LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028431.D
Acq On : 22 Aug 2017 23:57
Operator : SJ/JU
Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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	8.343	802	809	821	rVB2	147265	264900	5.11%	0.449%
2	11.164	1280	1289	1293	rBV	233500	438088	8.45%	0.743%
3	11.217	1293	1298	1305	rVV	143095	266408	5.14%	0.452%
4	12.797	1558	1567	1574	rBV	115350	196453	3.79%	0.333%
5	13.014	1594	1604	1613	rVB	90075	157480	3.04%	0.267%
6	14.125	1783	1793	1801	rBV5	45872	122207	2.36%	0.207%
7	14.272	1811	1818	1823	rBV2	87494	165066	3.18%	0.280%
8	14.336	1823	1829	1834	rVV3	107049	218030	4.20%	0.370%
9	14.648	1874	1882	1901	rBV3	95585	254340	4.90%	0.432%
10	14.953	1919	1934	1940	rBV2	394917	726209	14.00%	1.232%
11	15.018	1940	1945	1951	rVV	260806	420953	8.12%	0.714%
12	15.347	1993	2001	2008	rVV	269939	464749	8.96%	0.789%
13	15.940	2097	2102	2106	rVV3	124111	204352	3.94%	0.347%
14	15.993	2106	2111	2119	rVV	422149	703658	13.57%	1.194%
15	16.087	2119	2127	2129	rVV6	38695	86976	1.68%	0.148%
16	16.158	2135	2139	2143	rVV3	64150	107276	2.07%	0.182%
17	16.287	2156	2161	2169	rVB	108817	187952	3.62%	0.319%
18	16.434	2169	2186	2194	rBV	117669	299197	5.77%	0.508%
19	16.628	2211	2219	2235	rVB10	37691	131559	2.54%	0.223%
20	16.998	2269	2282	2286	rBV4	100246	251009	4.84%	0.426%
21	17.221	2312	2320	2323	rBV2	63390	127266	2.45%	0.216%
22	17.262	2323	2327	2335	rVB3	50851	105952	2.04%	0.180%
23	17.356	2336	2343	2349	rVB2	82596	143385	2.76%	0.243%
24	17.415	2349	2353	2365	rBV5	57649	182490	3.52%	0.310%
25	17.521	2365	2371	2389	rVB2	175990	315576	6.08%	0.535%
26	17.703	2395	2402	2405	rBV	489808	822376	15.86%	1.395%
27	17.750	2405	2410	2415	rVB	3048205	4853208	93.57%	8.235%
28	17.803	2416	2419	2421	rVV2	165791	247483	4.77%	0.420%
29	17.838	2421	2425	2431	rVV	568562	882284	17.01%	1.497%
30	18.103	2461	2470	2483	rBV2	267181	565385	10.90%	0.959%
31	18.285	2494	2501	2508	rVB6	56507	113139	2.18%	0.192%
32	18.573	2540	2550	2554	rVV	393715	659578	12.72%	1.119%
33	18.620	2554	2558	2564	rVB	534449	805321	15.53%	1.367%
34	18.702	2565	2572	2577	rBV	175053	289609	5.58%	0.491%

LSC Area Percent Report

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Acq On : 22 Aug 2017 23:57
Operator : SJ/JU
Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

35	18.772	2577	2584	2596	rBV4	509076	1404421	27.08%	2.383%
36	19.060	2628	2633	2637	rVV	283205	404492	7.80%	0.686%
37	19.113	2637	2642	2650	rVV	224316	351548	6.78%	0.597%
38	19.301	2666	2674	2679	rBV2	99385	189835	3.66%	0.322%
39	19.354	2679	2683	2686	rBV	72114	91865	1.77%	0.156%
40	19.389	2686	2689	2696	rVB2	71878	97997	1.89%	0.166%
41	19.472	2696	2703	2708	rBV	198944	397571	7.67%	0.675%
42	19.542	2709	2715	2723	rVV6	104175	325294	6.27%	0.552%
43	19.624	2723	2729	2736	rVV5	106079	245664	4.74%	0.417%
44	19.748	2741	2750	2756	rBV	3505660	5186731	100.00%	8.801%
45	19.836	2761	2765	2770	rVB3	89576	136459	2.63%	0.232%
46	19.930	2777	2781	2785	rVV4	63254	97377	1.88%	0.165%
47	19.989	2785	2791	2799	rVB4	118005	280345	5.41%	0.476%
48	20.071	2799	2805	2807	rBV2	692754	1094871	21.11%	1.858%
49	20.112	2807	2812	2817	rVV	2893857	4433292	85.47%	7.523%
50	20.165	2817	2821	2828	rVB	196988	306878	5.92%	0.521%
51	20.276	2828	2840	2845	rBV	220828	413088	7.96%	0.701%
52	20.341	2845	2851	2857	rVB	119604	225577	4.35%	0.383%
53	20.423	2857	2865	2871	rBV3	235248	580338	11.19%	0.985%
54	20.482	2871	2875	2879	rBV2	55545	92398	1.78%	0.157%
55	20.588	2881	2893	2899	rBV	493401	1032894	19.91%	1.753%
56	20.688	2904	2910	2914	rBV	384646	578116	11.15%	0.981%
57	20.747	2914	2920	2924	rVB2	238875	467068	9.01%	0.793%
58	20.893	2940	2945	2949	rVV	163081	268811	5.18%	0.456%
59	20.940	2949	2953	2963	rVB	178100	325969	6.28%	0.553%
60	21.058	2964	2973	2981	rVB	40621	136678	2.64%	0.232%
61	21.205	2993	2998	3001	rVV6	58192	102011	1.97%	0.173%
62	21.334	3015	3020	3024	rBV5	71001	133484	2.57%	0.227%
63	21.387	3024	3029	3036	rVB	195437	351786	6.78%	0.597%
64	21.581	3053	3062	3066	rVV3	221379	519819	10.02%	0.882%
65	21.628	3066	3070	3075	rVV	258191	466840	9.00%	0.792%
66	21.687	3075	3080	3085	rVV2	256976	542239	10.45%	0.920%
67	21.739	3085	3089	3102	rVB2	180263	414097	7.98%	0.703%
68	21.880	3103	3113	3121	rBV	74674	252795	4.87%	0.429%
69	22.016	3124	3136	3144	rBV3	1461735	3843752	74.11%	6.522%
70	22.086	3144	3148	3160	rVB	1152144	2238850	43.16%	3.799%
71	22.251	3170	3176	3183	rBV2	196276	375494	7.24%	0.637%

LSC Area Percent Report

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Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

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

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Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	22.321	3185	3188	3194	rBV5	41886	86712	1.67%	0.147%
73	22.474	3208	3214	3222	rBV2	153474	361825	6.98%	0.614%
74	22.533	3222	3224	3237	rVB9	50768	137635	2.65%	0.234%
75	22.732	3253	3258	3263	rBV3	48174	90676	1.75%	0.154%
76	22.821	3263	3273	3279	rBV2	195873	475283	9.16%	0.806%
77	22.897	3281	3286	3294	rVB3	113206	269911	5.20%	0.458%
78	22.991	3297	3302	3307	rBV3	54664	105082	2.03%	0.178%
79	23.050	3307	3312	3318	rVB3	60874	122927	2.37%	0.209%
80	23.120	3318	3324	3328	rBV3	90875	194839	3.76%	0.331%
81	23.167	3329	3332	3342	rVV5	101710	226438	4.37%	0.384%
82	23.267	3342	3349	3361	rVB5	87011	260066	5.01%	0.441%
83	23.573	3394	3401	3408	rBV5	41078	125485	2.42%	0.213%
84	23.825	3440	3444	3453	rVB7	39915	99746	1.92%	0.169%
85	24.013	3469	3476	3491	rVB5	63913	211156	4.07%	0.358%
86	24.430	3536	3547	3555	rBV2	737064	2851291	54.97%	4.838%
87	24.701	3585	3593	3602	rVB	140150	371797	7.17%	0.631%
88	24.924	3624	3631	3645	rBV7	56741	233641	4.50%	0.396%
89	25.218	3670	3681	3691	rBV	418985	1239702	23.90%	2.104%
90	25.382	3699	3709	3721	rVB	671383	2043963	39.41%	3.468%
91	25.541	3721	3736	3744	rBV	279942	961219	18.53%	1.631%
92	25.629	3745	3751	3766	rVB3	180799	635104	12.24%	1.078%
93	26.710	3926	3935	3944	rVB7	57601	207930	4.01%	0.353%
94	27.051	3986	3993	4005	rVB5	40966	128104	2.47%	0.217%
95	29.066	4318	4336	4339	rBV3	43563	199454	3.85%	0.338%
96	29.571	4407	4422	4446	rVB3	276759	1515481	29.22%	2.572%
97	30.077	4498	4508	4524	rVB3	54433	237538	4.58%	0.403%
98	30.247	4528	4537	4554	rVB4	49713	231291	4.46%	0.392%
99	30.835	4620	4637	4654	rBV3	167002	983477	18.96%	1.669%
100	31.505	4741	4751	4755	rBV4	42218	138122	2.66%	0.234%

Sum of corrected areas: 58932553

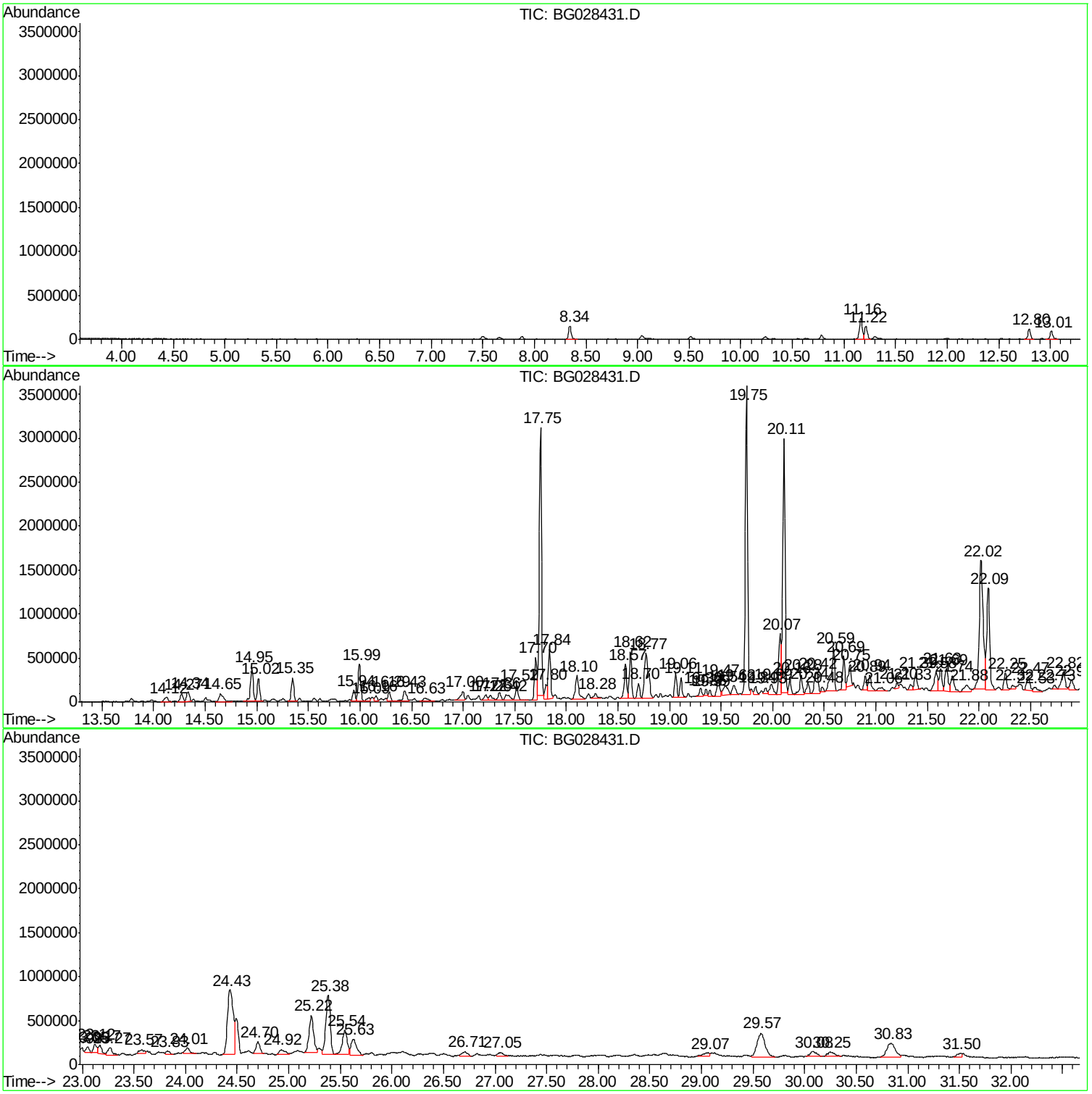
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028431.D
Acq On : 22 Aug 2017 23:57
Operator : SJ/JU
Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028431.D
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

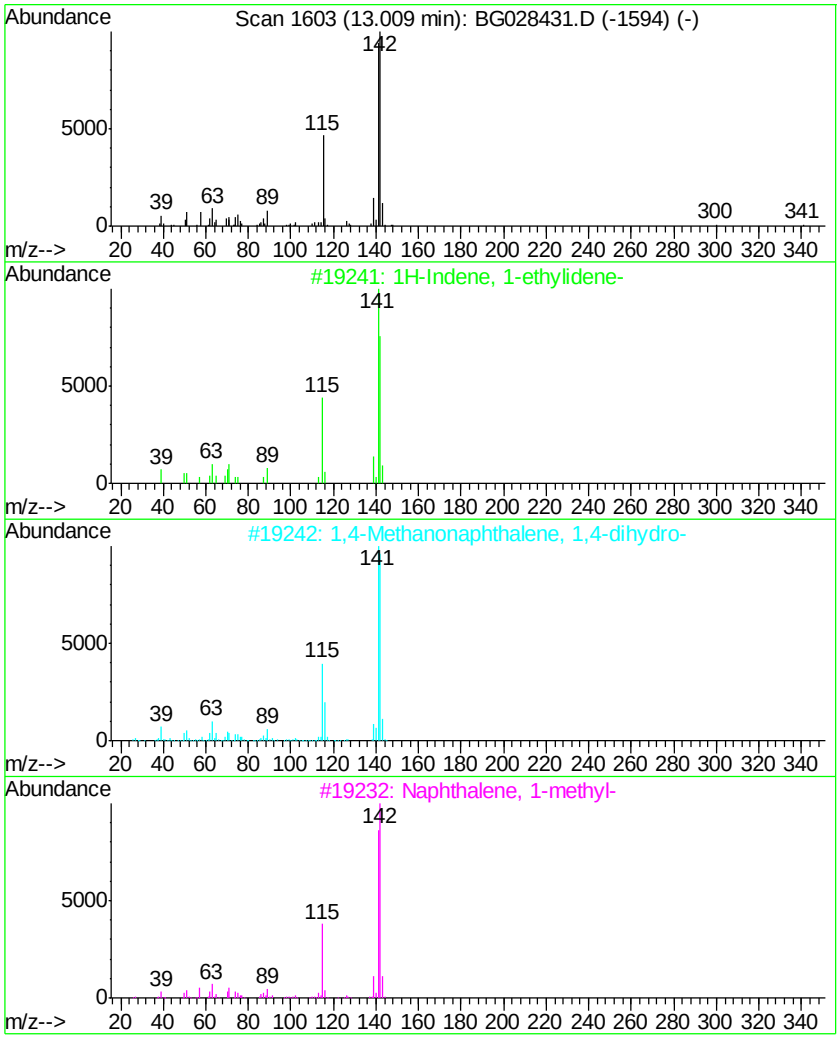
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

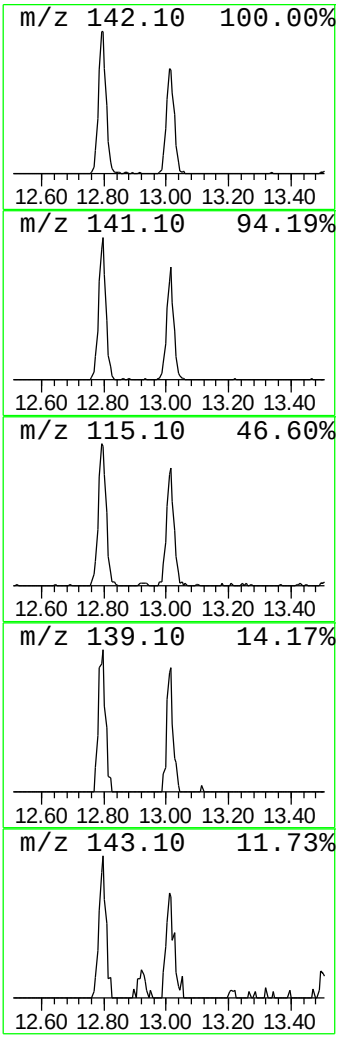
****

Peak Number 1 1H-Indene, 1-ethylidene- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	7.19 ng/ul	157480	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
2	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
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Acq On : 22 Aug 2017 23:57
Operator : SJ/JU
Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

