LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042023.D
Acq On : 7 Aug 2019 9:51
Operator : HP/JU
Sample : K4028-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENY9

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_G\METHODS\SOM-EPA-BG080319MA.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	3.143	5	9	28	rVB	1470310	2296866	64.57%	4.060%
2	7.174	688	695	707	rBV	171268	327195	9.20%	0.578%
3	7.344	717	724	734	rBV	127397	222072	6.24%	0.392%
4	7.550	753	759	770	rBV	183208	332375	9.34%	0.587%
5	8.026	833	840	849	rBV	227058	390102	10.97%	0.689%
6	8.731	952	960	977	rBV	218908	407167	11.45%	0.720%
7	9.189	1031	1038	1049	rBV	171514	312389	8.78%	0.552%
8	9.918	1155	1162	1174	rBV	148223	277105	7.79%	0.490%
9	10.464	1247	1255	1270	rBV	257759	499076	14.03%	0.882%
10	10.852	1312	1321	1327	rBV	346621	618680	17.39%	1.093%
11	10.981	1336	1343	1364	rBV	125633	276835	7.78%	0.489%
12	12.520	1598	1605	1612	rVB4	10109	21171	0.60%	0.037%
13	14.013	1852	1859	1864	rBV4	15674	30423	0.86%	0.054%
14	14.083	1864	1871	1876	rVV	565662	842084	23.67%	1.488%
15	14.130	1876	1879	1885	rVV	213880	297160	8.35%	0.525%
16	14.377	1910	1921	1938	rBV	642492	1086332	30.54%	1.920%
17	14.688	1964	1974	1980	rBV	608452	991102	27.86%	1.752%
18	14.747	1980	1984	1992	rVB	51051	82892	2.33%	0.147%
19	14.871	1998	2005	2018	rBV	127519	271002	7.62%	0.479%
20	15.088	2036	2042	2049	rVV2	43253	78174	2.20%	0.138%
21	15.159	2049	2054	2059	rVB2	12703	20613	0.58%	0.036%
22	15.305	2069	2079	2084	rBV7	11014	24798	0.70%	0.044%
23	15.488	2102	2110	2117	rBV8	13807	41596	1.17%	0.074%
24	15.681	2132	2143	2148	rVV	870855	1347651	37.89%	2.382%
25	15.734	2148	2152	2157	rVV	67893	109545	3.08%	0.194%
26	15.793	2157	2162	2170	rVV	205247	333874	9.39%	0.590%
27	15.858	2170	2173	2176	rVV2	19151	32166	0.90%	0.057%
28	15.899	2177	2180	2186	rVV7	20283	52650	1.48%	0.093%
29	15.963	2186	2191	2197	rVV3	30021	71333	2.01%	0.126%
30	16.034	2198	2203	2211	rVB3	24526	49353	1.39%	0.087%
31	16.175	2222	2227	2236	rVB3	23085	52099	1.46%	0.092%
32	16.275	2236	2244	2249	rVB5	30457	62995	1.77%	0.111%
33	16.404	2258	2266	2273	rBV7	34440	80113	2.25%	0.142%
34	16.715	2315	2319	2321	rVV3	24686	36009	1.01%	0.064%

LSC Area Percent Report

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Sample : K4028-07
Misc :
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Instrument : BNA_G
ClientSampleId : BENY9

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_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

35	16.745	2321	2324	2328	rVV4	30851	50175	1.41%	0.089%
36	16.786	2328	2331	2336	rVV3	24966	45496	1.28%	0.080%
37	16.833	2336	2339	2345	rVV6	22936	47314	1.33%	0.084%
38	16.892	2347	2349	2354	rVV5	16523	20778	0.58%	0.037%
39	16.968	2360	2362	2365	rVV4	19956	28434	0.80%	0.050%
40	17.009	2366	2369	2373	rVV4	28447	45910	1.29%	0.081%
41	17.086	2377	2382	2390	rVB	46918	80852	2.27%	0.143%
42	17.256	2406	2411	2420	rVB	55225	88705	2.49%	0.157%
43	17.338	2420	2425	2431	rVB5	23062	47125	1.32%	0.083%
44	17.438	2436	2442	2445	rBV2	759829	1172911	32.97%	2.073%
45	17.479	2445	2449	2454	rVB	930653	1343385	37.77%	2.374%
46	17.538	2454	2459	2463	rBV	913639	1364501	38.36%	2.412%
47	17.632	2469	2475	2480	rVB3	43572	81730	2.30%	0.144%
48	17.714	2485	2489	2492	rBV6	16120	24192	0.68%	0.043%
49	17.838	2503	2510	2514	rBV2	95542	165327	4.65%	0.292%
50	18.020	2537	2541	2547	rBV	50375	77012	2.17%	0.136%
51	18.161	2561	2565	2570	rBV2	22320	41552	1.17%	0.073%
52	18.331	2587	2594	2597	rBV2	233907	552773	15.54%	0.977%
53	18.366	2597	2600	2604	rVB	243555	345308	9.71%	0.610%
54	18.443	2609	2613	2618	rVV	71494	114945	3.23%	0.203%
55	18.508	2618	2624	2628	rVV2	334238	610921	17.17%	1.080%
56	18.543	2628	2630	2637	rVB	138973	220271	6.19%	0.389%
57	18.813	2671	2676	2679	rBV	128369	194806	5.48%	0.344%
58	18.848	2679	2682	2691	rVB2	196983	295206	8.30%	0.522%
59	19.060	2715	2718	2721	rVB	66812	74962	2.11%	0.132%
60	19.107	2723	2726	2729	rVV	57058	73190	2.06%	0.129%
61	19.148	2730	2733	2737	rVB2	56236	69328	1.95%	0.123%
62	19.230	2742	2747	2751	rBV	168240	273979	7.70%	0.484%
63	19.324	2760	2763	2766	rVB2	66516	70817	1.99%	0.125%
64	19.365	2766	2770	2778	rVB	164275	282370	7.94%	0.499%
65	19.495	2786	2792	2798	rVB	2307302	3375479	94.90%	5.966%
66	19.553	2799	2802	2805	rBV	64243	78633	2.21%	0.139%
67	19.594	2805	2809	2813	rVV3	62332	99945	2.81%	0.177%
68	19.824	2843	2848	2851	rBV3	1481140	2538056	71.35%	4.486%
69	19.859	2851	2854	2861	rVV	2025167	2834092	79.68%	5.009%
70	19.924	2862	2865	2871	rVB2	119807	185370	5.21%	0.328%
71	20.029	2879	2883	2888	rBV	110547	154449	4.34%	0.273%

LSC Area Percent Report

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Sample : K4028-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENY9

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_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

72	20.088	2889	2893	2898	rVB2	132141	229619	6.46%	0.406%
73	20.176	2903	2908	2914	rBV3	186223	437504	12.30%	0.773%
74	20.311	2927	2931	2932	rBV2	109762	146717	4.12%	0.259%
75	20.347	2933	2937	2942	rVB	378521	560330	15.75%	0.990%
76	20.446	2950	2954	2958	rVB	269559	320777	9.02%	0.567%
77	20.505	2959	2964	2968	rVB2	240320	351499	9.88%	0.621%
78	20.646	2984	2988	2991	rBV	163159	215911	6.07%	0.382%
79	20.687	2992	2995	2999	rVB	180800	235117	6.61%	0.416%
80	21.110	3063	3067	3073	rVB	244493	432776	12.17%	0.765%
81	21.298	3092	3099	3103	rBV3	243043	526896	14.81%	0.931%
82	21.340	3103	3106	3109	rVV	227350	346263	9.73%	0.612%
83	21.387	3110	3114	3119	rVV2	304880	658412	18.51%	1.164%
84	21.445	3120	3124	3134	rVB2	240296	467139	13.13%	0.826%
85	21.616	3149	3153	3157	rVB	385951	539632	15.17%	0.954%
86	21.710	3163	3169	3175	rBV4	1391849	3557039	100.00%	6.287%
87	21.768	3175	3179	3192	rVB	1191542	2170117	61.01%	3.836%
88	21.927	3201	3206	3213	rBV2	358391	656783	18.46%	1.161%
89	22.133	3236	3241	3248	rBV2	147537	302006	8.49%	0.534%
90	22.544	3307	3311	3318	rVB3	211148	389486	10.95%	0.688%
91	23.261	3429	3433	3442	rVB	293546	536970	15.10%	0.949%
92	23.960	3543	3552	3559	rBV	898023	3047510	85.68%	5.386%
93	24.689	3669	3676	3683	rBV	468332	1284926	36.12%	2.271%
94	24.771	3684	3690	3696	rVV	558895	1532896	43.09%	2.709%
95	24.841	3696	3702	3717	rVB	747949	2142394	60.23%	3.787%
96	24.994	3720	3728	3734	rBV2	464246	1314796	36.96%	2.324%
97	25.065	3735	3740	3750	rVB	489526	1231194	34.61%	2.176%
98	27.620	4167	4175	4187	rVB2	220481	748430	21.04%	1.323%
99	28.719	4353	4362	4386	rVB3	349907	1842681	51.80%	3.257%
100	29.888	4550	4561	4574	rVB3	267137	1208552	33.98%	2.136%

Sum of corrected areas: 56579668

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
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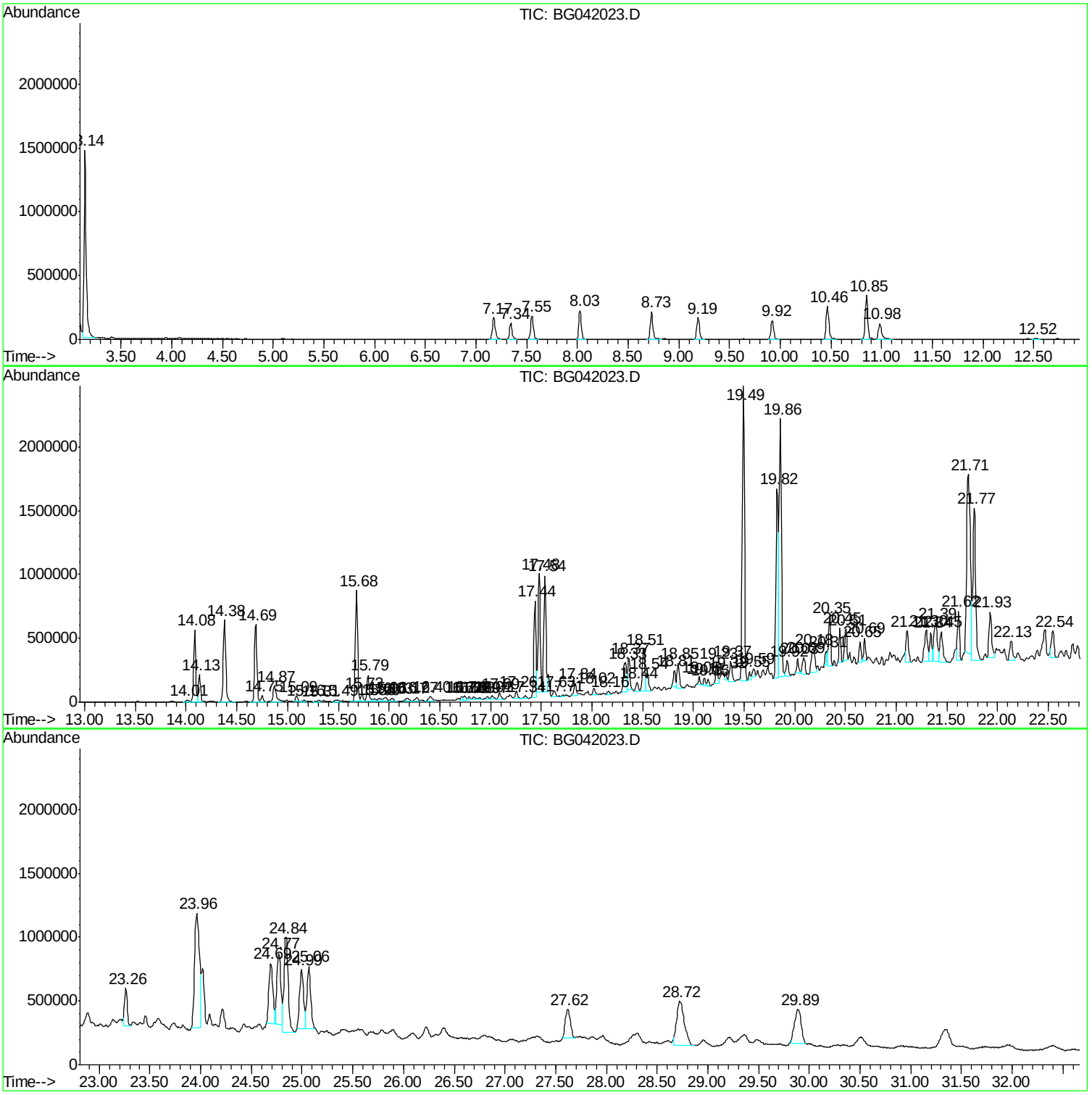
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENY9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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 G\DATA\BG080619\
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Instrument : BNA_G
ClientSampleId : BENY9

