LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028432.D
Acq On : 23 Aug 2017 00:37
Operator : SJ/JU
Sample : I4827-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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	8.348	802	810	819	rBB	158542	281579	2.06%	0.204%
2	11.162	1280	1289	1294	rBV2	252075	483679	3.54%	0.351%
3	11.215	1294	1298	1306	rVV	222354	394186	2.89%	0.286%
4	12.795	1558	1567	1576	rBV	214040	354954	2.60%	0.258%
5	13.013	1595	1604	1612	rVV	172384	300634	2.20%	0.218%
6	14.129	1781	1794	1801	rBV4	99982	264609	1.94%	0.192%
7	14.270	1809	1818	1823	rBV2	199439	371996	2.73%	0.270%
8	14.329	1823	1828	1834	rVV3	143128	284918	2.09%	0.207%
9	14.505	1848	1858	1869	rVB2	103790	232312	1.70%	0.169%
10	14.676	1873	1887	1895	rBV3	124093	355226	2.60%	0.258%
11	14.952	1929	1934	1940	rVV2	430715	718857	5.27%	0.522%
12	15.016	1940	1945	1951	rVV	584339	915706	6.71%	0.665%
13	15.345	1994	2001	2008	rVV	539630	929104	6.81%	0.675%
14	15.998	2106	2112	2121	rVV2	1023754	1700036	12.45%	1.234%
15	16.121	2129	2133	2136	rVV	119356	223352	1.64%	0.162%
16	16.156	2136	2139	2144	rVV2	149874	245600	1.80%	0.178%
17	16.285	2151	2161	2170	rVB2	242060	557173	4.08%	0.405%
18	16.432	2170	2186	2194	rBV	280030	673533	4.93%	0.489%
19	16.632	2212	2220	2230	rBV4	102501	248693	1.82%	0.181%
20	16.996	2270	2282	2287	rBV3	275056	636738	4.66%	0.462%
21	17.049	2287	2291	2296	rVB2	144592	211439	1.55%	0.154%
22	17.149	2302	2308	2313	rVB5	121035	228570	1.67%	0.166%
23	17.220	2313	2320	2324	rBV3	137191	310850	2.28%	0.226%
24	17.267	2324	2328	2336	rVB3	126424	227419	1.67%	0.165%
25	17.355	2337	2343	2349	rVV3	170590	341579	2.50%	0.248%
26	17.425	2349	2355	2366	rVV4	148186	506776	3.71%	0.368%
27	17.519	2366	2371	2380	rVB	406601	687604	5.04%	0.499%
28	17.707	2396	2403	2405	rBV	494658	795194	5.83%	0.577%
29	17.760	2405	2412	2417	rVB	6869882	11552529	84.63%	8.388%
30	17.842	2418	2426	2432	rVV	1684768	2829906	20.73%	2.055%
31	18.107	2461	2471	2485	rBV2	532459	1153339	8.45%	0.837%
32	18.283	2494	2501	2511	rVB3	136244	283662	2.08%	0.206%
33	18.577	2541	2551	2555	rVV	1010602	1668116	12.22%	1.211%
34	18.624	2555	2559	2565	rVB	1381295	2033050	14.89%	1.476%

LSC Area Percent Report

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Acq On : 23 Aug 2017 00:37
Operator : SJ/JU
Sample : I4827-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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	18.706	2565	2573	2577	rBV	517204	849259	6.22%	0.617%
36	18.777	2577	2585	2597	rVV3	1427733	3789050	27.76%	2.751%
37	19.059	2628	2633	2638	rVV	700110	1059741	7.76%	0.769%
38	19.117	2638	2643	2649	rVB	397607	600206	4.40%	0.436%
39	19.305	2666	2675	2679	rBV3	250764	461255	3.38%	0.335%
40	19.352	2679	2683	2687	rVV	223188	358311	2.62%	0.260%
41	19.394	2687	2690	2695	rVB2	181300	239599	1.76%	0.174%
42	19.476	2696	2704	2708	rBV	591396	1071589	7.85%	0.778%
43	19.540	2709	2715	2723	rVB3	288142	876238	6.42%	0.636%
44	19.629	2724	2730	2737	rVB5	243738	608005	4.45%	0.441%
45	19.758	2742	2752	2762	rBV	7468653	12643343	92.62%	9.180%
46	19.840	2762	2766	2771	rVB3	209363	326338	2.39%	0.237%
47	19.987	2786	2791	2800	rVB3	293642	756260	5.54%	0.549%
48	20.122	2800	2814	2819	rBV2	6425252	13650391	100.00%	9.911%
49	20.169	2819	2822	2828	rVB	501051	736115	5.39%	0.534%
50	20.281	2828	2841	2845	rBV	515886	1009804	7.40%	0.733%
51	20.345	2846	2852	2857	rVB	312729	564017	4.13%	0.410%
52	20.428	2857	2866	2872	rBV2	607542	1471697	10.78%	1.069%
53	20.592	2881	2894	2900	rVV	1320321	2811481	20.60%	2.041%
54	20.692	2905	2911	2915	rBV	1109830	1657977	12.15%	1.204%
55	20.751	2915	2921	2925	rVV2	705718	1477689	10.83%	1.073%
56	20.786	2925	2927	2931	rVV	223323	304835	2.23%	0.221%
57	20.827	2931	2934	2940	rVV3	167122	277144	2.03%	0.201%
58	20.898	2940	2946	2950	rVV	455800	747383	5.48%	0.543%
59	20.945	2950	2954	2964	rVB	484337	852983	6.25%	0.619%
60	21.203	2993	2998	3001	rVV3	184108	339142	2.48%	0.246%
61	21.238	3001	3004	3010	rVB2	143046	295186	2.16%	0.214%
62	21.338	3016	3021	3025	rBV4	177107	362686	2.66%	0.263%
63	21.391	3025	3030	3037	rVB	414821	731035	5.36%	0.531%
64	21.585	3054	3063	3067	rVV3	480942	1164880	8.53%	0.846%
65	21.632	3067	3071	3076	rVV	585363	1070572	7.84%	0.777%
66	21.691	3076	3081	3086	rVV3	622622	1253423	9.18%	0.910%
67	21.750	3086	3091	3103	rVB2	383395	878958	6.44%	0.638%
68	21.885	3104	3114	3122	rBV	162744	578181	4.24%	0.420%
69	22.026	3126	3138	3145	rBV3	3522013	8327002	61.00%	6.046%
70	22.096	3145	3150	3161	rVB	2889143	5606768	41.07%	4.071%
71	22.255	3171	3177	3185	rBV	540177	1025076	7.51%	0.744%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I4827-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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

