LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.281	213	220	233	rVB	138862	203996	0.70%	0.109%
2	6.140	529	536	546	rBV	135764	210250	0.73%	0.112%
3	6.299	557	563	574	rVB	900949	1382984	4.77%	0.739%
4	6.605	610	615	619	rVB	75579	111258	0.38%	0.059%
5	6.752	635	640	643	rBV	82829	114296	0.39%	0.061%
6	6.799	643	648	662	rVB	759949	1242107	4.29%	0.664%
7	6.916	662	668	671	rBV2	167371	279916	0.97%	0.150%
8	6.952	671	674	685	rVV	626906	996097	3.44%	0.532%
9	7.046	685	690	694	rVV	414374	653072	2.25%	0.349%
10	7.081	694	696	701	rVB	98424	118255	0.41%	0.063%
11	7.152	701	708	718	rBV	776850	1247813	4.31%	0.667%
12	7.616	780	787	795	rBV	832318	1358404	4.69%	0.726%
13	7.746	804	809	815	rVV	96311	145507	0.50%	0.078%
14	7.822	815	822	827	rVV3	65391	124850	0.43%	0.067%
15	7.910	827	837	844	rVB2	270852	560548	1.93%	0.299%
16	8.275	890	899	903	rBV	189535	275968	0.95%	0.147%
17	8.328	903	908	923	rVV	820468	1380809	4.76%	0.738%
18	8.769	977	983	997	rVB	754012	1306209	4.51%	0.698%
19	9.181	1046	1053	1058	rBV	74416	114680	0.40%	0.061%
20	9.493	1098	1106	1119	rBV	650549	1145726	3.95%	0.612%
21	9.704	1131	1142	1155	rBV5	67357	186189	0.64%	0.099%
22	10.028	1190	1197	1215	rBV	973329	1771472	6.11%	0.946%
23	10.398	1251	1260	1267	rVV	1292413	2185922	7.54%	1.168%
24	10.546	1279	1285	1303	rVV	357461	777262	2.68%	0.415%
25	11.863	1497	1509	1515	rBV	115690	194197	0.67%	0.104%
26	13.140	1720	1726	1733	rBV3	113529	182241	0.63%	0.097%
27	13.587	1797	1802	1812	rVB	268043	385005	1.33%	0.206%
28	13.687	1812	1819	1823	rBV	1950352	2681135	9.25%	1.432%
29	13.734	1823	1827	1833	rVV	438073	605389	2.09%	0.323%
30	13.963	1854	1866	1873	rBV	2275855	3292755	11.36%	1.759%
31	14.228	1905	1911	1914	rBV	836007	1079264	3.72%	0.577%
32	14.275	1914	1919	1926	rVV2	1973029	2984136	10.30%	1.594%
33	14.339	1926	1930	1933	rVV2	91784	147960	0.51%	0.079%
34	14.375	1933	1936	1942	rVB2	120061	176625	0.61%	0.094%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Title : SVOA CALIBRATION

35	14.516	1953	1960	1972	rBV3	600837	1474541	5.09%	0.788%
36	15.163	2065	2070	2080	rVB	597073	877211	3.03%	0.469%
37	15.269	2082	2088	2095	rBV	2715911	3995081	13.78%	2.134%
38	15.422	2108	2114	2123	rBV	634791	983249	3.39%	0.525%
39	15.851	2181	2187	2192	rBV3	122439	193777	0.67%	0.104%
40	16.128	2225	2234	2238	rBV4	55095	113653	0.39%	0.061%
41	16.533	2296	2303	2308	rVV2	163280	227706	0.79%	0.122%
42	16.851	2352	2357	2362	rVB2	59762	99880	0.34%	0.053%
43	17.028	2378	2387	2391	rBV2	2557142	3601073	12.42%	1.924%
44	17.069	2391	2394	2399	rVV	739121	1000801	3.45%	0.535%
45	17.128	2399	2404	2411	rVV2	2918973	4202104	14.50%	2.245%
46	17.192	2411	2415	2426	rVB	448374	777789	2.68%	0.416%
47	17.439	2447	2457	2465	rBV2	73086	147151	0.51%	0.079%
48	17.745	2505	2509	2515	rBV	123110	165832	0.57%	0.089%
49	17.810	2515	2520	2527	rBV5	53623	121678	0.42%	0.065%
50	17.875	2527	2531	2534	rBV	135471	201093	0.69%	0.107%
51	17.933	2537	2541	2550	rVV2	1322622	1957994	6.76%	1.046%
52	18.104	2565	2570	2574	rBV2	103160	155128	0.54%	0.083%
53	18.198	2581	2586	2592	rBV	298325	430563	1.49%	0.230%
54	18.416	2619	2623	2627	rVV2	86434	111313	0.38%	0.059%
55	18.463	2627	2631	2637	rVB	157931	215086	0.74%	0.115%
56	18.551	2639	2646	2650	rBV4	276072	393824	1.36%	0.210%
57	18.610	2654	2656	2660	rVV4	70441	96506	0.33%	0.052%
58	18.657	2661	2664	2668	rVB3	70113	100638	0.35%	0.054%
59	18.875	2696	2701	2709	rVB5	82016	212796	0.73%	0.114%
60	18.980	2713	2719	2727	rVB4	72748	177899	0.61%	0.095%
61	19.098	2731	2739	2752	rBV	1778276	3120891	10.77%	1.667%
62	19.227	2757	2761	2771	rBV2	606975	1072229	3.70%	0.573%
63	19.439	2791	2797	2800	rBV2	3766165	5408723	18.66%	2.890%
64	19.469	2800	2802	2810	rVB	1423907	1627527	5.62%	0.869%
65	19.674	2830	2837	2842	rBV2	223815	401510	1.39%	0.215%
66	19.810	2853	2860	2864	rBV3	91457	240279	0.83%	0.128%
67	19.922	2875	2879	2884	rBV	1161049	1700306	5.87%	0.908%
68	19.969	2884	2887	2895	rVB3	309970	669812	2.31%	0.358%
69	20.127	2909	2914	2918	rBV3	959489	1207328	4.17%	0.645%
70	20.480	2961	2974	2991	rBV	11910568	28983480	100.00%	15.484%
71	20.821	3028	3032	3040	rBV	987841	1419220	4.90%	0.758%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Title : SVOA CALIBRATION

72	20.939	3048	3052	3053	rBV2	742812	850084	2.93%	0.454%
73	20.957	3053	3055	3064	rVB3	1318728	1747150	6.03%	0.933%
74	21.027	3065	3067	3078	rVB	248274	408638	1.41%	0.218%
75	21.116	3078	3082	3087	rBV	372738	549649	1.90%	0.294%
76	21.157	3087	3089	3094	rVB	173154	175229	0.60%	0.094%
77	21.251	3098	3105	3108	rVV2	3168548	5100641	17.60%	2.725%
78	21.286	3108	3111	3117	rVB	903958	1169058	4.03%	0.625%
79	21.398	3127	3130	3134	rBV2	275393	292328	1.01%	0.156%
80	21.827	3200	3203	3205	rBV	662243	681336	2.35%	0.364%
81	21.851	3205	3207	3216	rVB2	445278	702476	2.42%	0.375%
82	22.027	3234	3237	3242	rVB3	278675	339692	1.17%	0.181%
83	22.286	3277	3281	3285	rVB	602388	749353	2.59%	0.400%
84	22.515	3314	3320	3326	rBV	5488933	7374151	25.44%	3.940%
85	22.792	3361	3367	3370	rBV	2047888	3603569	12.43%	1.925%
86	22.839	3370	3375	3386	rVB	9569333	17242122	59.49%	9.211%
87	23.286	3446	3451	3454	rBV	321550	560301	1.93%	0.299%
88	23.339	3454	3460	3464	rBV2	2578870	4436342	15.31%	2.370%
89	23.474	3477	3483	3489	rBV2	1764632	3255039	11.23%	1.739%
90	23.651	3507	3513	3521	rVB	1520555	2584754	8.92%	1.381%
91	23.927	3557	3560	3562	rBV2	139524	197840	0.68%	0.106%
92	23.980	3562	3569	3576	rVB	2855345	5285410	18.24%	2.824%
93	24.062	3576	3583	3598	rBV	8667616	19093810	65.88%	10.201%
94	24.704	3687	3692	3706	rVB	489744	1241062	4.28%	0.663%
95	25.145	3760	3767	3777	rVB	1125152	2378930	8.21%	1.271%
96	25.557	3829	3837	3845	rBV2	965306	2489145	8.59%	1.330%
97	26.462	3984	3991	4000	rVB3	556440	1542609	5.32%	0.824%
98	27.192	4109	4115	4127	rVB3	390291	1228500	4.24%	0.656%
99	27.327	4130	4138	4161	rVB2	805924	2854685	9.85%	1.525%
100	27.992	4244	4251	4269	rVB3	431562	1541760	5.32%	0.824%

Sum of corrected areas: 187183631

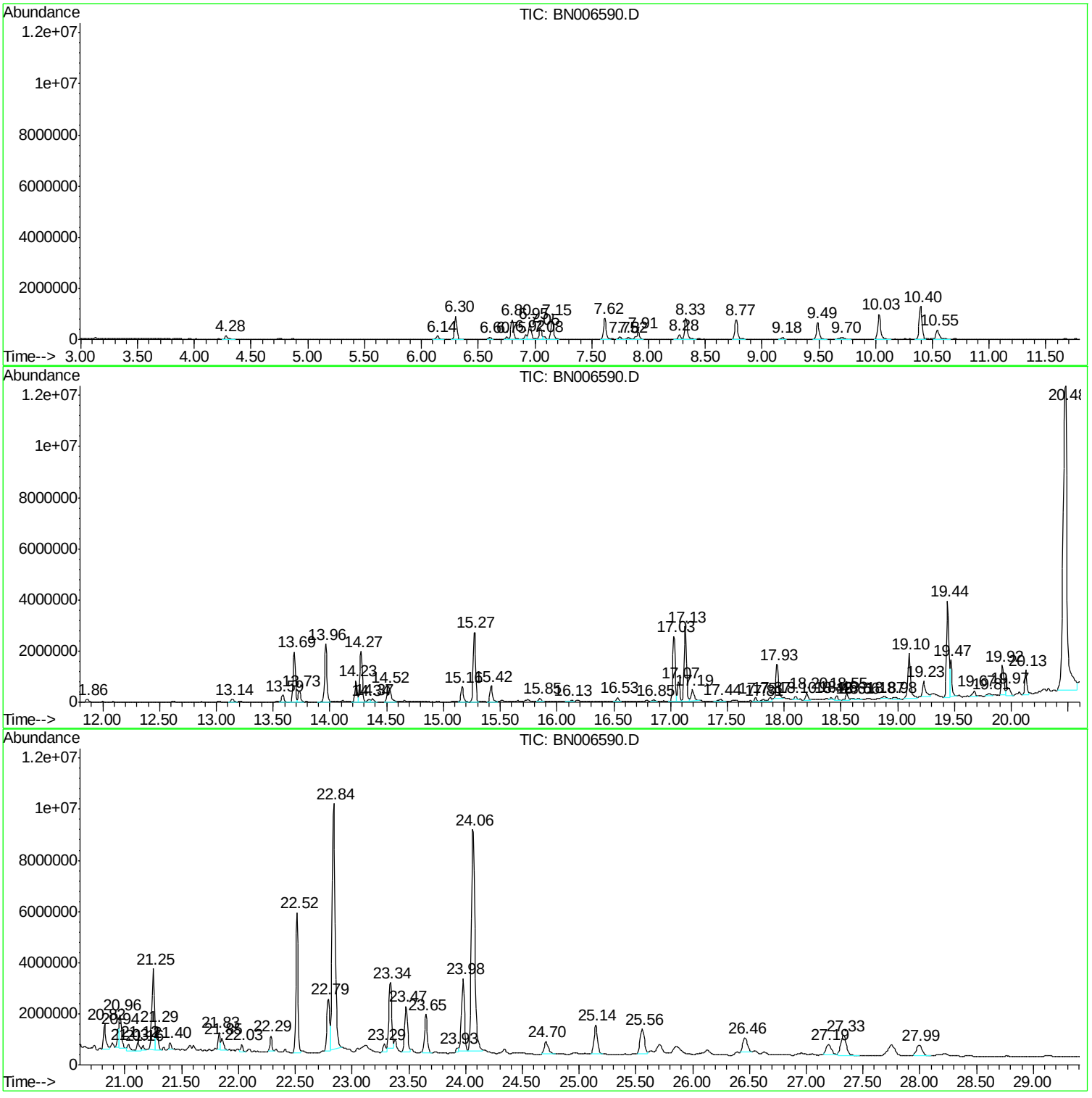
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

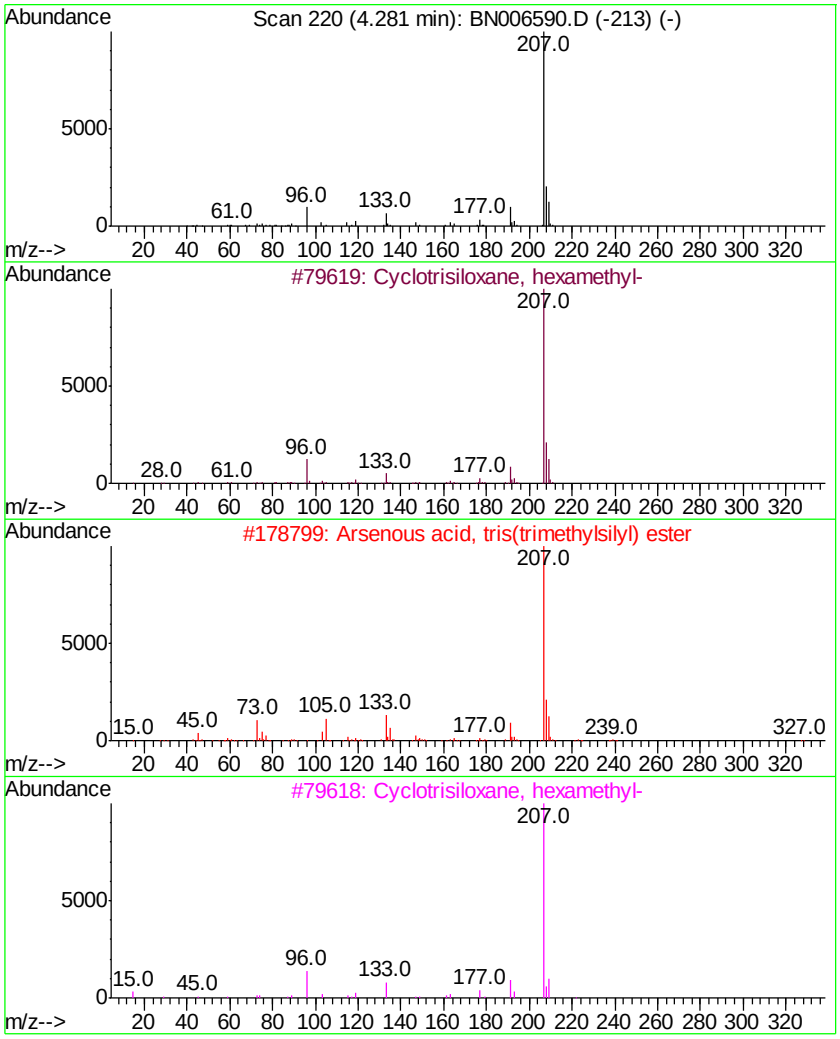
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

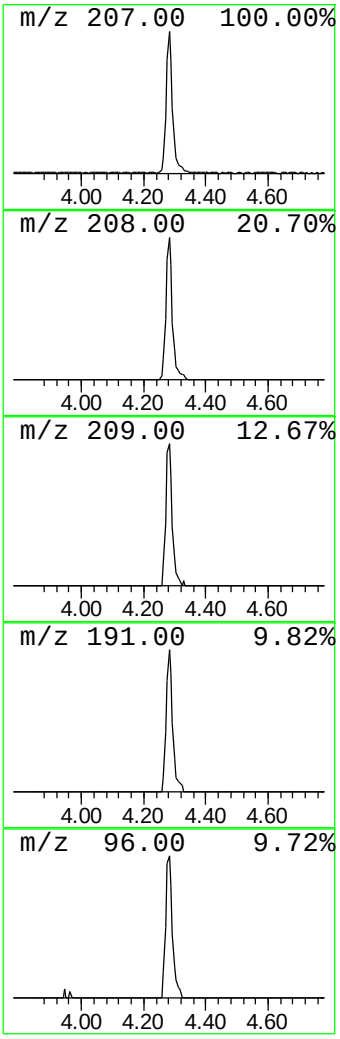
****

Peak Number 1 Cyclotrisiloxane, hexamethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.28	3.00 ng/ul	203996	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	91
2	Arsenous acid, tris(trimethylsil...	342	C9H27AsO3Si3	055429-29-3	78
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	72
4	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	49
5	4-Cyclohexene-1,2-dicarboximide,...	207	C12H17NO2	028916-00-9	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

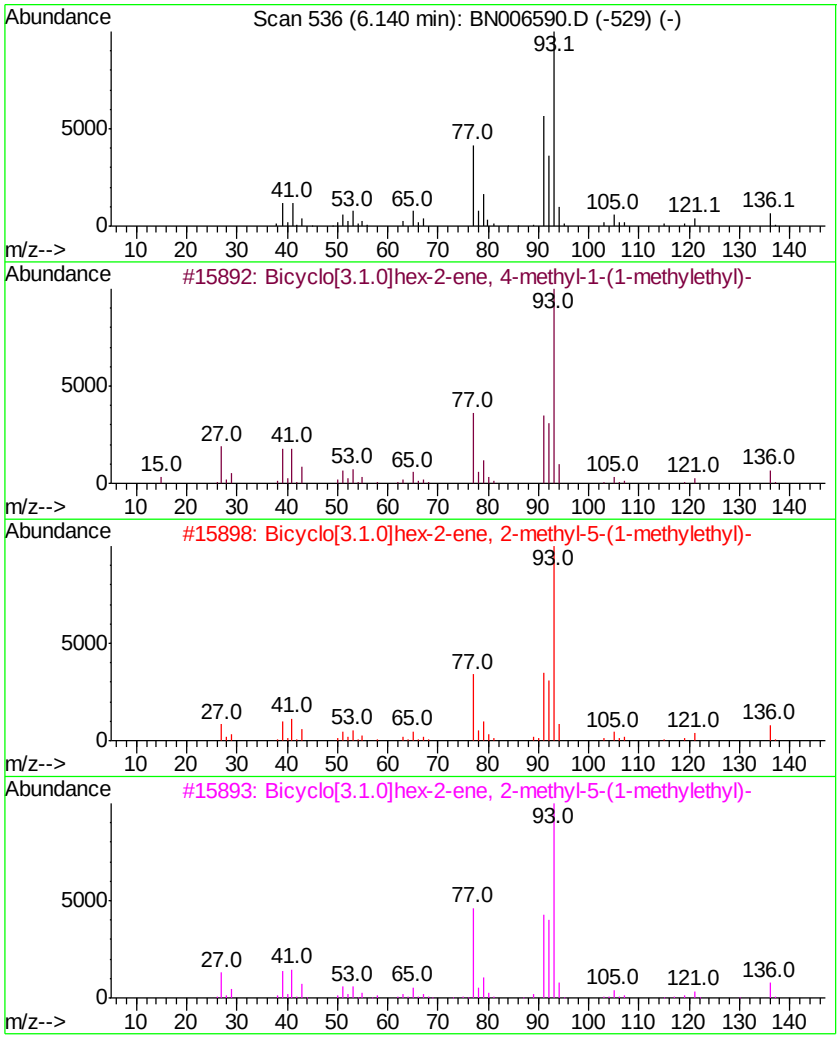
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

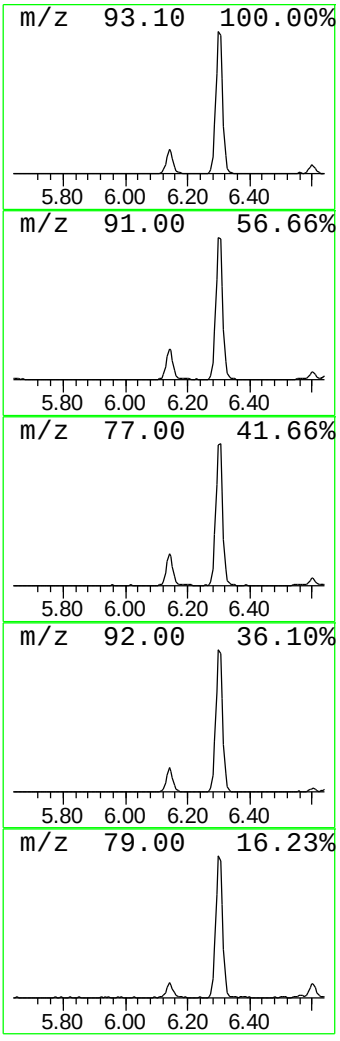
****

Peak Number 2 Bicyclo[3.1.0]hex-2-ene, 4-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.14	3.10 ng/ul	210250	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hex-2-ene, 4-methy...	136	C10H16	028634-89-1	94
2	Bicyclo[3.1.0]hex-2-ene, 2-methy...	136	C10H16	002867-05-2	91
3	Bicyclo[3.1.0]hex-2-ene, 2-methy...	136	C10H16	002867-05-2	91
4	.alpha.-Phellandrene	136	C10H16	000099-83-2	83
5	.alpha.-Phellandrene	136	C10H16	000099-83-2	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