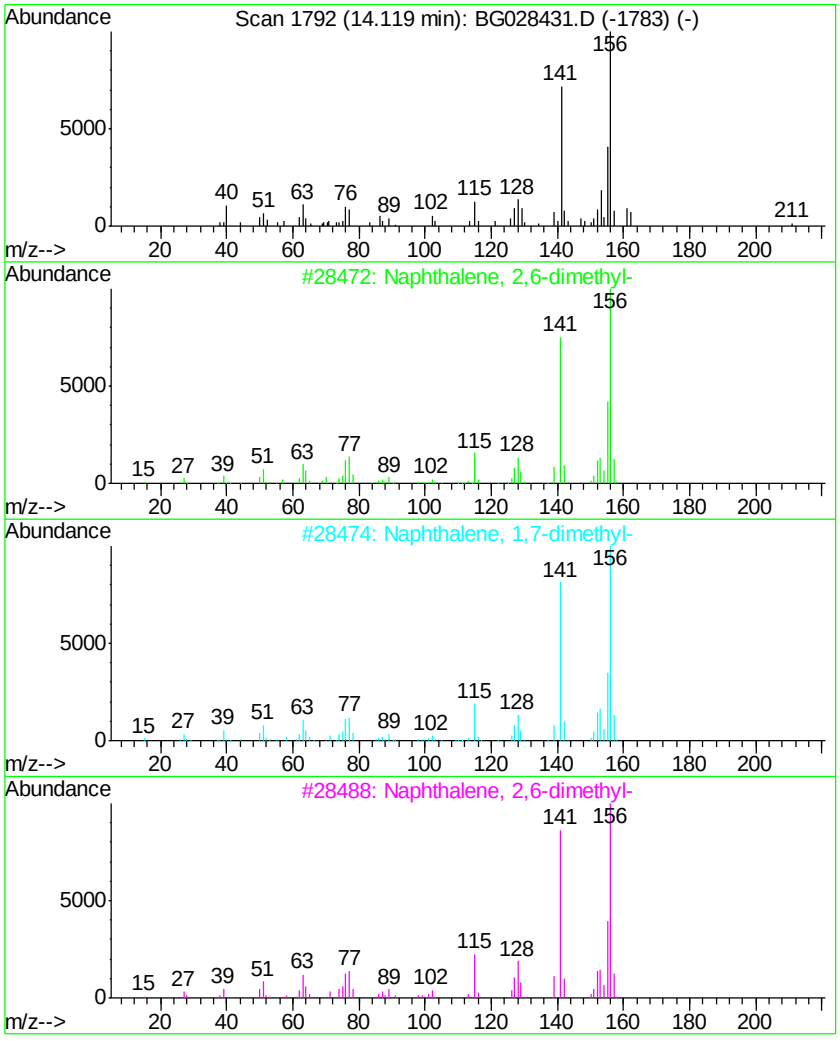
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

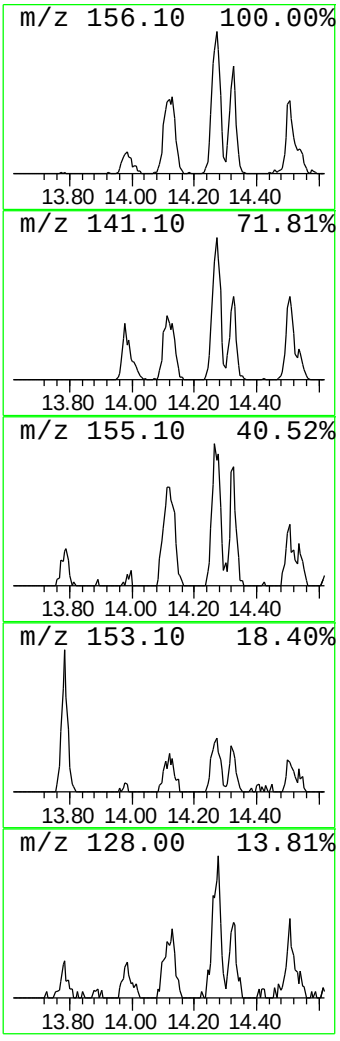
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	3.37 ng/ul	122207	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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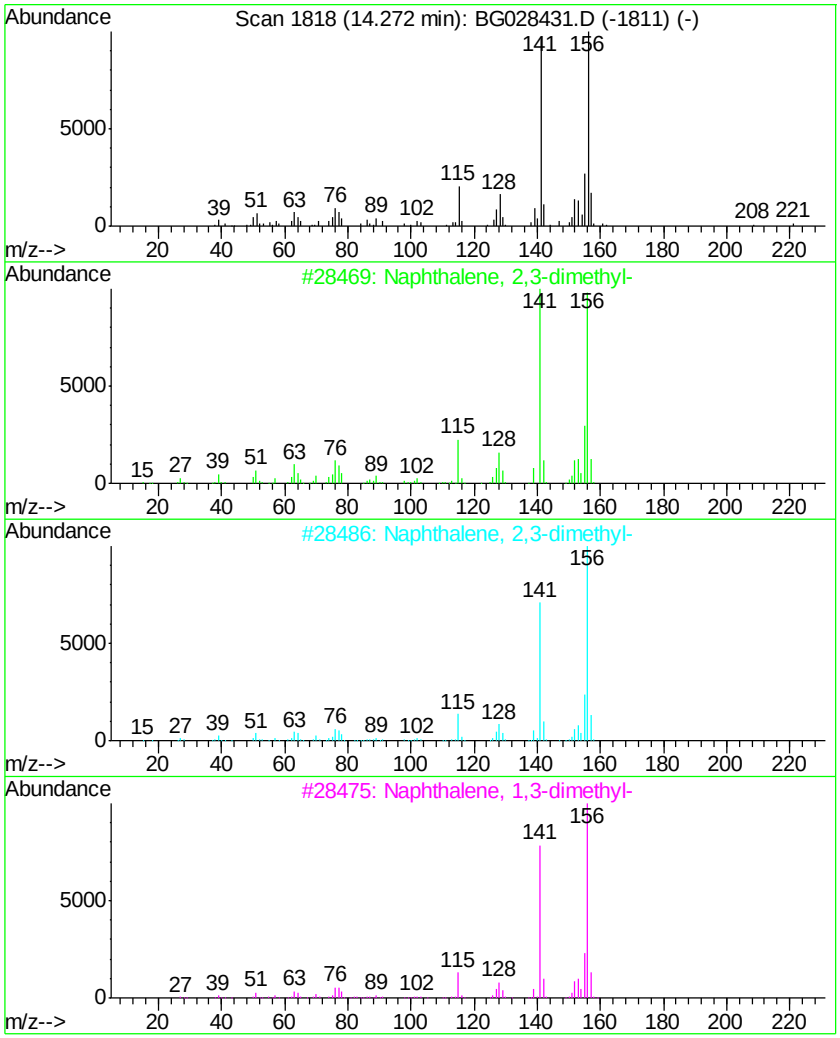
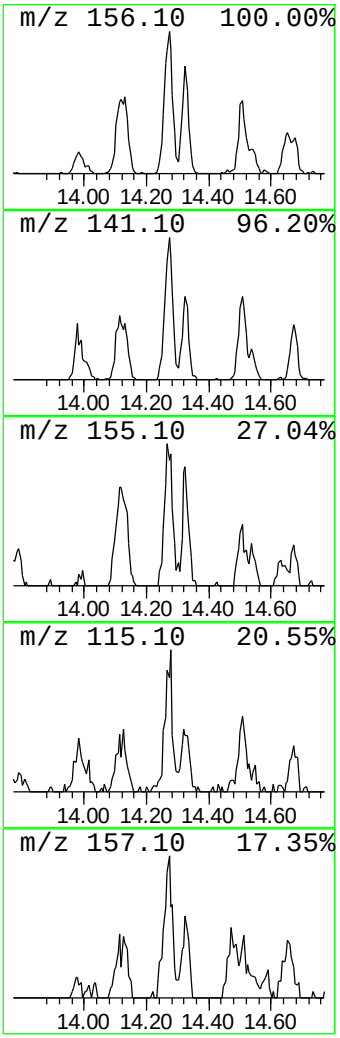
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	4.55 ng/ul	165066	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





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Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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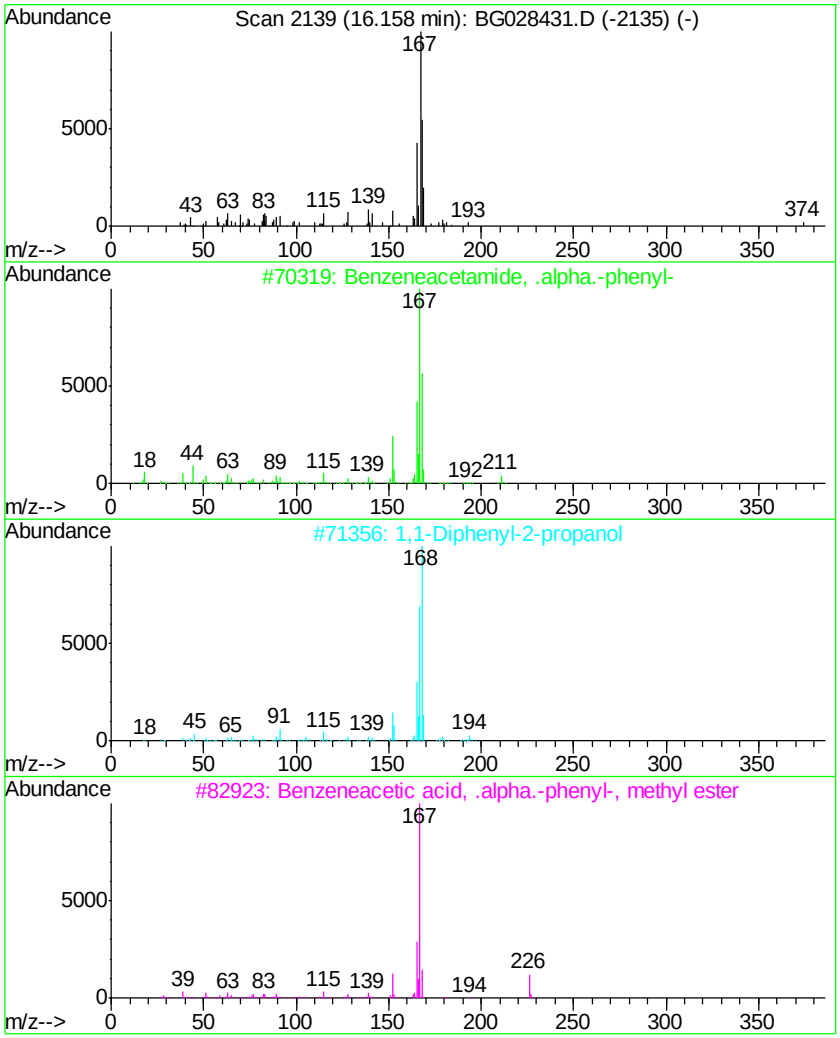
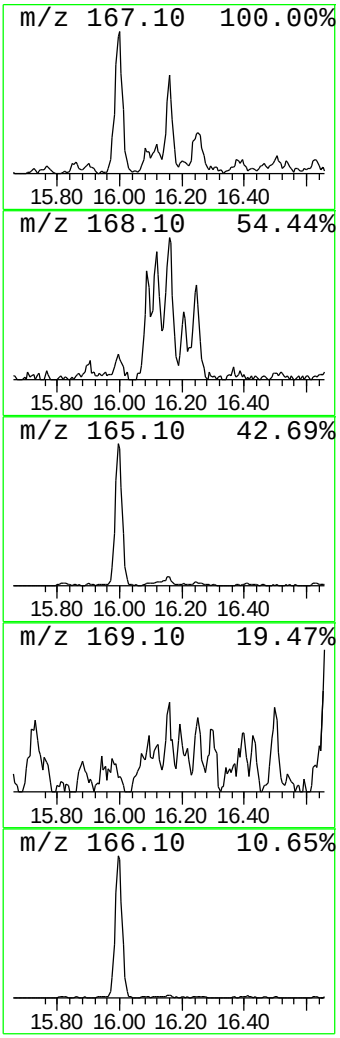
Peak Number 4 Benzeneacetamide, .alpha.-p... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	2.95 ng/ul	107276	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetamide, .alpha.-phenyl-	211	C14H13NO	004695-13-0	64
2	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	53
3	Benzeneacetic acid, .alpha.-phen...	226	C15H14O2	003469-00-9	53
4	4-Propyl-1,1'-diphenyl	196	C15H16	010289-45-9	53
5	Benzene, 1,1'-[(methylthio)methy...	214	C14H14S	015733-08-1	42





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Data File : BG028431.D
Acq On : 22 Aug 2017 23:57
Operator : SJ/JU
Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

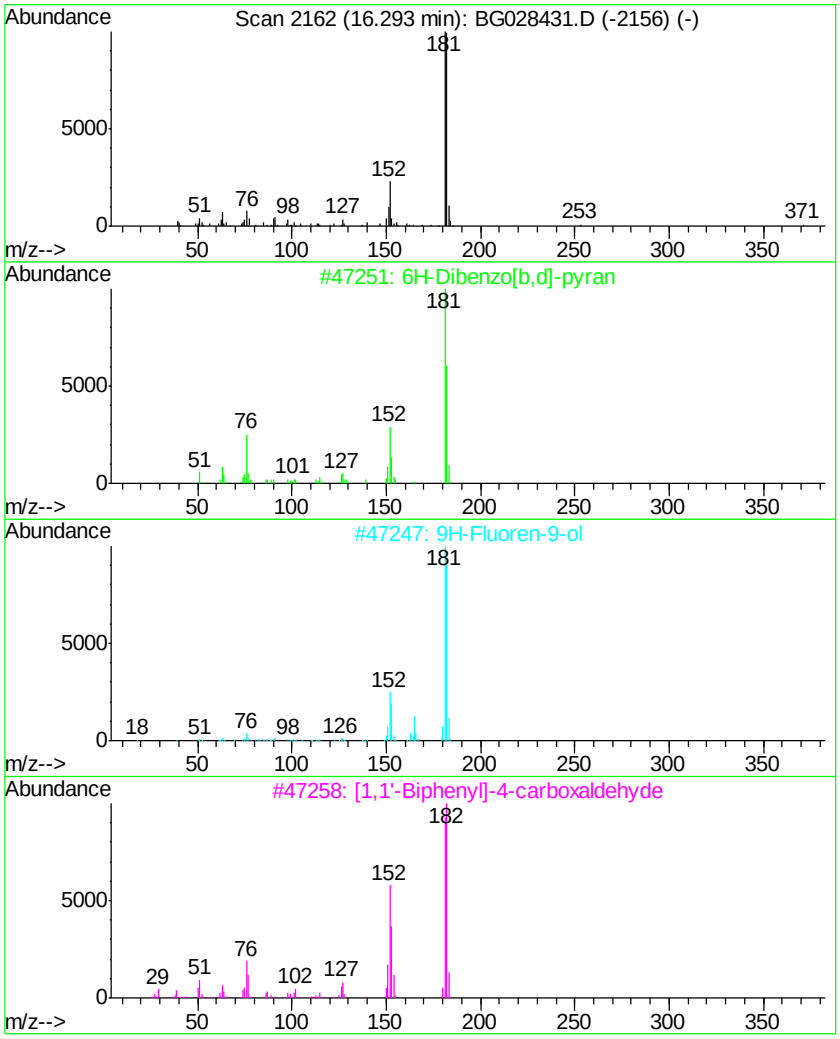
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

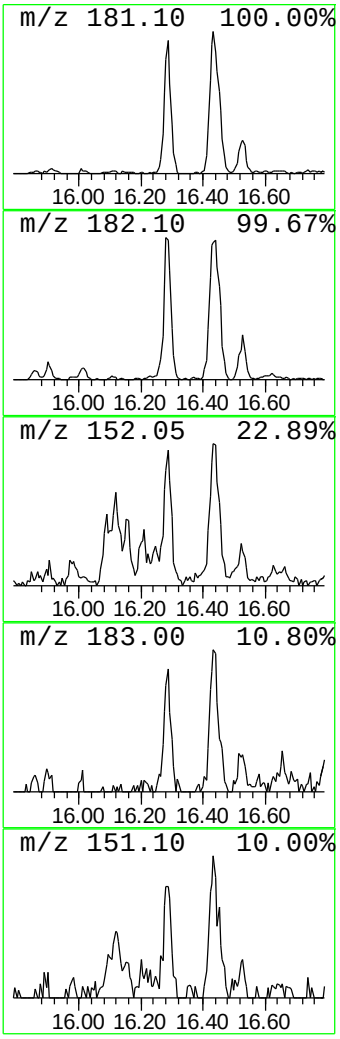
****

Peak Number 5 6H-Dibenzo[b,d]-pyran Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	5.18 ng/ul	187952	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78





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Acq On : 22 Aug 2017 23:57
Operator : SJ/JU
Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

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Quant Title : SVOA CALIBRATION