72	22.331	3185	3190	3194	rBV5	132543	257294	1.88%	0.187%
73	22.402	3200	3202	3209	rVB	178917	288230	2.11%	0.209%
74	22.484	3209	3216	3222	rVV2	364083	848684	6.22%	0.616%
75	22.549	3222	3227	3239	rVB8	112286	304044	2.23%	0.221%
76	22.737	3253	3259	3264	rVV3	136839	289069	2.12%	0.210%
77	22.825	3264	3274	3280	rVV	512247	1227460	8.99%	0.891%
78	22.901	3281	3287	3294	rVB	289934	650859	4.77%	0.473%
79	23.001	3297	3304	3308	rBV4	152377	335023	2.45%	0.243%
80	23.054	3308	3313	3319	rVB3	175840	377957	2.77%	0.274%
81	23.130	3319	3326	3330	rBV2	230926	556834	4.08%	0.404%
82	23.177	3331	3334	3343	rVB2	264523	526304	3.86%	0.382%
83	23.271	3343	3350	3364	rVB6	217871	597783	4.38%	0.434%
84	23.577	3387	3402	3408	rBV10	140639	580316	4.25%	0.421%
85	24.023	3469	3478	3494	rVB5	163096	595124	4.36%	0.432%
86	24.452	3537	3551	3557	rBV	1801484	6610036	48.42%	4.799%
87	24.711	3587	3595	3612	rVB2	335434	960469	7.04%	0.697%
88	24.934	3624	3633	3647	rBV4	133504	679418	4.98%	0.493%
89	25.234	3673	3684	3699	rVB2	953203	3099002	22.70%	2.250%
90	25.404	3701	3713	3722	rVB	1619573	4757290	34.85%	3.454%
91	25.557	3730	3739	3746	rBV	279544	890238	6.52%	0.646%
92	25.639	3746	3753	3768	rVB2	429898	1512959	11.08%	1.099%
93	26.509	3894	3901	3915	rVB7	64770	241935	1.77%	0.176%
94	26.709	3927	3935	3947	rVB6	101449	363241	2.66%	0.264%
95	27.067	3986	3996	4007	rBV4	100506	346579	2.54%	0.252%
96	29.617	4412	4430	4452	rVB3	576109	3324189	24.35%	2.414%
97	30.099	4500	4512	4526	rBV3	113091	541230	3.96%	0.393%
98	30.281	4530	4543	4558	rBV4	93842	448720	3.29%	0.326%
99	30.868	4623	4643	4659	rBV2	369733	2175554	15.94%	1.580%
100	31.538	4746	4757	4774	rVB3	105294	505494	3.70%	0.367%

Sum of corrected areas: 137727872

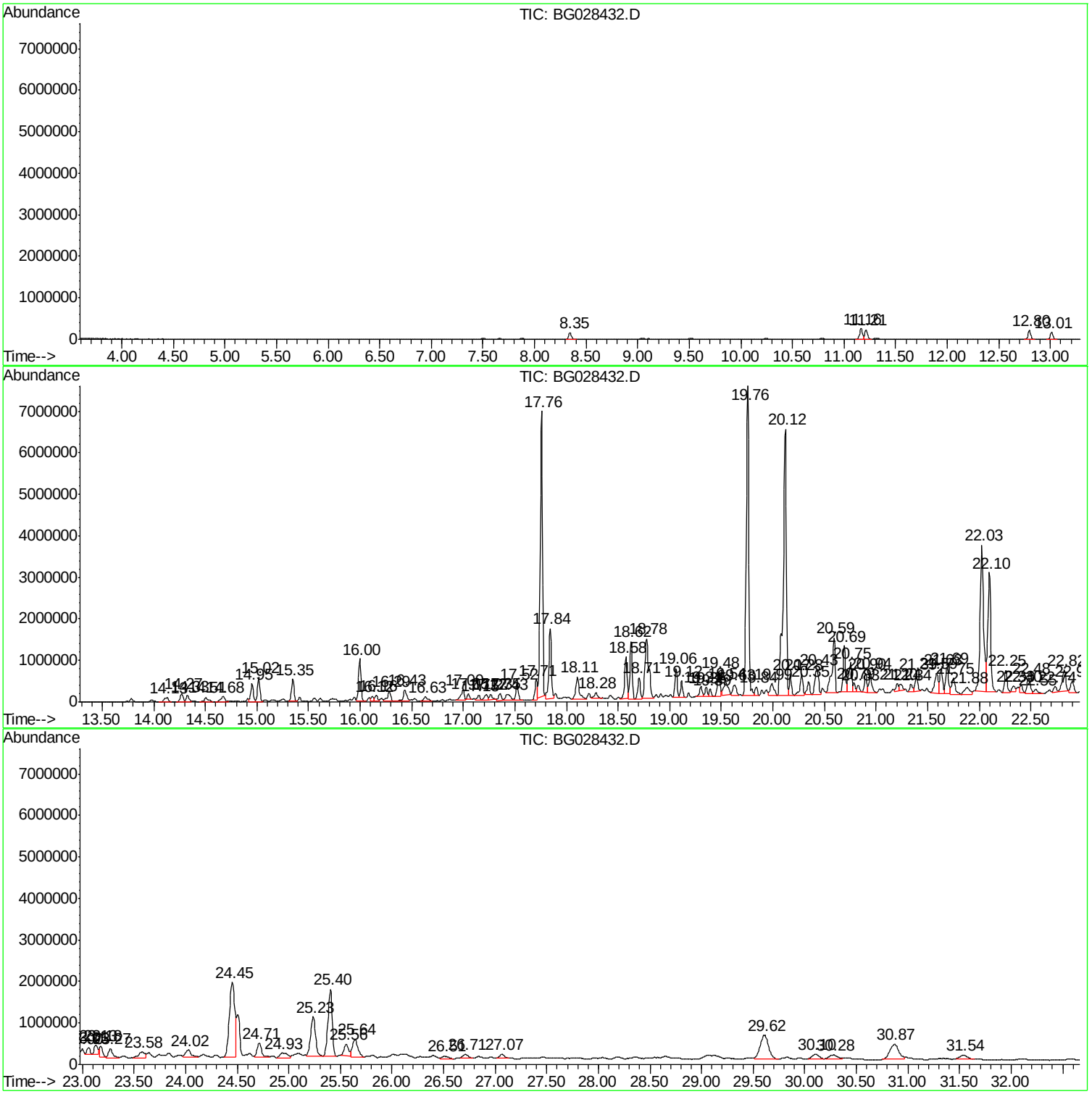
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028432.D
Acq On : 23 Aug 2017 00:37
Operator : SJ/JU
Sample : I4827-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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\
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Acq On : 23 Aug 2017 00:37
Operator : SJ/JU
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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

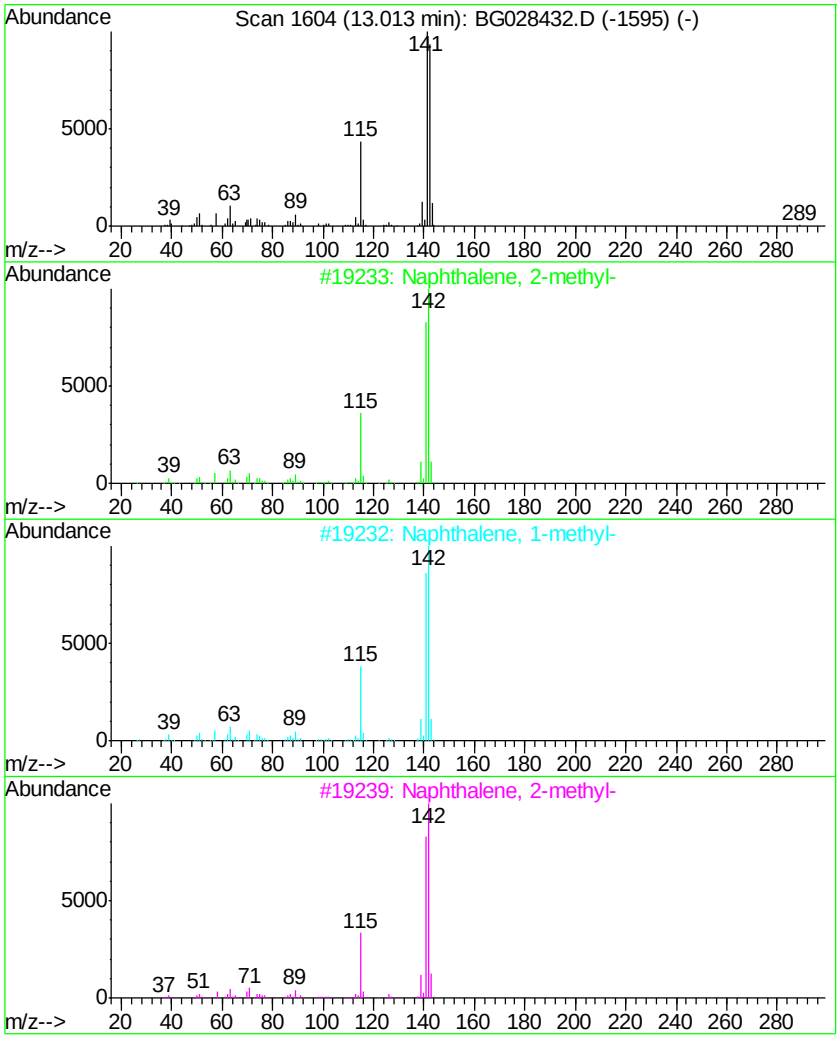
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

