LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042212.D
Acq On : 14 Aug 2019 16:26
Operator : HP/JU
Sample : K4215-15DL 2X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8DL

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	3.144	4	9	22	rVB	753507	1163977	25.10%	1.891%
2	7.180	689	696	708	rBV3	87895	193701	4.18%	0.315%
3	7.339	717	723	736	rBV	68791	128960	2.78%	0.210%
4	7.551	753	759	769	rBV	105938	196894	4.25%	0.320%
5	8.027	833	840	849	rBV	237487	424010	9.14%	0.689%
6	8.737	954	961	968	rBV	115803	222199	4.79%	0.361%
7	9.190	1031	1038	1050	rBV	99291	184969	3.99%	0.300%
8	9.924	1156	1163	1174	rBV	84820	162335	3.50%	0.264%
9	10.471	1248	1256	1270	rBV	143555	291412	6.28%	0.473%
10	10.847	1312	1320	1325	rBV	348755	637283	13.74%	1.035%
11	10.900	1325	1329	1336	rVV	85801	149194	3.22%	0.242%
12	10.982	1336	1343	1361	rVB2	93205	204476	4.41%	0.332%
13	12.509	1597	1603	1609	rBV	53016	89801	1.94%	0.146%
14	12.733	1633	1641	1651	rVB	55517	99593	2.15%	0.162%
15	14.008	1849	1858	1863	rBV	63731	116303	2.51%	0.189%
16	14.084	1863	1871	1875	rVV	305562	505867	10.91%	0.822%
17	14.131	1875	1879	1885	rVV	102192	158875	3.43%	0.258%
18	14.378	1913	1921	1925	rBV	377913	666625	14.37%	1.083%
19	14.683	1964	1973	1979	rBV	588396	958965	20.68%	1.558%
20	14.748	1979	1984	1991	rVV	167622	269931	5.82%	0.439%
21	14.889	2002	2008	2018	rBV3	48271	118230	2.55%	0.192%
22	15.083	2035	2041	2049	rVV	198203	326579	7.04%	0.531%
23	15.676	2134	2142	2147	rVV	488940	776615	16.74%	1.262%
24	15.735	2147	2152	2159	rVV	343197	552935	11.92%	0.898%
25	15.800	2159	2163	2170	rVV2	46761	105937	2.28%	0.172%
26	16.029	2197	2202	2210	rVV	96631	150483	3.24%	0.244%
27	16.176	2218	2227	2235	rVV	105315	230995	4.98%	0.375%
28	16.740	2320	2323	2328	rVV2	82656	131459	2.83%	0.214%
29	16.969	2354	2362	2366	rVV3	54733	107346	2.31%	0.174%
30	17.010	2366	2369	2373	rVV	58415	90558	1.95%	0.147%
31	17.086	2377	2382	2390	rVV	101568	169660	3.66%	0.276%
32	17.169	2390	2396	2402	rVV3	55816	129217	2.79%	0.210%
33	17.257	2402	2411	2420	rVB	167032	310243	6.69%	0.504%
34	17.439	2436	2442	2445	rBV2	693205	1101484	23.75%	1.789%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042212.D
Acq On : 14 Aug 2019 16:26
Operator : HP/JU
Sample : K4215-15DL 2X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8DL

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	17.486	2445	2450	2455	rVV	2549685	4101541	88.43%	6.663%
36	17.539	2455	2459	2462	rVV	575545	934663	20.15%	1.518%
37	17.568	2462	2464	2470	rVV	673257	895588	19.31%	1.455%
38	17.627	2470	2474	2480	rVB	122354	197802	4.26%	0.321%
39	17.839	2499	2510	2522	rBV2	416105	830756	17.91%	1.350%
40	17.956	2523	2530	2535	rVV3	54806	94978	2.05%	0.154%
41	18.021	2537	2541	2549	rVB6	45102	80581	1.74%	0.131%
42	18.314	2582	2591	2595	rBV	335137	558478	12.04%	0.907%
43	18.367	2595	2600	2607	rVB	458834	702880	15.15%	1.142%
44	18.444	2607	2613	2618	rBV	183974	268448	5.79%	0.436%
45	18.514	2618	2625	2629	rBV3	501762	988089	21.30%	1.605%
46	18.549	2629	2631	2636	rVB	209864	228616	4.93%	0.371%
47	18.614	2637	2642	2646	rVV3	48781	86031	1.85%	0.140%
48	18.655	2646	2649	2653	rVV2	59662	82890	1.79%	0.135%
49	18.814	2670	2676	2679	rVV	252224	373562	8.05%	0.607%
50	18.855	2679	2683	2689	rVV	219800	325117	7.01%	0.528%
51	19.055	2713	2717	2721	rVB4	74309	98077	2.11%	0.159%
52	19.143	2729	2732	2737	rVB2	60590	85343	1.84%	0.139%
53	19.231	2741	2747	2752	rBV2	156928	302622	6.52%	0.492%
54	19.296	2754	2758	2761	rBV3	60705	82022	1.77%	0.133%
55	19.366	2766	2770	2779	rVB2	120861	233455	5.03%	0.379%
56	19.495	2785	2792	2798	rBV	3107608	4638216	100.00%	7.535%
57	19.548	2798	2801	2804	rVV2	55726	76975	1.66%	0.125%
58	19.589	2804	2808	2812	rVV	99438	137759	2.97%	0.224%
59	19.642	2812	2817	2820	rVV2	96287	132828	2.86%	0.216%
60	19.683	2820	2824	2827	rVV3	65604	108271	2.33%	0.176%
61	19.736	2827	2833	2842	rVB3	134991	325504	7.02%	0.529%
62	19.824	2842	2848	2850	rBV3	1183980	1798459	38.77%	2.922%
63	19.860	2850	2854	2861	rVV	2519764	3845940	82.92%	6.248%
64	19.924	2861	2865	2871	rVB2	181468	285524	6.16%	0.464%
65	20.030	2877	2883	2889	rBV	212634	336111	7.25%	0.546%
66	20.089	2889	2893	2899	rVB	226685	356431	7.68%	0.579%
67	20.171	2901	2907	2914	rBV2	213439	563786	12.16%	0.916%
68	20.224	2914	2916	2920	rVB	67550	76288	1.64%	0.124%
69	20.265	2920	2923	2925	rBV	58517	77312	1.67%	0.126%
70	20.306	2926	2930	2932	rVV3	143272	242673	5.23%	0.394%
71	20.347	2933	2937	2941	rVB	487469	708417	15.27%	1.151%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042212.D
Acq On : 14 Aug 2019 16:26
Operator : HP/JU
Sample : K4215-15DL 2X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8DL

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

72	20.447	2949	2954	2957	rBV	362239	497883	10.73%	0.809%
73	20.500	2957	2963	2968	rVB2	260991	508876	10.97%	0.827%
74	20.582	2974	2977	2982	rVB3	55410	78658	1.70%	0.128%
75	20.641	2983	2987	2991	rBV	164510	243728	5.25%	0.396%
76	20.688	2991	2995	2999	rVB3	157409	214405	4.62%	0.348%
77	20.900	3028	3031	3034	rBV4	54348	84360	1.82%	0.137%
78	20.941	3035	3038	3040	rVV4	60386	76453	1.65%	0.124%
79	21.064	3056	3059	3062	rBV3	51006	74934	1.62%	0.122%
80	21.111	3063	3067	3074	rVB	207010	353091	7.61%	0.574%
81	21.293	3092	3098	3102	rBV3	208849	423642	9.13%	0.688%
82	21.340	3102	3106	3109	rVV	249508	385125	8.30%	0.626%
83	21.387	3109	3114	3120	rVV2	328349	705225	15.20%	1.146%
84	21.446	3120	3124	3137	rVB2	238996	481294	10.38%	0.782%
85	21.663	3157	3161	3162	rBV	99139	120647	2.60%	0.196%
86	21.710	3162	3169	3175	rVV3	1667471	4110525	88.62%	6.678%
87	21.769	3175	3179	3192	rVB	1232273	2240303	48.30%	3.639%
88	21.928	3201	3206	3212	rBV	222721	391041	8.43%	0.635%
89	22.134	3235	3241	3248	rBV2	208076	434139	9.36%	0.705%
90	22.463	3293	3297	3303	rVB2	206605	380619	8.21%	0.618%
91	22.539	3306	3310	3316	rVB3	168357	310098	6.69%	0.504%
92	22.739	3340	3344	3348	rBV	104452	167989	3.62%	0.273%
93	23.961	3543	3552	3560	rBV	990908	3314753	71.47%	5.385%
94	24.219	3590	3596	3603	rVB	216031	487860	10.52%	0.793%
95	24.695	3669	3677	3684	rBV	541918	1566697	33.78%	2.545%
96	24.772	3686	3690	3695	rVV	319715	752590	16.23%	1.223%
97	24.848	3696	3703	3715	rVB	896595	2489429	53.67%	4.044%
98	25.001	3720	3729	3735	rBV2	431410	1295970	27.94%	2.105%
99	28.743	4354	4366	4390	rVB2	373952	1969192	42.46%	3.199%
100	29.901	4555	4563	4581	rVB2	223970	1007204	21.72%	1.636%

Sum of corrected areas: 61555874

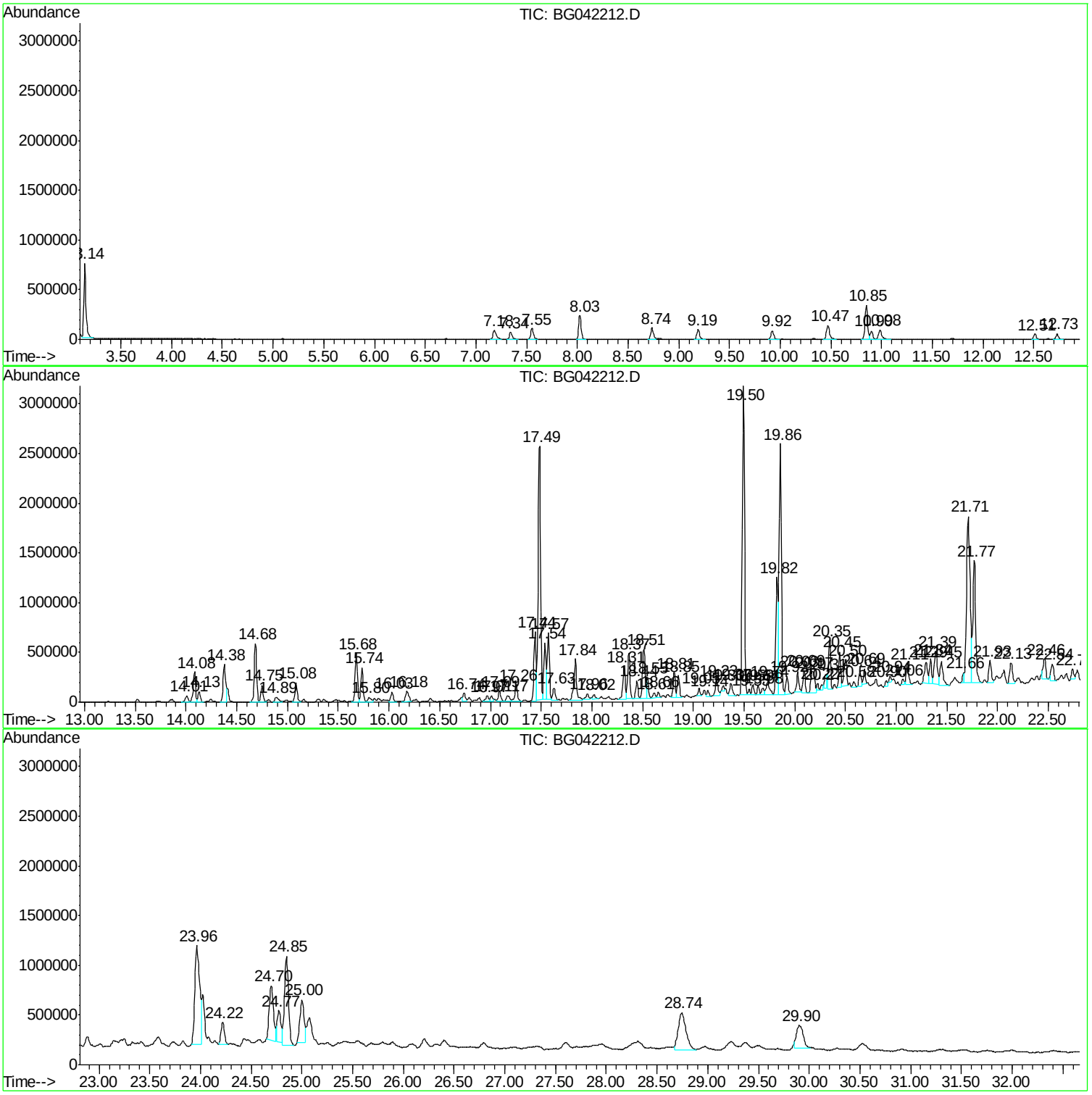
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042212.D
Acq On : 14 Aug 2019 16:26
Operator : HP/JU
Sample : K4215-15DL 2X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8DL

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\BG081319\
Data File : BG042212.D
Acq On : 14 Aug 2019 16:26
Operator : HP/JU
Sample : K4215-15DL 2X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8DL

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

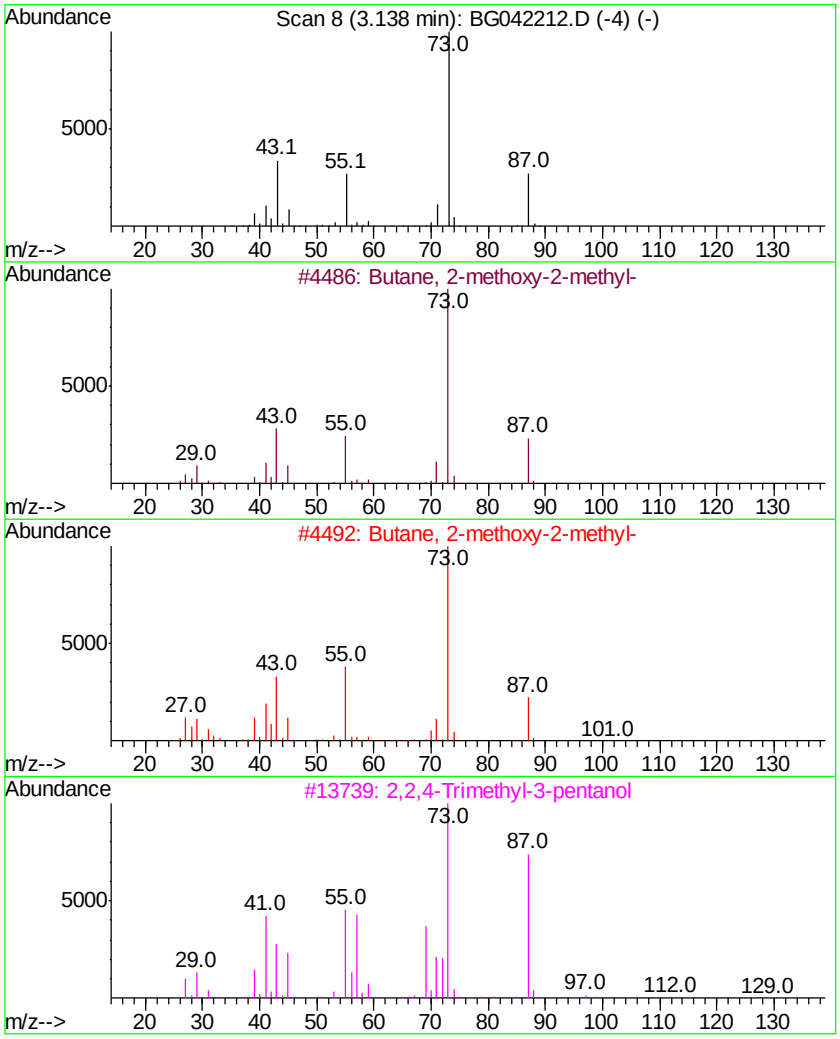
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

