LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122619\
Data File : BN009187.D
Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

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-BN122419MA.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	3.828	138	143	154	rVB	654797	1004556	10.19%	0.578%
2	4.046	174	180	190	rVV	221003	307866	3.12%	0.177%
3	4.440	241	247	252	rBV	129469	176115	1.79%	0.101%
4	6.717	623	634	647	rVB	1710874	2864879	29.06%	1.648%
5	6.869	654	660	668	rBV	1232500	1932493	19.61%	1.111%
6	7.064	686	693	704	rVV	1704331	2649558	26.88%	1.524%
7	7.175	707	712	717	rVV2	95478	160802	1.63%	0.092%
8	7.522	764	771	780	rBV	1302513	2061792	20.92%	1.186%
9	8.228	884	891	901	rBV	2127592	3252596	33.00%	1.871%
10	8.664	951	965	974	rBV	1672102	2782188	28.23%	1.600%
11	8.840	989	995	1003	rVB2	172002	262159	2.66%	0.151%
12	9.375	1079	1086	1094	rBV	1425168	2314863	23.48%	1.331%
13	9.911	1169	1177	1187	rVB	2095934	3438899	34.89%	1.978%
14	10.275	1232	1239	1245	rBV	1930149	3231891	32.79%	1.859%
15	10.328	1245	1248	1255	rVB	224060	328152	3.33%	0.189%
16	10.416	1255	1263	1277	rBV	2008197	3529001	35.80%	2.030%
17	11.946	1517	1523	1532	rVB	184584	311810	3.16%	0.179%
18	12.169	1556	1561	1566	rVB	122672	180248	1.83%	0.104%
19	12.999	1694	1702	1706	rVV2	111654	231693	2.35%	0.133%
20	13.475	1777	1783	1787	rVV	146061	239475	2.43%	0.138%
21	13.528	1787	1792	1795	rVV	107655	161730	1.64%	0.093%
22	13.575	1795	1800	1805	rVV	3449237	4656872	47.25%	2.678%
23	13.622	1805	1808	1813	rVV	222023	278947	2.83%	0.160%
24	13.840	1838	1845	1857	rVB	4033395	6400881	64.94%	3.682%
25	14.151	1891	1898	1904	rBV	2815419	4215928	42.77%	2.425%
26	14.216	1904	1909	1918	rVB	320571	510458	5.18%	0.294%
27	14.369	1929	1935	1947	rBV	1717353	2754300	27.94%	1.584%
28	14.557	1956	1967	1976	rBV2	321164	571225	5.80%	0.329%
29	15.046	2044	2050	2054	rVB2	181897	243415	2.47%	0.140%
30	15.151	2062	2068	2074	rBV	4982758	7087008	71.90%	4.076%
31	15.204	2074	2077	2083	rVB	431547	619721	6.29%	0.356%
32	15.287	2083	2091	2097	rBV	1172395	1687192	17.12%	0.970%
33	15.504	2123	2128	2133	rBV	157465	237811	2.41%	0.137%
34	15.651	2148	2153	2161	rVV	181070	398203	4.04%	0.229%

LSC Area Percent Report

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Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

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-BN122419MA.M
Title : SVOA CALIBRATION

35	15.910	2188	2197	2199	rVV2	283336	472540	4.79%	0.272%
36	15.934	2199	2201	2208	rVB2	165089	212143	2.15%	0.122%
37	16.216	2242	2249	2253	rBV4	94096	183419	1.86%	0.105%
38	16.263	2253	2257	2263	rVB4	99662	159510	1.62%	0.092%
39	16.557	2303	2307	2316	rVB	239491	391684	3.97%	0.225%
40	16.645	2317	2322	2327	rBV3	121456	260115	2.64%	0.150%
41	16.704	2327	2332	2334	rVV	328838	525304	5.33%	0.302%
42	16.904	2360	2366	2369	rBV	3363642	4691193	47.59%	2.698%
43	16.945	2369	2373	2378	rVV	5206368	7123362	72.27%	4.097%
44	17.004	2378	2383	2386	rVV	5132091	7354148	74.61%	4.230%
45	17.034	2386	2388	2394	rVB	1079522	1285632	13.04%	0.739%
46	17.310	2430	2435	2440	rBV	332189	552701	5.61%	0.318%
47	17.351	2440	2442	2448	rVV4	94216	163983	1.66%	0.094%
48	17.434	2452	2456	2460	rVV2	350205	475390	4.82%	0.273%
49	17.487	2461	2465	2475	rVB3	167418	301047	3.05%	0.173%
50	17.781	2510	2515	2518	rVV	678996	1005965	10.21%	0.579%
51	17.828	2518	2523	2529	rVV	1023819	1458354	14.80%	0.839%
52	17.904	2531	2536	2541	rVV2	264671	472250	4.79%	0.272%
53	17.969	2541	2547	2551	rVV2	982598	1769390	17.95%	1.018%
54	18.010	2551	2554	2562	rVB	487584	682105	6.92%	0.392%
55	18.128	2570	2574	2579	rVB2	350617	433184	4.39%	0.249%
56	18.287	2596	2601	2604	rBV	485912	644541	6.54%	0.371%
57	18.322	2604	2607	2615	rVB2	329001	475876	4.83%	0.274%
58	18.534	2640	2643	2647	rVV	218688	299612	3.04%	0.172%
59	18.587	2649	2652	2656	rVV2	222222	352436	3.58%	0.203%
60	18.628	2656	2659	2663	rVB	162930	211891	2.15%	0.122%
61	18.710	2668	2673	2677	rBV	453659	712521	7.23%	0.410%
62	18.769	2678	2683	2687	rBV2	441863	630240	6.39%	0.362%
63	18.845	2692	2696	2704	rVB2	361070	613951	6.23%	0.353%
64	18.969	2712	2717	2725	rVB	6851092	9439225	95.76%	5.429%
65	19.039	2726	2729	2733	rBV	143614	204562	2.08%	0.118%
66	19.122	2739	2743	2747	rBV2	224993	296740	3.01%	0.171%
67	19.216	2755	2759	2763	rVB2	202264	272356	2.76%	0.157%
68	19.310	2769	2775	2777	rBV2	6480571	9856856	100.00%	5.669%
69	19.334	2777	2779	2787	rVV	5885345	7386842	74.94%	4.249%
70	19.410	2789	2792	2799	rVB2	270081	491894	4.99%	0.283%
71	19.516	2807	2810	2817	rBV	332594	444291	4.51%	0.256%

LSC Area Percent Report

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Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Title : SVOA CALIBRATION

72	19.663	2830	2835	2842	rBV5	461248	1145380	11.62%	0.659%
73	19.804	2854	2859	2861	rBV3	384122	634921	6.44%	0.365%
74	19.834	2861	2864	2871	rVB	942948	1281979	13.01%	0.737%
75	19.892	2871	2874	2878	rBV	325308	395093	4.01%	0.227%
76	19.939	2878	2882	2886	rBV2	624940	760240	7.71%	0.437%
77	19.992	2887	2891	2895	rVV2	594764	829059	8.41%	0.477%
78	20.081	2903	2906	2911	rBV3	131019	180409	1.83%	0.104%
79	20.134	2912	2915	2919	rVB	336171	381827	3.87%	0.220%
80	20.181	2919	2923	2927	rBV2	347145	507223	5.15%	0.292%
81	20.392	2956	2959	2963	rBV2	370851	403031	4.09%	0.232%
82	20.586	2989	2992	2999	rVB	443393	623390	6.32%	0.359%
83	20.751	3015	3020	3024	rBV3	460165	758596	7.70%	0.436%
84	20.792	3024	3027	3030	rBV	460515	488991	4.96%	0.281%
85	20.851	3030	3037	3042	rBV3	2544723	4113457	41.73%	2.366%
86	21.098	3074	3079	3084	rBV2	4375765	8682584	88.09%	4.994%
87	21.145	3084	3087	3098	rVB	2682953	3511308	35.62%	2.020%
88	21.257	3104	3106	3109	rBV	313599	370139	3.76%	0.213%
89	21.298	3109	3113	3119	rVV2	833373	1036063	10.51%	0.596%
90	21.651	3170	3173	3176	rVB	480093	567863	5.76%	0.327%
91	21.722	3181	3185	3194	rVB3	1314323	2226690	22.59%	1.281%
92	21.957	3223	3225	3229	rVB	473847	524613	5.32%	0.302%
93	22.163	3256	3260	3264	rVB	1122871	1393833	14.14%	0.802%
94	22.616	3332	3337	3338	rBV	1911676	2513062	25.50%	1.445%
95	23.063	3409	3413	3417	rBV	895545	1465795	14.87%	0.843%
96	23.116	3417	3422	3426	rVV	3003484	5094731	51.69%	2.930%
97	23.157	3426	3429	3437	rVB2	1762239	3733980	37.88%	2.148%
98	23.245	3438	3444	3449	rBV	1911821	3418749	34.68%	1.966%
99	23.774	3530	3534	3541	rVB	1097443	2035932	20.65%	1.171%
100	23.857	3544	3548	3558	rVB2	704578	1394541	14.15%	0.802%

Sum of corrected areas: 173865459

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122619\
Data File : BN009187.D
Acq On : 26 Dec 2019 23:52
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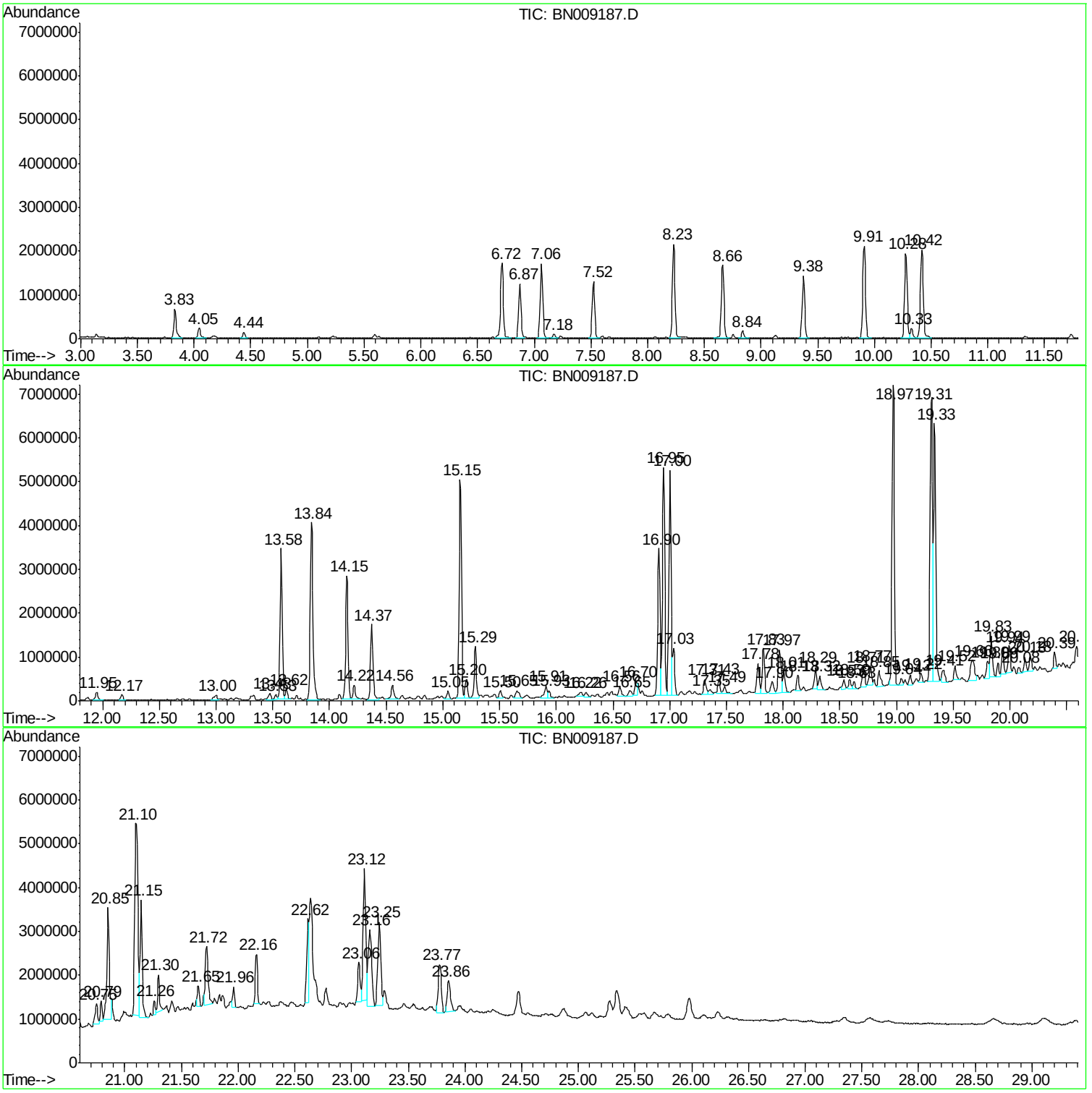
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122619\
Data File : BN009187.D
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Instrument : BNA_N
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

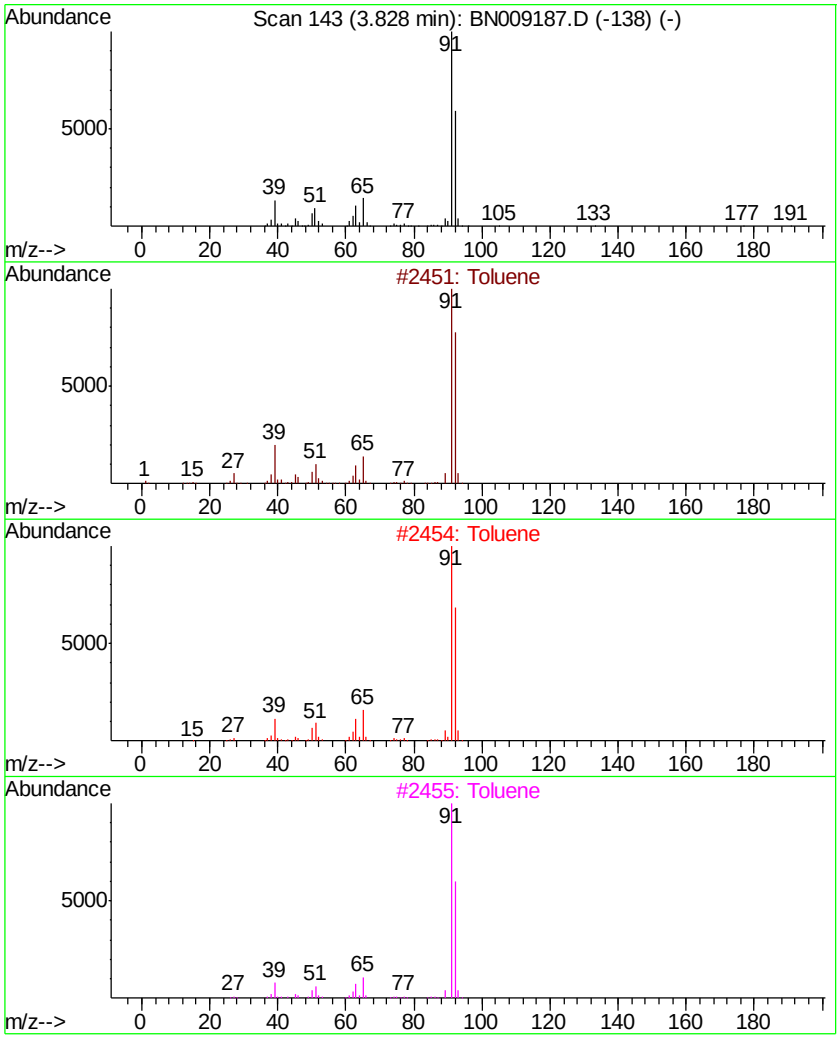
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