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

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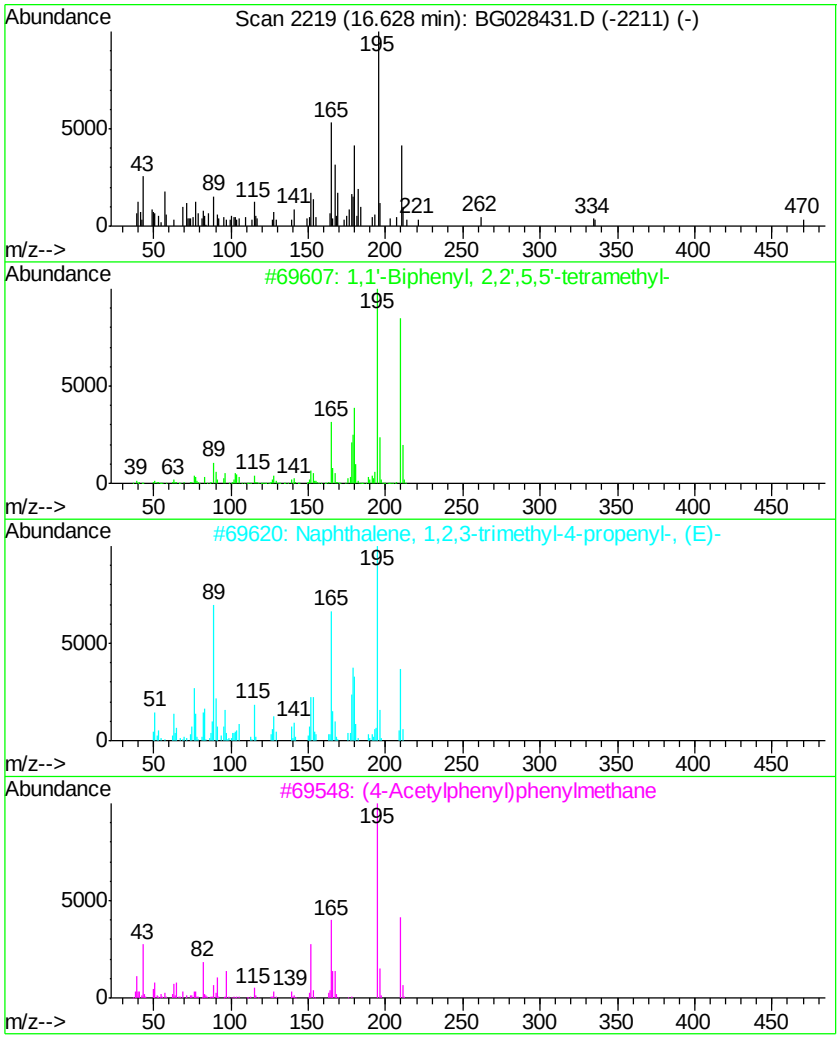
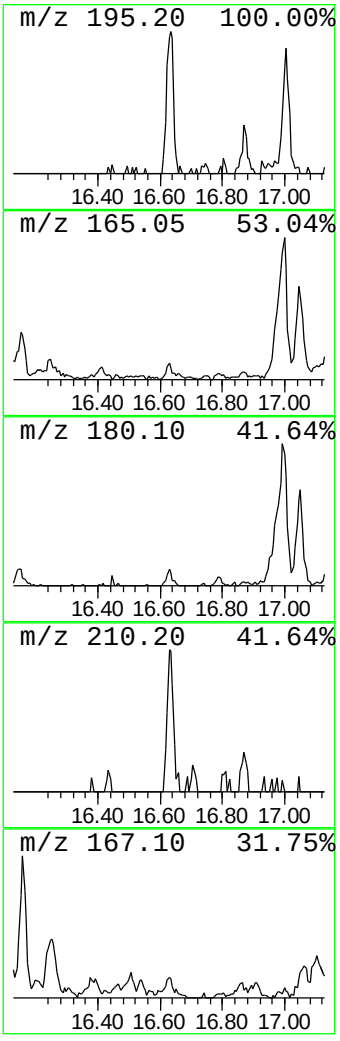
Peak Number 7 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	3.20 ng/ul	131559	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrame...	210	C16H18	003075-84-1	64
2	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	62
3	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	49
4	Carbazole, 2,7-dimethyl-	195	C14H13N	018992-65-9	47
5	2-(p-Tolylmethyl)-p-xylene	210	C16H18	000721-45-9	46





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Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

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Quant Title : SVOA CALIBRATION

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

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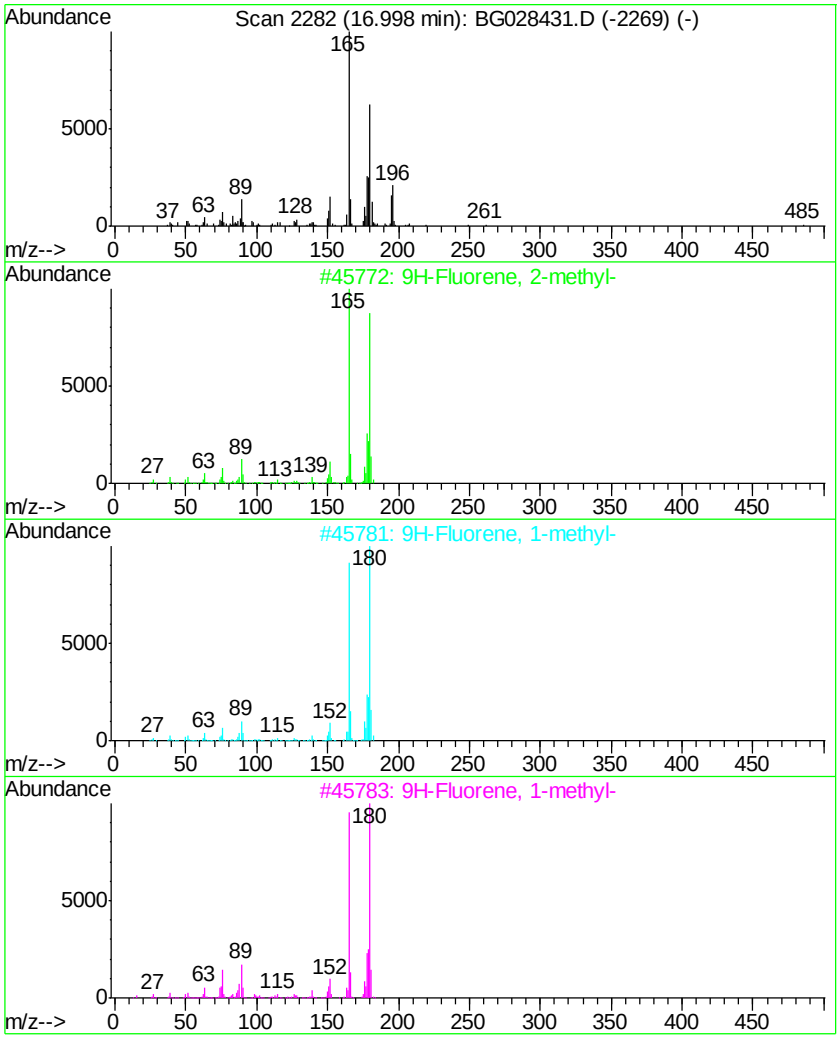
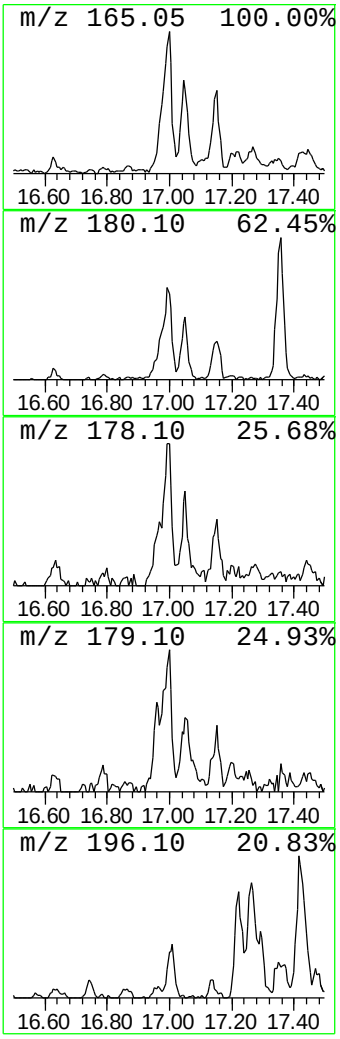
Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	6.10 ng/ul	251009	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	92
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86





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ClientSampleId : B0AB5

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Quant Title : SVOA CALIBRATION

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

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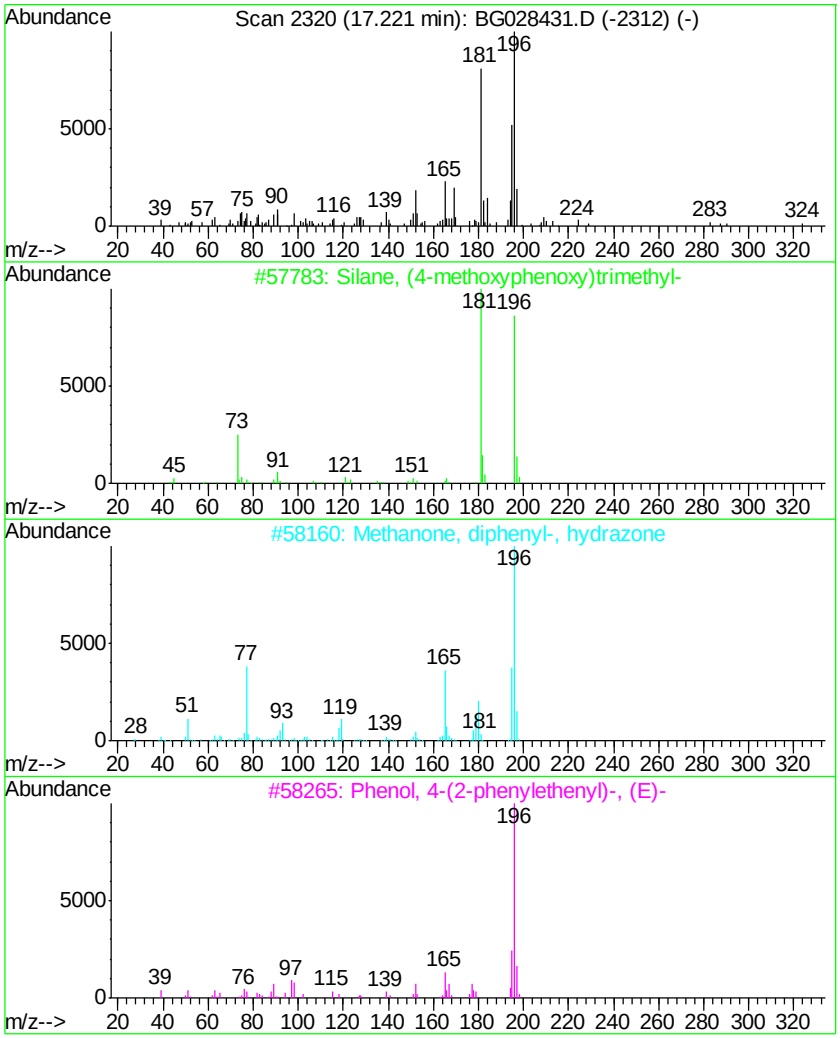
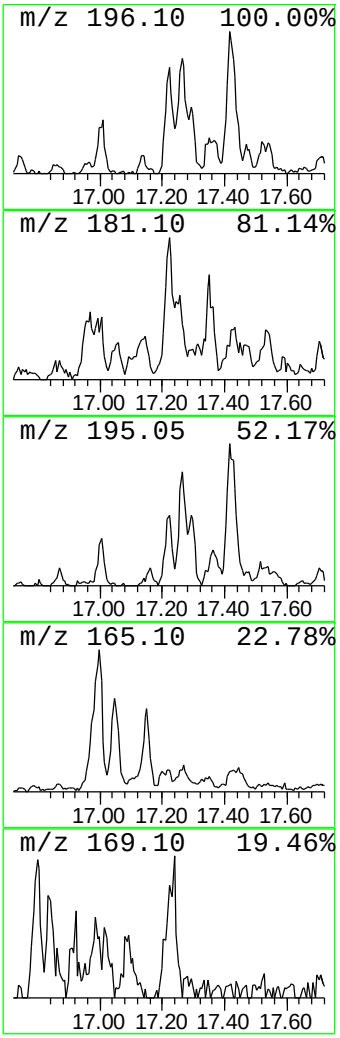
Peak Number 9 unknown-01 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	3.10 ng/ul	127266	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, (4-methoxyphenoxy)trimet...	196	C10H16O2Si	006689-38-9	49
2	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	38
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	38
4	p-Toluenesulfonamide, N-(xanthen...	351	C20H17NO3S	006326-06-3	38
5	8-Methyl-4-azafluorene	181	C13H11N	064292-00-8	35





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Instrument : BNA_G
ClientSampleId : B0AB5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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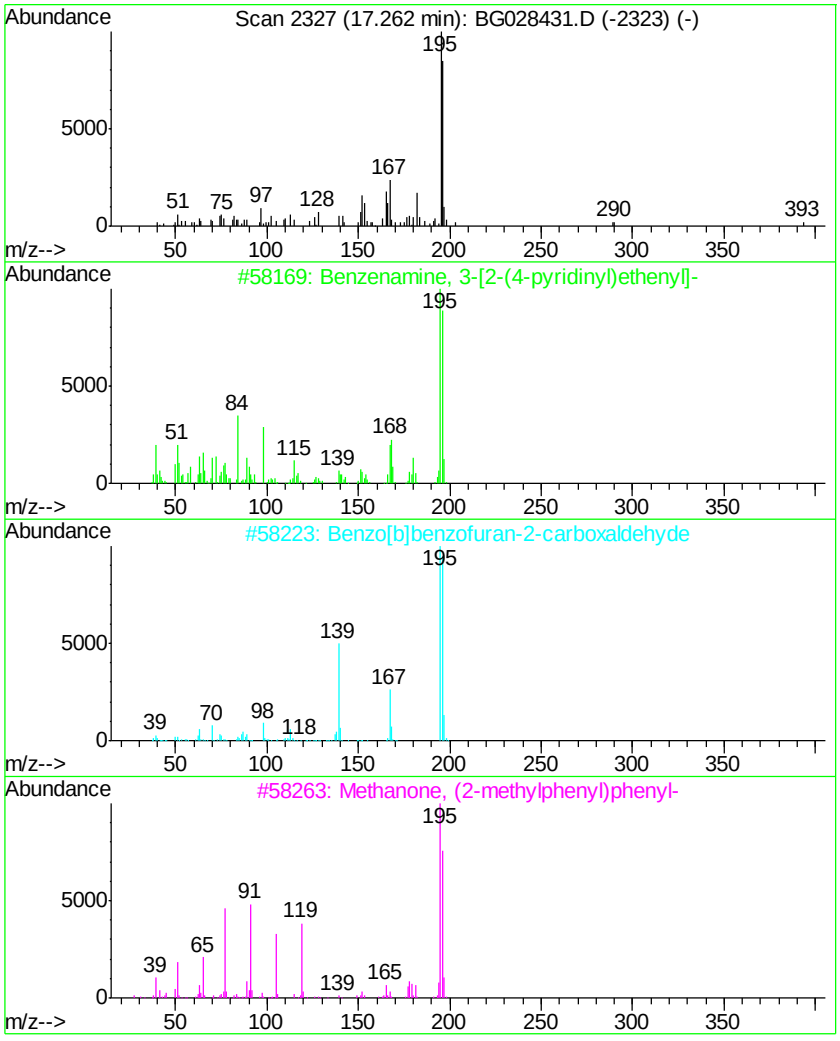
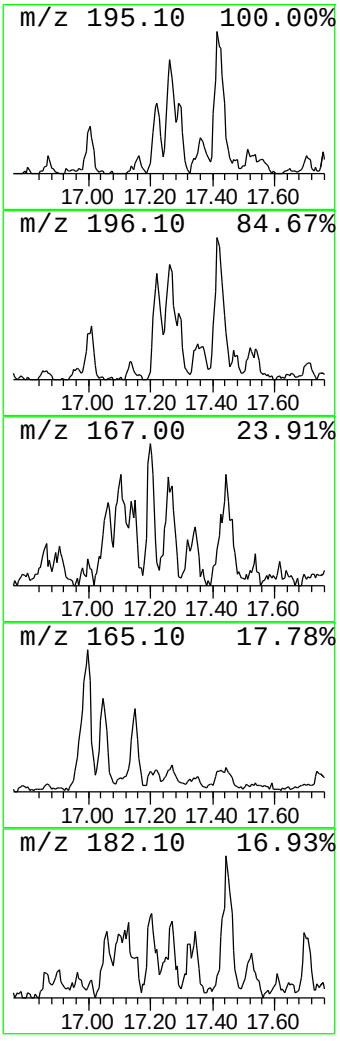
Peak Number 10 Benzenamine, 3-[2-(4-pyridi... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.58 ng/ul	105952	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	53
3	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	53
4	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50
5	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	49





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

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Quant Title : SVOA CALIBRATION

