LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\
Data File : BN005759.D
Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

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-BN051819MA.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	3.187	31	34	38	rVB3	29595	33412	0.25%	0.019%
2	6.763	636	642	658	rVB	640860	1190784	9.08%	0.663%
3	6.922	663	669	680	rVB	472109	782090	5.96%	0.436%
4	7.110	695	701	715	rVB	678169	1158783	8.84%	0.646%
5	7.575	773	780	792	rVB	414927	732995	5.59%	0.408%
6	8.281	893	900	915	rBV	867255	1544471	11.78%	0.861%
7	8.722	968	975	988	rBV	692078	1206993	9.21%	0.672%
8	9.434	1090	1096	1112	rVB	618211	1086656	8.29%	0.605%
9	9.975	1181	1188	1216	rBV	826306	1731301	13.20%	0.965%
10	10.334	1242	1249	1262	rVB	697282	1133660	8.65%	0.632%
11	10.487	1268	1275	1302	rBV	499582	1217785	9.29%	0.679%
12	13.633	1803	1810	1815	rBV	1721400	2721776	20.76%	1.516%
13	13.681	1815	1818	1826	rVB	300639	442025	3.37%	0.246%
14	13.904	1848	1856	1867	rBV	2031961	3197005	24.38%	1.781%
15	14.210	1899	1908	1921	rBV2	1050952	1671466	12.75%	0.931%
16	14.457	1944	1950	1968	rBV	580968	1294879	9.88%	0.721%
17	14.622	1972	1978	1987	rVB2	82599	164348	1.25%	0.092%
18	15.228	2072	2081	2091	rBV2	7285308	13111517	100.00%	7.305%
19	15.375	2100	2106	2117	rBV	799368	1358482	10.36%	0.757%
20	15.457	2117	2120	2128	rVV2	38696	58993	0.45%	0.033%
21	15.551	2131	2136	2141	rVB	31749	42196	0.32%	0.024%
22	15.669	2148	2156	2159	rBV	709578	1053241	8.03%	0.587%
23	15.704	2159	2162	2165	rVV	674964	911179	6.95%	0.508%
24	15.739	2165	2168	2174	rVB	329345	447785	3.42%	0.249%
25	15.792	2174	2177	2183	rVB	37581	49847	0.38%	0.028%
26	15.875	2186	2191	2199	rVB4	38409	88040	0.67%	0.049%
27	15.969	2201	2207	2216	rBV	937663	1352496	10.32%	0.754%
28	16.063	2216	2223	2227	rBV	6214783	8764311	66.84%	4.883%
29	16.127	2229	2234	2240	rVV2	5348576	10433396	79.57%	5.813%
30	16.186	2240	2244	2248	rVV2	5024825	7249560	55.29%	4.039%
31	16.227	2248	2251	2256	rVB	2351988	2943262	22.45%	1.640%
32	16.304	2261	2264	2272	rVV	1408644	2408535	18.37%	1.342%
33	16.380	2272	2277	2284	rVV3	2030564	3849379	29.36%	2.145%
34	16.451	2284	2289	2293	rVV	3938426	5529085	42.17%	3.081%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\
Data File : BN005759.D
Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

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-BN051819MA.M
Title : SVOA CALIBRATION

35	16.492	2293	2296	2298	rVV2	1295444	1846297	14.08%	1.029%
36	16.522	2298	2301	2309	rVV2	1858781	2673598	20.39%	1.490%
37	16.586	2309	2312	2317	rVV2	98370	147391	1.12%	0.082%
38	16.663	2319	2325	2335	rVV	188468	426554	3.25%	0.238%
39	16.780	2335	2345	2349	rVV	321131	717234	5.47%	0.400%
40	16.822	2349	2352	2356	rVV	175788	320627	2.45%	0.179%
41	16.857	2356	2358	2362	rVV2	164530	243489	1.86%	0.136%
42	16.892	2362	2364	2369	rVV	100969	126690	0.97%	0.071%
43	16.969	2371	2377	2388	rVB2	1454046	2177874	16.61%	1.213%
44	17.074	2388	2395	2407	rBV	2781613	4161277	31.74%	2.319%
45	17.186	2412	2414	2418	rVV	24521	31546	0.24%	0.018%
46	17.339	2434	2440	2454	rBV	665152	1089598	8.31%	0.607%
47	17.598	2477	2484	2489	rBV4	19437	35580	0.27%	0.020%
48	17.674	2489	2497	2502	rBV	270841	572222	4.36%	0.319%
49	17.727	2502	2506	2512	rVB2	138157	226477	1.73%	0.126%
50	17.792	2513	2517	2525	rVB4	48488	105944	0.81%	0.059%
51	17.904	2529	2536	2547	rBV	3558894	5695590	43.44%	3.173%
52	17.998	2547	2552	2556	rBV	3907528	5519438	42.10%	3.075%
53	18.051	2556	2561	2564	rBV	5715661	9056870	69.08%	5.046%
54	18.080	2564	2566	2570	rVB	3068695	3703987	28.25%	2.064%
55	18.139	2570	2576	2580	rVB2	3823505	6965002	53.12%	3.881%
56	18.186	2580	2584	2587	rBV	1954977	2816244	21.48%	1.569%
57	18.221	2587	2590	2593	rBV2	2056695	2326979	17.75%	1.297%
58	18.263	2593	2597	2600	rVB	3753403	4466002	34.06%	2.488%
59	18.298	2600	2603	2608	rVB	2381303	3027197	23.09%	1.687%
60	18.345	2608	2611	2614	rBV	3544290	4867892	37.13%	2.712%
61	18.421	2620	2624	2630	rVB2	2891874	4130567	31.50%	2.301%
62	18.504	2634	2638	2644	rVB	446802	777311	5.93%	0.433%
63	18.563	2644	2648	2649	rBV4	144638	183361	1.40%	0.102%
64	18.598	2649	2654	2659	rVV2	667535	1362876	10.39%	0.759%
65	18.651	2659	2663	2670	rVV4	386840	995514	7.59%	0.555%
66	18.716	2670	2674	2680	rVB	207744	384060	2.93%	0.214%
67	18.921	2705	2709	2712	rBV3	217510	379712	2.90%	0.212%
68	19.027	2721	2727	2729	rBV3	117674	226819	1.73%	0.126%
69	19.092	2733	2738	2745	rVB2	530523	1021268	7.79%	0.569%
70	19.151	2745	2748	2751	rBV	267554	367432	2.80%	0.205%
71	19.186	2751	2754	2760	rVB2	287231	429796	3.28%	0.239%

LSC Area Percent Report

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Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

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-BN051819MA.M
Title : SVOA CALIBRATION

72	19.245	2761	2764	2766	rBV4	89493	100699	0.77%	0.056%
73	19.274	2766	2769	2771	rBV	72325	63151	0.48%	0.035%
74	19.392	2783	2789	2797	rVB	3704909	5228904	39.88%	2.913%
75	19.580	2819	2821	2826	rVB4	29628	33719	0.26%	0.019%
76	19.674	2833	2837	2848	rVB2	147693	268852	2.05%	0.150%
77	19.780	2848	2855	2861	rBV2	531190	1359378	10.37%	0.757%
78	19.839	2861	2865	2868	rVV	458808	667377	5.09%	0.372%
79	19.874	2868	2871	2877	rVV2	421684	621883	4.74%	0.346%
80	19.927	2877	2880	2883	rVV	203760	329655	2.51%	0.184%
81	19.968	2883	2887	2896	rVB5	365513	844271	6.44%	0.470%
82	20.039	2896	2899	2905	rBV	384875	567282	4.33%	0.316%
83	20.163	2915	2920	2928	rVB3	117394	218698	1.67%	0.122%
84	20.233	2928	2932	2938	rBV	122782	226455	1.73%	0.126%
85	20.333	2944	2949	2957	rVB	550589	770142	5.87%	0.429%
86	20.457	2967	2970	2975	rVB4	41561	54034	0.41%	0.030%
87	20.598	2990	2994	2998	rBV4	89631	137408	1.05%	0.077%
88	20.786	3023	3026	3032	rVB4	47422	83083	0.63%	0.046%
89	20.863	3036	3039	3042	rVB4	35722	37966	0.29%	0.021%
90	20.927	3046	3050	3058	rBV	530835	808160	6.16%	0.450%
91	21.145	3084	3087	3088	rBV3	40816	42789	0.33%	0.024%
92	21.174	3089	3092	3093	rVV2	51867	62079	0.47%	0.035%
93	21.204	3093	3097	3106	rVB	1841751	2608766	19.90%	1.454%
94	21.798	3195	3198	3201	rBV	101876	118122	0.90%	0.066%
95	22.251	3271	3275	3284	rVB	204161	329351	2.51%	0.184%
96	22.745	3355	3359	3366	rVB	189077	280819	2.14%	0.156%
97	23.274	3442	3449	3459	rBV2	3028828	5753705	43.88%	3.206%
98	23.409	3466	3472	3482	rVB	1327294	2687857	20.50%	1.498%
99	23.921	3554	3559	3566	rVB	190636	330070	2.52%	0.184%
100	24.639	3676	3681	3689	rVB	142028	277404	2.12%	0.155%

Sum of corrected areas: 179480127

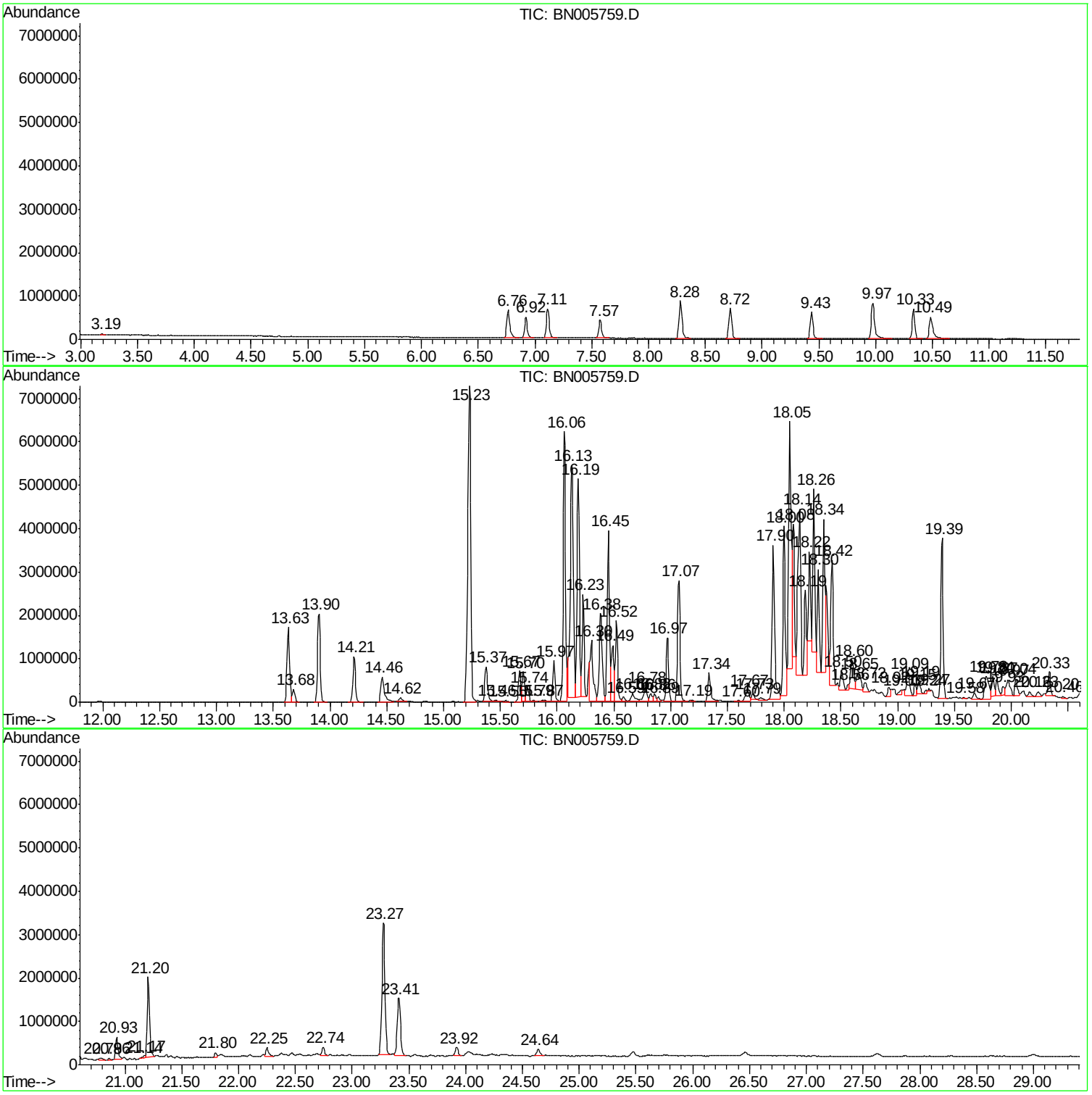
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\
Data File : BN005759.D
Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\
Data File : BN005759.D
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Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

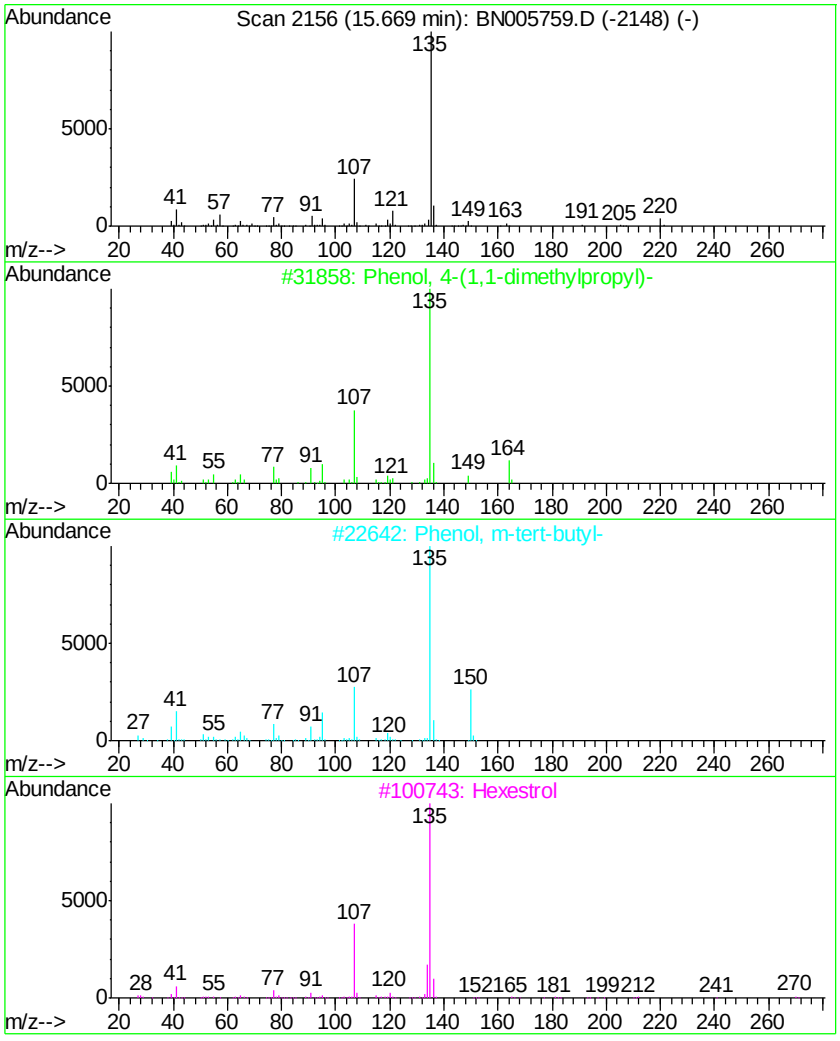
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