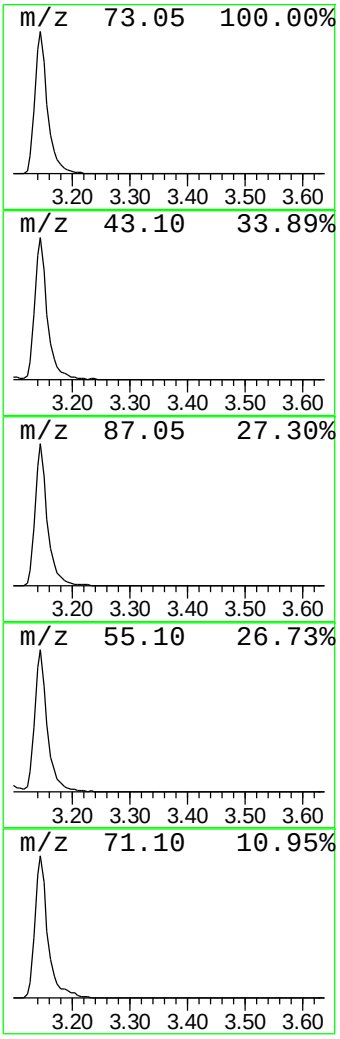
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	54.90 ng/ul	1163980	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	78
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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042212.D
Acq On : 14 Aug 2019 16:26
Operator : HP/JU
Sample : K4215-15DL 2X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8DL

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

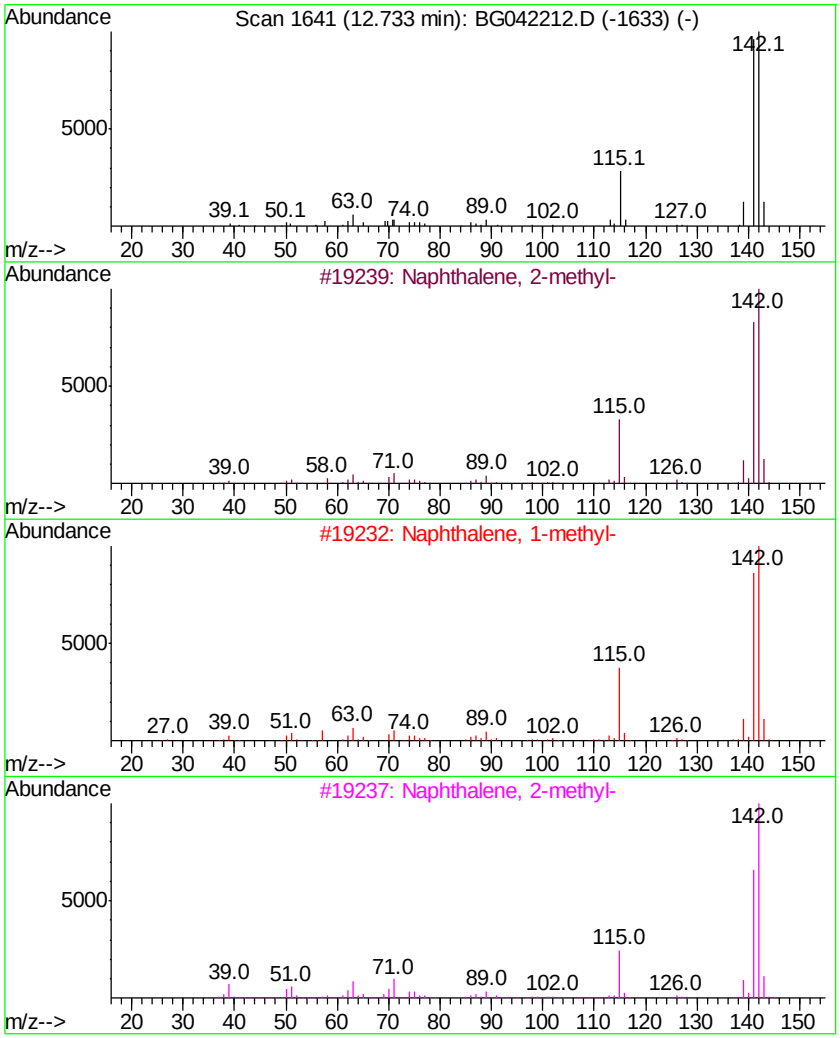
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

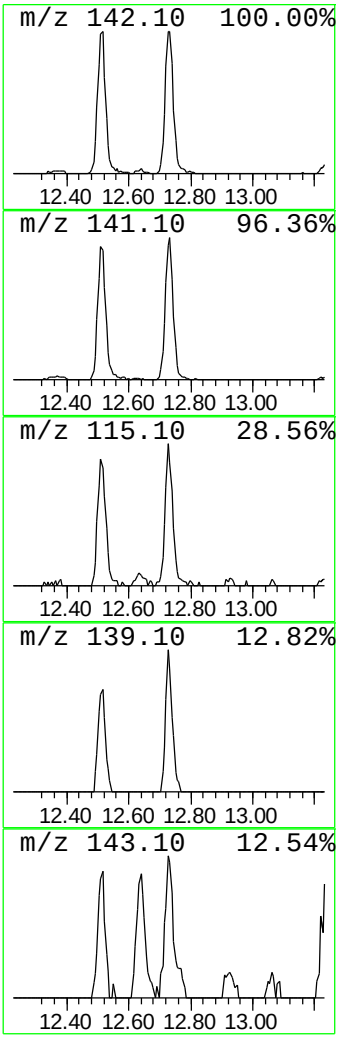
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	3.13 ng/ul	99593	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042212.D
Acq On : 14 Aug 2019 16:26
Operator : HP/JU
Sample : K4215-15DL 2X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8DL

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

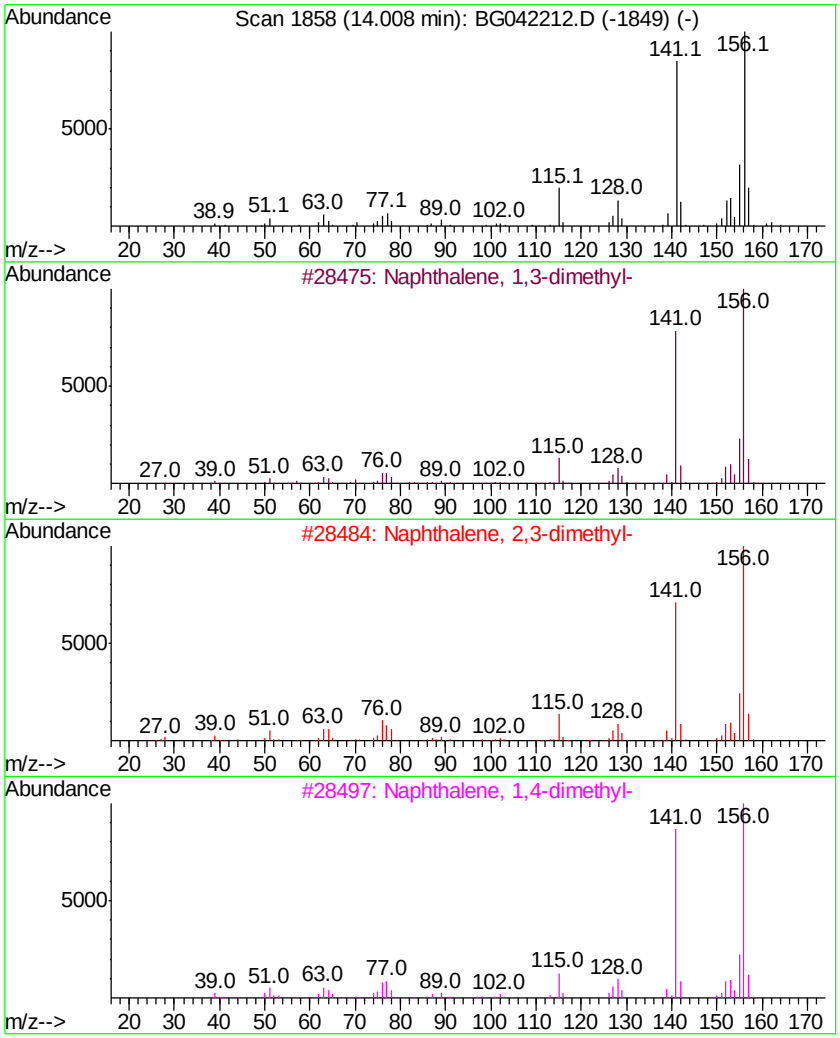
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

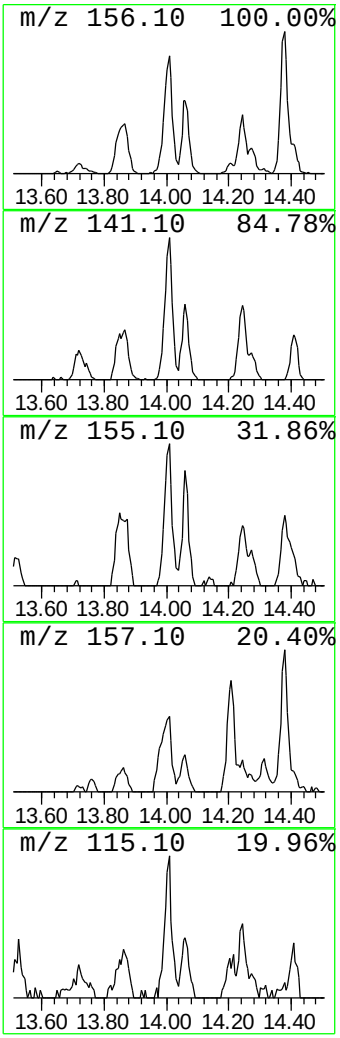
****

Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.43 ng/ul	116303	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042212.D
Acq On : 14 Aug 2019 16:26
Operator : HP/JU
Sample : K4215-15DL 2X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8DL

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

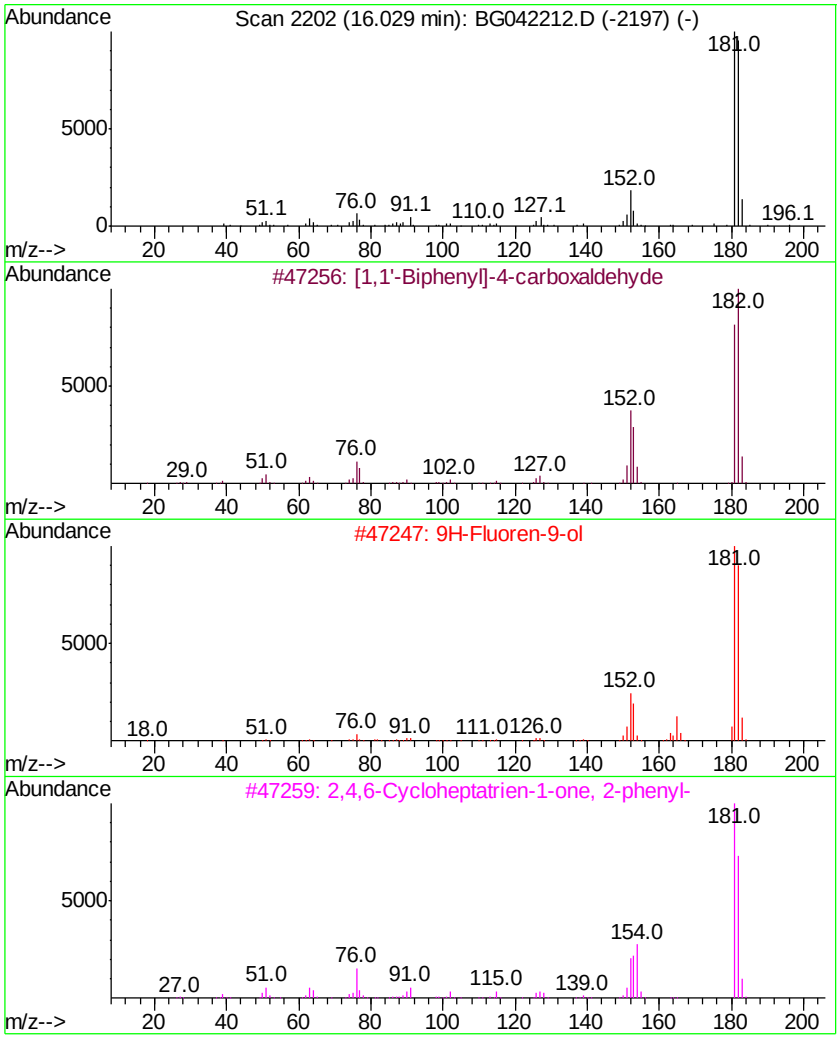
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

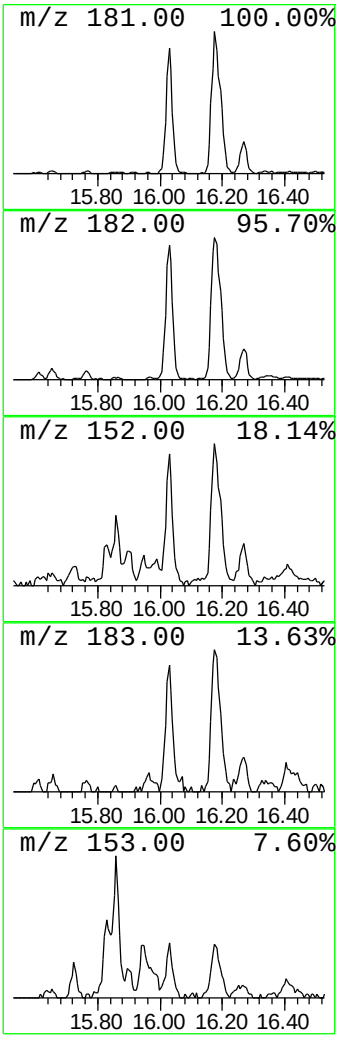
****

Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	3.14 ng/ul	150483	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042212.D
Acq On : 14 Aug 2019 16:26
Operator : HP/JU
Sample : K4215-15DL 2X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8DL

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

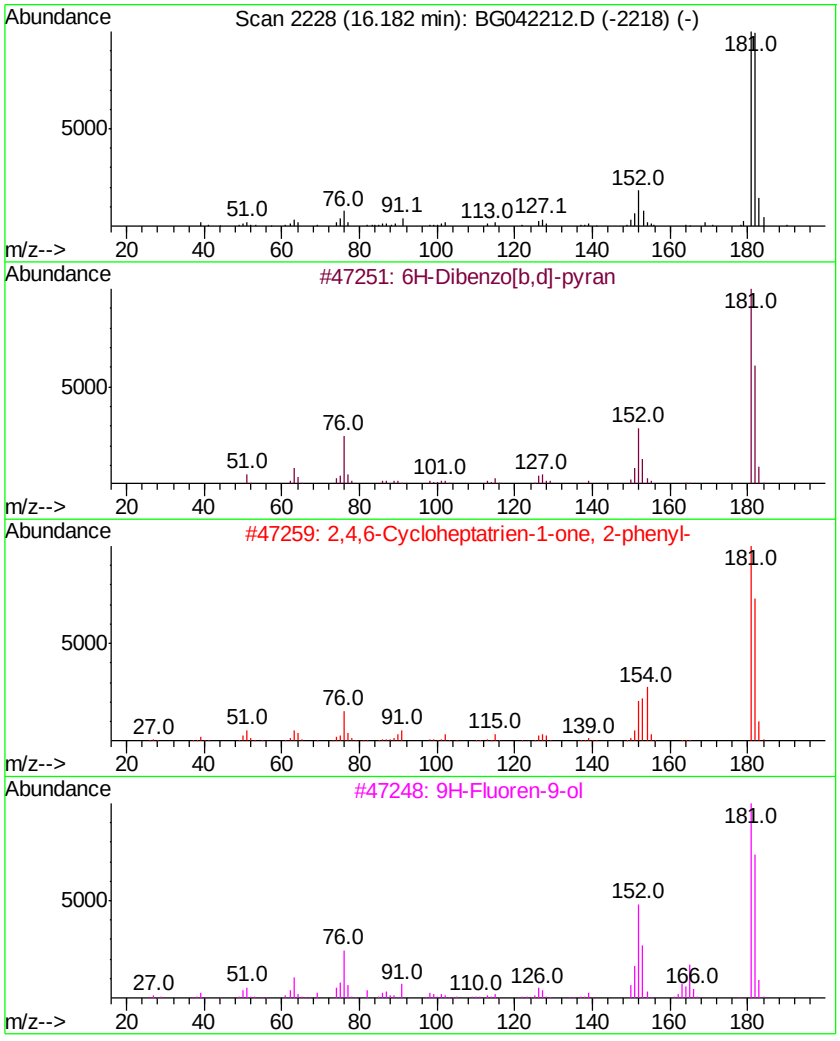
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