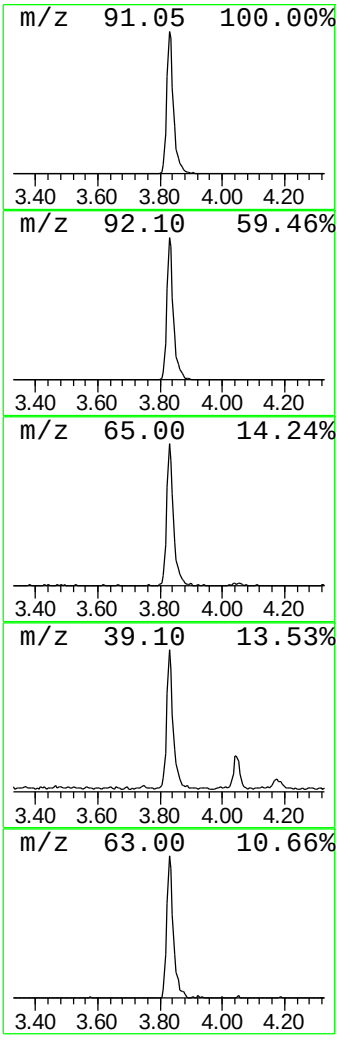
****

Peak Number 1 Toluene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.83	9.74 ng/ul	1004560	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	95
2	Toluene	92	C7H8	000108-88-3	94
3	Toluene	92	C7H8	000108-88-3	91
4	Toluene	92	C7H8	000108-88-3	91
5	Spiro[2,4]hepta-4,6-diene	92	C7H8	000765-46-8	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122619\
Data File : BN009187.D
Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
Misc :
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Instrument : BNA_N
ClientSampleId : CB5S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

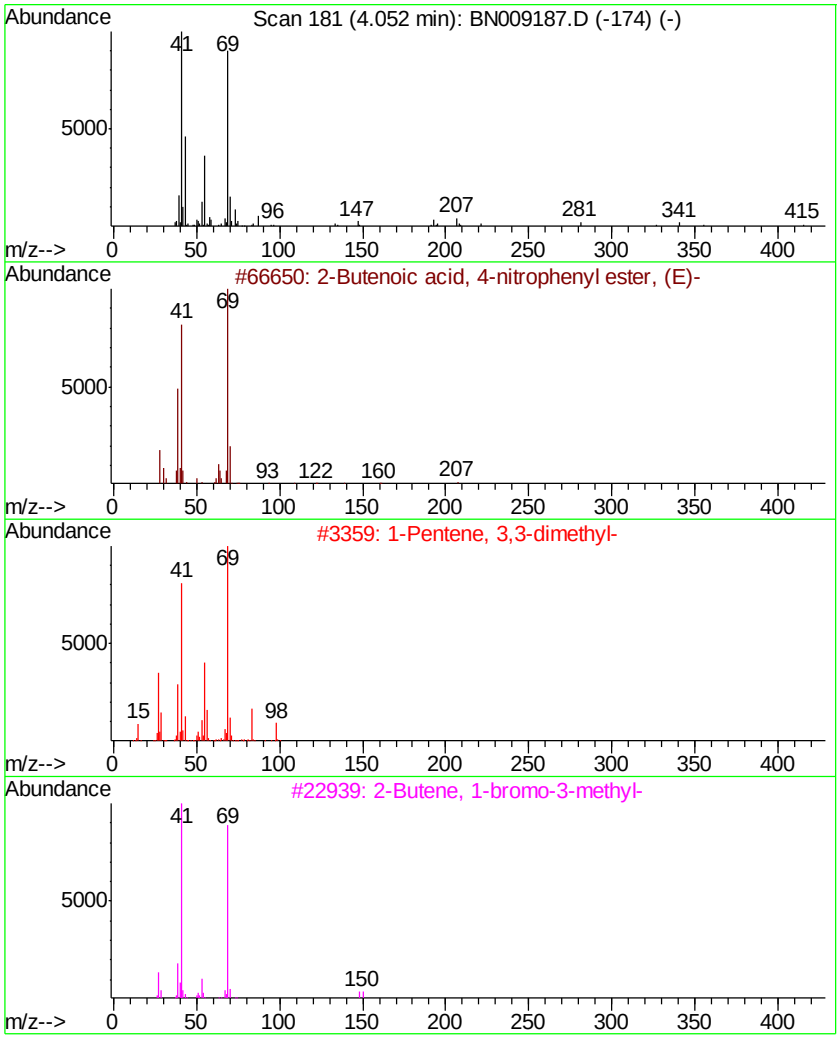
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

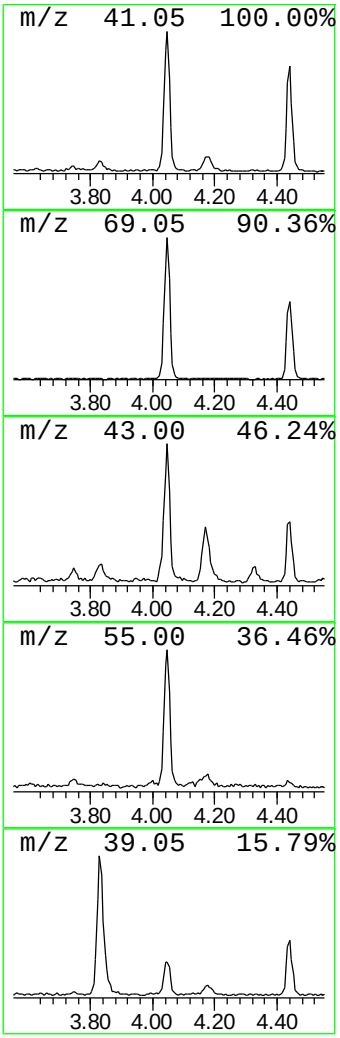
****

Peak Number 2 2-Butenoic acid, 4-nitrophe... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.05	2.99 ng/ul	307866	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenoic acid, 4-nitrophenyl e...	207	C10H9NO4	014617-88-0	59
2	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	56
3	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	50
4	3-Butyn-2-ol, 2-methyl-	84	C5H8O	000115-19-5	50
5	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	42





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

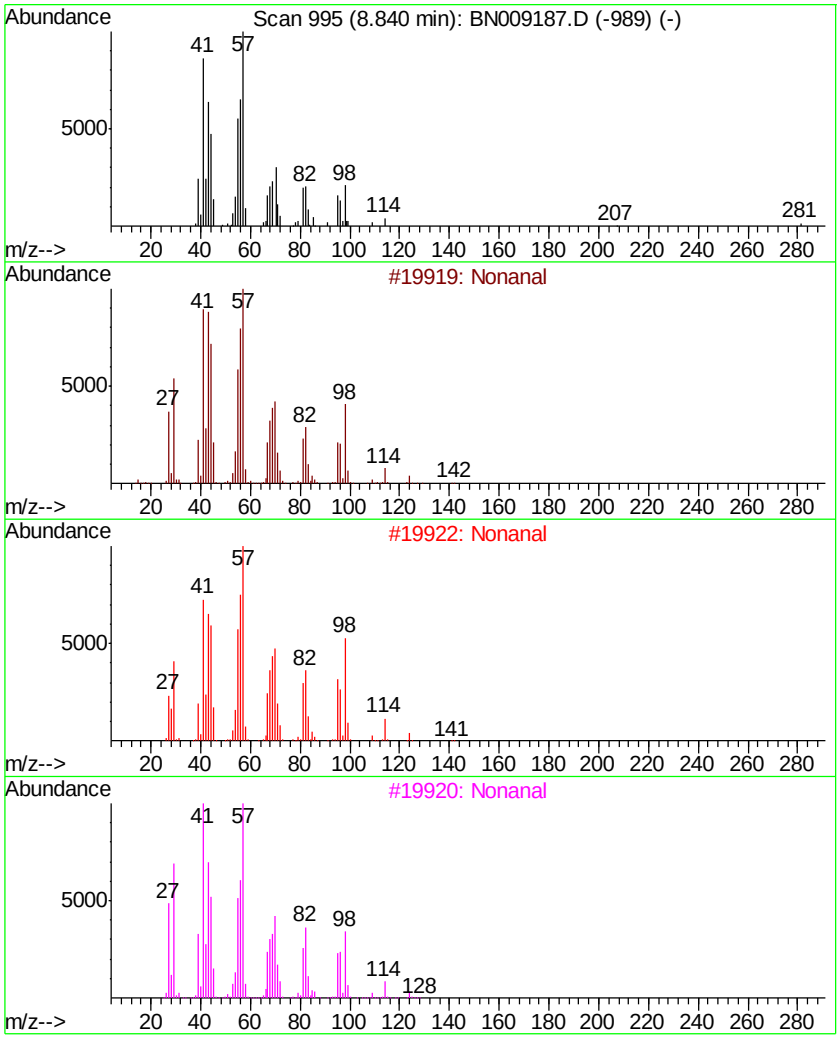
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

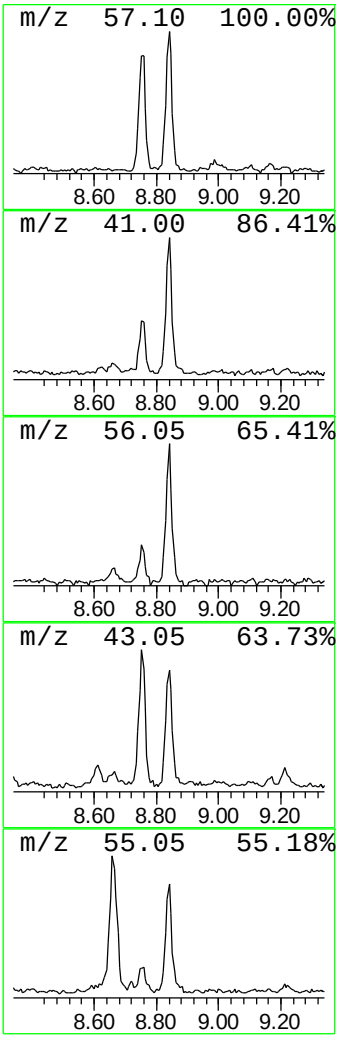
****

Peak Number 3 Nonanal Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	2.54 ng/ul	262159	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	90
2	Nonanal	142	C9H18O	000124-19-6	78
3	Nonanal	142	C9H18O	000124-19-6	59
4	2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	35
5	2-Hepten-1-ol, (E)-	114	C7H14O	033467-76-4	30





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

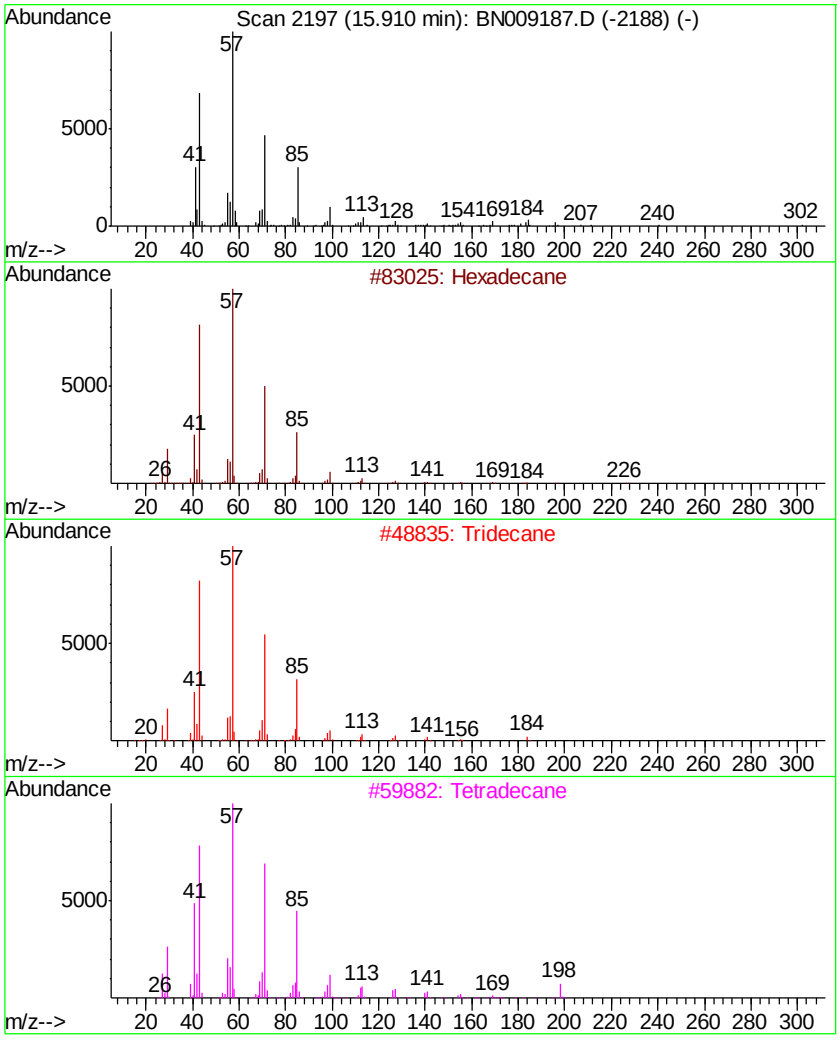
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

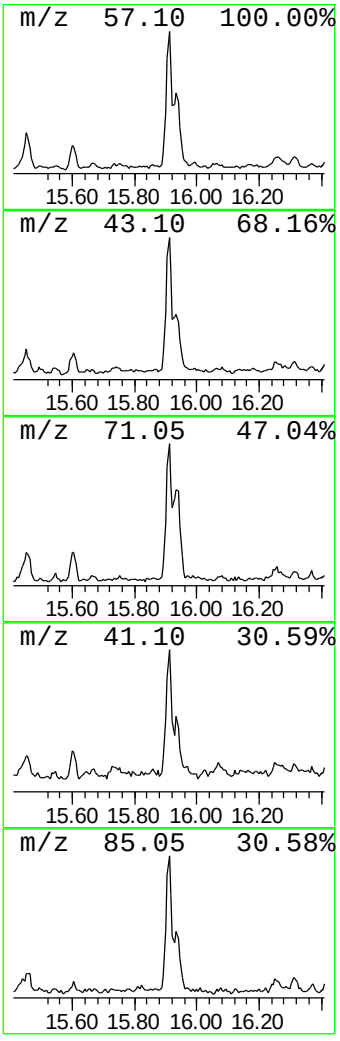
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	2.01 ng/ul	472540	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	87
2	Tridecane	184	C13H28	000629-50-5	87
3	Tetradecane	198	C14H30	000629-59-4	80
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	80
5	Undecane, 3-ethyl-	184	C13H28	017312-58-2	80