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

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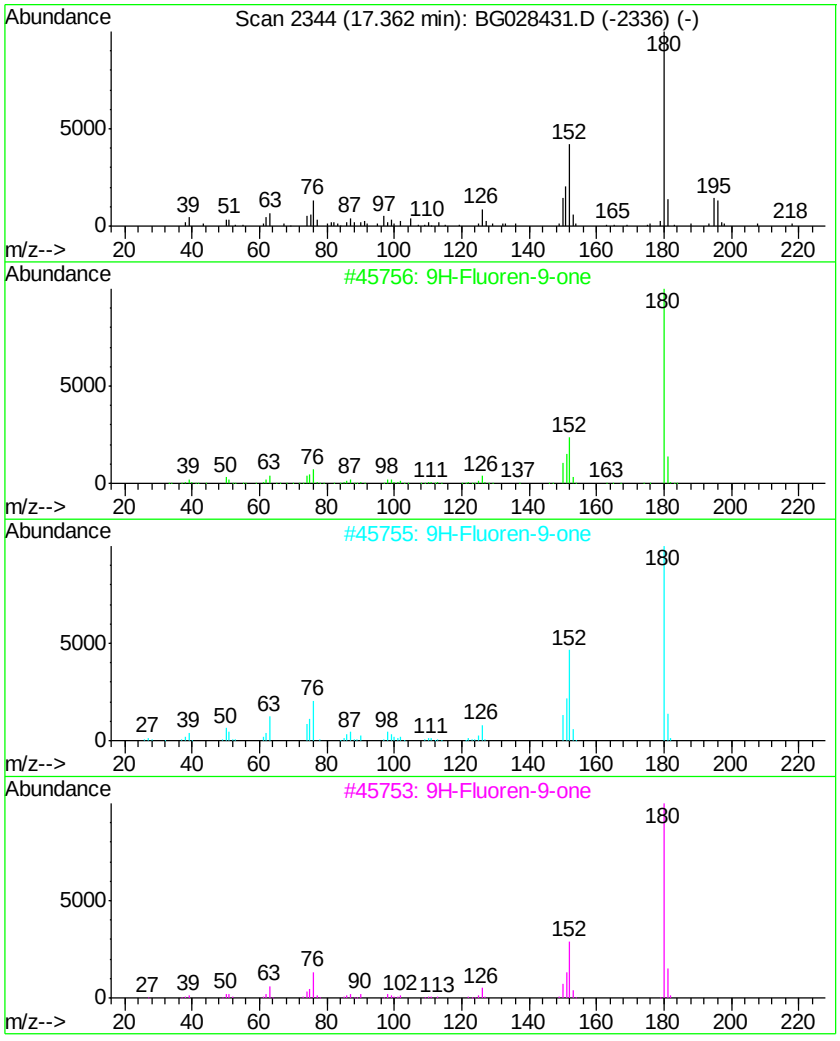
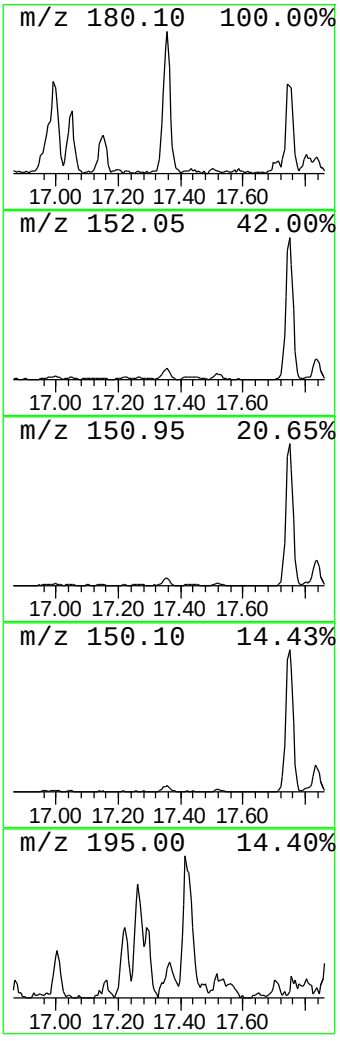
Peak Number 11 9H-Fluoren-9-one Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	3.49 ng/ul	143385	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64





Library Search Compound Report

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Sample : I4827-06 5X
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Quant Title : SVOA CALIBRATION

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

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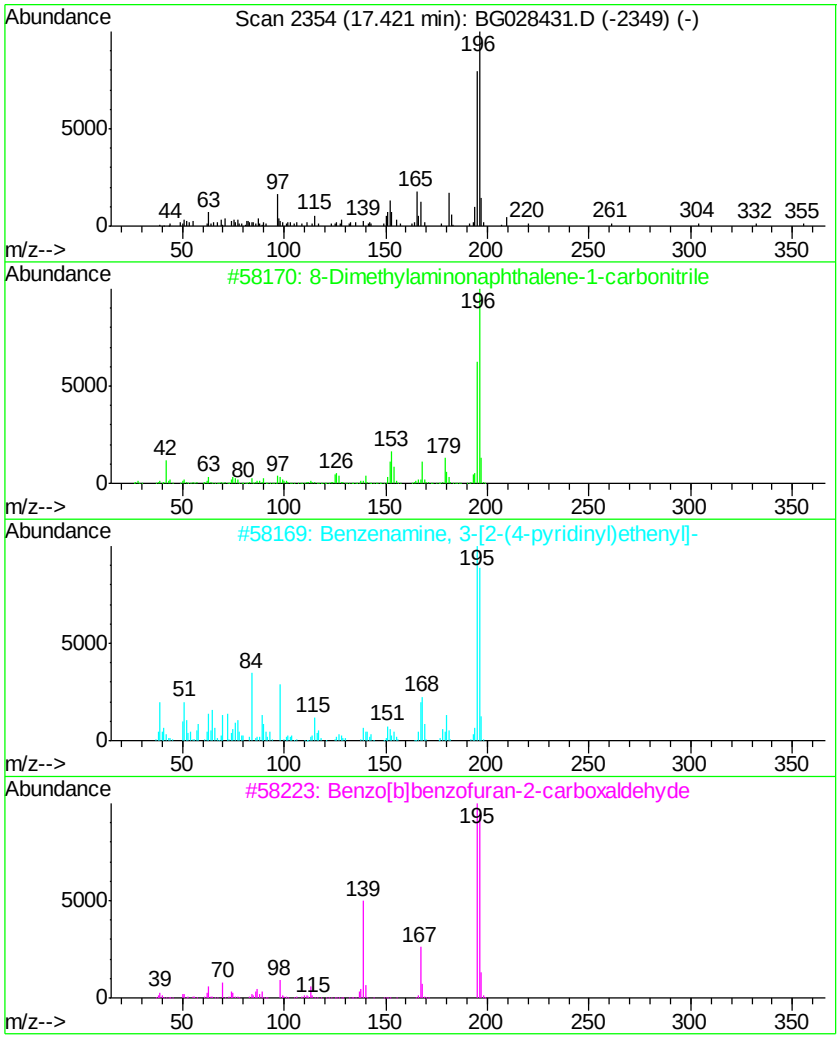
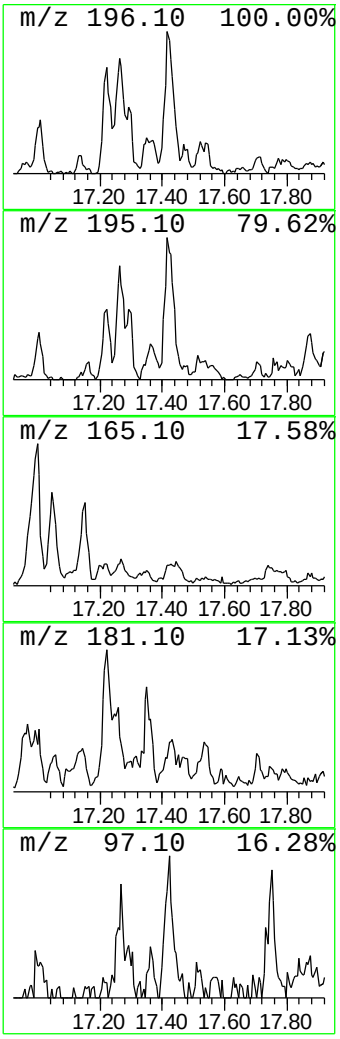
Peak Number 12 8-Dimethylaminonaphthalene-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	4.44 ng/ul	182490	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	64
3	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	64
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId : B0AB5

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Quant Title : SVOA CALIBRATION

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

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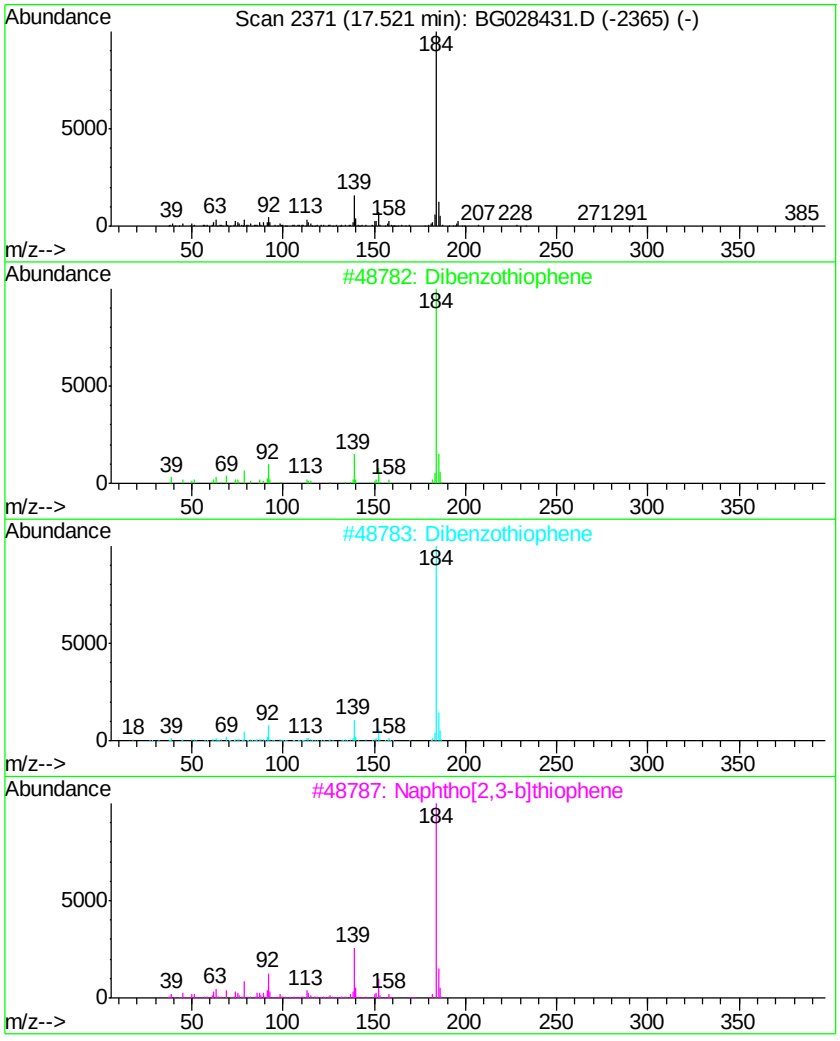
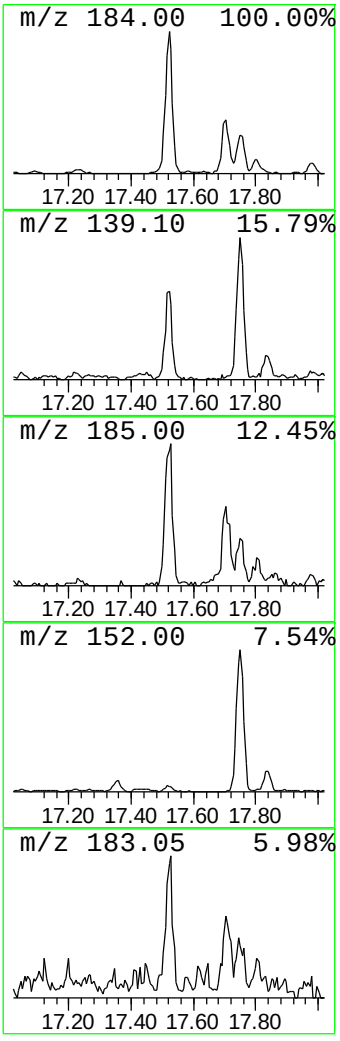
Peak Number 13 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	7.67 ng/ul	315576	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90





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Quant Title : SVOA CALIBRATION

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

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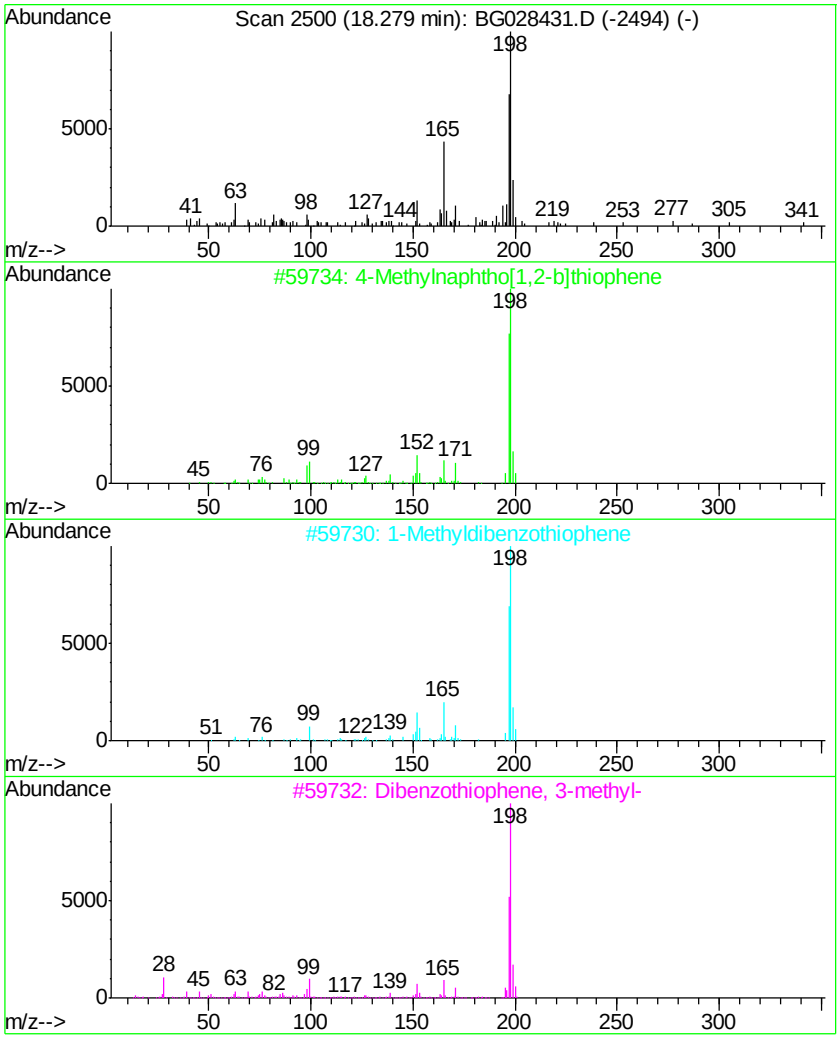
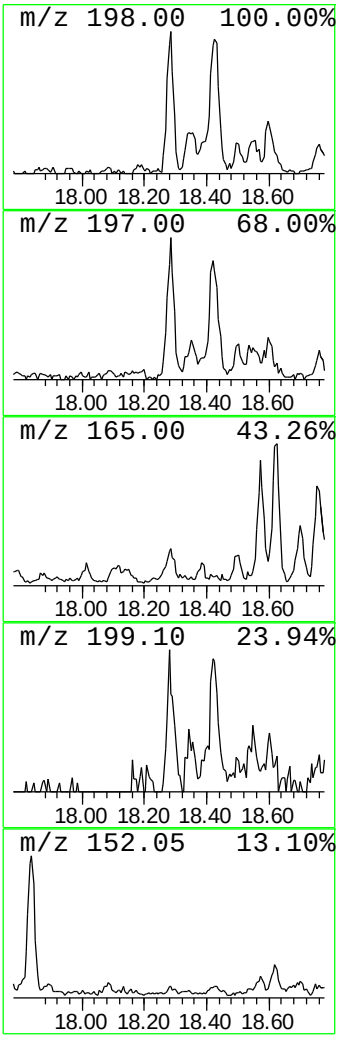
Peak Number 14 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	2.75 ng/ul	113139	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	89
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	76
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	68
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	62
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	62





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Quant Title : SVOA CALIBRATION

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

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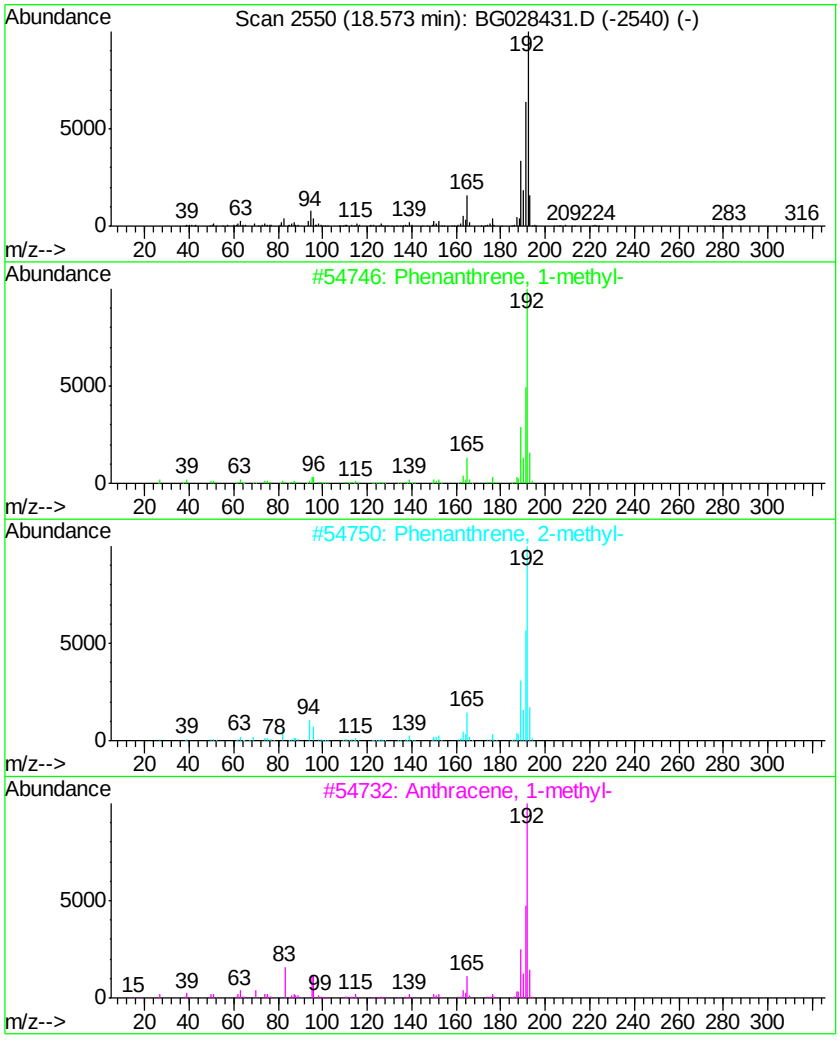
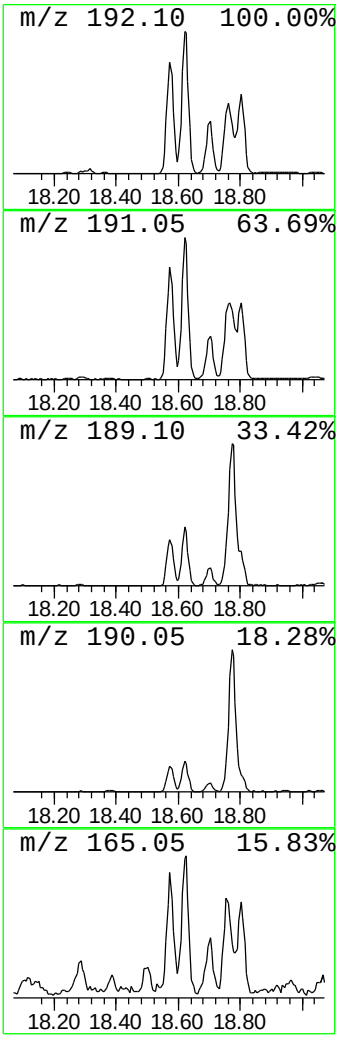
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	16.04 ng/ul	659578	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Quant Title : SVOA CALIBRATION