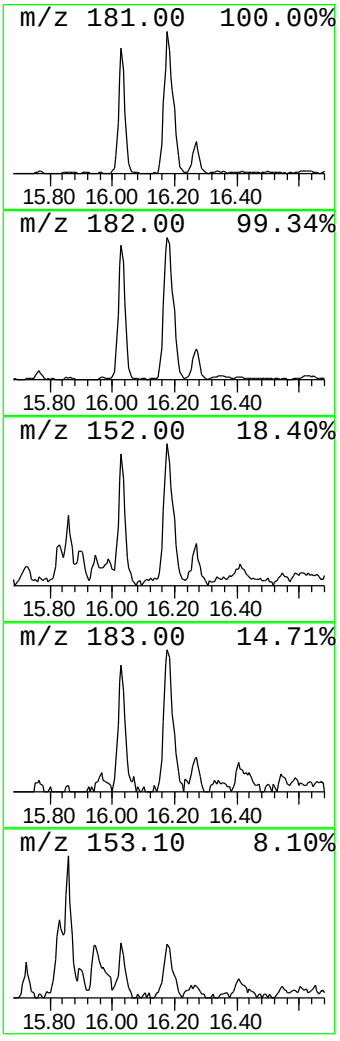
****

Peak Number 5 6H-Dibenzo[b,d]-pyran Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	4.19 ng/ul	230995	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Acq On : 14 Aug 2019 16:26
Operator : HP/JU
Sample : K4215-15DL 2X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8DL

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Quant Title : SVOA CALIBRATION

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

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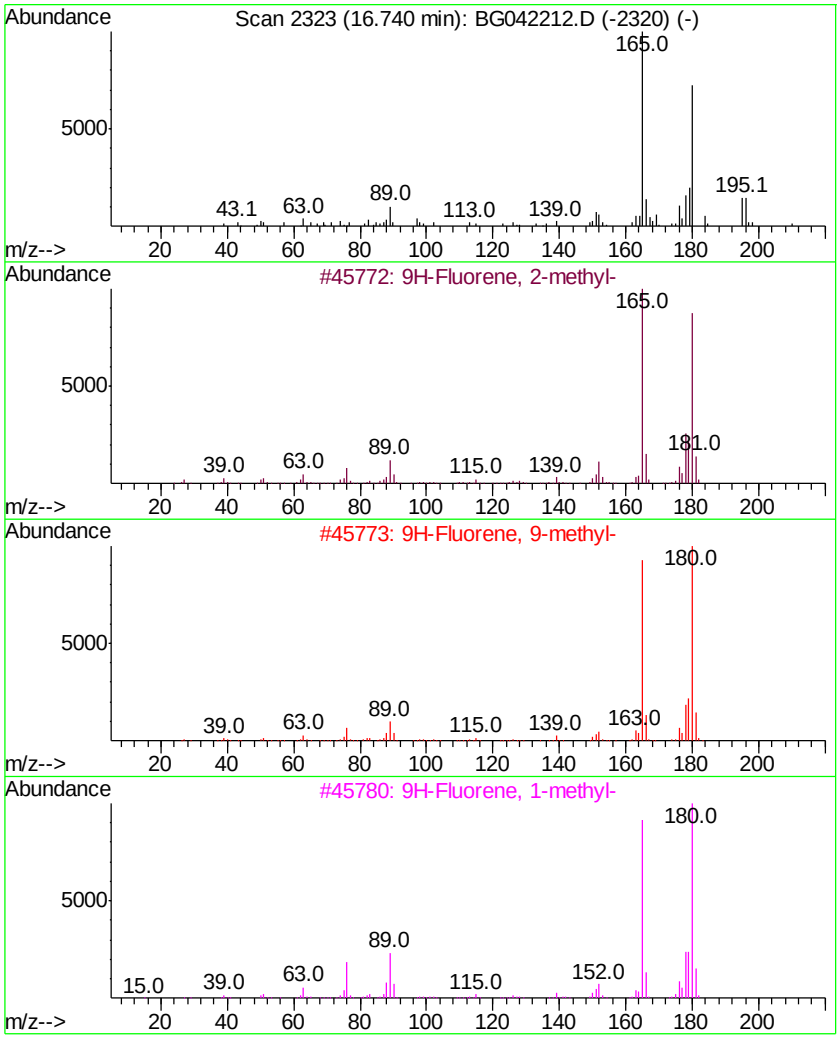
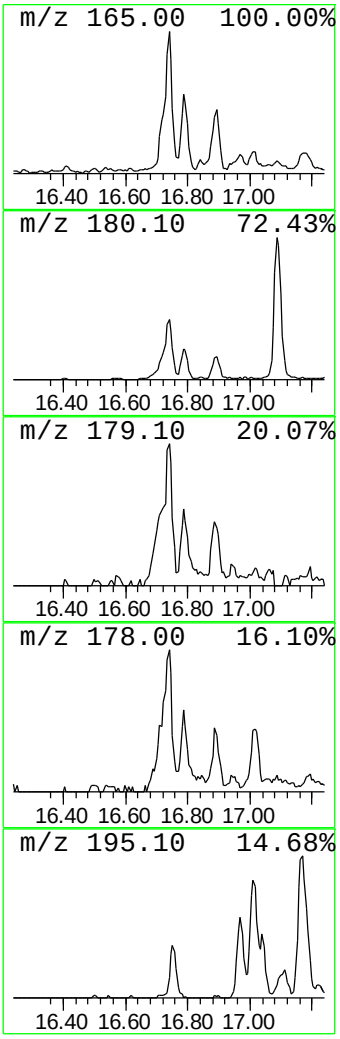
Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	2.39 ng/ul	131459	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	68
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64





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Sample : K4215-15DL 2X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8DL

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Quant Title : SVOA CALIBRATION

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

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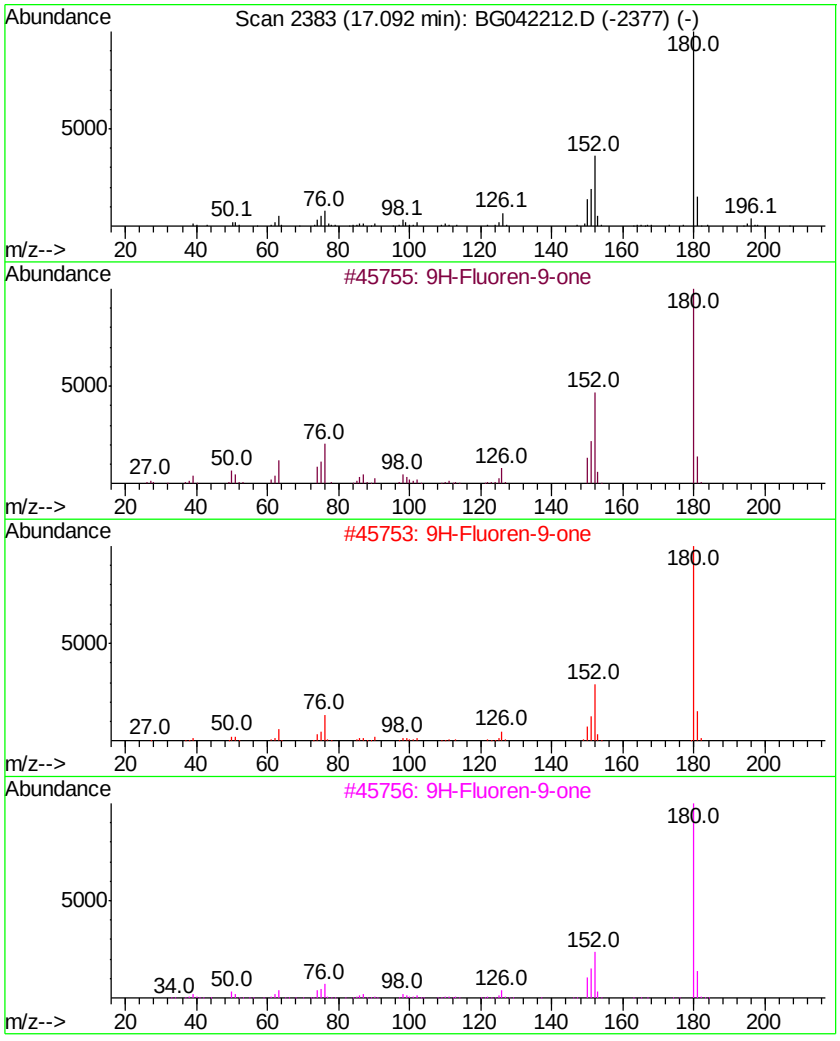
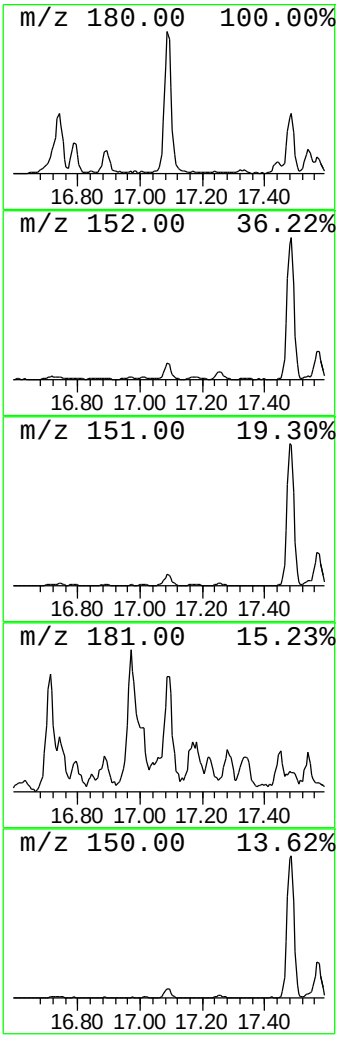
Peak Number 7 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	3.08 ng/ul	169660	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	68
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	68





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Instrument : BNA_G
ClientSampleId : ETOC8DL

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Quant Title : SVOA CALIBRATION

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

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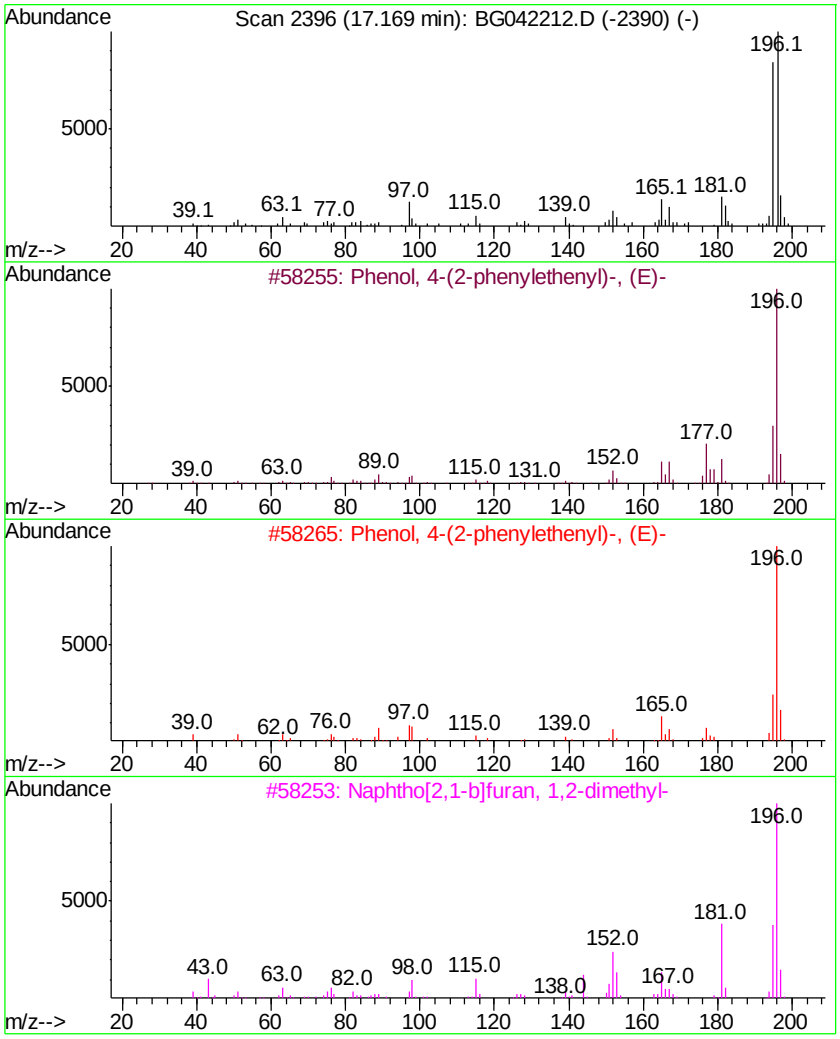
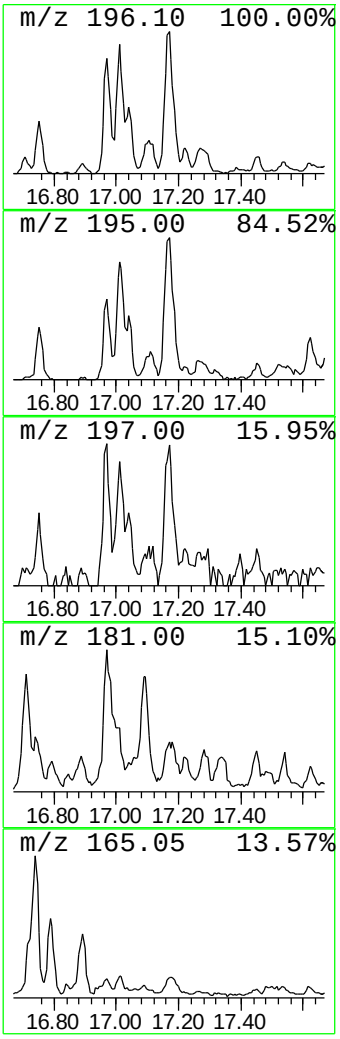
Peak Number 8 Phenol, 4-(2-phenylethenyl)... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	2.35 ng/ul	129217	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	52
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	47





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Instrument : BNA_G
ClientSampleId : ETOC8DL

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Quant Title : SVOA CALIBRATION

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

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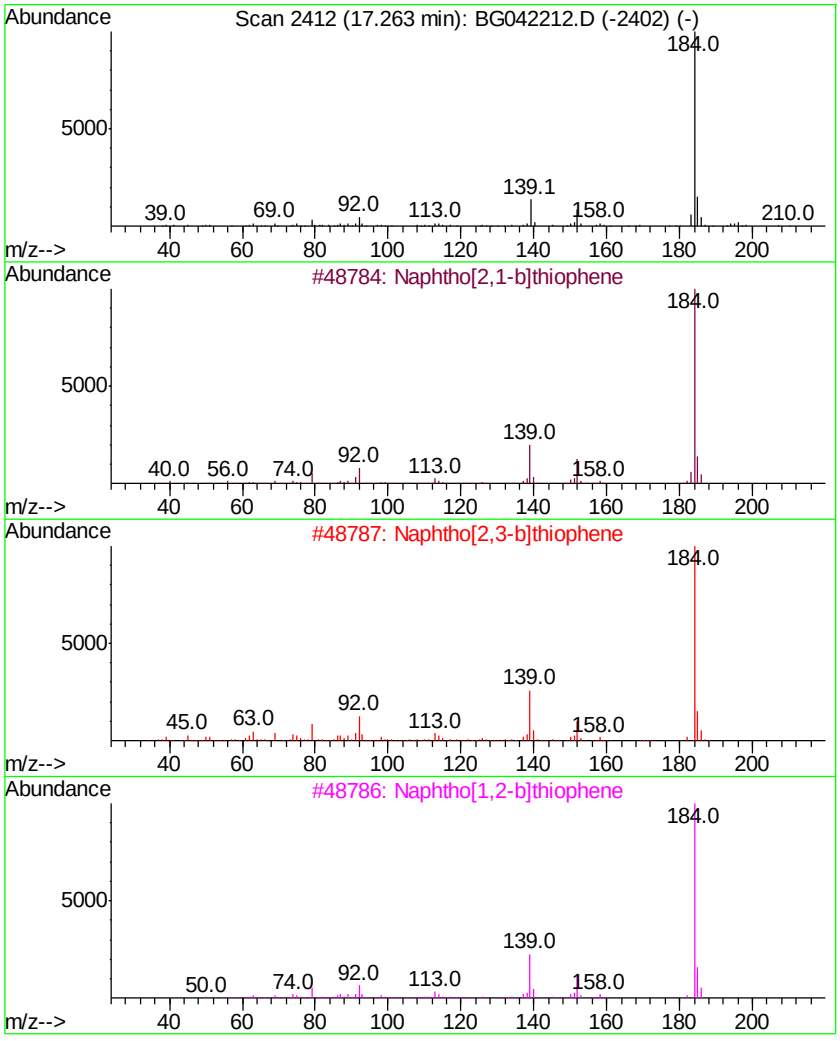
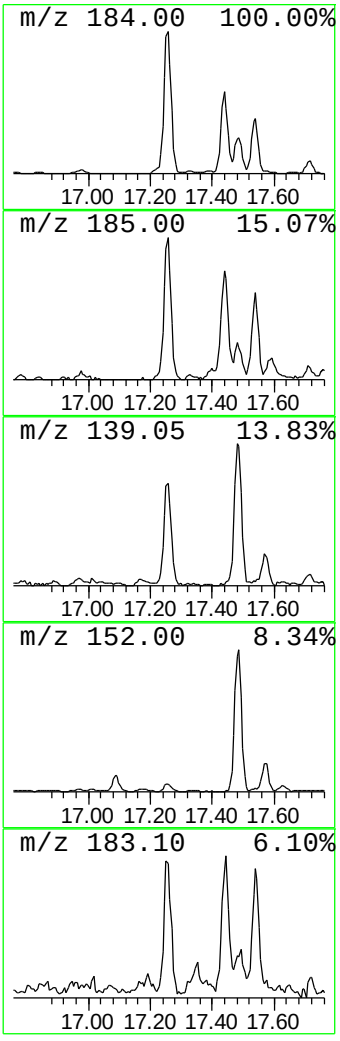
Peak Number 9 Naphtho[2,1-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	5.63 ng/ul	310243	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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Quant Title : SVOA CALIBRATION