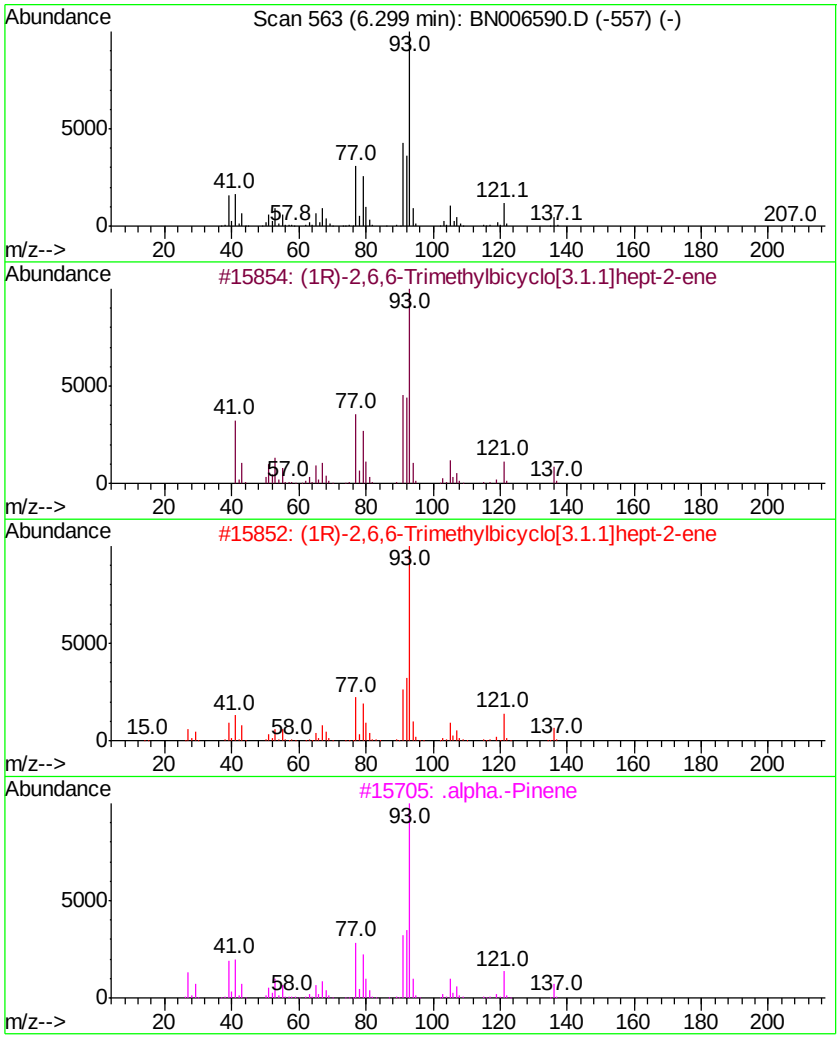
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

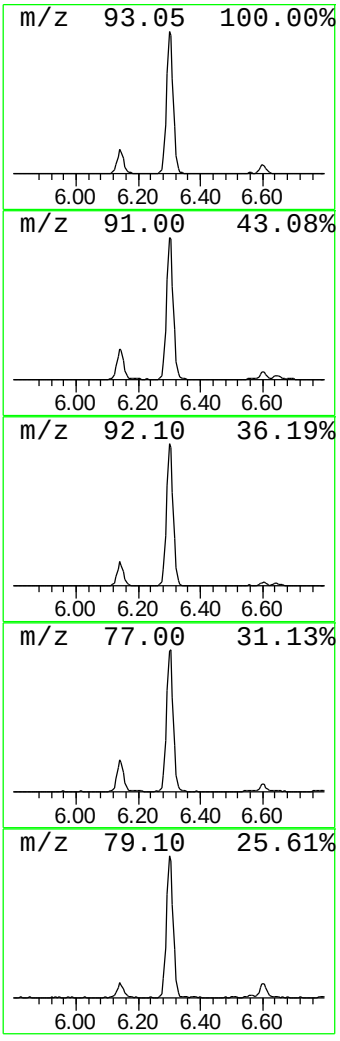
****

Peak Number 3 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	20.36 ng/ul	1382980	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
3	.alpha.-Pinene	136	C10H16	000080-56-8	94
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	94
5	.alpha.-Pinene	136	C10H16	000080-56-8	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

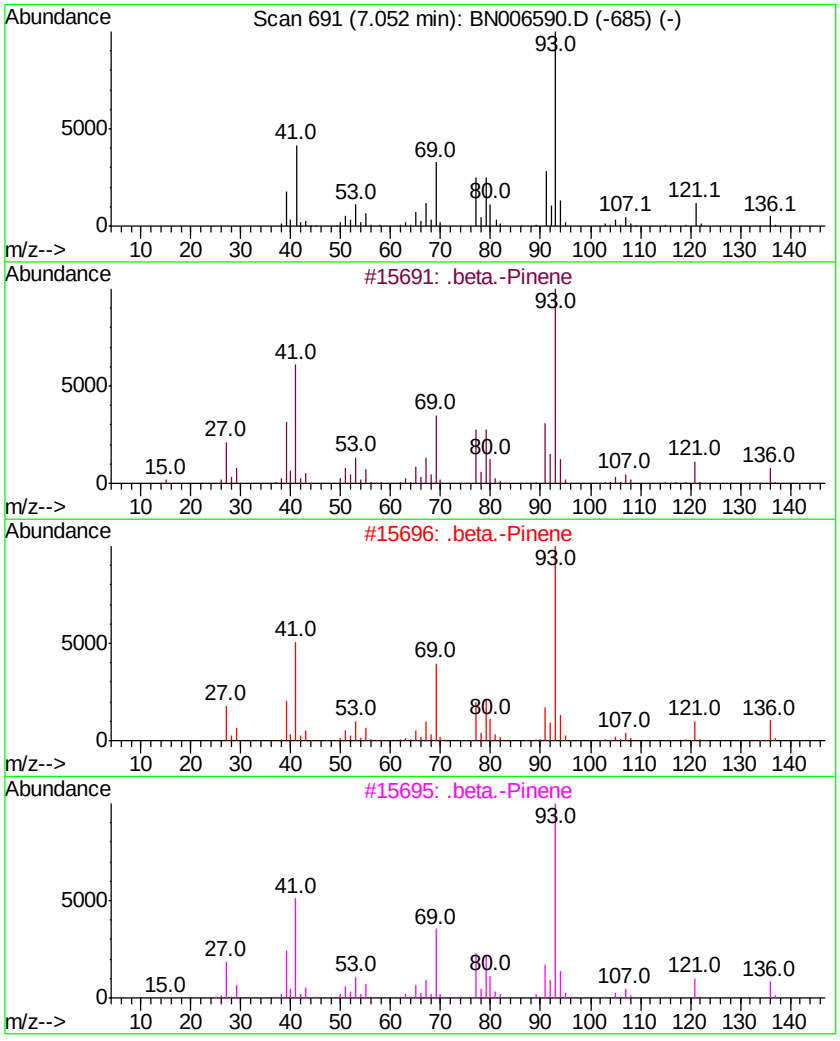
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

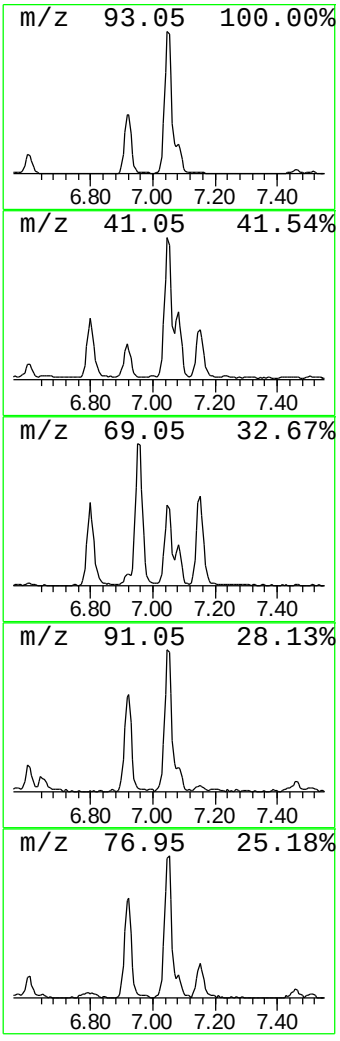
****

Peak Number 4 .beta.-Pinene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	9.62 ng/ul	653072	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	96
2	.beta.-Pinene	136	C10H16	000127-91-3	91
3	.beta.-Pinene	136	C10H16	000127-91-3	91
4	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
5	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

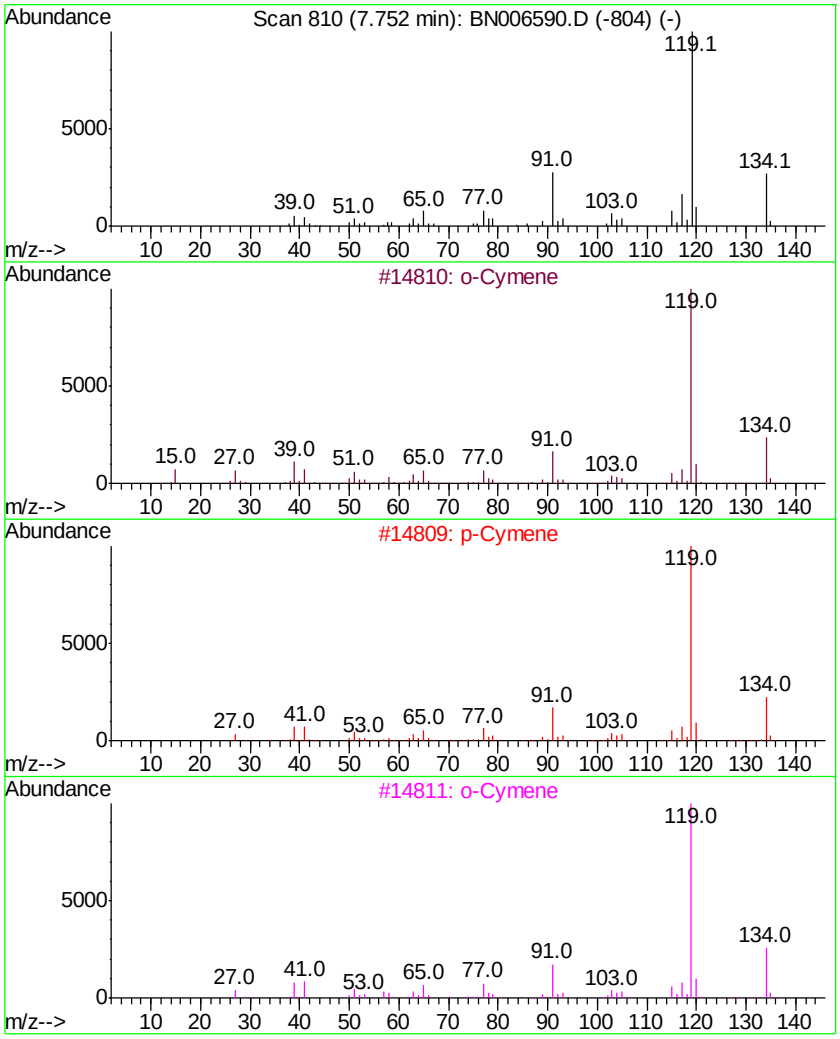
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

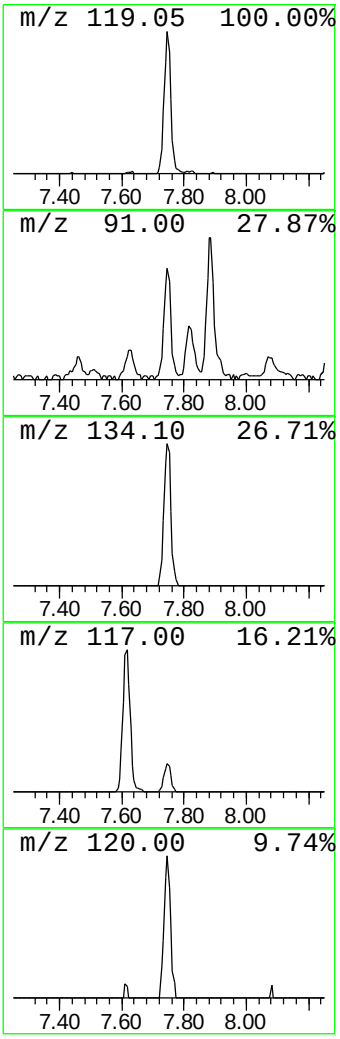
****

Peak Number 5 o-Cymene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	2.14 ng/ul	145507	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	p-Cymene	134	C10H14	000099-87-6	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

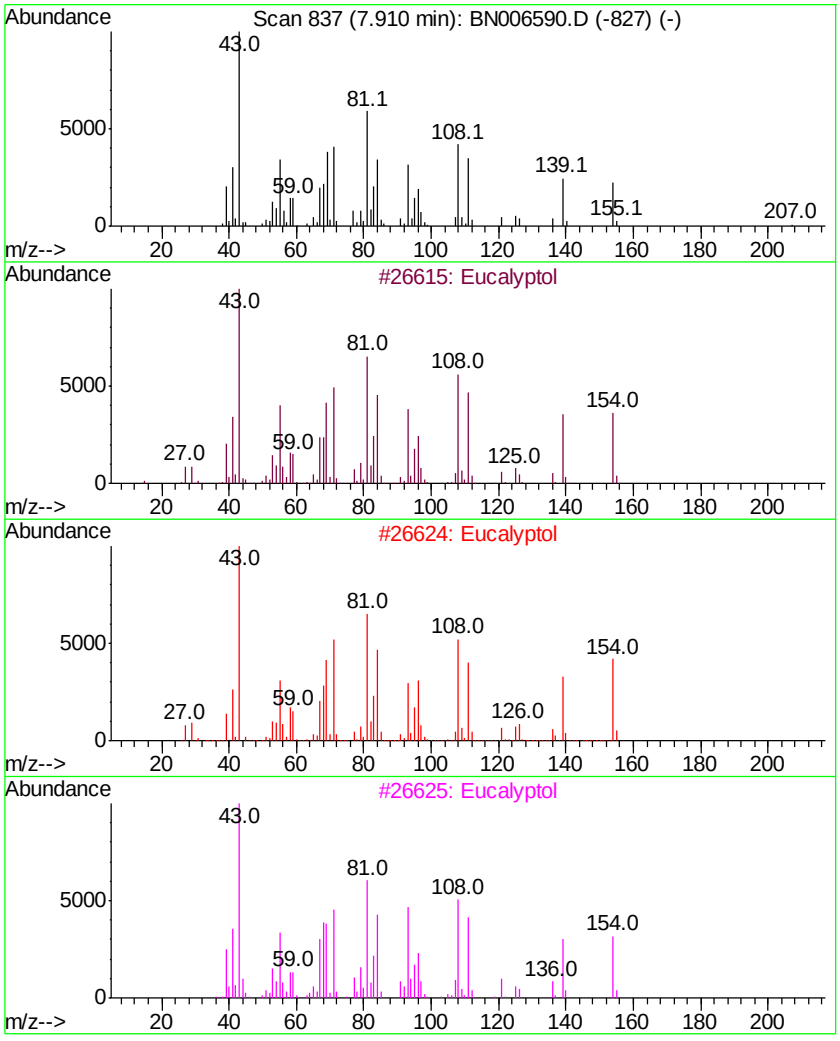
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

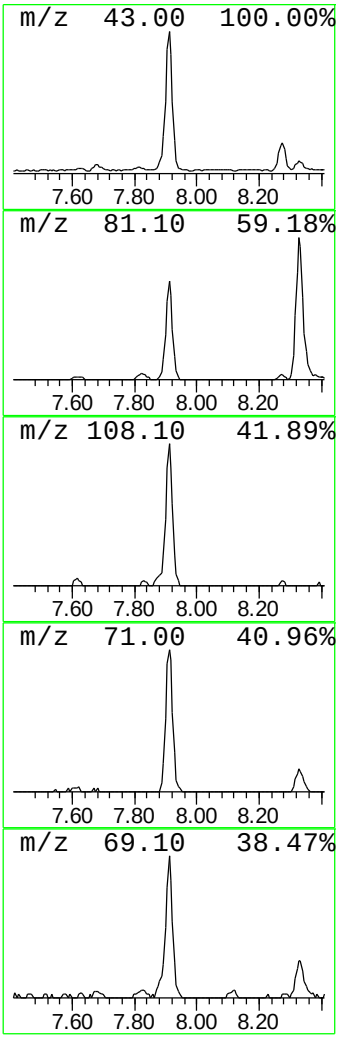
****

Peak Number 6 Eucalyptol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	8.25 ng/ul	560548	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	97
2	Eucalyptol	154	C10H18O	000470-82-6	96
3	Eucalyptol	154	C10H18O	000470-82-6	90
4	Eucalyptol	154	C10H18O	000470-82-6	81
5	Eucalyptol	154	C10H18O	000470-82-6	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

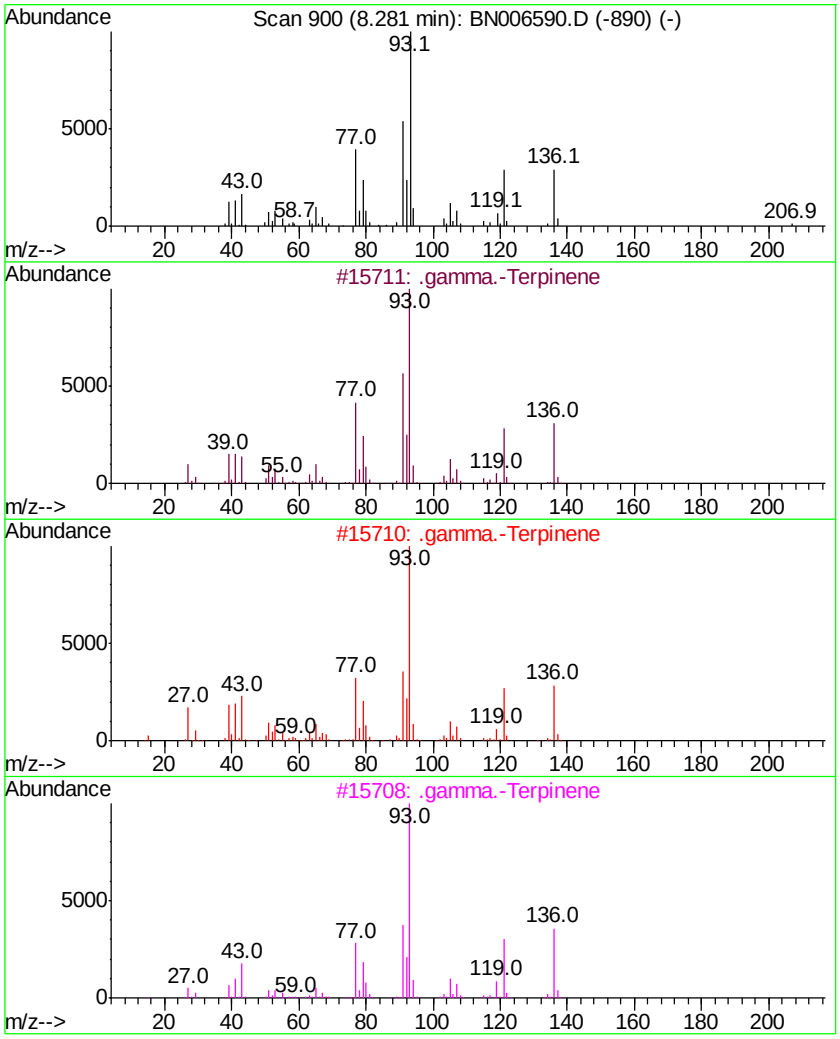
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

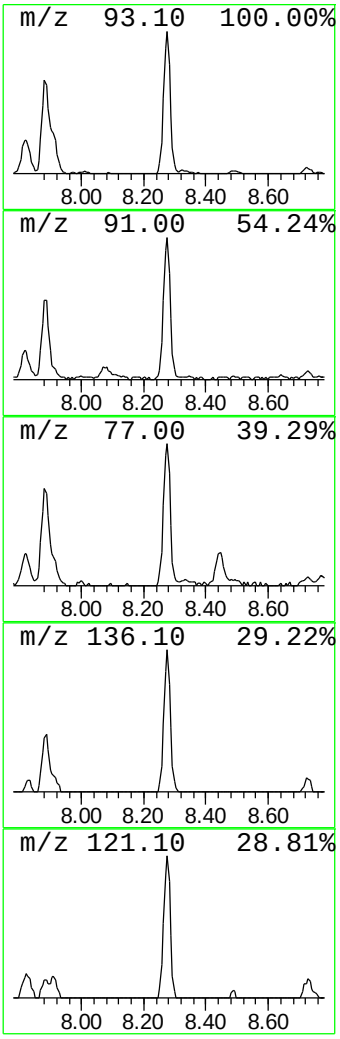
****

Peak Number 7 .gamma.-Terpinene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	4.06 ng/ul	275968	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Terpinene	136	C10H16	000099-85-4	97
2	.gamma.-Terpinene	136	C10H16	000099-85-4	96
3	.gamma.-Terpinene	136	C10H16	000099-85-4	95
4	.gamma.-Terpinene	136	C10H16	000099-85-4	94
5	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