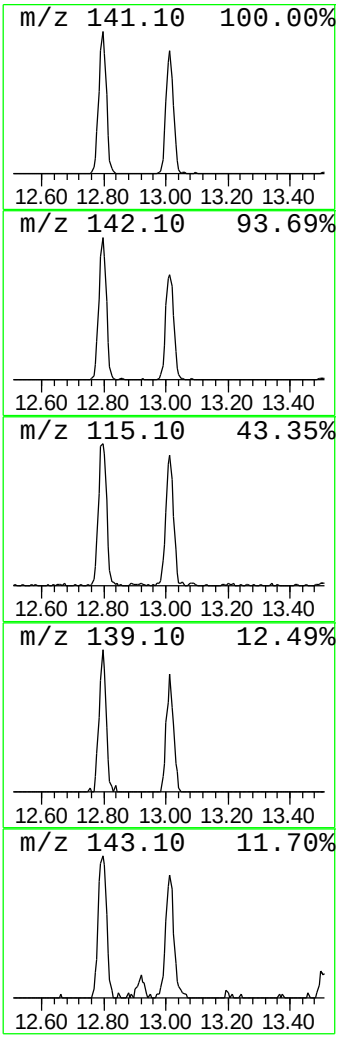
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	12.43 ng/ul	300634	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028432.D
Acq On : 23 Aug 2017 00:37
Operator : SJ/JU
Sample : I4827-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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

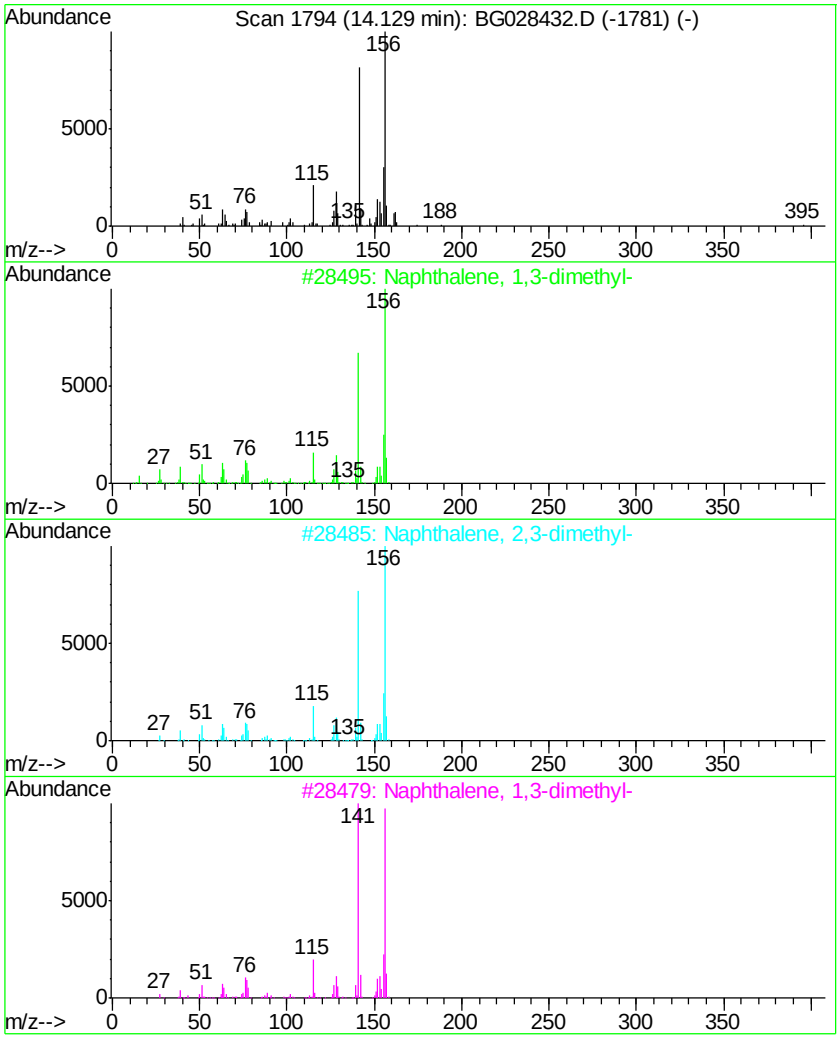
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

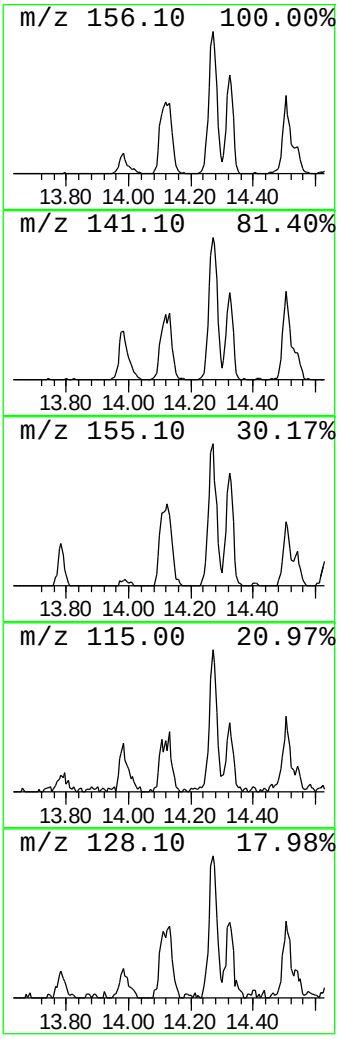
****

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	7.36 ng/ul	264609	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	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, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
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Sample : I4827-05 10X
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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