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

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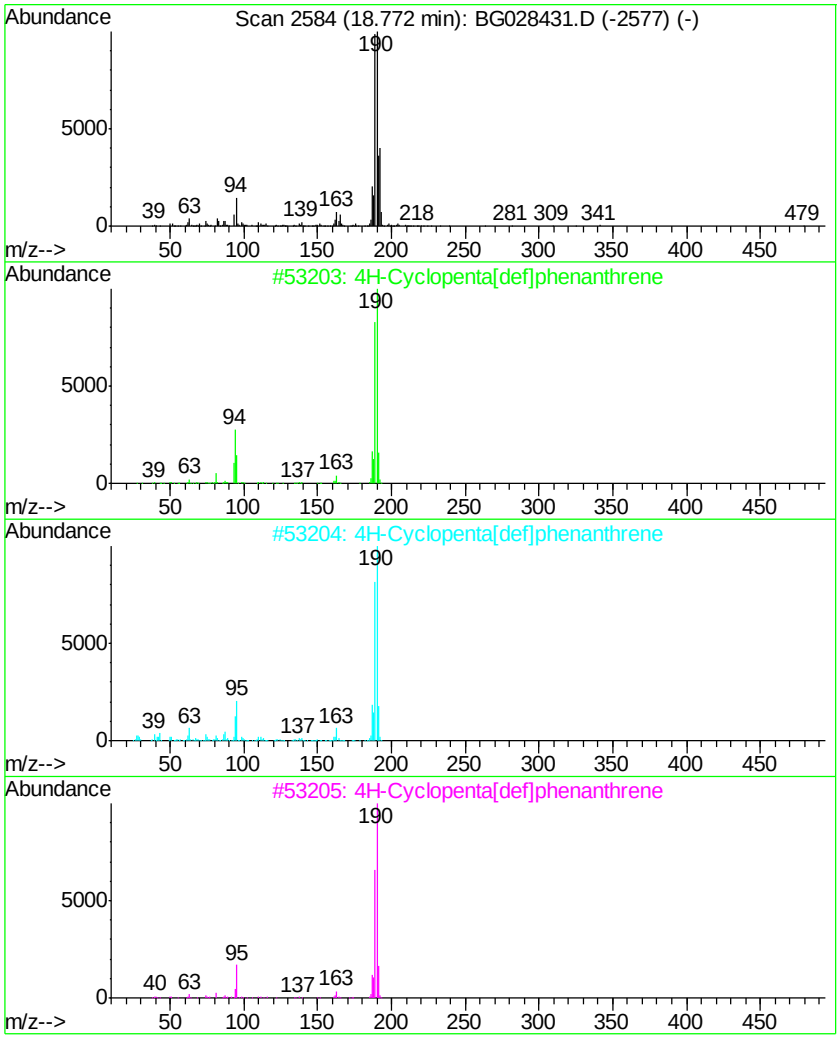
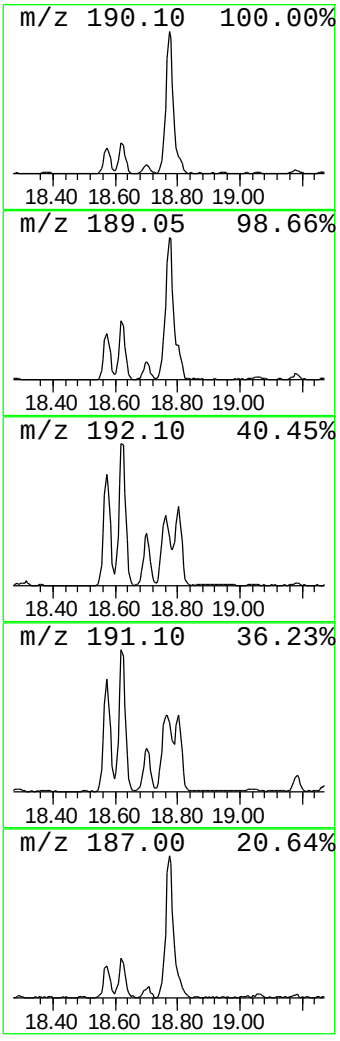
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	34.16 ng/ul	1404420	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	58





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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 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	9.84 ng/ul	404492	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
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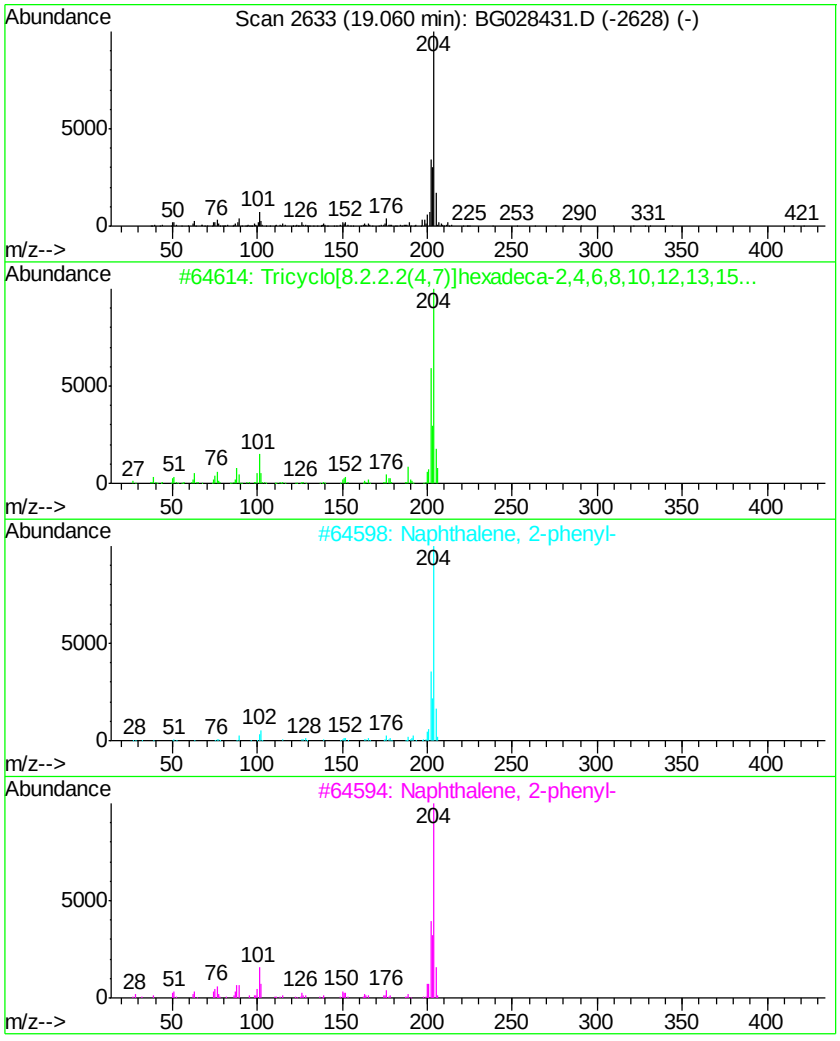
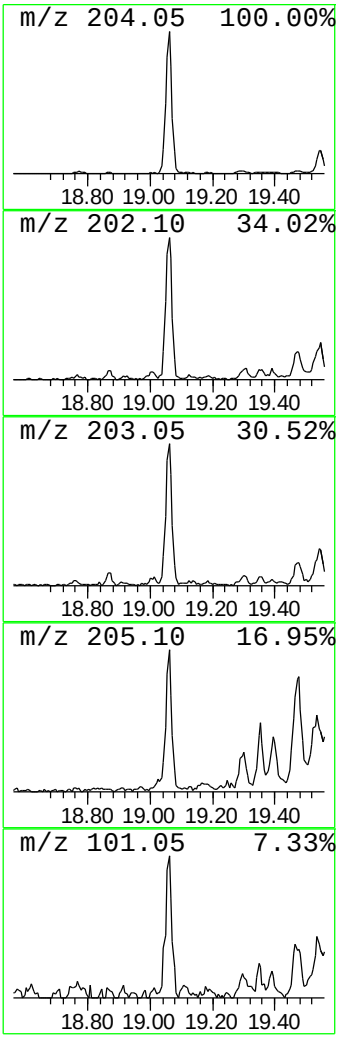
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Quant Title : SVOA CALIBRATION

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

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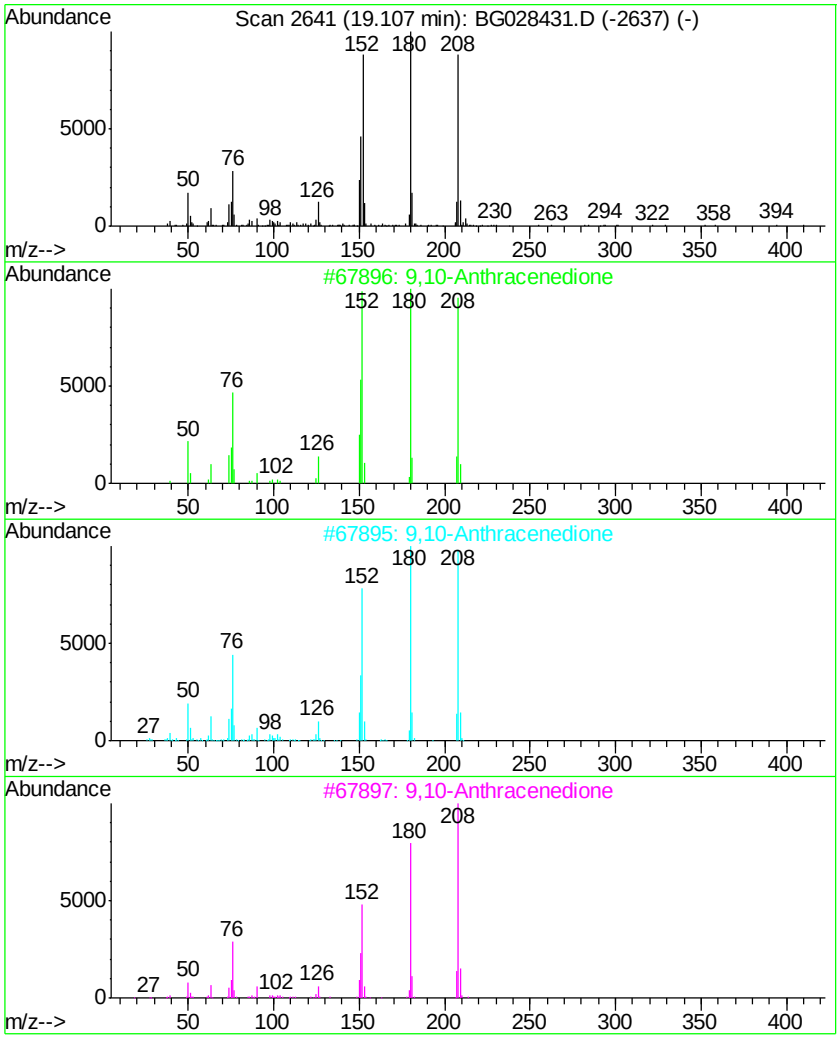
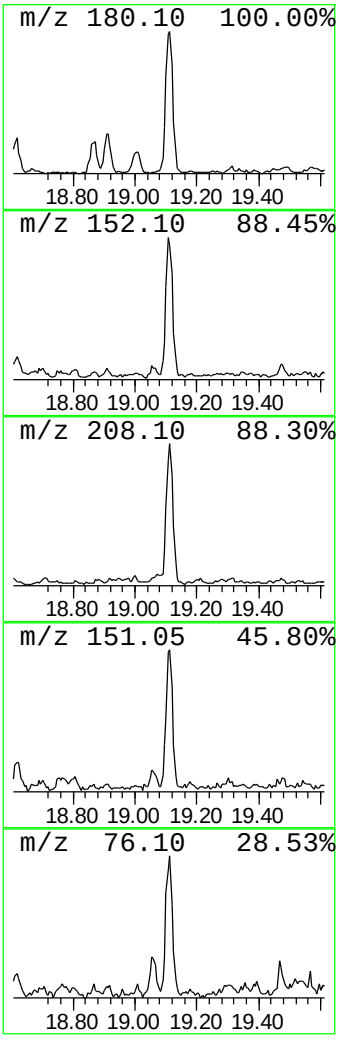
Peak Number 20 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	8.55 ng/ul	351548	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Acq On : 22 Aug 2017 23:57
Operator : SJ/JU
Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

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Quant Title : SVOA CALIBRATION

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

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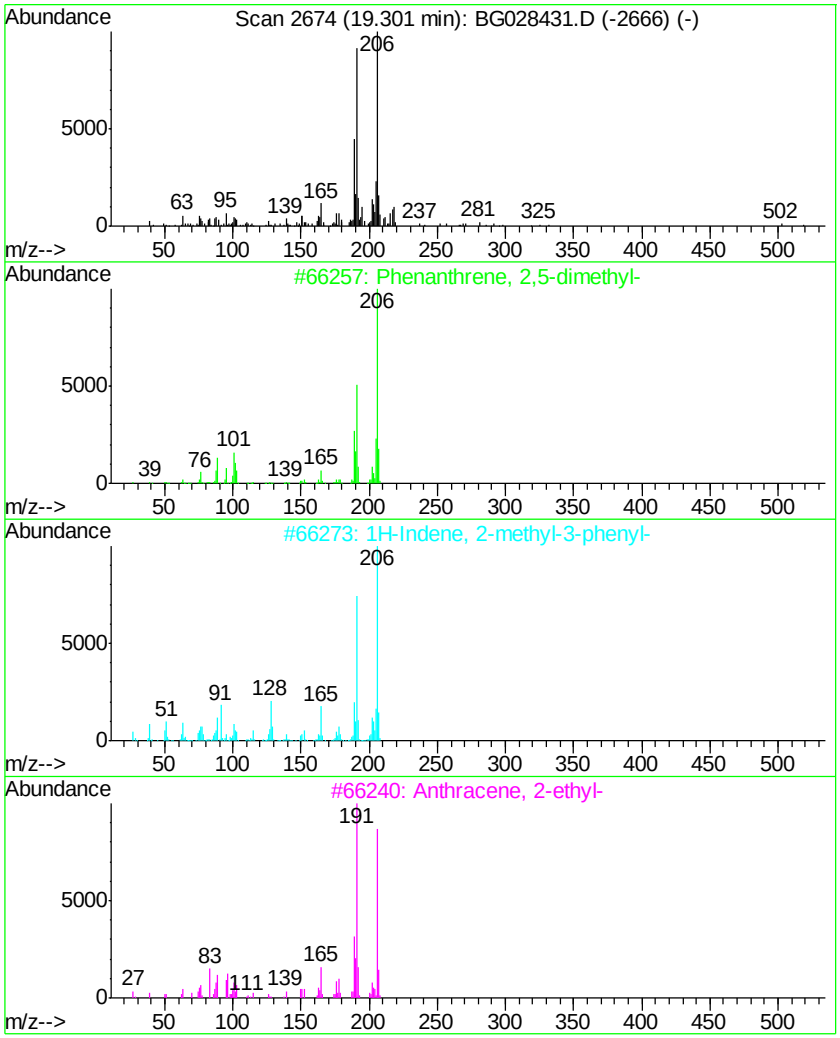
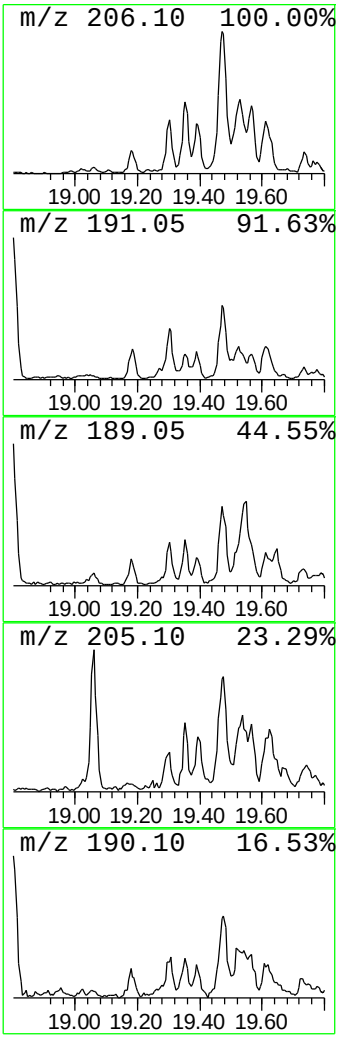
Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	4.62 ng/ul	189835	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

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Quant Title : SVOA CALIBRATION