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Quant Title : SVOA CALIBRATION

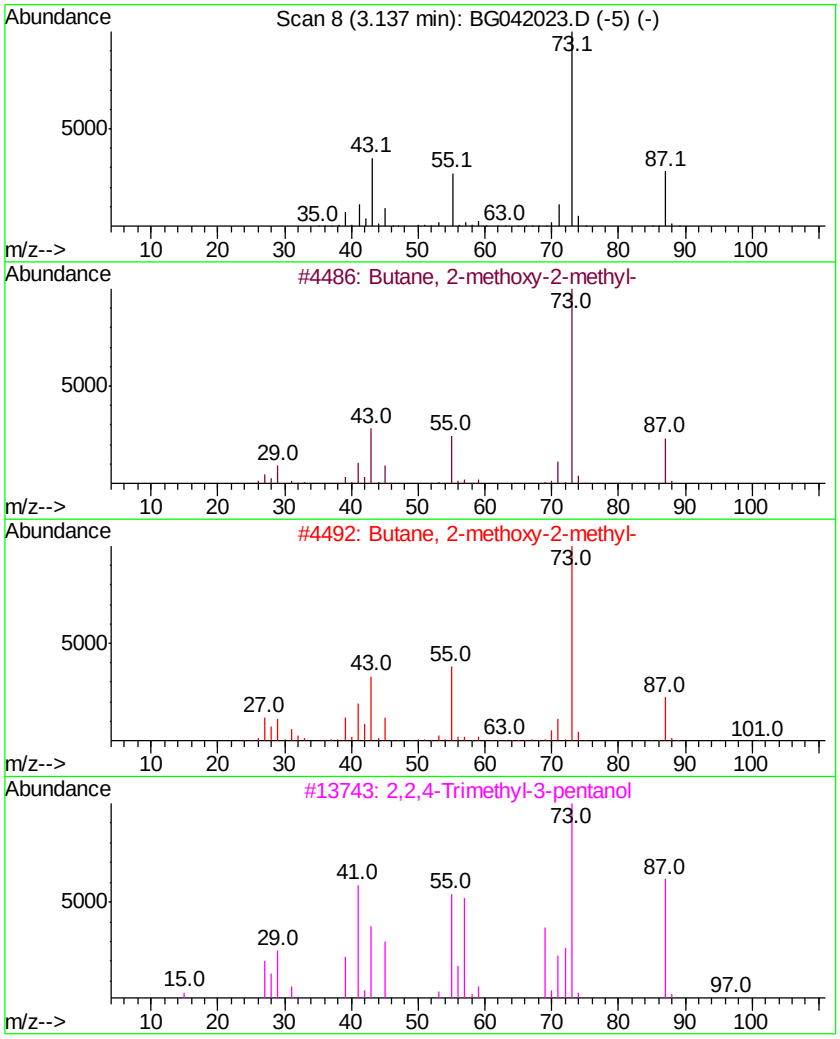
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

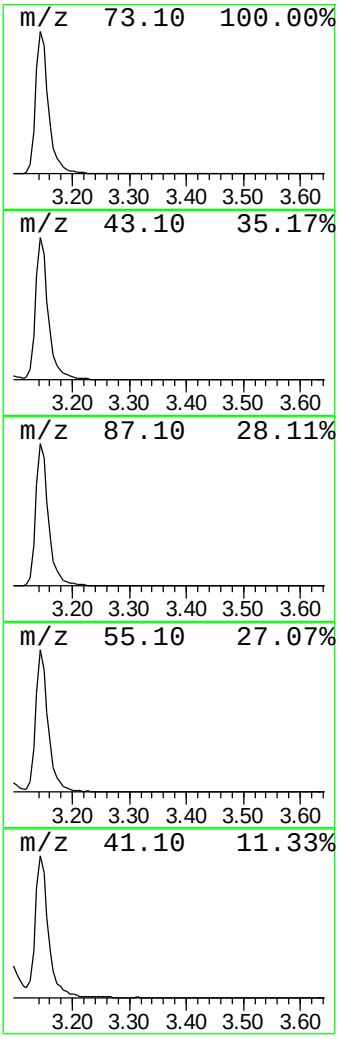
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	117.76 ng/ul	2296870	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	59
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : BENY9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

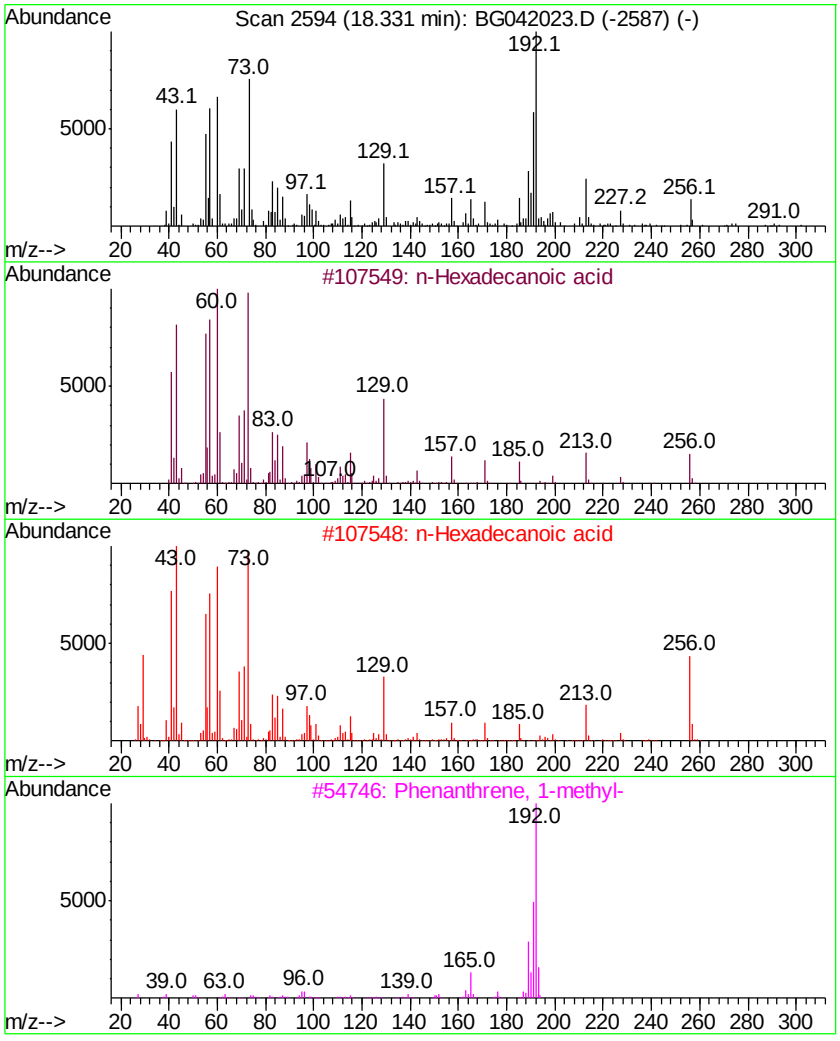
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

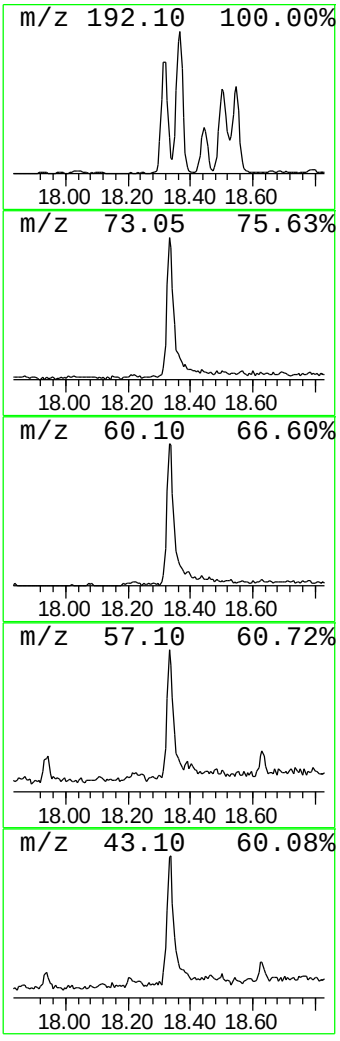
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	9.43 ng/ul	552773	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
4	Tridecanoic acid	214	C13H26O2	000638-53-9	78
5	Tridecanoic acid	214	C13H26O2	000638-53-9	76





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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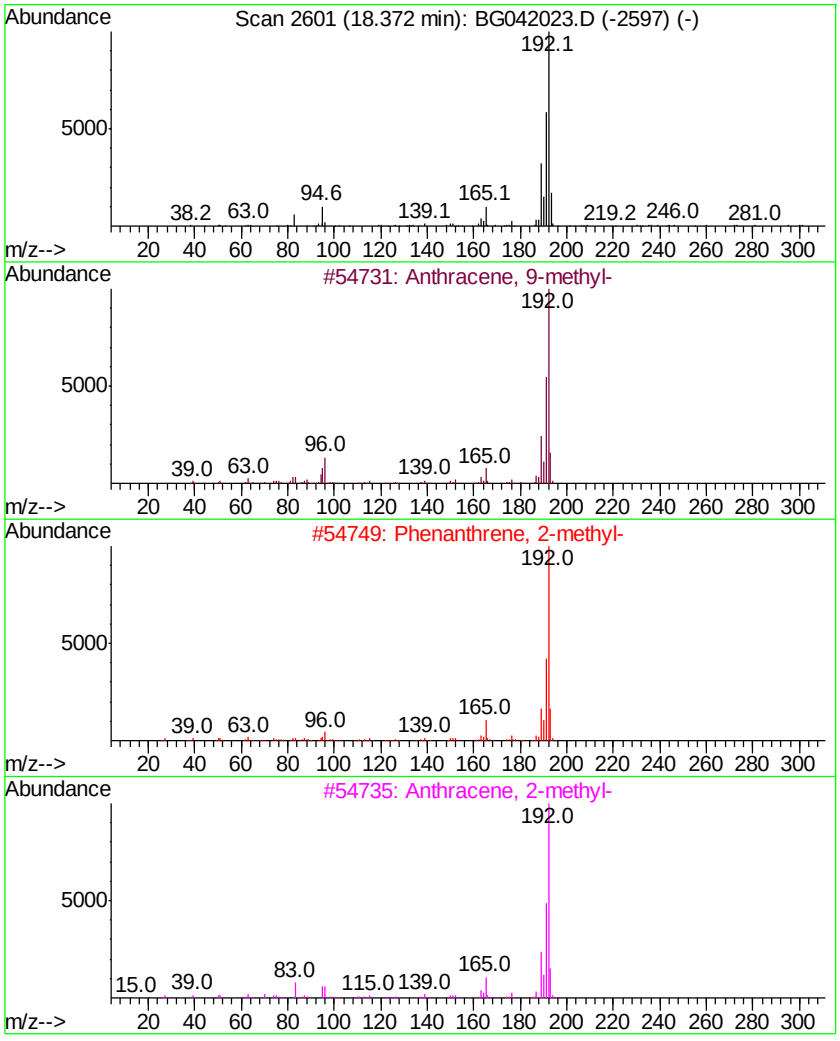
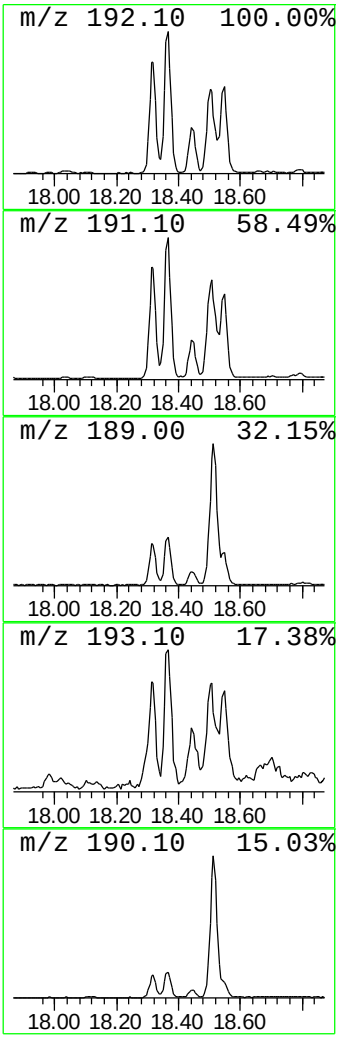
****