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

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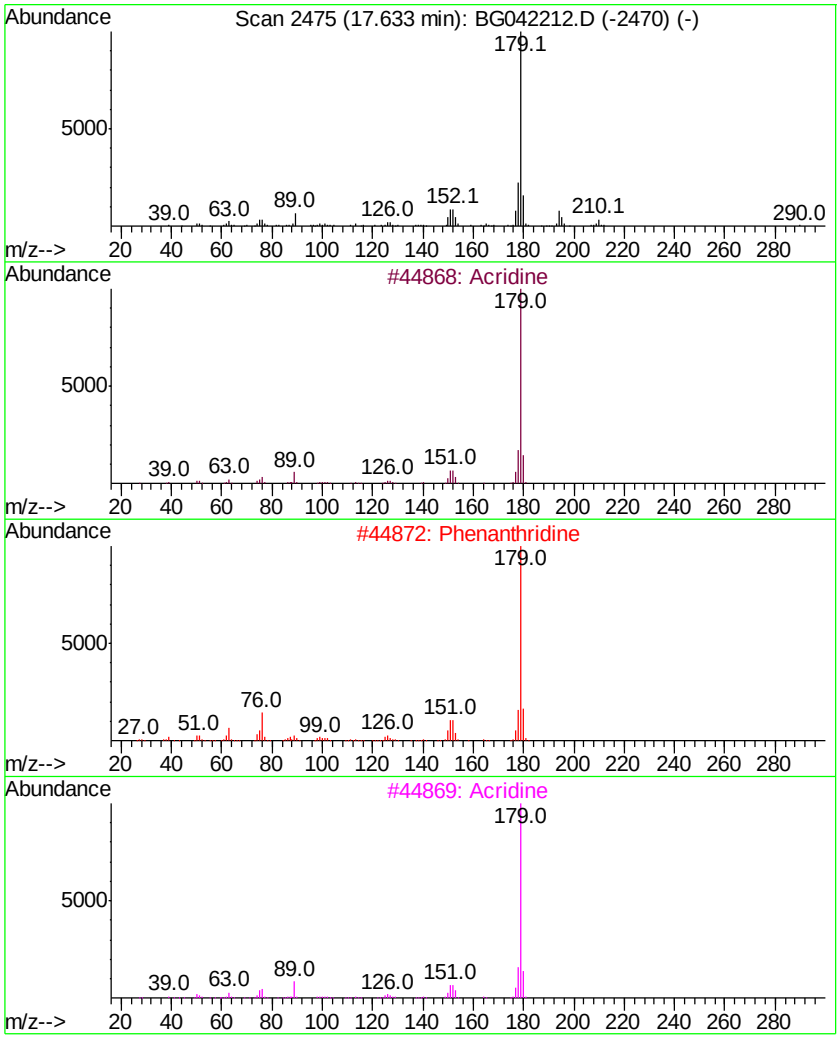
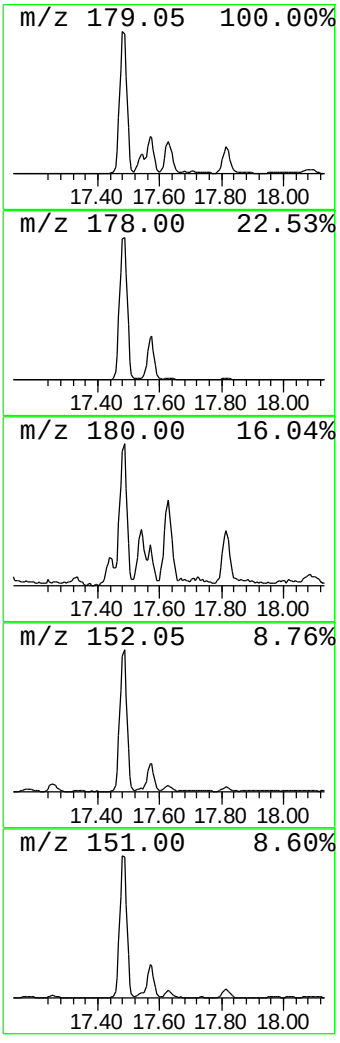
Peak Number 10 Acridine Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	3.59 ng/ul	197802	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Phenanthridine	179	C13H9N	000229-87-8	93
3	Acridine	179	C13H9N	000260-94-6	93
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	91
5	Acridine	179	C13H9N	000260-94-6	90





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Misc :
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Instrument : BNA_G
ClientSampleId : ETOC8DL

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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 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	10.14 ng/ul	558478	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
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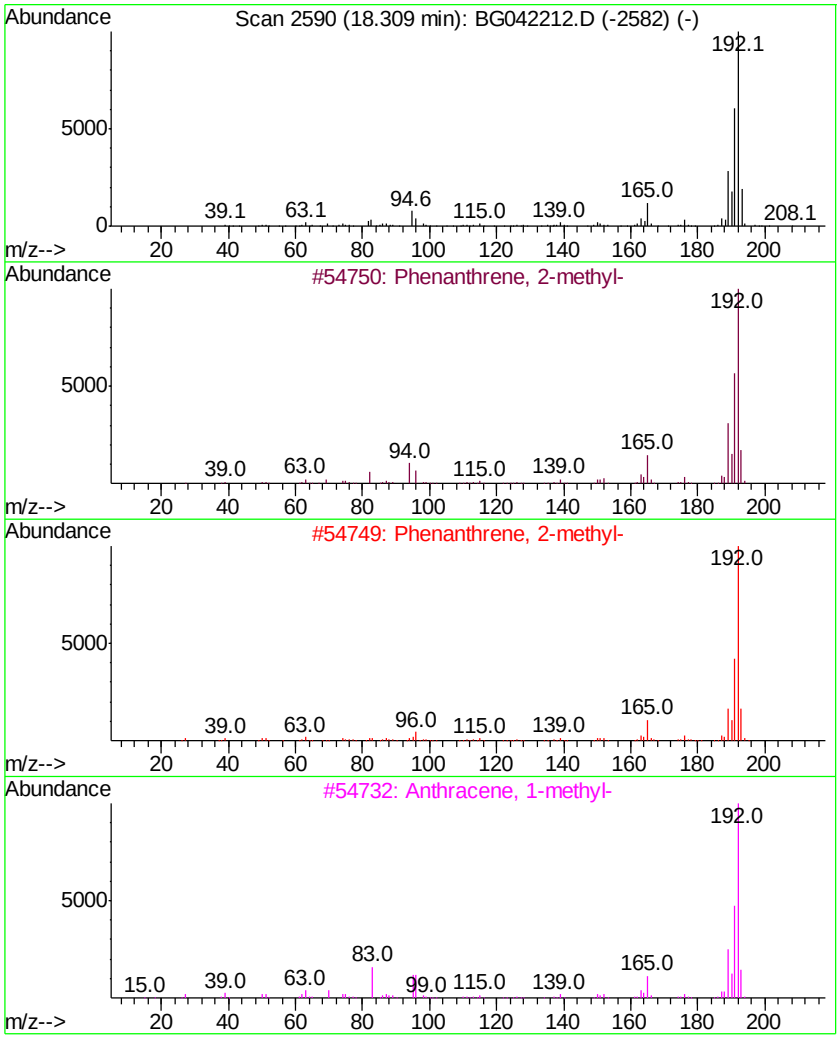
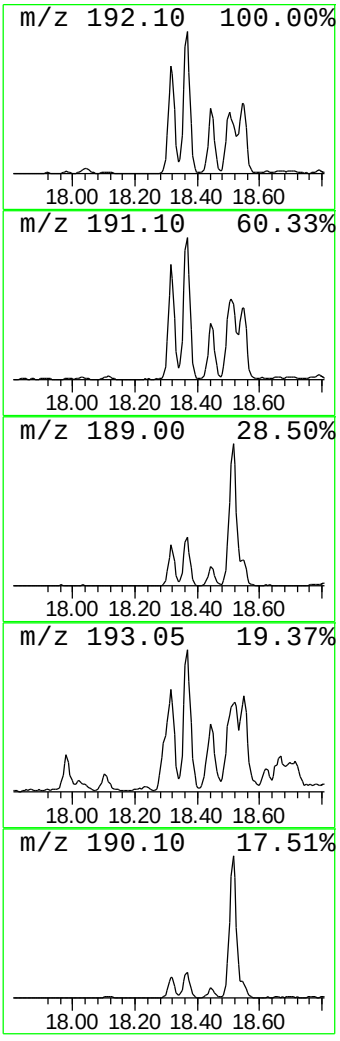
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8DL

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Quant Title : SVOA CALIBRATION

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

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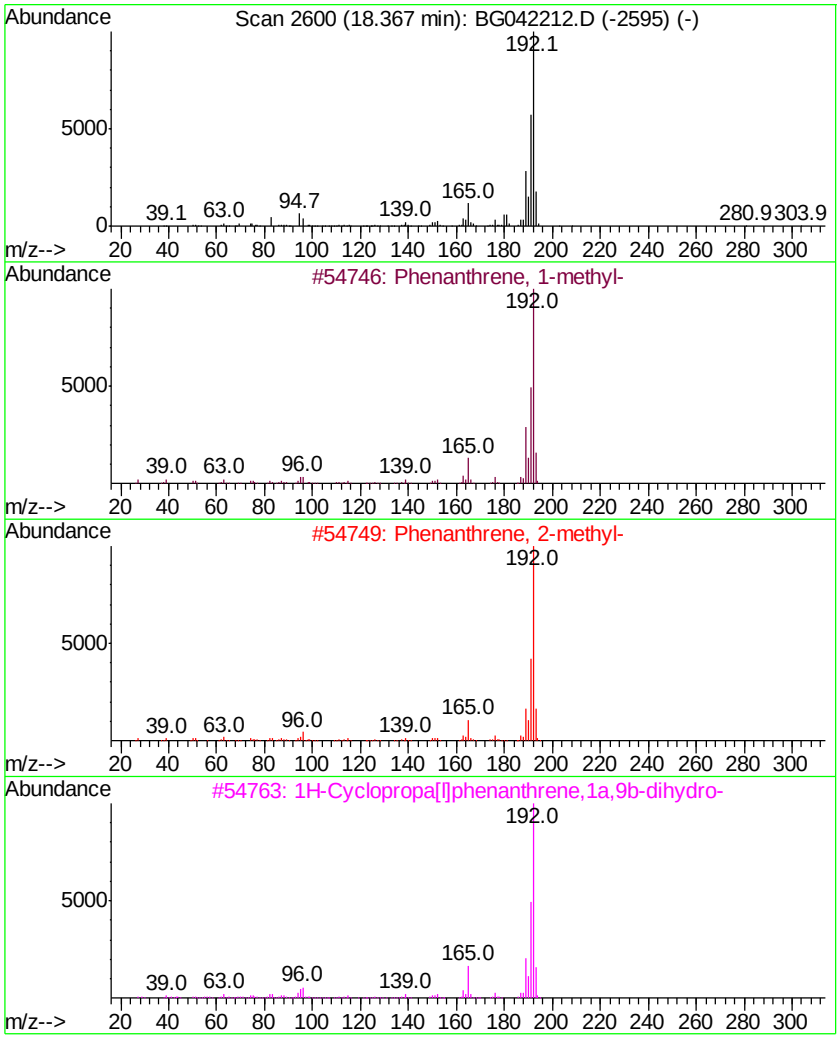
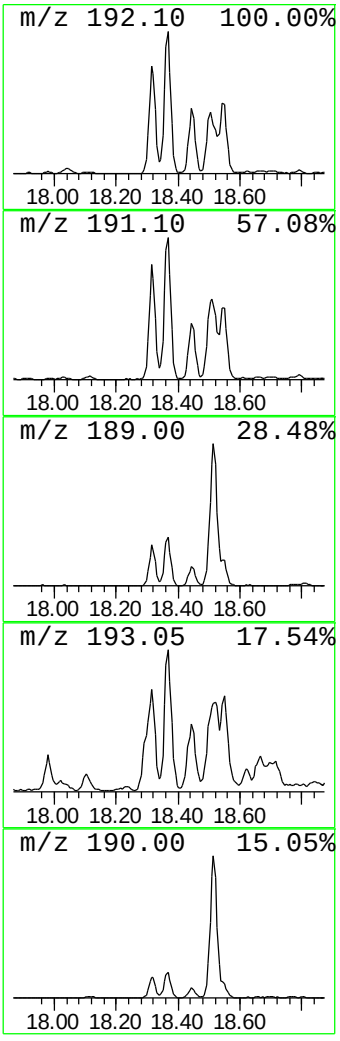
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	12.76 ng/ul	702880	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Sample : K4215-15DL 2X
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Instrument : BNA_G
ClientSampleId : ETOC8DL

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Quant Title : SVOA CALIBRATION

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

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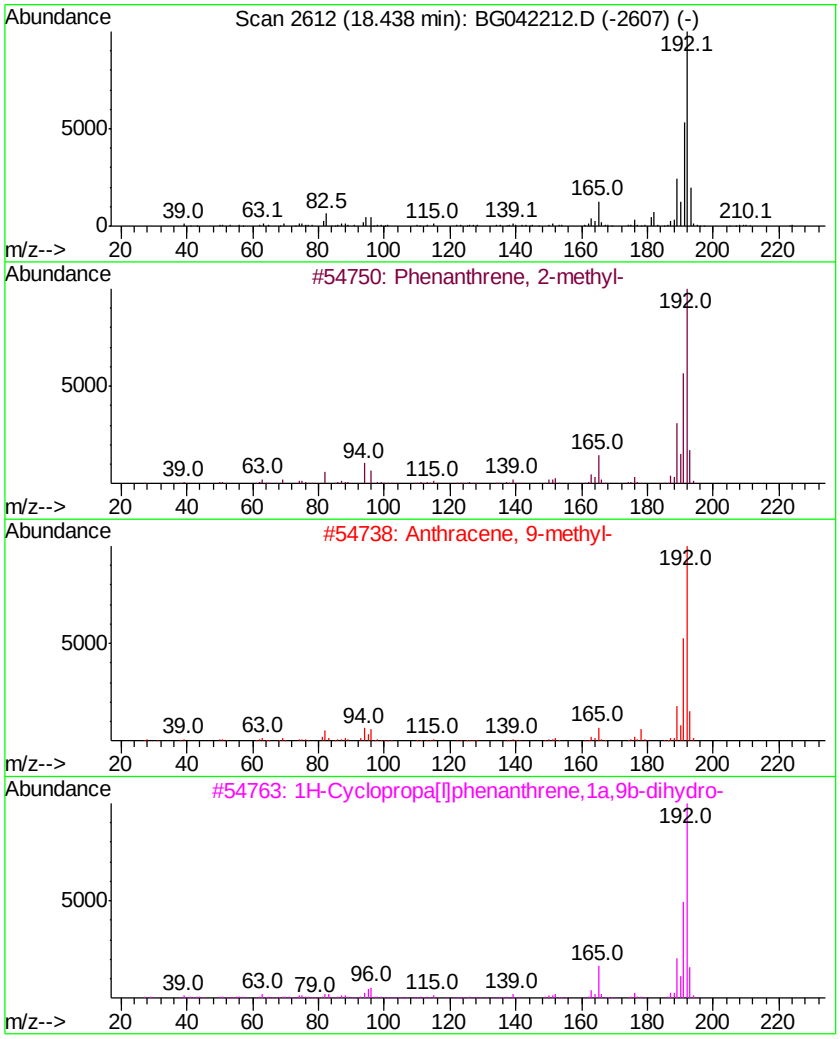
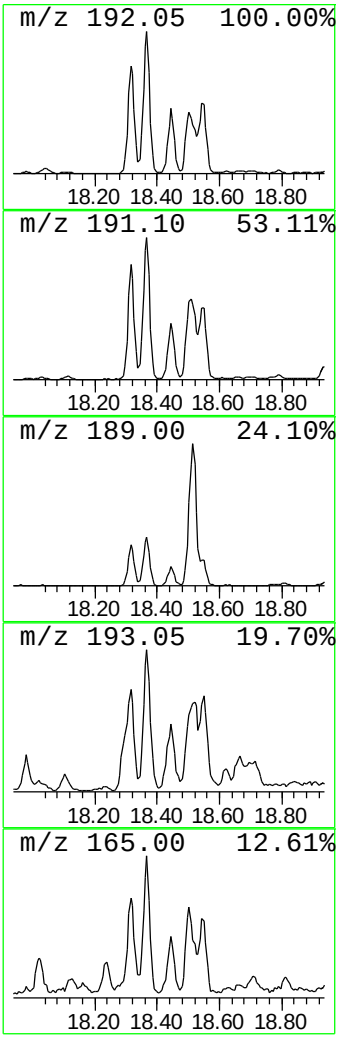
Peak Number 13 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	4.87 ng/ul	268448	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Quant Title : SVOA CALIBRATION