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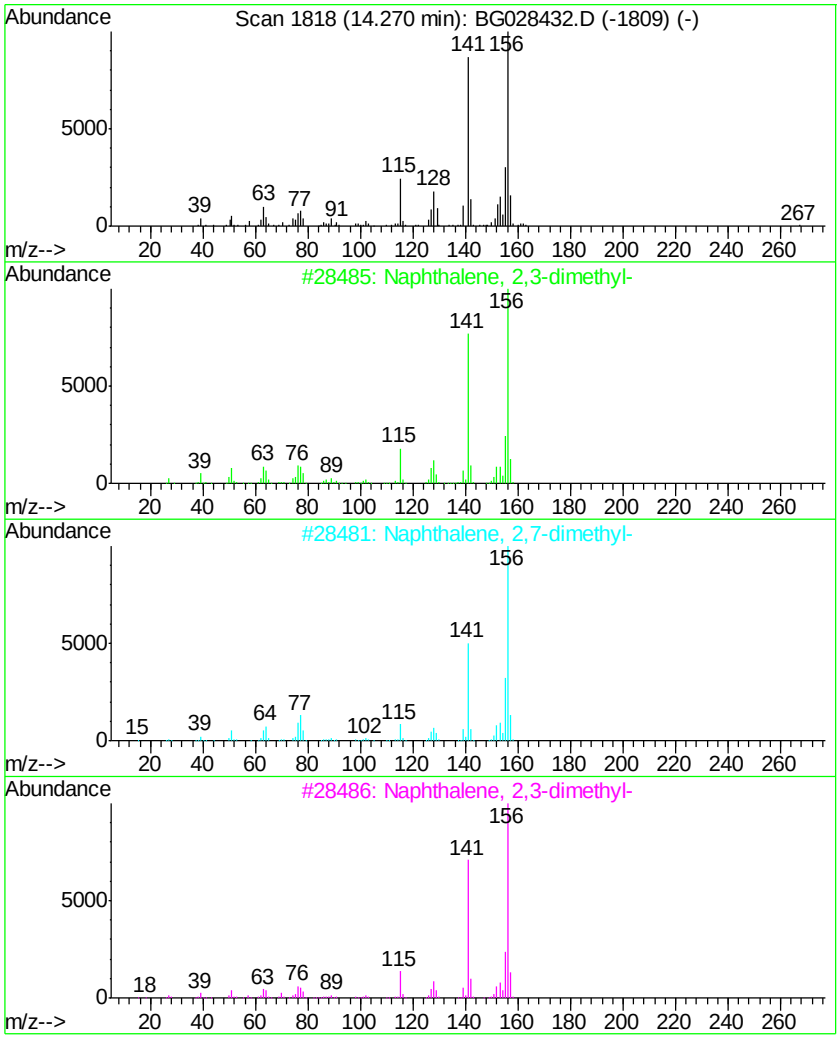
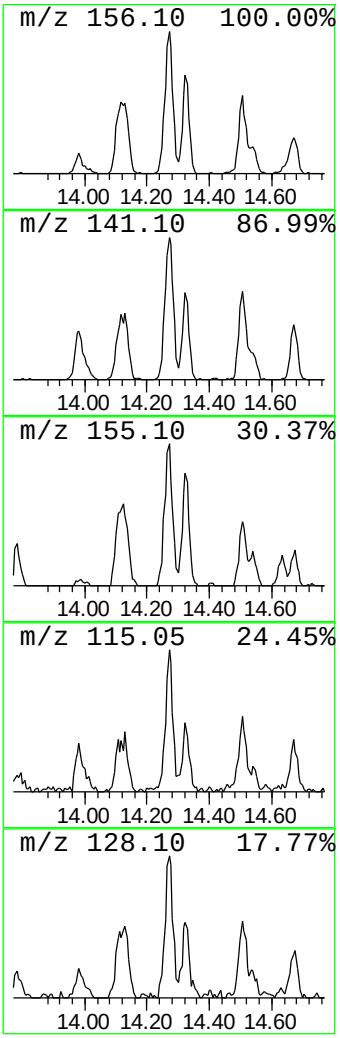
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	10.35 ng/ul	371996	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, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
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Operator : SJ/JU
Sample : I4827-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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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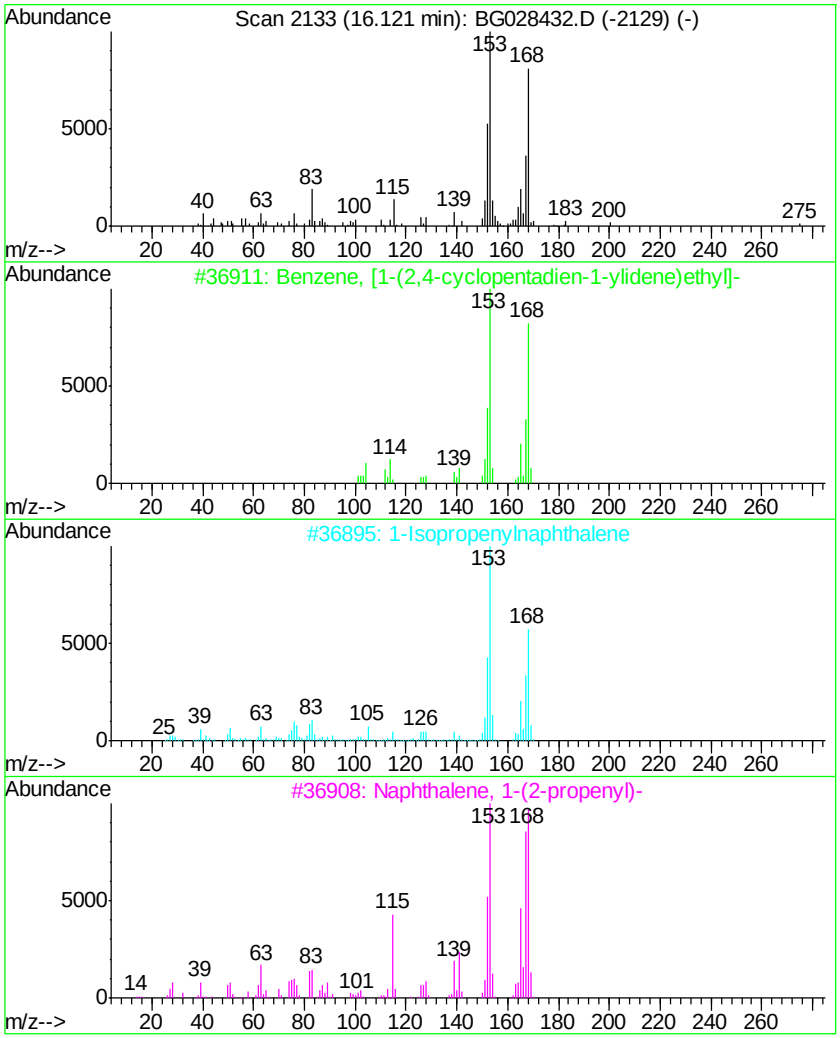
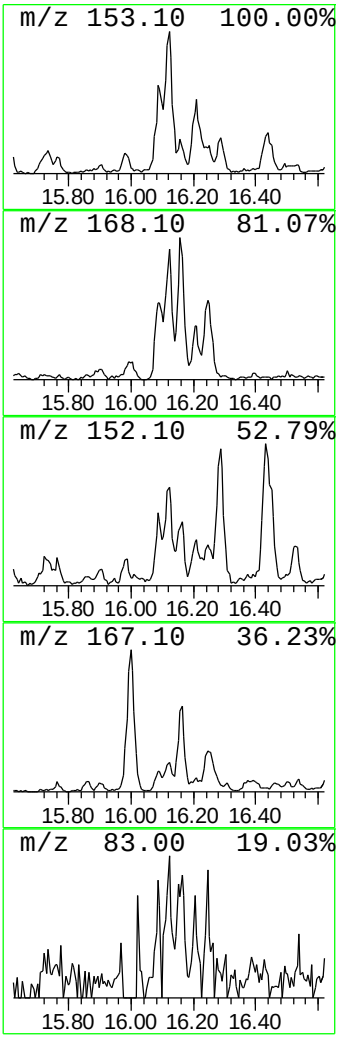
Peak Number 5 Benzene, [1-(2,4-cyclopenta... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	6.21 ng/ul	223352	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	58
5	Benzeneacetonitrile, 2,6-difluoro-	153	C8H5F2N	000654-01-3	35