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Data File : BN009187.D
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Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

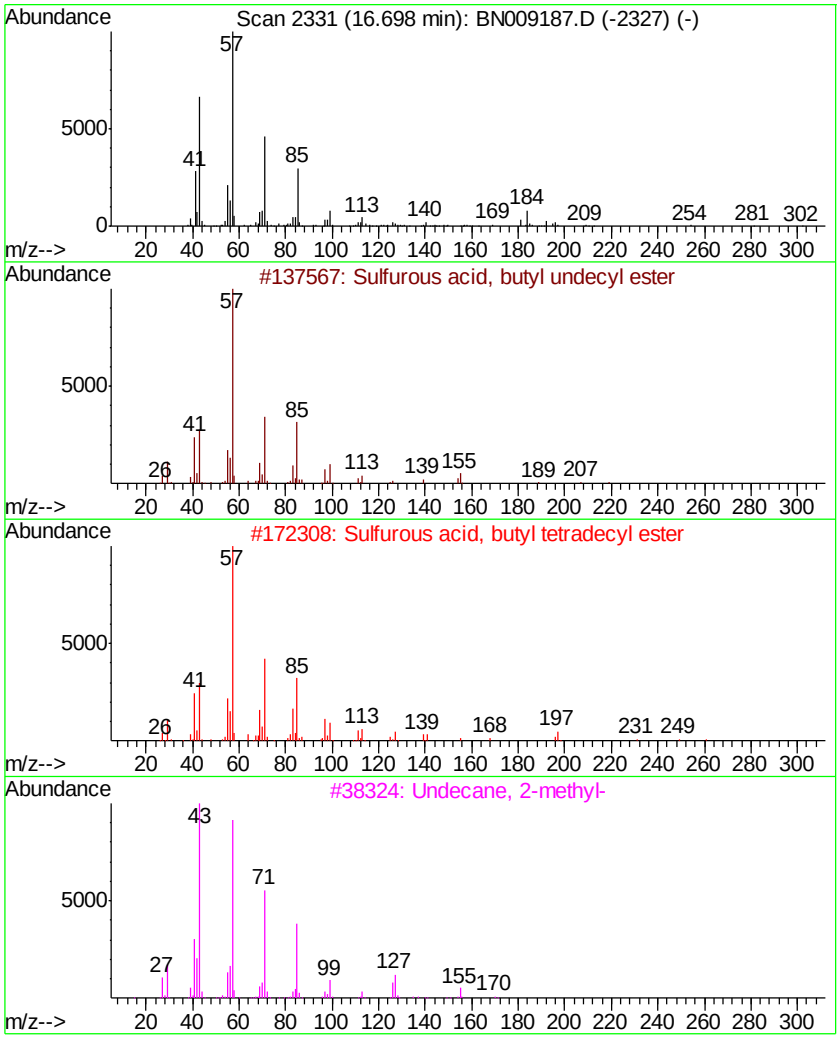
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

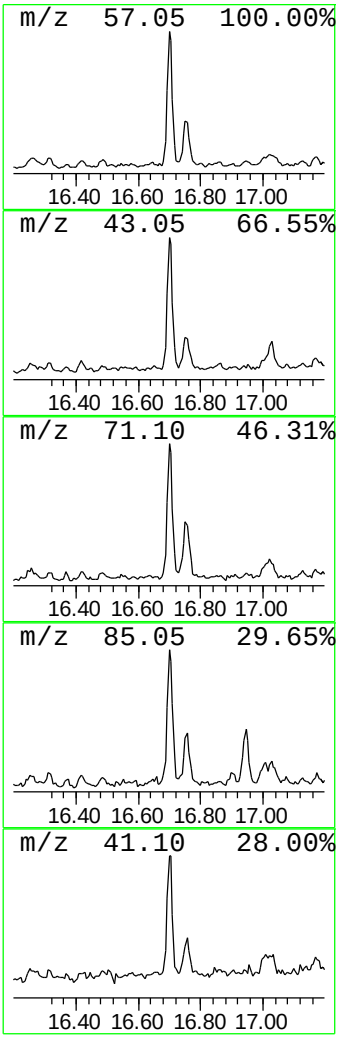
****

Peak Number 5 Sulfurous acid, butyl undec... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	2.24 ng/ul	525304	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	64
2	Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	59
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	58
4	Hexadecane	226	C16H34	000544-76-3	58
5	Tridecane	184	C13H28	000629-50-5	58





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Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

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Quant Title : SVOA CALIBRATION

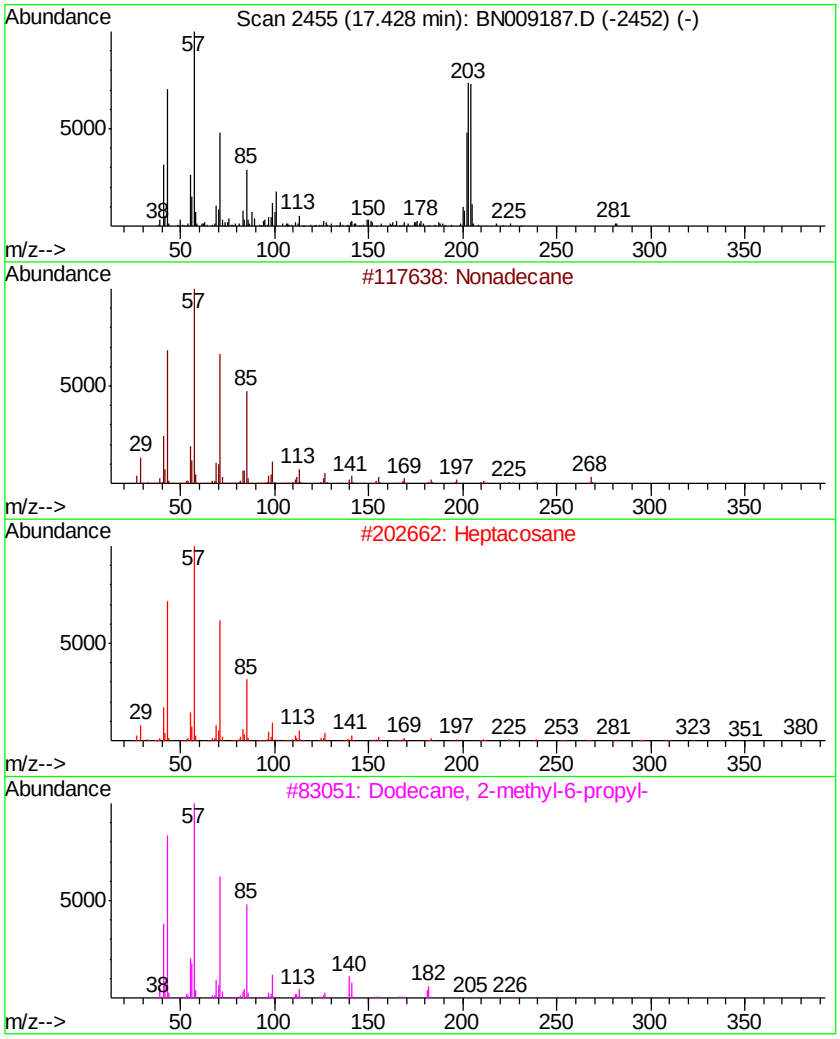
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

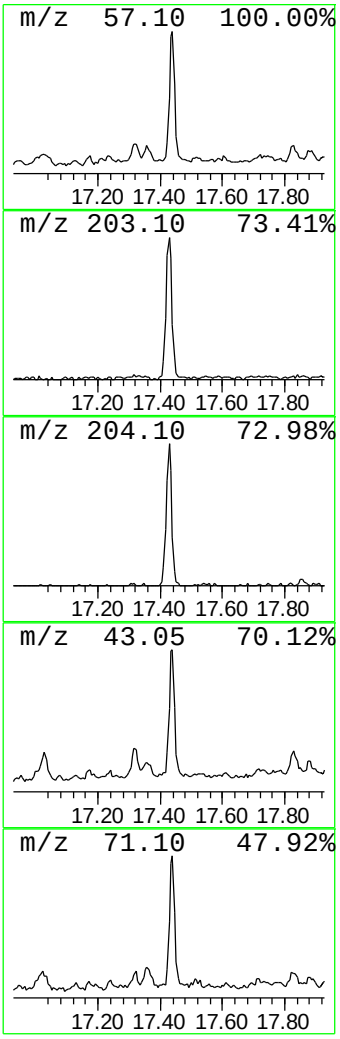
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	2.03 ng/ul	475390	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	87
2	Heptacosane	380	C27H56	000593-49-7	60
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	49
4	Octacosane	394	C28H58	000630-02-4	46
5	Hexadecane	226	C16H34	000544-76-3	46





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Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

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Quant Title : SVOA CALIBRATION

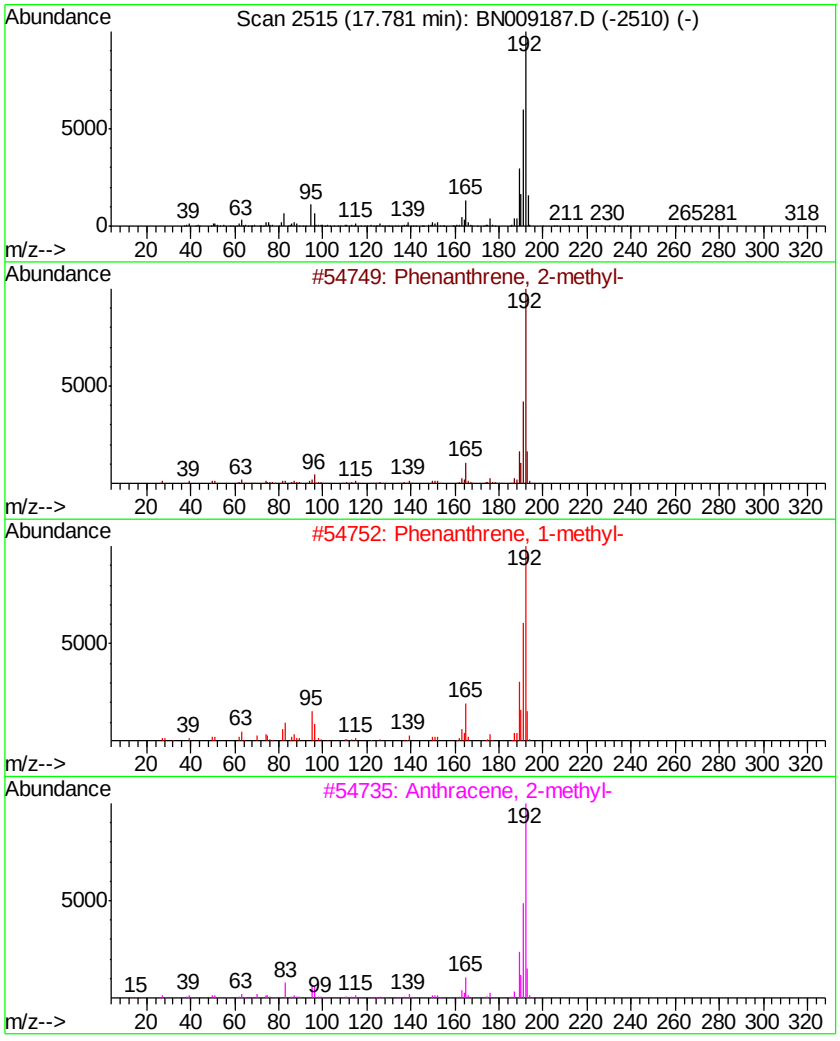
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

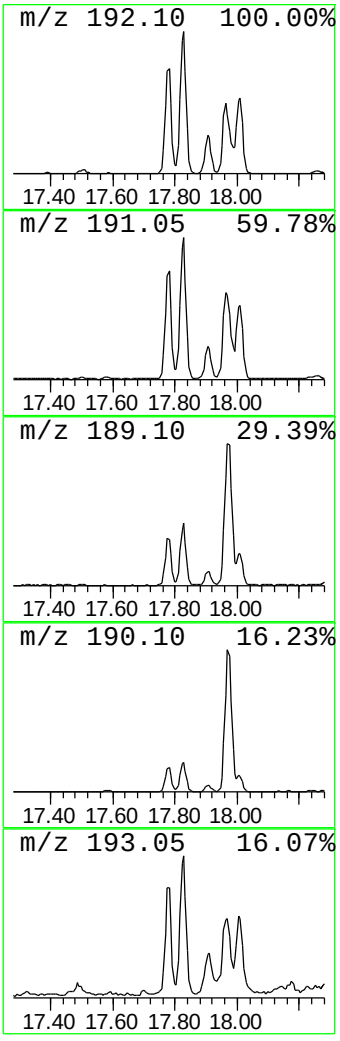
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	4.29 ng/ul	1005970	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

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Quant Title : SVOA CALIBRATION

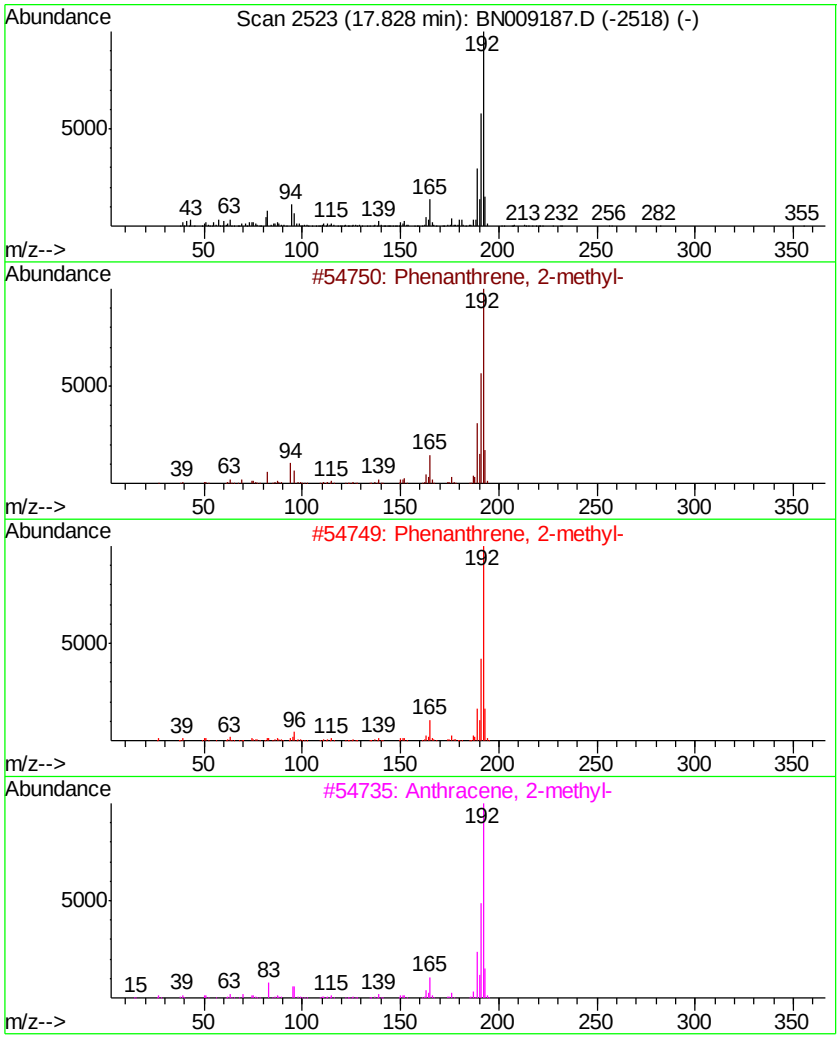
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