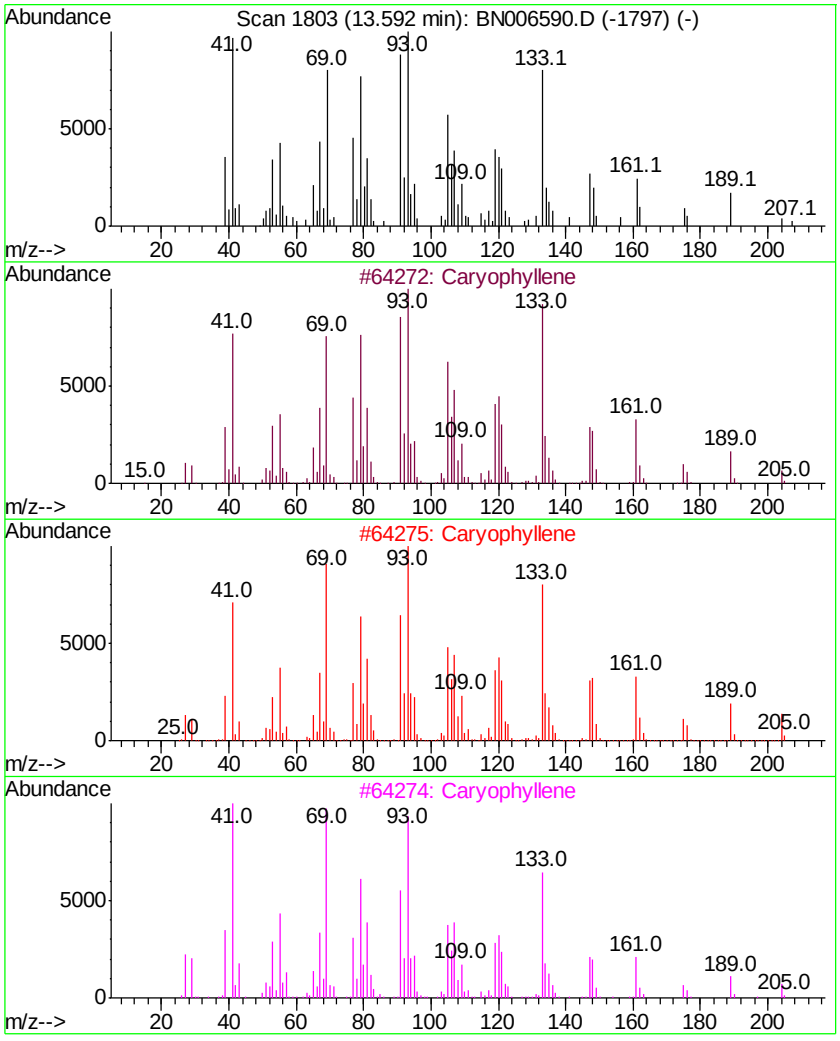
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

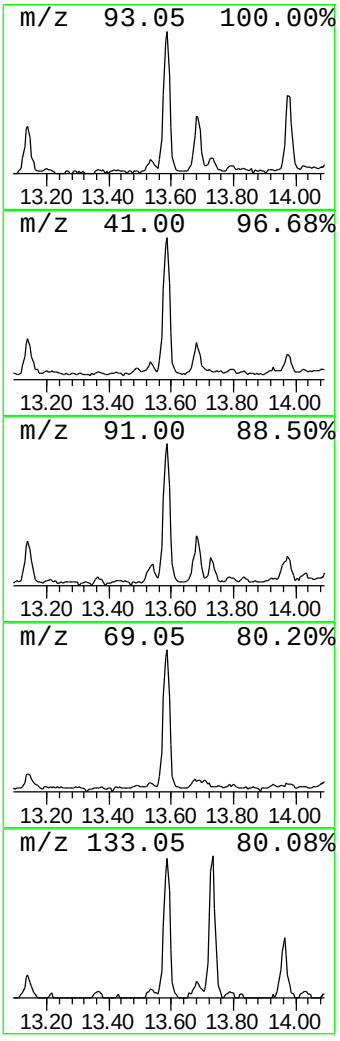
****

Peak Number 8 Caryophyllene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	2.58 ng/ul	385005	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Caryophyllene	204	C15H24	000087-44-5	99
2	Caryophyllene	204	C15H24	000087-44-5	99
3	Caryophyllene	204	C15H24	000087-44-5	91
4	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	91
5	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	013877-93-5	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

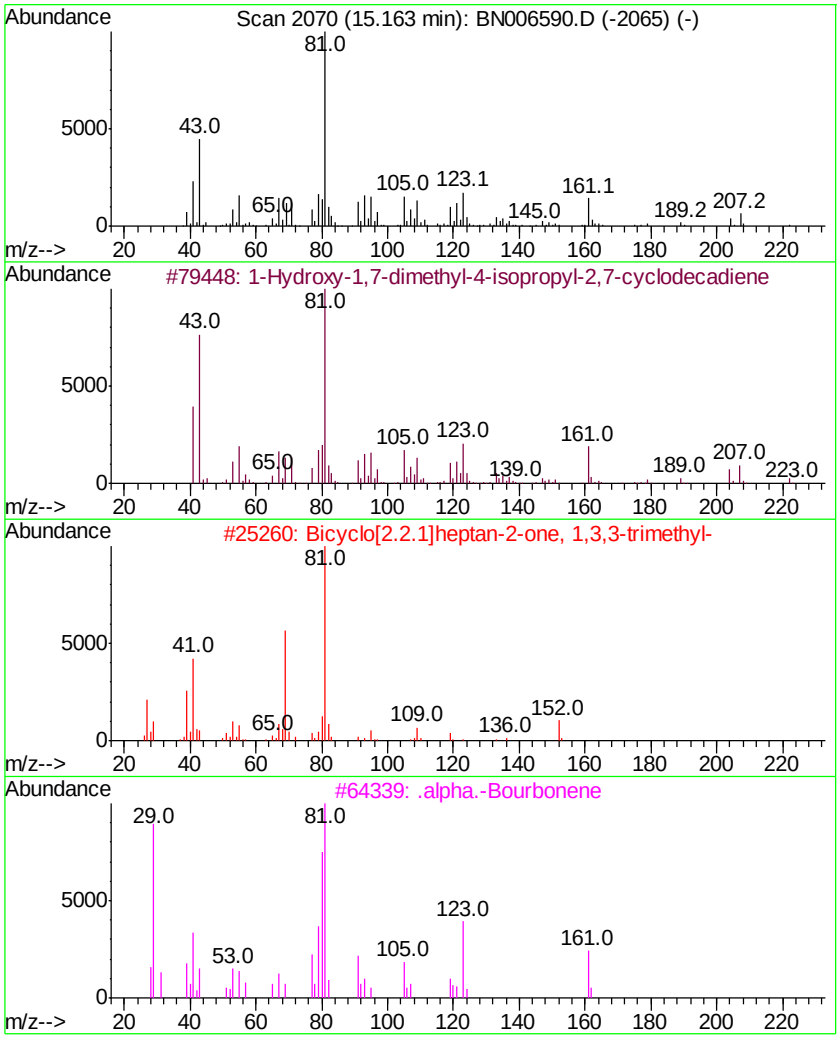
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

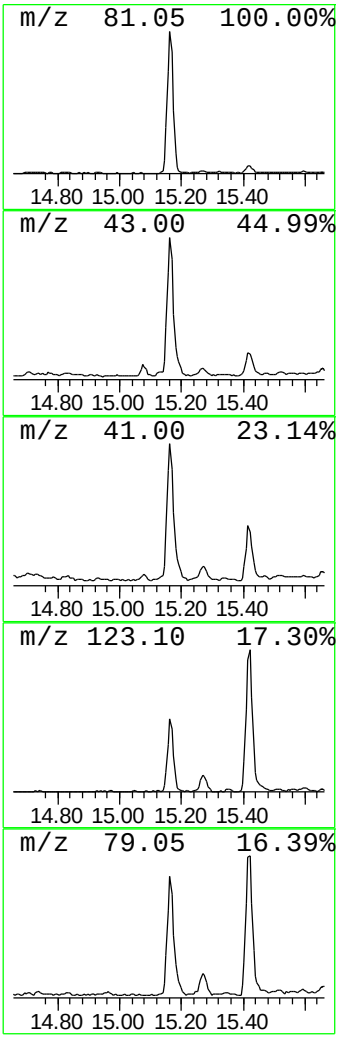
****

Peak Number 9 1-Hydroxy-1,7-dimethyl-4-is... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	5.88 ng/ul	877211	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hydroxy-1,7-dimethyl-4-isoprop...	222	C15H26O	072120-50-4	91
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	53
3	.alpha.-Bourbonene	204	C15H24	1000293-01-9	53
4	(-)-.beta.-Bourbonene	204	C15H24	005208-59-3	52
5	1-Propanone, 1-(3-cyclohexen-1-y...	166	C11H18O	016076-65-6	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

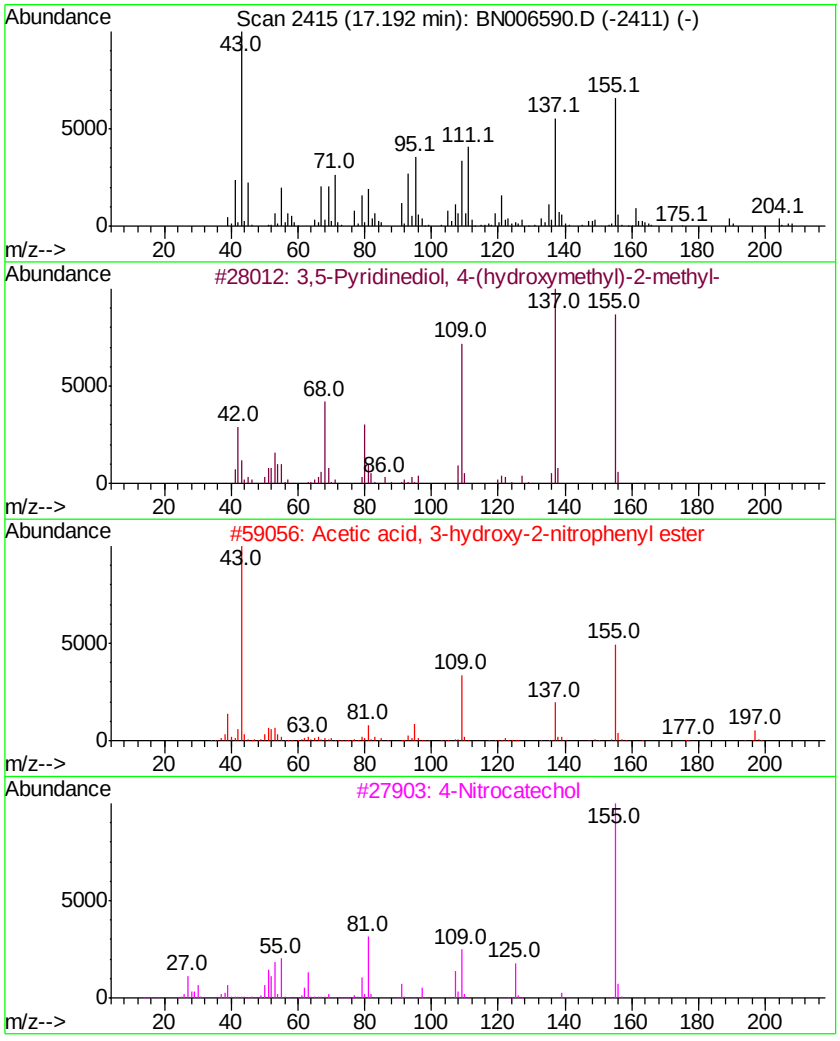
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

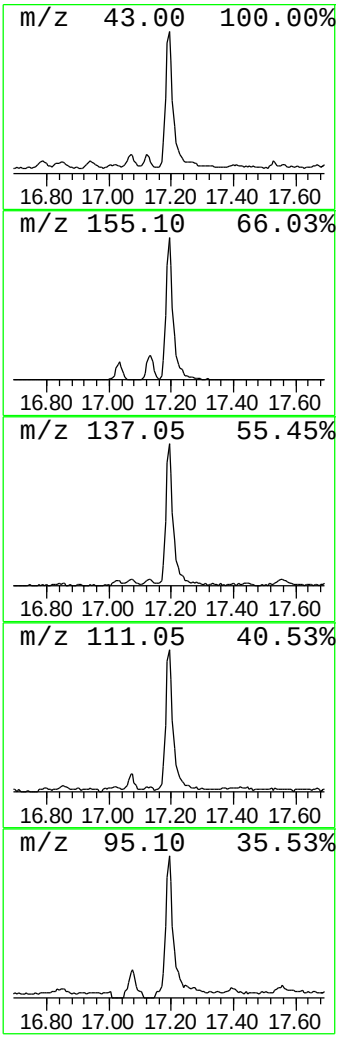
****

Peak Number 10 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	4.32 ng/ul	777789	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Pyridinediol, 4-(hydroxymeth...	155	C7H9NO3	002029-60-9	38
2	Acetic acid, 3-hydroxy-2-nitroph...	197	C8H7NO5	1000269-41-1	27
3	4-Nitrocatechol	155	C6H5NO4	003316-09-4	22
4	Trans, trans-2-ethylbicyclo[4.4....	166	C12H22	066660-37-5	14
5	4-Fluorophenyl isocyanate	137	C7H4FNO	001195-45-5	14





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

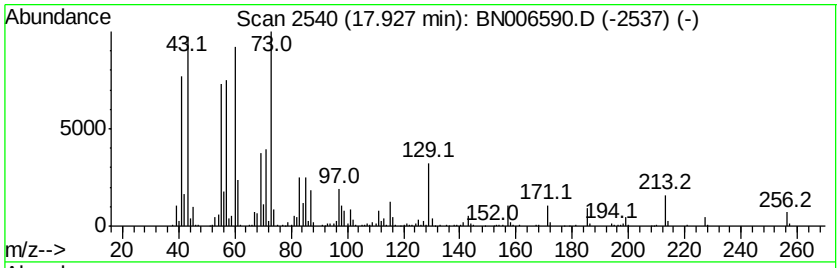
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

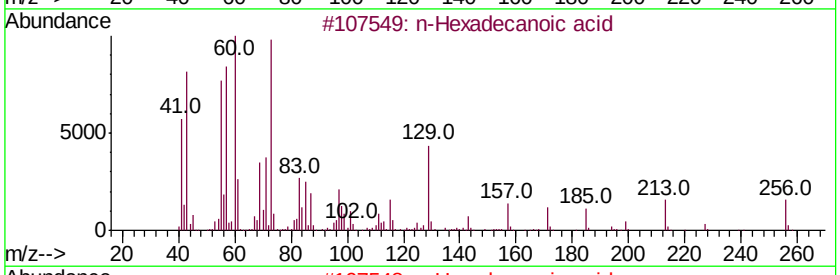
****

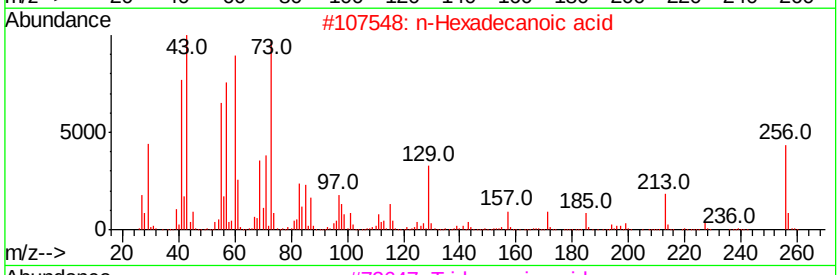
Peak Number 11 n-Hexadecanoic acid Concentration Rank 10

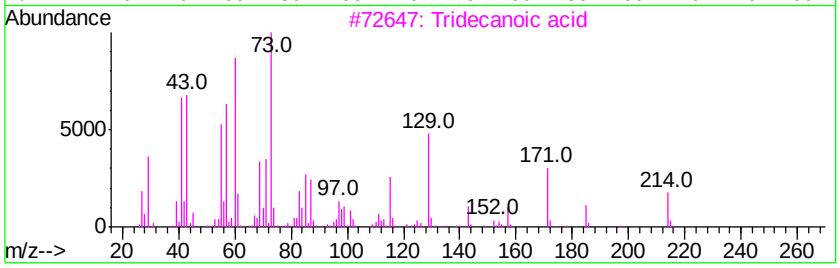
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	10.87 ng/ul	1957990	Phenanthrene-d10	17.03

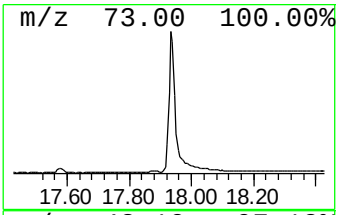
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	Tridecanoic acid	214	C13H26O2	000638-53-9	95
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
5	Tridecanoic acid	214	C13H26O2	000638-53-9	87

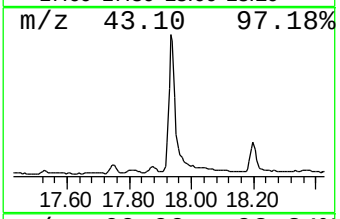


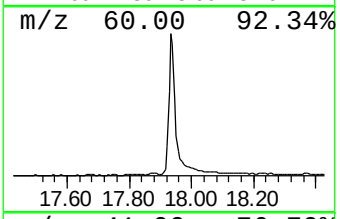


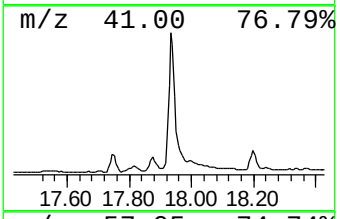


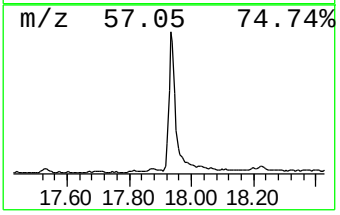












Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

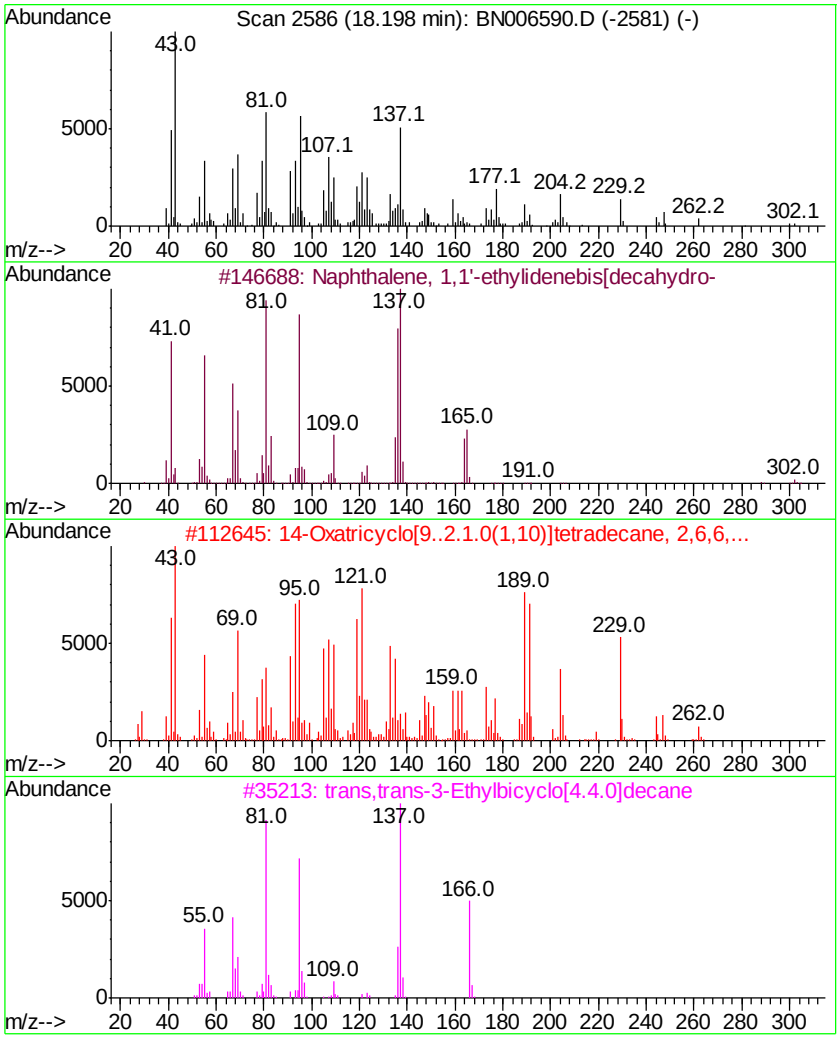
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

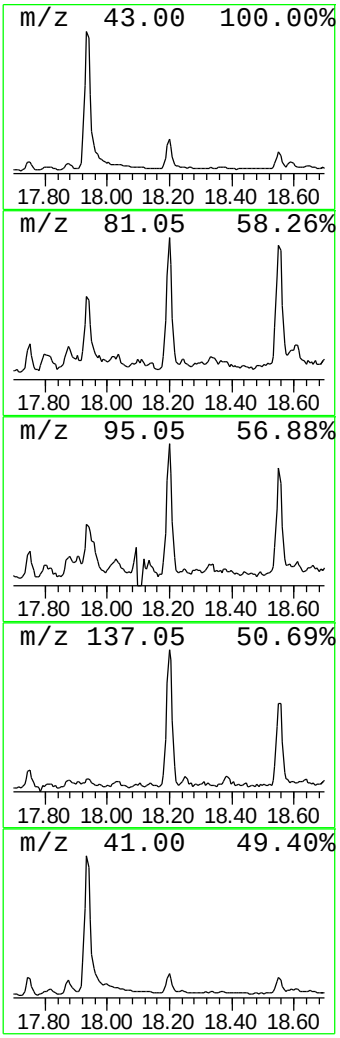
****

Peak Number 12 unknown-02 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	2.39 ng/ul	430563	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,1'-ethylidenebis[...	302	C22H38	054934-70-2	43
2	14-Oxatricyclo[9..2.1.0(1,10)]te...	262	C18H30O	1000193-06-8	38
3	trans,trans-3-Ethylbicyclo[4.4.0...	166	C12H22	058462-32-1	38
4	3-Iodomethyl-3,6,6-trimethyl-cyc...	264	C10H17I	1000193-08-2	35
5	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