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
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Operator : SJ/JU
Sample : I4827-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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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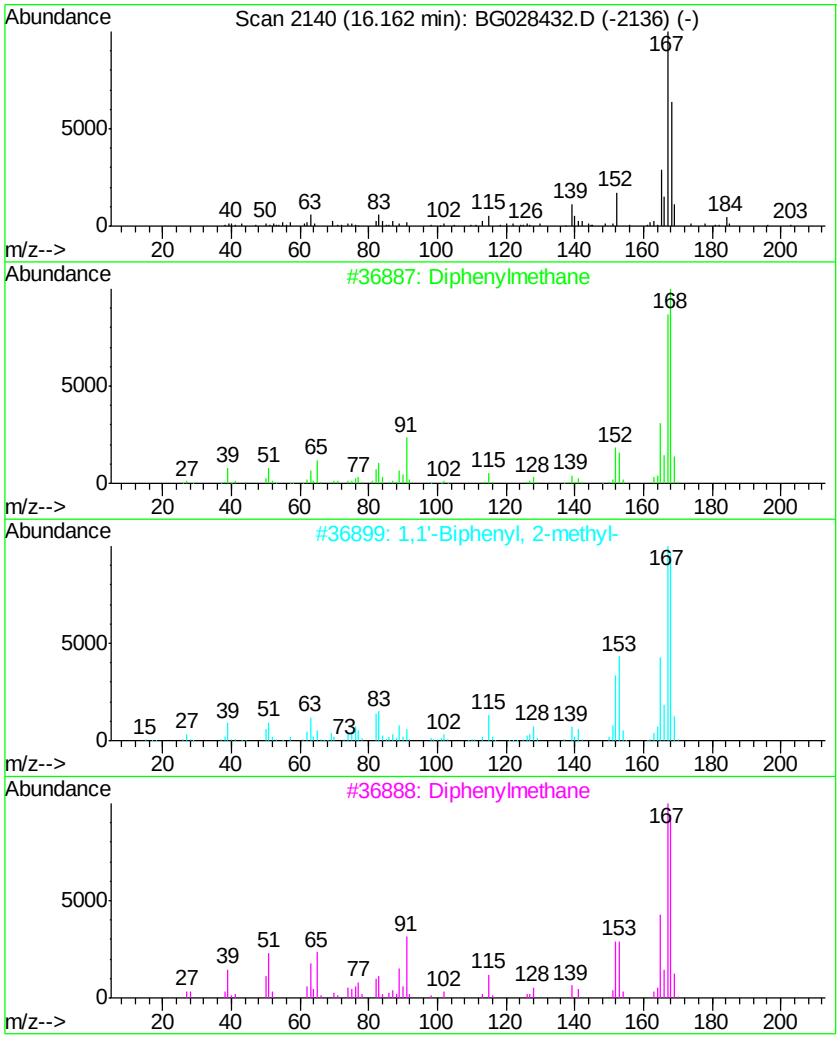
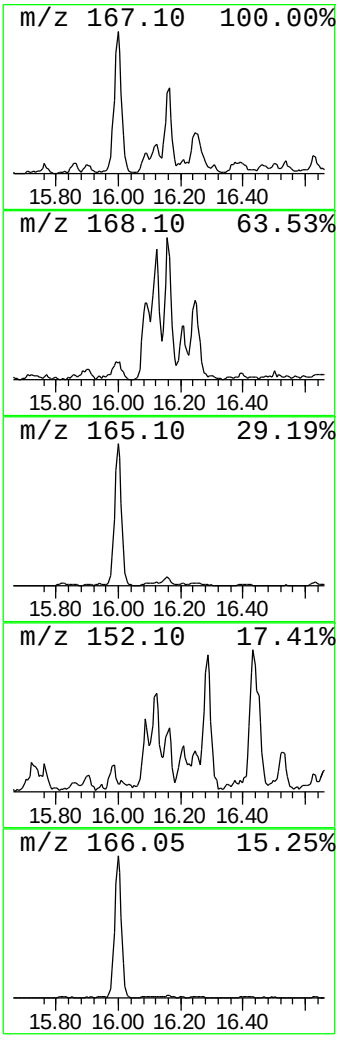
Peak Number 6 Diphenylmethane Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	6.83 ng/ul	245600	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	53
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	53
3	Diphenylmethane	168	C13H12	000101-81-5	53
4	Diphenylmethane	168	C13H12	000101-81-5	53
5	Diphenylmethane	168	C13H12	000101-81-5	53





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Sample : I4827-05 10X
Misc :
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Instrument : BNA_G
ClientSampleId : B0AB4

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Quant Title : SVOA CALIBRATION

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

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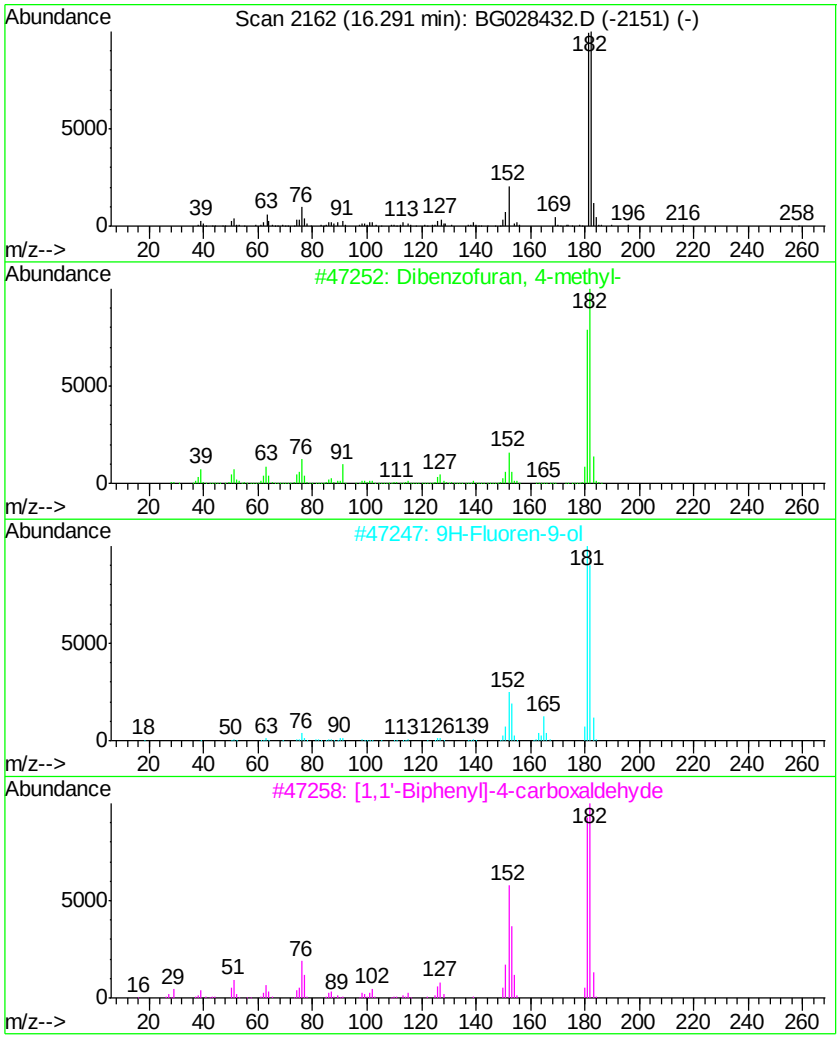
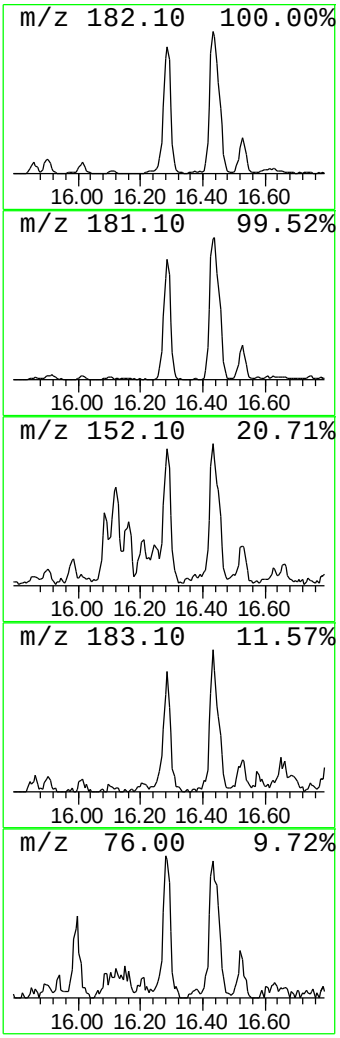
Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	15.50 ng/ul	557173	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74