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

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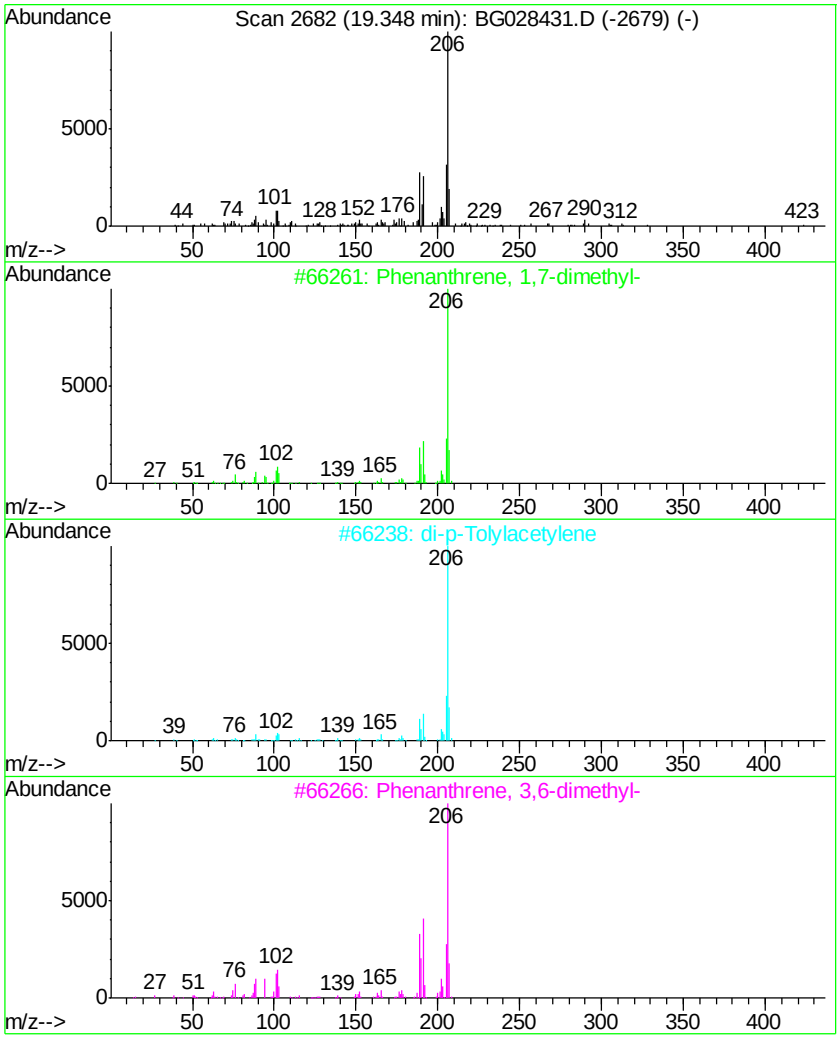
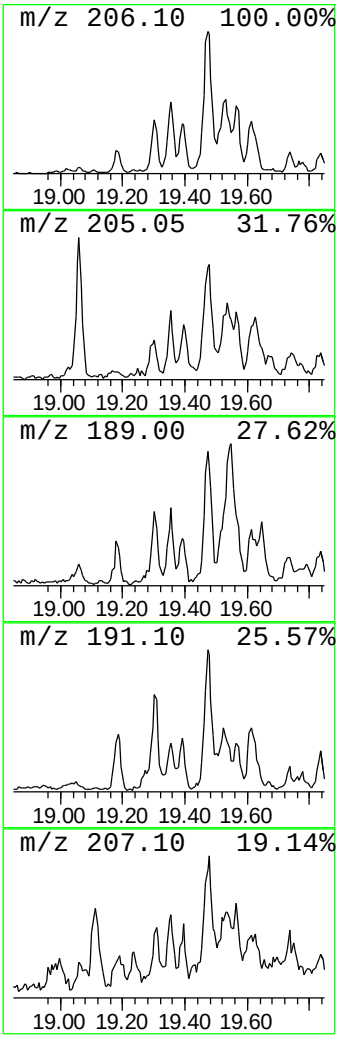
Peak Number 22 Phenanthrene, 1,7-dimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	2.23 ng/ul	91865	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	72





Library Search Compound Report

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ClientSampleId : B0AB5

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Quant Title : SVOA CALIBRATION

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

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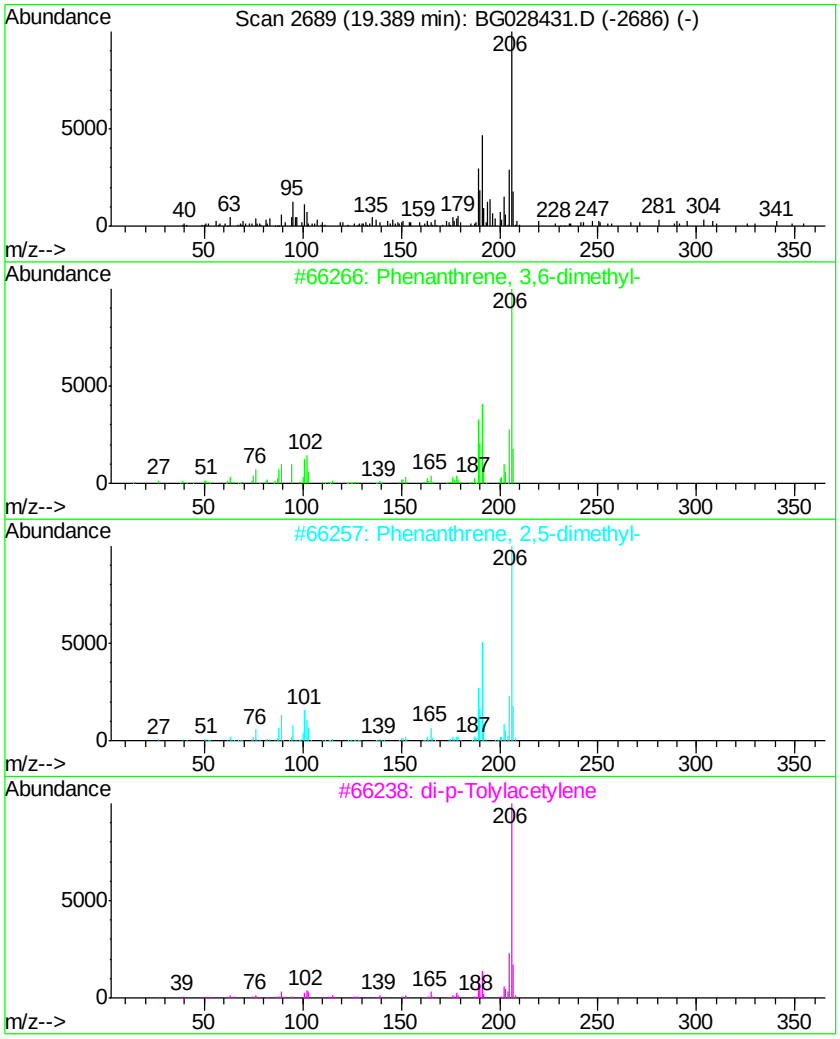
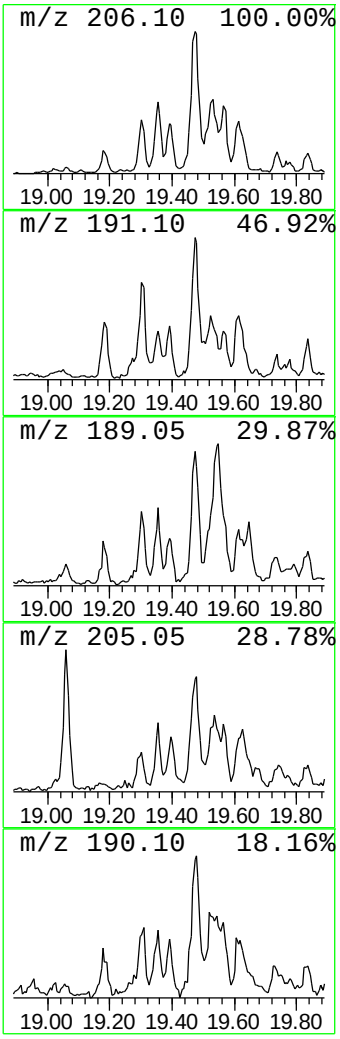
Peak Number 23 Phenanthrene, 3,6-dimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	2.38 ng/ul	97997	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

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Quant Title : SVOA CALIBRATION

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

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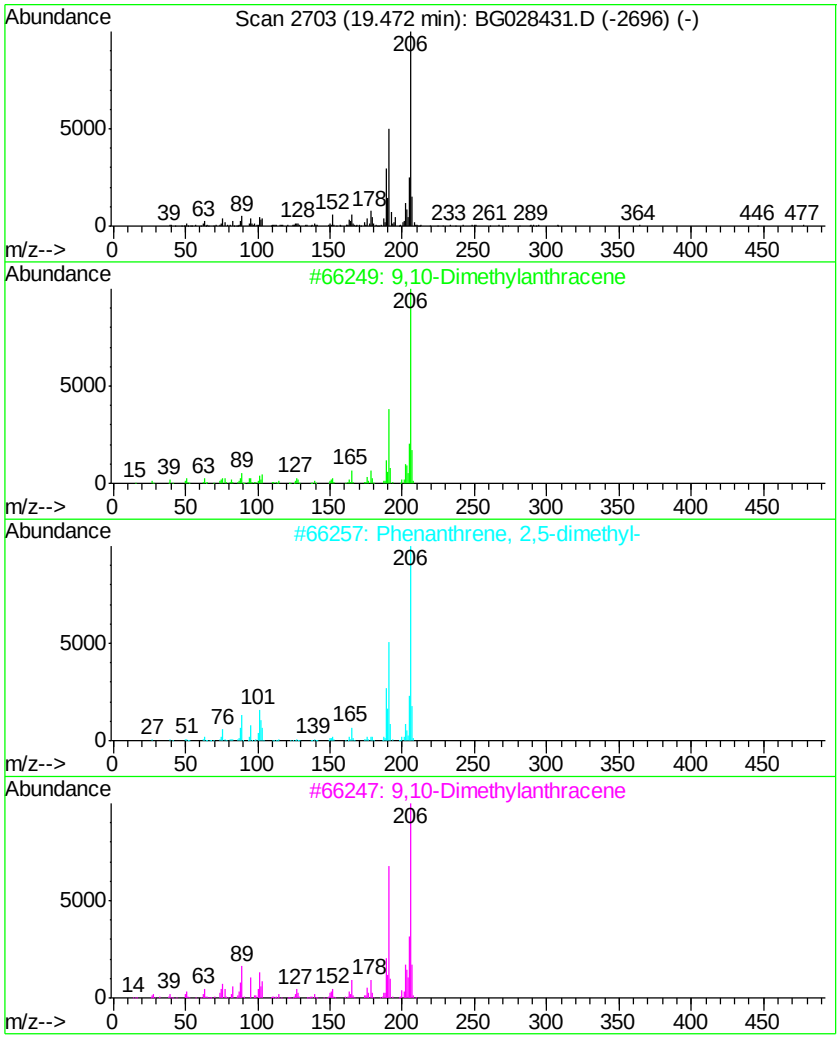
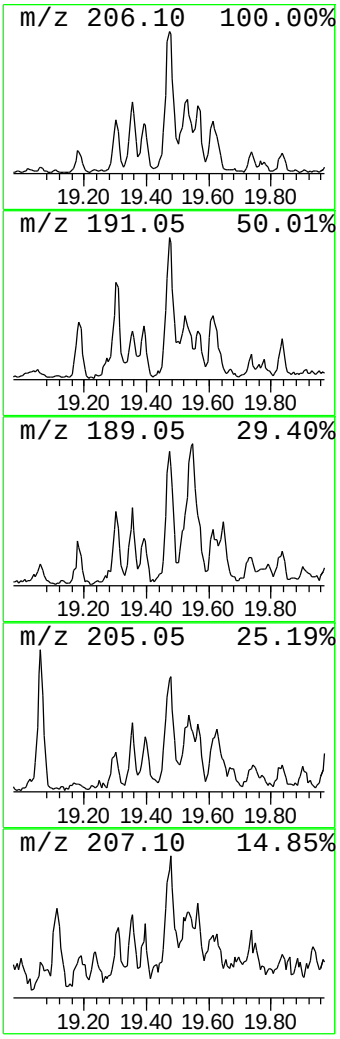
Peak Number 24 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	9.67 ng/ul	397571	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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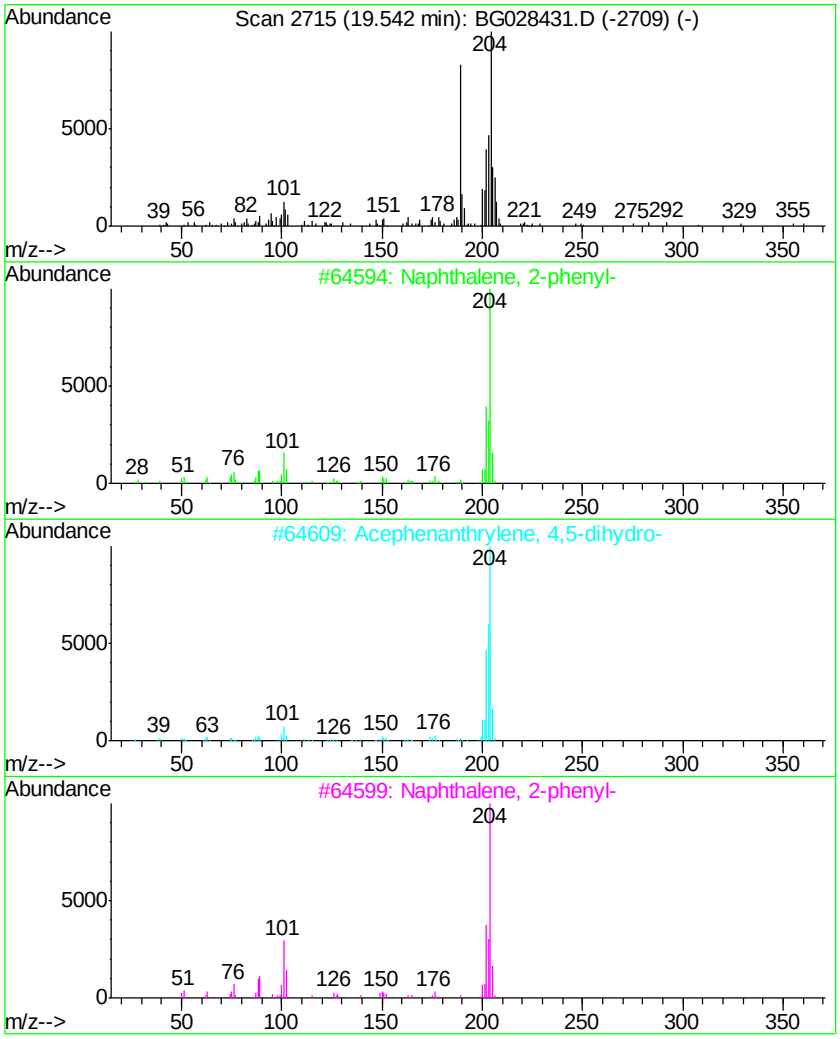
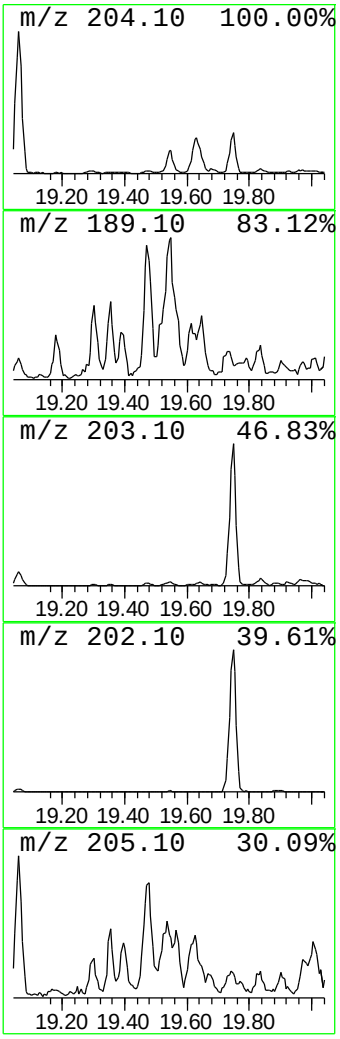
Peak Number 25 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	7.91 ng/ul	325294	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	27
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25
4	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	25
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	22