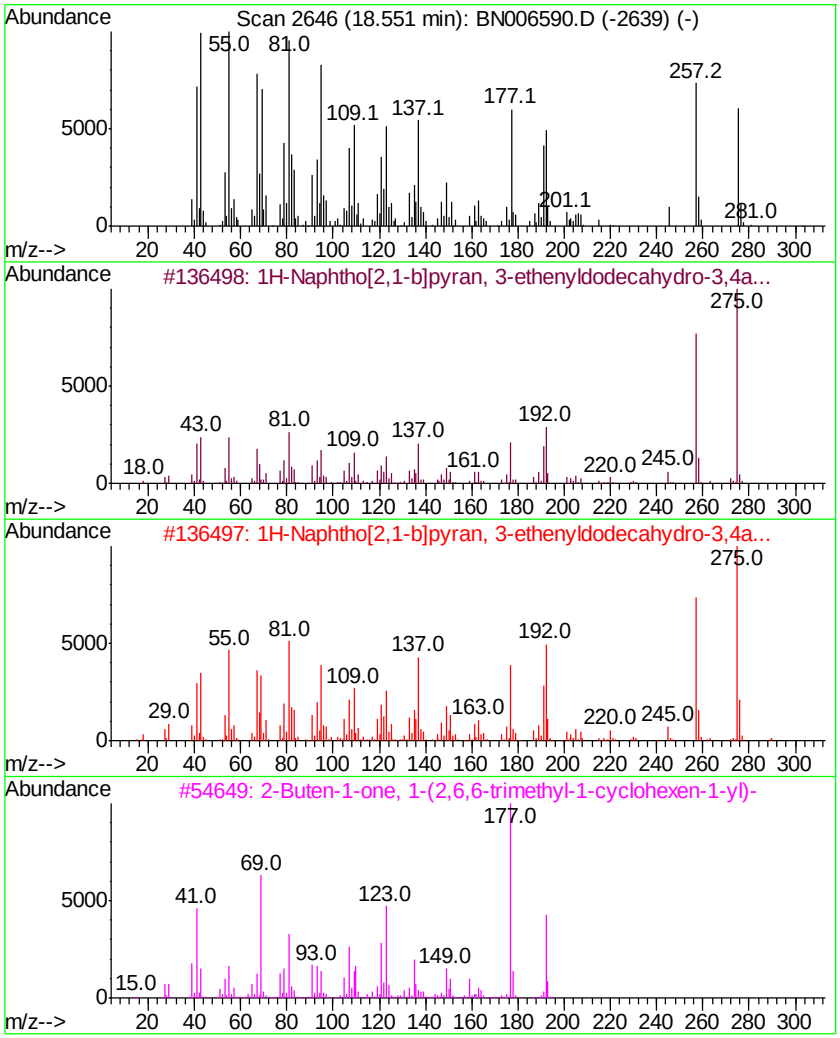
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

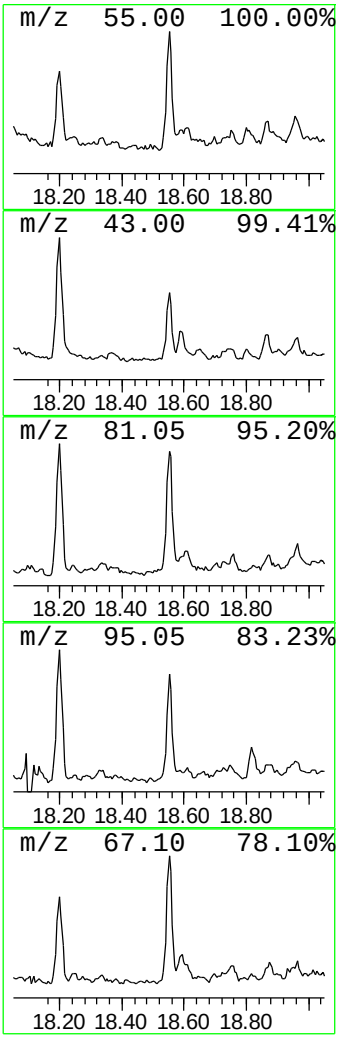
****

Peak Number 13 1H-Naphtho[2,1-b]pyran, 3-e... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	2.19 ng/ul	393824	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Naphtho[2,1-b]pyran, 3-ethenyl...	290	C20H34O	001227-93-6	91
2	1H-Naphtho[2,1-b]pyran, 3-ethenyl...	290	C20H34O	000596-84-9	49
3	2-Buten-1-one, 1-(2,6,6-trimethyl...	192	C13H20O	035044-68-9	35
4	N-Acrylonitryl-2,2,5,5-tetrameth...	192	C11H16N2O	077376-89-7	25
5	Tricyclo[4.3.0.0(7,9)]nonane, 2,...	206	C15H26	054832-82-5	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

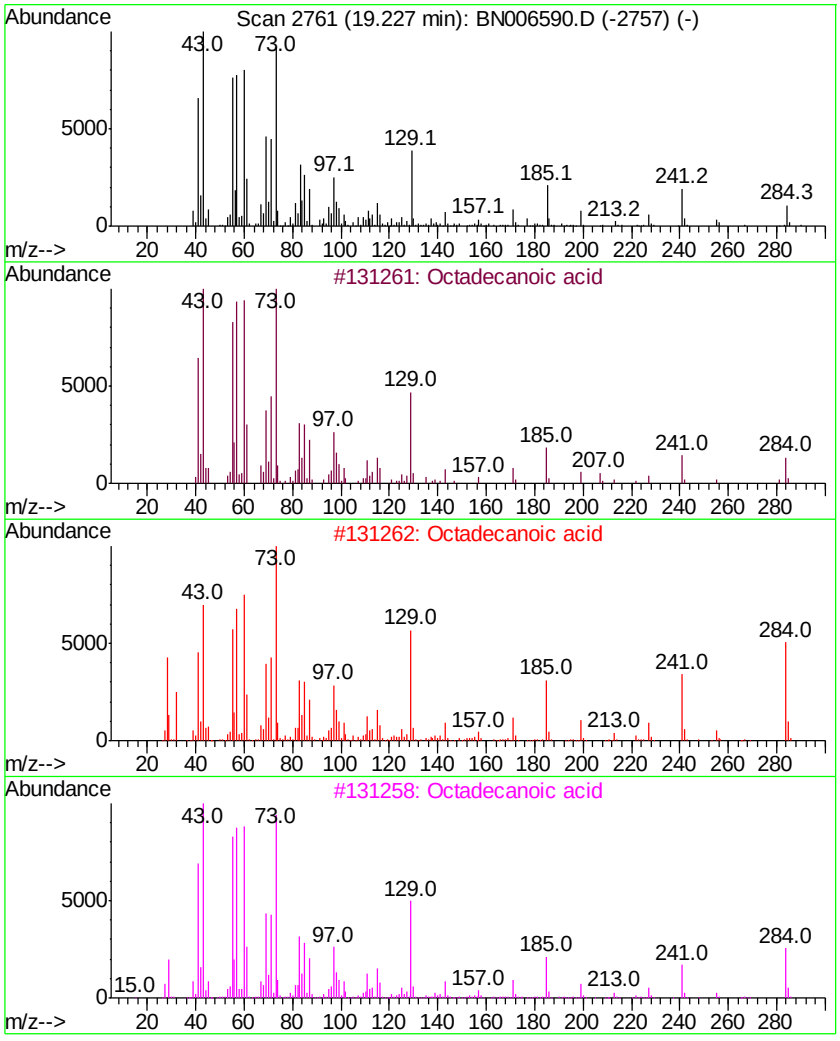
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

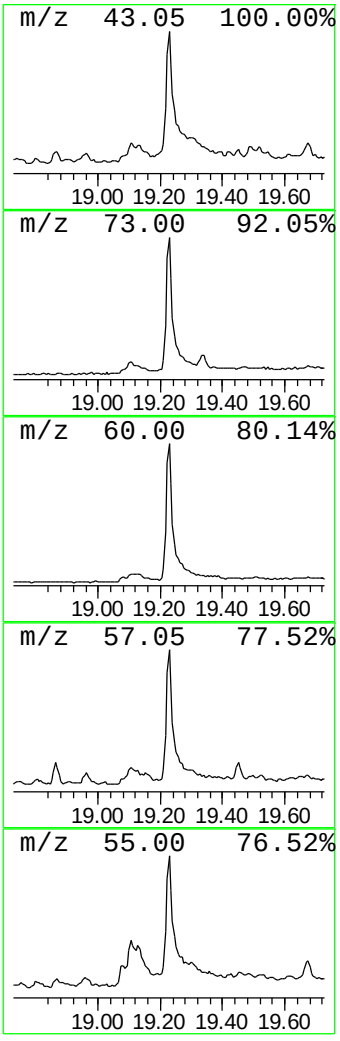
****

Peak Number 14 Octadecanoic acid Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	4.20 ng/ul	1072230	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	99
4	Octadecanoic acid	284	C18H36O2	000057-11-4	98
5	Octadecanoic acid	284	C18H36O2	000057-11-4	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

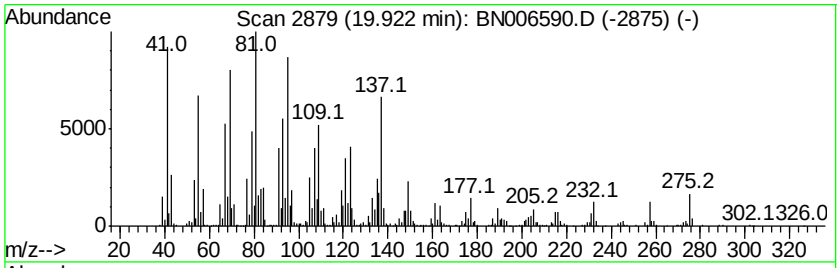
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

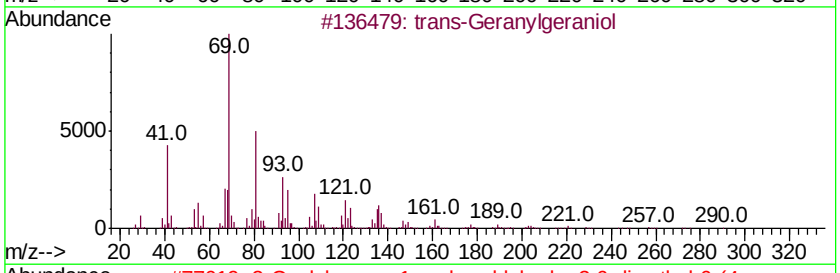
****

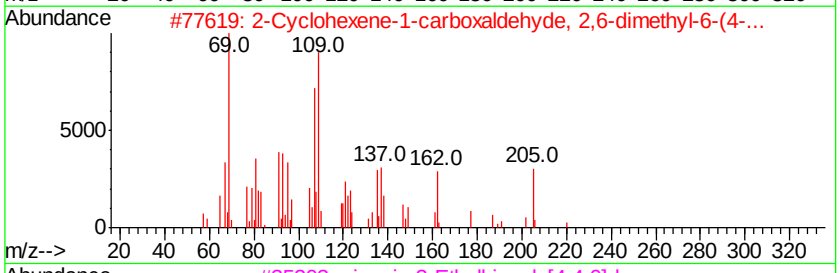
Peak Number 15 unknown-03 Concentration Rank 18

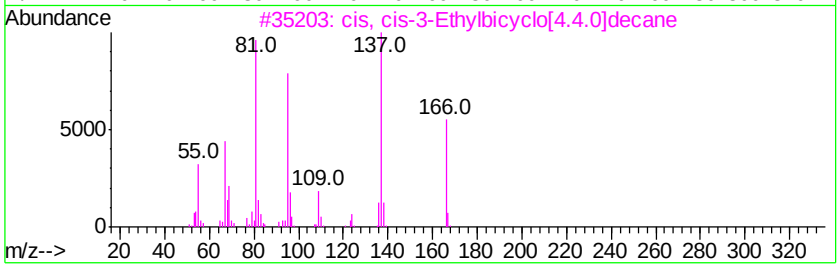
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	6.67 ng/ul	1700310	Chrysene-d12	21.25

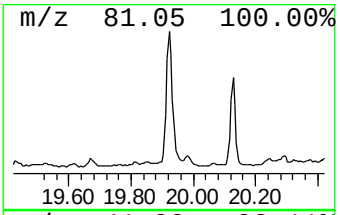
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Geranylgeraniol	290	C20H34O	024034-73-9	47
2	2-Cyclohexene-1-carboxaldehyde, ...	220	C15H24O	056772-07-7	46
3	cis, cis-3-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-42-2	46
4	3-Iodomethyl-3,6,6-trimethyl-cyc...	264	C10H17I	1000193-08-2	38
5	2-(Fench-2-yl)fenchane	274	C20H34	1000105-83-1	38

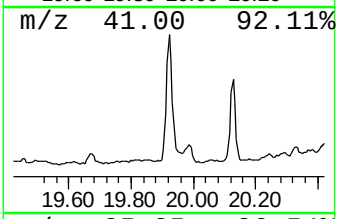


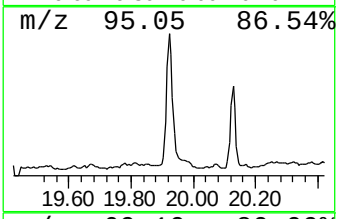


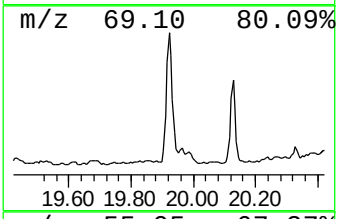


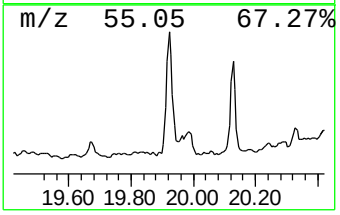












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

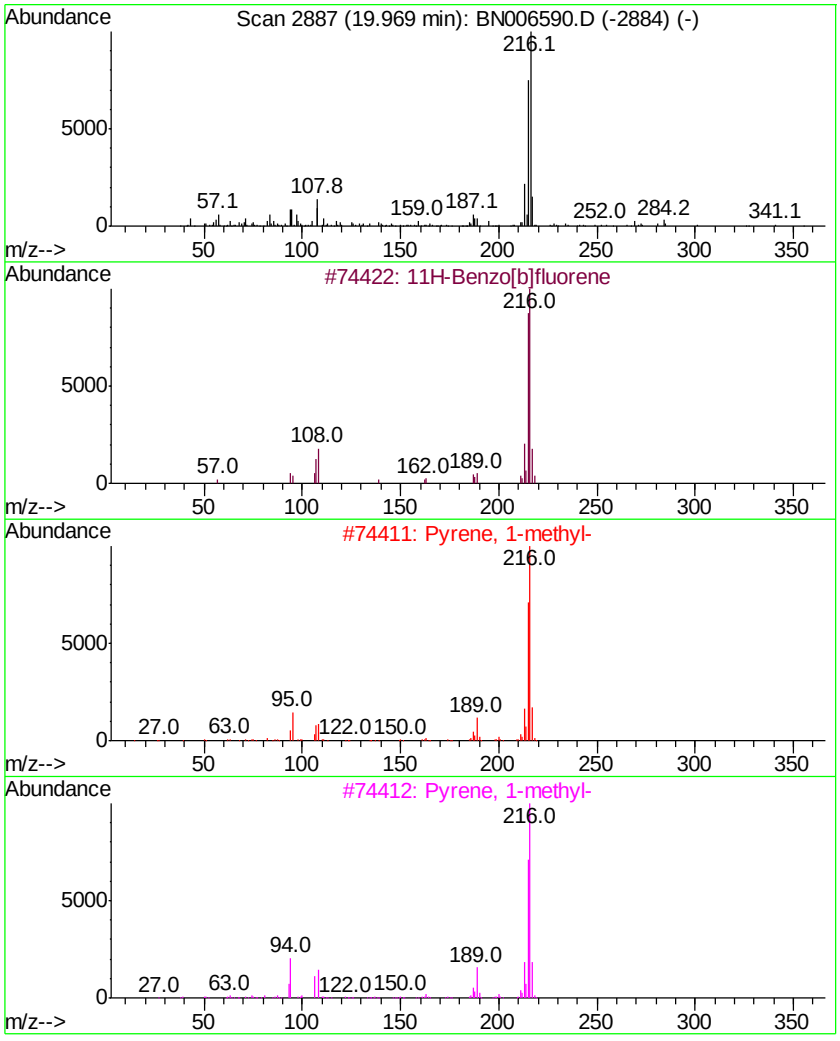
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

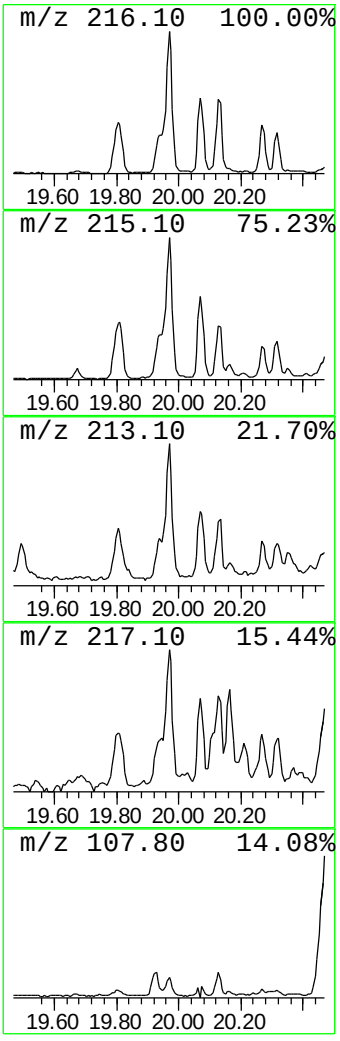
****

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.63 ng/ul	669812	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

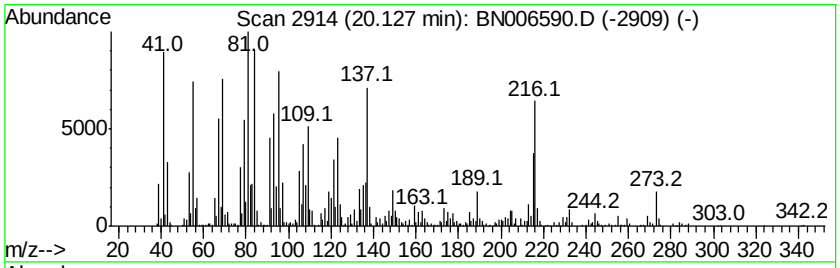
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

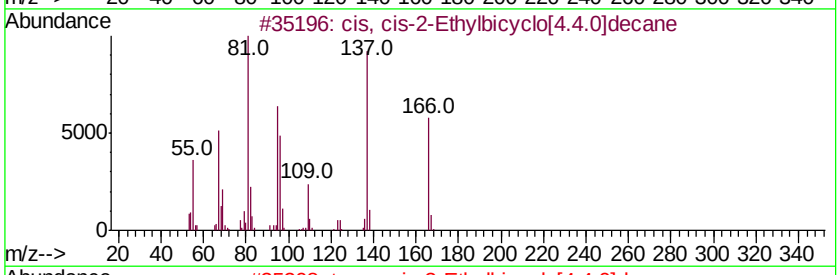
****

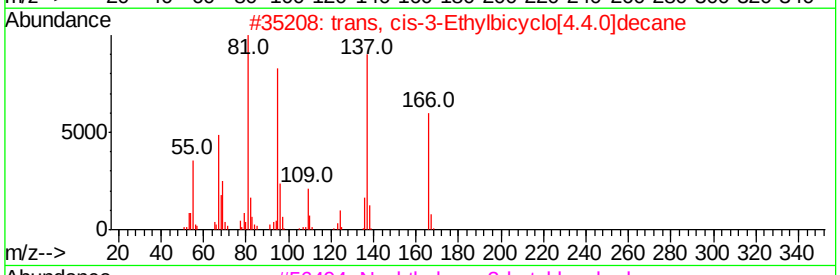
Peak Number 17 unknown-04 Concentration Rank 21

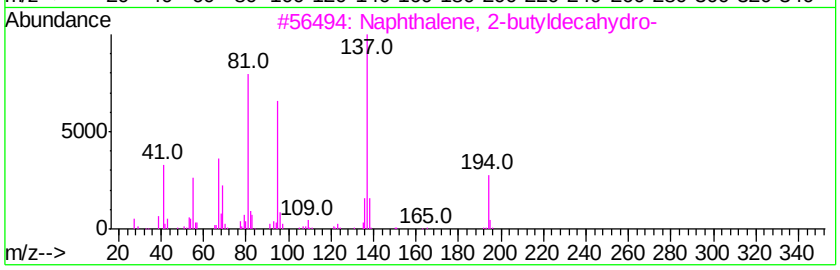
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	4.73 ng/ul	1207330	Chrysene-d12	21.25

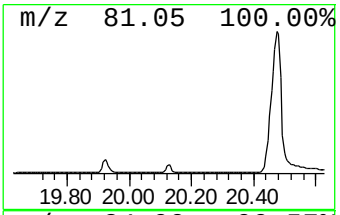
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	27
2	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	27
3	Naphthalene, 2-butyldecahydro-	194	C14H26	006305-52-8	27
4	2-Bromomethyl-1-isopropenyl-3-me...	216	C10H17Br	1000187-07-8	27
5	Naphthalene, decahydro-1-undecyl-	292	C21H40	066326-27-0	27