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Instrument : BNA_G
ClientSampleId : B0AB4

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Quant Title : SVOA CALIBRATION

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

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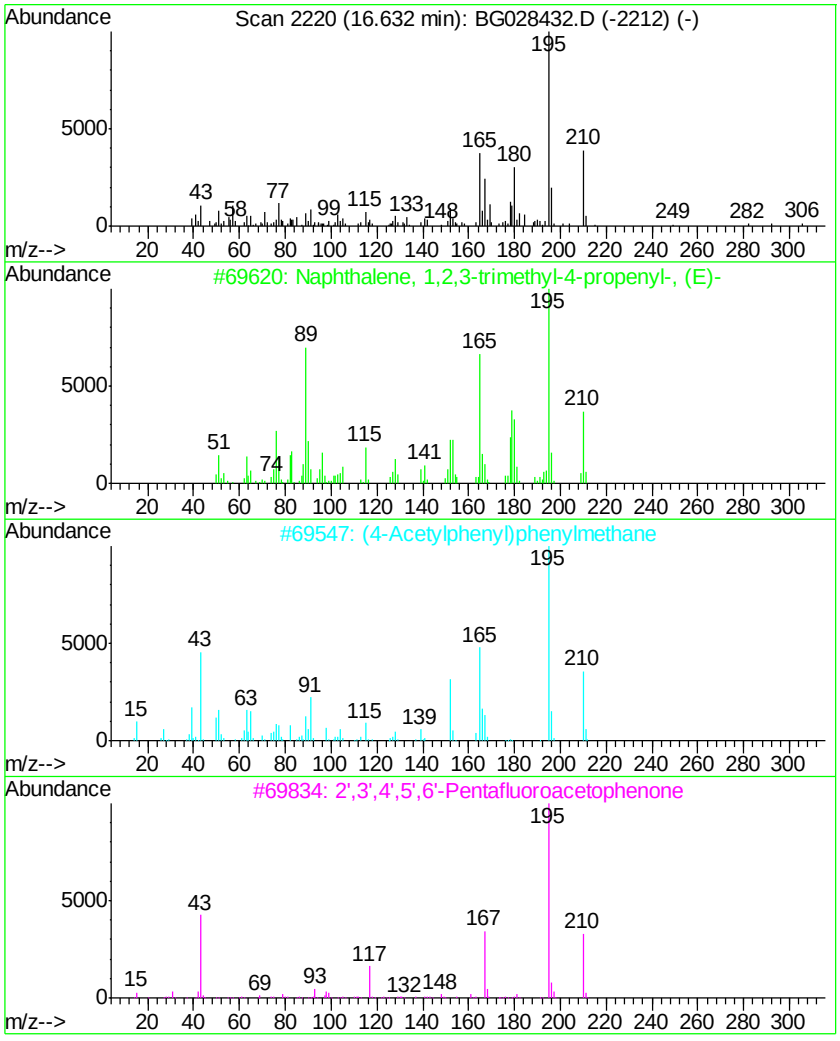
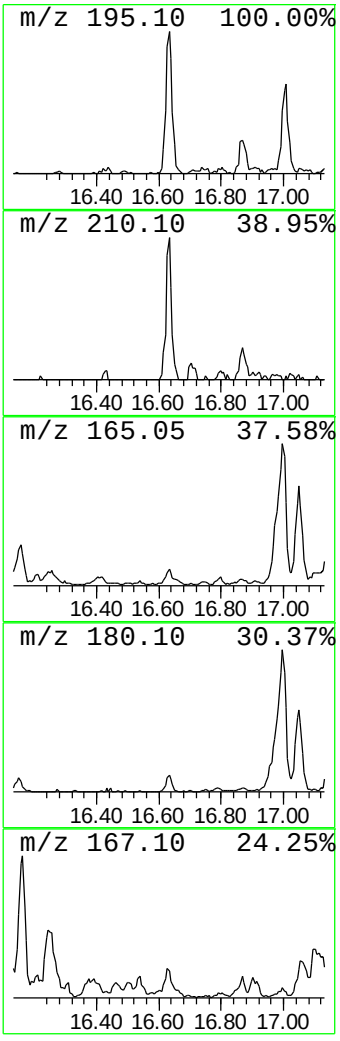
Peak Number 9 Naphthalene, 1,2,3-trimethy... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	6.25 ng/ul	248693	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	68
2	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	58
3	2',3',4',5',6'-Pentafluoroacetop...	210	C8H3F5O	000652-29-9	47
4	2',3',4',5',6'-Pentafluoroacetop...	210	C8H3F5O	000652-29-9	47
5	Anthracene, 9-butyl-1,2,3,4-tetr...	238	C18H22	1000151-39-2	47





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Quant Title : SVOA CALIBRATION