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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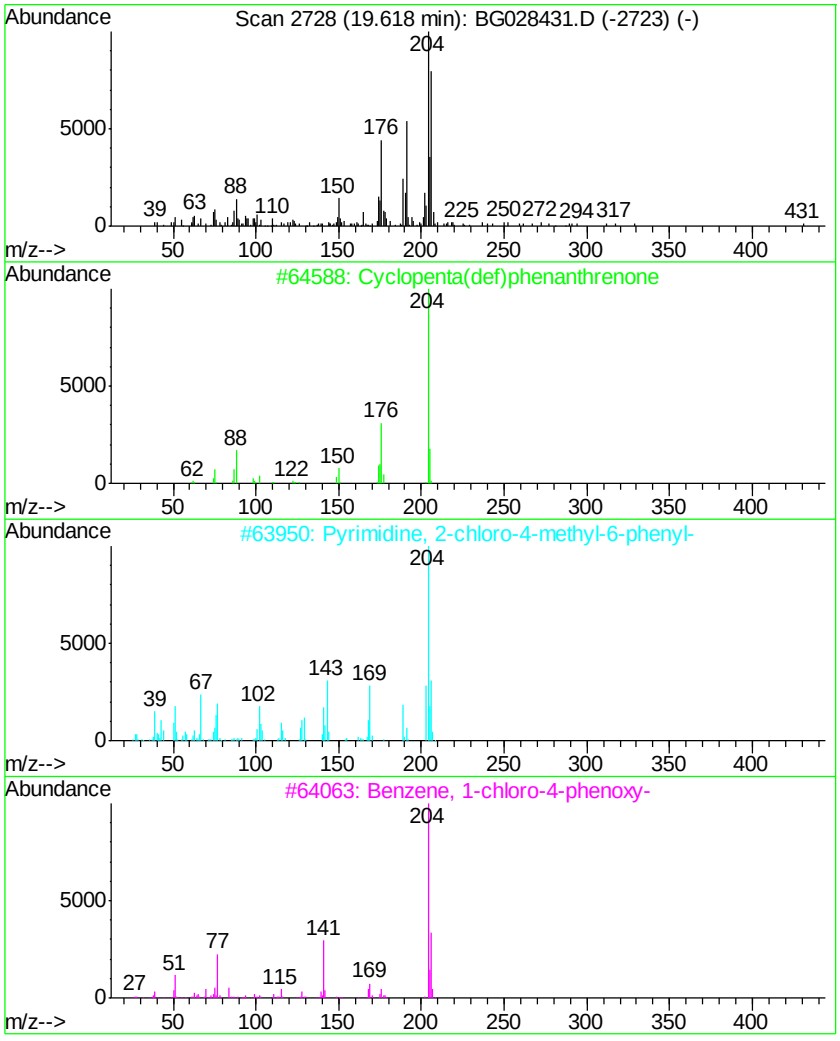
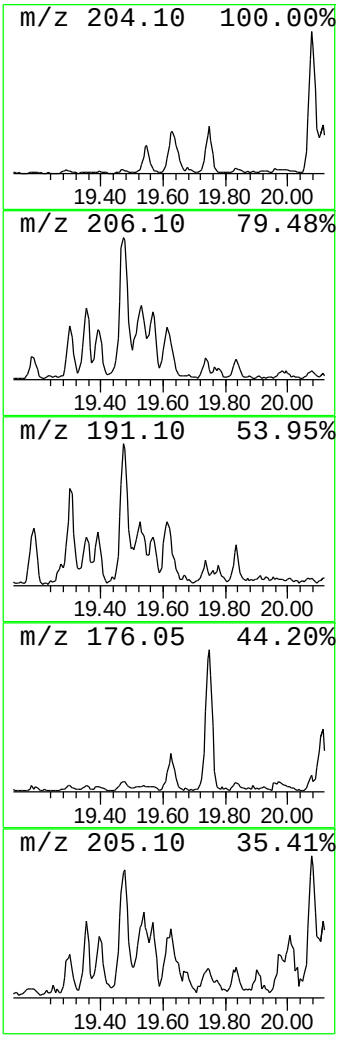
Peak Number 26 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	5.97 ng/ul	245664	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	49
3	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	46
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43





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Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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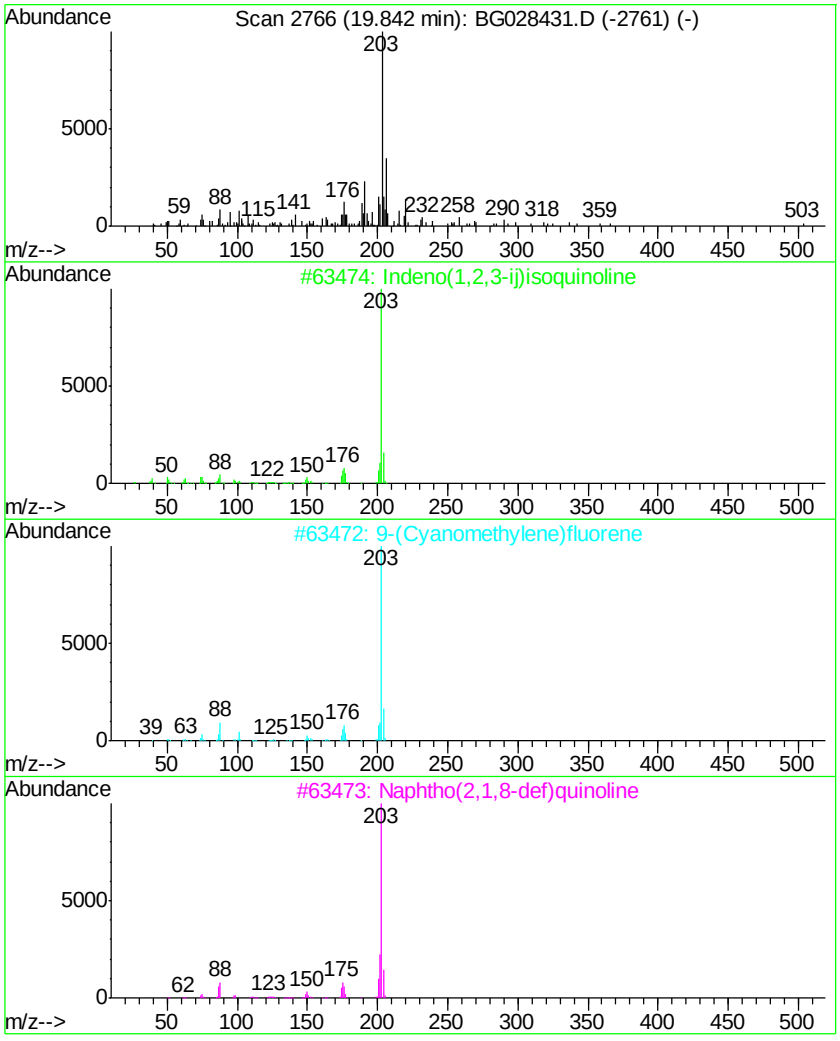
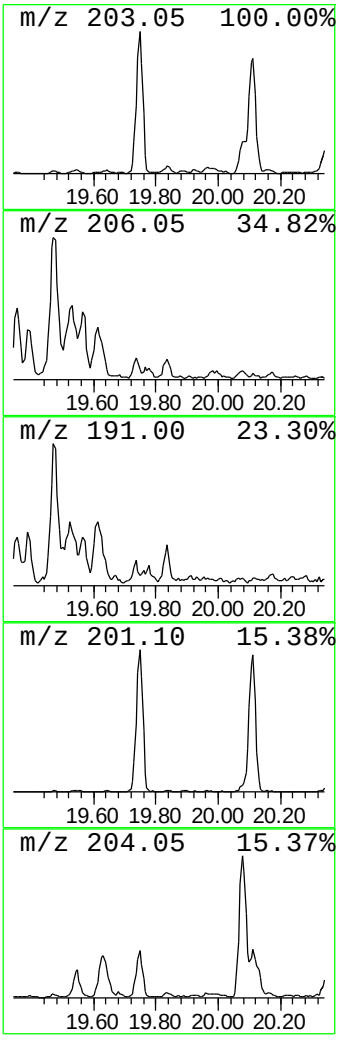
Peak Number 27 unknown-03 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	3.32 ng/ul	136459	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	42
2	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	42
3	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	38
4	9-Cyanophenanthrene	203	C15H9N	002510-55-6	38
5	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	38





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Operator : SJ/JU
Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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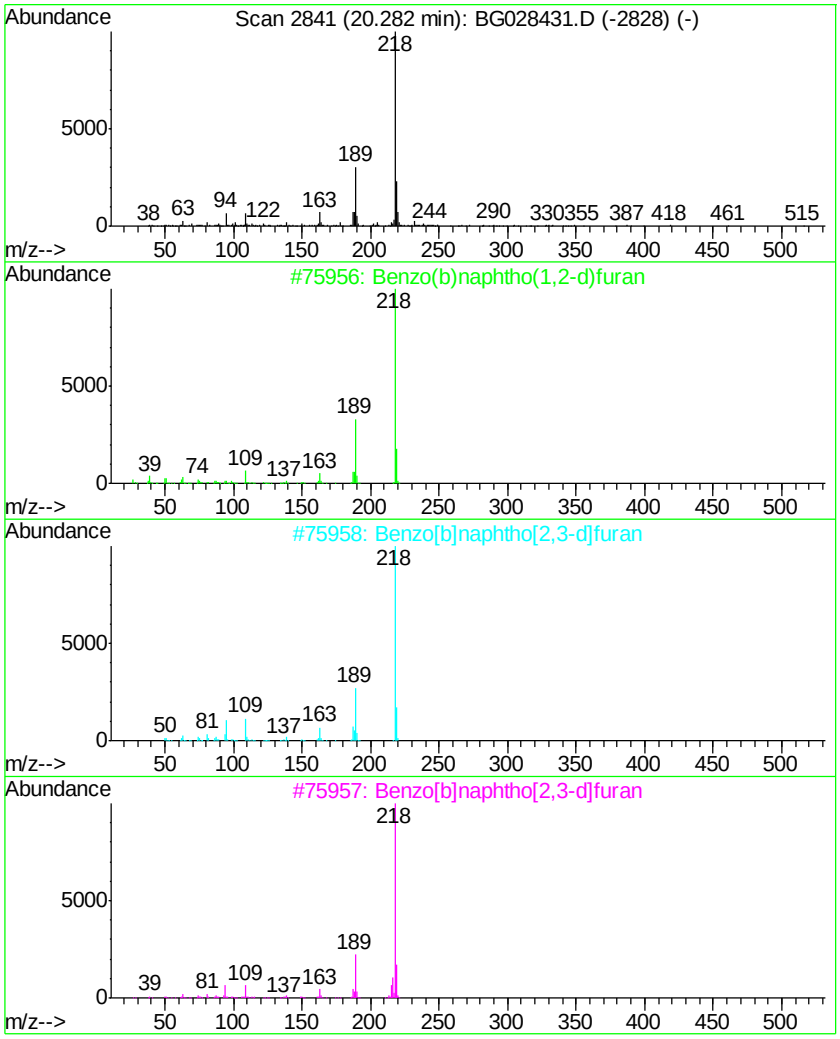
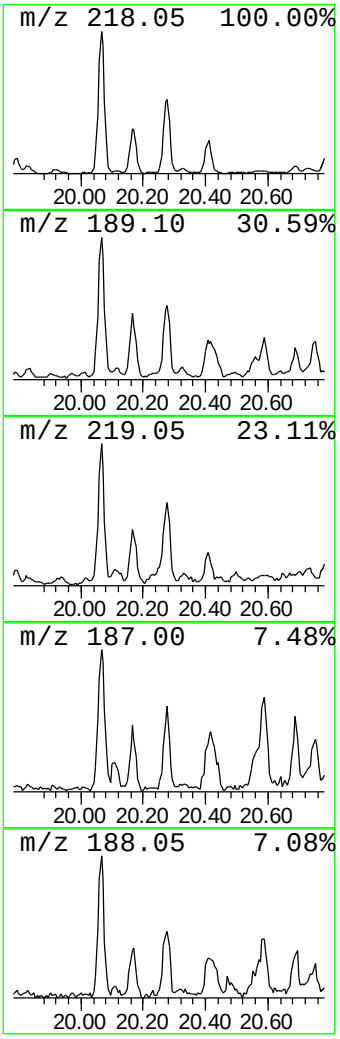
Peak Number 28 Benzo(b)naphtho(1,2-d)furan Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.28	2.15 ng/ul	413088	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	95
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	90
4	Benzo[kl]xanthene	218	C16H10O	000200-23-7	90
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	90





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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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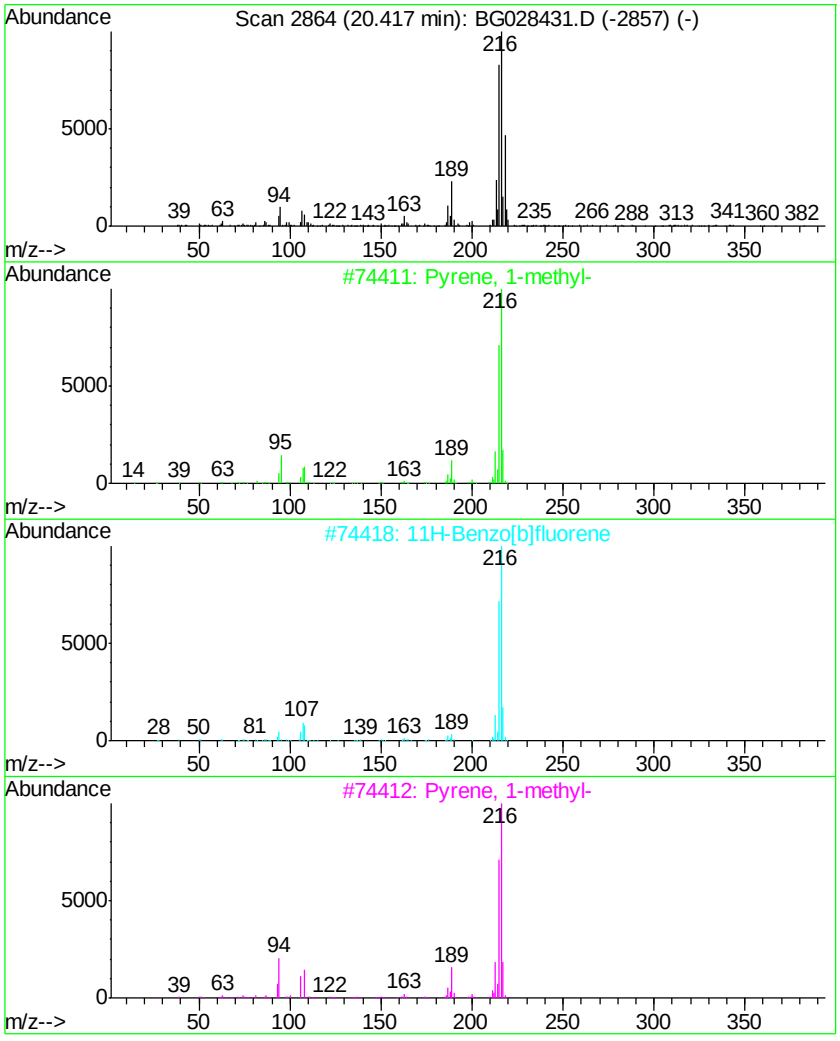
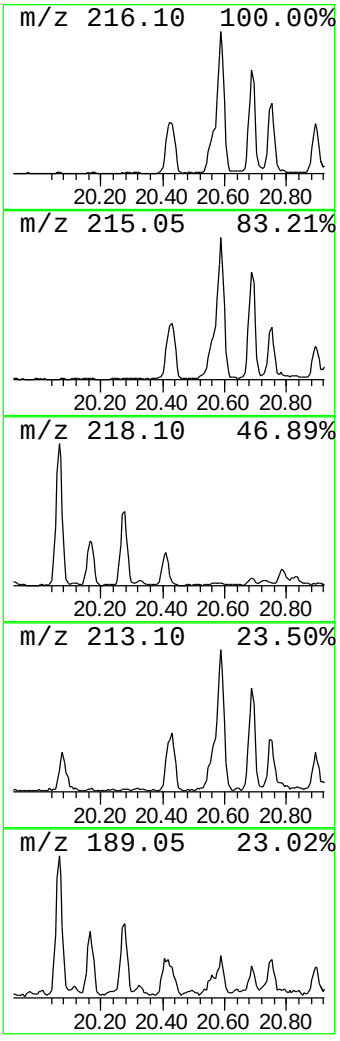
Peak Number 29 Pyrene, 1-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	3.02 ng/ul	580338	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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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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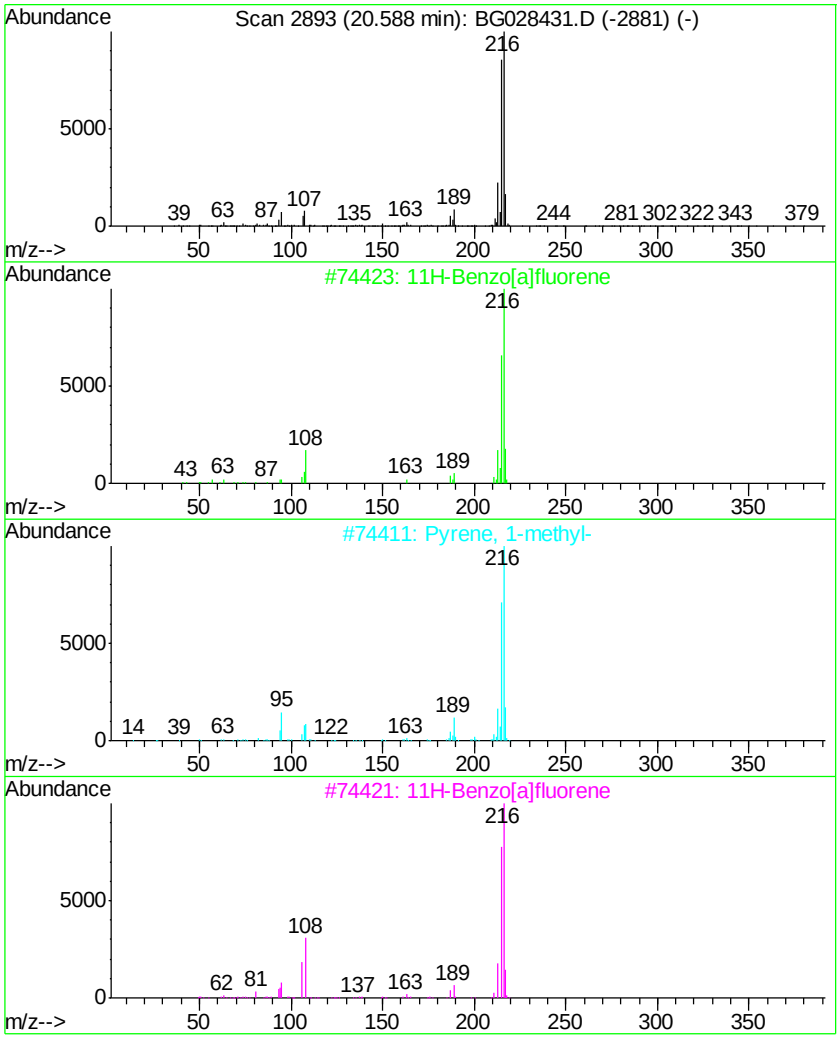
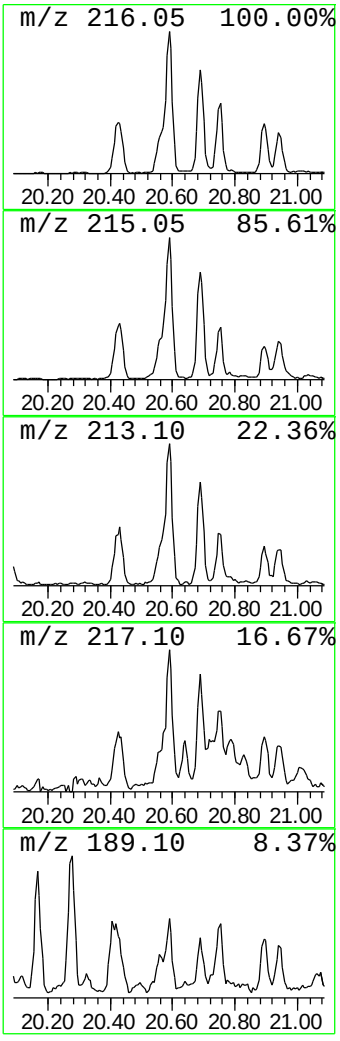
Peak Number 30 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	5.37 ng/ul	1032890	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId : B0AB5