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

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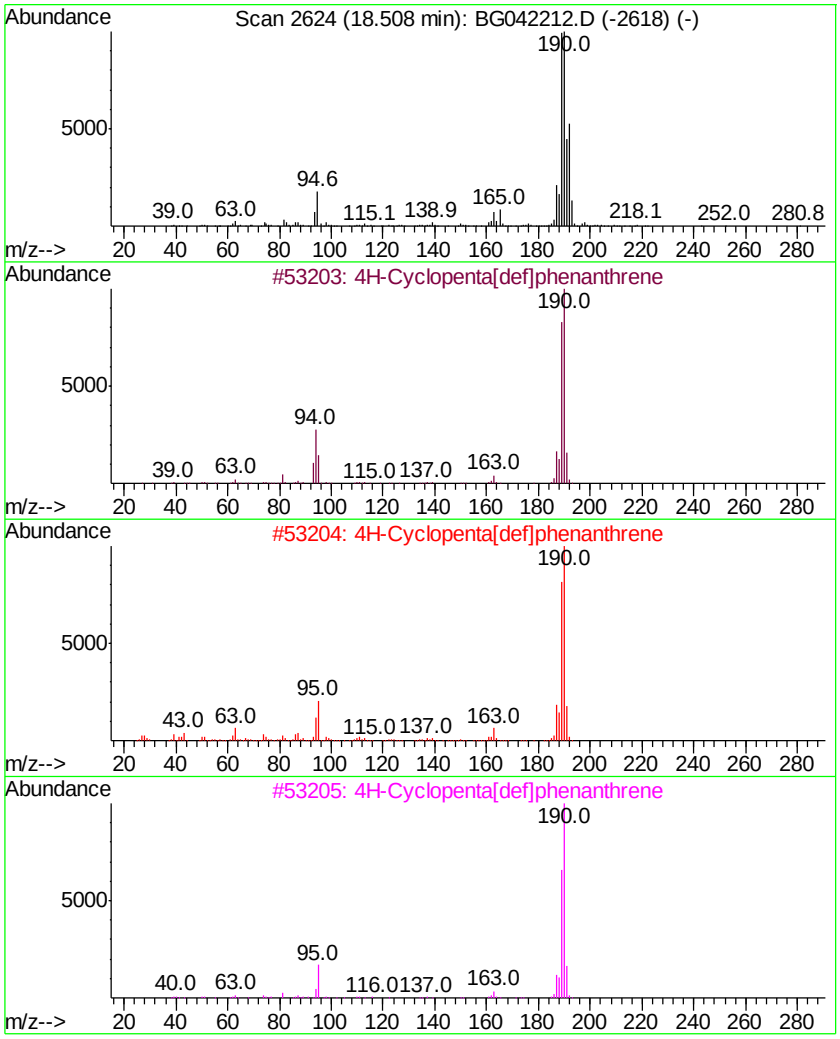
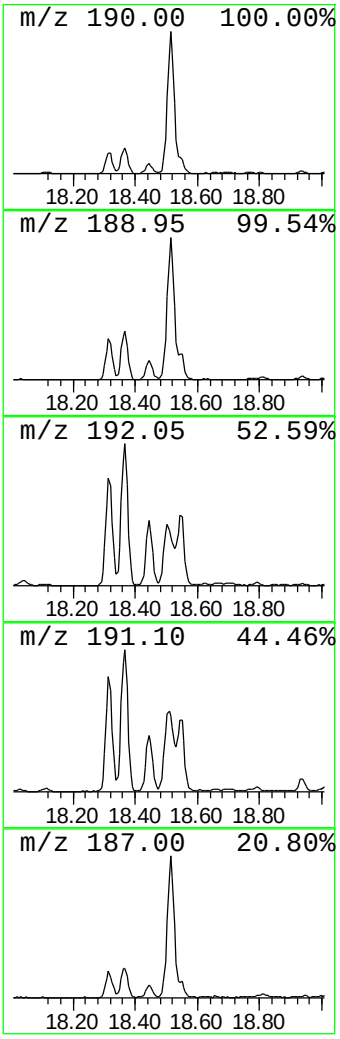
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	17.94 ng/ul	988089	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42





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Quant Title : SVOA CALIBRATION

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

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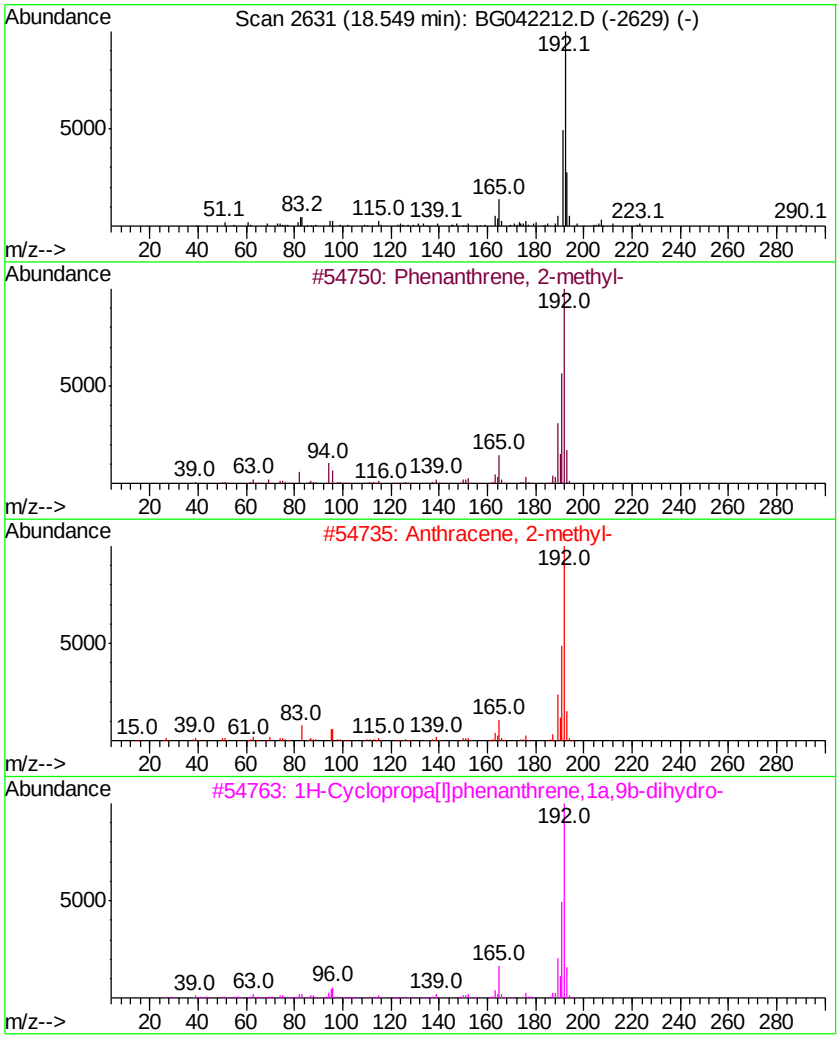
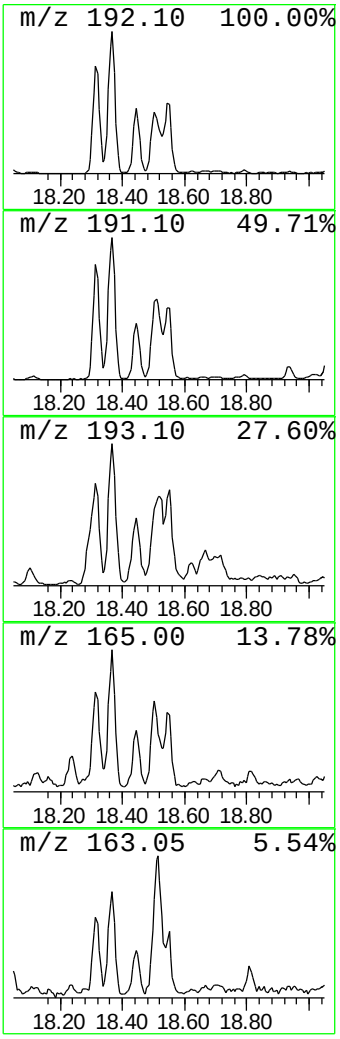
Peak Number 15 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	4.15 ng/ul	228616	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	80
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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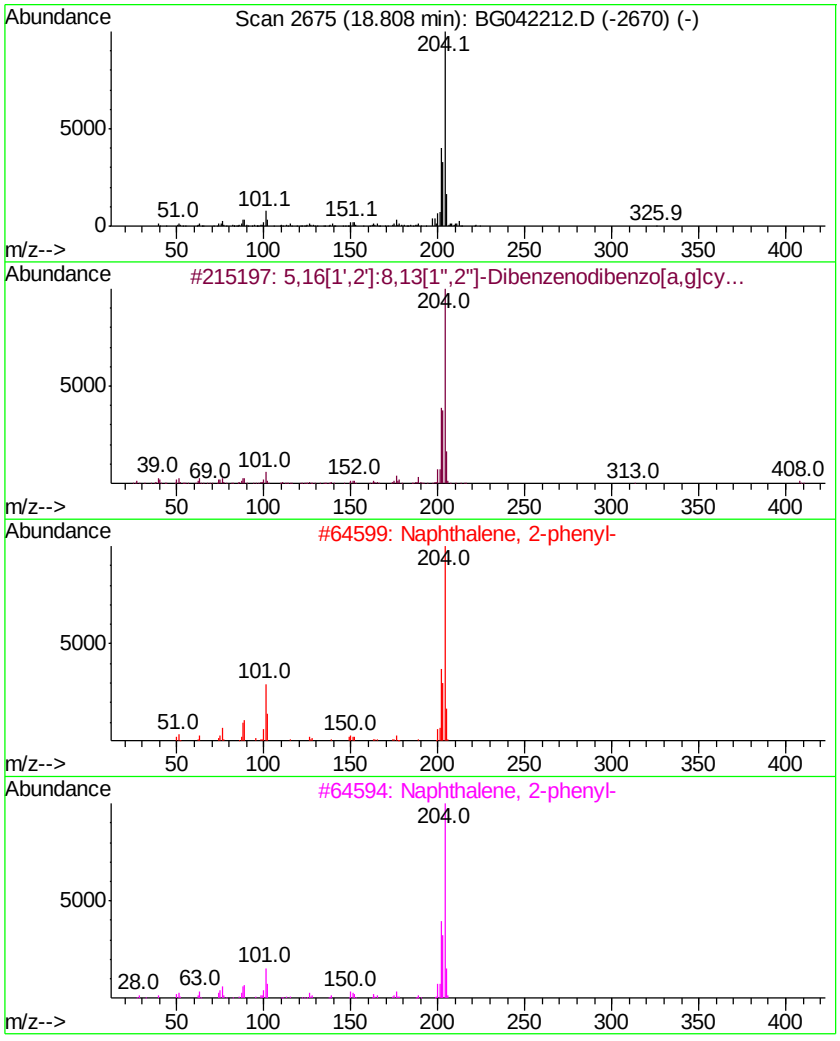
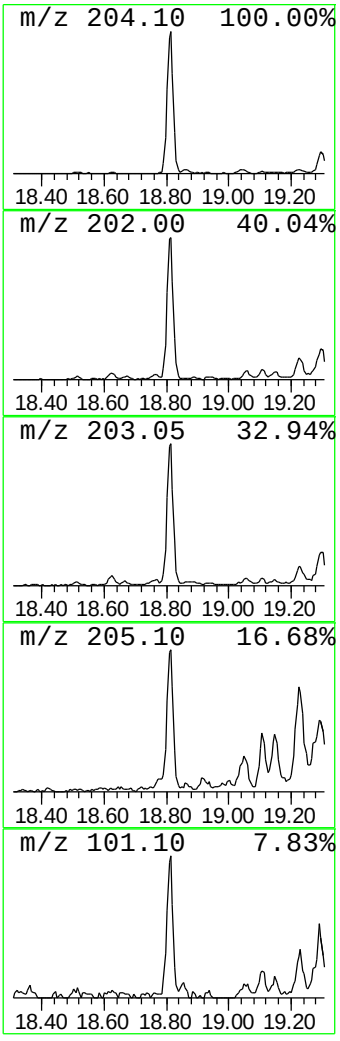
Peak Number 16 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	6.78 ng/ul	373562	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	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





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ALS Vial : 74 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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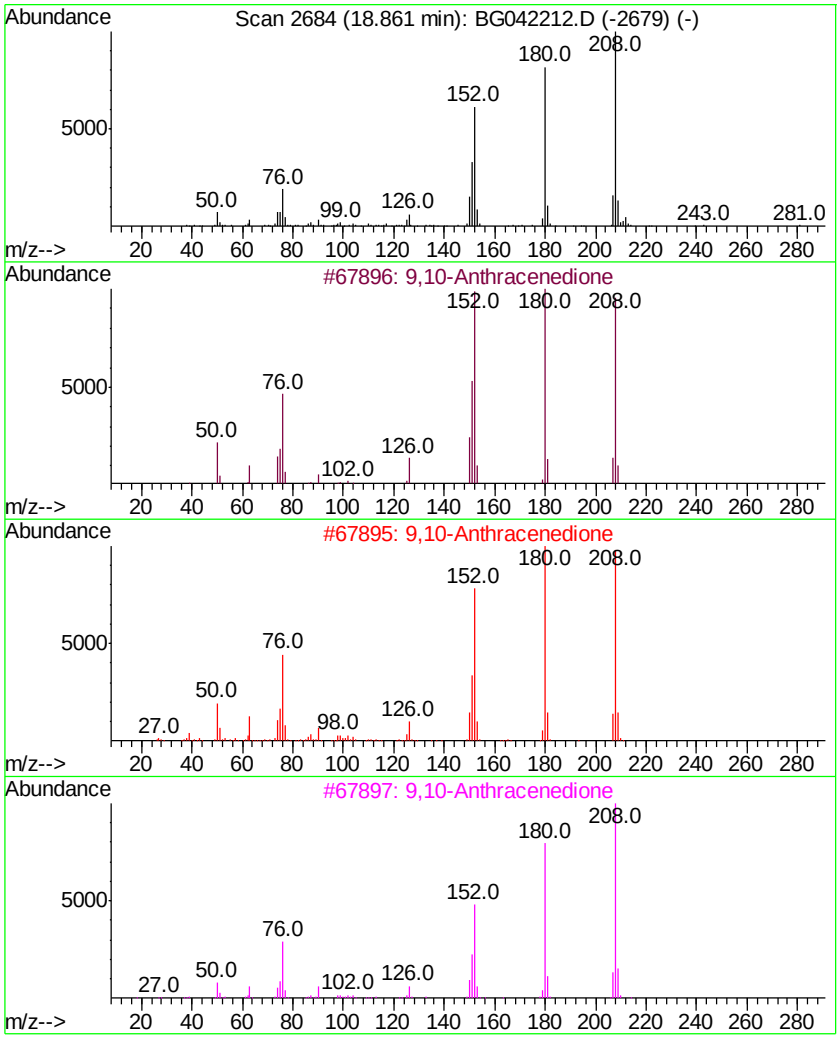
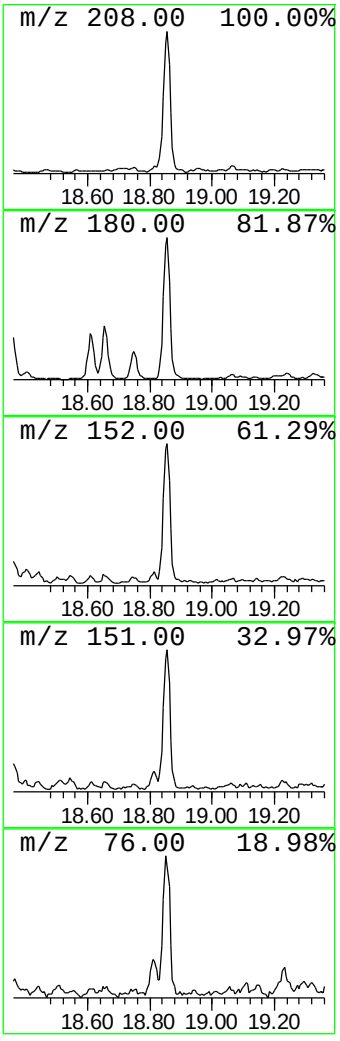
Peak Number 17 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	5.90 ng/ul	325117	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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Sample : K4215-15DL 2X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8DL