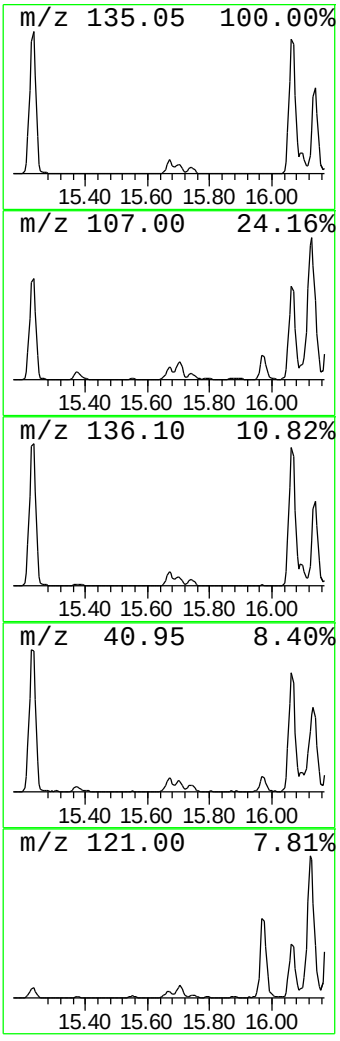
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Phenol, 4-(1,1-dimethylprop... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	9.67 ng/ul	1053240	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	78
2	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	72
3	Hexestrol	270	C18H22O2	005635-50-7	64
4	((1,2-Diethylethylene)bis(p-phen...	354	C22H26O4	004547-76-6	64
5	Methanol, (cyclohexyl)(2,3-dimet...	218	C15H22O	349498-47-1	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\
Data File : BN005759.D
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Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

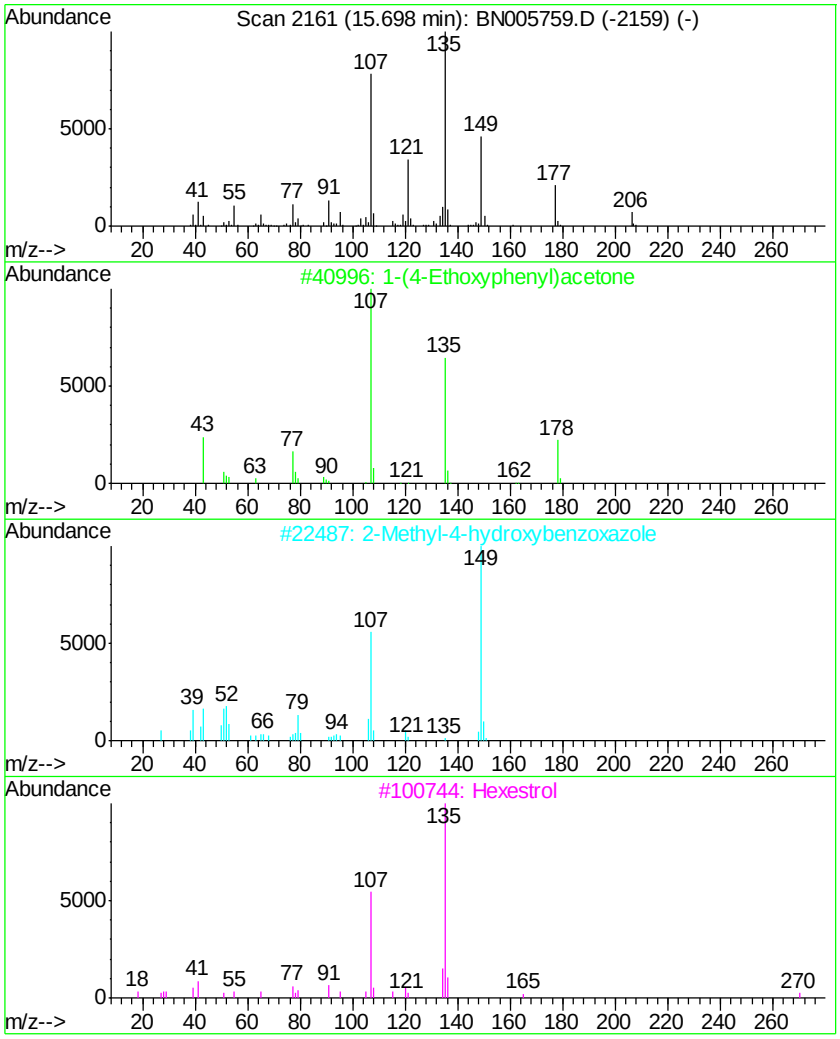
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

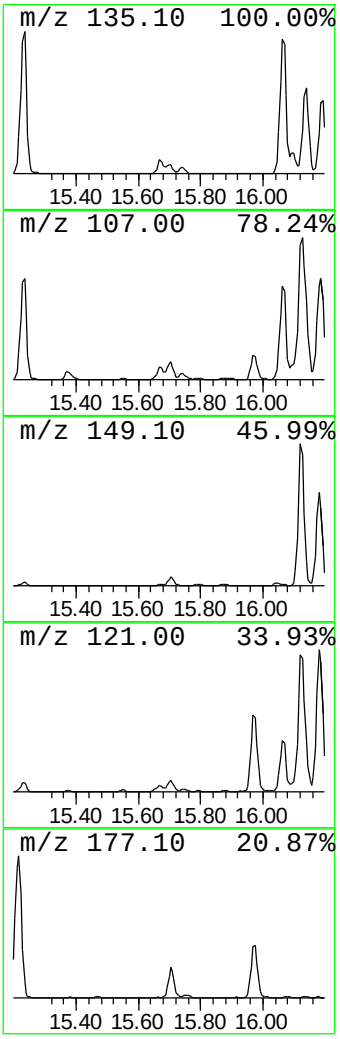
****

Peak Number 2 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	8.37 ng/ul	911179	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Ethoxyphenyl)acetone	178	C11H14O2	144818-72-4	47
2	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	38
3	Hexestrol	270	C18H22O2	005635-50-7	35
4	Ethanone, 2-(1-methylethoxy)-1,2...	254	C17H18O2	006652-28-4	35
5	3-(4-Methoxyphenyl)-5-ethyl-2-(1...	206	C11H14N2O2	061477-42-7	30





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Instrument : BNA_N
ClientSampleId : A5158

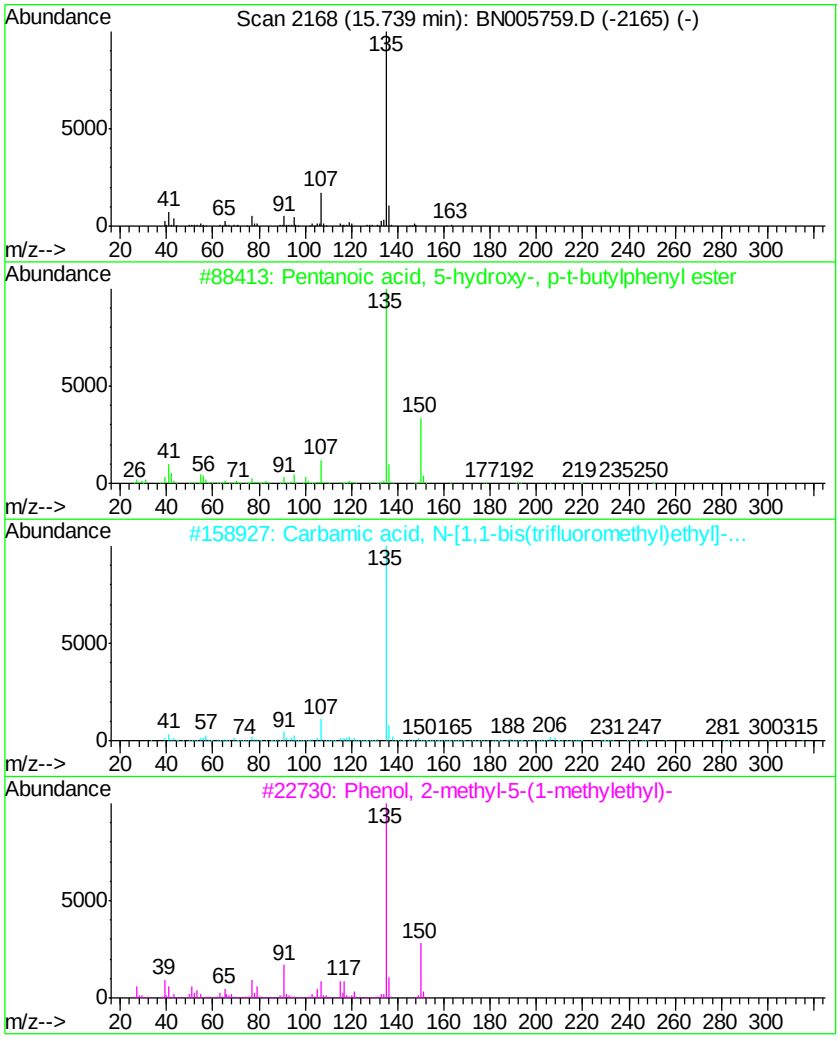
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

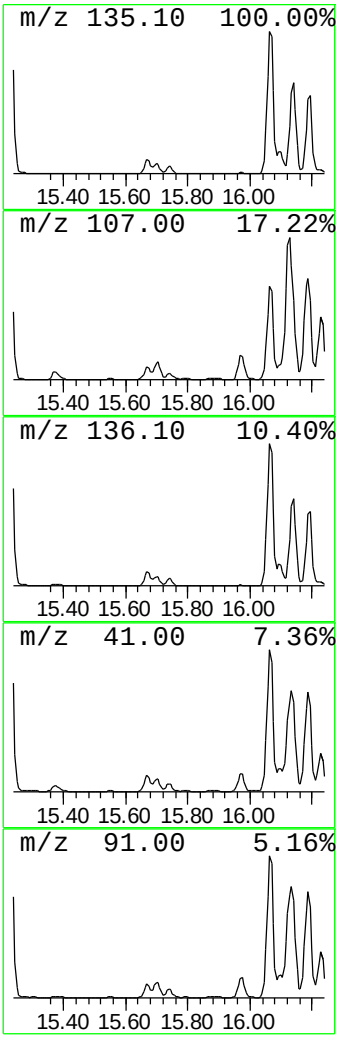
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentanoic acid, 5-hydroxy-,... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	4.11 ng/ul	447785	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	64
2	Carbamic acid, N-[1,1-bis(triflu...	413	C19H25F6NO2	296242-69-8	56
3	Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	56
4	Phenol, 4,4'-(1,2-diethyl-1,2-et...	270	C18H22O2	000084-16-2	50
5	Heptafluorobutanoic acid, 1-adam...	362	C15H17F7O2	1000282-96-9	50





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Instrument : BNA_N
ClientSampleId : A5158

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

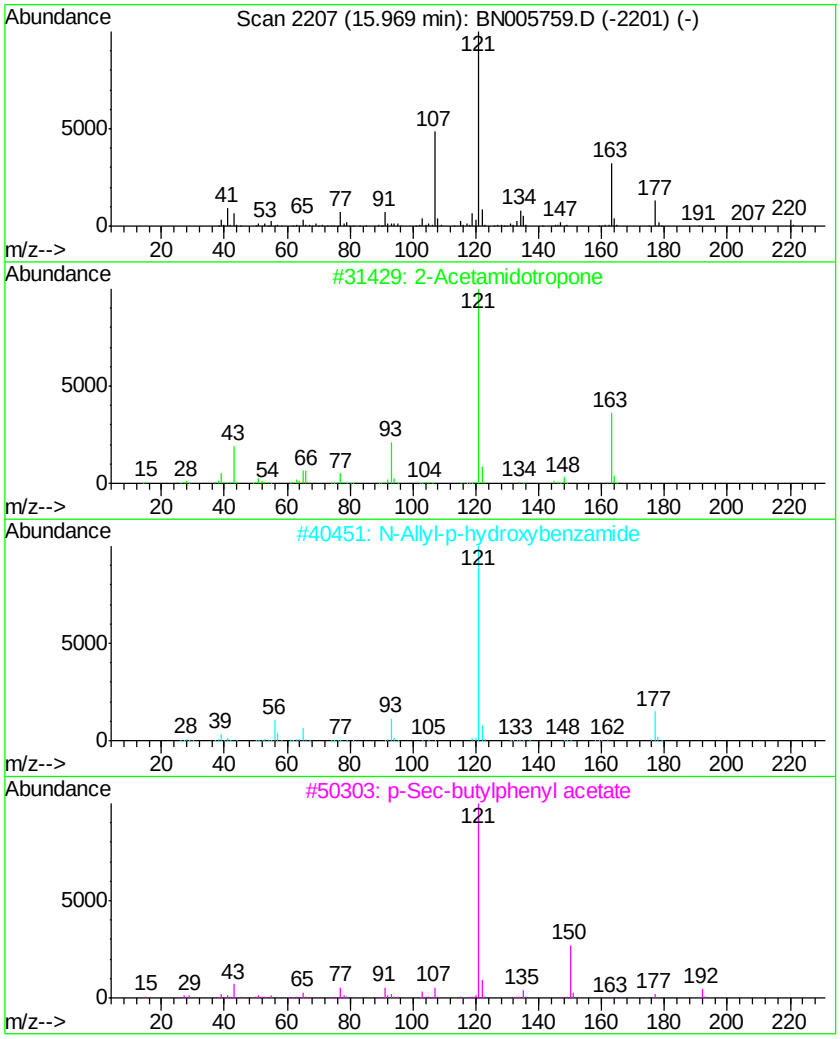
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

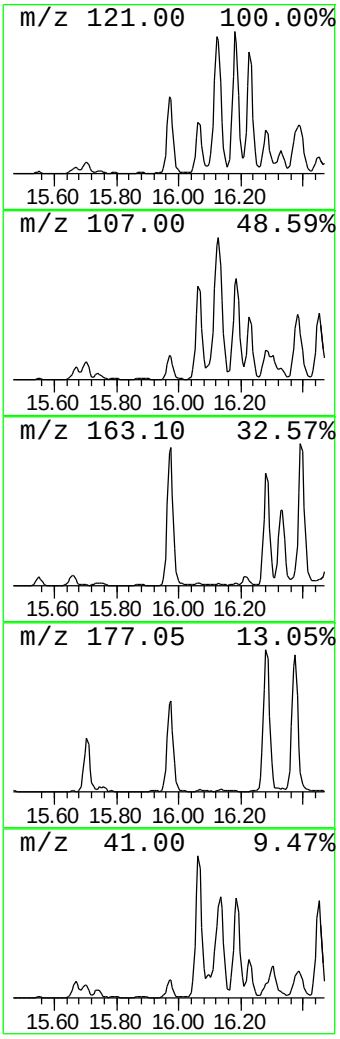
****

Peak Number 4 unknown-02 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	12.42 ng/ul	1352500	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Acetamidotropone	163	C9H9NO2	006422-12-4	47
2	N-Allyl-p-hydroxybenzamide	177	C10H11NO2	090921-72-5	43
3	p-Sec-butylphenyl acetate	192	C12H16O2	003245-24-7	43
4	Benorilate	313	C17H15NO5	005003-48-5	38
5	Benzenemethanol, 4-methyl-.alpha...	176	C12H16O	083173-76-6	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\
Data File : BN005759.D
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Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