Peak Number 3 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	5.89 ng/ul	345308	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Sample : K4028-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENY9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

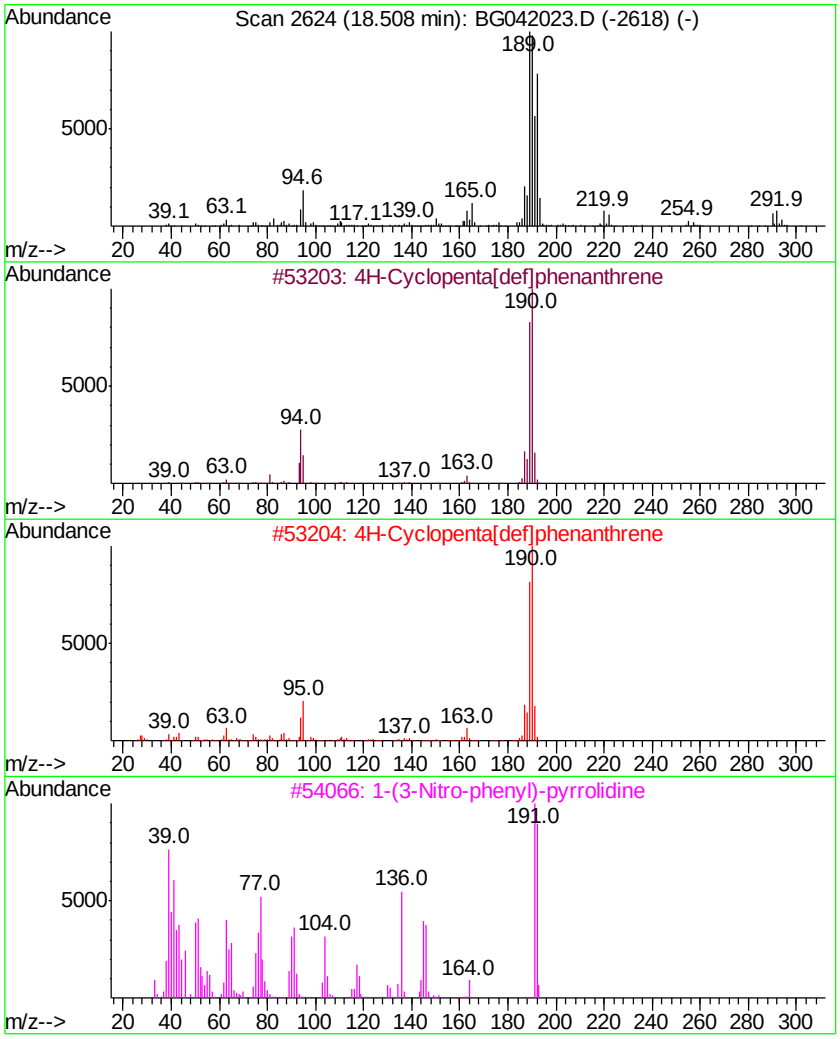
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

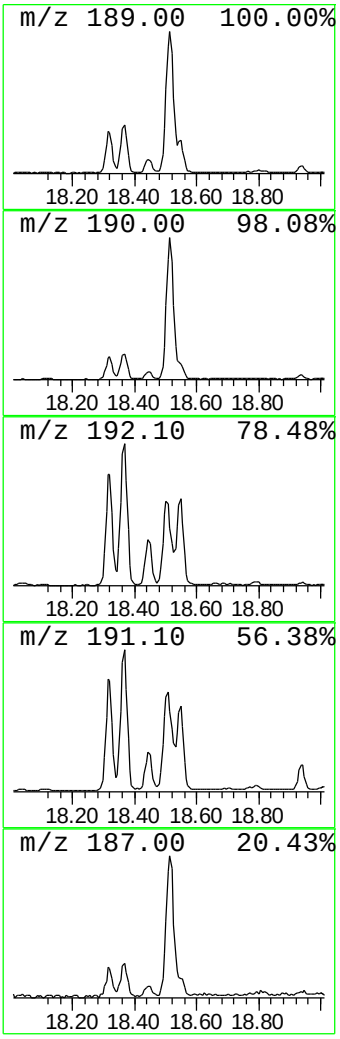
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	10.42 ng/ul	610921	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	38
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	30





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENY9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

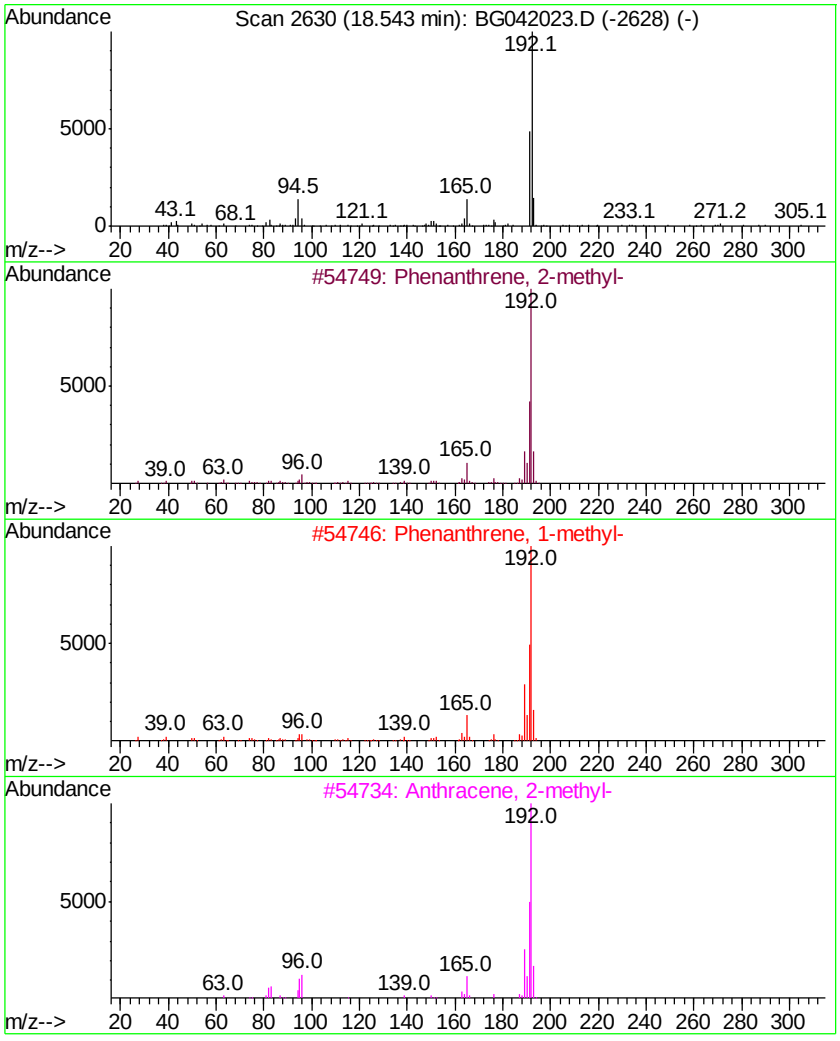
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

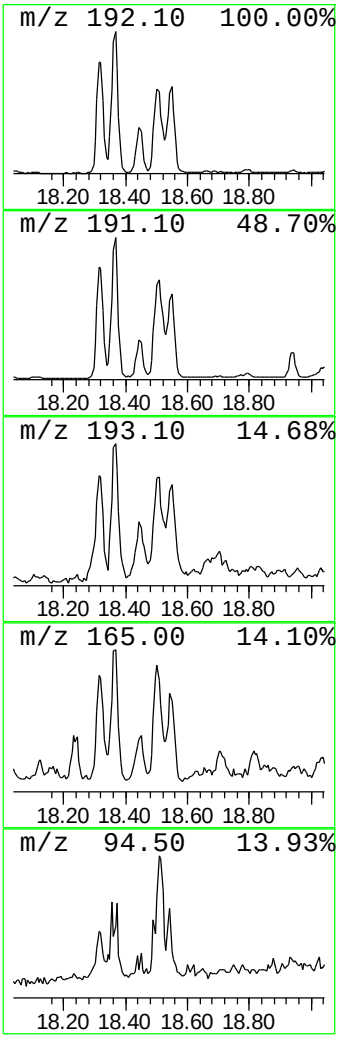
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	3.76 ng/ul	220271	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	86





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Misc :
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ClientSampleId : BENY9

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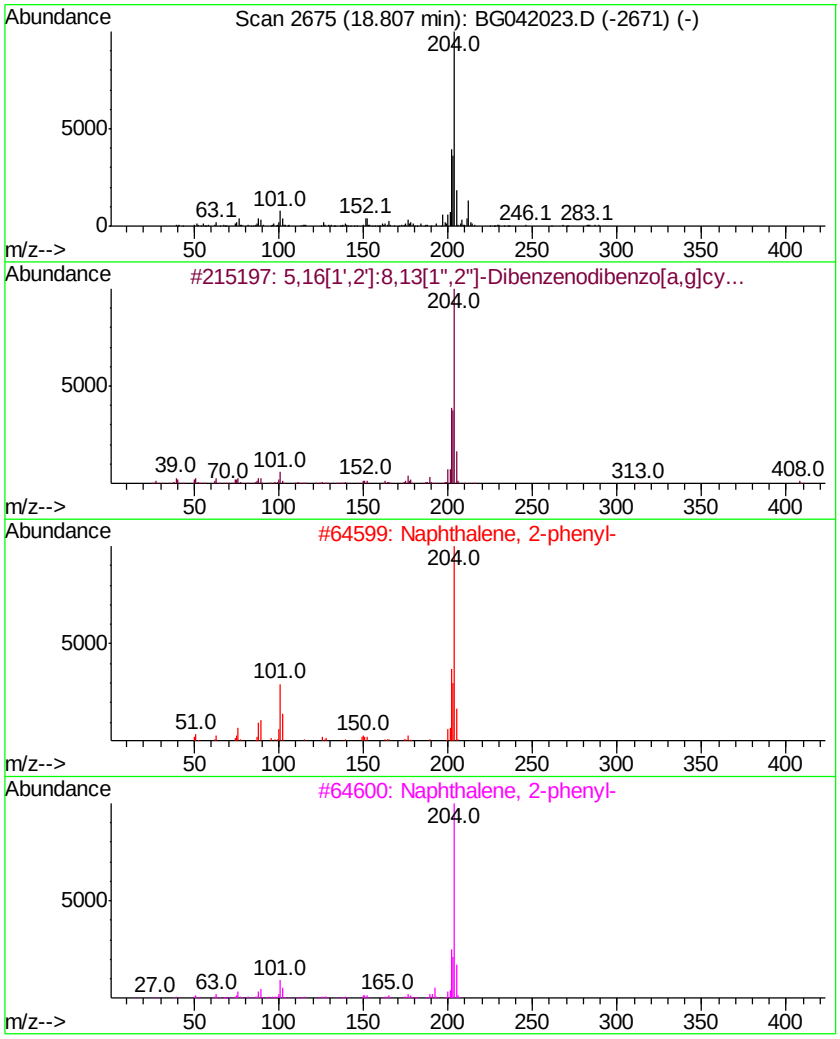
Quant Title : SVOA CALIBRATION