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Quant Title : SVOA CALIBRATION

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

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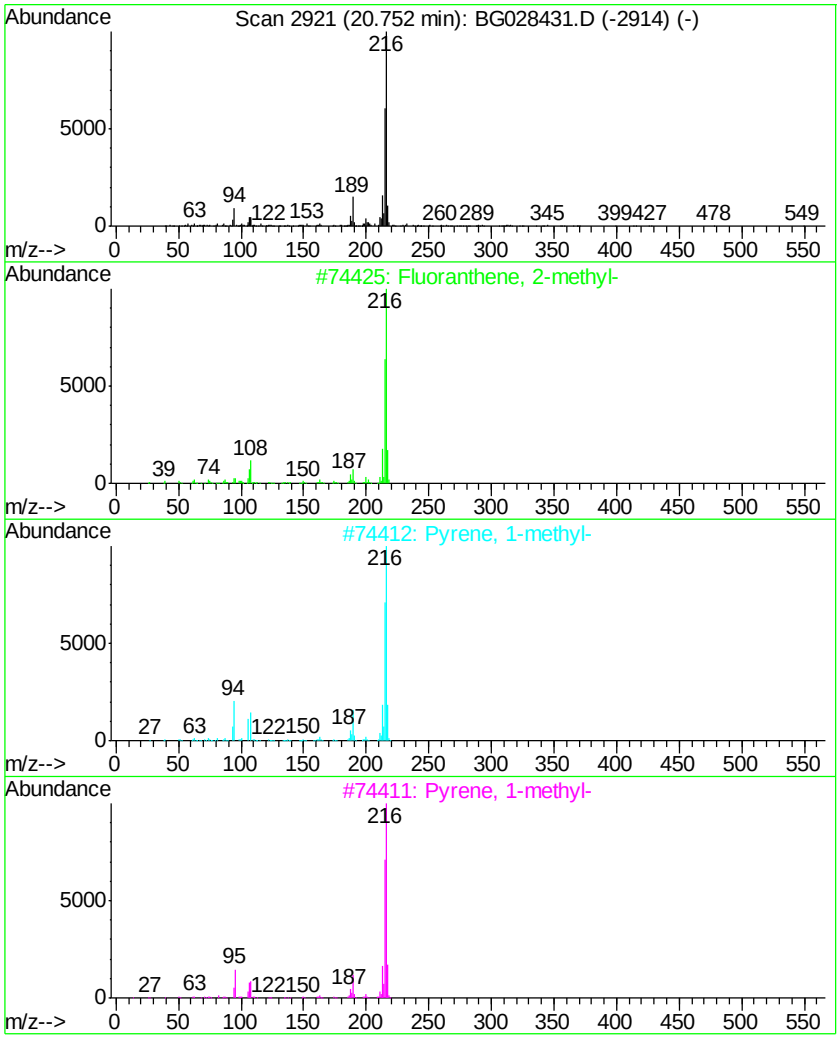
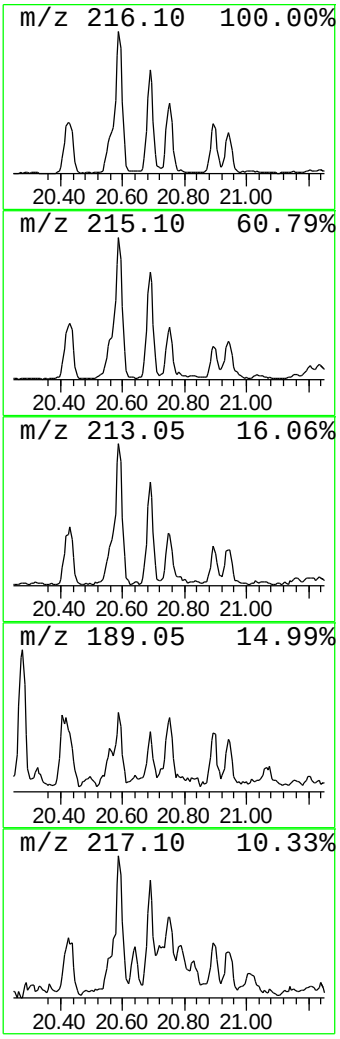
Peak Number 32 Fluoranthene, 2-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.75	2.43 ng/ul	467068	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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Data File : BG028431.D
Acq On : 22 Aug 2017 23:57
Operator : SJ/JU
Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

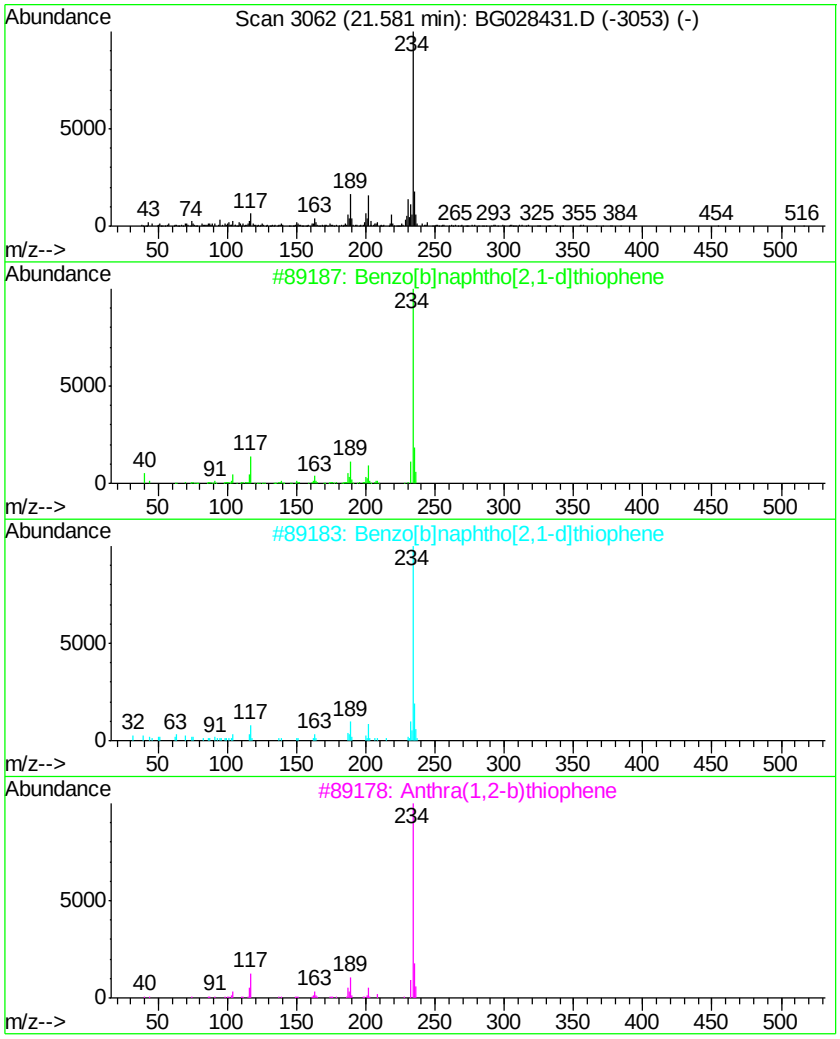
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

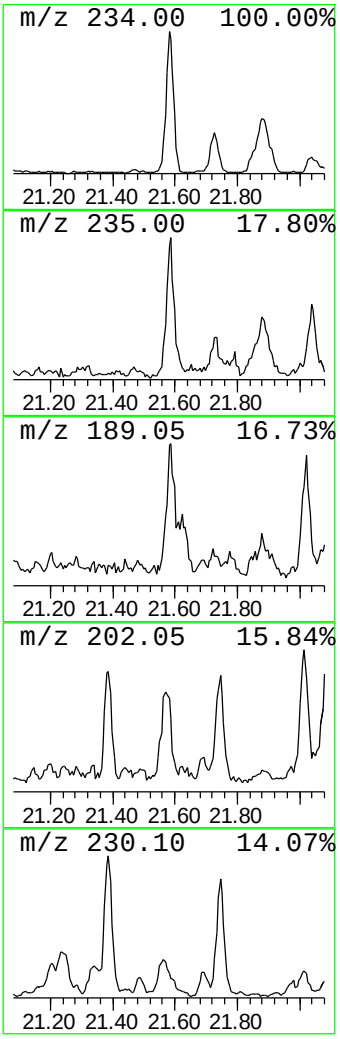
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	2.70 ng/ul	519819	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028431.D
Acq On : 22 Aug 2017 23:57
Operator : SJ/JU
Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

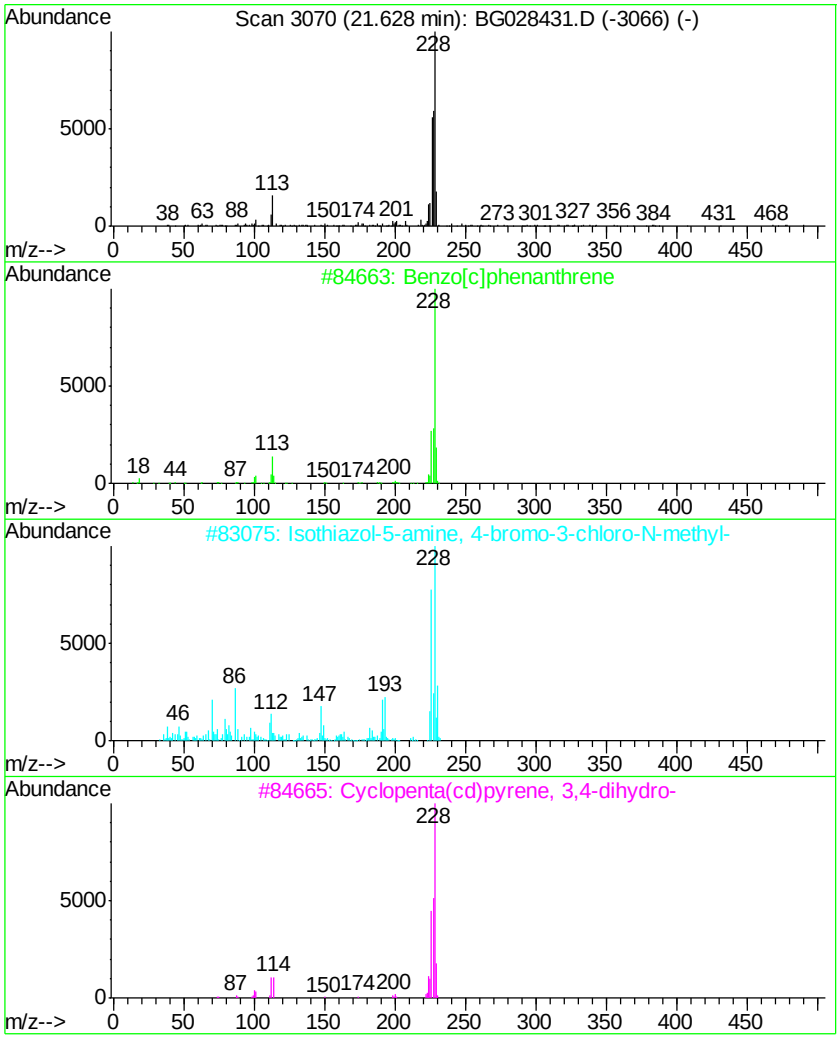
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

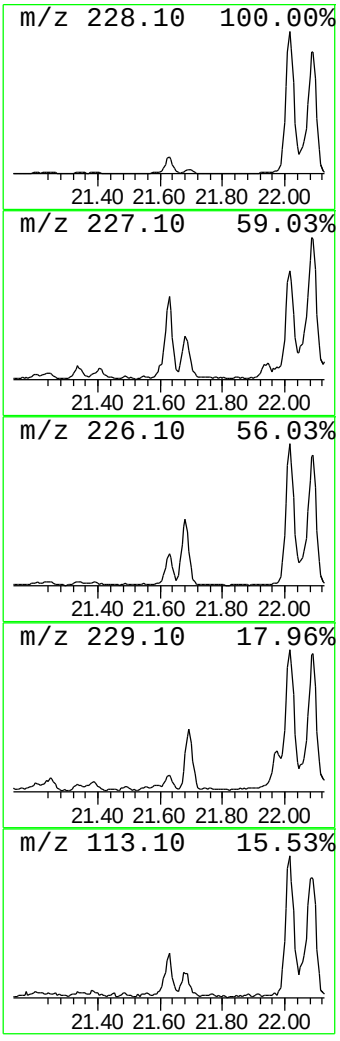
****

Peak Number 34 Benzo[c]phenanthrene Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.63	2.43 ng/ul	466840	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	53
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	50
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
5	Chrysene	228	C18H12	000218-01-9	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028431.D
Acq On : 22 Aug 2017 23:57
Operator : SJ/JU
Sample : I4827-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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
1H-Indene, 1-ethy...	13.01	7.2	ng/ul	157480	2	11.16	438088	20.0
Naphthalene, 2,6-...	14.12	3.4	ng/ul	122207	3	14.95	726209	20.0
Naphthalene, 2,3-...	14.27	4.5	ng/ul	165066	3	14.95	726209	20.0
Benzeneacetamide,...	16.16	3.0	ng/ul	107276	3	14.95	726209	20.0
6H-Dibenzo[b,d]-p...	16.29	5.2	ng/ul	187952	3	14.95	726209	20.0
1,1'-Biphenyl, 2,...	16.63	3.2	ng/ul	131559	4	17.70	822376	20.0
9H-Fluorene, 2-me...	17.00	6.1	ng/ul	251009	4	17.70	822376	20.0
unknown-01	17.22	3.1	ng/ul	127266	4	17.70	822376	20.0
Benzenamine, 3-[2...	17.26	2.6	ng/ul	105952	4	17.70	822376	20.0
9H-Fluoren-9-one	17.36	3.5	ng/ul	143385	4	17.70	822376	20.0
8-Dimethylaminona...	17.42	4.4	ng/ul	182490	4	17.70	822376	20.0
Dibenzothiophene	17.52	7.7	ng/ul	315576	4	17.70	822376	20.0
4-Methylnaphtho[1...	18.28	2.8	ng/ul	113139	4	17.70	822376	20.0
Phenanthrene, 1-m...	18.57	16.0	ng/ul	659578	4	17.70	822376	20.0
4H-Cyclopenta[def...	18.77	34.2	ng/ul	1404420	4	17.70	822376	20.0
Tricyclo[8.2.2.2(...	19.06	9.8	ng/ul	404492	4	17.70	822376	20.0
9,10-Anthracenedione	19.11	8.6	ng/ul	351548	4	17.70	822376	20.0
Phenanthrene, 2,5...	19.30	4.6	ng/ul	189835	4	17.70	822376	20.0
Phenanthrene, 1,7...	19.35	2.2	ng/ul	91865	4	17.70	822376	20.0
Phenanthrene, 3,6...	19.39	2.4	ng/ul	97997	4	17.70	822376	20.0
9,10-Dimethylanth...	19.47	9.7	ng/ul	397571	4	17.70	822376	20.0
unknown-02	19.54	7.9	ng/ul	325294	4	17.70	822376	20.0
Cyclopenta(def)ph...	19.62	6.0	ng/ul	245664	4	17.70	822376	20.0
unknown-03	19.84	3.3	ng/ul	136459	4	17.70	822376	20.0
Benzo(b)naphtho(1...	20.28	2.1	ng/ul	413088	5	22.04	3843750	20.0
Pyrene, 1-methyl-	20.42	3.0	ng/ul	580338	5	22.04	3843750	20.0
11H-Benzo[a]fluorene	20.59	5.4	ng/ul	1032890	5	22.04	3843750	20.0
Fluoranthene, 2-m...	20.75	2.4	ng/ul	467068	5	22.04	3843750	20.0
Benzo[b]naphtho[2...	21.58	2.7	ng/ul	519819	5	22.04	3843750	20.0
Benzo[c]phenanthrene	21.63	2.4	ng/ul	466840	5	22.04	3843750	20.0