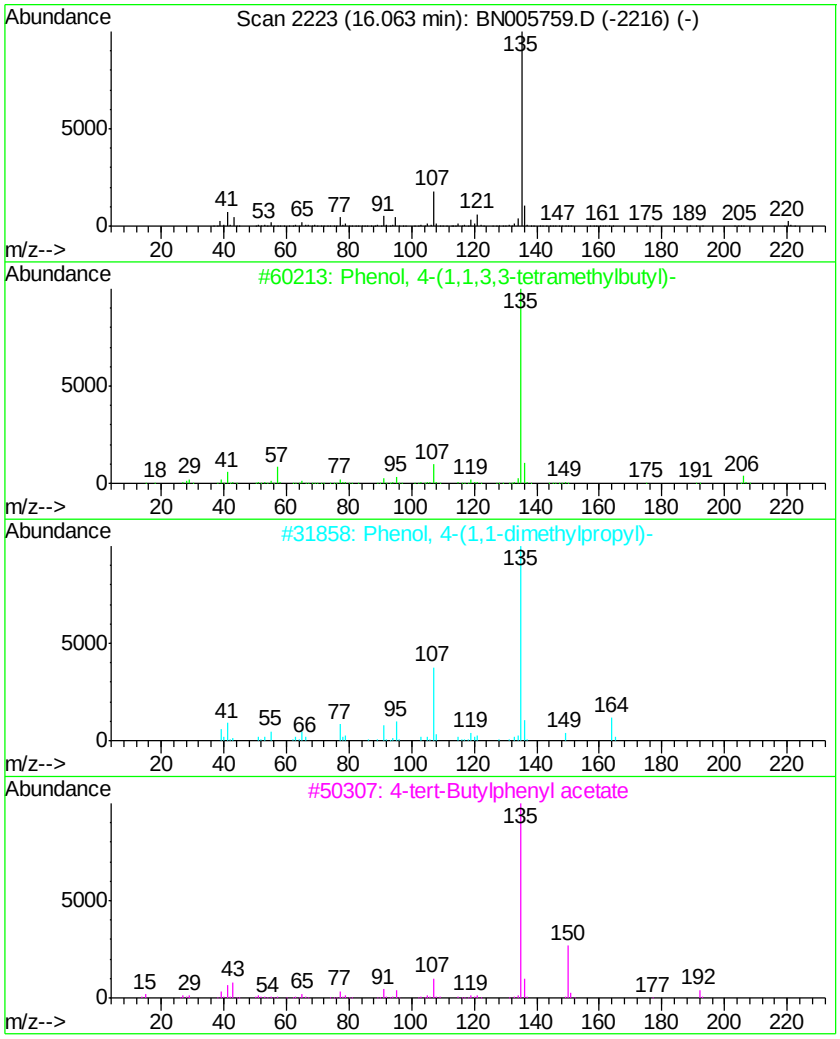
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

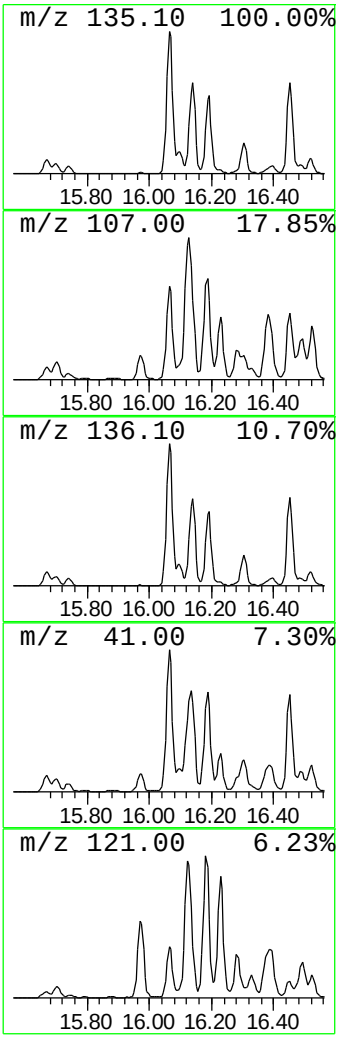
****

Peak Number 5 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	80.49 ng/ul	8764310	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	78
2	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	78
3	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	78
4	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	78
5	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	64





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Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

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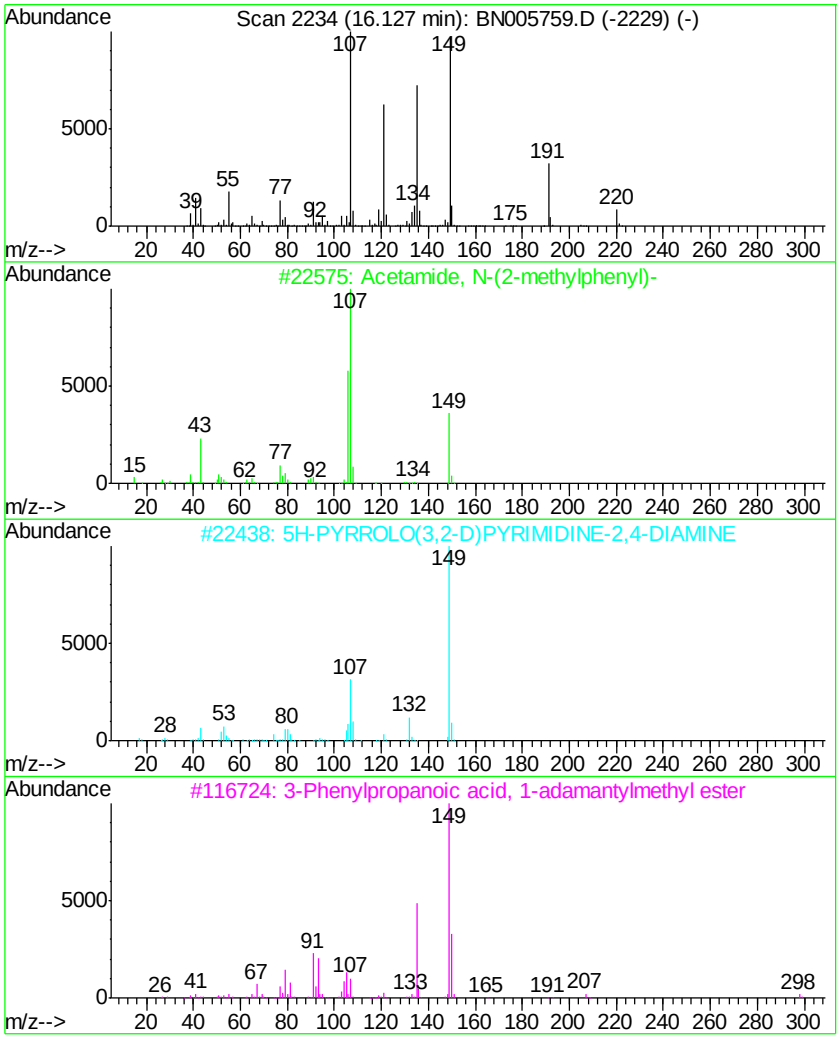
Quant Title : SVOA CALIBRATION

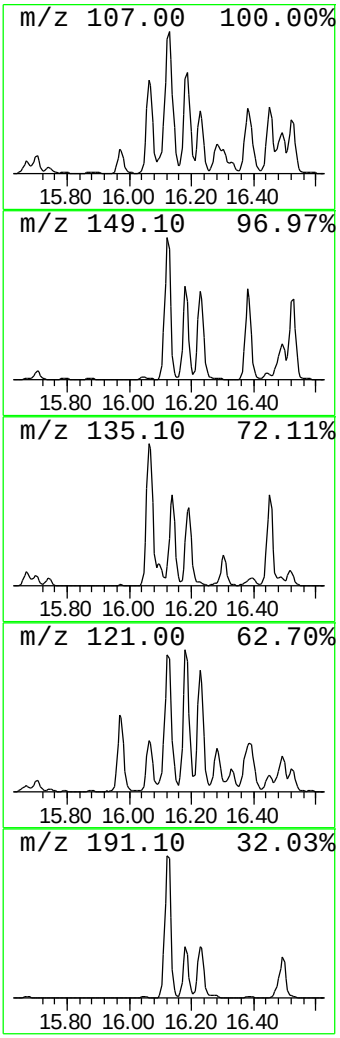
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Acetamide, N-(2-methylphenyl)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	95.81 ng/ul	10433400	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	50
2	5H-PYRROLO(3,2-D)PYRIMIDINE-2,4-...	149	C6H7N5	1000244-21-4	50
3	3-Phenylpropanoic acid, 1-adaman...	298	C20H26O2	1000282-93-6	38
4	Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	38
5	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	38





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Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

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Quant Title : SVOA CALIBRATION

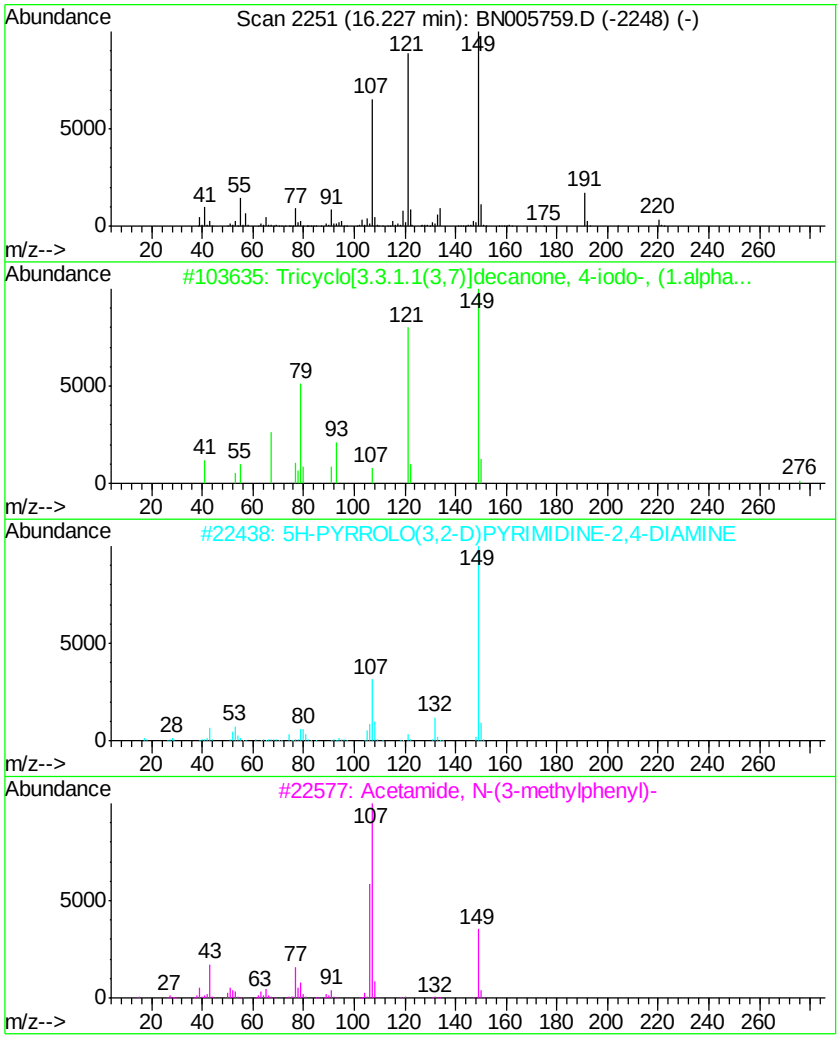
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

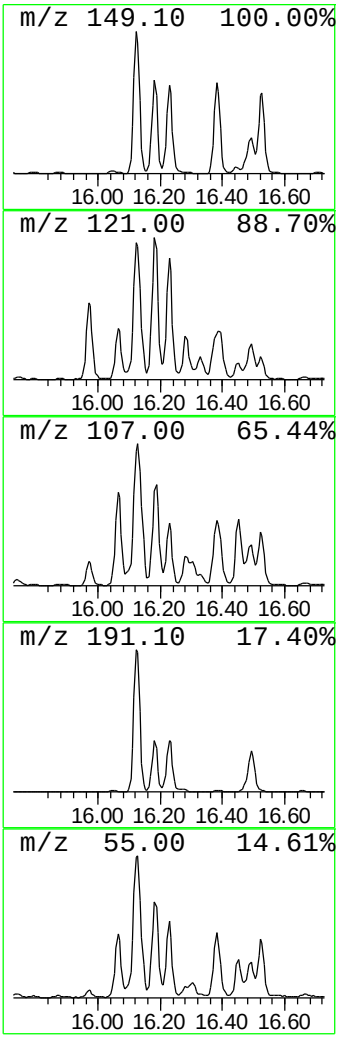
****

Peak Number 8 Tricyclo[3.3.1.1(3,7)]decan... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	27.03 ng/ul	2943260	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[3.3.1.1(3,7)]decanone, ...	276	C10H13IO	056781-85-2	59
2	5H-PYRROLO(3,2-D)PYRIMIDINE-2,4-...	149	C6H7N5	1000244-21-4	43
3	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	35
4	Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	35
5	1-(2,6-Dimethyl-4-propoxyphenyl)...	220	C14H20O2	1000190-22-3	35





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Misc :
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Instrument : BNA_N
ClientSampleId : A5158

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Quant Title : SVOA CALIBRATION

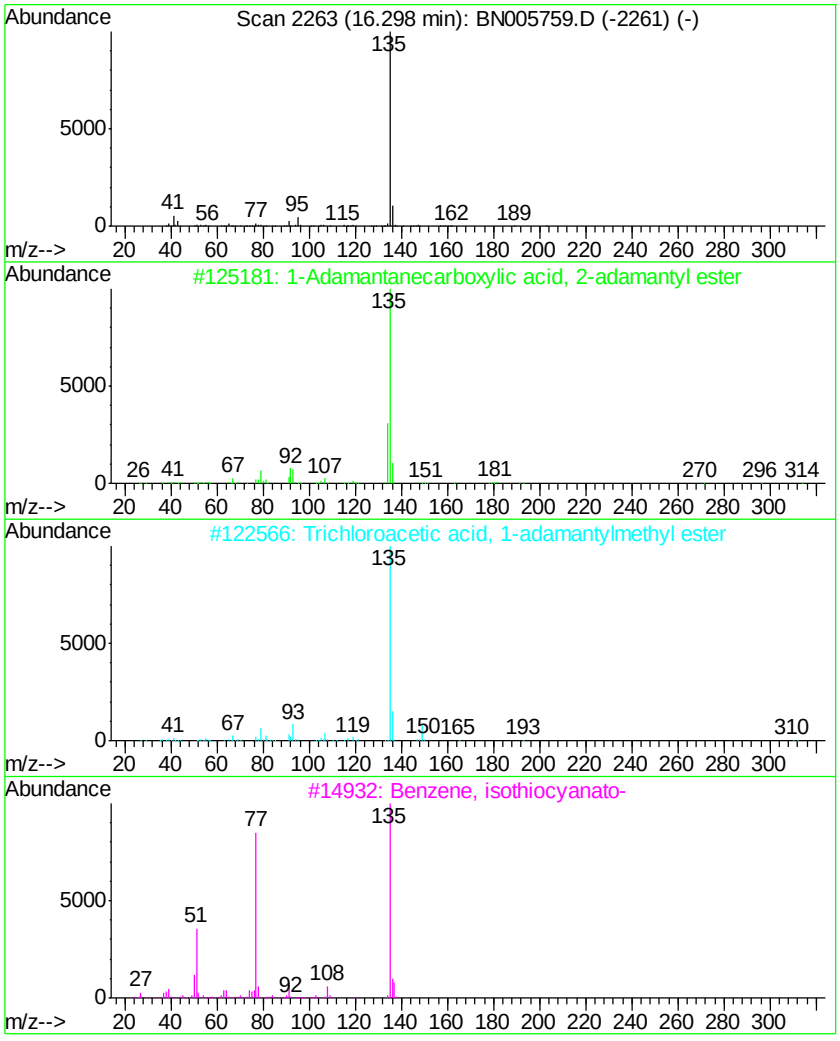
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

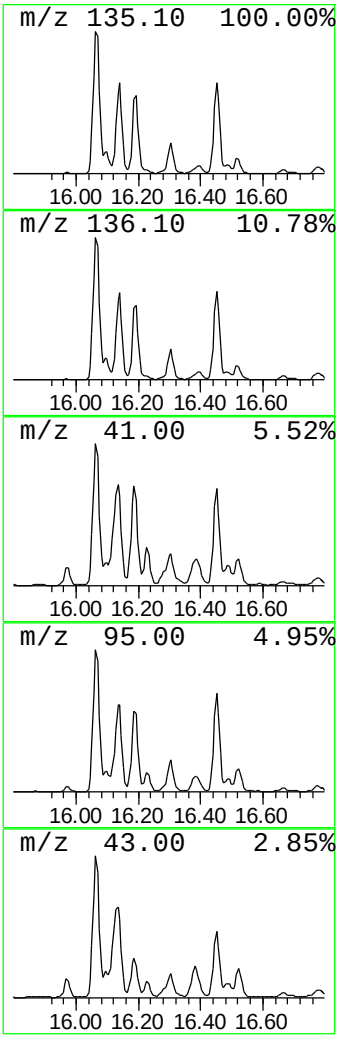
****

Peak Number 9 unknown-03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	22.12 ng/ul	2408540	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Adamantanecarboxylic acid, 2-a...	314	C21H30O2	1000282-94-3	9
2	Trichloroacetic acid, 1-adamanty...	310	C13H17Cl3O2	1000282-92-0	9
3	Benzene, isothiocyanato-	135	C7H5NS	000103-72-0	7
4	1H-Pyrazolo[3,4-d]pyrimidin-4-amine	135	C5H5N5	002380-63-4	7
5	Benzeneacetonitrile, 3-fluoro-	135	C8H6FN	000501-00-8	7