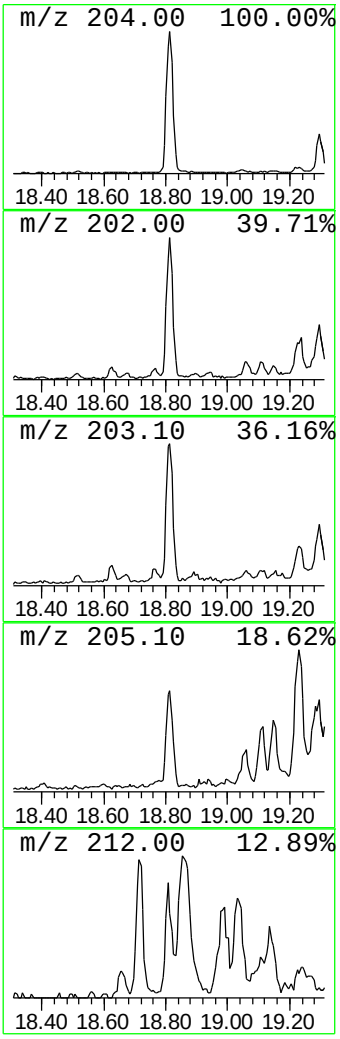
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	3.32 ng/ul	194806	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Quant Title : SVOA CALIBRATION

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

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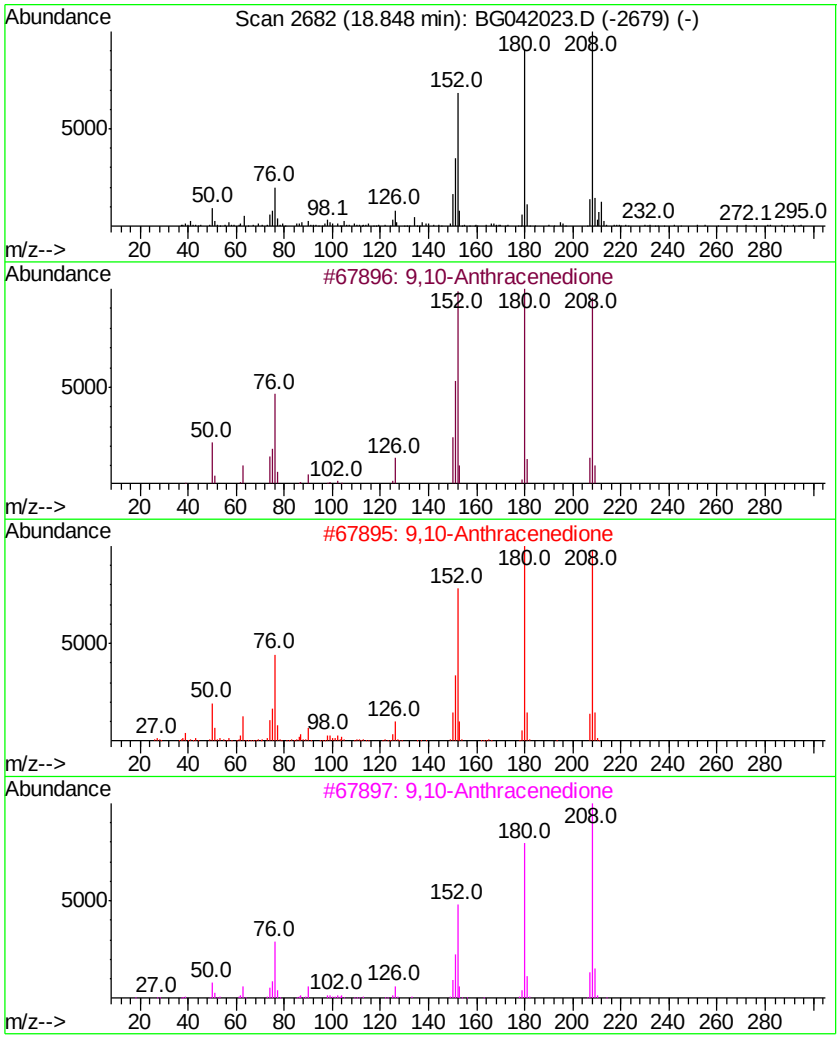
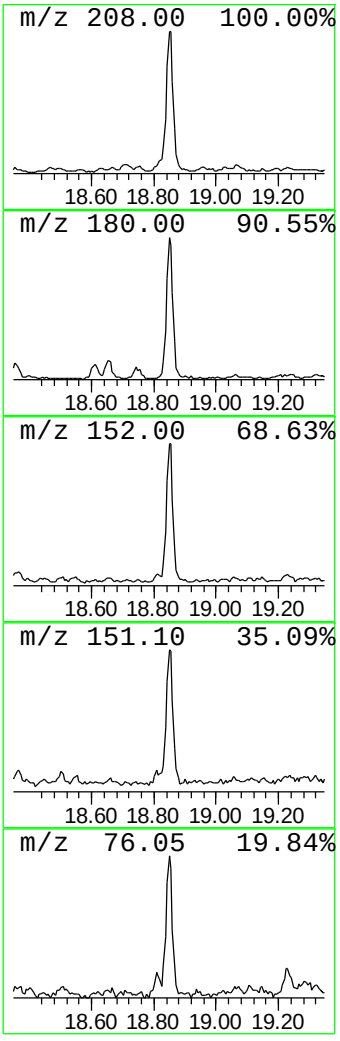
Peak Number 7 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	5.03 ng/ul	295206	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55





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Quant Title : SVOA CALIBRATION

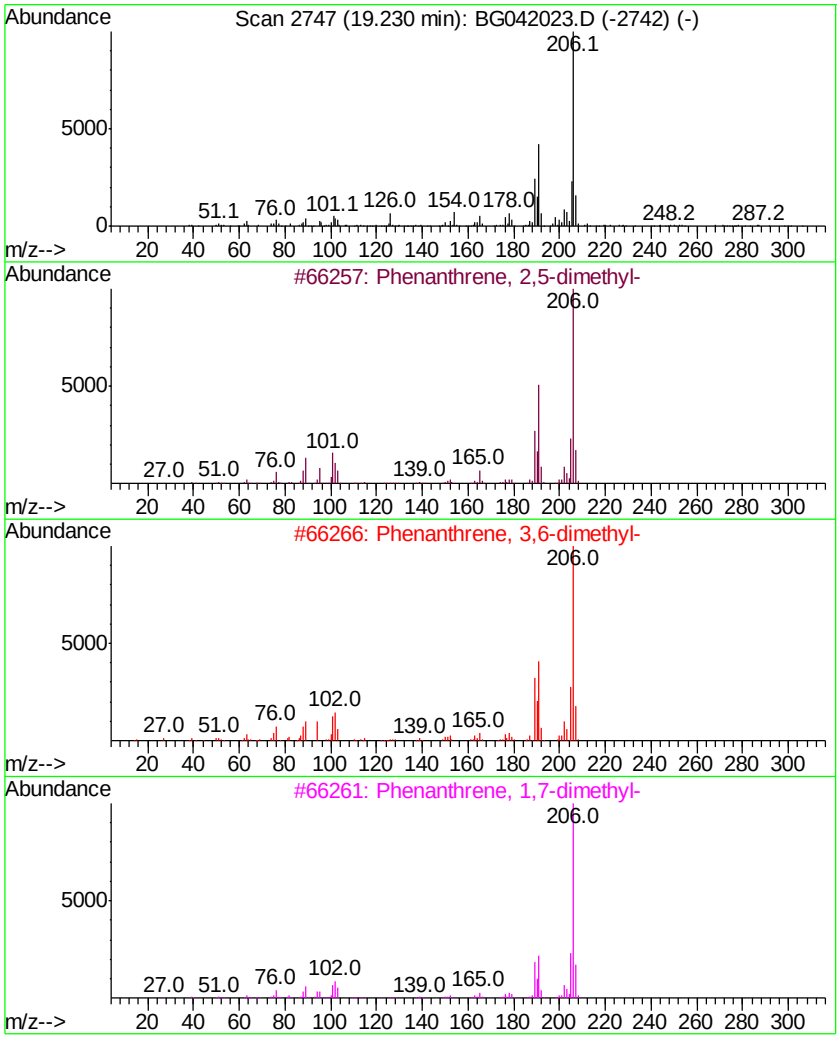
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

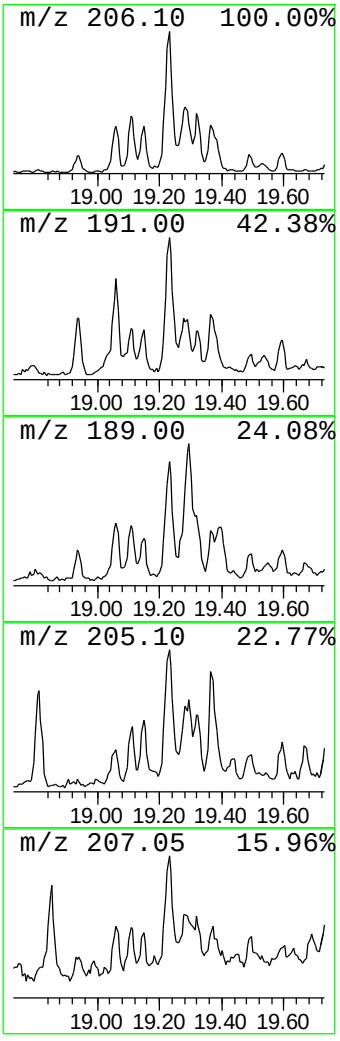
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	4.67 ng/ul	273979	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Quant Title : SVOA CALIBRATION