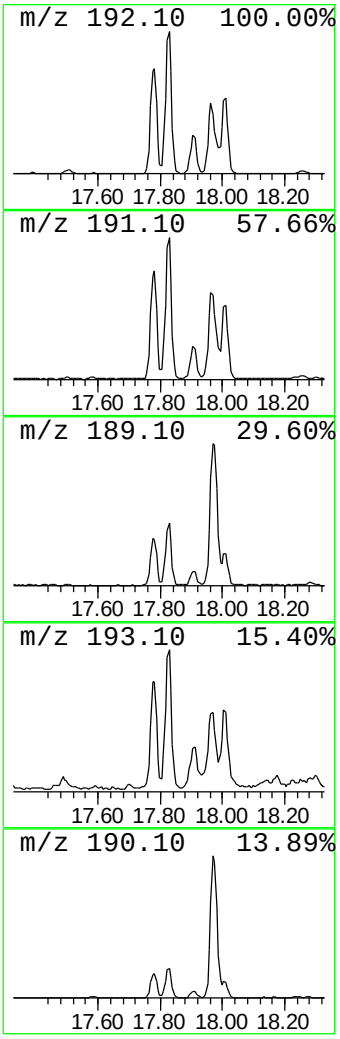
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	6.22 ng/ul	1458350	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

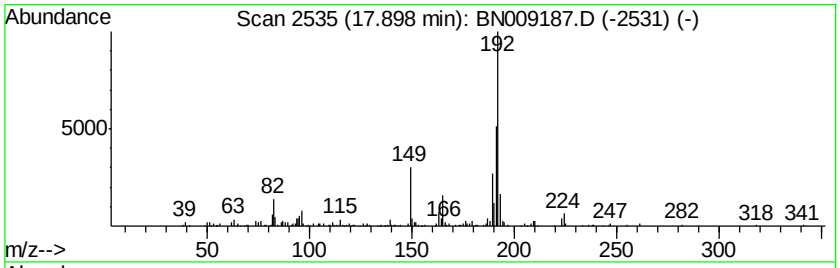
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

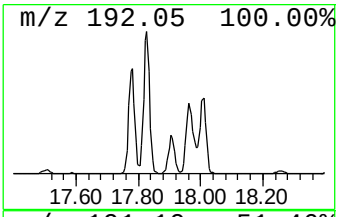
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

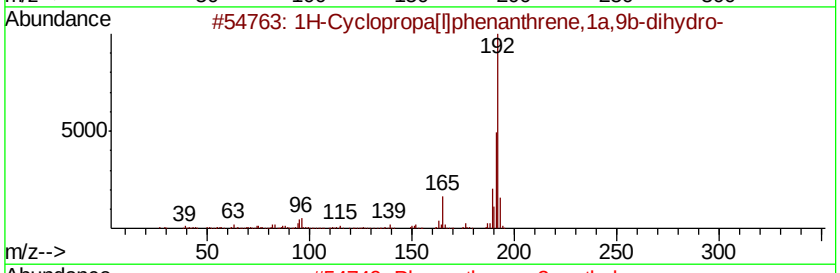
****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 25

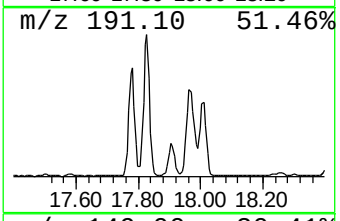
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	2.01 ng/ul	472250	Phenanthrene-d10	16.90

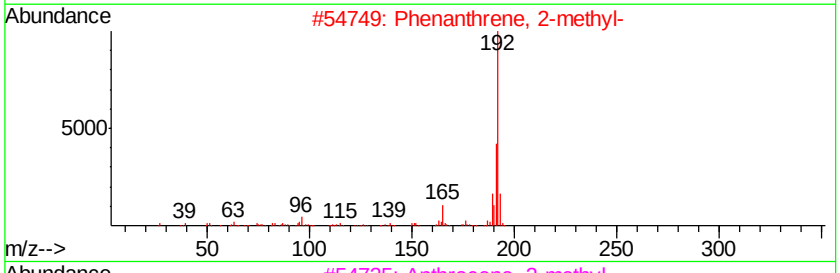
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96

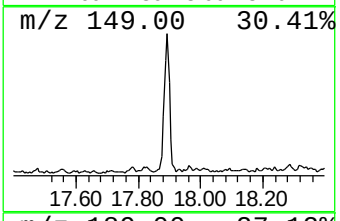


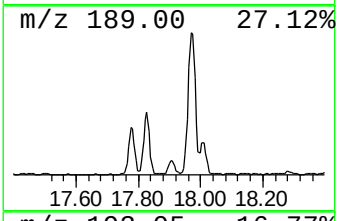


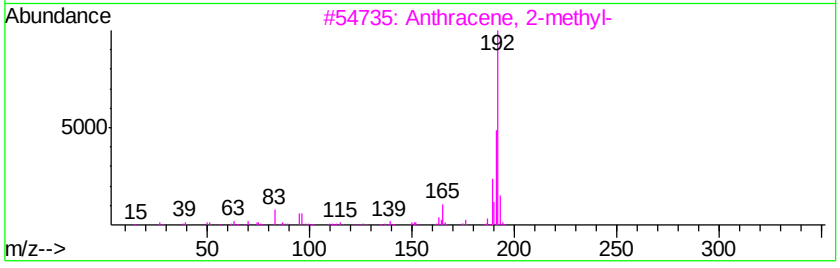


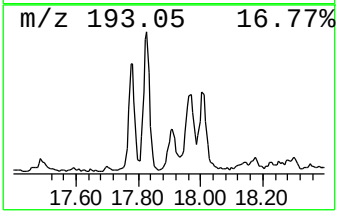












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Data File : BN009187.D
Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

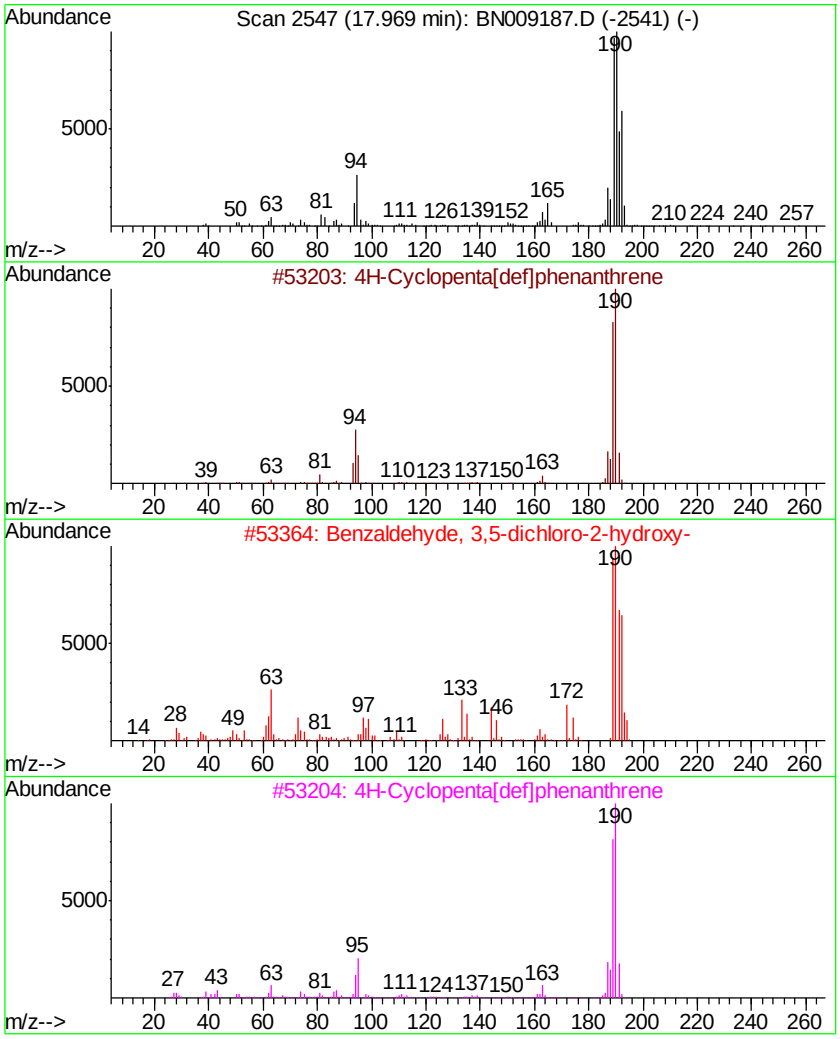
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

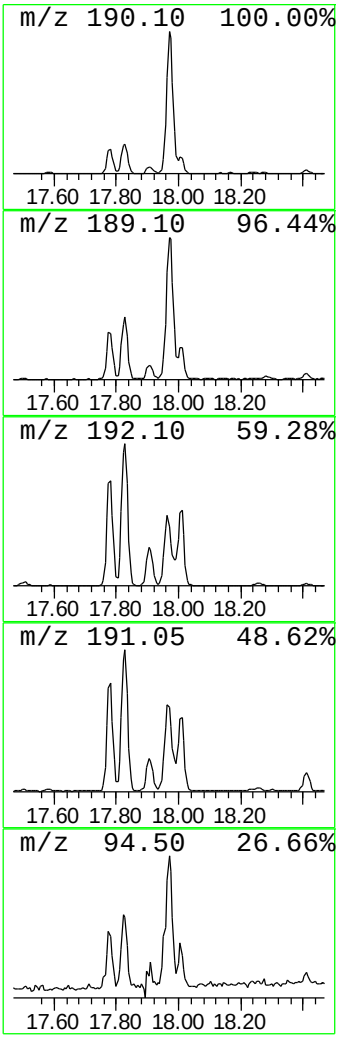
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	7.54 ng/ul	1769390	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27





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Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

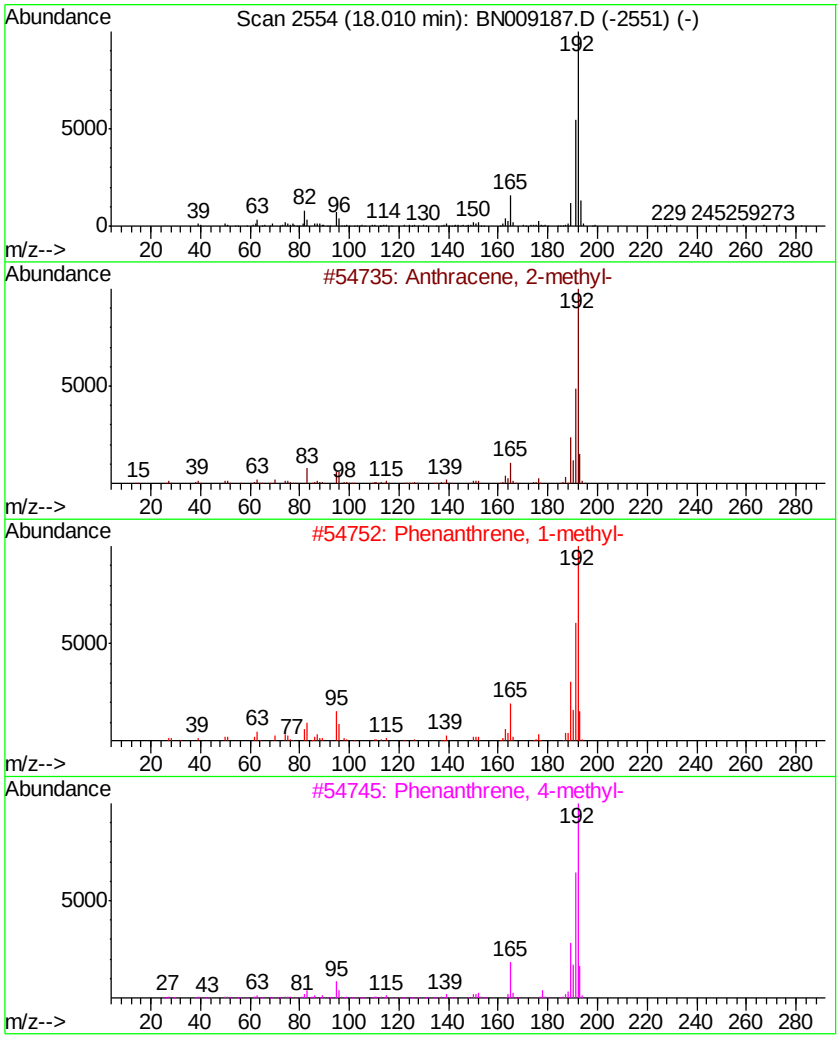
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

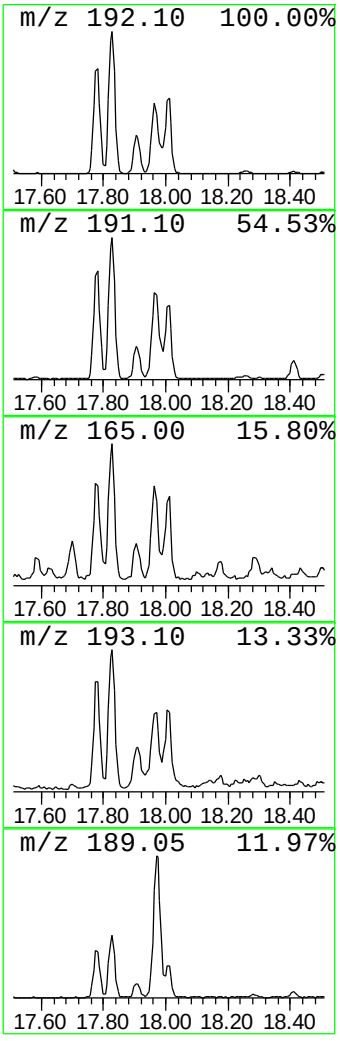
****

Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	2.91 ng/ul	682105	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

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Quant Title : SVOA CALIBRATION