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Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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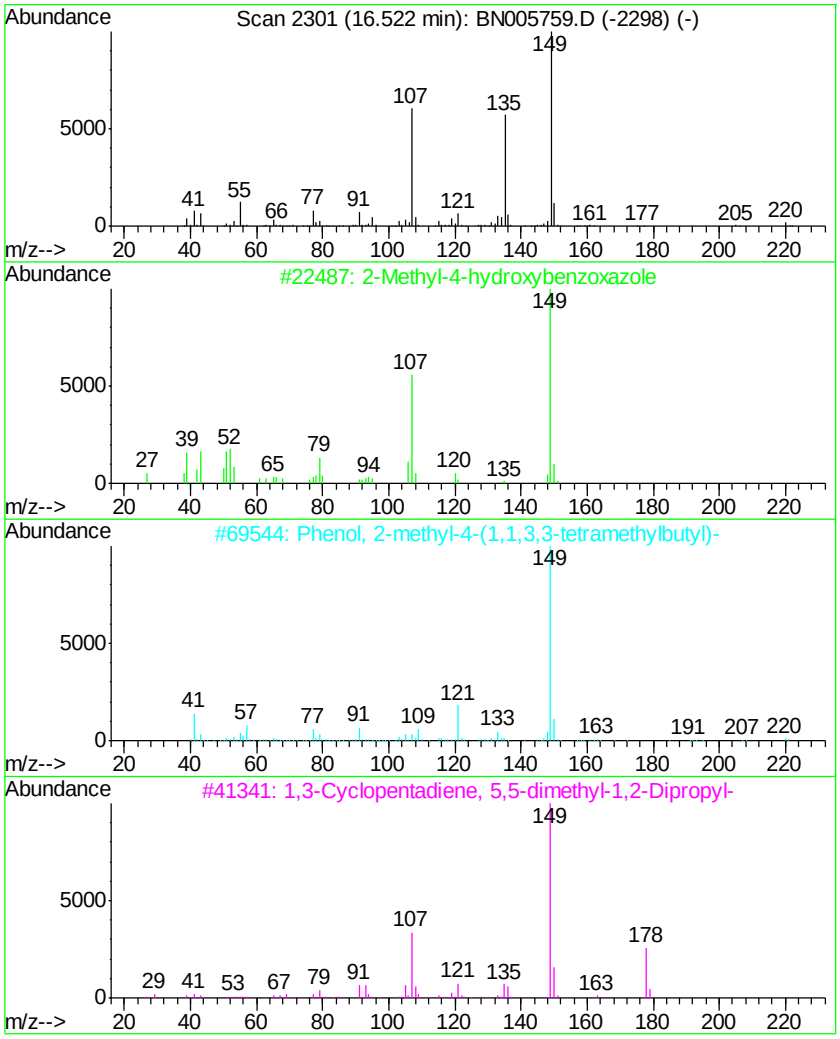
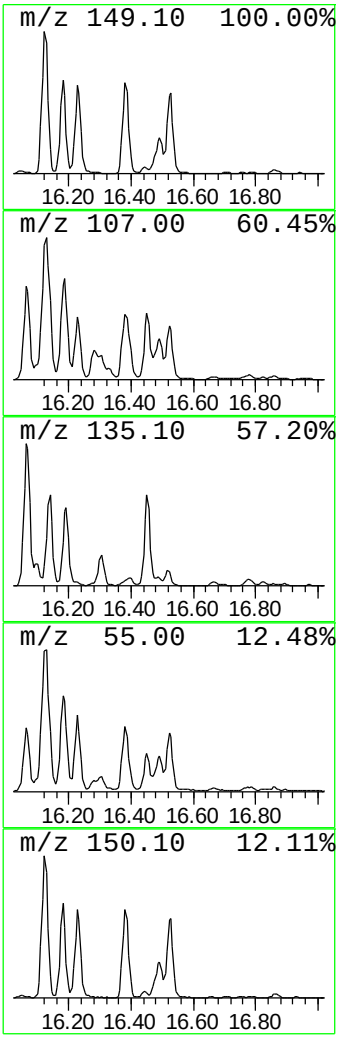
Peak Number 13 2-Methyl-4-hydroxybenzoxazole Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	24.55 ng/ul	2673600	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	50
2	Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	43
3	1,3-Cyclopentadiene, 5,5-dimethy...	178	C13H22	1000163-88-0	40
4	Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	38
5	2,5-Cyclohexadiene, 1,4-diethyl-...	164	C12H20	1000150-21-6	35





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Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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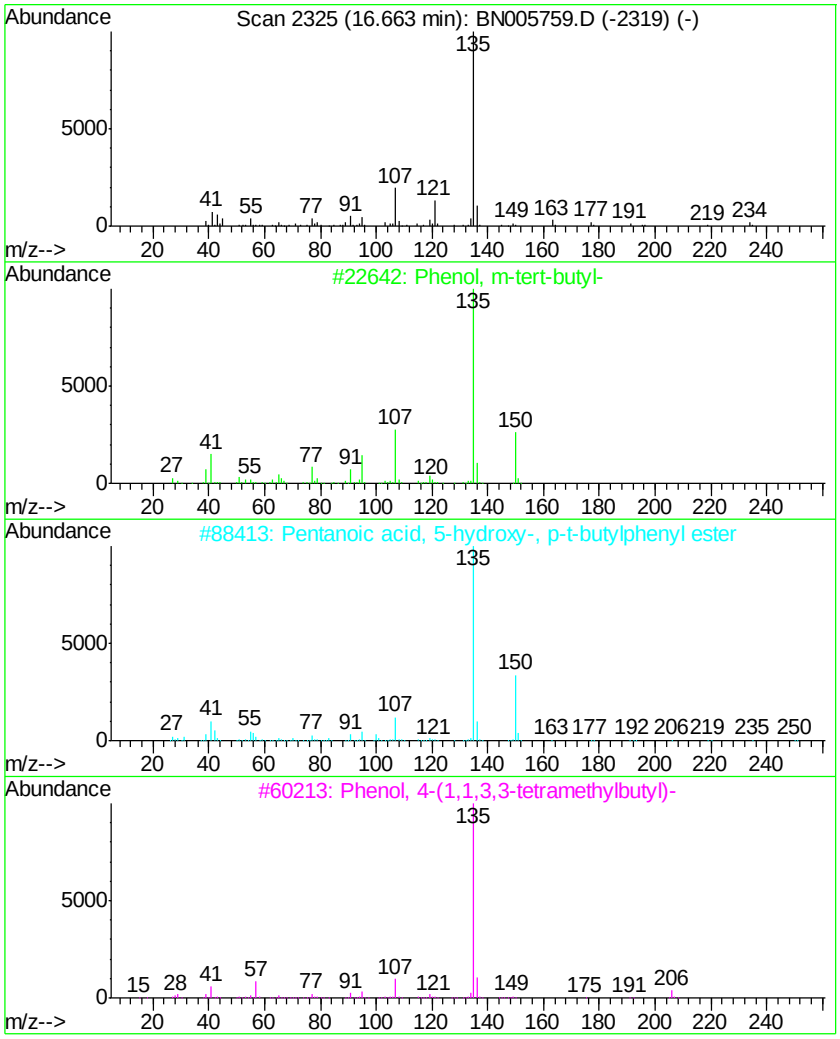
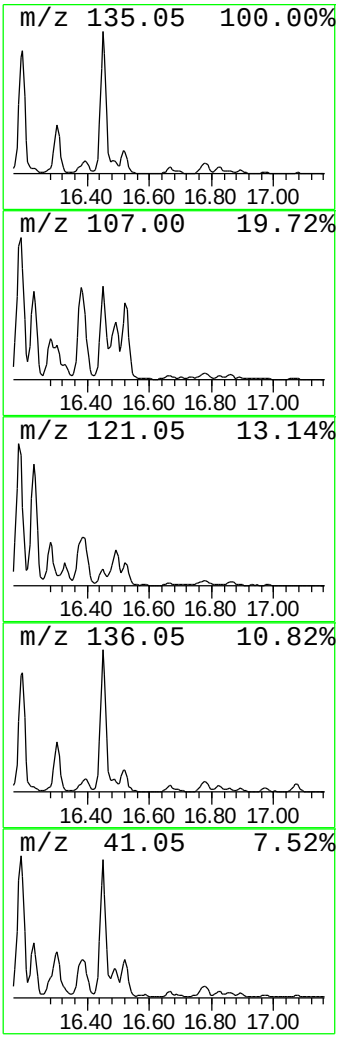
Peak Number 14 Phenol, m-tert-butyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	3.92 ng/ul	426554	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	64
2	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	64
3	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	59
4	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	50
5	2-Bromo-3'-methoxyacetophenone	228	C9H9BrO2	005000-65-7	50





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Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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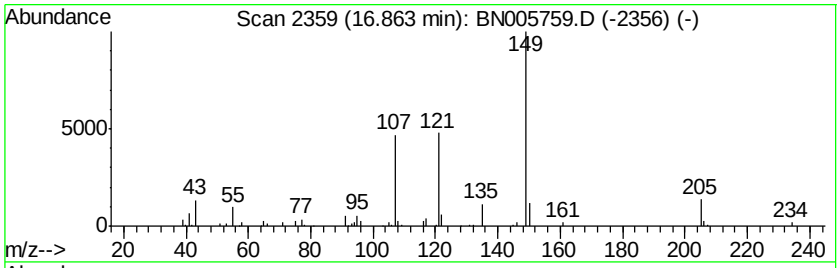
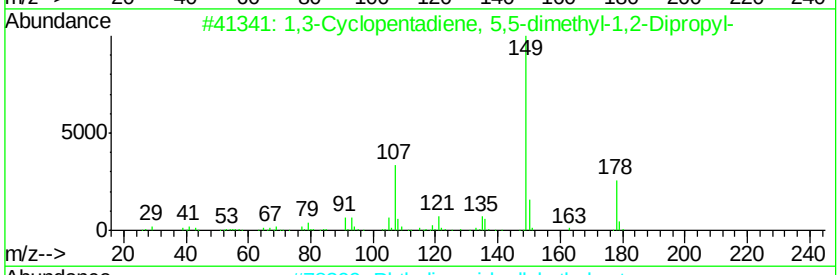
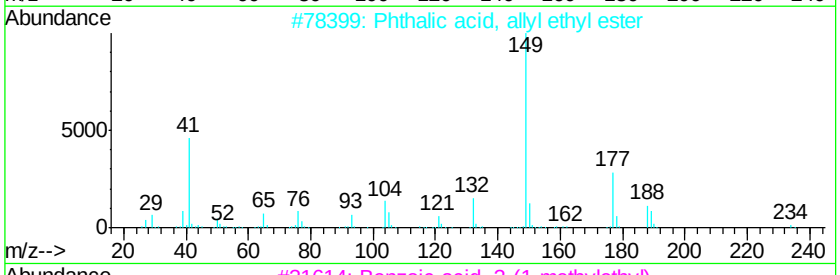
Peak Number 17 unknown-04 Concentration Rank 48

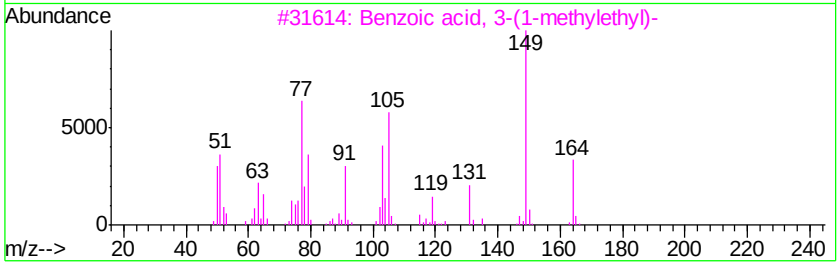
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	2.24 ng/ul	243489	Phenanthrene-d10	16.97

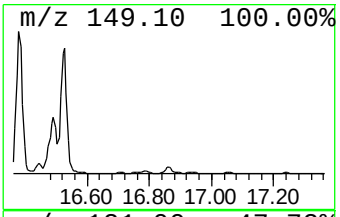
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 5,5-dimethy...	178	C13H22	1000163-88-0	45
2	Phthalic acid, allyl ethyl ester	234	C13H14O4	033672-94-5	35
3	Benzoic acid, 3-(1-methylethyl)-	164	C10H12O2	005651-47-8	30
4	5-(3-Methylbutyl)-2-pyridinecarb...	193	C11H15NO2	049751-50-0	25
5	4,6-Bis(4-ethoxybenzylthio)-5-ni...	457	C22H23N3O4S2	325957-76-4	16

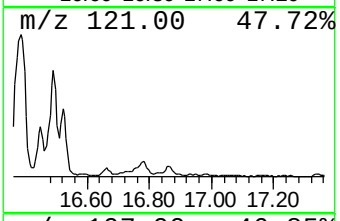


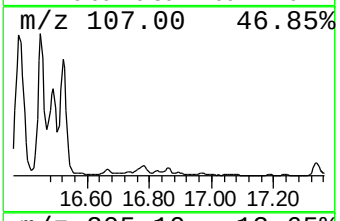


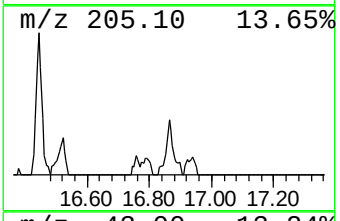


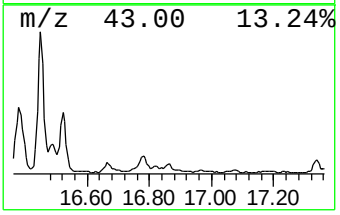












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Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

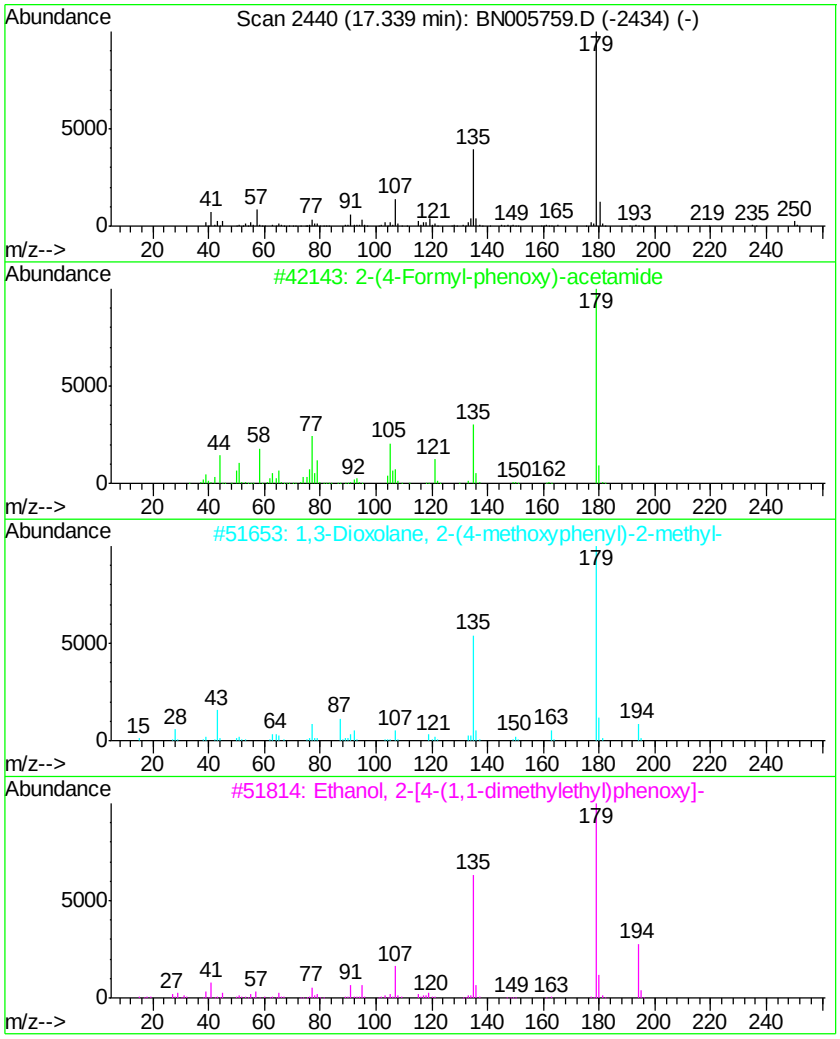
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