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

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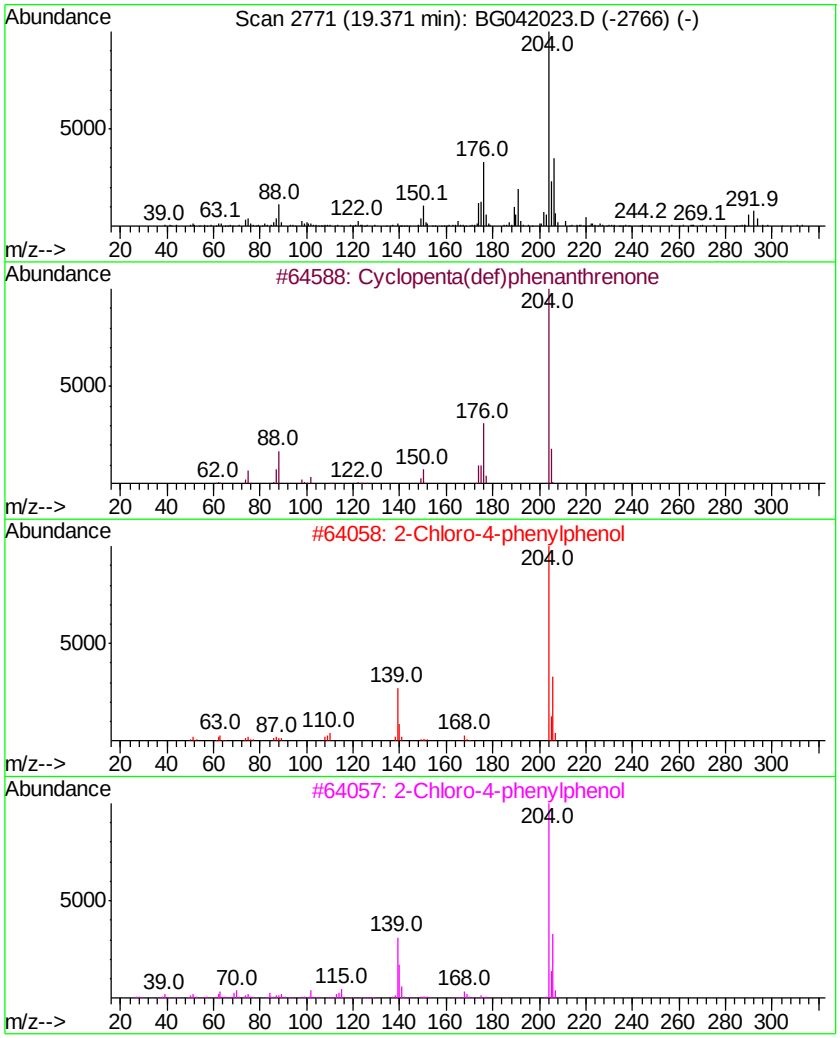
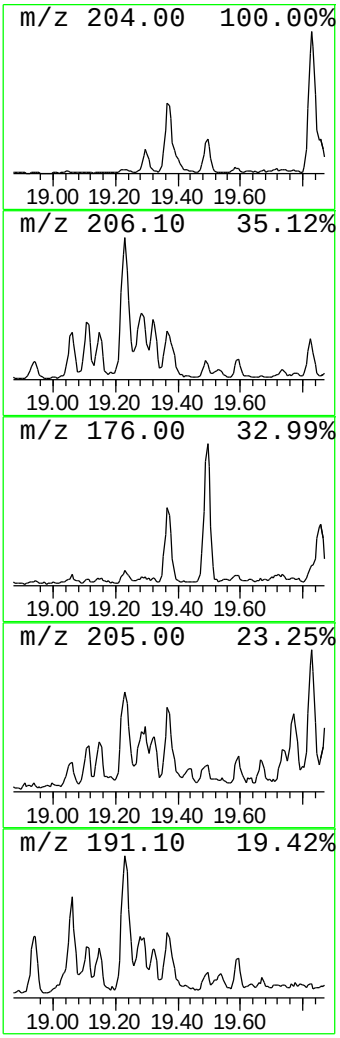
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	4.81 ng/ul	282370	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	49
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	47
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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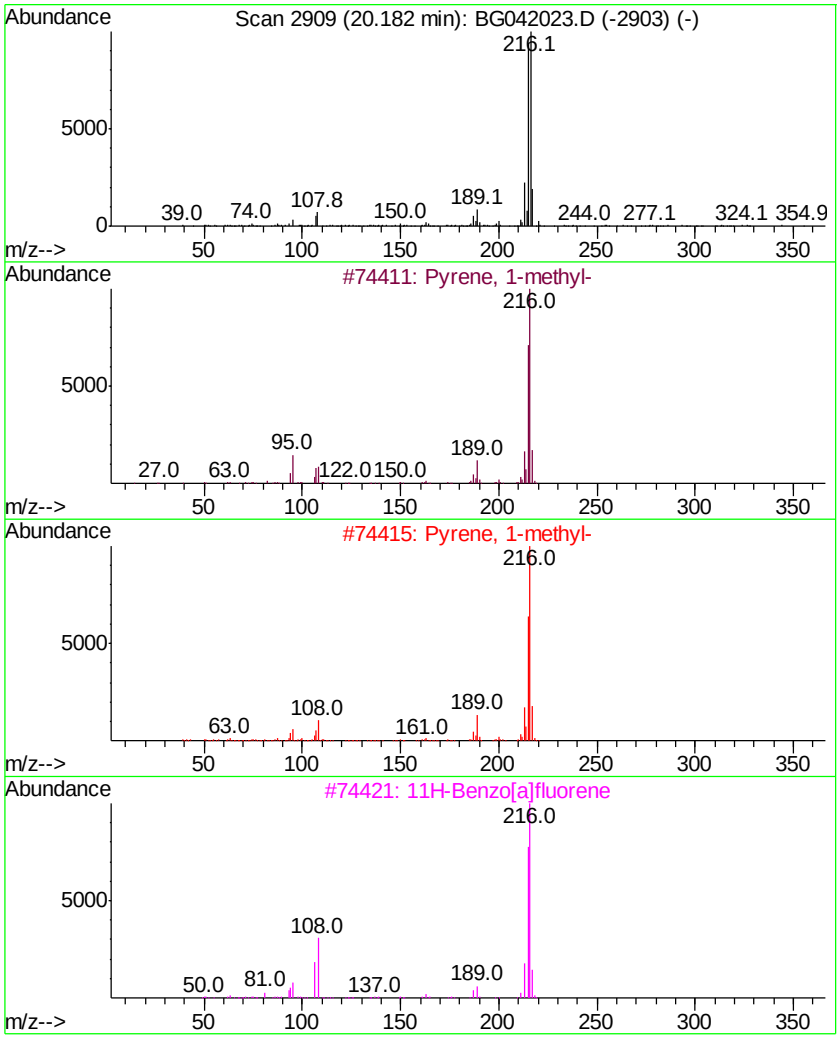
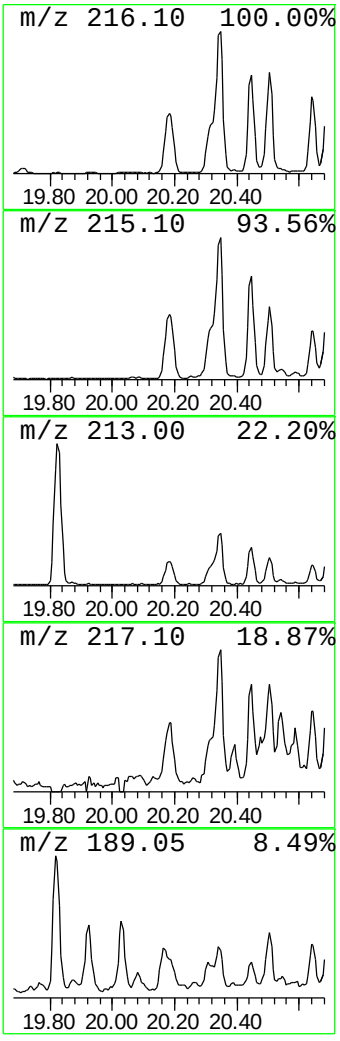
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.18	2.46 ng/ul	437504	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86





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ClientSampleId : BENY9

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Quant Title : SVOA CALIBRATION

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

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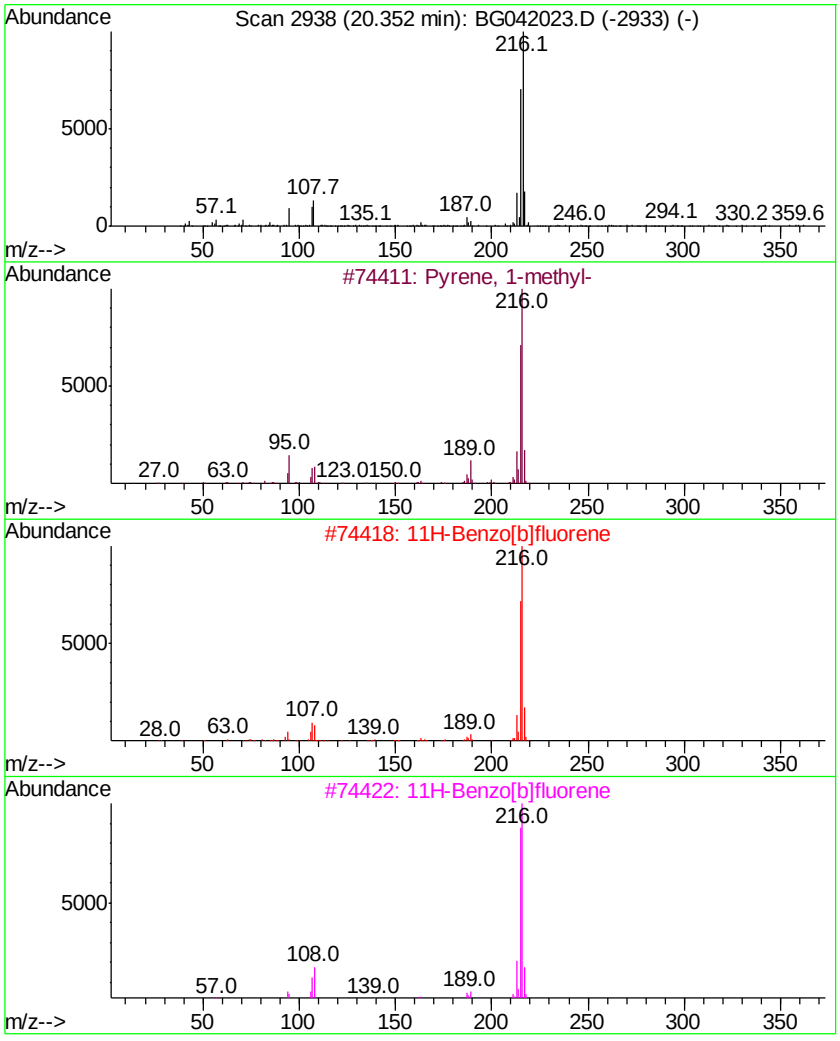
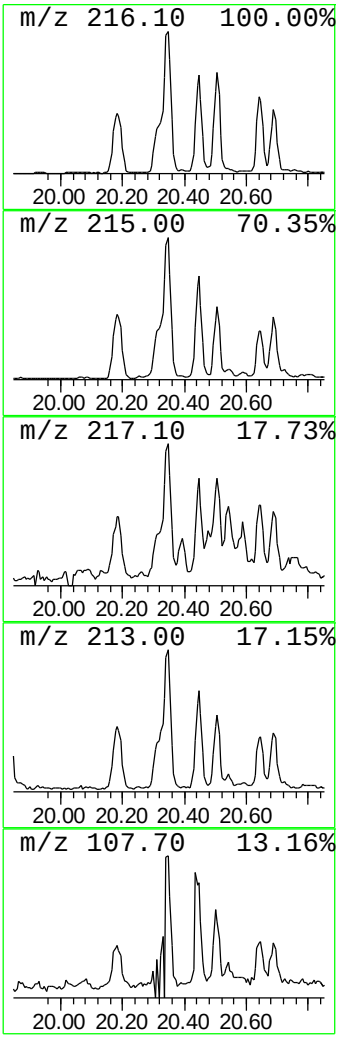
Peak Number 11 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.35	3.15 ng/ul	560330	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Quant Title : SVOA CALIBRATION

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

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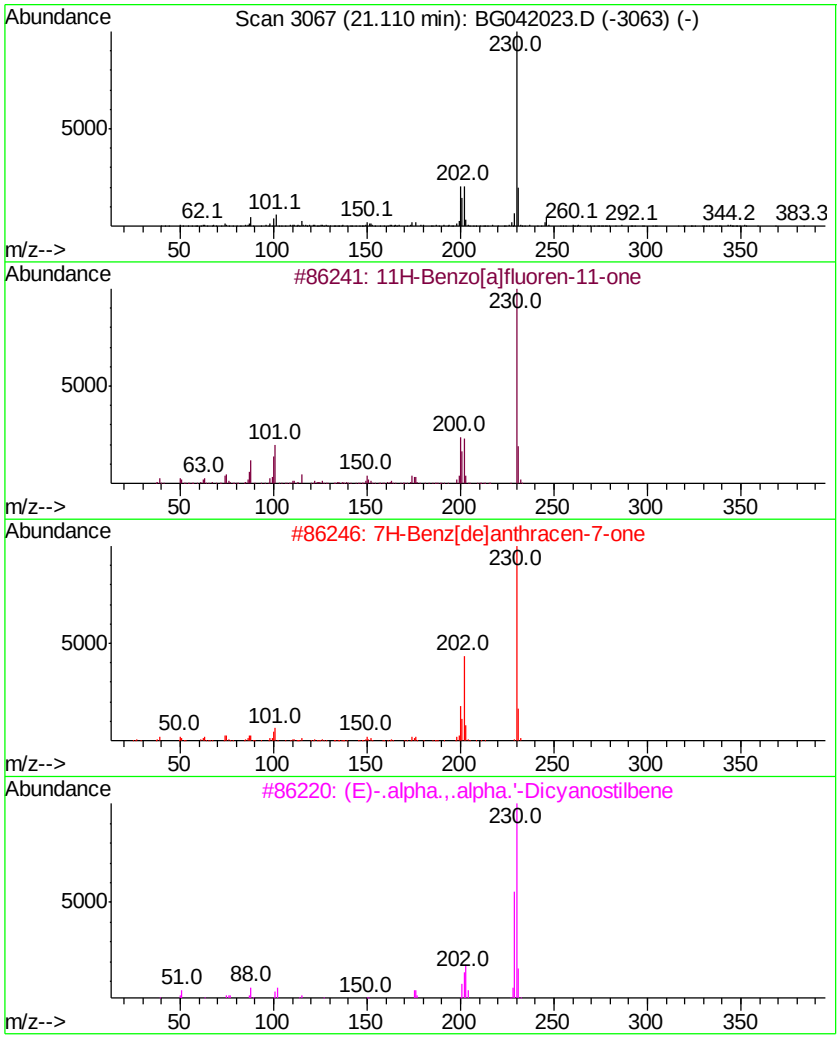
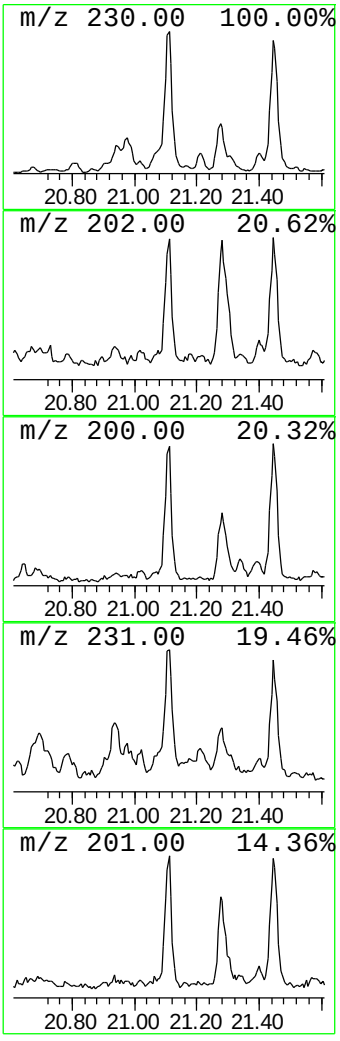
Peak Number 12 7H-Benz[de]anthracen-7-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.11	2.43 ng/ul	432776	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
3	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	64
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
5	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59