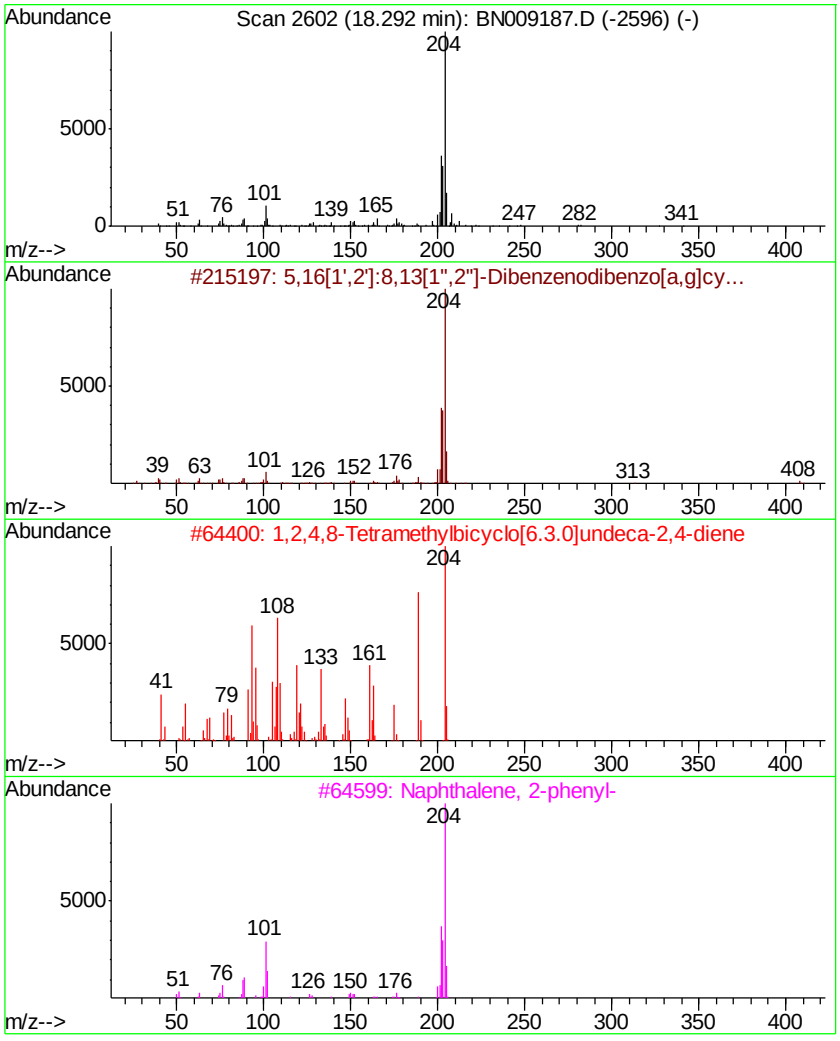
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

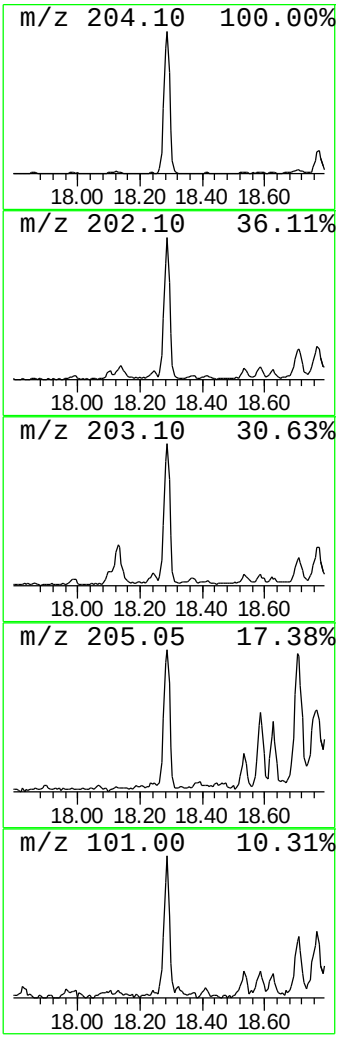
****

Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	2.75 ng/ul	644541	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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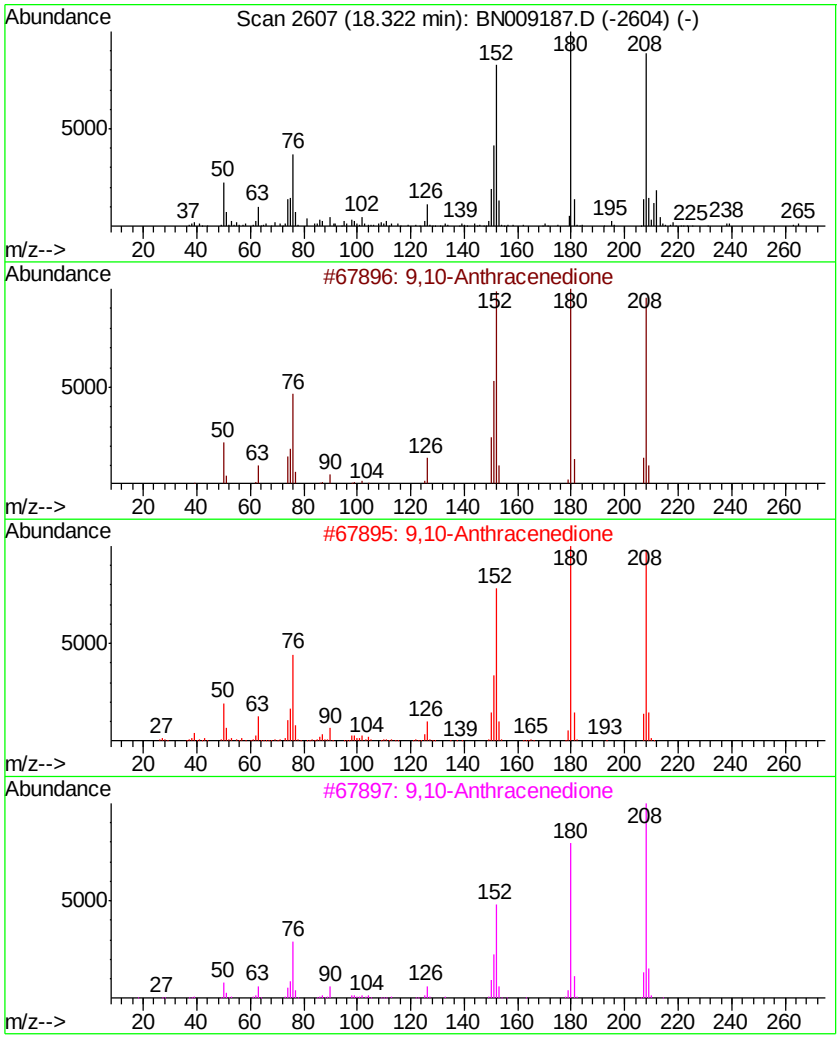
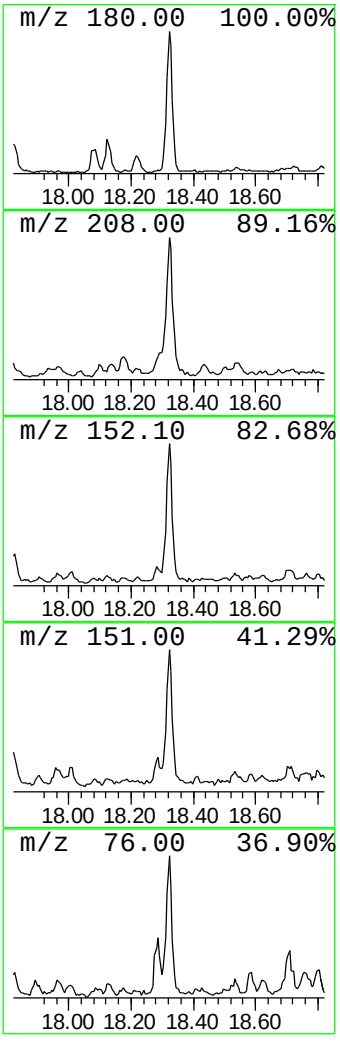
Peak Number 13 9,10-Anthracenedione Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	2.03 ng/ul	475876	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	70





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Quant Title : SVOA CALIBRATION

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

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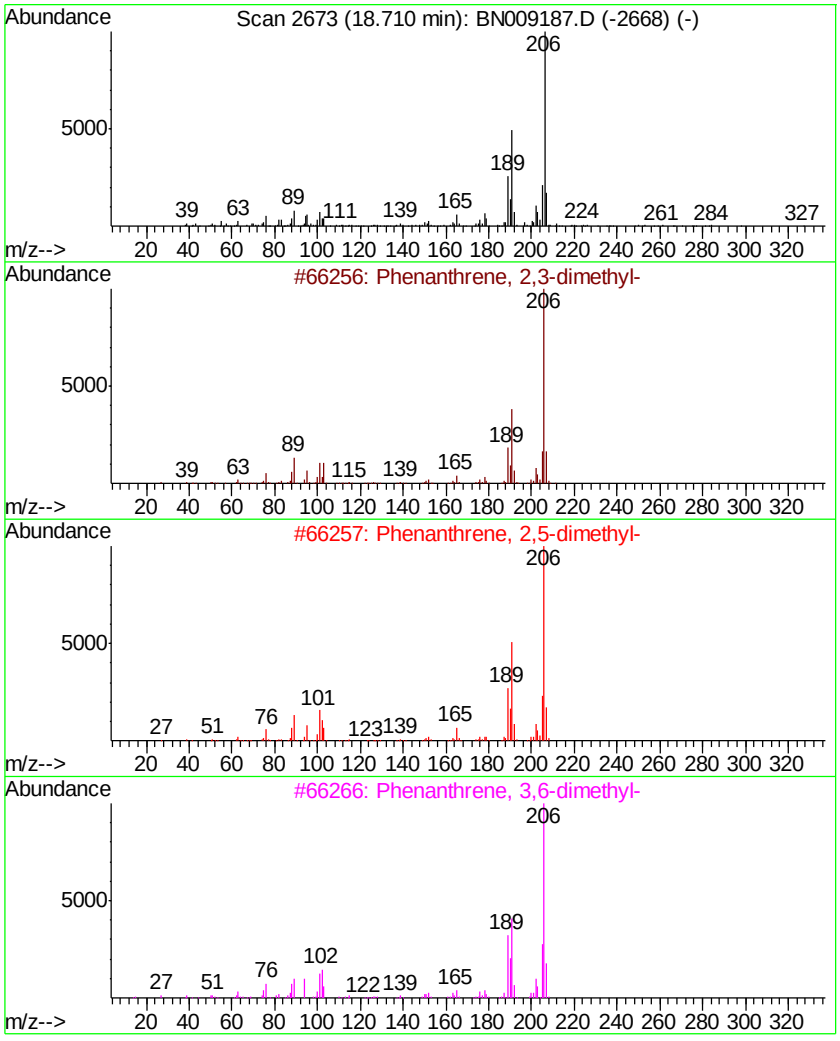
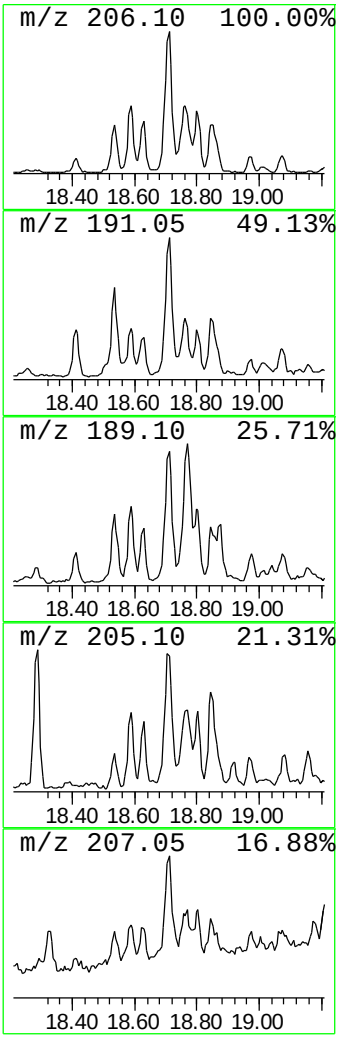
Peak Number 14 Phenanthrene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	3.04 ng/ul	712521	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86





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Quant Title : SVOA CALIBRATION

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

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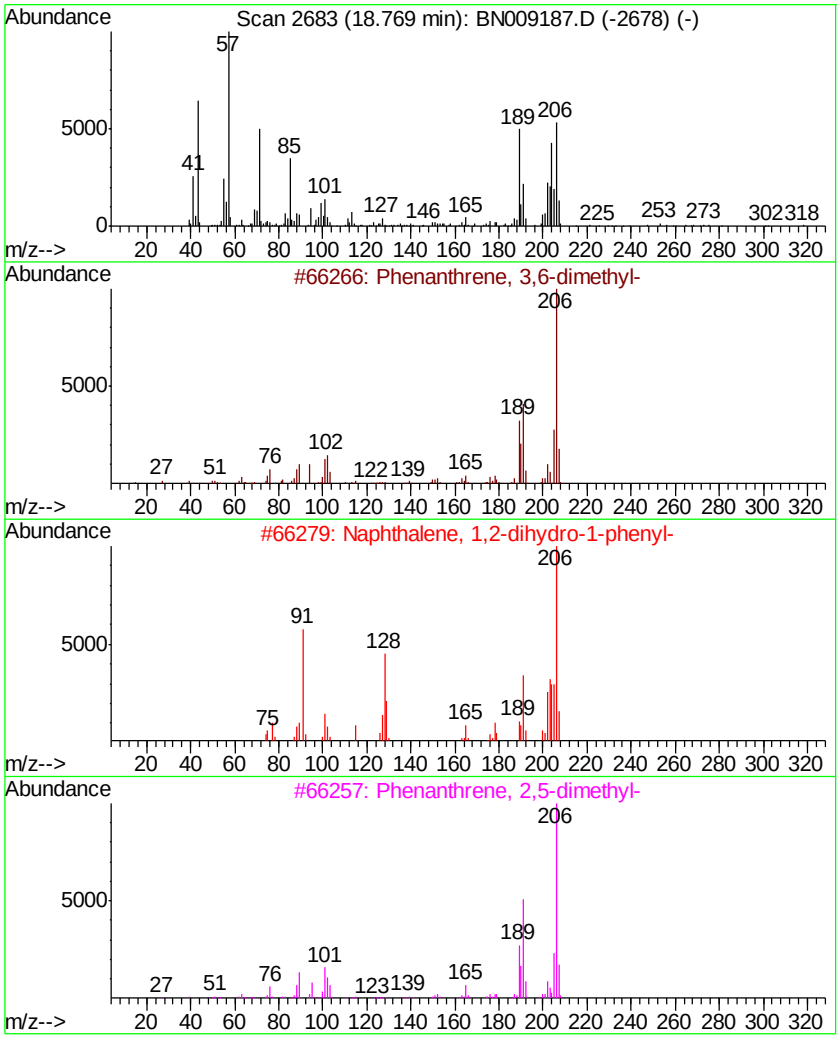
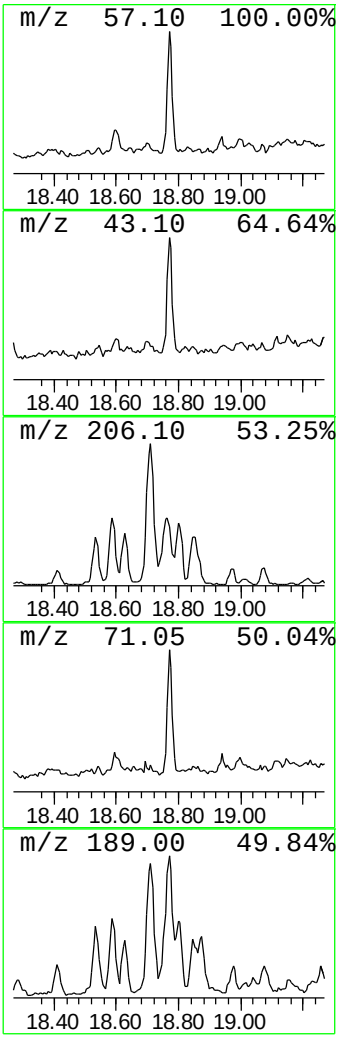
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	2.69 ng/ul	630240	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	30
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	18
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	18