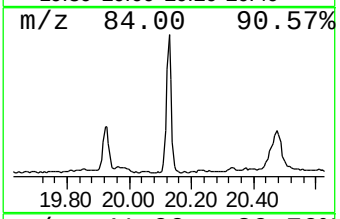


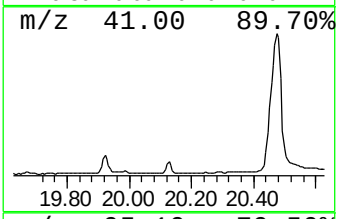


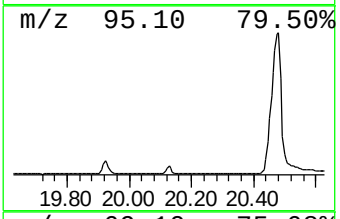


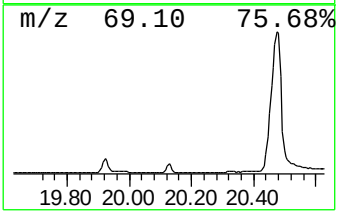












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

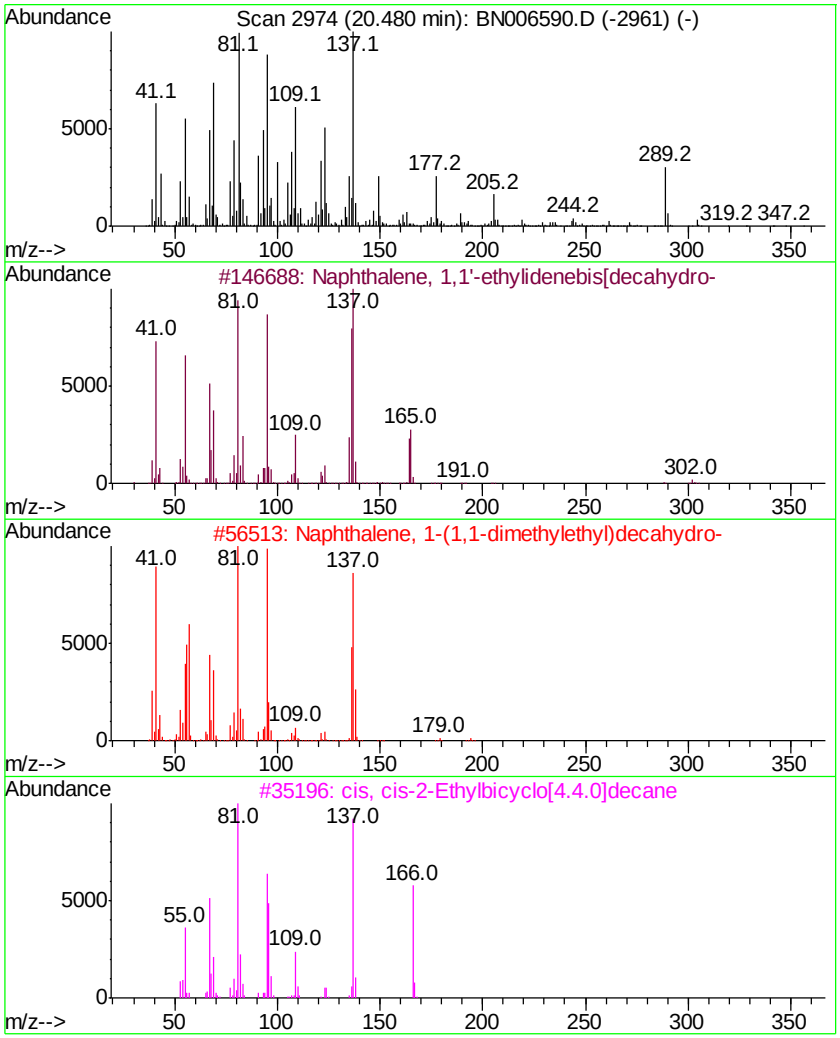
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

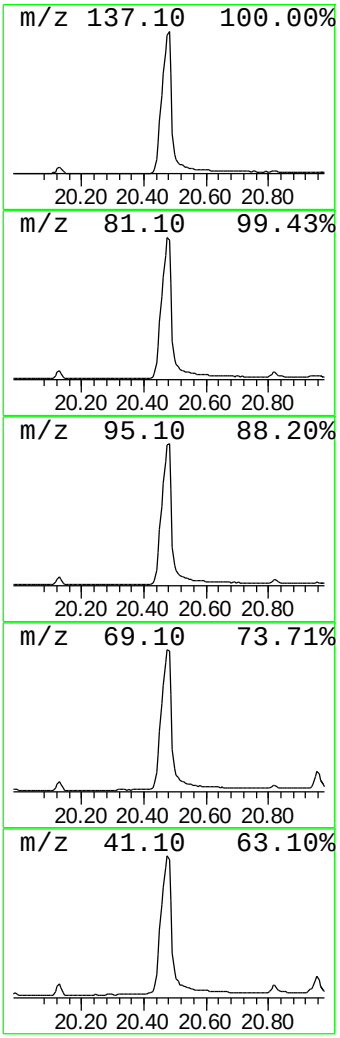
****

Peak Number 18 unknown-05 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.48	113.65 ng/ul	28983500	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,1'-ethylidenebis[...	302	C22H38	054934-70-2	43
2	Naphthalene, 1-(1,1-dimethylethy...	194	C14H26	056292-64-9	43
3	cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	38
4	Cyclopentanecarboxylic acid, 3-i...	290	C19H30O2	1000151-83-4	38
5	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

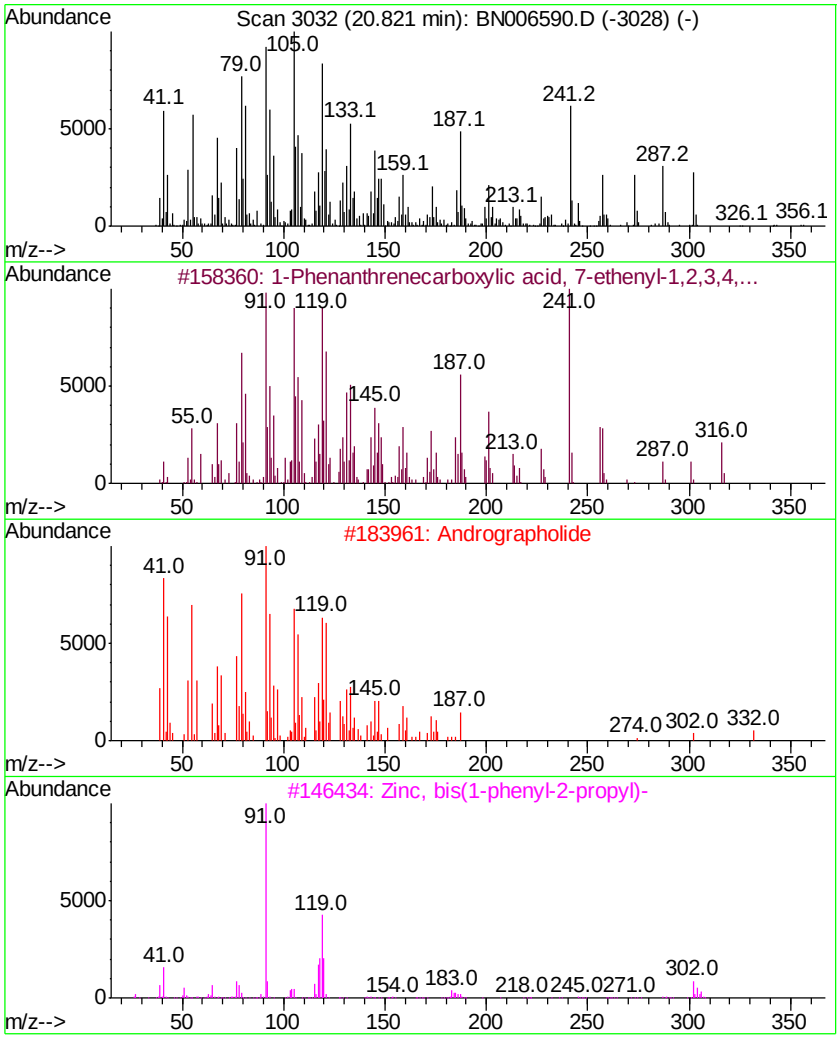
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

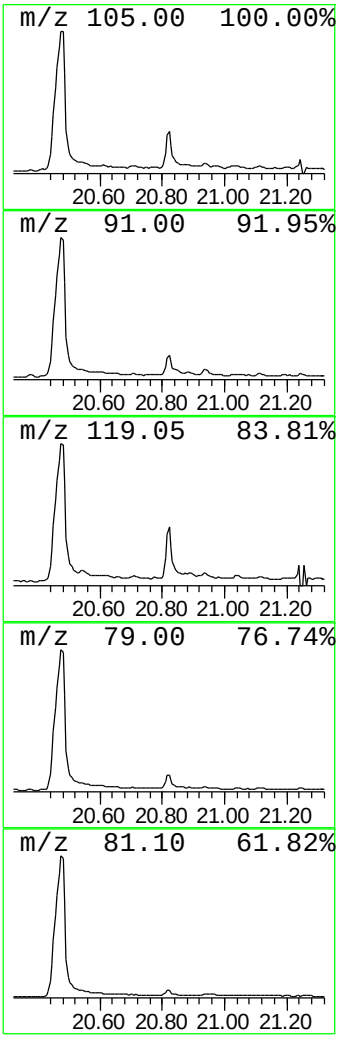
****

Peak Number 19 1-Phenanthrenecarboxylic ac... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	5.56 ng/ul	1419220	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 7...	316	C21H32O2	001686-62-0	59
2	Andrographolide	350	C20H30O5	005508-58-7	18
3	Zinc, bis(1-phenyl-2-propyl)-	302	C18H22Zn	1000149-24-0	15
4	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	14
5	1,3,6,10-Dodecatetraene, 3,7,11-...	204	C15H24	026560-14-5	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

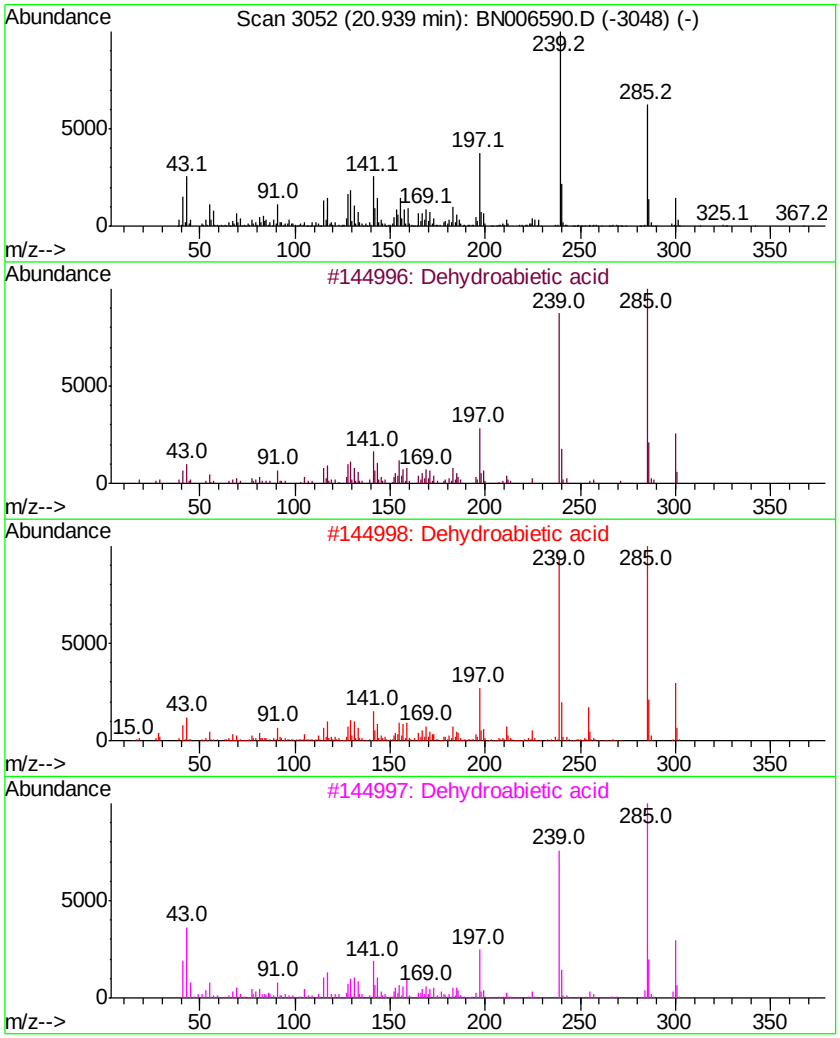
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

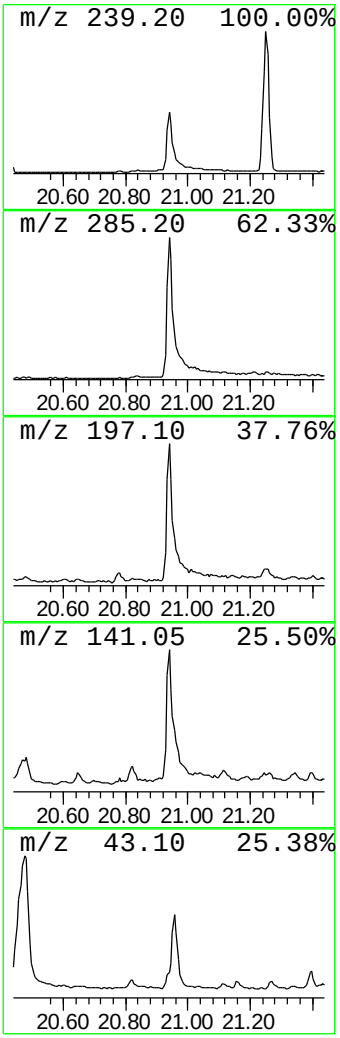
****

Peak Number 20 Dehydroabietic acid Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	3.33 ng/ul	850084	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	96
2	Dehydroabietic acid	300	C20H28O2	001740-19-8	94
3	Dehydroabietic acid	300	C20H28O2	001740-19-8	94
4	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	86
5	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

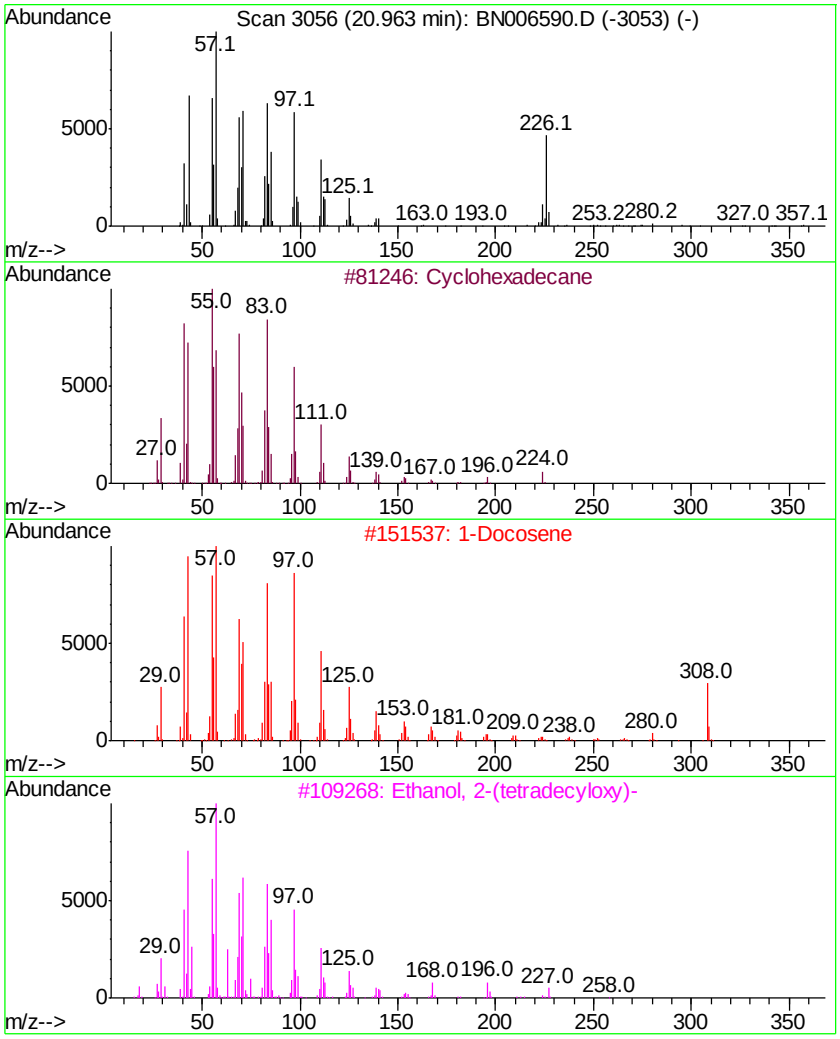
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

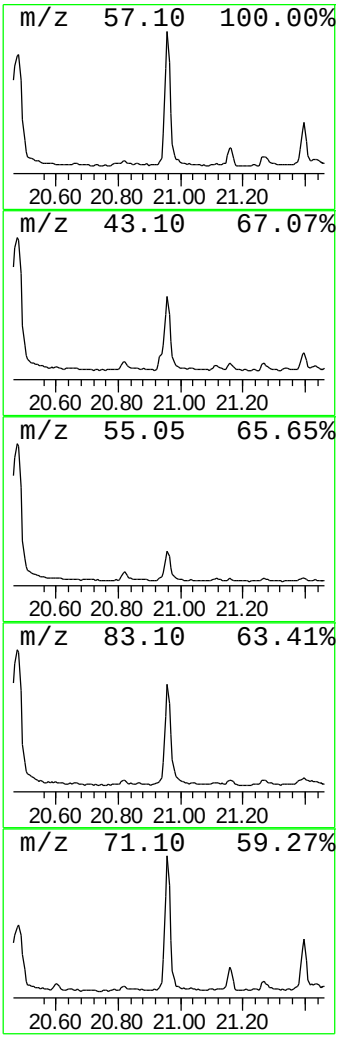
****

Peak Number 21 (DEL) Alkane: Cyclic20.96 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	6.85 ng/ul	1747150	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	96
2	1-Docosene	308	C22H44	001599-67-3	95
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90
4	1-Docosanethiol	342	C22H46S	007773-83-3	86
5	17-Pentatriacontene	491	C35H70	006971-40-0	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

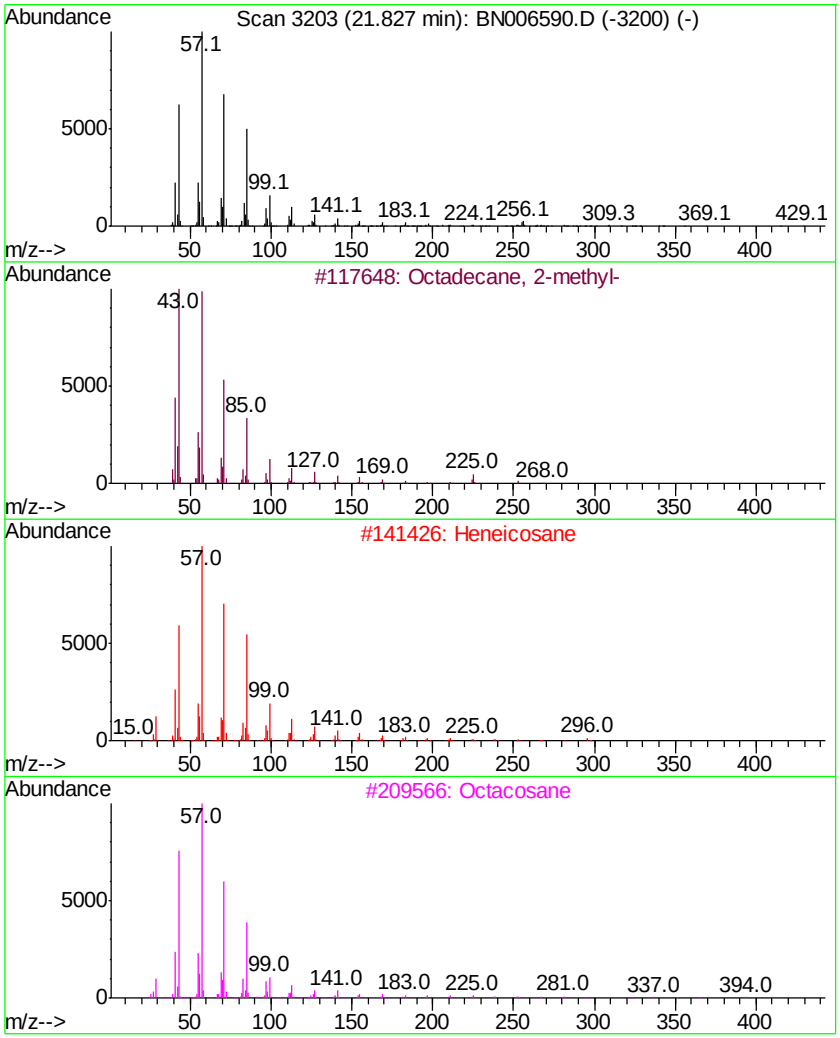
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

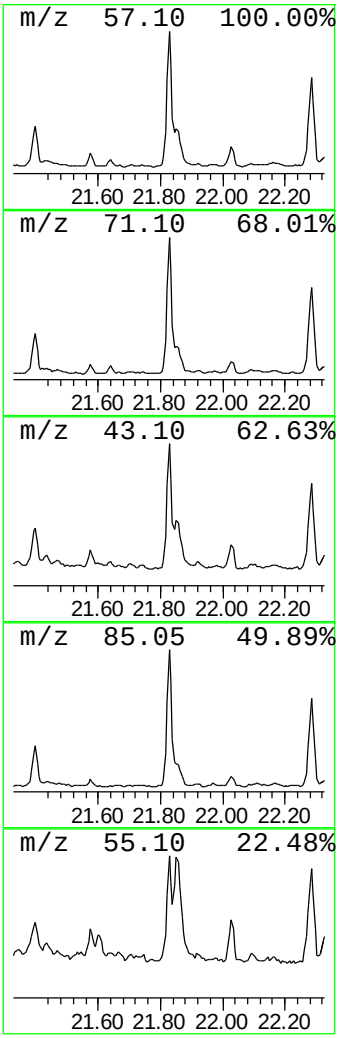
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.67 ng/ul	681336	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	94
2	Heneicosane	296	C21H44	000629-94-7	91
3	Octacosane	394	C28H58	000630-02-4	91
4	2-methyloctacosane	408	C29H60	1000376-72-8	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