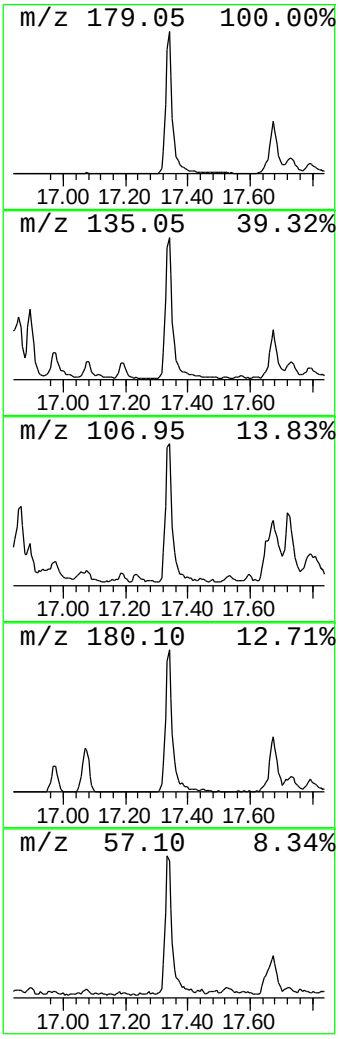
****

Peak Number 18 2-(4-Formyl-phenoxy)-acetamide Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	10.01 ng/ul	1089600	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(4-Formyl-phenoxy)-acetamide	179	C9H9NO3	135857-20-4	72
2	1,3-Dioxolane, 2-(4-methoxyphenyl...	194	C11H14O3	036881-00-2	56
3	Ethanol, 2-[4-(1,1-dimethylethyl...	194	C12H18O2	000713-46-2	50
4	Acetic acid, [2-[(2-propenylamin...	235	C12H13NO4	000119-45-9	43
5	4-Butylbenzoic acid, octadecyl e...	430	C29H50O2	1000292-33-0	28





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

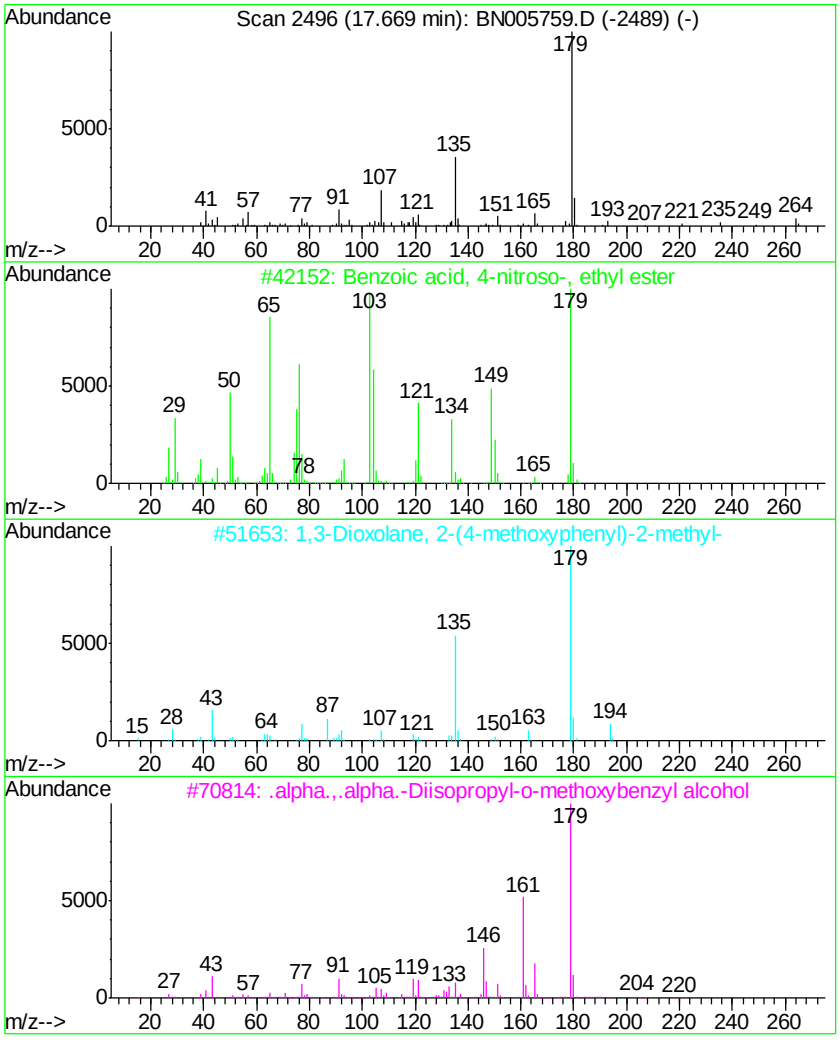
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

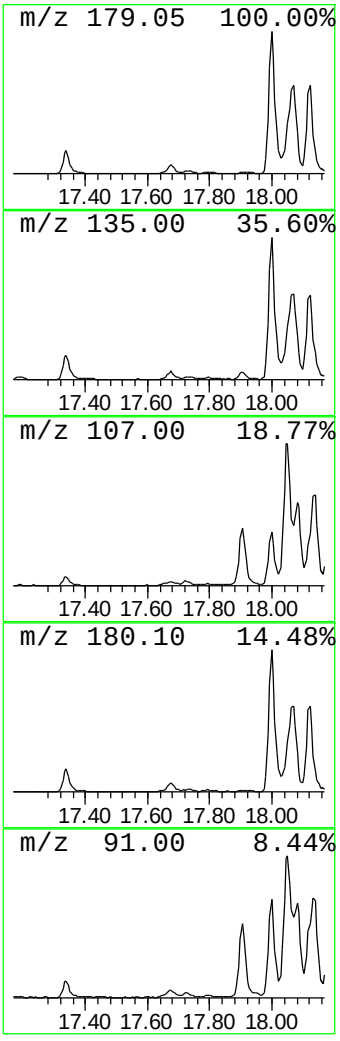
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzoic acid, 4-nitroso-, e... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	5.25 ng/ul	572222	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-nitroso-, ethyl ...	179	C9H9NO3	007476-79-1	58
2	1,3-Dioxolane, 2-(4-methoxypheny...	194	C11H14O3	036881-00-2	50
3	.alpha.,.alpha.-Diisopropyl-o-me...	222	C14H22O2	010277-90-4	42
4	Ethanol, 2-[4-(1,1-dimethylethyl...	194	C12H18O2	000713-46-2	40
5	1-Cyclopenten-3-one, 1-(1-octeny...	264	C16H28OSi	1000158-09-1	40





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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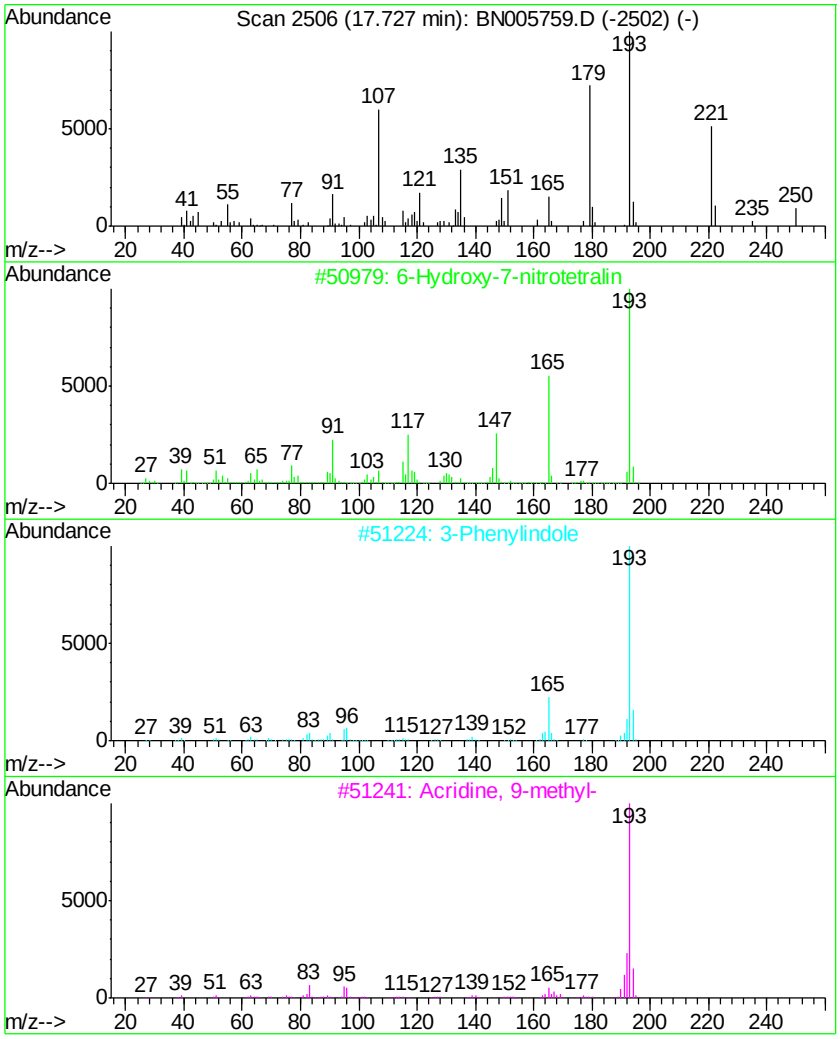
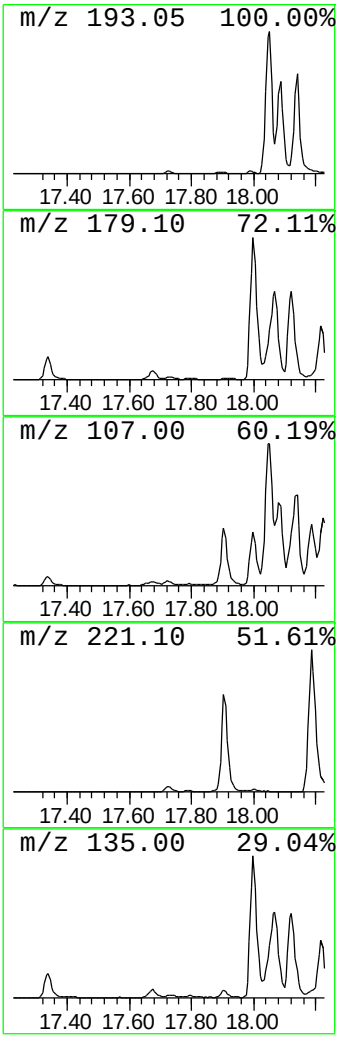
Peak Number 20 unknown-05 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	2.08 ng/ul	226477	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Hydroxy-7-nitrotetralin	193	C10H11NO3	006240-79-5	25
2	3-Phenylindole	193	C14H11N	001504-16-1	22
3	Acridine, 9-methyl-	193	C14H11N	000611-64-3	22
4	3-Phenylindole	193	C14H11N	001504-16-1	22
5	1H-Indole, 2-phenyl-	193	C14H11N	000948-65-2	22





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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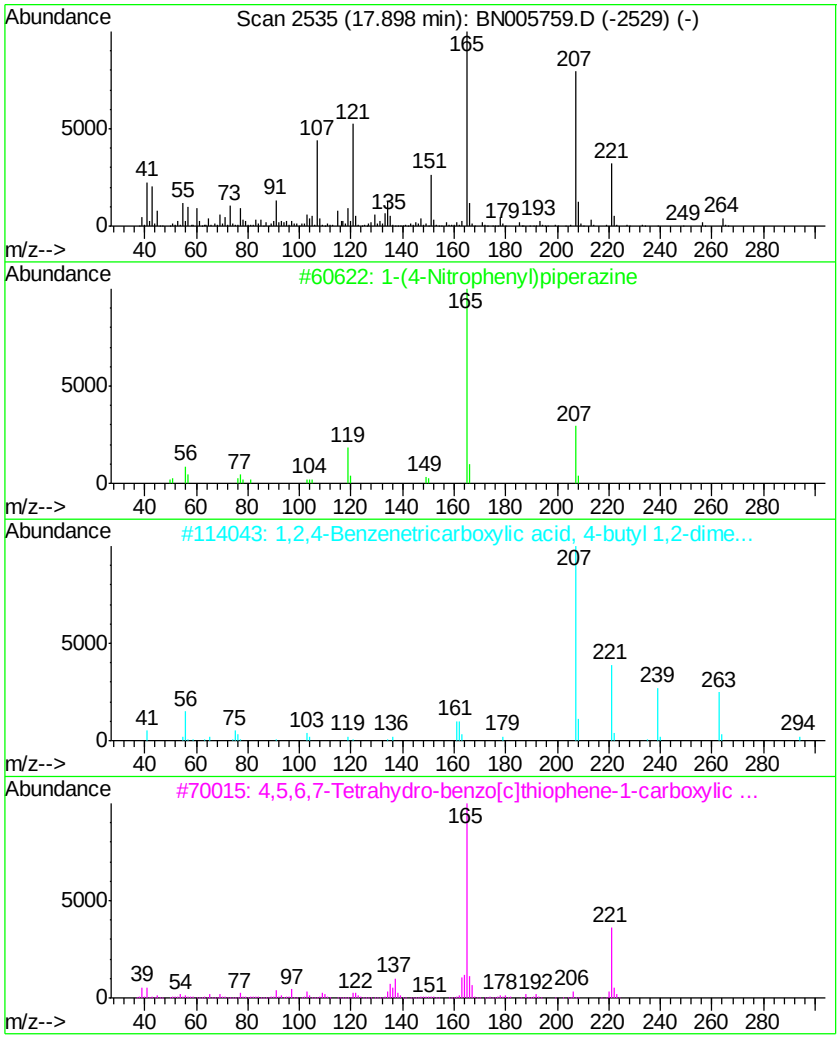
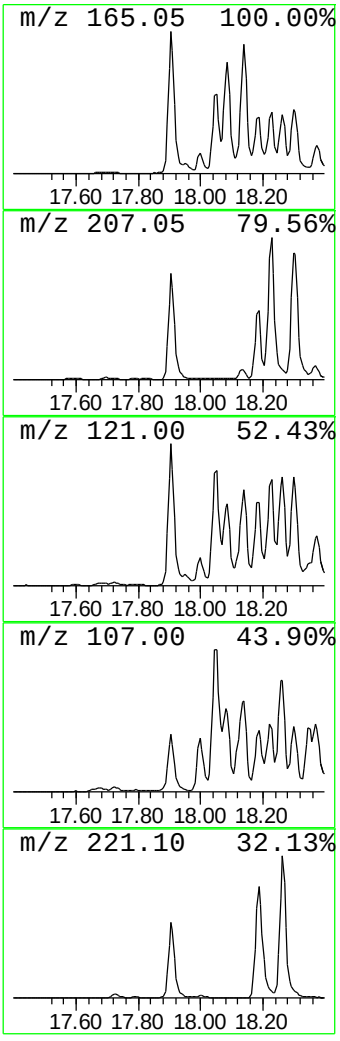
Peak Number 21 1-(4-Nitrophenyl)piperazine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	52.30 ng/ul	5695590	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Nitrophenyl)piperazine	207	C10H13N3O2	006269-89-2	50
2	1,2,4-Benzenetricarboxylic acid,...	294	C15H18O6	043049-07-6	27
3	4,5,6,7-Tetrahydro-benzo[c]thiop...	221	C12H15NOS	1000296-67-7	27
4	2-(1-Piperidino)-5-nitropyridine	207	C10H13N3O2	026820-61-1	27
5	3-(2,4-Dimethoxyphenyl)butan-2-one	208	C12H16O3	1000191-49-6	25