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Quant Title : SVOA CALIBRATION

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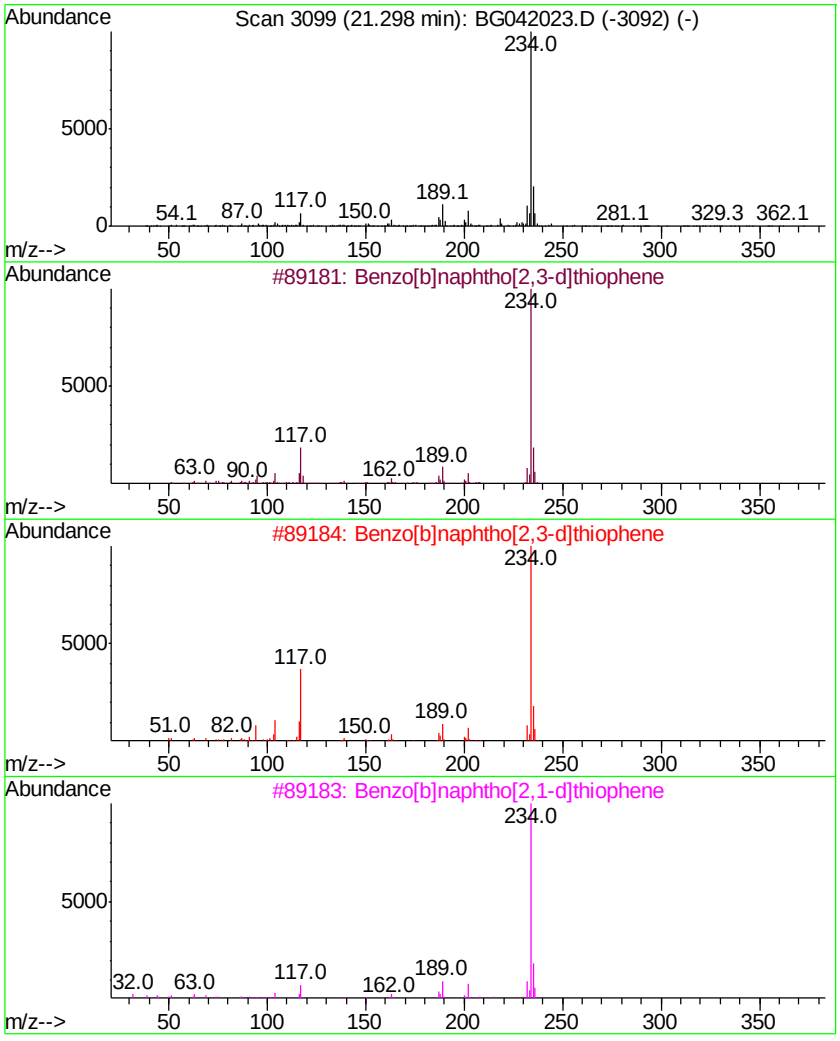
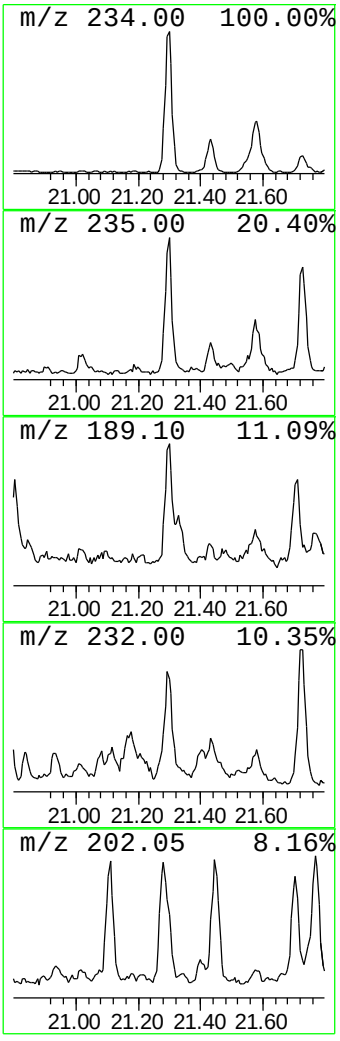
Peak Number 13 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.96 ng/ul	526896	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91





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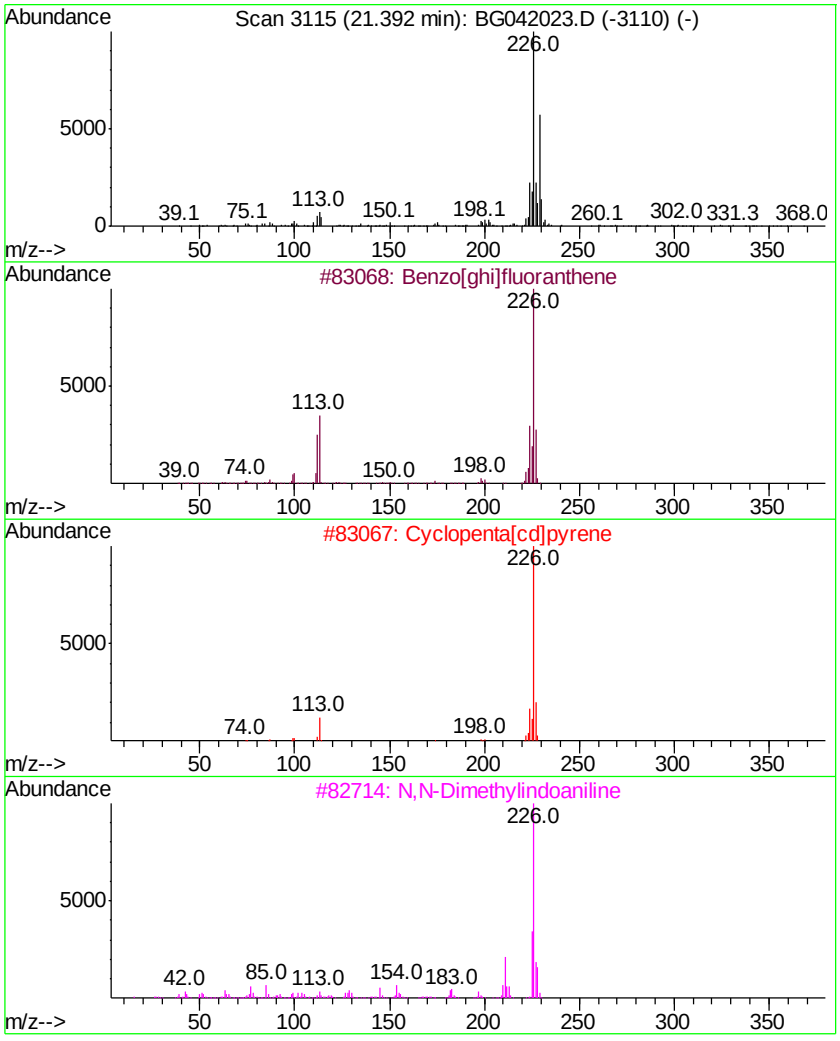
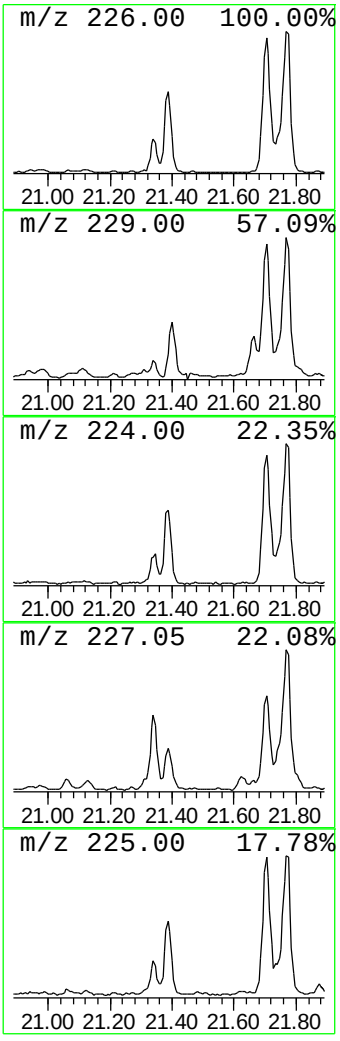
Peak Number 14 Benzo[ghi]fluoranthene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	3.70 ng/ul	658412	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	70
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	62
3	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	47
4	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	47
5	9H-Pyrido[3,4-b]indole, 7-methox...	226	C14H14N2O	143502-37-8	46





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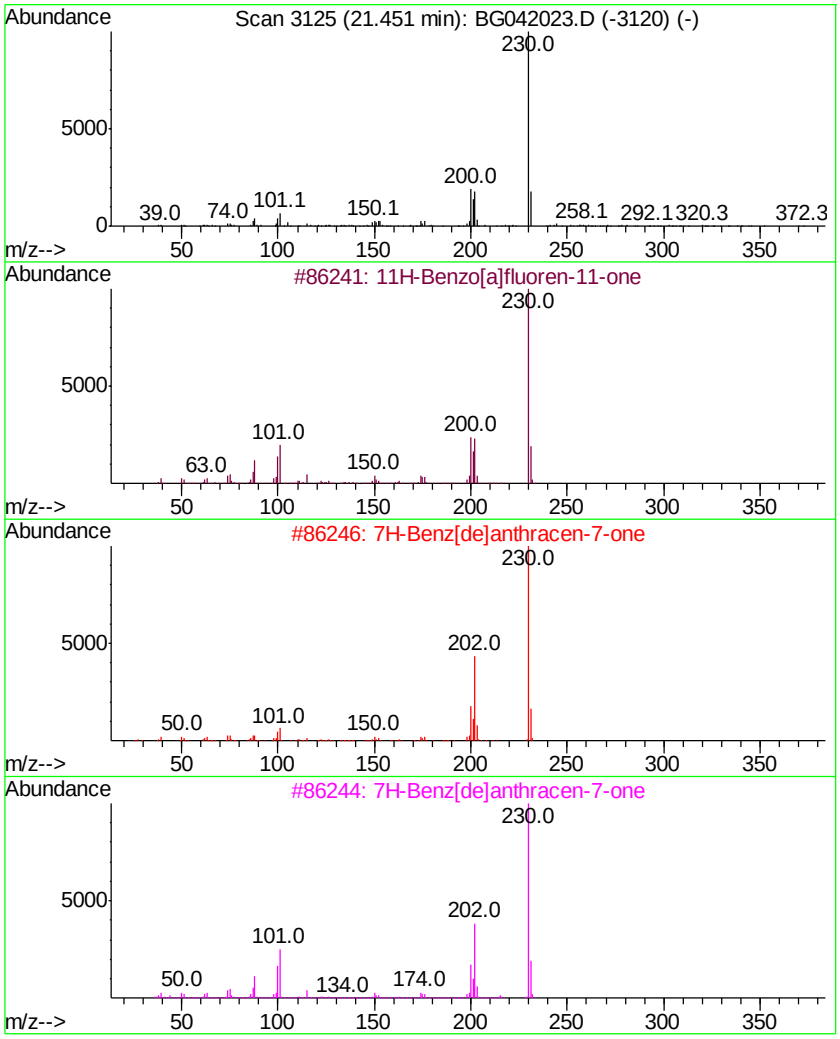
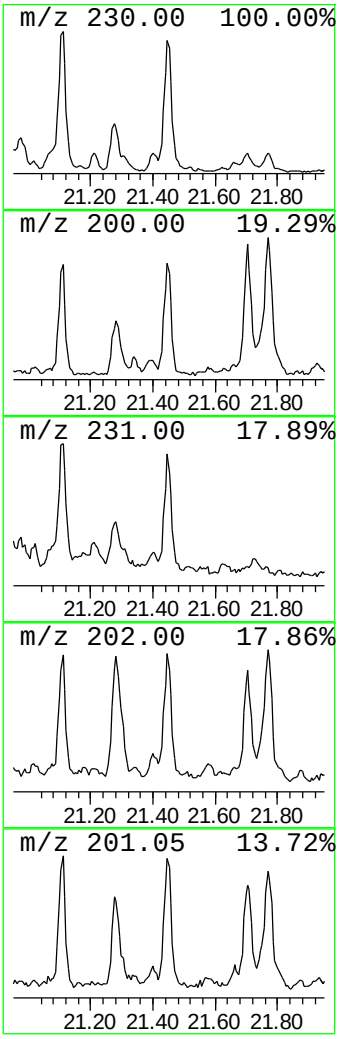
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.45	2.63 ng/ul	467139	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	94
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72