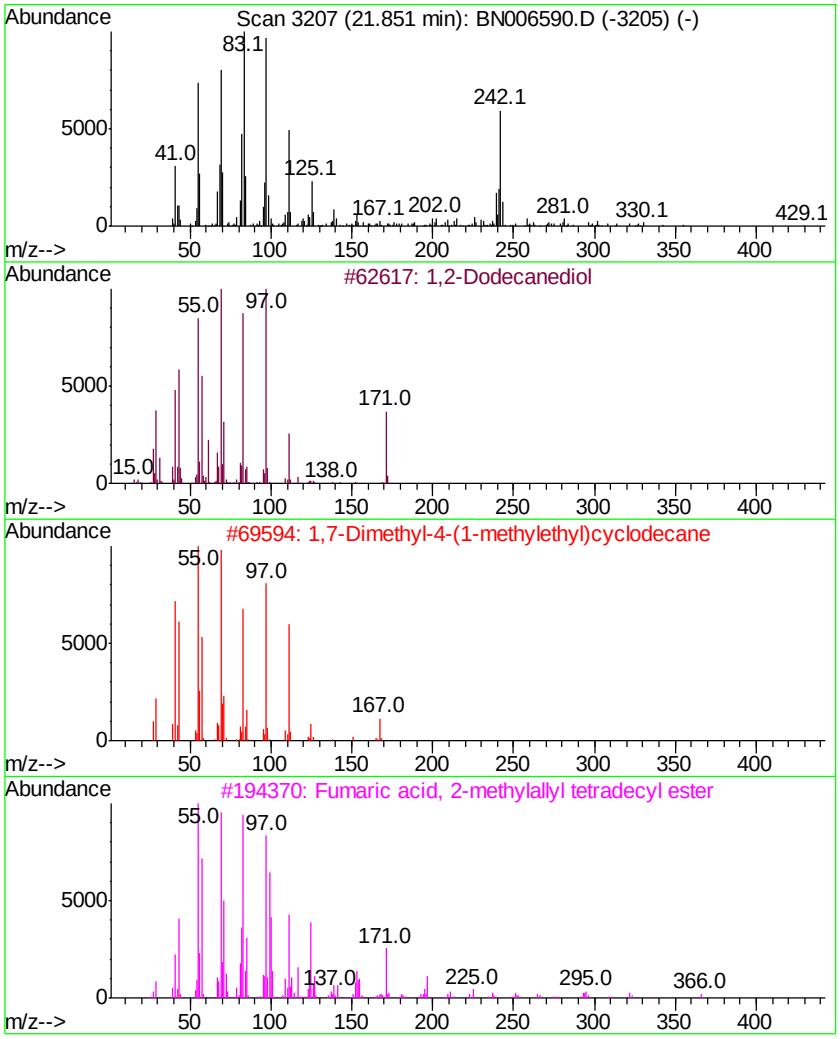
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

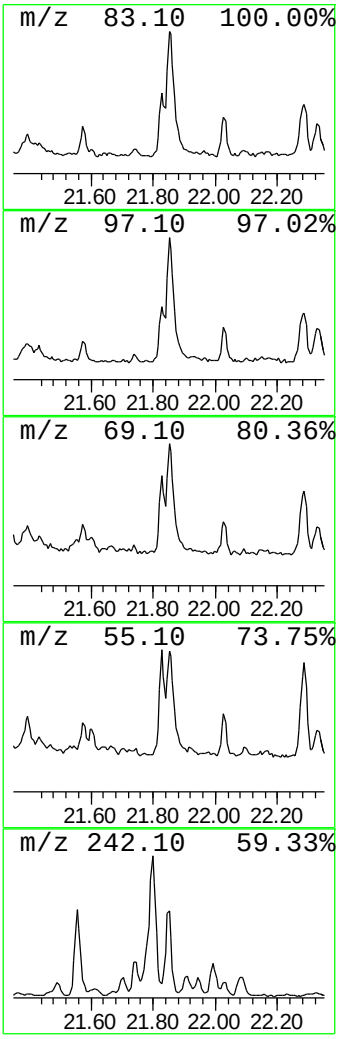
****

Peak Number 23 unknown-06 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.85	2.75 ng/ul	702476	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dodecanediol	202	C12H26O2	001119-87-5	47
2	1,7-Dimethyl-4-(1-methylethyl)cy...	210	C15H30	000645-10-3	43
3	Fumaric acid, 2-methylallyl tetr...	366	C22H38O4	1000330-55-3	38
4	Cyclohexane, 1,2,4,5-tetraethyl-...	196	C14H28	061142-24-3	27
5	Cyclohexanone, 3-ethyl-	126	C8H14O	022461-89-8	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

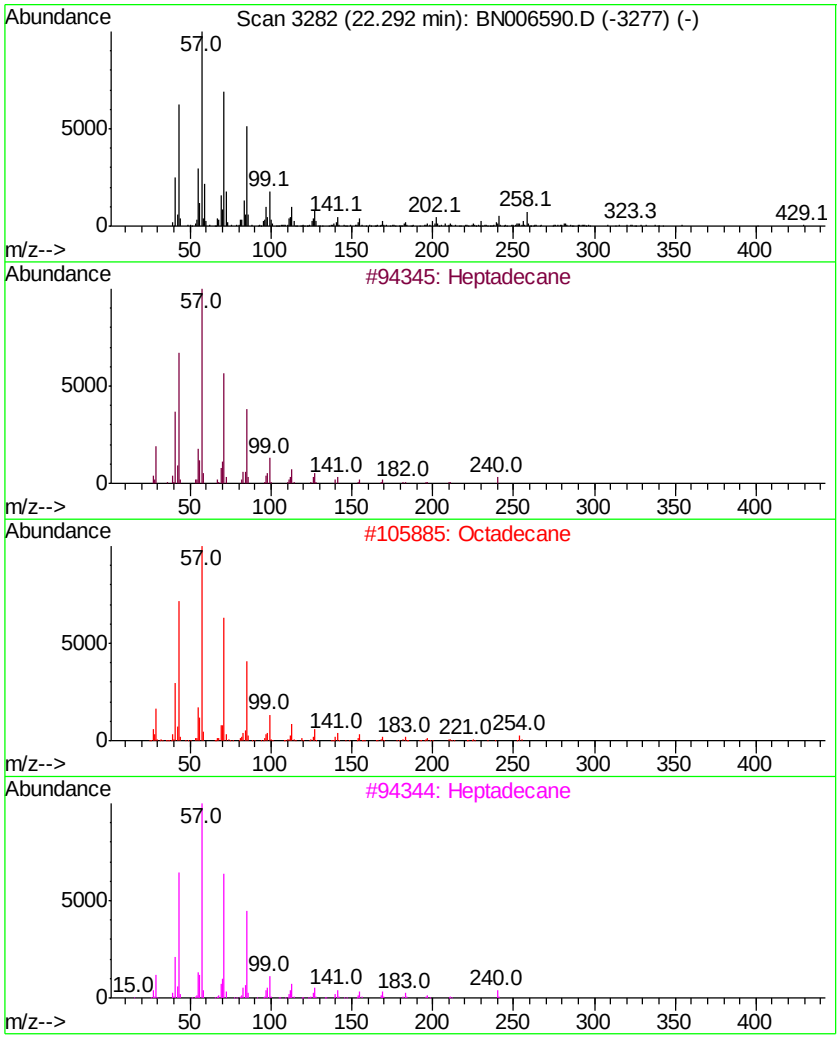
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

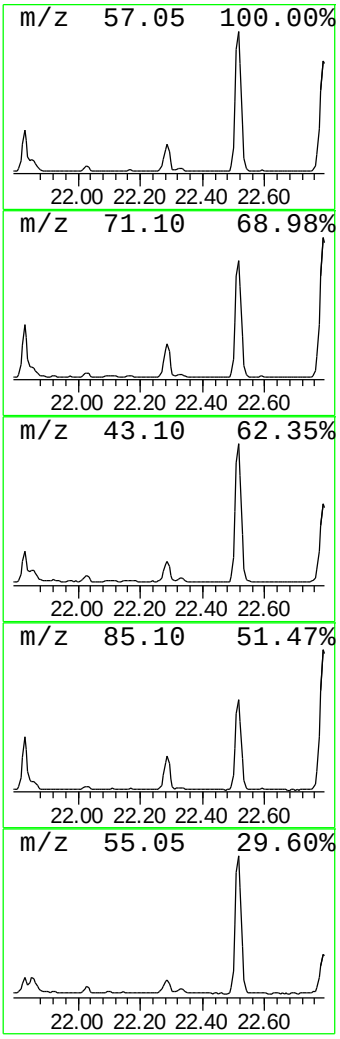
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.29	2.94 ng/ul	749353	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Octadecane	254	C18H38	000593-45-3	95
3	Heptadecane	240	C17H36	000629-78-7	92
4	Heneicosane	296	C21H44	000629-94-7	76
5	Hexacosane	366	C26H54	000630-01-3	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

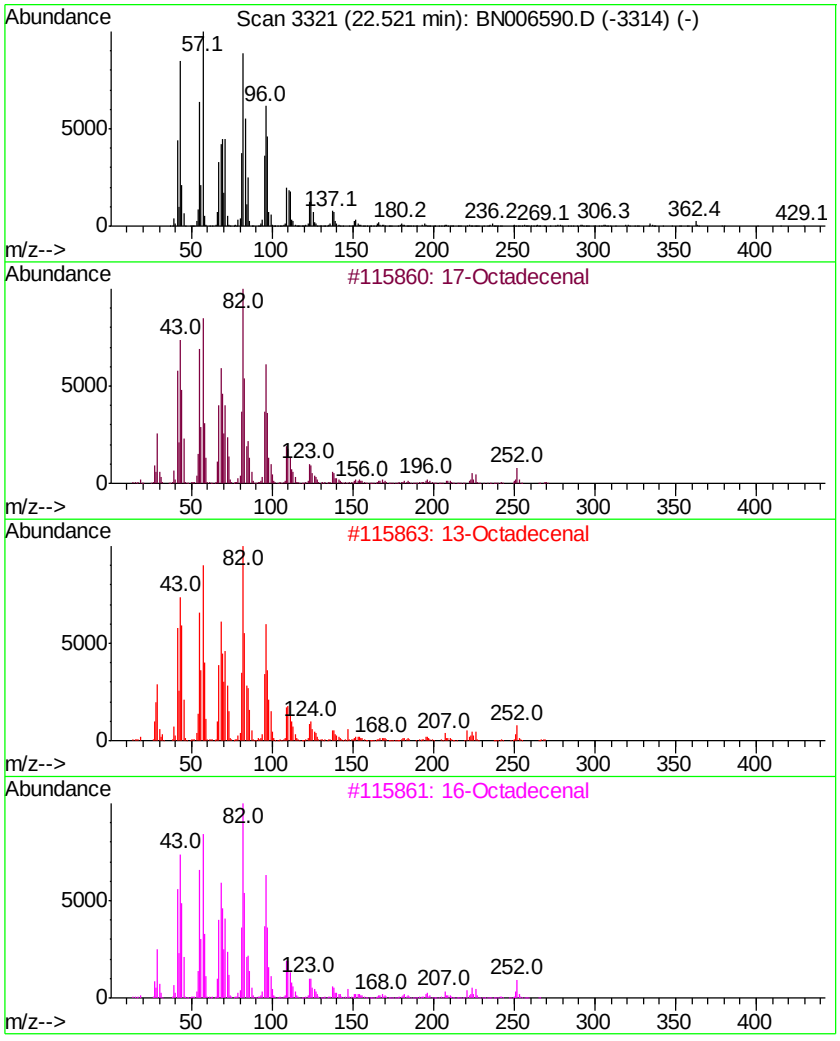
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

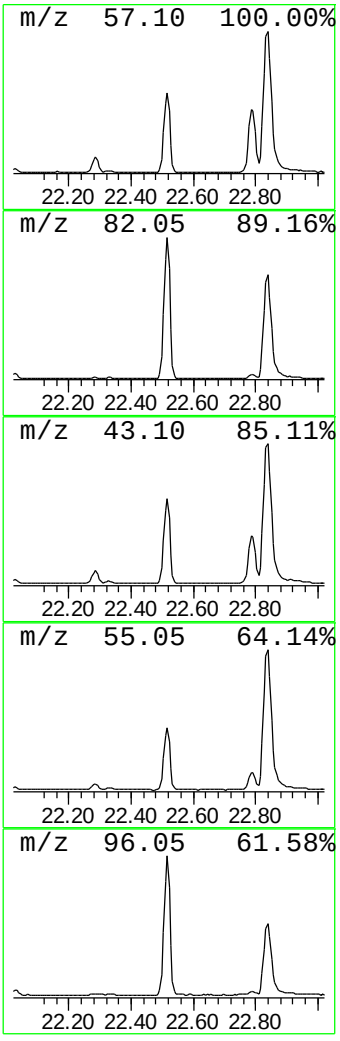
****

Peak Number 25 17-Octadecenal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.52	45.31 ng/ul	7374150	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Octadecenal	266	C18H34O	056554-86-0	93
2	13-Octadecenal	266	C18H34O	056554-90-6	93
3	16-Octadecenal	266	C18H34O	056554-87-1	93
4	14-Octadecenal	266	C18H34O	056554-89-3	93
5	Octadecanal	268	C18H36O	000638-66-4	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

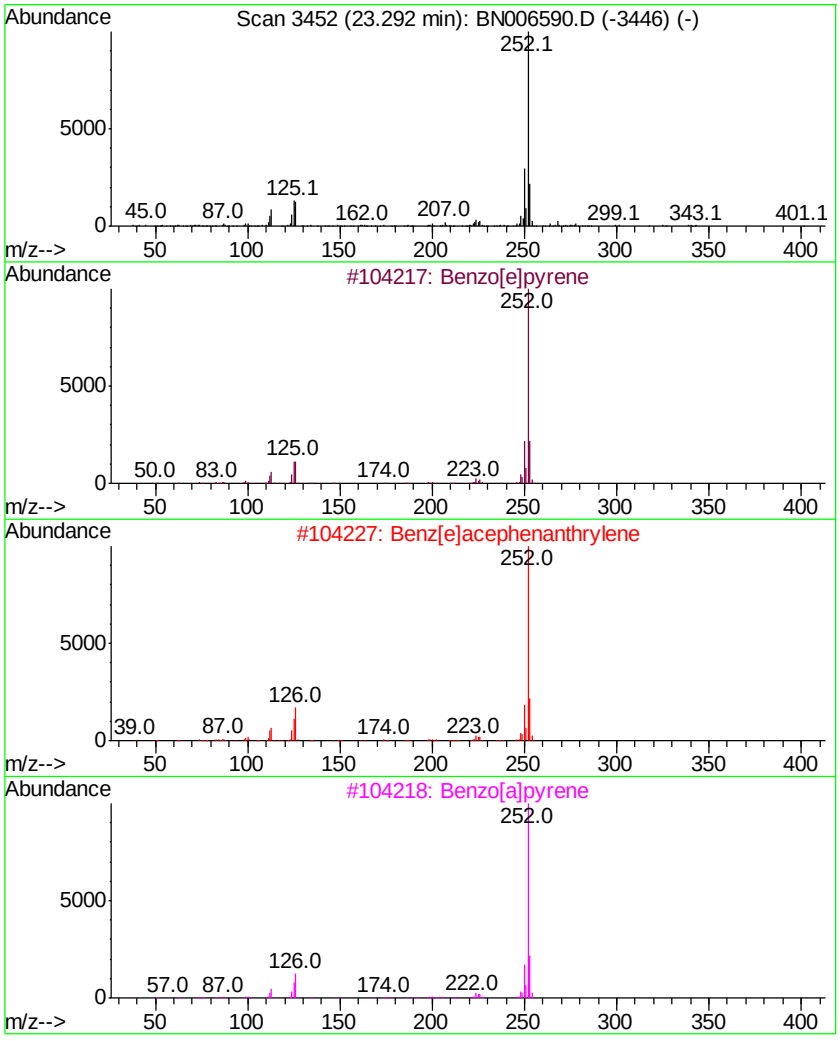
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

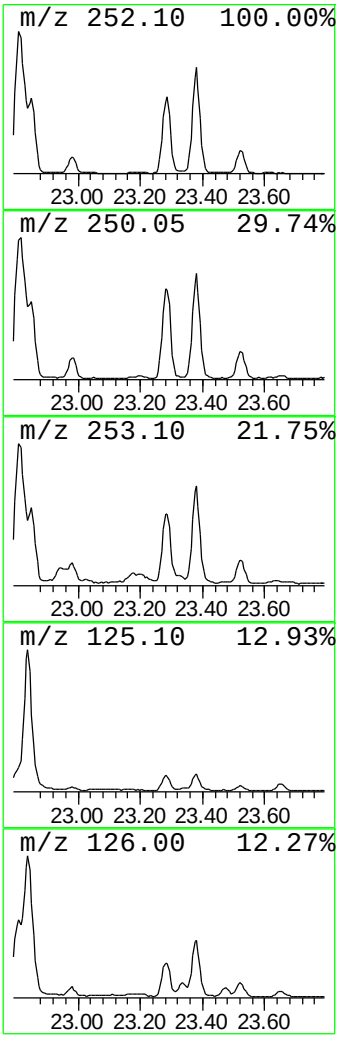
****

Peak Number 26 Benzo[e]pyrene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.29	3.44 ng/ul	560301	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

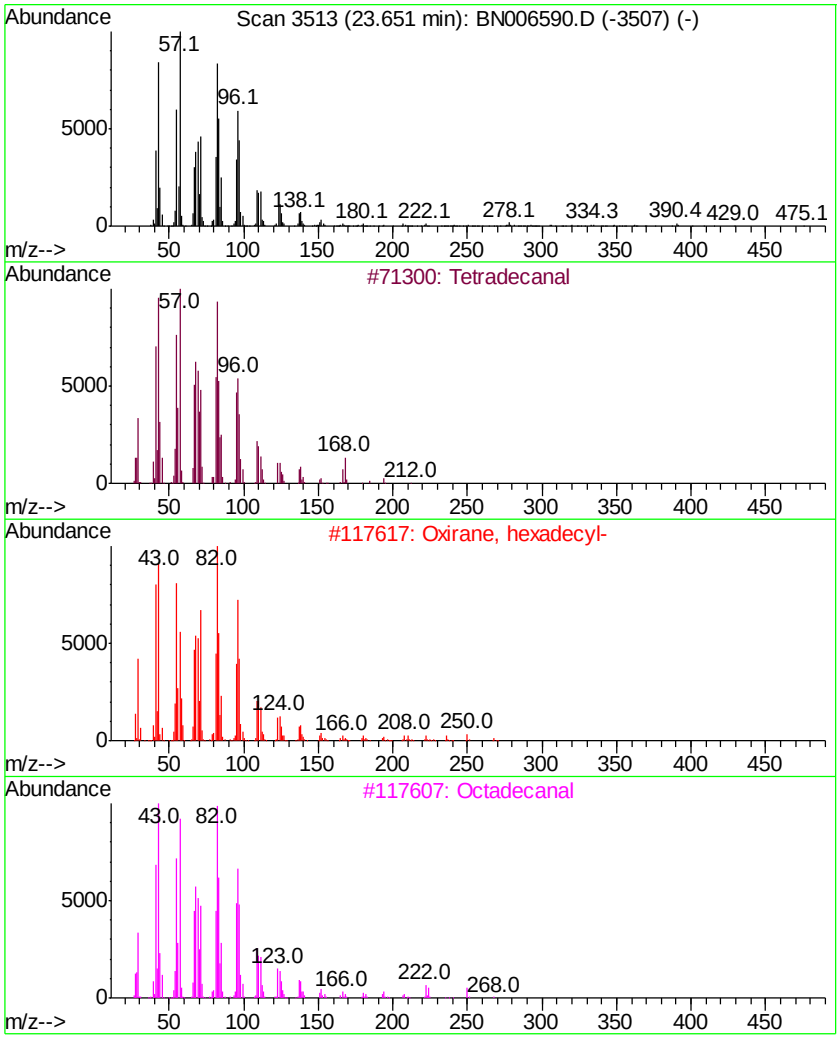
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

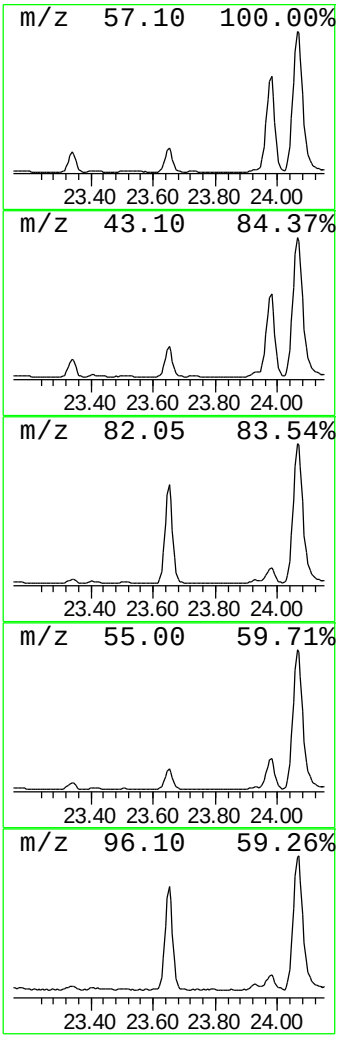
****

Peak Number 27 Tetradecanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.65	15.88 ng/ul	2584750	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanal	212	C14H28O	000124-25-4	93
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
3	Octadecanal	268	C18H36O	000638-66-4	91
4	Tetracosanal	352	C24H48O	057866-08-7	90
5	Octadecanal	268	C18H36O	000638-66-4	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