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Data File : BN005759.D
Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

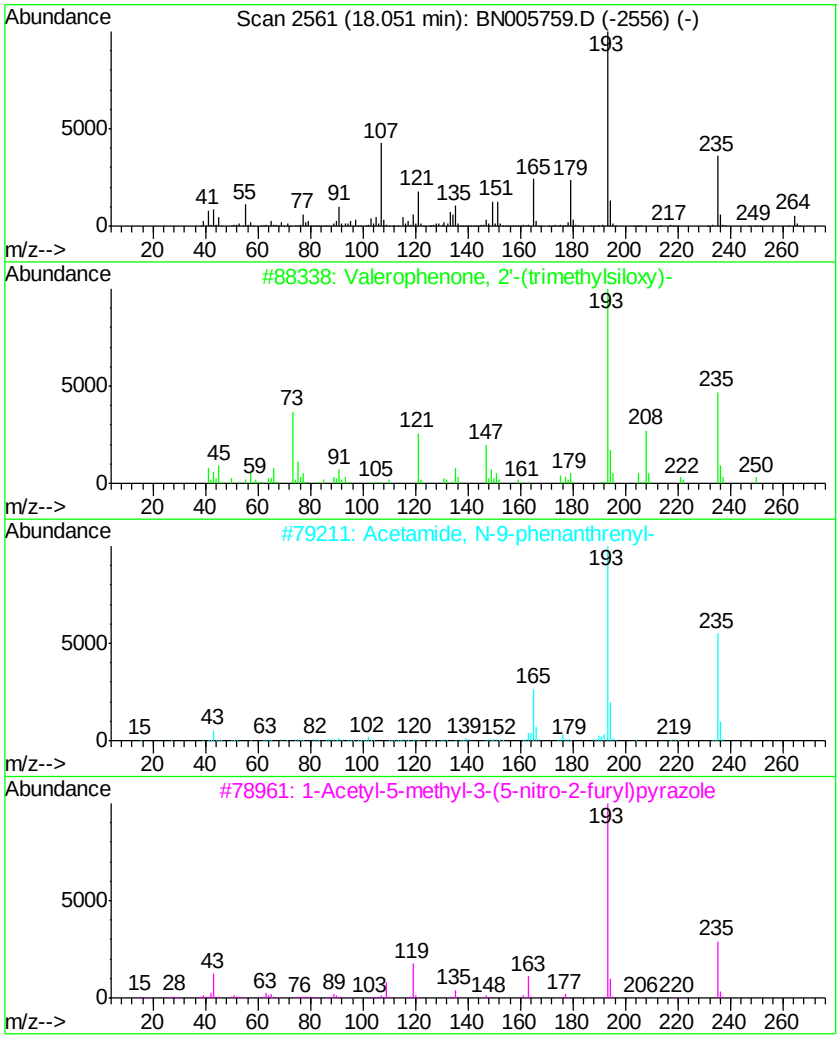
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

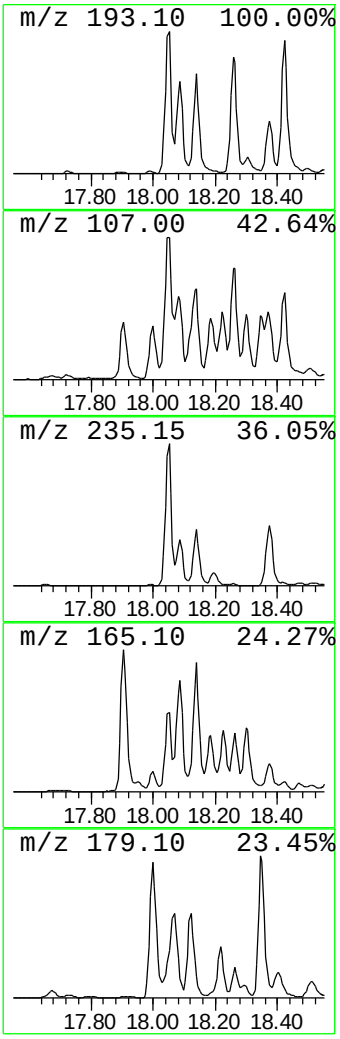
****

Peak Number 23 unknown-06 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	83.17 ng/ul	9056870	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Valerophenone, 2'-(trimethylsilo...	250	C14H22O2Si	033342-91-5	47
2	Acetamide, N-9-phenanthrenyl-	235	C16H13NO	004235-09-0	47
3	1-Acetyl-5-methyl-3-(5-nitro-2-f...	235	C10H9N3O4	016239-91-1	43
4	DESOXY-MINOXIDYL	193	C9H15N5	1000246-13-2	41
5	2-Phenylindolizine	193	C14H11N	025379-20-8	38





Library Search Compound Report

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Data File : BN005759.D
Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

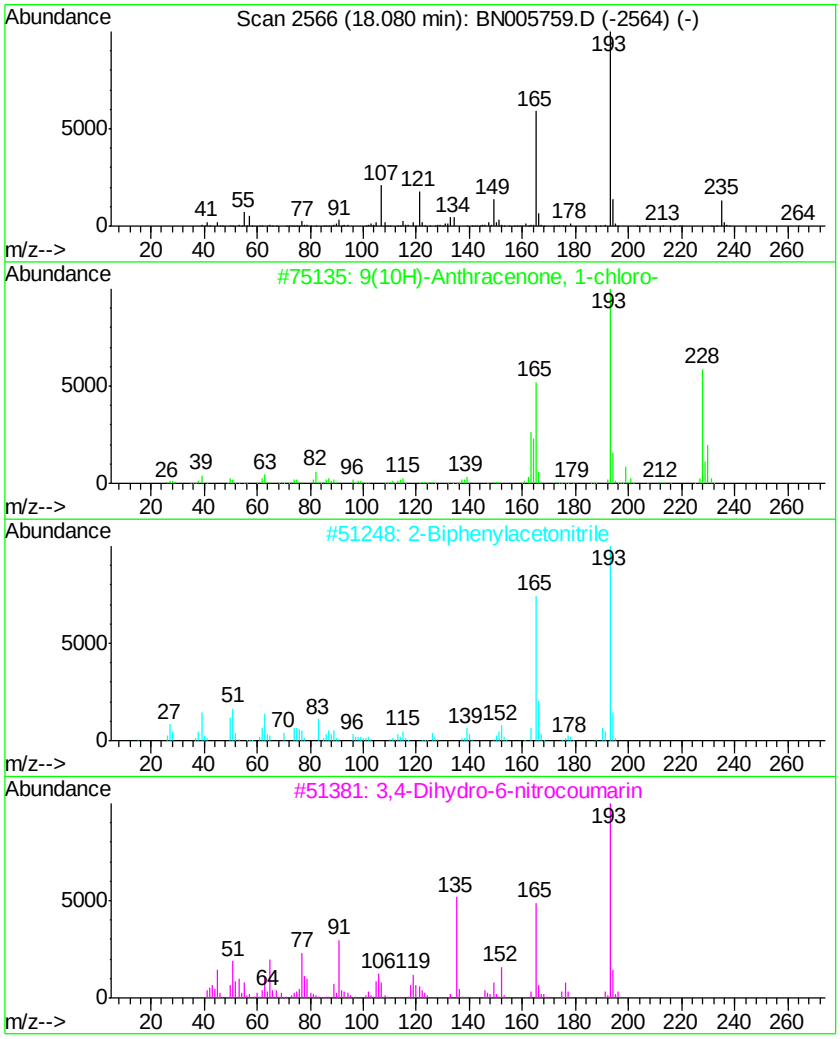
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

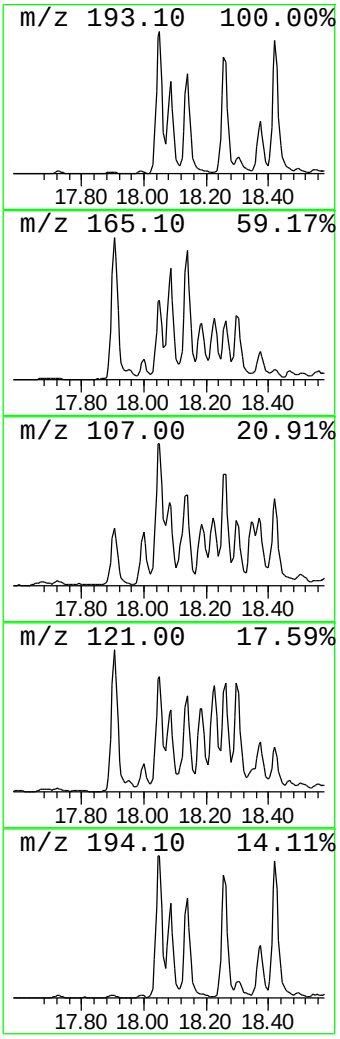
****

Peak Number 24 9(10H)-Anthracenone, 1-chloro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	34.01 ng/ul	3703990	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9(10H)-Anthracenone, 1-chloro-	228	C14H9ClO	004887-98-3	53
2	2-Biphenylacetonitrile	193	C14H11N	019853-10-2	53
3	3,4-Dihydro-6-nitrocoumarin	193	C9H7NO4	020920-99-4	45
4	Iminostilbene	193	C14H11N	000256-96-2	43
5	[1,1'-Biphenyl]-4-acetonitrile	193	C14H11N	031603-77-7	42





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Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

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Quant Title : SVOA CALIBRATION

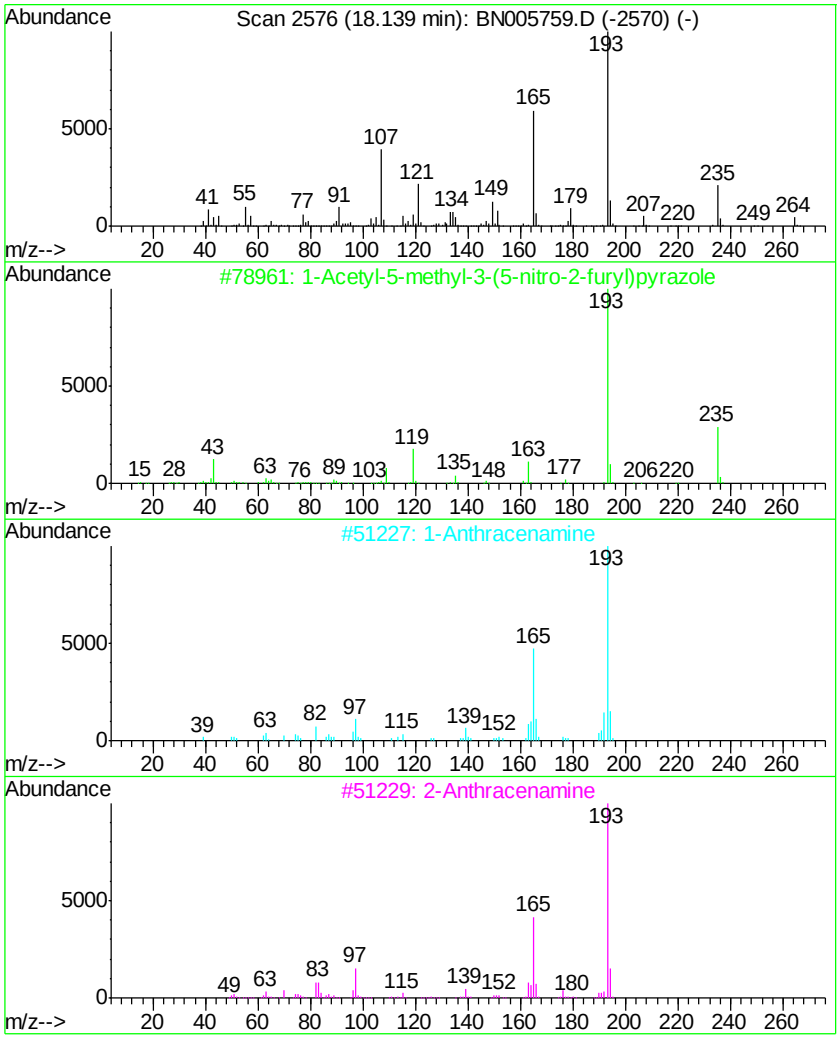
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

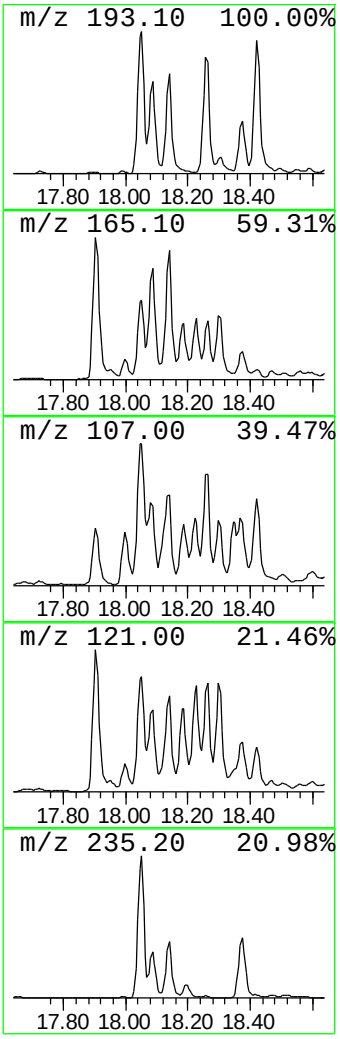
****

Peak Number 25 unknown-07 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	63.96 ng/ul	6965000	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acetyl-5-methyl-3-(5-nitro-2-f...	235	C10H9N3O4	016239-91-1	45
2	1-Anthracenamine	193	C14H11N	000610-49-1	43
3	2-Anthracenamine	193	C14H11N	000613-13-8	43
4	1H-Indole, 2-phenyl-	193	C14H11N	000948-65-2	43
5	Quinolin-2(1H)-one, 3-butyl-6-fl...	235	C13H14FNO2	279691-75-7	43