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Data File : BN009187.D
Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

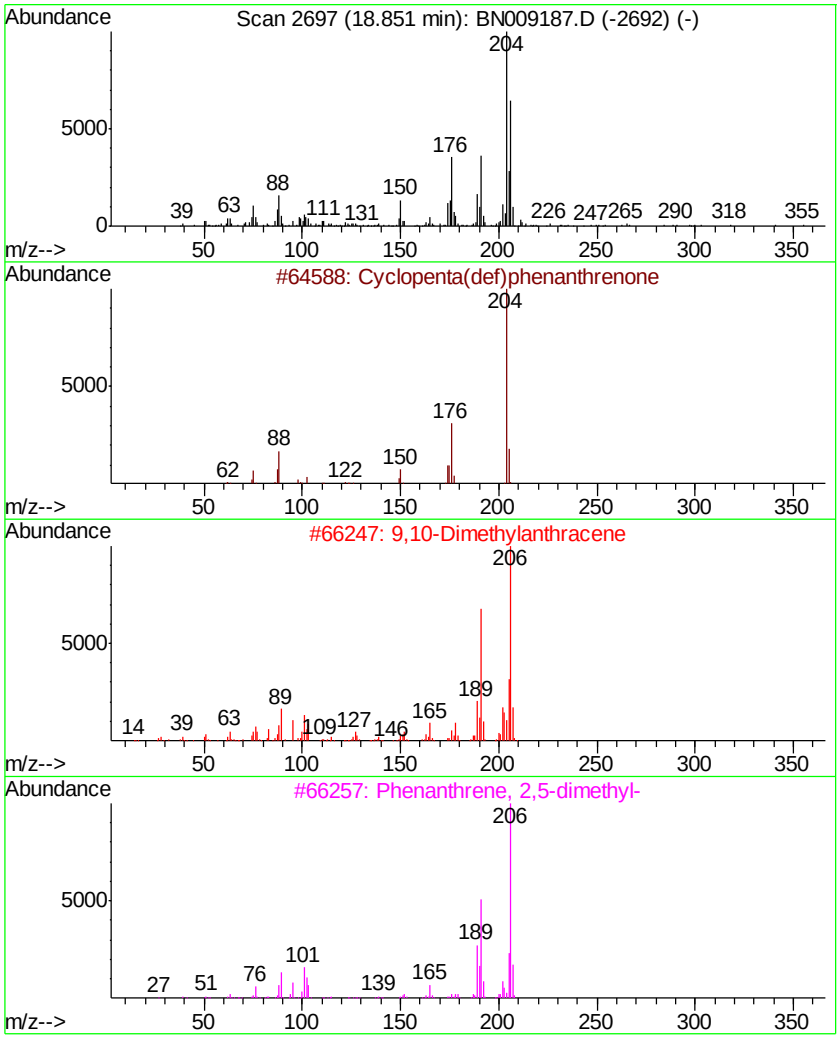
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

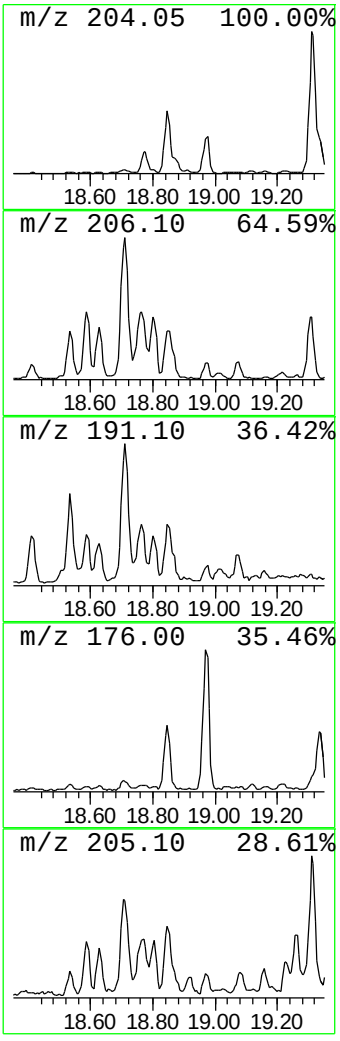
****

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.62 ng/ul	613951	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	47
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	38
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38





Library Search Compound Report

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Data File : BN009187.D
Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

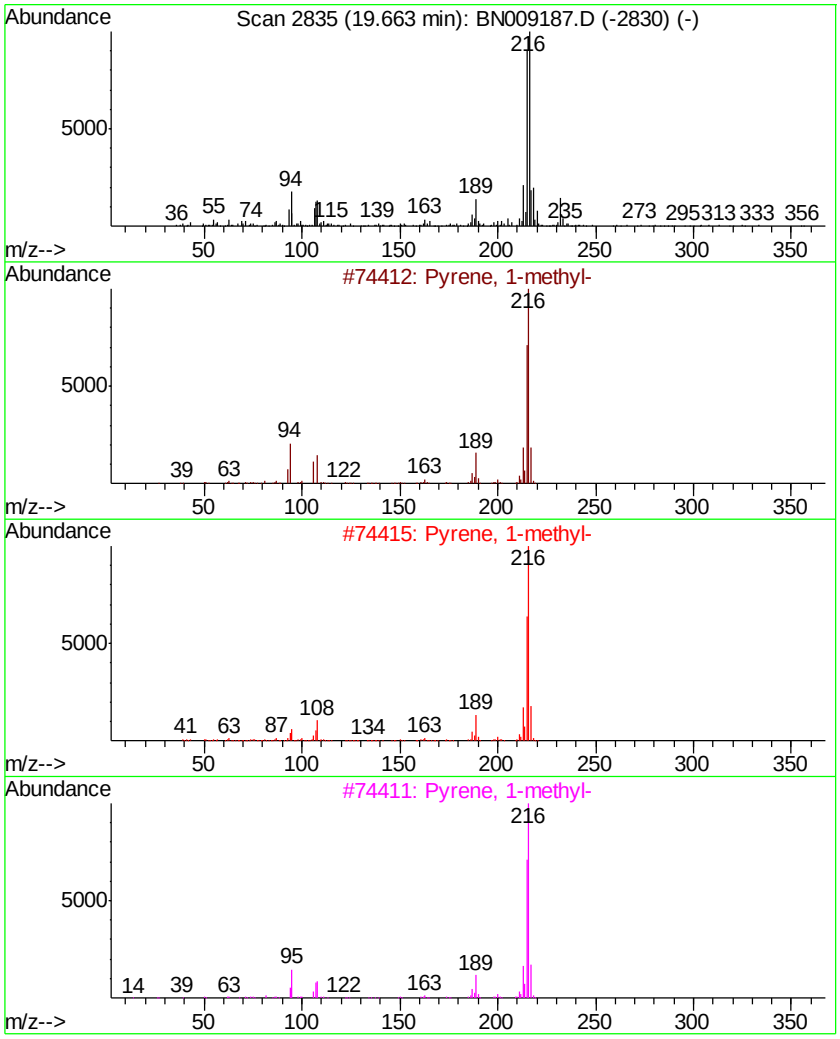
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

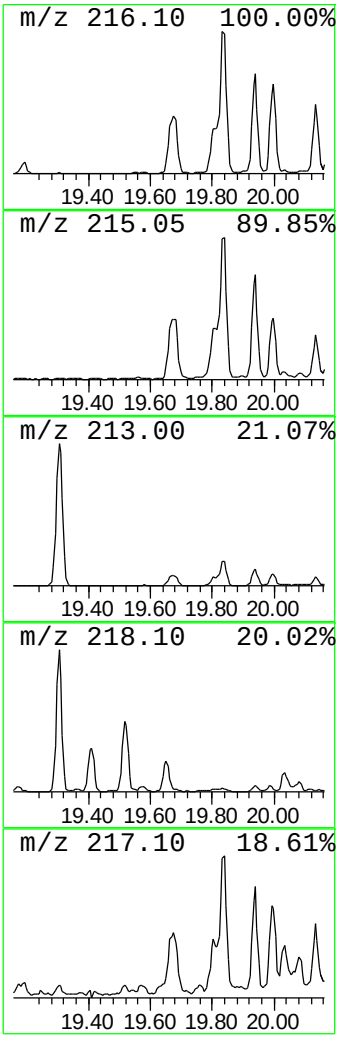
****

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.66	2.64 ng/ul	1145380	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	92
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92





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Sample : K6381-11
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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

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Quant Title : SVOA CALIBRATION

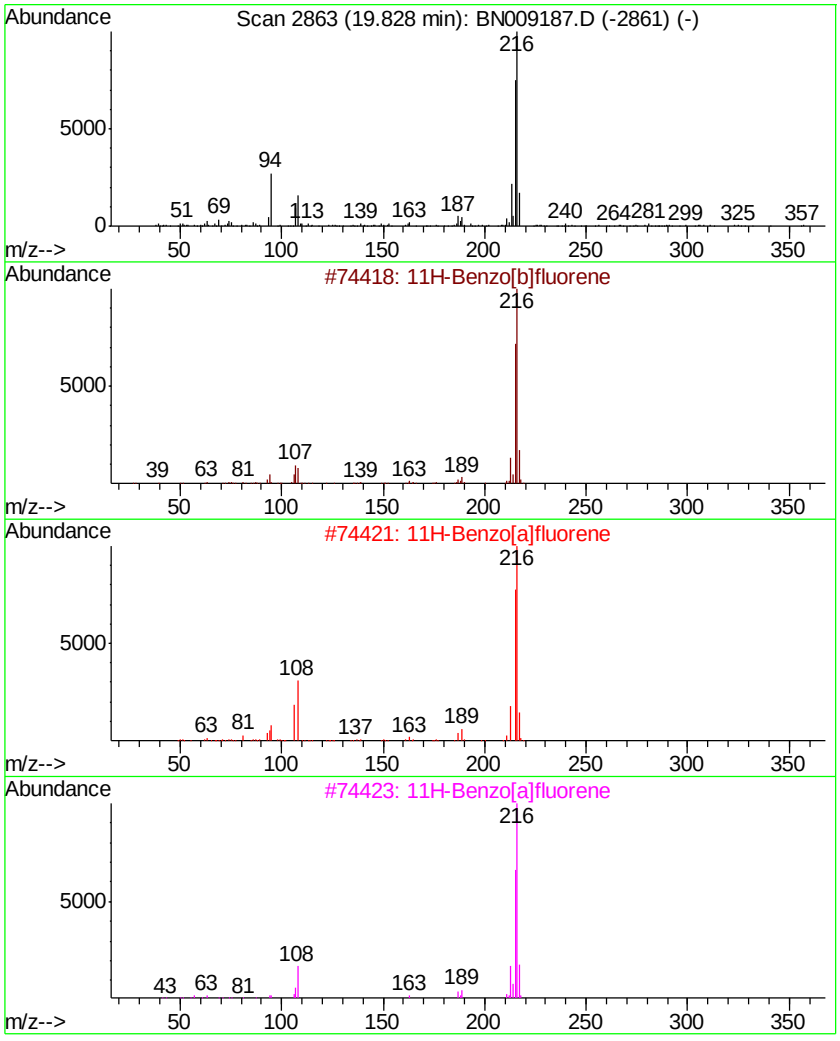
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

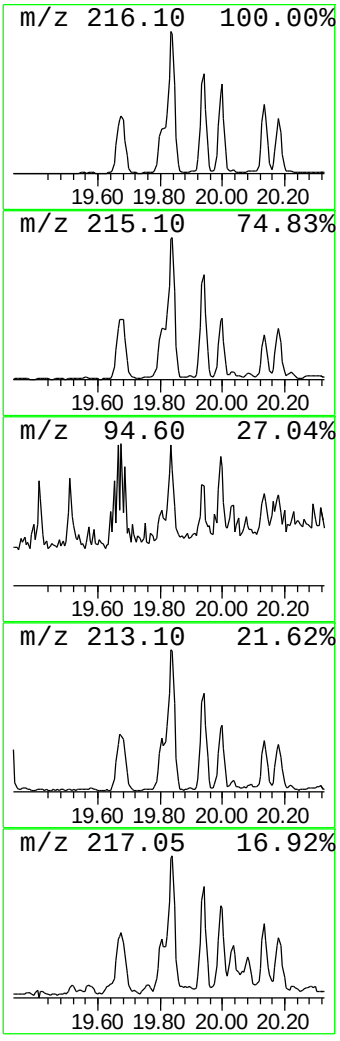
****

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.95 ng/ul	1281980	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





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Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

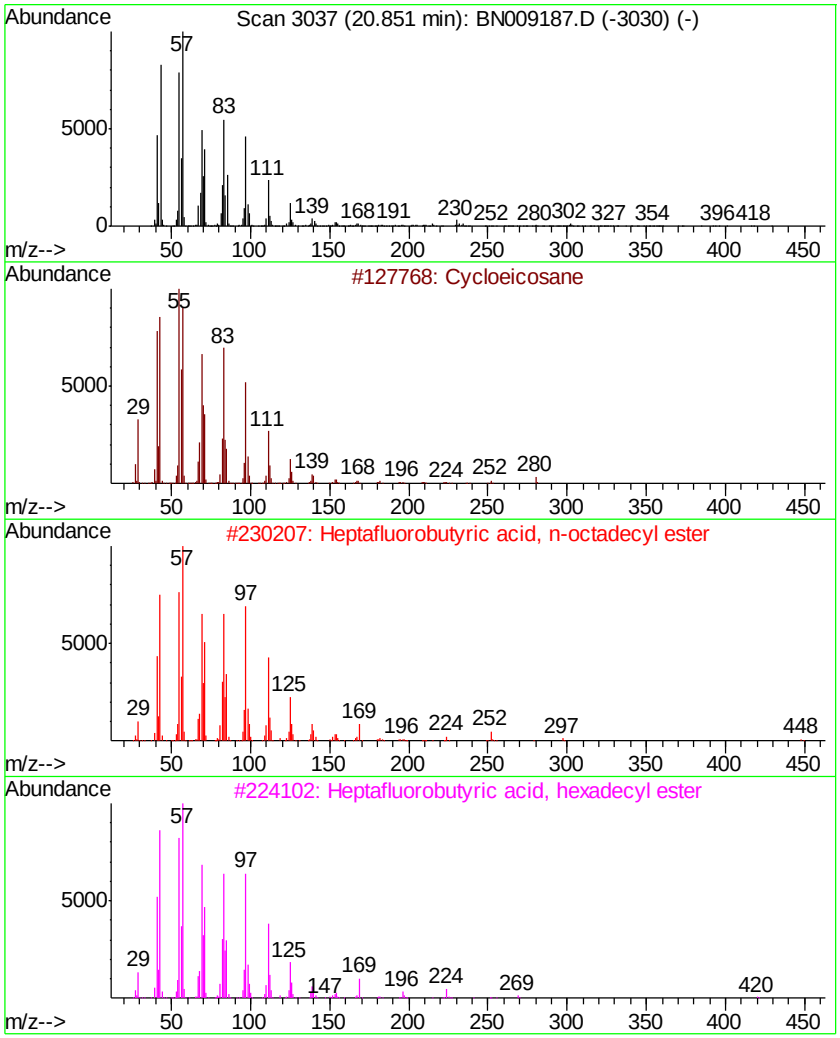
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