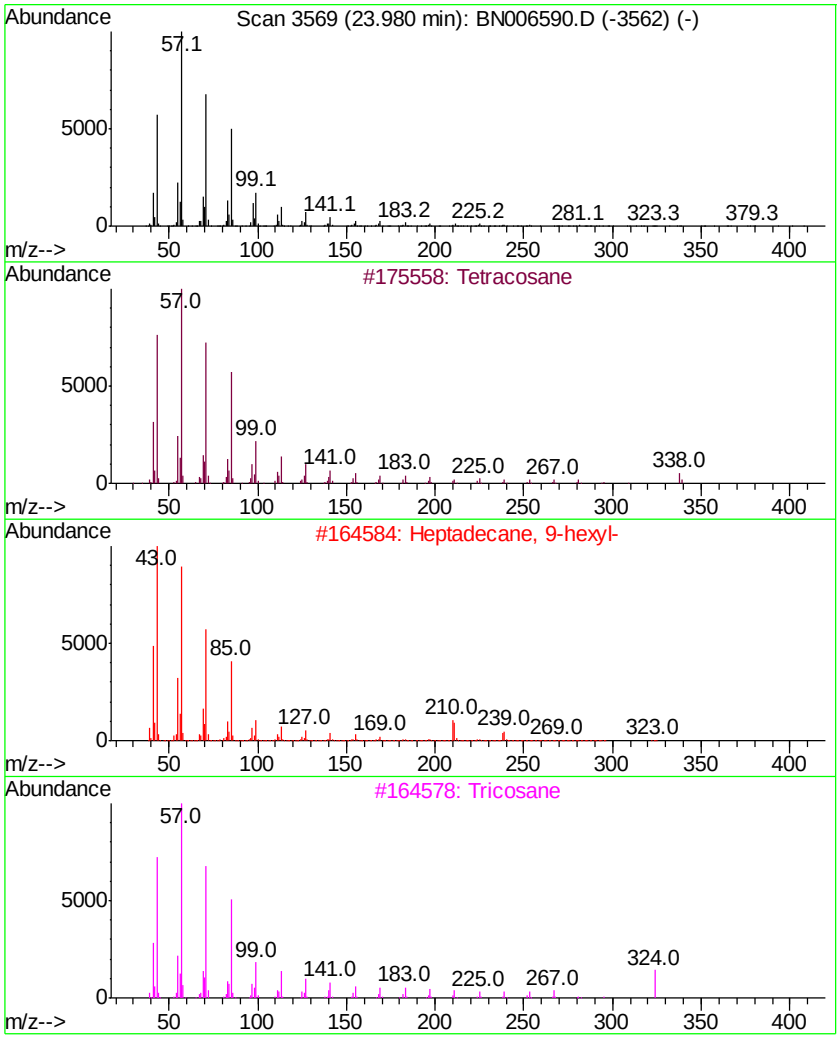
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

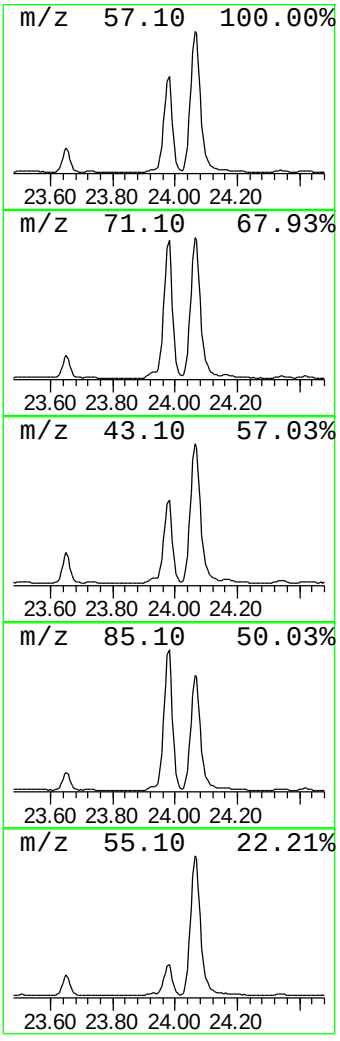
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.98	32.48 ng/ul	5285410	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	97
2	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	94
3	Tricosane	324	C23H48	000638-67-5	93
4	Heneicosane	296	C21H44	000629-94-7	91
5	Octacosane	394	C28H58	000630-02-4	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

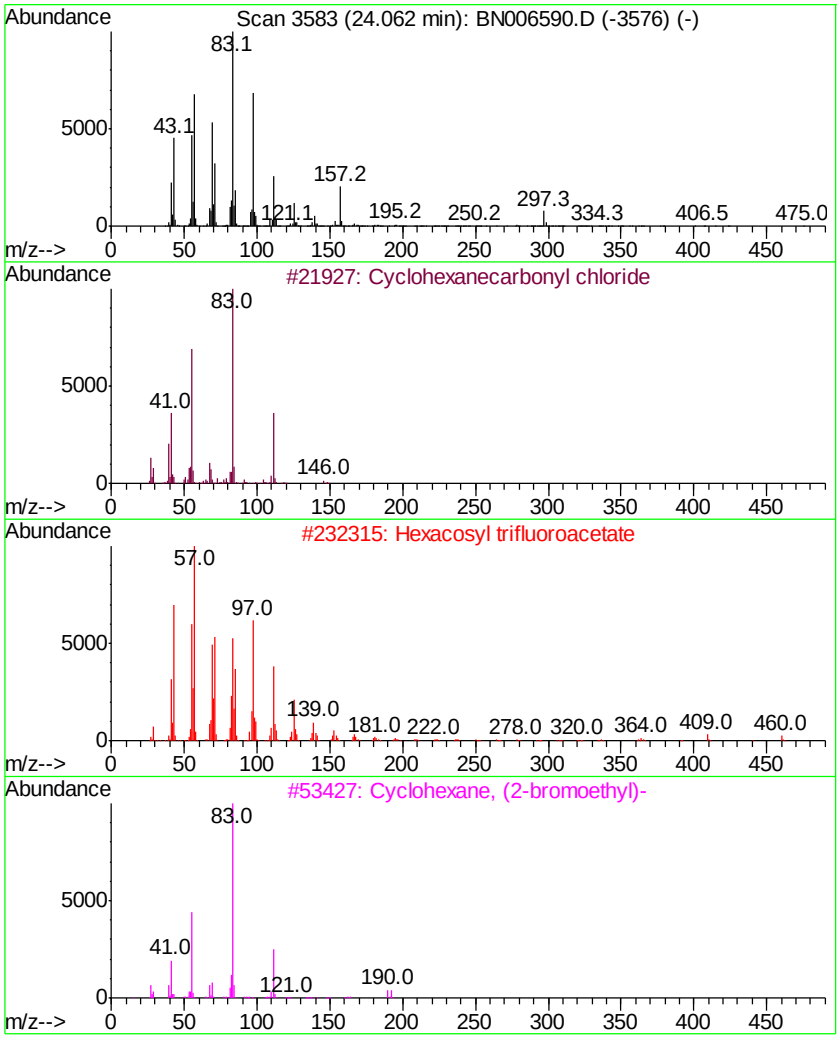
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

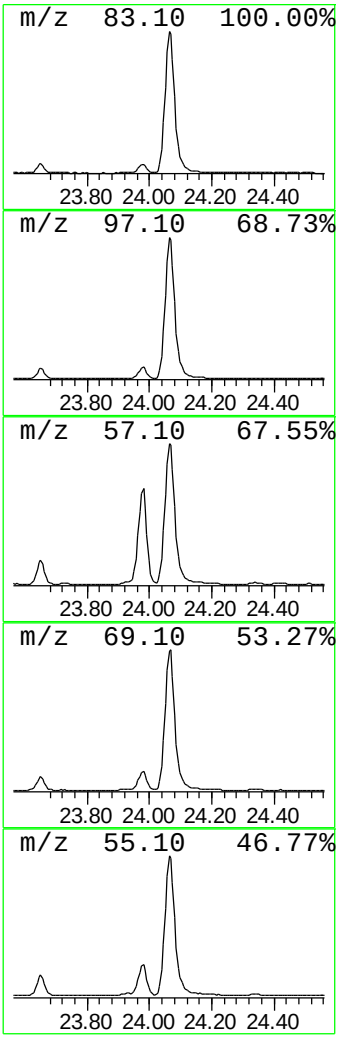
****

Peak Number 29 unknown-07 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.06	117.32 ng/ul	19093800	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanecarbonyl chloride	146	C7H11ClO	002719-27-9	45
2	Hexacosyl trifluoroacetate	478	C28H53F3O2	1000351-75-0	43
3	Cyclohexane, (2-bromoethyl)-	190	C8H15Br	001647-26-3	43
4	Hexacosyl pentafluoropropionate	528	C29H53F5O2	1000351-81-2	43
5	Triacontyl heptafluorobutyrate	634	C34H61F7O2	1000351-83-2	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

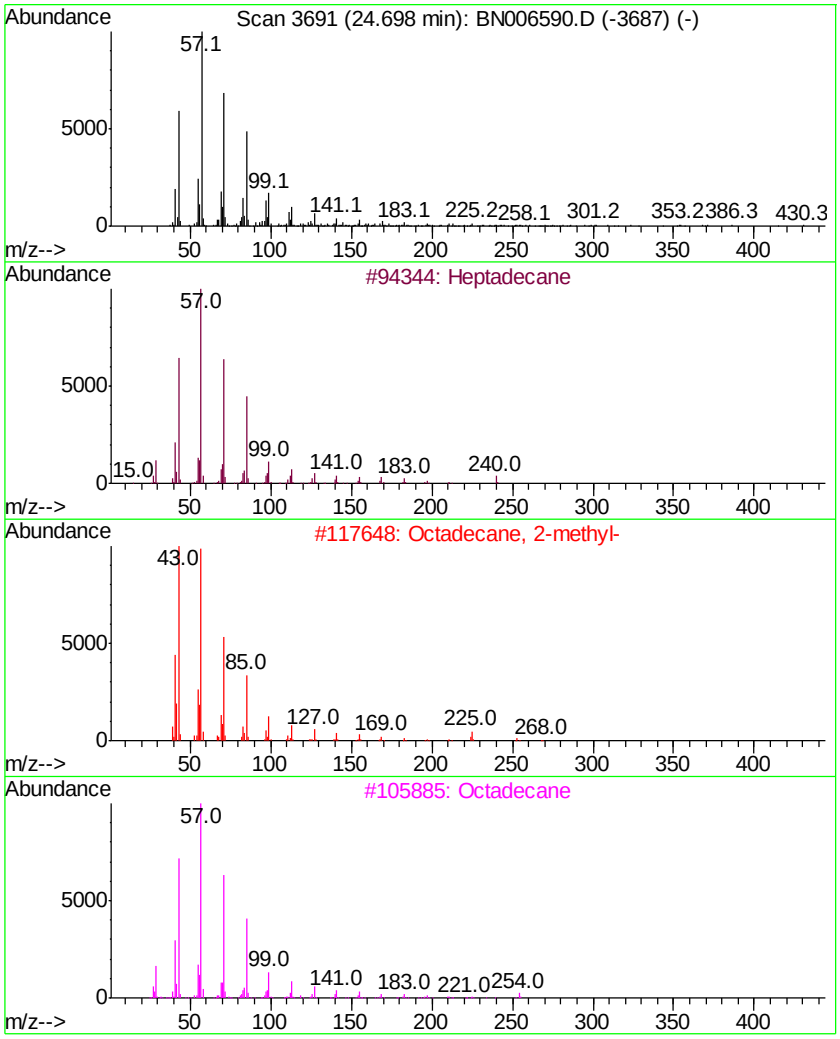
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

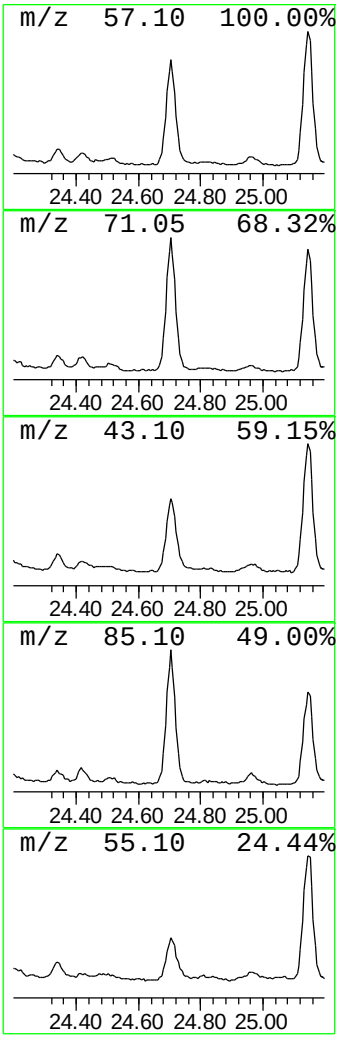
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.70	7.63 ng/ul	1241060	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
3	Octadecane	254	C18H38	000593-45-3	91
4	Heneicosane	296	C21H44	000629-94-7	90
5	Octacosane	394	C28H58	000630-02-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

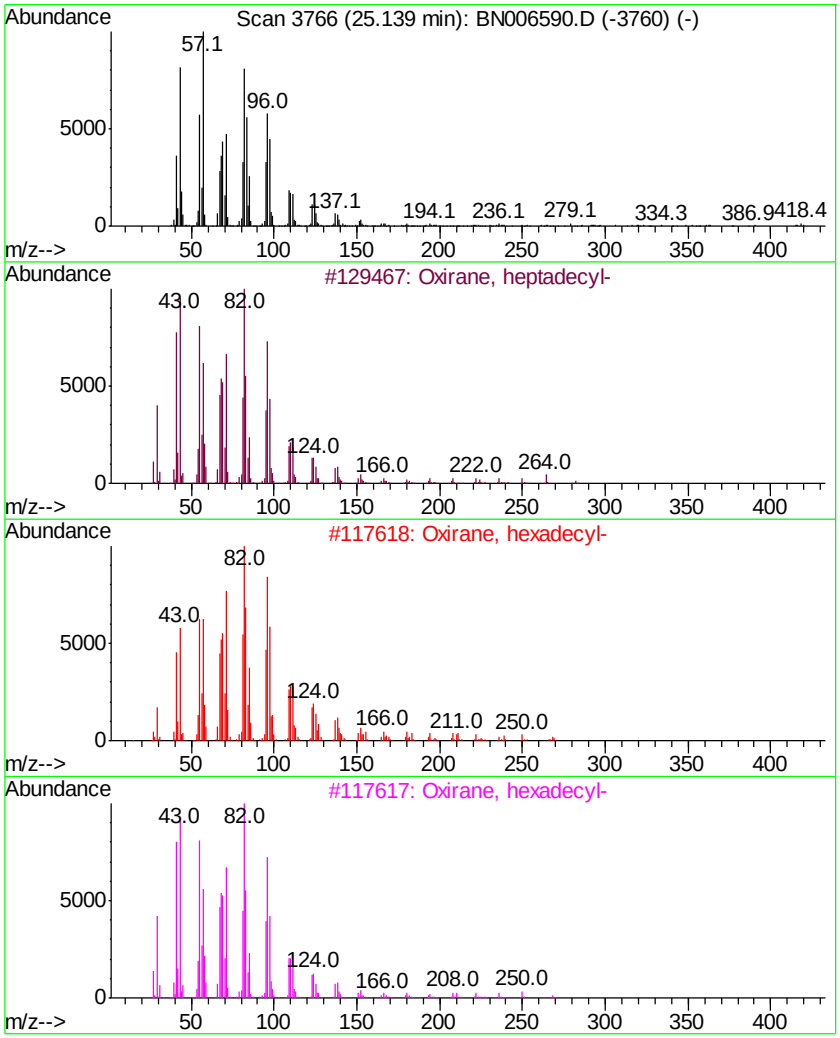
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

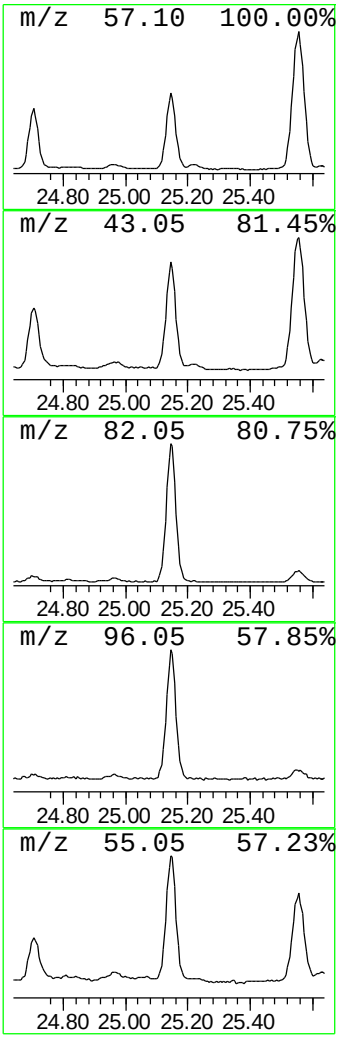
****

Peak Number 31 Oxirane, heptadecyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.14	14.62 ng/ul	2378930	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
4	Octadecanal	268	C18H36O	000638-66-4	90
5	Octadecanal	268	C18H36O	000638-66-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

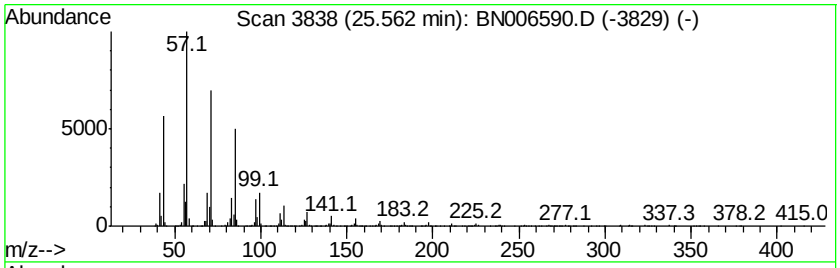
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

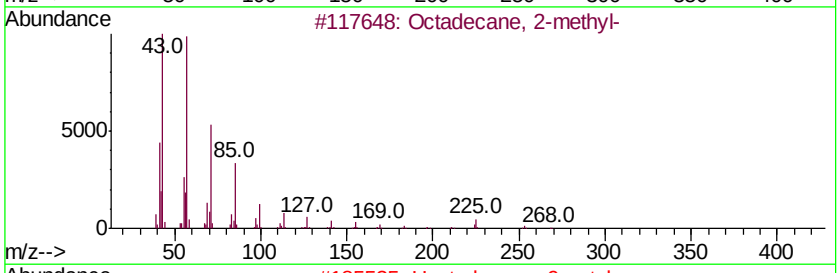
****

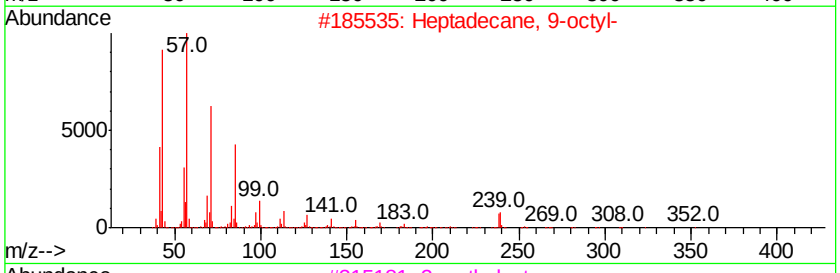
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 8

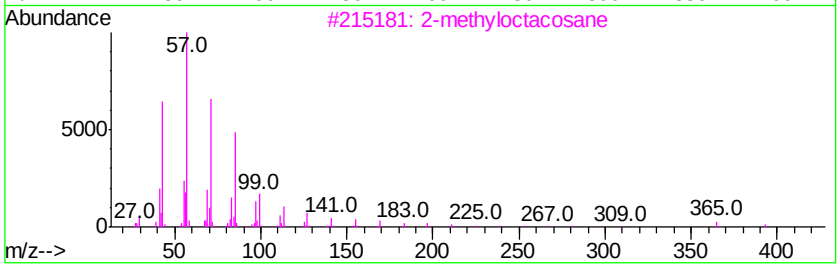
R.T.	EstConc	Area	Relative to ISTD	R.T.
25.56	15.29 ng/ul	2489150	Perylene-d12	23.47

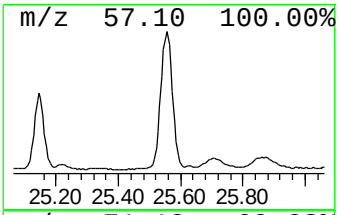
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	94
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	91

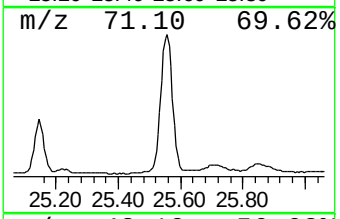


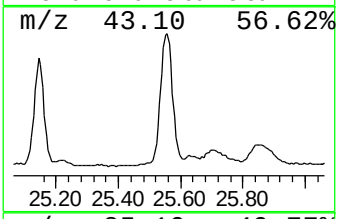


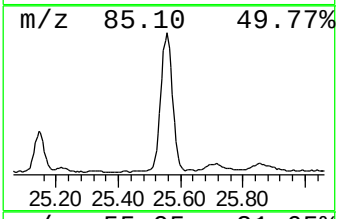


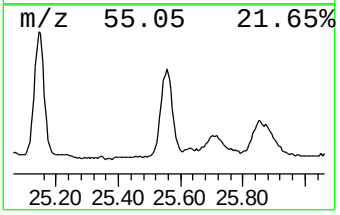












Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

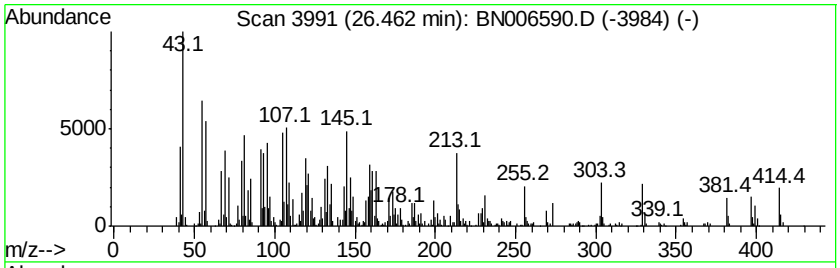
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