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Quant Title : SVOA CALIBRATION

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

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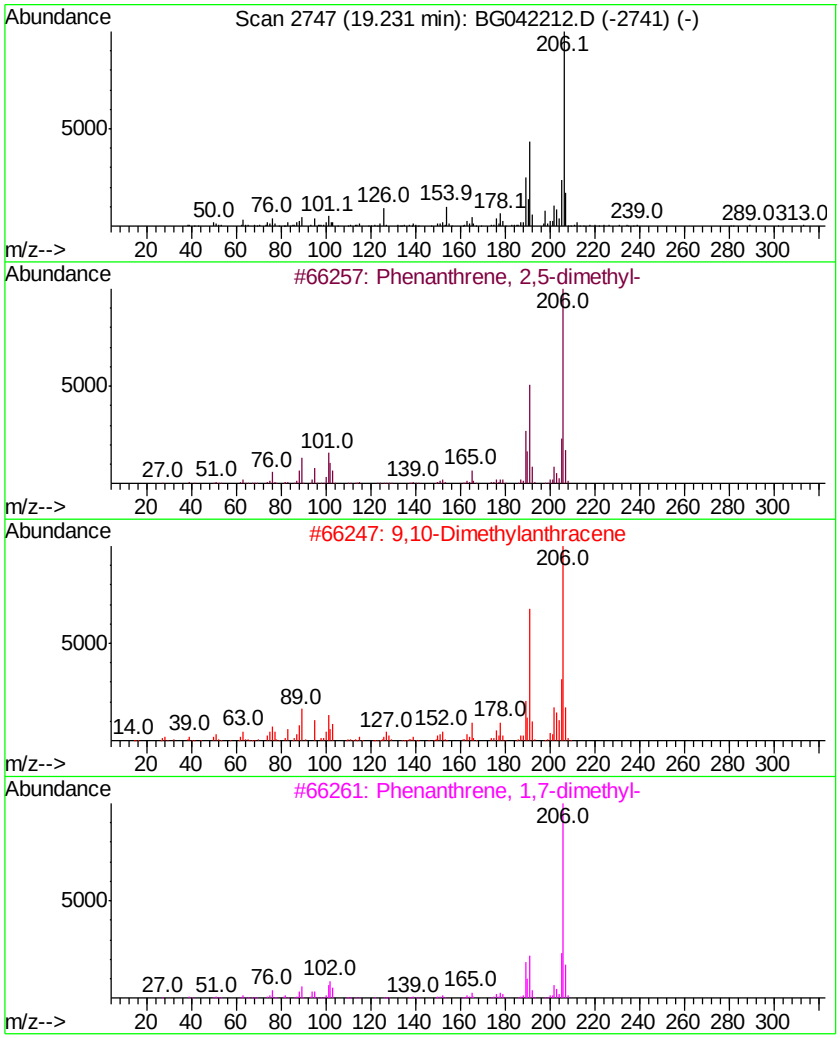
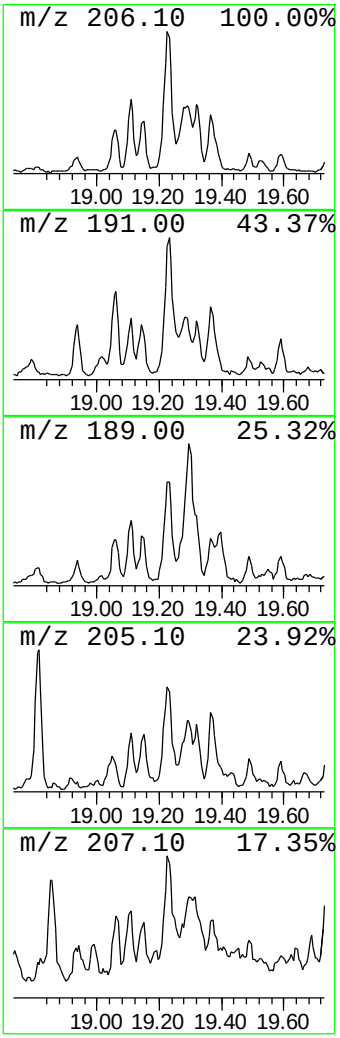
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	5.49 ng/ul	302622	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81





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Instrument : BNA_G
ClientSampleId : ETOC8DL

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Quant Title : SVOA CALIBRATION

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

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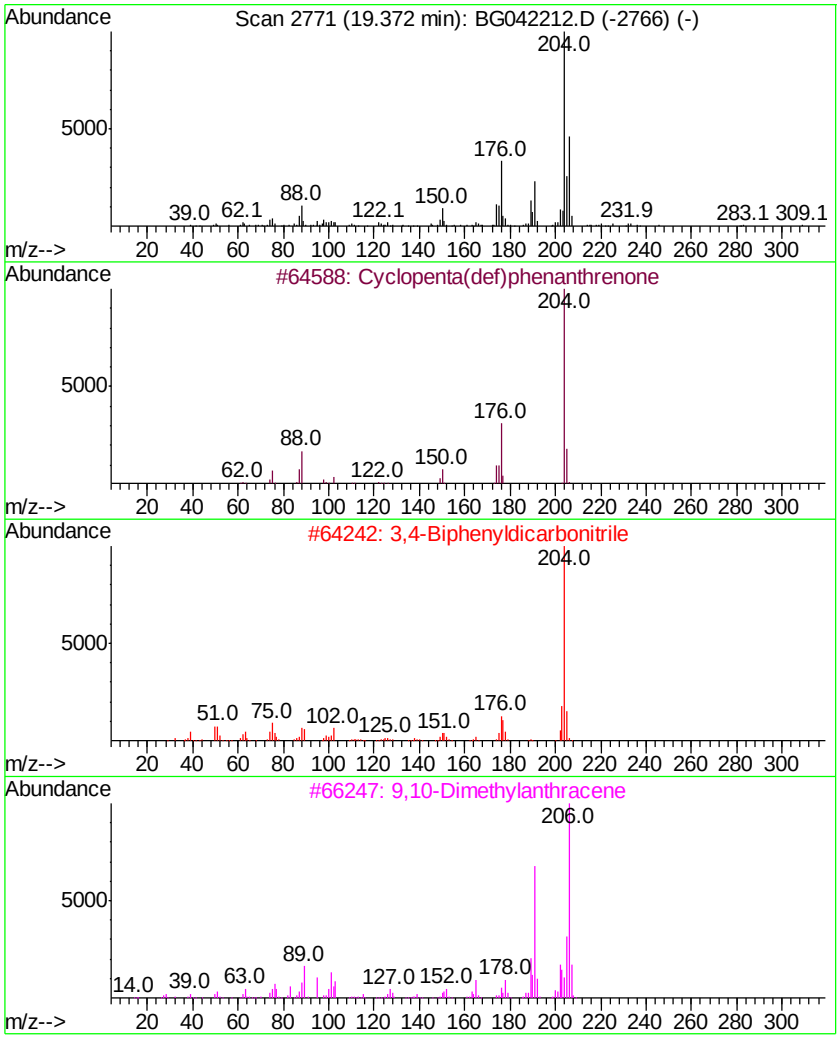
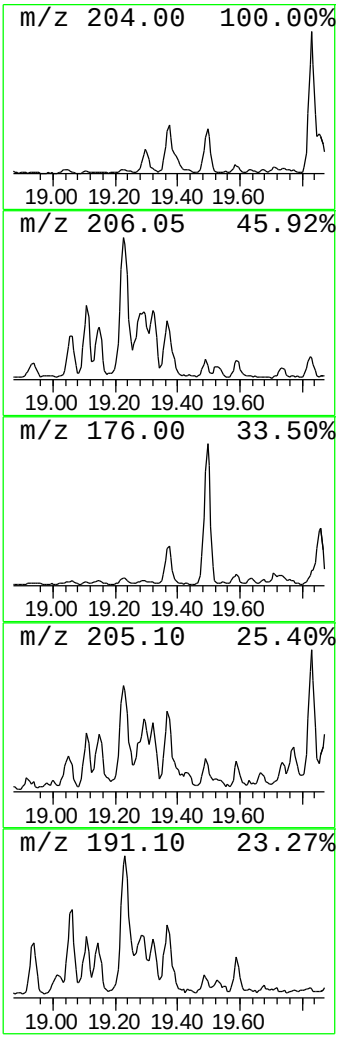
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	4.24 ng/ul	233455	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38
5	4-Quinolinol, 5,8-dimethoxy-2-me...	219	C12H13NO3	1000337-90-3	38





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Quant Title : SVOA CALIBRATION

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

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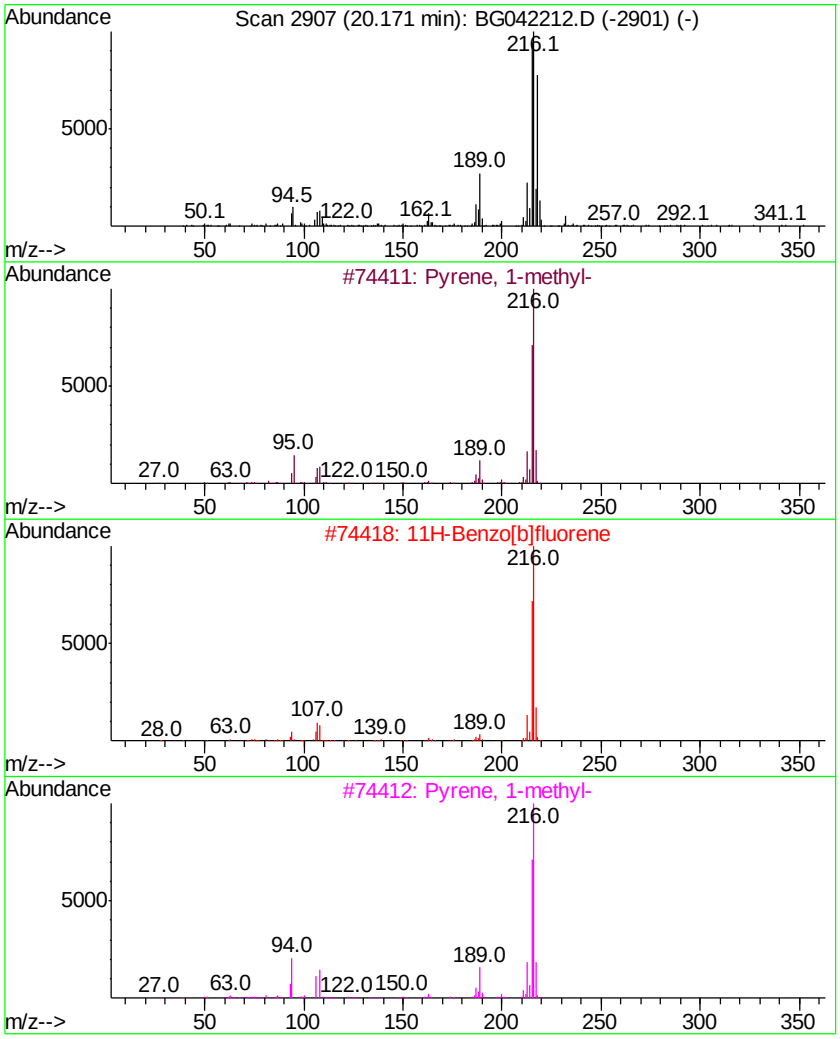
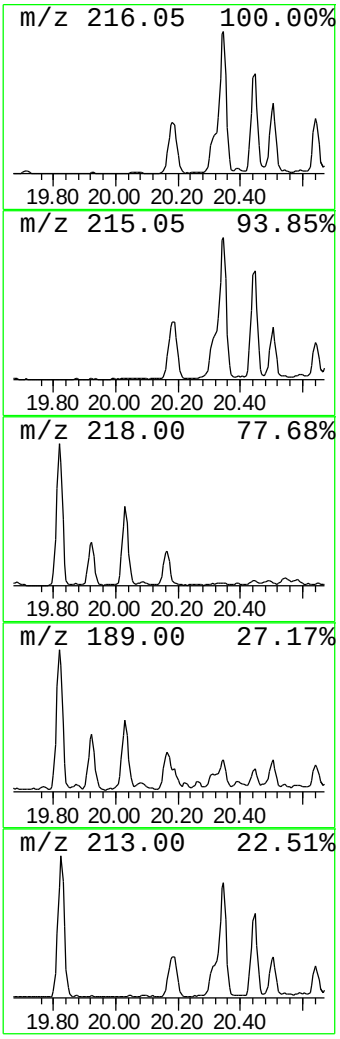
Peak Number 20 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	2.74 ng/ul	563786	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	64
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	51





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Misc :
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ClientSampleId : ETOC8DL

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Quant Title : SVOA CALIBRATION

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

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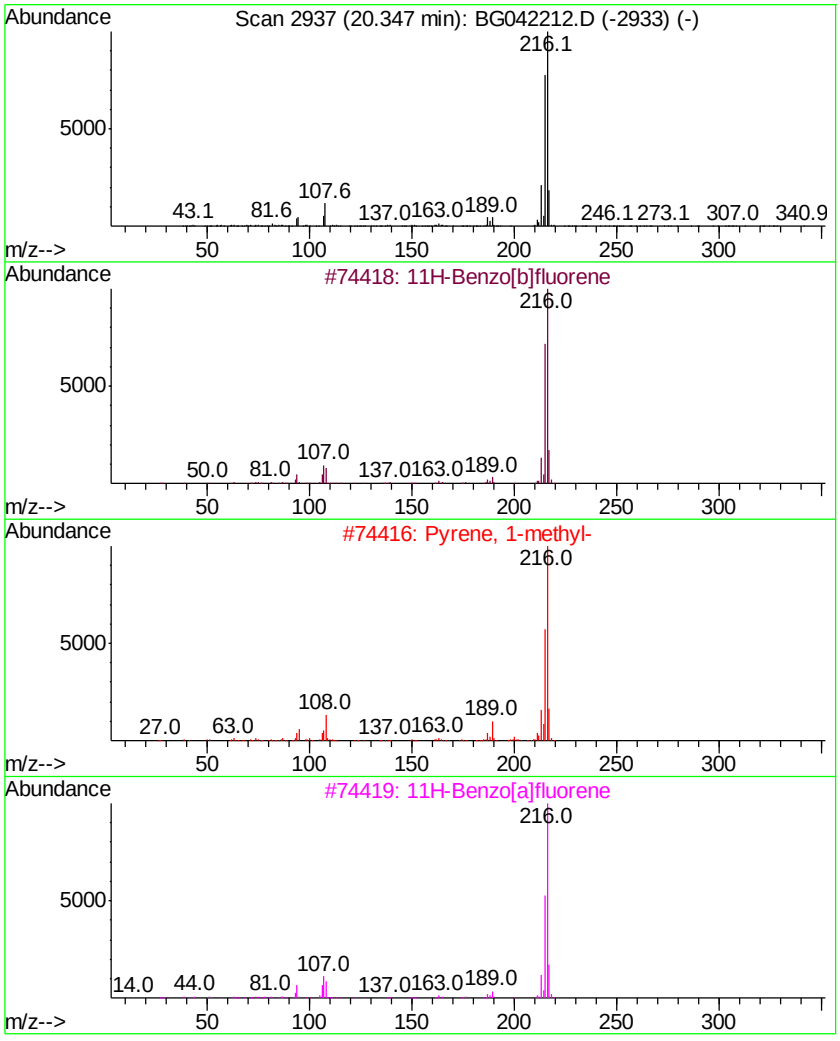
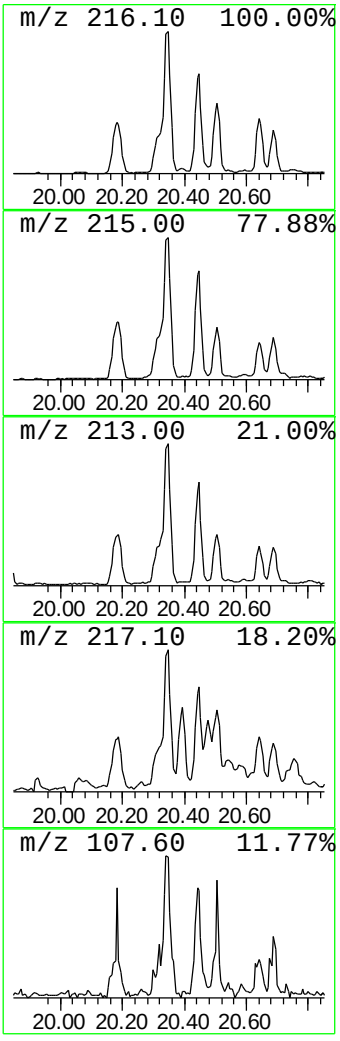
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.35	3.45 ng/ul	708417	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Misc :
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Quant Title : SVOA CALIBRATION