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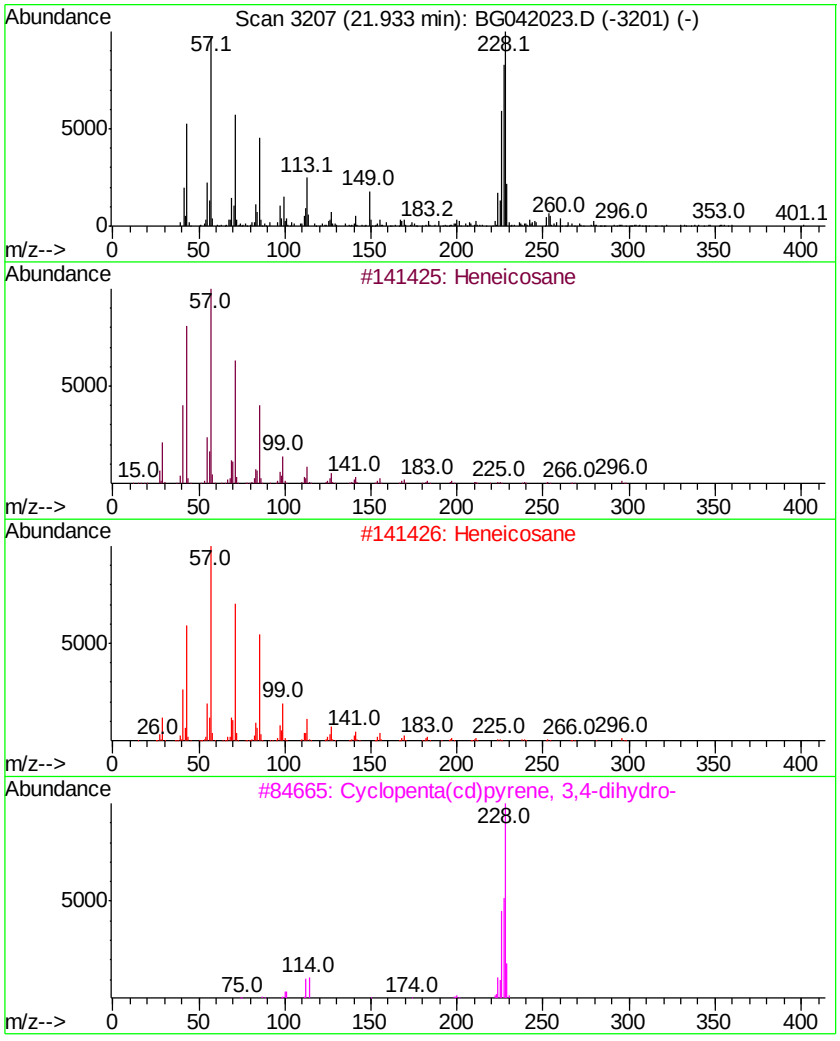
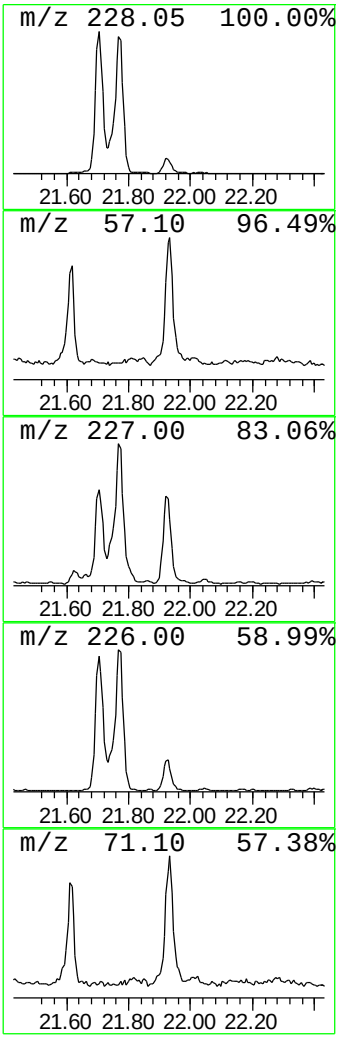
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	3.69 ng/ul	656783	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Heneicosane	296	C21H44	000629-94-7	90
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	86
4	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	86
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	62





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Acq On : 7 Aug 2019 9:51
Operator : HP/JU
Sample : K4028-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENY9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

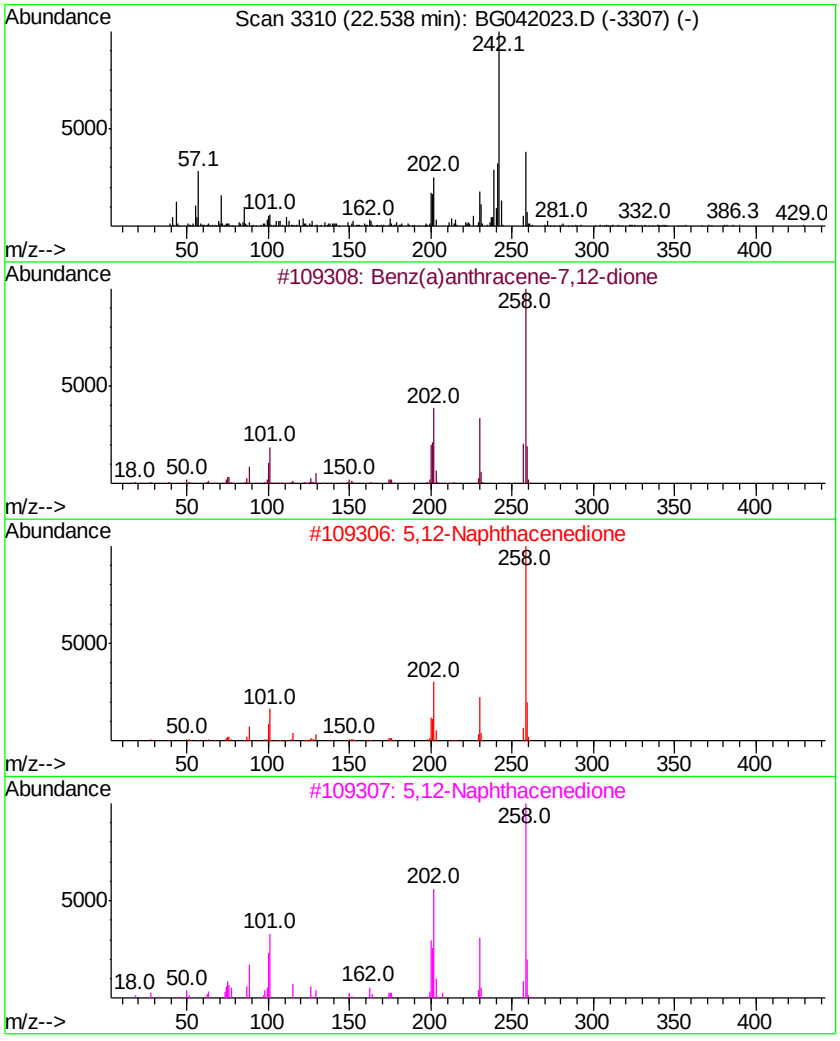
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

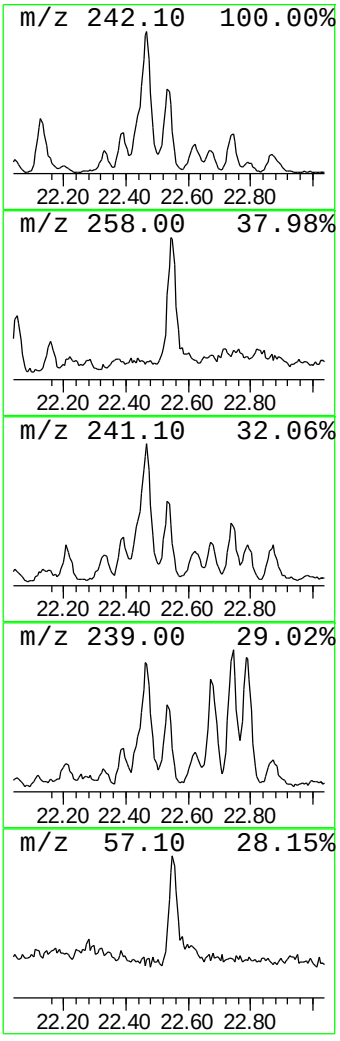
****

Peak Number 17 Benz(a)anthracene-7,12-dione Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	2.19 ng/ul	389486	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	89
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	64
3	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	50
4	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	30
5	Benz[a]anthracene, 6-methyl-	242	C19H14	000316-14-3	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042023.D
Acq On : 7 Aug 2019 9:51
Operator : HP/JU
Sample : K4028-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENY9

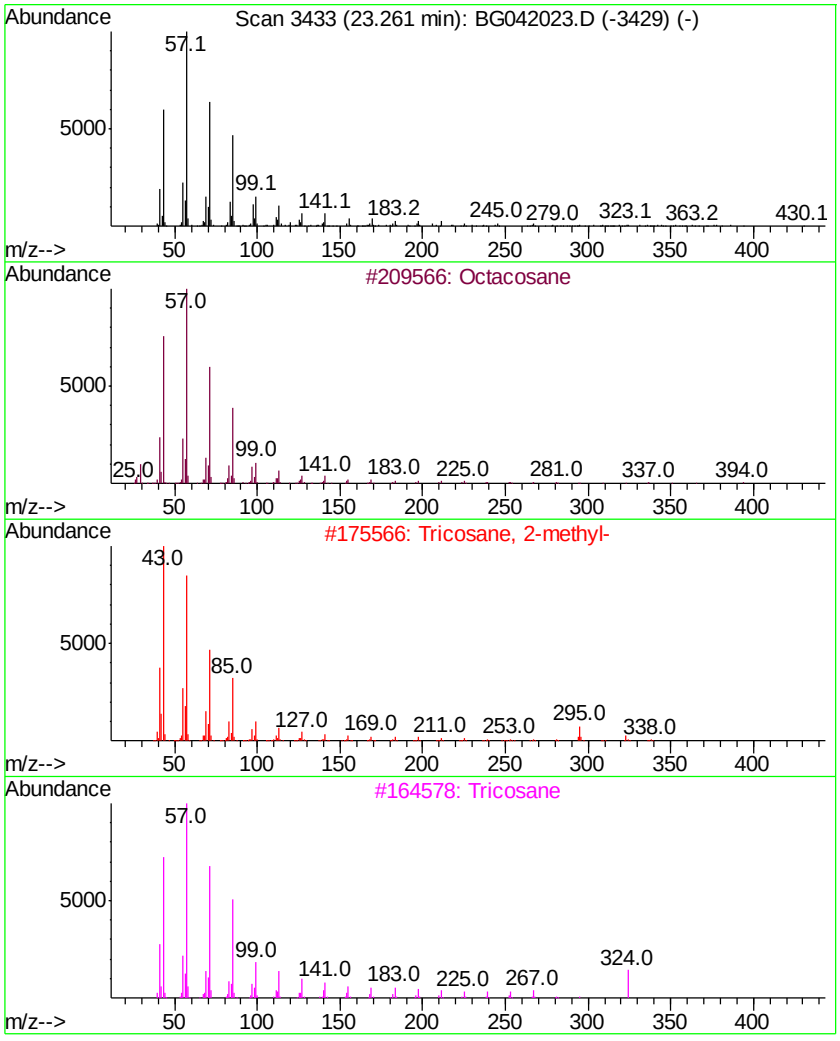
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