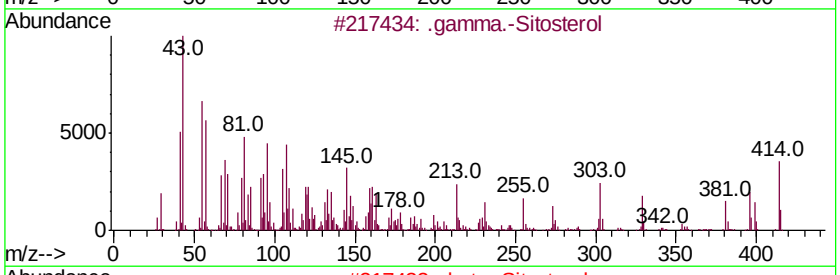
****

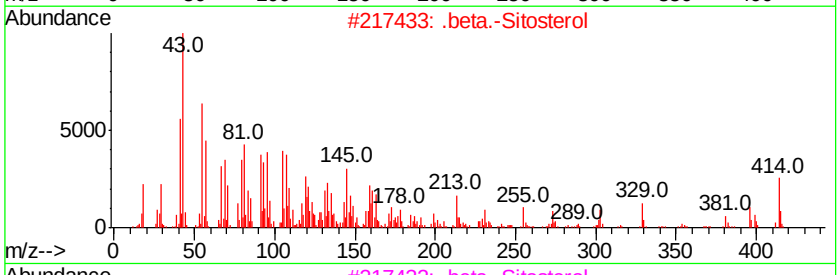
Peak Number 33 .gamma.-Sitosterol Concentration Rank 12

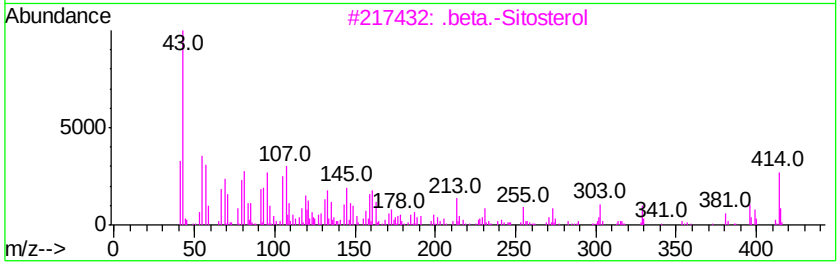
R.T.	EstConc	Area	Relative to ISTD	R.T.
26.46	9.48 ng/ul	1542610	Perylene-d12	23.47

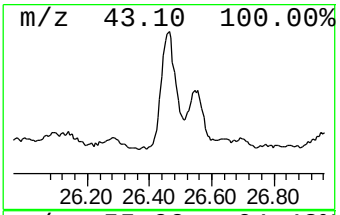
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	99
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	96
4	.gamma.-Sitosterol	414	C29H50O	000083-47-6	86
5	Isocholesteryl methyl ether	400	C28H48O	029944-53-4	53

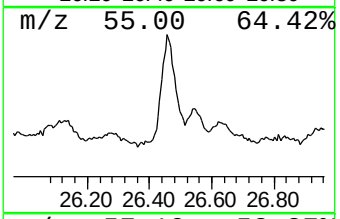


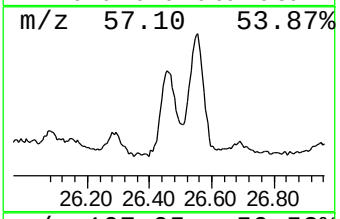


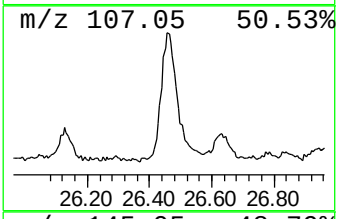


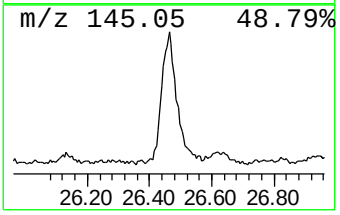












Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

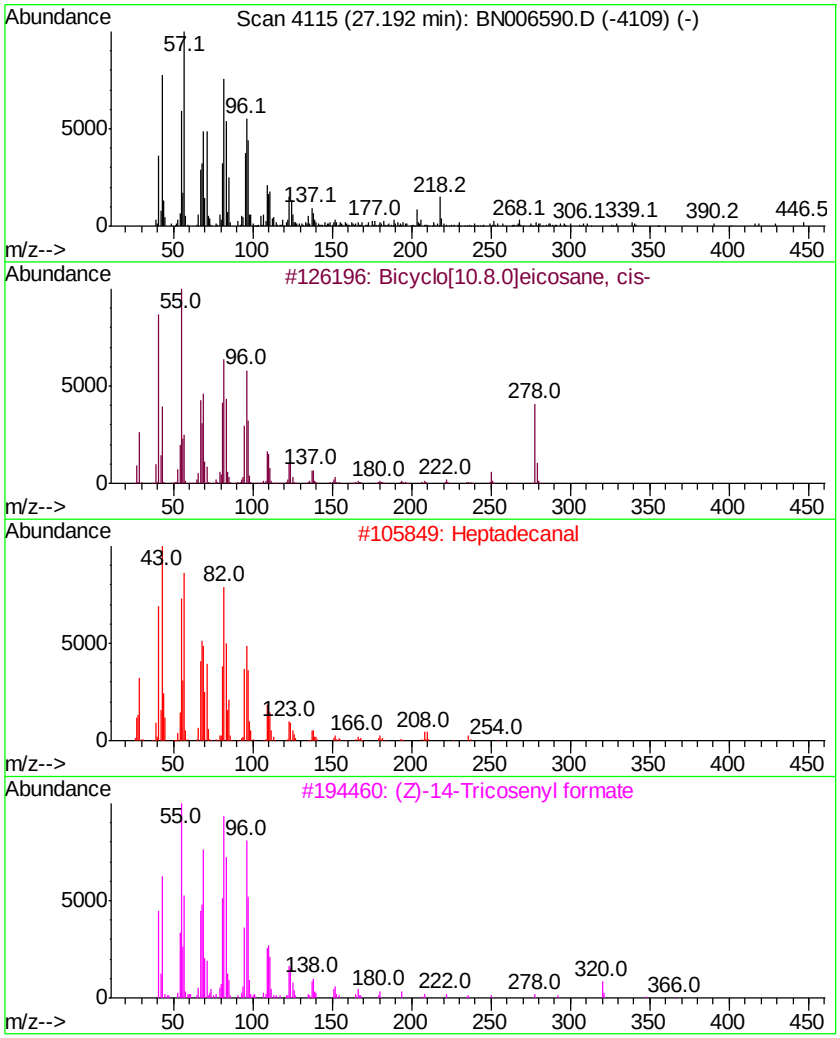
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

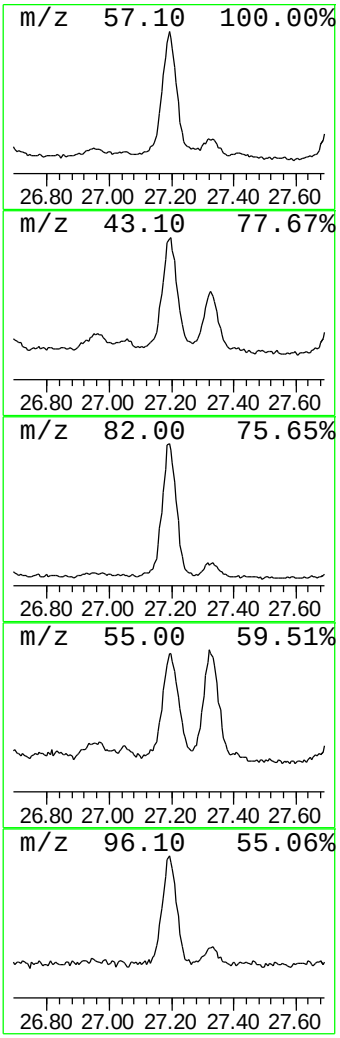
****

Peak Number 34 Bicyclo[10.8.0]eicosane, cis- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.19	7.55 ng/ul	1228500	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[10.8.0]eicosane, cis-	278	C20H38	1000155-82-2	93
2	Heptadecanal	254	C17H34O	1000376-70-0	91
3	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	90
4	1,19-Eicosadiene	278	C20H38	014811-95-1	74
5	11-Tetradecyn-1-ol acetate	252	C16H28O2	033925-72-3	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

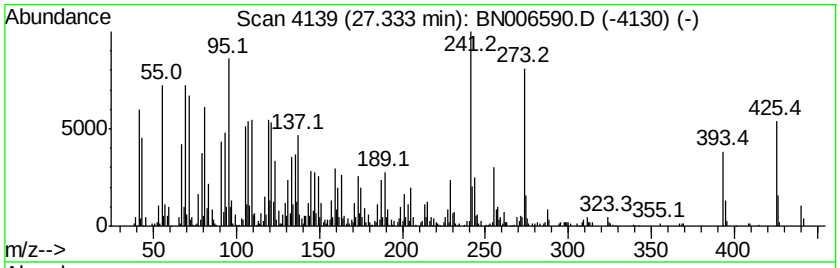
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

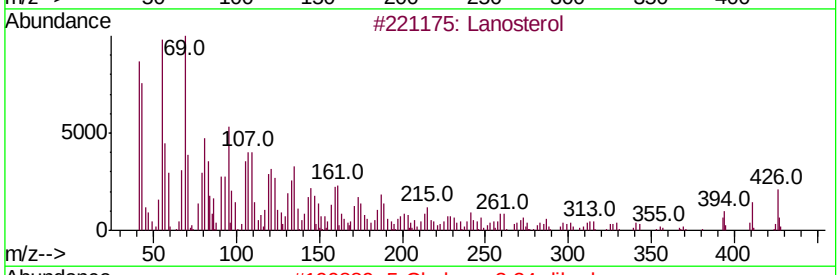
****

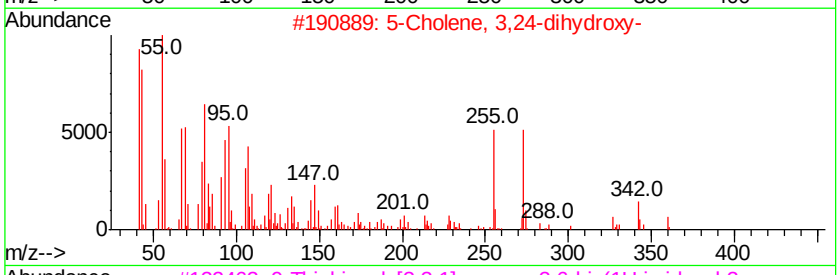
Peak Number 35 unknown-08 Concentration Rank 6

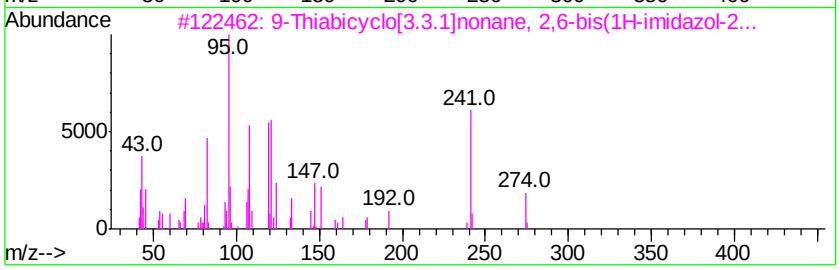
R.T.	EstConc	Area	Relative to ISTD	R.T.
27.33	17.54 ng/ul	2854690	Perylene-d12	23.47

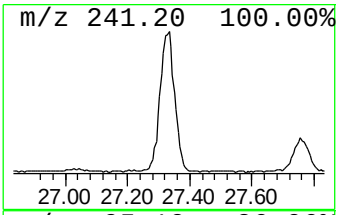
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lanosterol	426	C30H50O	000079-63-0	25
2	5-Cholene, 3,24-dihydroxy-	360	C24H40O2	1000251-69-2	16
3	9-Thiabicyclo[3.3.1]nonane, 2,6-...	274	C14H18N4S	1000141-52-1	14
4	1-(4-Methyl-6-chloro-quinolin-2-...	273	C14H12ClN3O	111784-26-0	14
5	3,5-Octadiene, 4,5-diethyl-	166	C12H22	067652-84-0	14

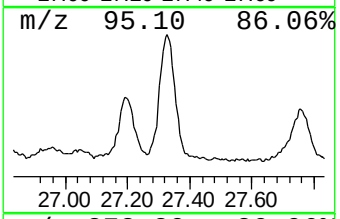


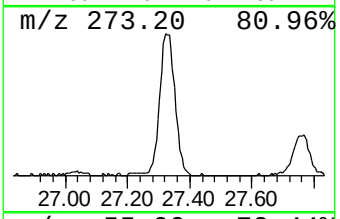


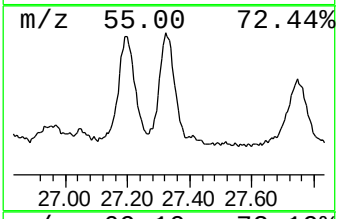


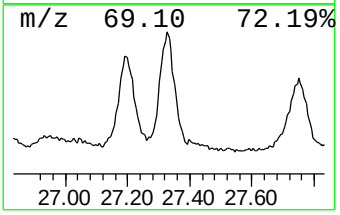












Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

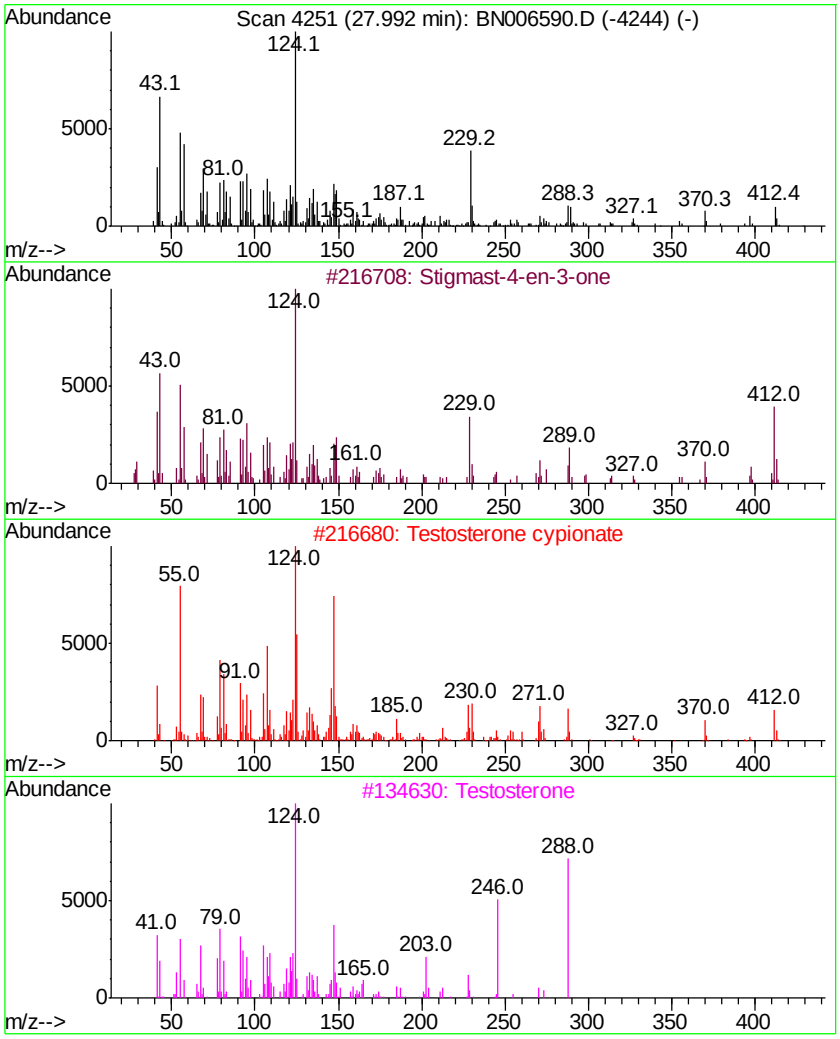
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

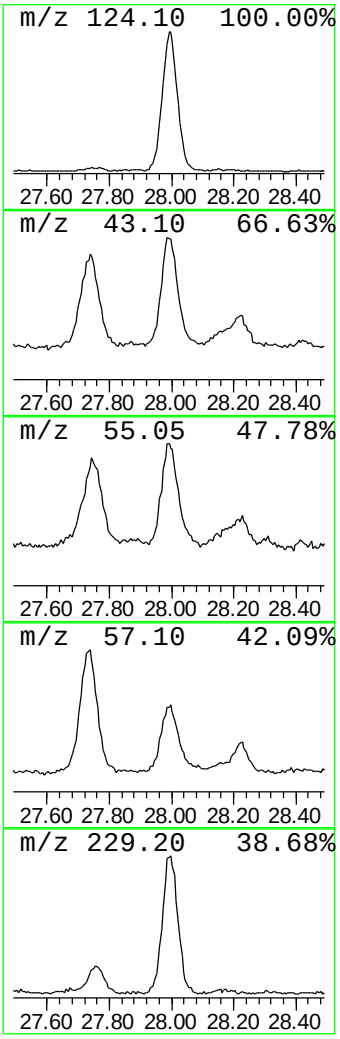
****

Peak Number 36 Stigmast-4-en-3-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.99	9.47 ng/ul	1541760	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	60
2	Testosterone cypionate	412	C27H40O3	000058-20-8	49
3	Testosterone	288	C19H28O2	000058-22-0	49
4	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000604-39-7	45
5	1,4-Benzenediol, 2-methyl-	124	C7H8O2	000095-71-6	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062619\
Data File : BN006590.D
Acq On : 26 Jun 2019 22:13
Operator : HP/JU
Sample : K3498-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C5AB3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclotrisiloxane,...	4.28	3.0	ng/ul	203996	1	7.62	1358400	20.0
Bicyclo[3.1.0]hex...	6.14	3.1	ng/ul	210250	1	7.62	1358400	20.0
(1R)-2,6,6-Trimet...	6.30	20.4	ng/ul	1382980	1	7.62	1358400	20.0
.beta.-Pinene	7.05	9.6	ng/ul	653072	1	7.62	1358400	20.0
o-Cymene	7.75	2.1	ng/ul	145507	1	7.62	1358400	20.0
Eucalyptol	7.91	8.3	ng/ul	560548	1	7.62	1358400	20.0
.gamma.-Terpinene	8.28	4.1	ng/ul	275968	1	7.62	1358400	20.0
Caryophyllene	13.59	2.6	ng/ul	385005	3	14.27	2984140	20.0
1-Hydroxy-1,7-dim...	15.16	5.9	ng/ul	877211	3	14.27	2984140	20.0
unknown-01	17.19	4.3	ng/ul	777789	4	17.03	3601070	20.0
n-Hexadecanoic acid	17.93	10.9	ng/ul	1957990	4	17.03	3601070	20.0
unknown-02	18.20	2.4	ng/ul	430563	4	17.03	3601070	20.0
1H-Naphtho[2,1-b]...	18.55	2.2	ng/ul	393824	4	17.03	3601070	20.0
Octadecanoic acid	19.23	4.2	ng/ul	1072230	5	21.25	5100640	20.0
unknown-03	19.92	6.7	ng/ul	1700310	5	21.25	5100640	20.0
11H-Benzo[b]fluorene	19.97	2.6	ng/ul	669812	5	21.25	5100640	20.0
unknown-04	20.13	4.7	ng/ul	1207330	5	21.25	5100640	20.0
unknown-05	20.48	113.7	ng/ul	28983500	5	21.25	5100640	20.0
1-Phenanthrenecar...	20.82	5.6	ng/ul	1419220	5	21.25	5100640	20.0
Dehydroabietic acid	20.94	3.3	ng/ul	850084	5	21.25	5100640	20.0
(DEL) Alkane: Cyc...	20.96	6.8	ng/ul	1747150	5	21.25	5100640	20.0
(DEL) Alkane: Str...	21.83	2.7	ng/ul	681336	5	21.25	5100640	20.0
unknown-06	21.85	2.8	ng/ul	702476	5	21.25	5100640	20.0
(DEL) Alkane: Str...	22.29	2.9	ng/ul	749353	5	21.25	5100640	20.0
17-Octadecenal	22.52	45.3	ng/ul	7374150	6	23.47	3255040	20.0
Benzo[e]pyrene	23.29	3.4	ng/ul	560301	6	23.47	3255040	20.0
Tetradecanal	23.65	15.9	ng/ul	2584750	6	23.47	3255040	20.0
(DEL) Alkane: Str...	23.98	32.5	ng/ul	5285410	6	23.47	3255040	20.0
unknown-07	24.06	117.3	ng/ul	19093800	6	23.47	3255040	20.0
(DEL) Alkane: Str...	24.70	7.6	ng/ul	1241060	6	23.47	3255040	20.0
Oxirane, heptadecyl-	25.14	14.6	ng/ul	2378930	6	23.47	3255040	20.0
(DEL) Alkane: Str...	25.56	15.3	ng/ul	2489150	6	23.47	3255040	20.0
.gamma.-Sitosterol	26.46	9.5	ng/ul	1542610	6	23.47	3255040	20.0
Bicyclo[10.8.0]ei...	27.19	7.5	ng/ul	1228500	6	23.47	3255040	20.0
unknown-08	27.33	17.5	ng/ul	2854690	6	23.47	3255040	20.0
Stigmast-4-en-3-one	27.99	9.5	ng/ul	1541760	6	23.47	3255040	20.0