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

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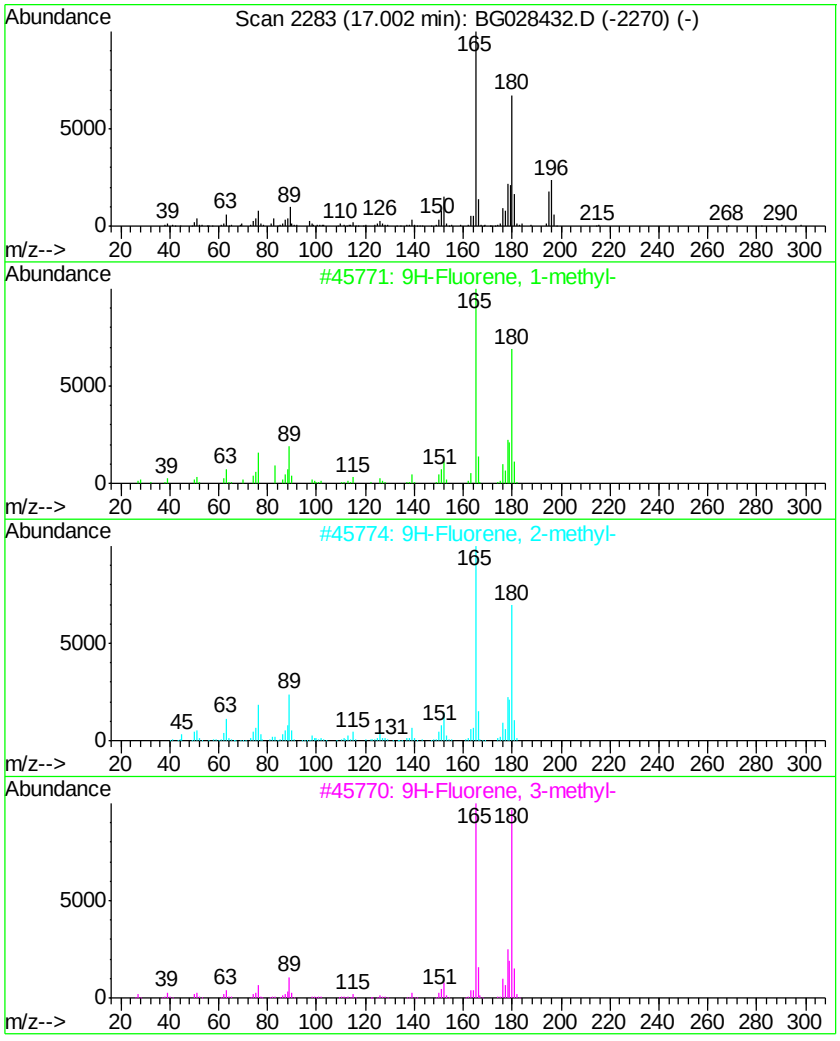
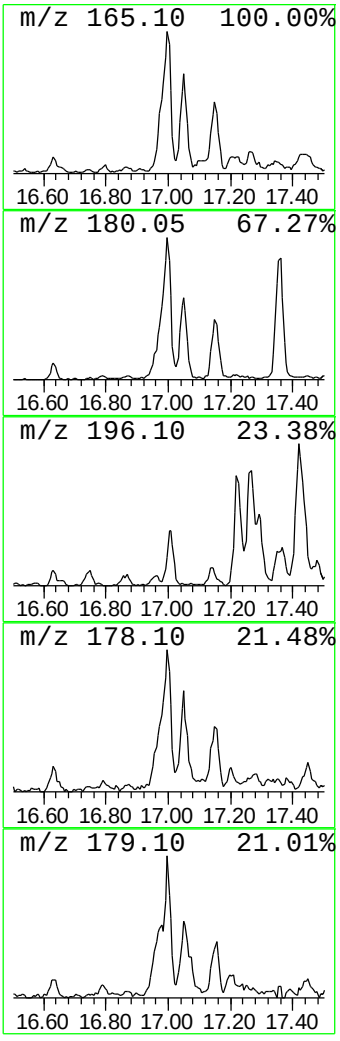
Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	16.01 ng/ul	636738	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86





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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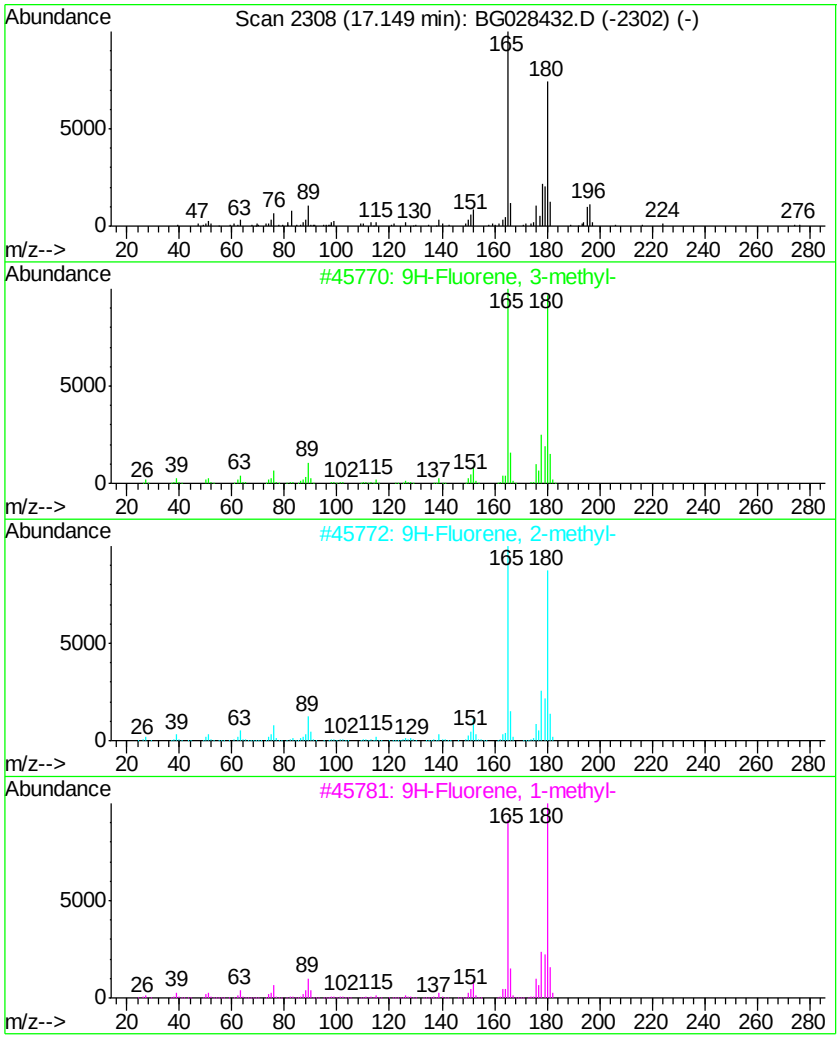
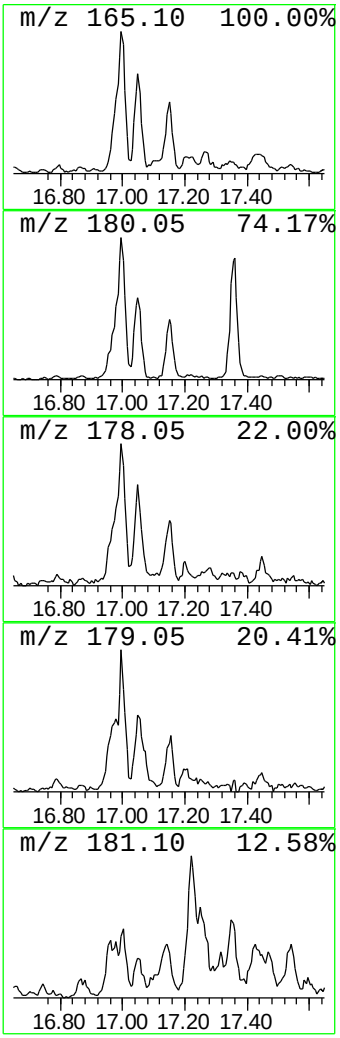
Peak Number 12 9H-Fluorene, 3-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.15	5.75 ng/ul	228570	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90