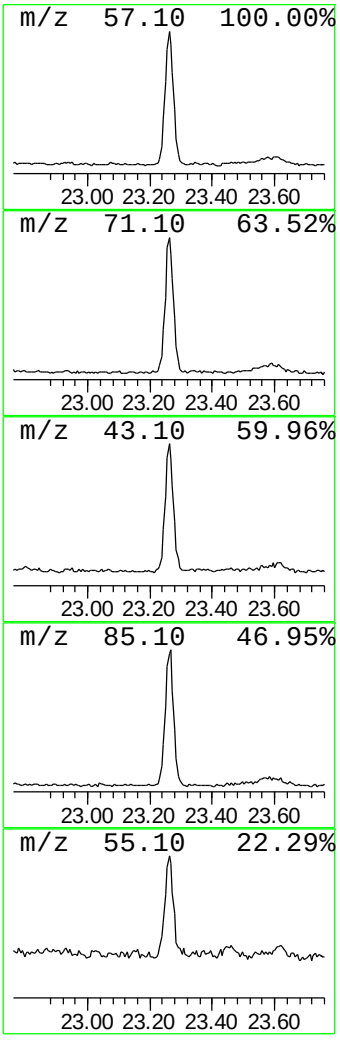
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.26	3.02 ng/ul	536970	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	96
2	Tricosane, 2-methyl-	338	C24H50	001928-30-9	95
3	Tricosane	324	C23H48	000638-67-5	94
4	Tricosane, 2-methyl-	338	C24H50	001928-30-9	91
5	Tetracosane	338	C24H50	000646-31-1	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042023.D
Acq On : 7 Aug 2019 9:51
Operator : HP/JU
Sample : K4028-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENY9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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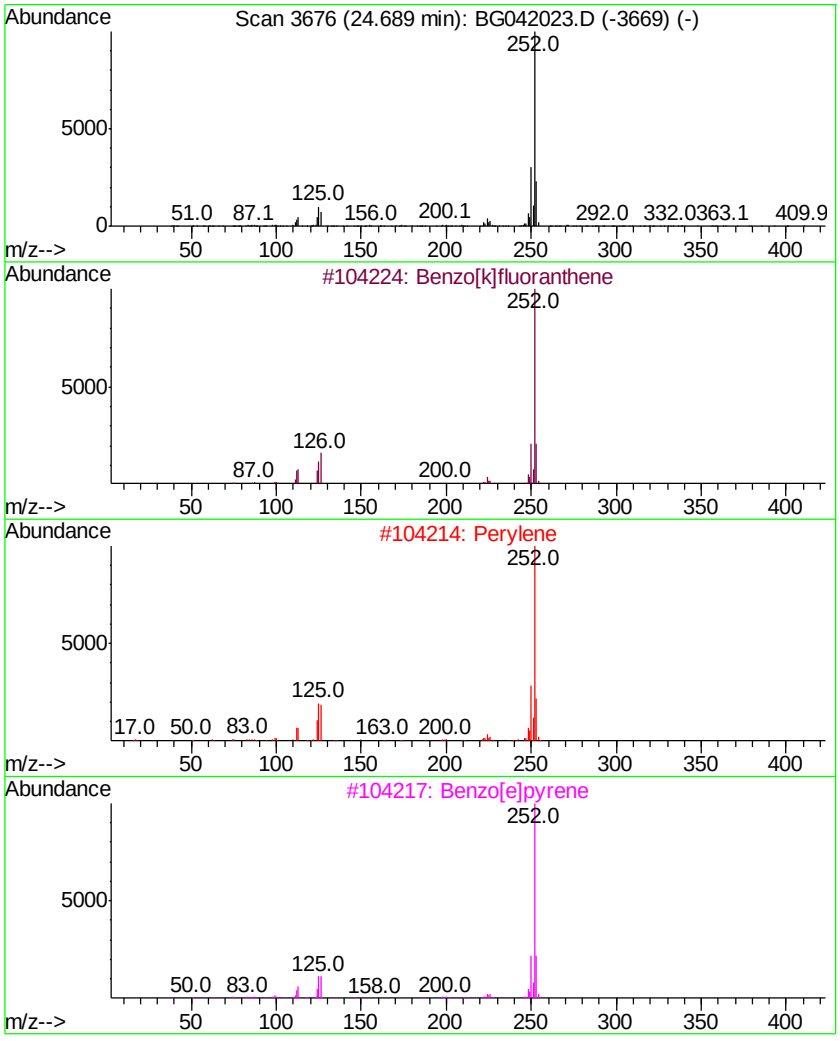
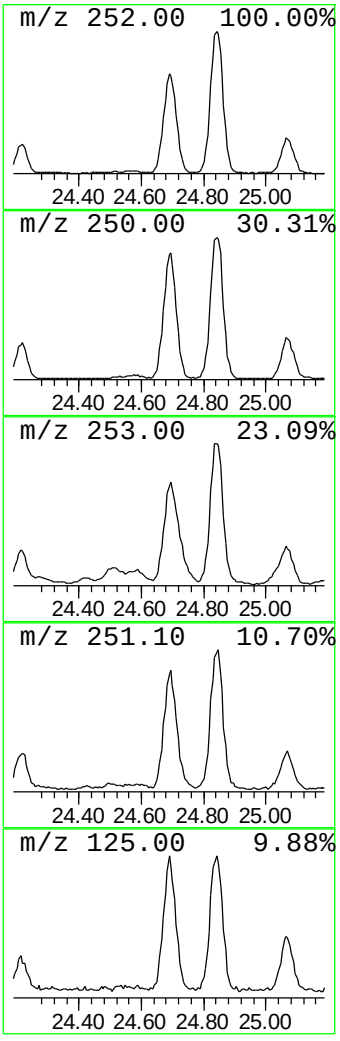
Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.69	19.55 ng/ul	1284930	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[e]pyrene	252	C20H12	000192-97-2	94
4	Perylene	252	C20H12	000198-55-0	94
5	Perylene	252	C20H12	000198-55-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042023.D
Acq On : 7 Aug 2019 9:51
Operator : HP/JU
Sample : K4028-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENY9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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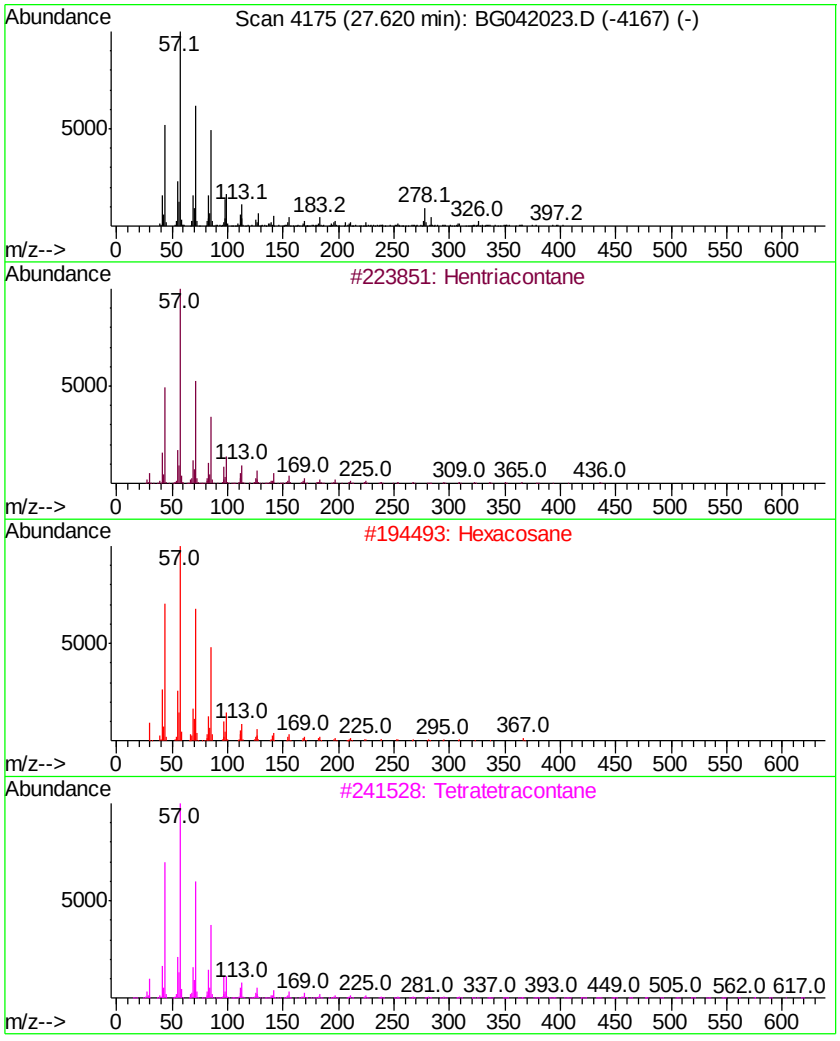
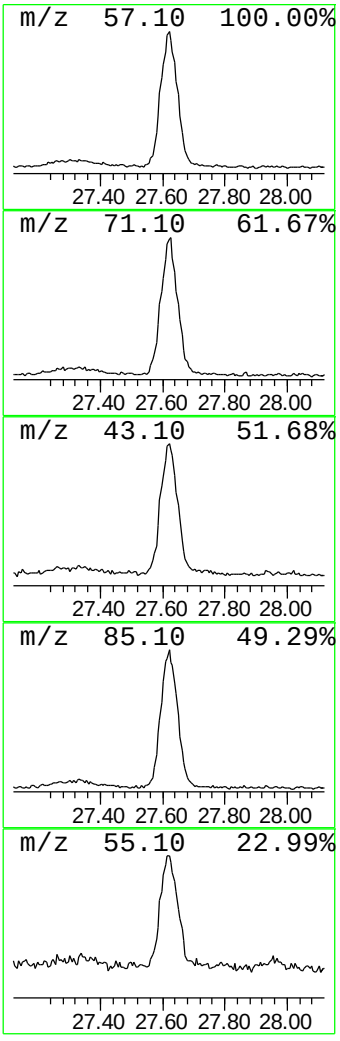
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.62	11.38 ng/ul	748430	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	87
2	Hexacosane	366	C26H54	000630-01-3	87
3	Tetratetracontane	619	C44H90	007098-22-8	87
4	Hexacosane	366	C26H54	000630-01-3	87
5	Octacosane	394	C28H58	000630-02-4	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080619\
Data File : BG042023.D
Acq On : 7 Aug 2019 9:51
Operator : HP/JU
Sample : K4028-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENY9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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
Butane, 2-methoxy...	3.14	117.8	ng/ul	2296870	1	8.03	390102	20.0
n-Hexadecanoic acid	18.33	9.4	ng/ul	552773	4	17.44	1172910	20.0
Anthracene, 9-met...	18.37	5.9	ng/ul	345308	4	17.44	1172910	20.0
4H-Cyclopenta[def...	18.51	10.4	ng/ul	610921	4	17.44	1172910	20.0
Phenanthrene, 2-m...	18.54	3.8	ng/ul	220271	4	17.44	1172910	20.0
5,16[1',2']:8,13[...	18.81	3.3	ng/ul	194806	4	17.44	1172910	20.0
9,10-Anthracenedione	18.85	5.0	ng/ul	295206	4	17.44	1172910	20.0
Phenanthrene, 2,5...	19.23	4.7	ng/ul	273979	4	17.44	1172910	20.0
Cyclopenta(def)ph...	19.37	4.8	ng/ul	282370	4	17.44	1172910	20.0
Pyrene, 1-methyl-	20.18	2.5	ng/ul	437504	5	21.72	3557040	20.0
Pyrene, 2-methyl-	20.35	3.1	ng/ul	560330	5	21.72	3557040	20.0
7H-Benz[de]anthra...	21.11	2.4	ng/ul	432776	5	21.72	3557040	20.0
Benzo[b]naphtho[2...	21.30	3.0	ng/ul	526896	5	21.72	3557040	20.0
Benzo[ghi]fluoran...	21.39	3.7	ng/ul	658412	5	21.72	3557040	20.0
11H-Benzo[a]fluor...	21.45	2.6	ng/ul	467139	5	21.72	3557040	20.0
(DEL) Alkane: Str...	21.93	3.7	ng/ul	656783	5	21.72	3557040	20.0
Benz(a)anthracene...	22.54	2.2	ng/ul	389486	5	21.72	3557040	20.0
(DEL) Alkane: Str...	23.26	3.0	ng/ul	536970	5	21.72	3557040	20.0
Perylene	24.69	19.6	ng/ul	1284930	6	24.99	1314800	20.0
(DEL) Alkane: Str...	27.62	11.4	ng/ul	748430	6	24.99	1314800	20.0