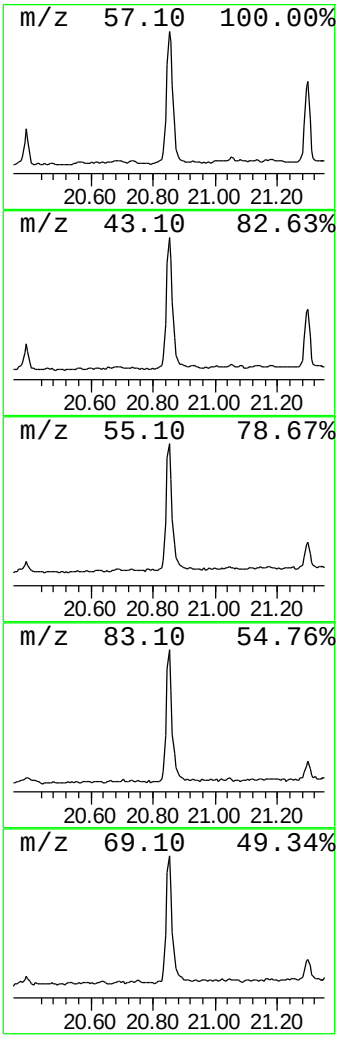
****

Peak Number 19 (DEL) Alkane: Cyclic20.85 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	9.48 ng/ul	4113460	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	92
2	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	91
4	17-Pentatriacontene	491	C35H70	006971-40-0	91
5	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	91





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Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

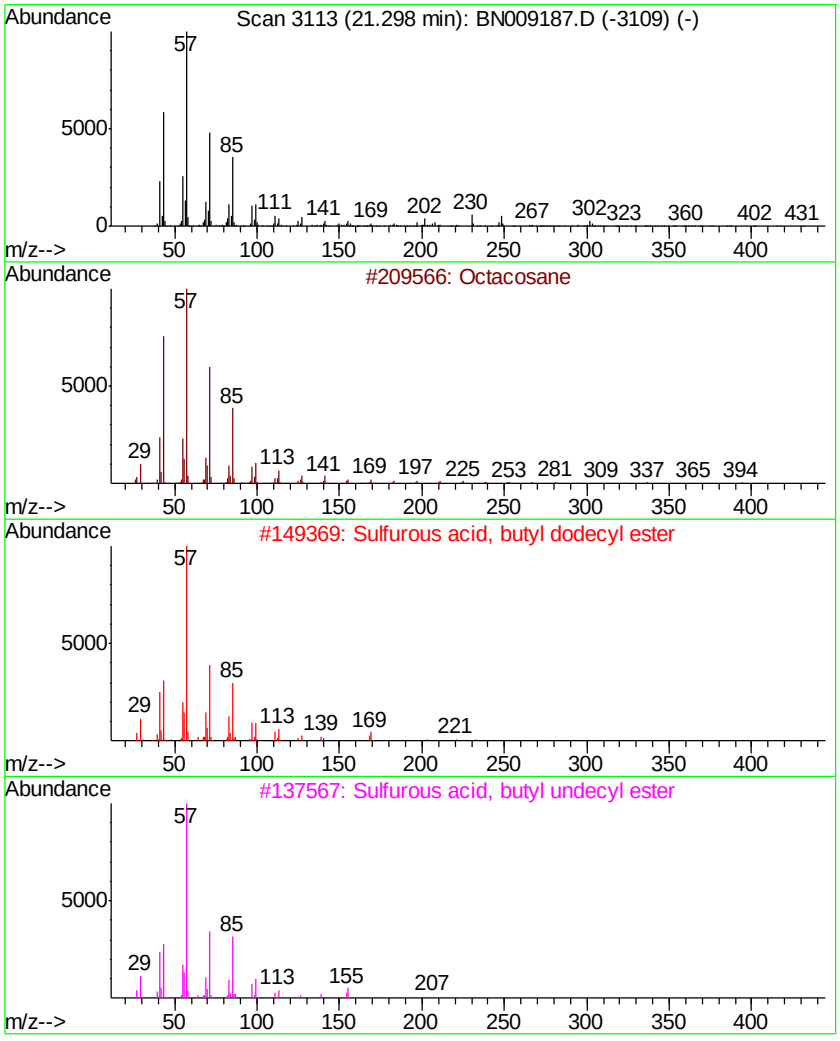
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

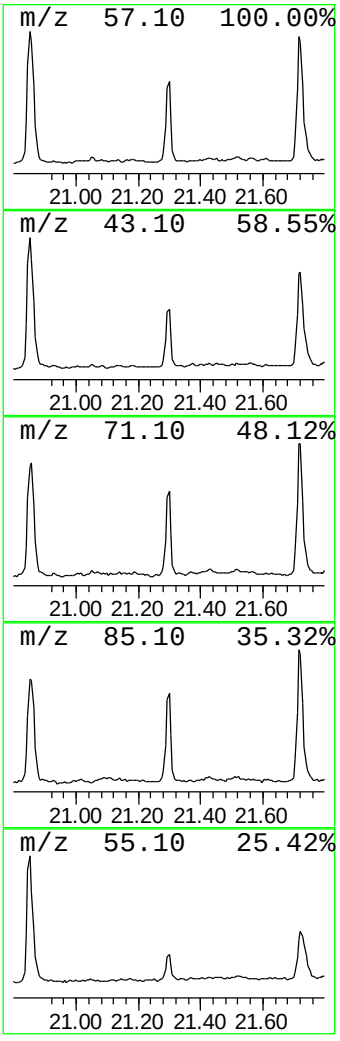
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.39 ng/ul	1036060	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	87
2	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	83
3	Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	80
4	Tetracosane	338	C24H50	000646-31-1	74
5	Heptacosane	380	C27H56	000593-49-7	74





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Data File : BN009187.D
Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

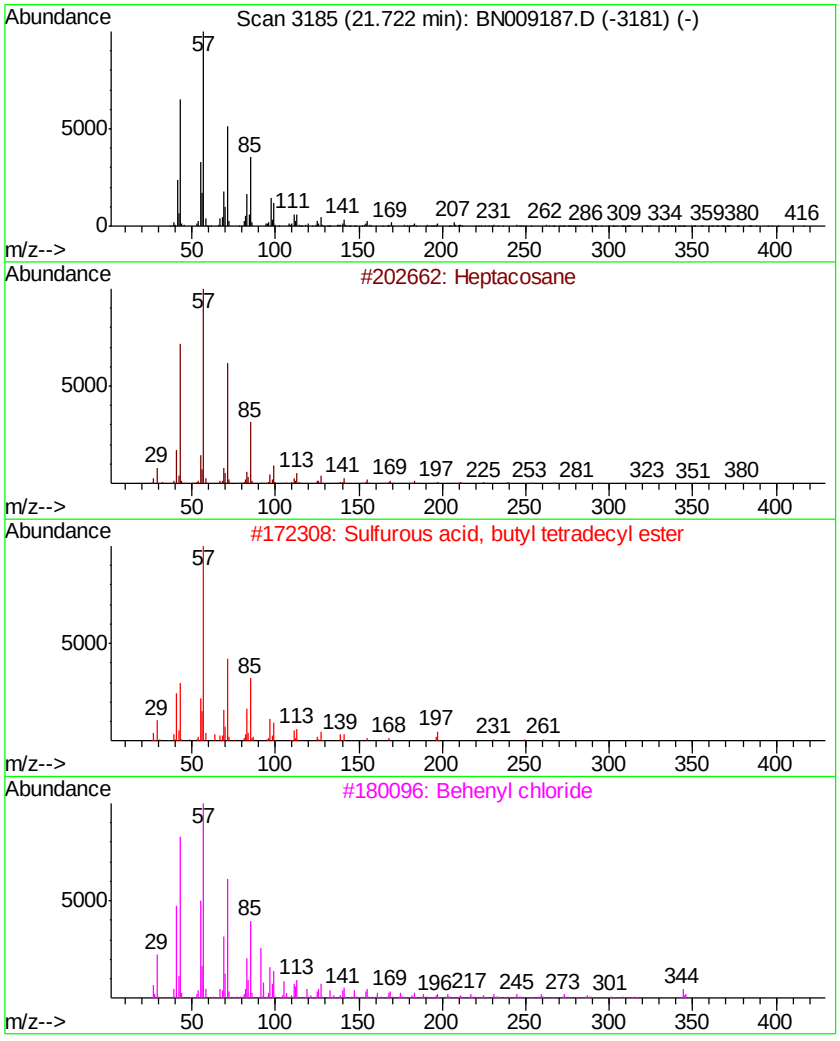
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

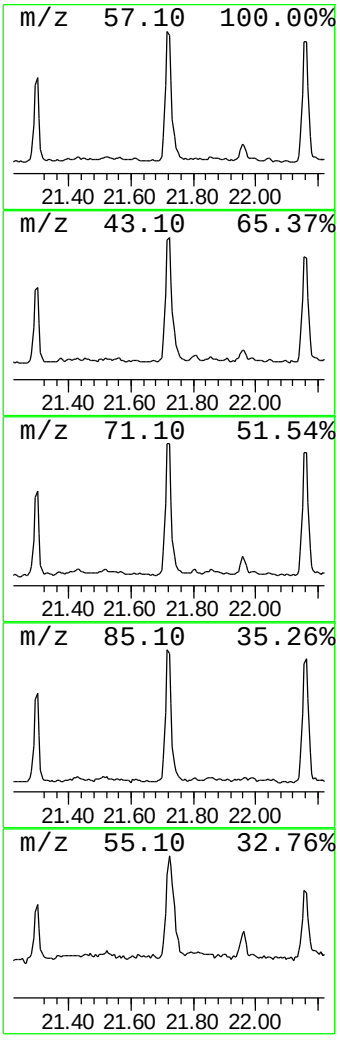
****

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.72	5.13 ng/ul	2226690	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	95
2	Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	91
3	Behenyl chloride	344	C22H45Cl	042217-03-8	91
4	Tetratetracontane	619	C44H90	007098-22-8	91
5	Tritetracontane	605	C43H88	007098-21-7	91





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Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

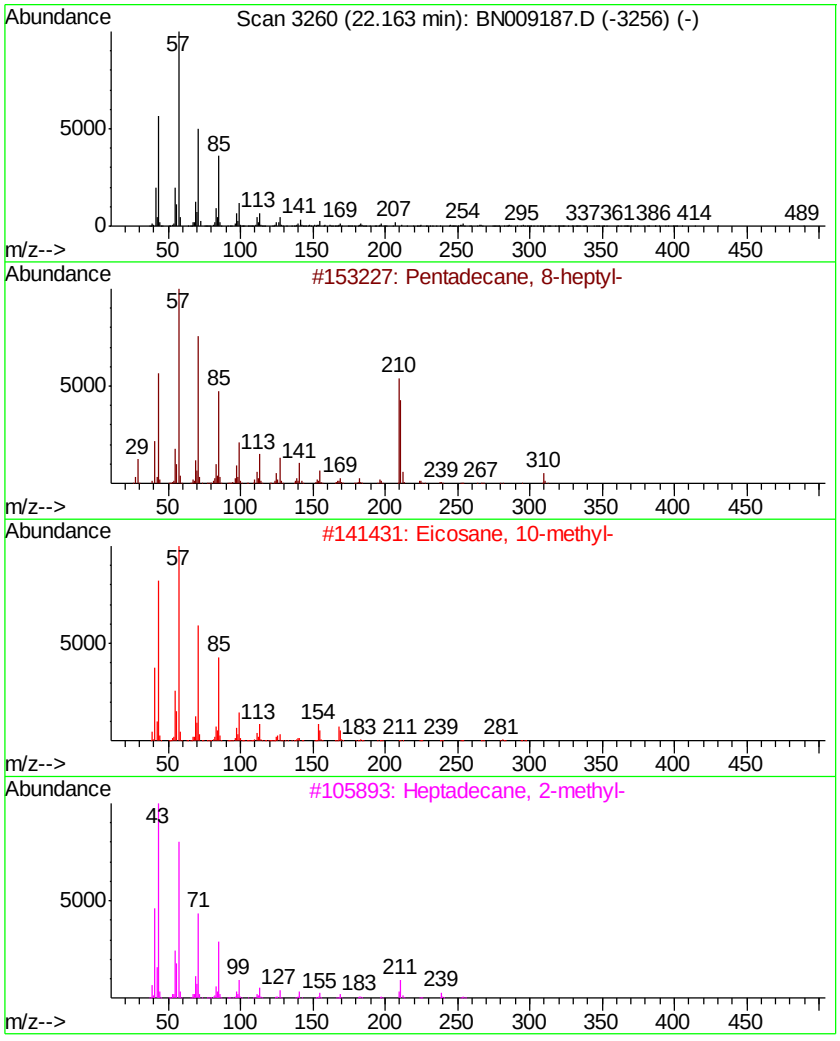
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

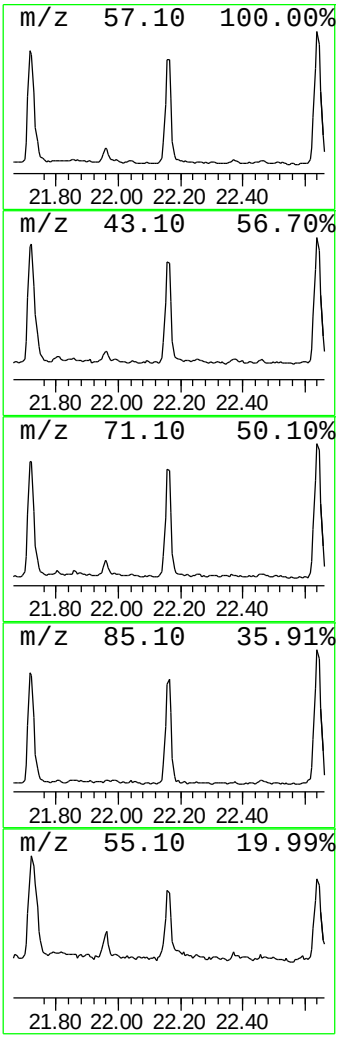
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.16	3.21 ng/ul	1393830	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	95
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	93
4	Hentriacontane	437	C31H64	000630-04-6	91
5	Heptacosane	380	C27H56	000593-49-7	91





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Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