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Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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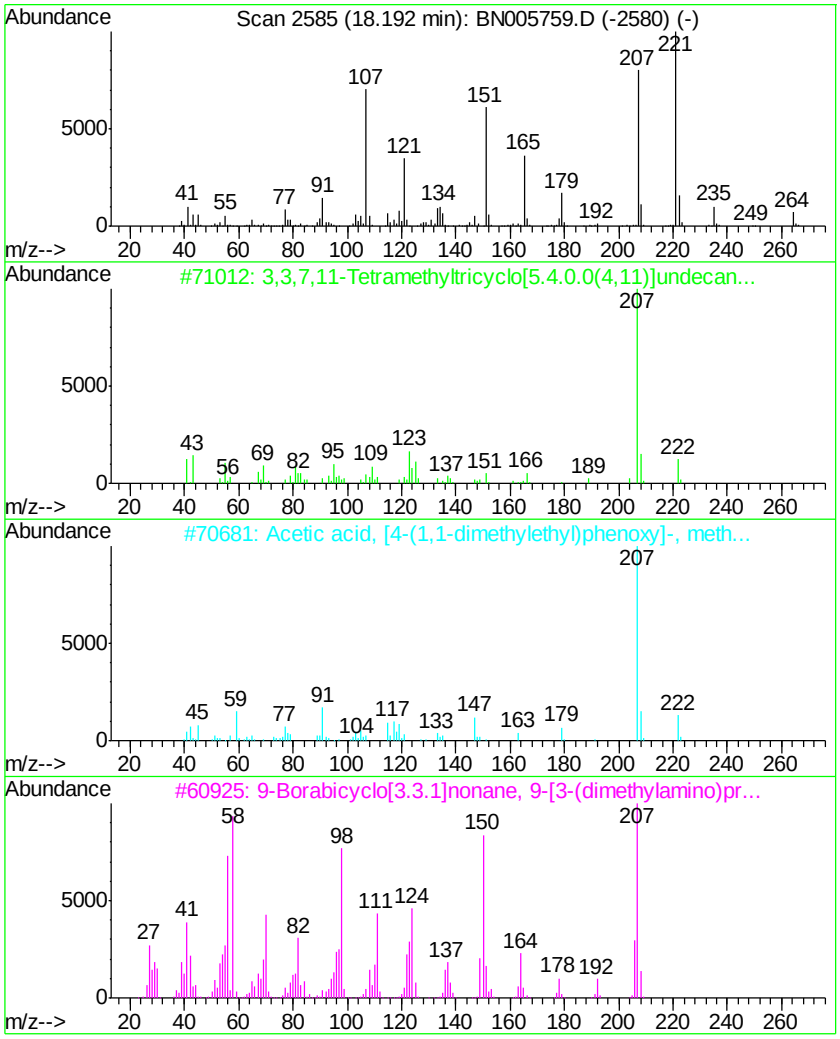
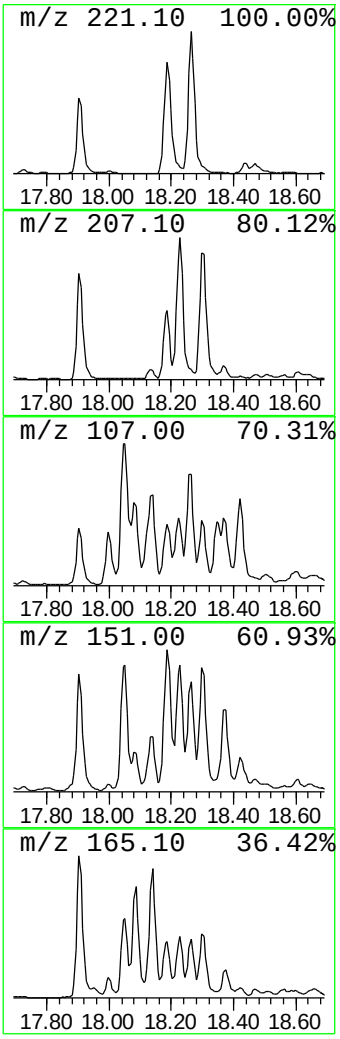
Peak Number 26 unknown-08 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	25.86 ng/ul	2816240	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3,7,11-Tetramethyltricyclo[5.4...	222	C15H26O	117591-80-7	22
2	Acetic acid, [4-(1,1-dimethyleth...	222	C13H18O3	088530-52-3	18
3	9-Borabicyclo[3.3.1]nonane, 9-[3...	207	C13H26BN	1000160-35-2	18
4	1H-1,2,3-Triazole, 4,5-diphenyl-	221	C14H11N3	005533-73-3	16
5	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	14





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Data File : BN005759.D
Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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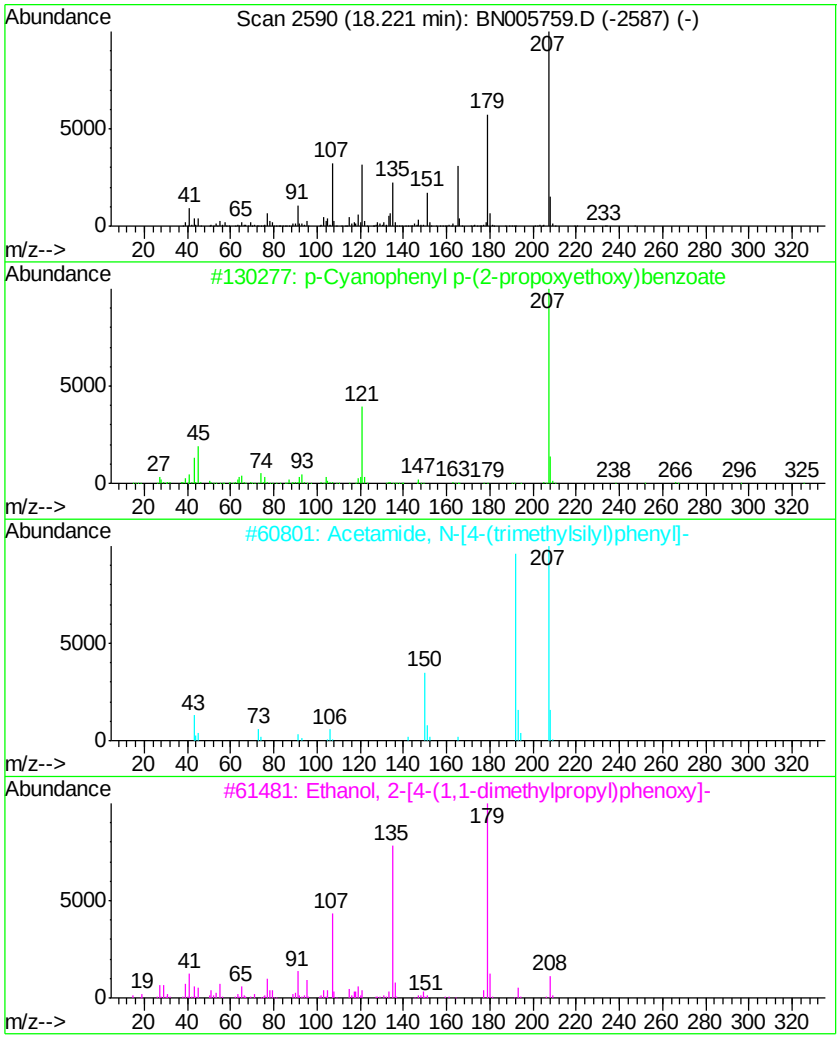
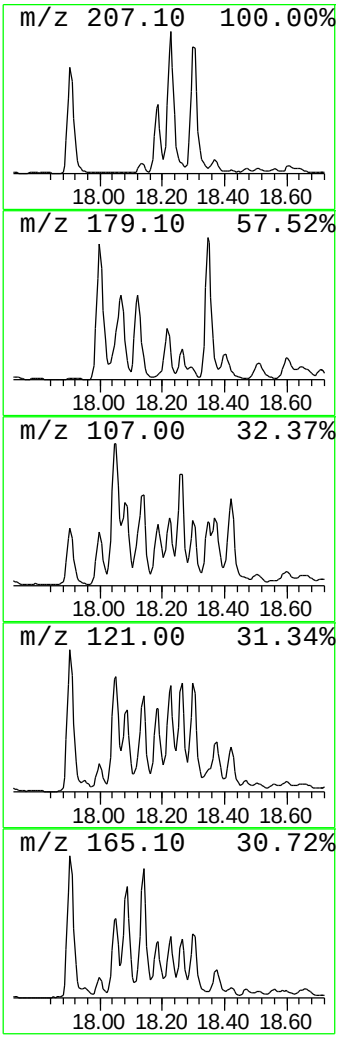
Peak Number 27 unknown-09 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	21.37 ng/ul	2326980	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cyanophenyl p-(2-propoxyethoxy...	325	C19H19NO4	067131-97-9	35
2	Acetamide, N-[4-(trimethylsilyl)...	207	C11H17NOSi	017983-71-0	35
3	Ethanol, 2-[4-(1,1-dimethylpropy...	208	C13H20O2	006382-07-6	35
4	Benzo[h]quinoline, 2,4-dimethyl-	207	C15H13N	000605-67-4	32
5	1H-Benzo[4,5]furo[3,2-f]indole	207	C14H9NO	000242-97-7	25





Library Search Compound Report

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Data File : BN005759.D
Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

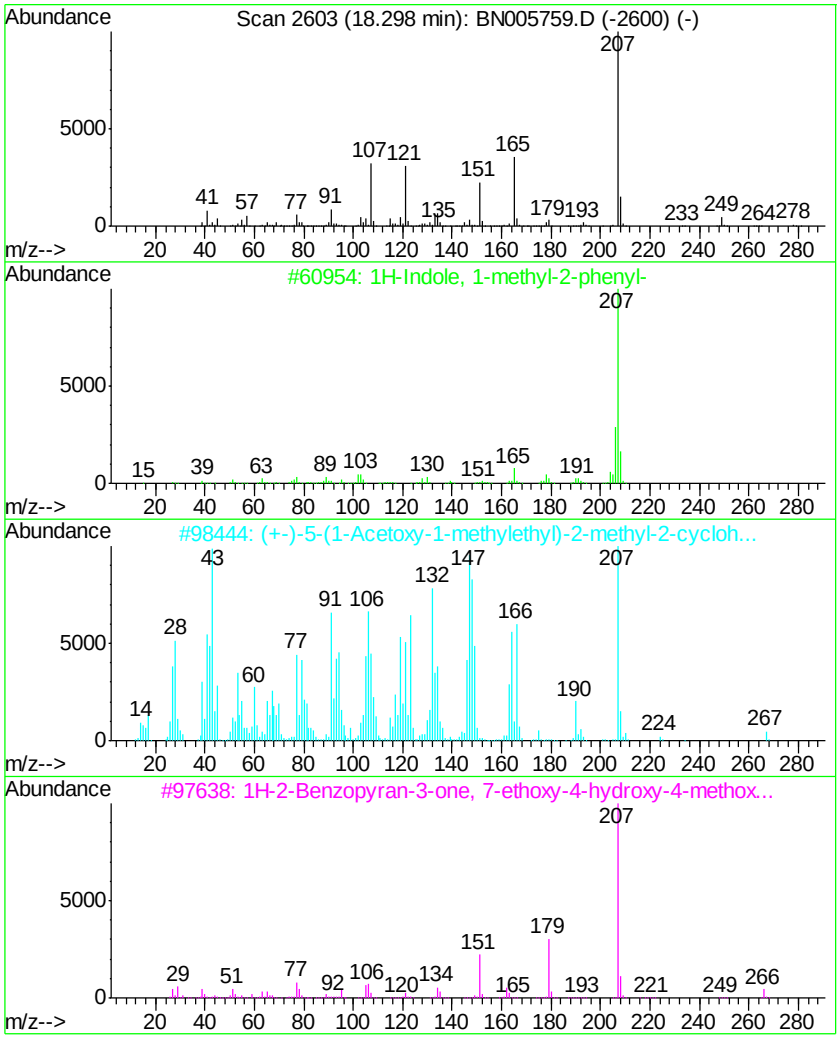
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

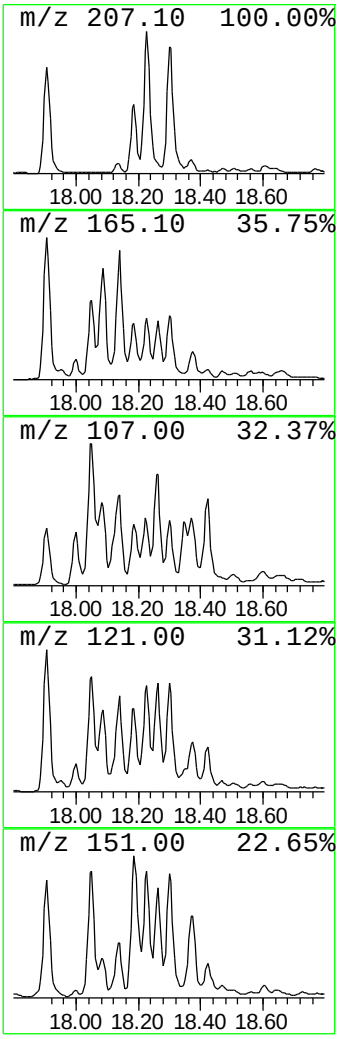
****

Peak Number 29 1H-Indole, 1-methyl-2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	27.80 ng/ul	3027200	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	50
2	(+-)-5-(1-Acetoxy-1-methylethyl)...	267	C13H21N3O3	108904-53-6	43
3	1H-2-Benzopyran-3-one, 7-ethoxy-...	266	C13H14O6	1000158-14-3	40
4	Acetamide, N-[4-(trimethylsilyl)...	207	C11H17NOSi	017983-71-0	37
5	1-Methyl-3-phenylindole	207	C15H13N	030020-98-5	28





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Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

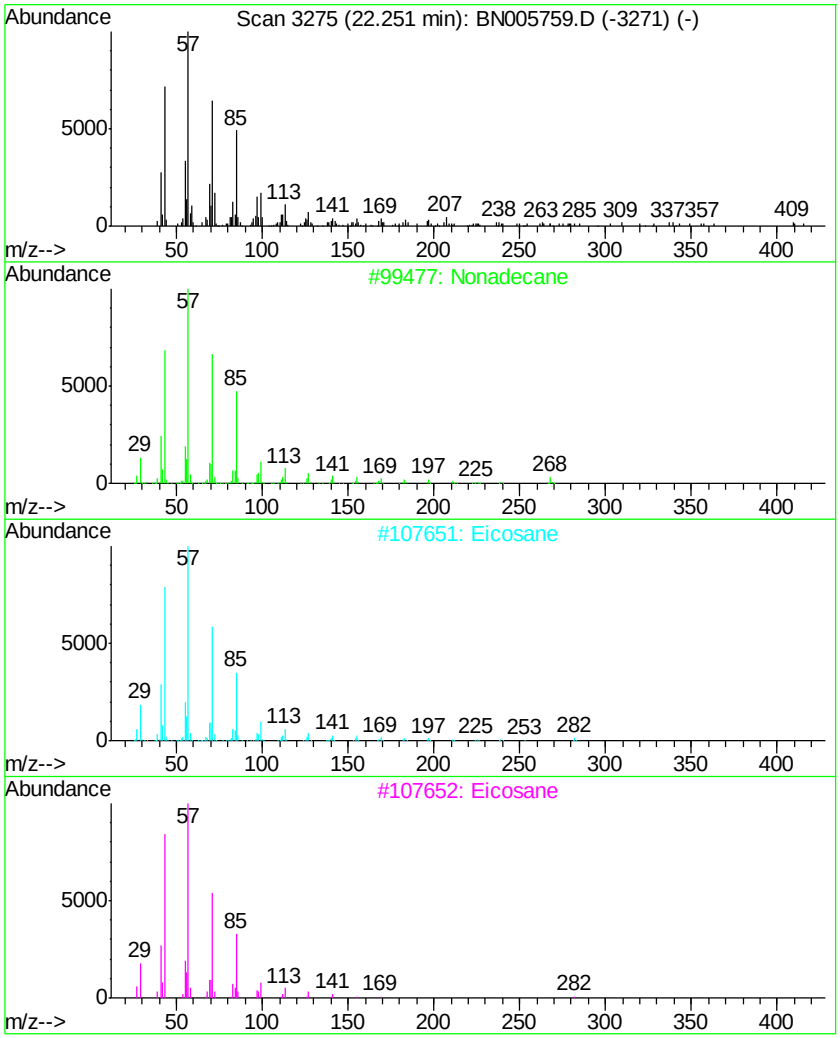
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

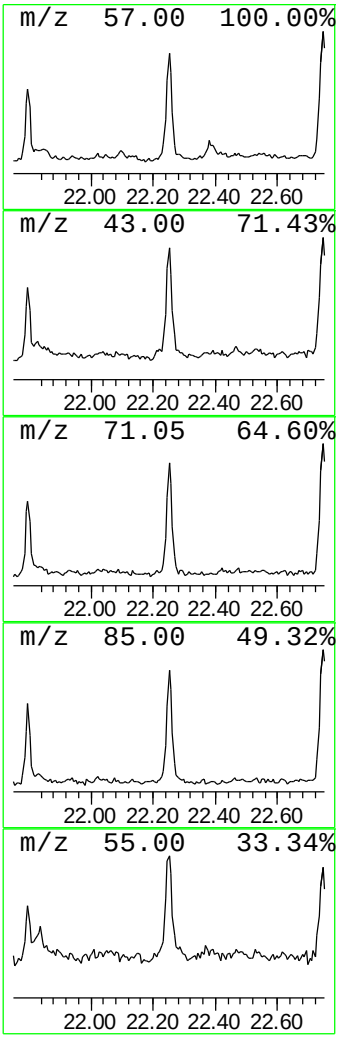
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.25	2.52 ng/ul	329351	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Eicosane	282	C20H42	000112-95-8	92
3	Eicosane	282	C20H42	000112-95-8	89
4	Eicosane	282	C20H42	000112-95-8	89
5	Hentriacontane	437	C31H64	000630-04-6	87