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

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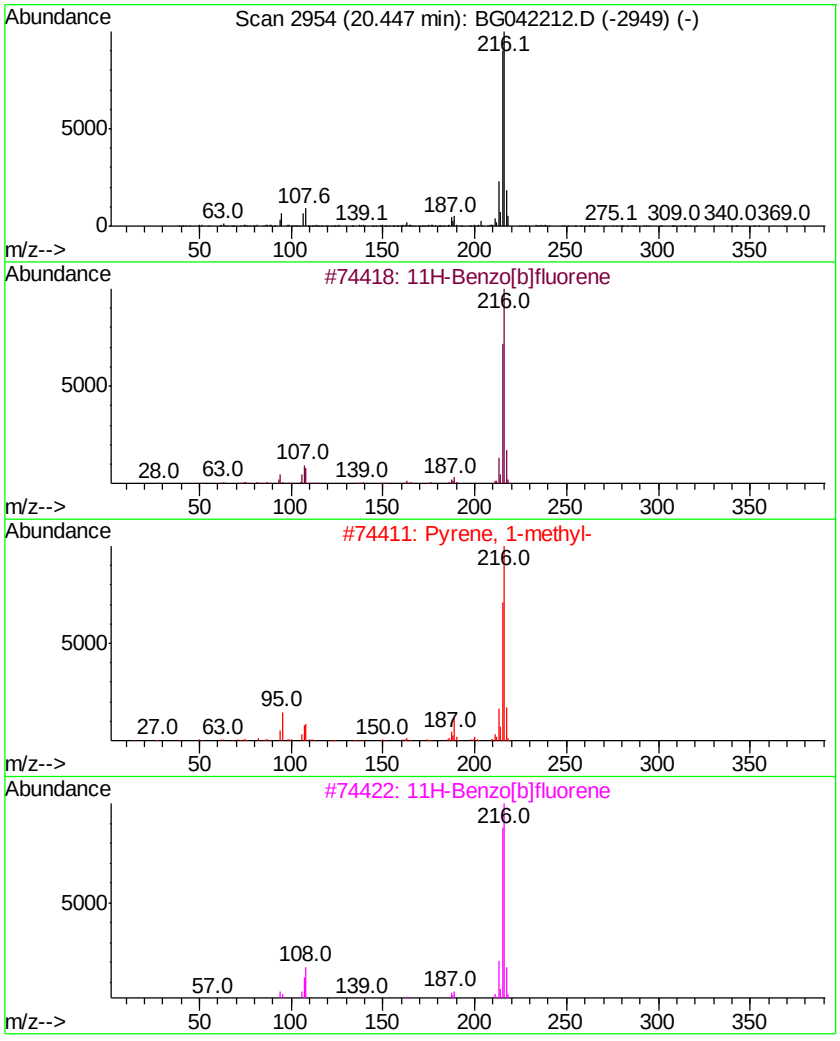
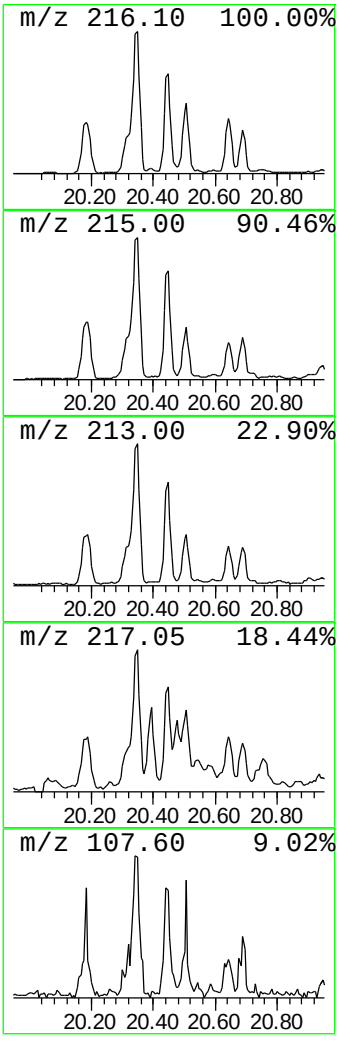
Peak Number 22 Fluoranthene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.45	2.42 ng/ul	497883	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Quant Title : SVOA CALIBRATION

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

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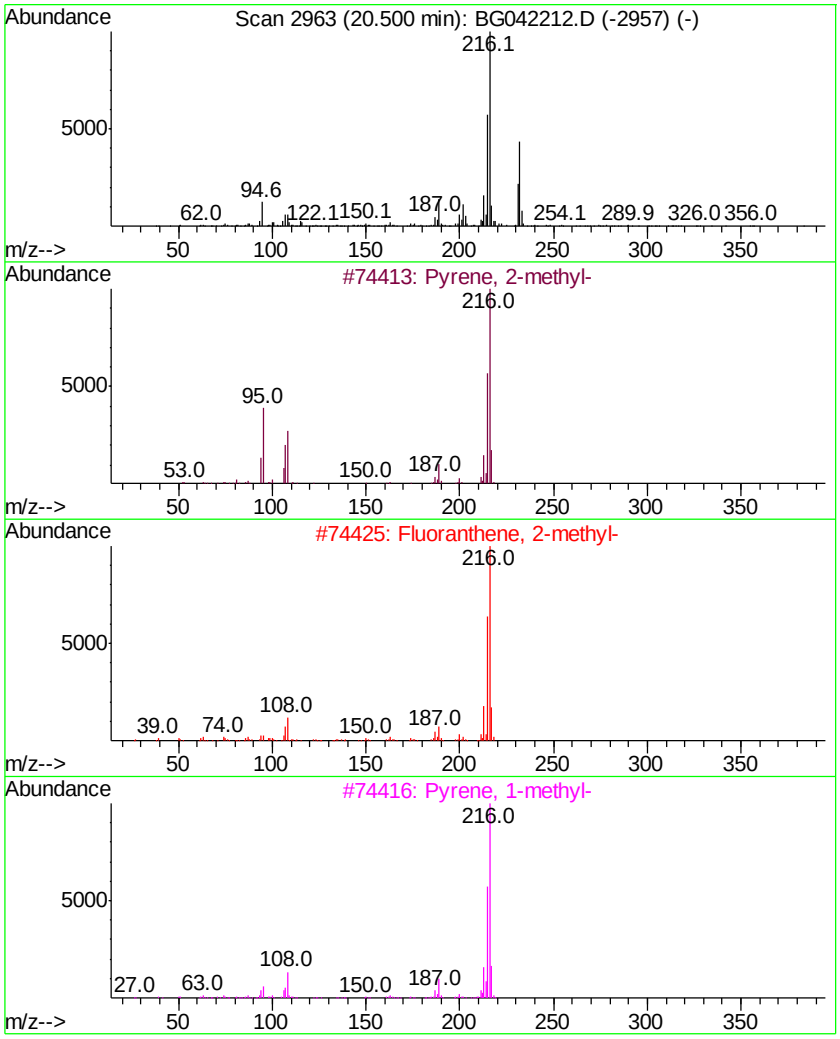
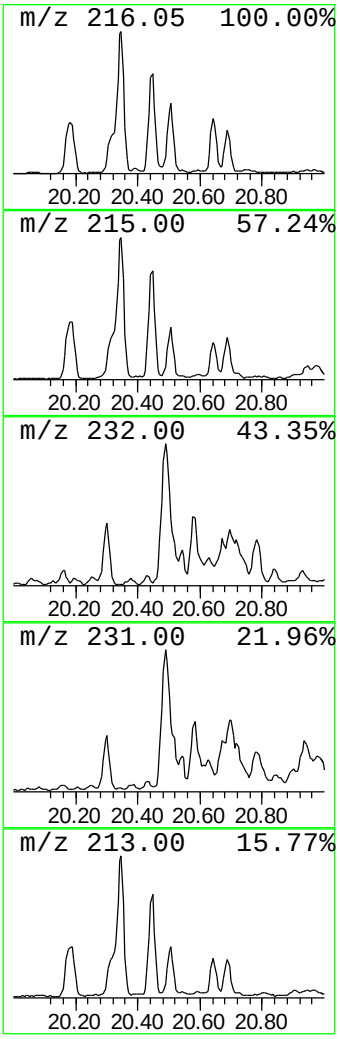
Peak Number 23 11H-Benzo[a]fluorene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	2.48 ng/ul	508876	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	78
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	53
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53





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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 24 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.29	2.06 ng/ul	423642	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
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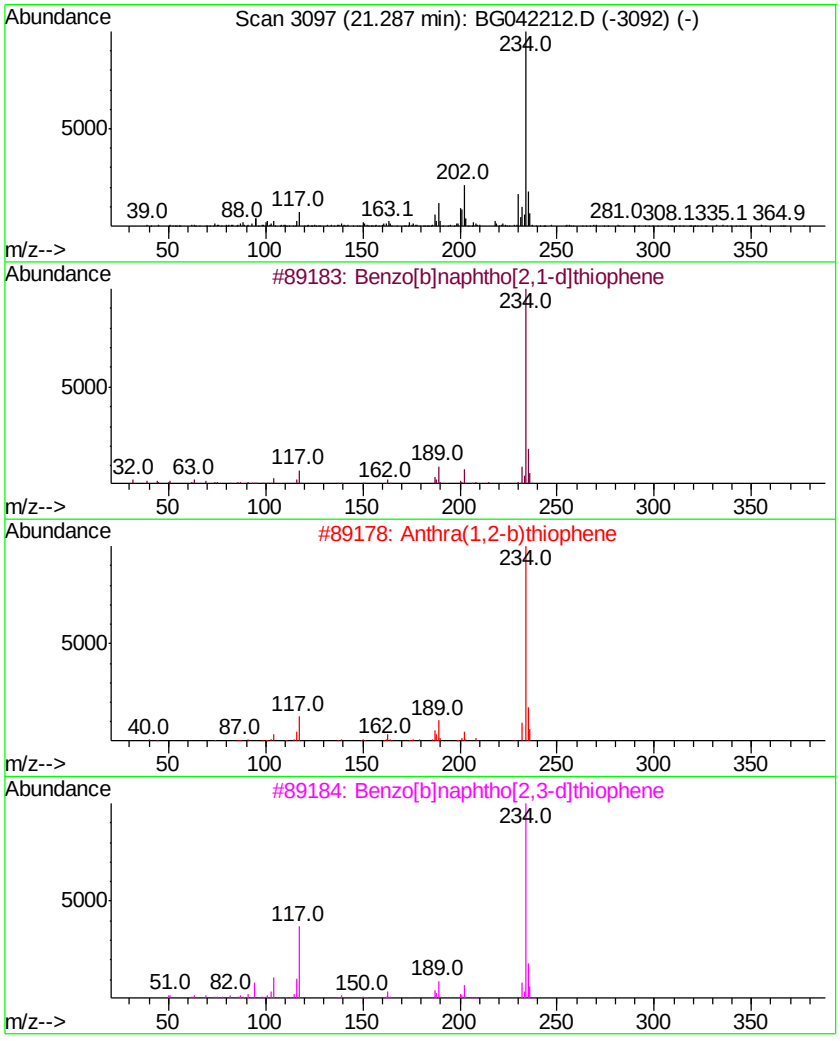

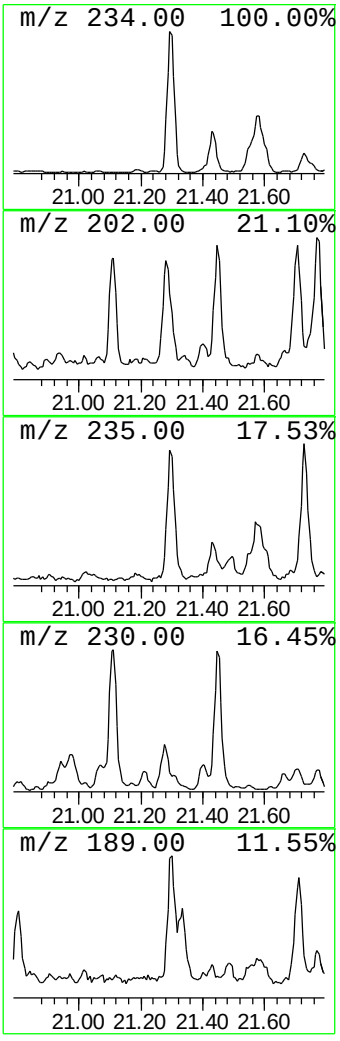

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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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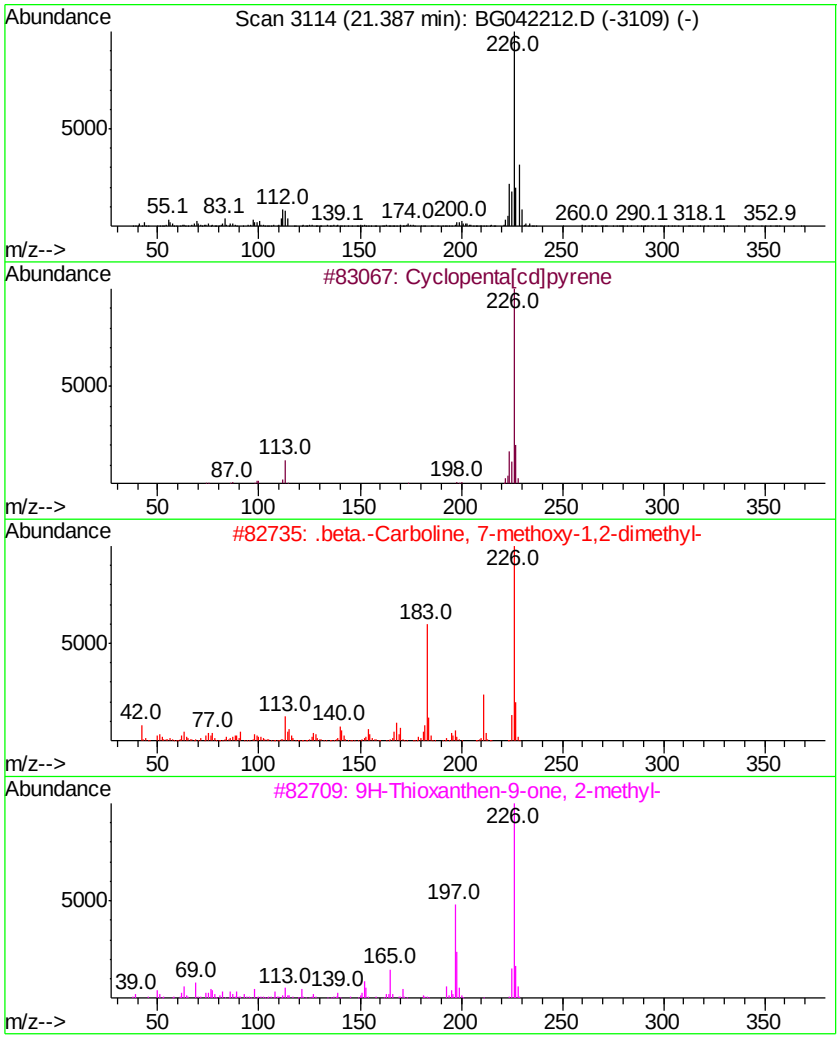
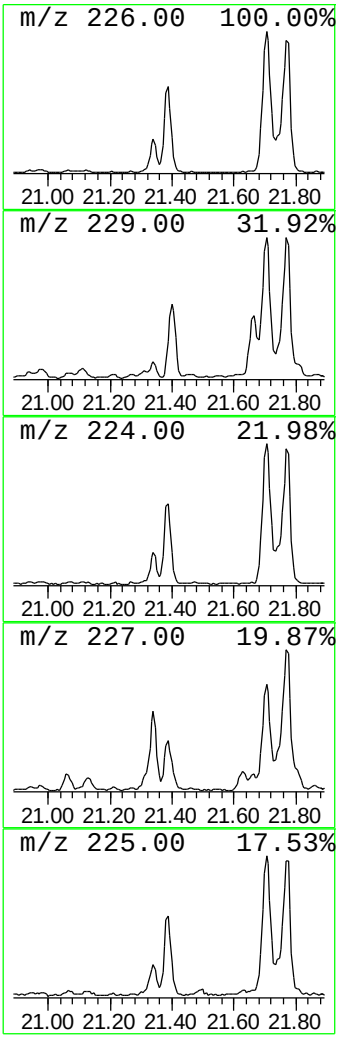
Peak Number 25 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	3.43 ng/ul	705225	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	52
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
5	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	43