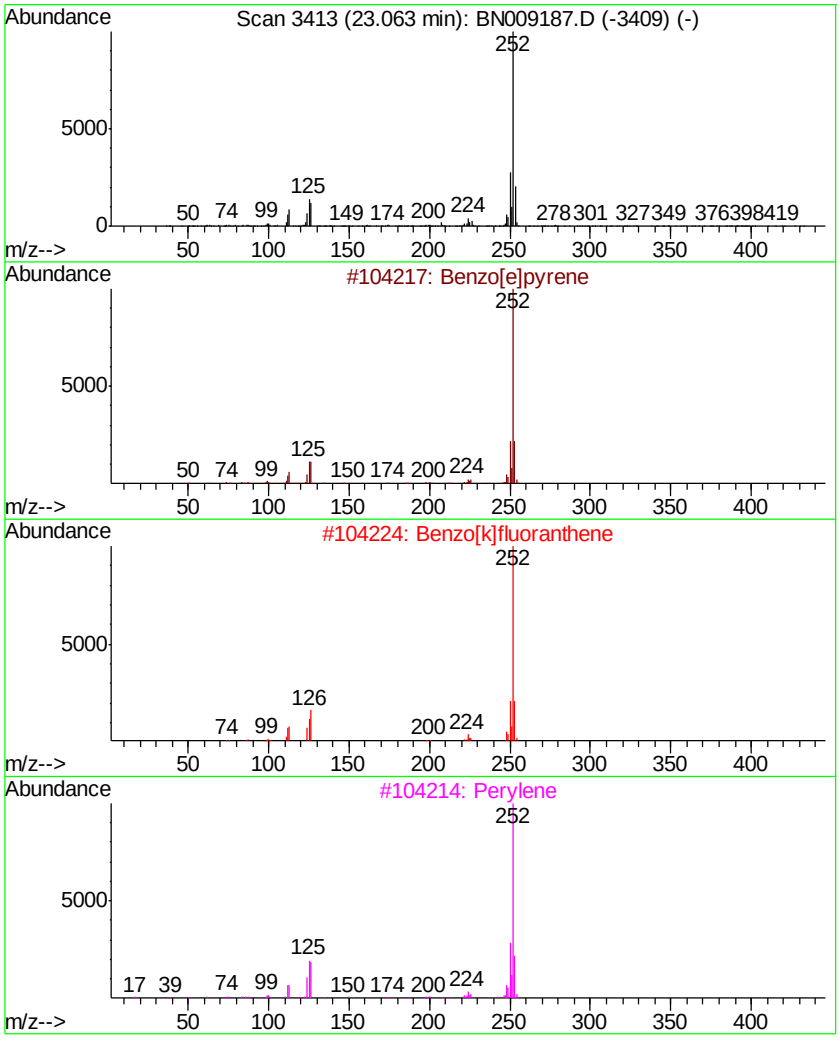
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

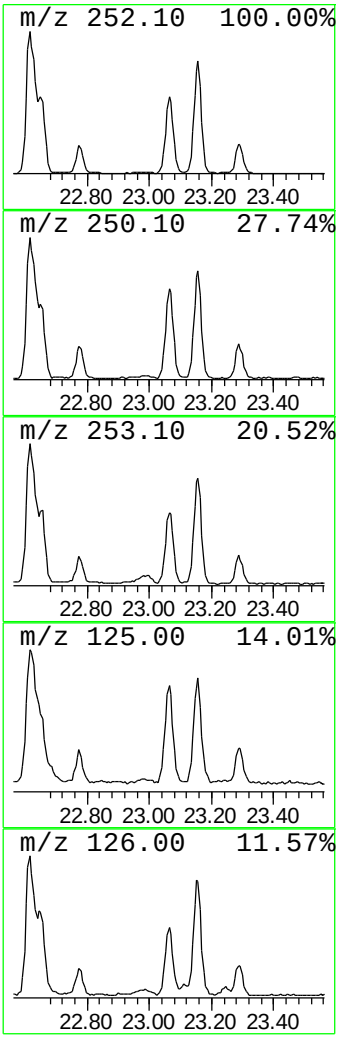
****

Peak Number 23 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.06	8.58 ng/ul	1465800	Perylene-d12	23.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

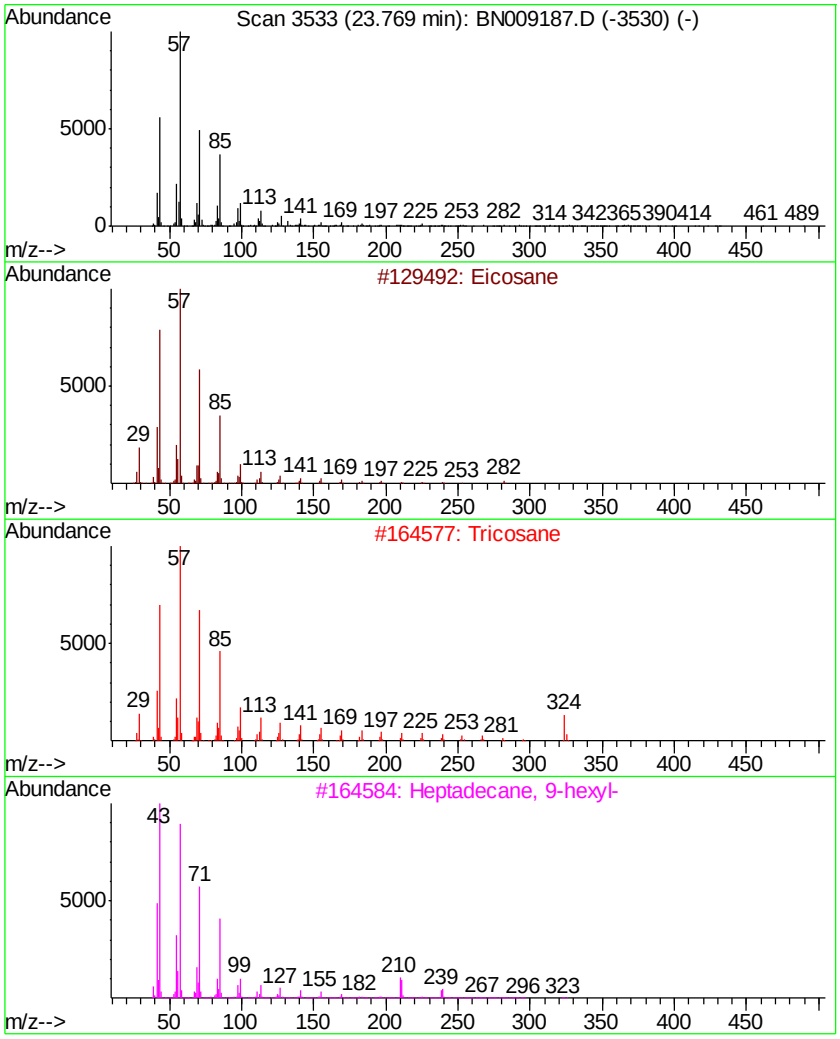
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

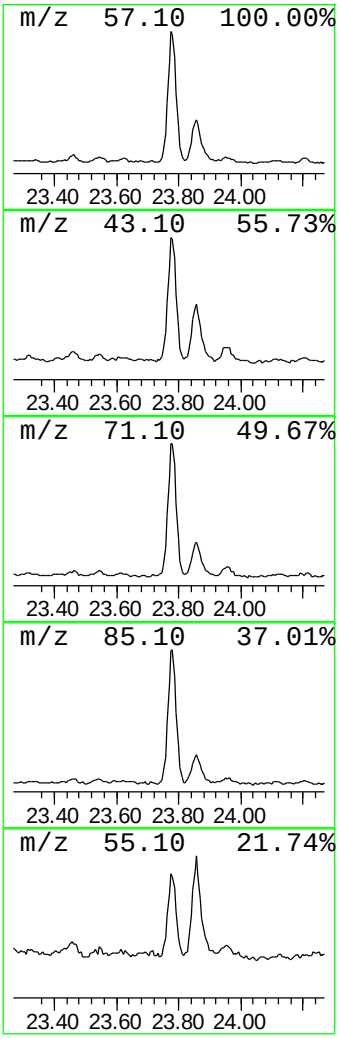
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.77	11.91 ng/ul	2035930	Perylene-d12	23.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Tricosane	324	C23H48	000638-67-5	94
3	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	93
4	Eicosane, 3-methyl-	296	C21H44	006418-46-8	93
5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	91





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Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

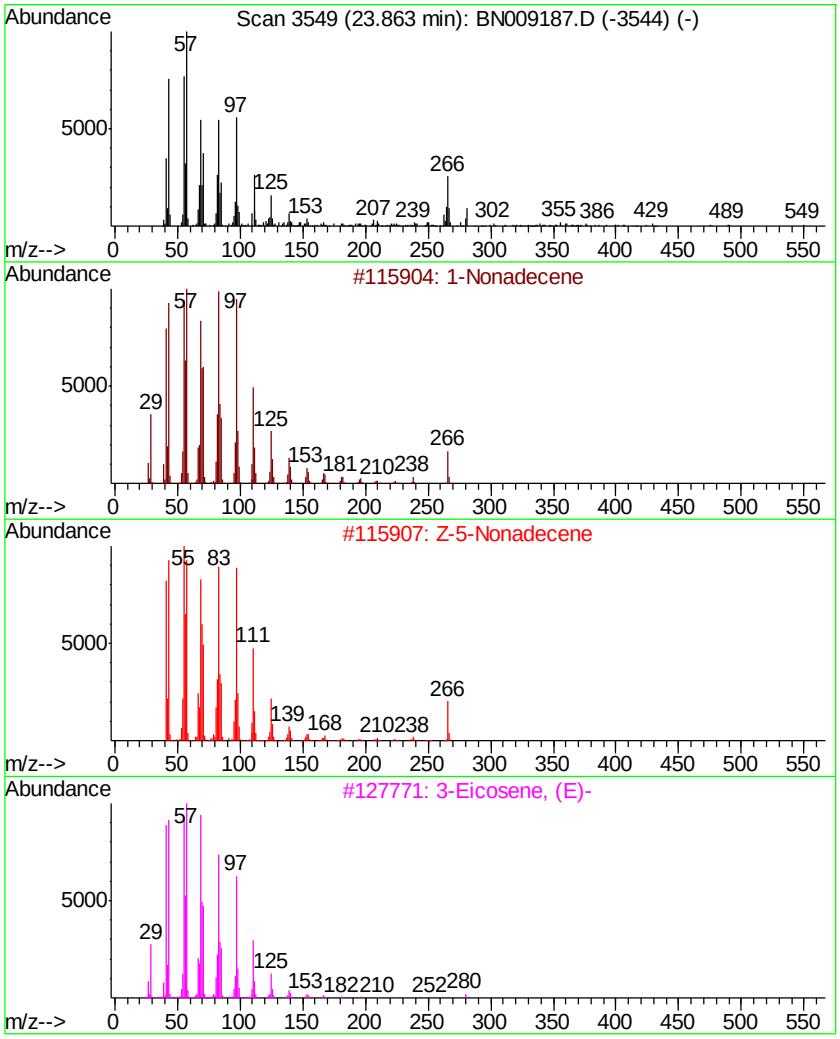
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

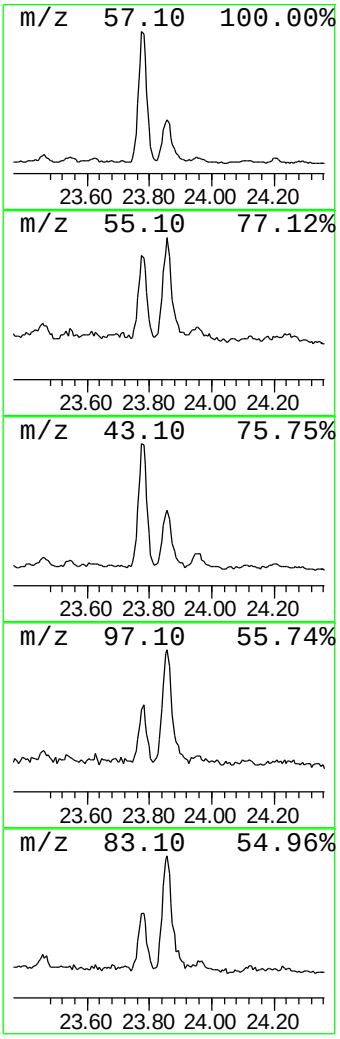
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic23.86 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.86	8.16 ng/ul	1394540	Perylene-d12	23.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	87
2	Z-5-Nonadecene	266	C19H38	1000131-11-8	87
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	74
4	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	74
5	Octacosanol	410	C28H58O	000557-61-9	74





Tentatively Identified Compound (LSC) summary

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Data File : BN009187.D
Acq On : 26 Dec 2019 23:52
Operator : JU
Sample : K6381-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.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
Toluene	3.83	9.7	ng/ul	1004560	1	7.52	2061790	20.0
2-Butenoic acid, ...	4.05	3.0	ng/ul	307866	1	7.52	2061790	20.0
Nonanal	8.84	2.5	ng/ul	262159	1	7.52	2061790	20.0
(DEL) Alkane: Str...	15.91	2.0	ng/ul	472540	4	16.90	4691190	20.0
Sulfurous acid, b...	16.70	2.2	ng/ul	525304	4	16.90	4691190	20.0
(DEL) Alkane: Str...	17.43	2.0	ng/ul	475390	4	16.90	4691190	20.0
Phenanthrene, 2-m...	17.78	4.3	ng/ul	1005970	4	16.90	4691190	20.0
Anthracene, 2-met...	17.83	6.2	ng/ul	1458350	4	16.90	4691190	20.0
1H-Cyclopropa[l]p...	17.90	2.0	ng/ul	472250	4	16.90	4691190	20.0
4H-Cyclopenta[def...	17.97	7.5	ng/ul	1769390	4	16.90	4691190	20.0
Phenanthrene, 4-m...	18.01	2.9	ng/ul	682105	4	16.90	4691190	20.0
5,16[1',2']:8,13[...	18.29	2.8	ng/ul	644541	4	16.90	4691190	20.0
9,10-Anthracenedione	18.32	2.0	ng/ul	475876	4	16.90	4691190	20.0
Phenanthrene, 2,3...	18.71	3.0	ng/ul	712521	4	16.90	4691190	20.0
Phenanthrene, 3,6...	18.77	2.7	ng/ul	630240	4	16.90	4691190	20.0
Cyclopenta(def)ph...	18.85	2.6	ng/ul	613951	4	16.90	4691190	20.0
Pyrene, 1-methyl-	19.66	2.6	ng/ul	1145380	5	21.11	8682580	20.0
11H-Benzo[b]fluorene	19.83	3.0	ng/ul	1281980	5	21.11	8682580	20.0
(DEL) Alkane: Cyc...	20.85	9.5	ng/ul	4113460	5	21.11	8682580	20.0
(DEL) Alkane: Str...	21.30	2.4	ng/ul	1036060	5	21.11	8682580	20.0
(DEL) Alkane: Str...	21.72	5.1	ng/ul	2226690	5	21.11	8682580	20.0
(DEL) Alkane: Str...	22.16	3.2	ng/ul	1393830	5	21.11	8682580	20.0
Benzo[e]pyrene	23.06	8.6	ng/ul	1465800	6	23.25	3418750	20.0
(DEL) Alkane: Str...	23.77	11.9	ng/ul	2035930	6	23.25	3418750	20.0
(DEL) Alkane: Cyc...	23.86	8.2	ng/ul	1394540	6	23.25	3418750	20.0