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Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

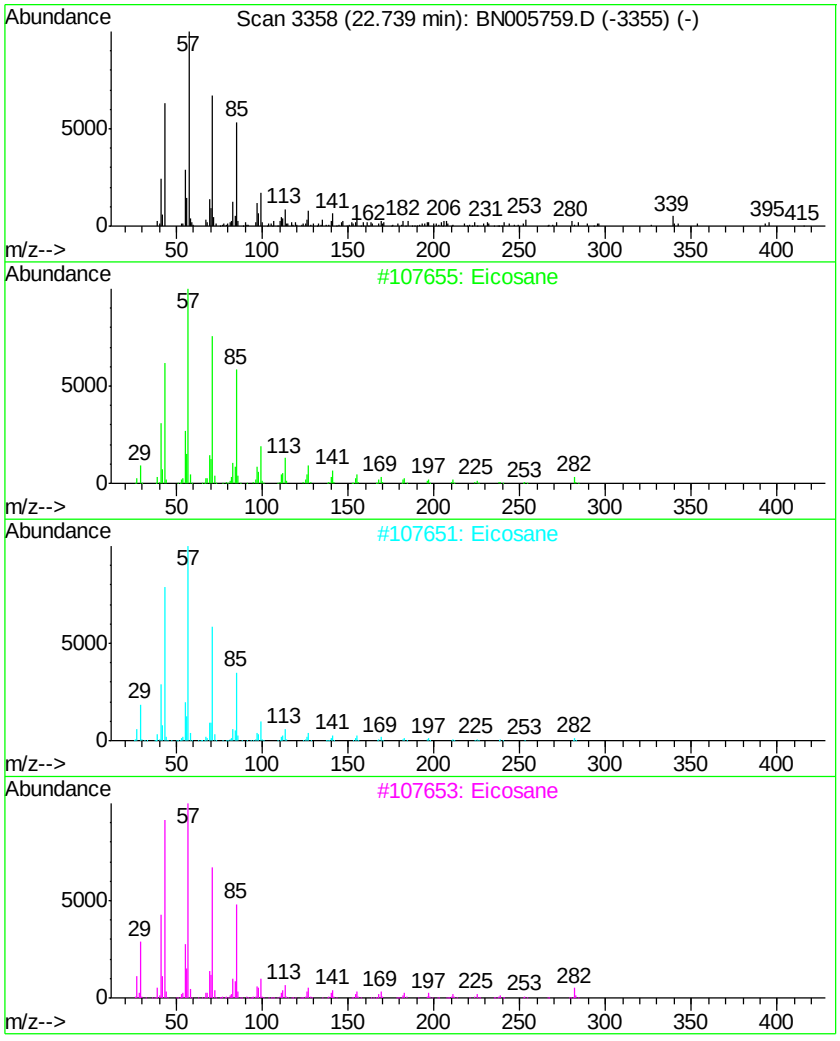
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

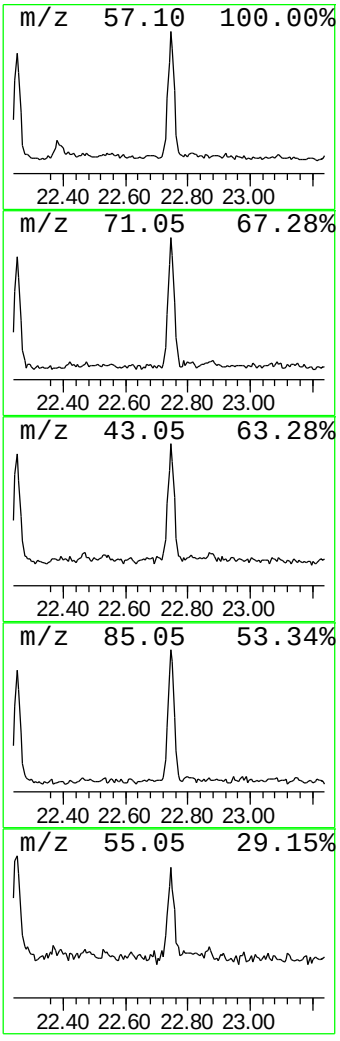
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.74	2.09 ng/ul	280819	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Eicosane	282	C20H42	000112-95-8	93
3	Eicosane	282	C20H42	000112-95-8	93
4	Hexatriacontane	507	C36H74	000630-06-8	91
5	Tetratetracontane	619	C44H90	007098-22-8	90





Library Search Compound Report

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Data File : BN005759.D
Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

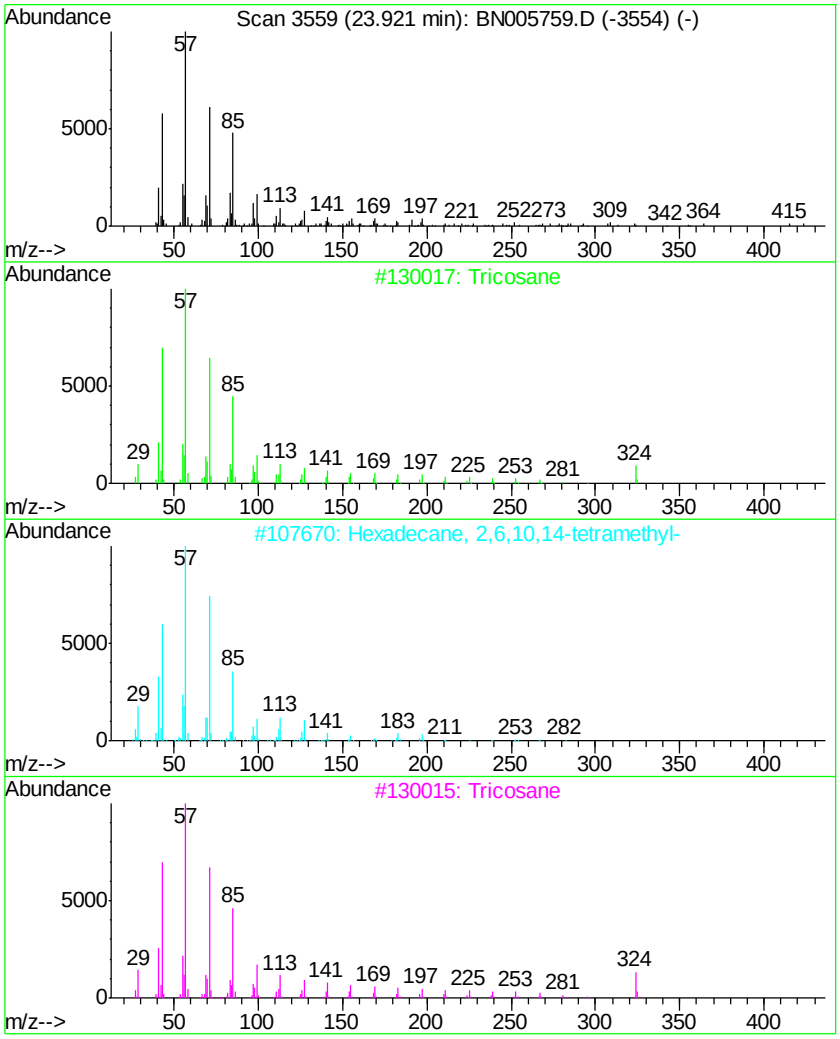
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

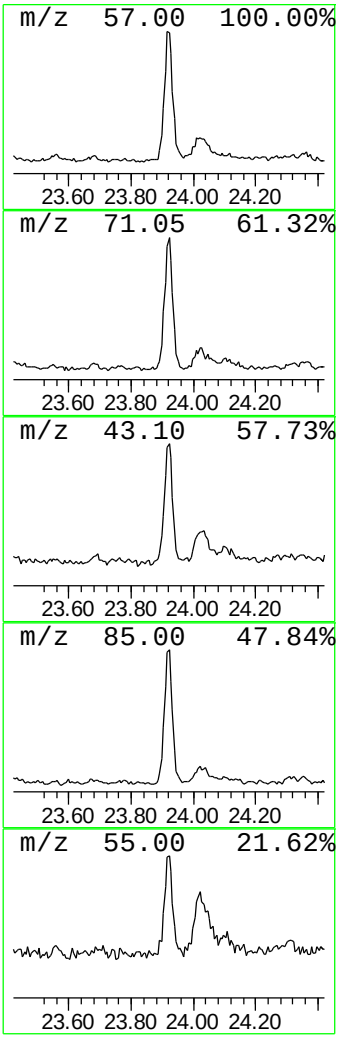
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.92	2.46 ng/ul	330070	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	93
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	93
3	Tricosane	324	C23H48	000638-67-5	91
4	Tricosane	324	C23H48	000638-67-5	91
5	Tetratetracontane	619	C44H90	007098-22-8	90





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Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

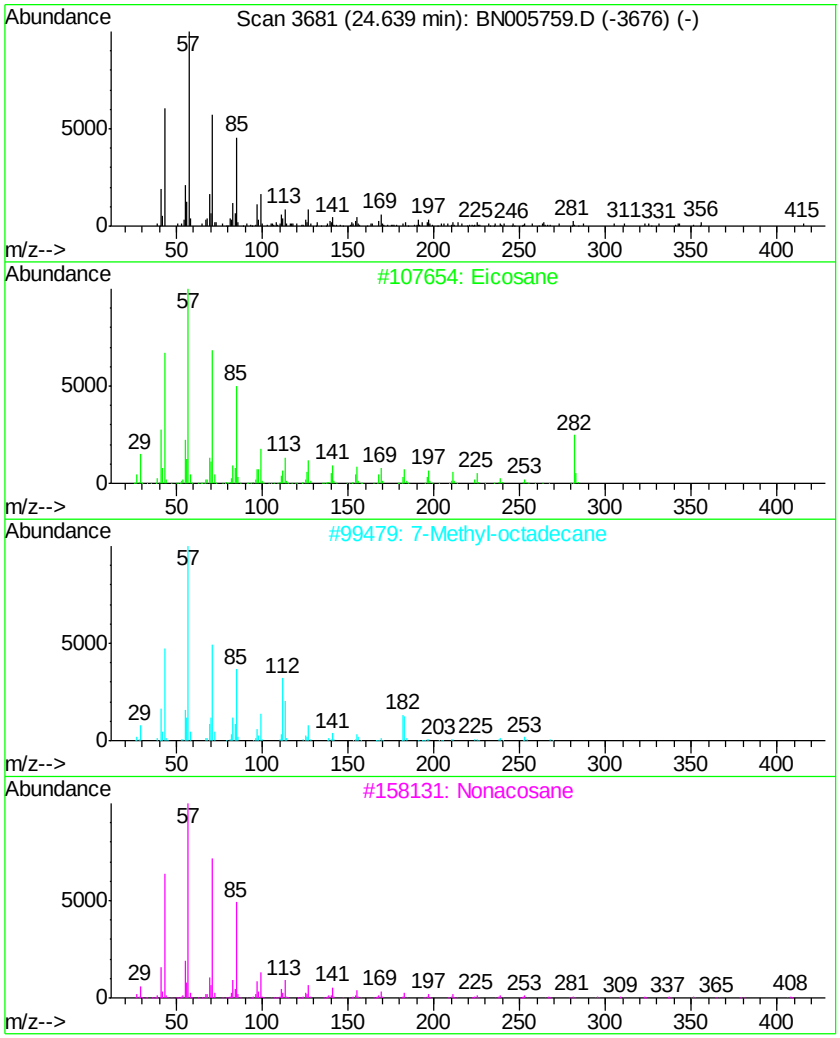
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

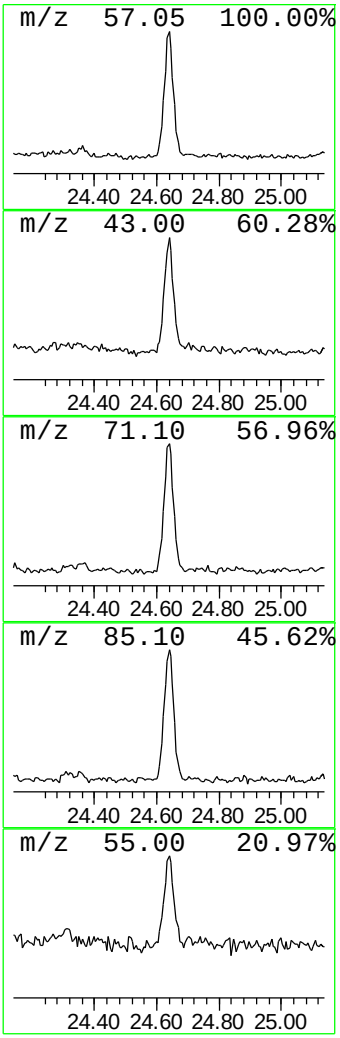
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.64	2.06 ng/ul	277404	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	7-Methyl-octadecane	268	C19H40	1000192-63-3	90
3	Nonacosane	408	C29H60	000630-03-5	87
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	87





Tentatively Identified Compound (LSC) summary

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Data File : BN005759.D
Acq On : 18 May 2019 18:45
Operator : JU/SJ
Sample : K2690-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5158

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenol, 4-(1,1-di...	15.67	9.7	ng/ul	1053240	4	16.97	2177870	20.0
unknown-01	15.70	8.4	ng/ul	911179	4	16.97	2177870	20.0
Pentanoic acid, 5...	15.74	4.1	ng/ul	447785	4	16.97	2177870	20.0
unknown-02	15.97	12.4	ng/ul	1352500	4	16.97	2177870	20.0
Phenol, 4-(1,1,3,...	16.06	80.5	ng/ul	8764310	4	16.97	2177870	20.0
Acetamide, N-(2-m...	16.13	95.8	ng/ul	10433400	4	16.97	2177870	20.0
Tricyclo[3.3.1.1(...	16.23	27.0	ng/ul	2943260	4	16.97	2177870	20.0
unknown-03	16.30	22.1	ng/ul	2408540	4	16.97	2177870	20.0
2-Methyl-4-hydrox...	16.52	24.6	ng/ul	2673600	4	16.97	2177870	20.0
Phenol, m-tert-bu...	16.66	3.9	ng/ul	426554	4	16.97	2177870	20.0
unknown-04	16.86	2.2	ng/ul	243489	4	16.97	2177870	20.0
2-(4-Formyl-pheno...	17.34	10.0	ng/ul	1089600	4	16.97	2177870	20.0
Benzoic acid, 4-n...	17.67	5.3	ng/ul	572222	4	16.97	2177870	20.0
unknown-05	17.73	2.1	ng/ul	226477	4	16.97	2177870	20.0
1-(4-Nitrophenyl)...	17.90	52.3	ng/ul	5695590	4	16.97	2177870	20.0
unknown-06	18.05	83.2	ng/ul	9056870	4	16.97	2177870	20.0
9(10H)-Anthraceno...	18.08	34.0	ng/ul	3703990	4	16.97	2177870	20.0
unknown-07	18.14	64.0	ng/ul	6965000	4	16.97	2177870	20.0
unknown-08	18.19	25.9	ng/ul	2816240	4	16.97	2177870	20.0
unknown-09	18.22	21.4	ng/ul	2326980	4	16.97	2177870	20.0
1H-Indole, 1-meth...	18.30	27.8	ng/ul	3027200	4	16.97	2177870	20.0
(DEL) Alkane: Str...	22.25	2.5	ng/ul	329351	5	21.20	2608770	20.0
(DEL) Alkane: Str...	22.74	2.1	ng/ul	280819	6	23.42	2687860	20.0
(DEL) Alkane: Str...	23.92	2.5	ng/ul	330070	6	23.42	2687860	20.0
(DEL) Alkane: Str...	24.64	2.1	ng/ul	277404	6	23.42	2687860	20.0