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Misc :
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Quant Title : SVOA CALIBRATION

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

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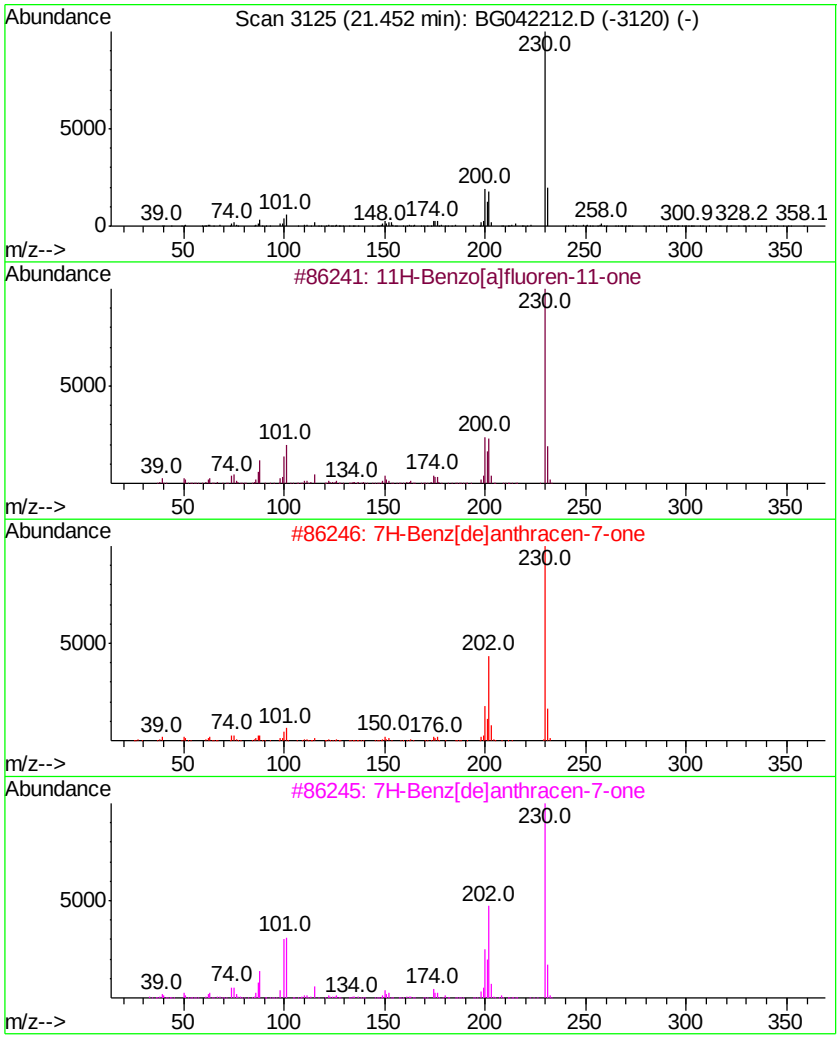
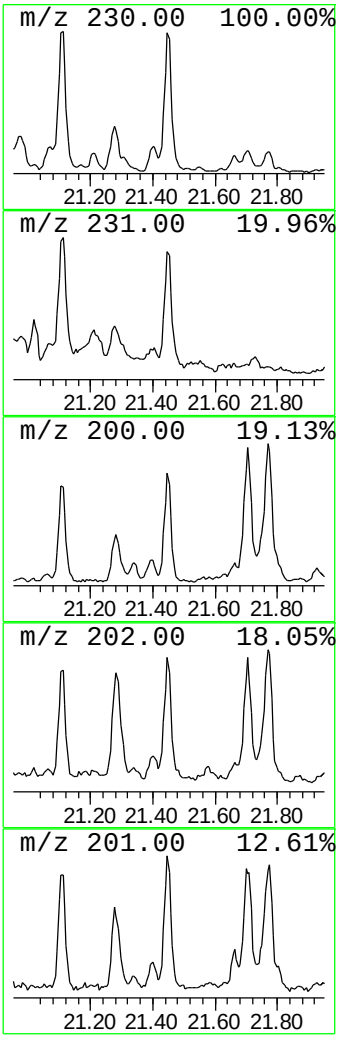
Peak Number 26 7H-Benz[de]anthracen-7-one Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.45	2.34 ng/ul	481294	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	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
5	o-Terphenyl	230	C18H14	000084-15-1	53





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Quant Title : SVOA CALIBRATION

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

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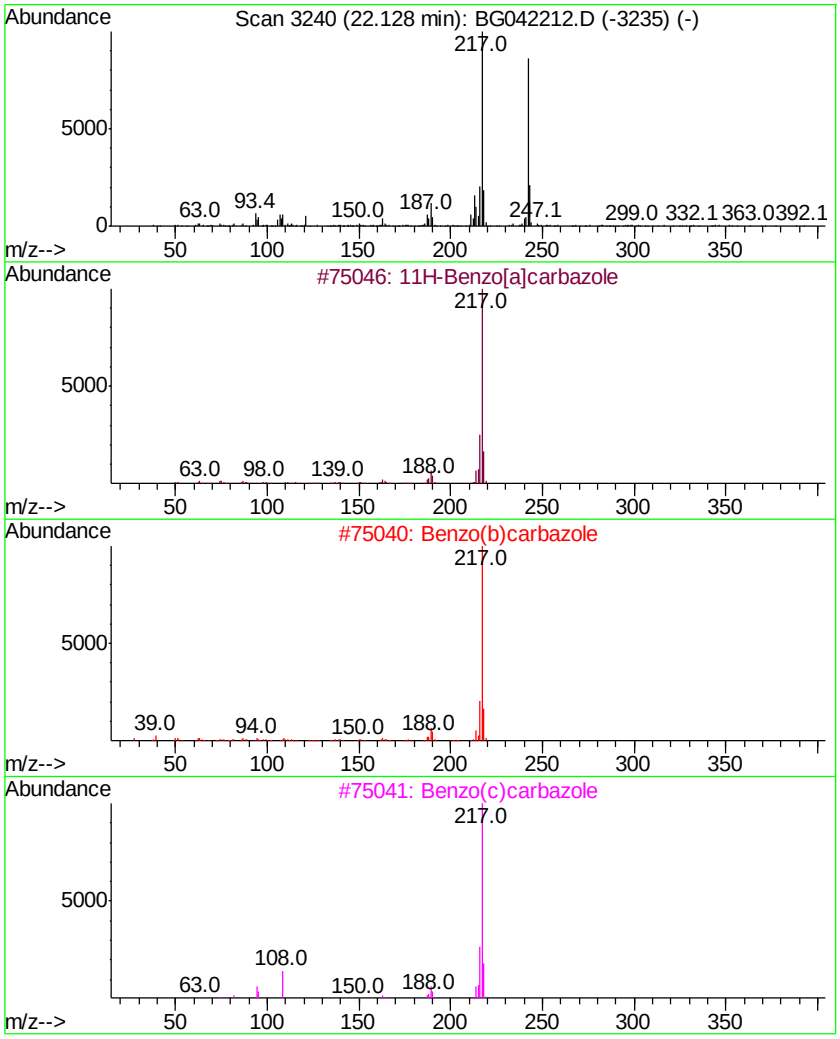
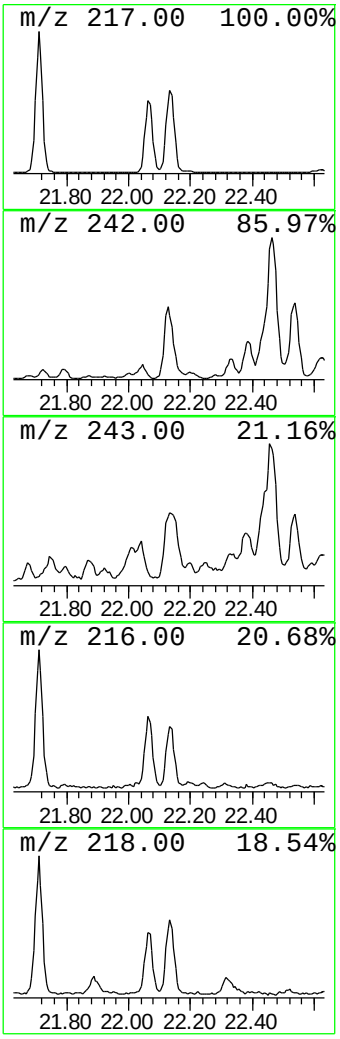
Peak Number 27 Benzo(b)carbazole Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.13	2.11 ng/ul	434139	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	64
2	Benzo(b)carbazole	217	C16H11N	000243-28-7	64
3	Benzo(c)carbazole	217	C16H11N	034777-33-8	64
4	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	64
5	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	64





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Quant Title : SVOA CALIBRATION

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

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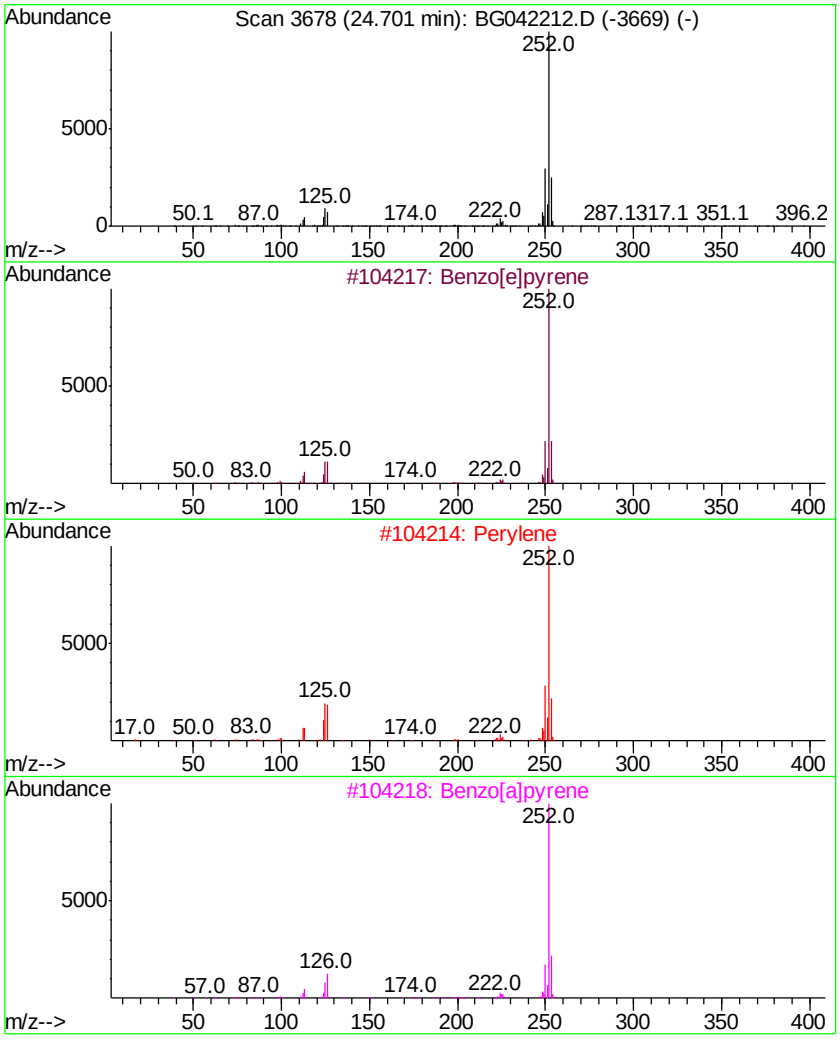
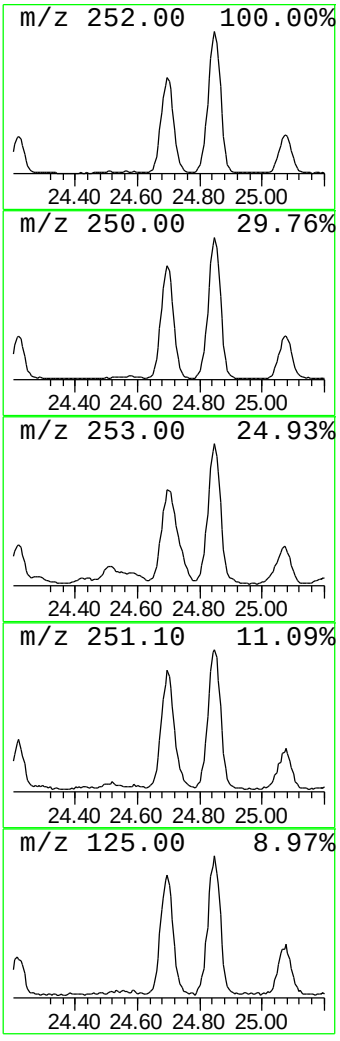
Peak Number 29 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.70	24.18 ng/ul	1566700	Perylene-d12	25.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081319\
Data File : BG042212.D
Acq On : 14 Aug 2019 16:26
Operator : HP/JU
Sample : K4215-15DL 2X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8DL

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	54.9	ng/ul	1163980	1	8.03	424010	20.0
Naphthalene, 1-me...	12.73	3.1	ng/ul	99593	2	10.85	637283	20.0
Naphthalene, 1,3-...	14.01	2.4	ng/ul	116303	3	14.68	958965	20.0
[1,1'-Biphenyl]-4...	16.03	3.1	ng/ul	150483	3	14.68	958965	20.0
6H-Dibenzo[b,d]-p...	16.18	4.2	ng/ul	230995	4	17.44	1101480	20.0
9H-Fluorene, 2-me...	16.74	2.4	ng/ul	131459	4	17.44	1101480	20.0
9H-Fluoren-9-one	17.09	3.1	ng/ul	169660	4	17.44	1101480	20.0
Phenol, 4-(2-phen...	17.17	2.4	ng/ul	129217	4	17.44	1101480	20.0
Naphtho[2,1-b]thi...	17.26	5.6	ng/ul	310243	4	17.44	1101480	20.0
Acridine	17.63	3.6	ng/ul	197802	4	17.44	1101480	20.0
Phenanthrene, 2-m...	18.31	10.1	ng/ul	558478	4	17.44	1101480	20.0
Phenanthrene, 1-m...	18.37	12.8	ng/ul	702880	4	17.44	1101480	20.0
Anthracene, 9-met...	18.44	4.9	ng/ul	268448	4	17.44	1101480	20.0
4H-Cyclopenta[def...	18.51	17.9	ng/ul	988089	4	17.44	1101480	20.0
Anthracene, 2-met...	18.55	4.2	ng/ul	228616	4	17.44	1101480	20.0
5,16[1',2']:8,13[...	18.81	6.8	ng/ul	373562	4	17.44	1101480	20.0
9,10-Anthracenedione	18.86	5.9	ng/ul	325117	4	17.44	1101480	20.0
Phenanthrene, 2,5...	19.23	5.5	ng/ul	302622	4	17.44	1101480	20.0
Cyclopenta(def)ph...	19.37	4.2	ng/ul	233455	4	17.44	1101480	20.0
Pyrene, 1-methyl-	20.17	2.7	ng/ul	563786	5	21.72	4110530	20.0
11H-Benzo[b]fluorene	20.35	3.5	ng/ul	708417	5	21.72	4110530	20.0
Fluoranthene, 2-m...	20.45	2.4	ng/ul	497883	5	21.72	4110530	20.0
11H-Benzo[a]fluorene	20.50	2.5	ng/ul	508876	5	21.72	4110530	20.0
Benzo[b]naphtho[2...	21.29	2.1	ng/ul	423642	5	21.72	4110530	20.0
Cyclopenta[cd]pyrene	21.39	3.4	ng/ul	705225	5	21.72	4110530	20.0
7H-Benz[de]anthra...	21.45	2.3	ng/ul	481294	5	21.72	4110530	20.0
Benzo(b)carbazole	22.13	2.1	ng/ul	434139	5	21.72	4110530	20.0
Benzo[e]pyrene	24.70	24.2	ng/ul	1566700	6	25.00	1295970	20.0