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Quant Title : SVOA CALIBRATION

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

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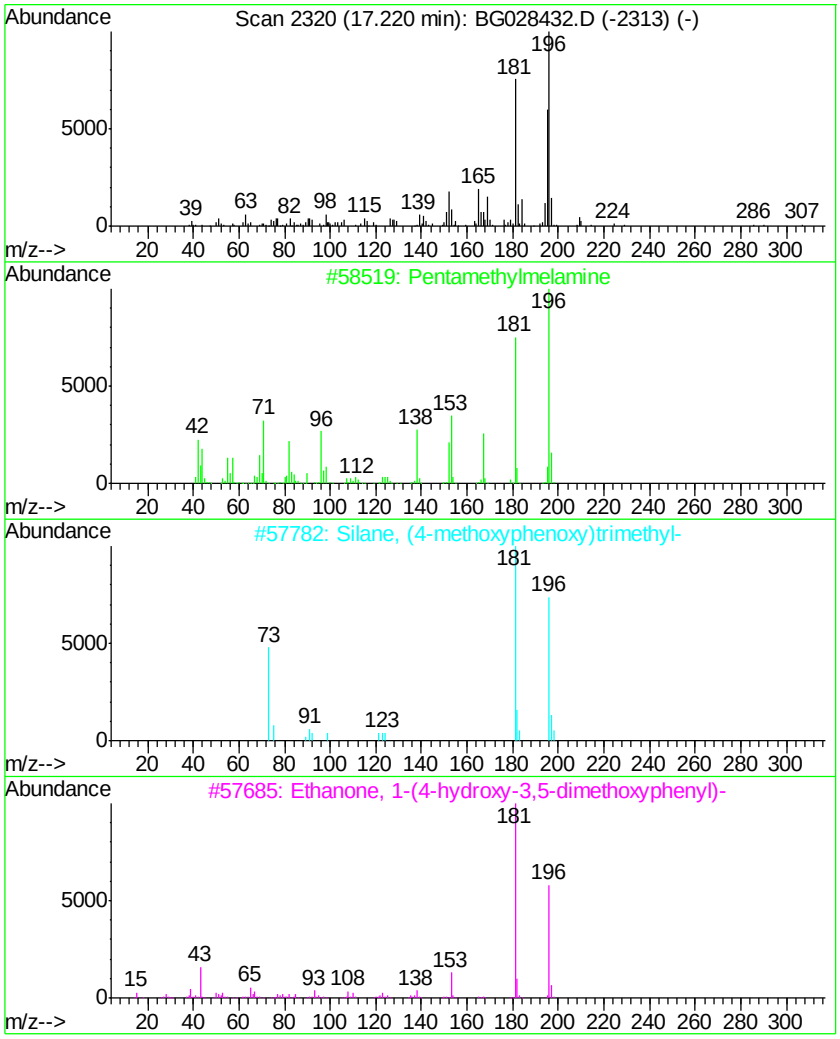
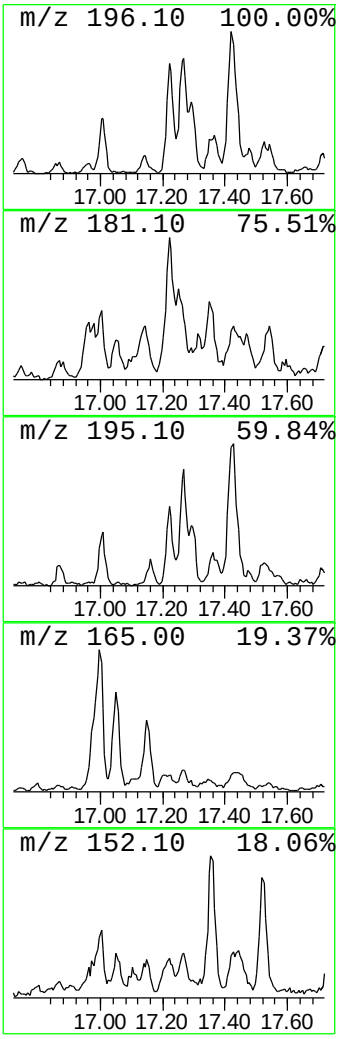
Peak Number 13 Pentamethylmelamine Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	7.82 ng/ul	310850	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentamethylmelamine	196	C8H16N6	035832-09-8	58
2	Silane, (4-methoxyphenoxy)trimet...	196	C10H16O2Si	006689-38-9	52
3	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	50
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46
5	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	43





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Quant Title : SVOA CALIBRATION

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

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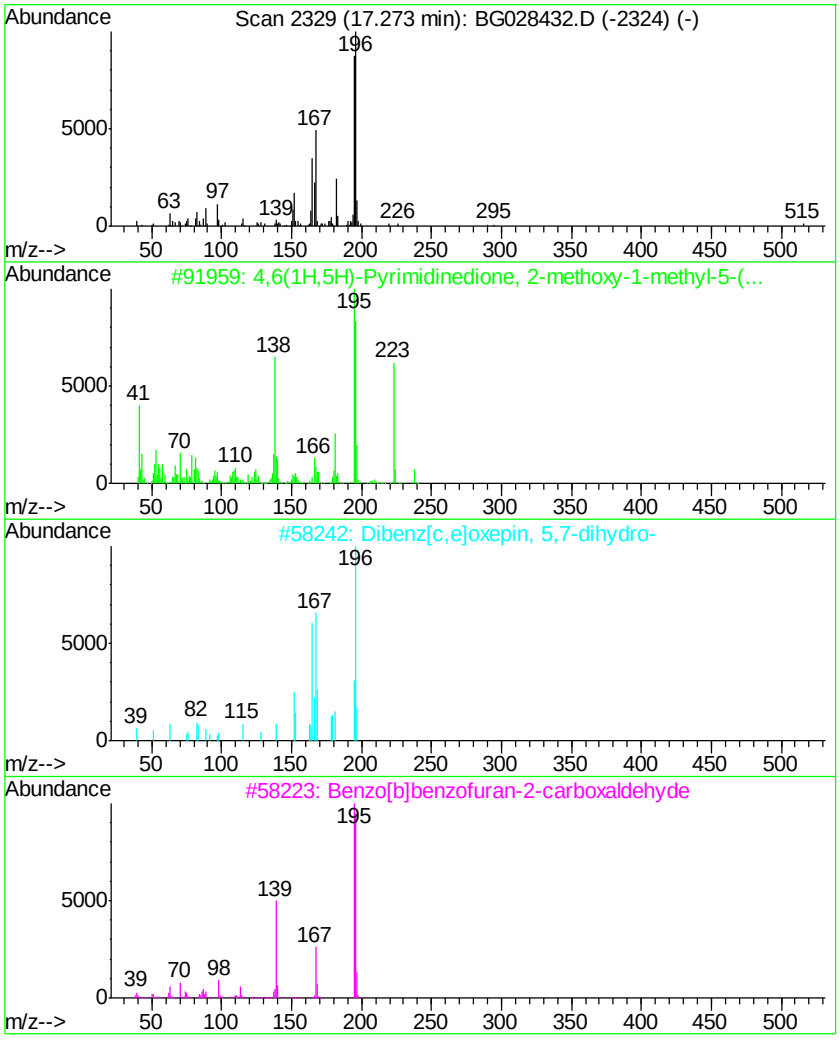
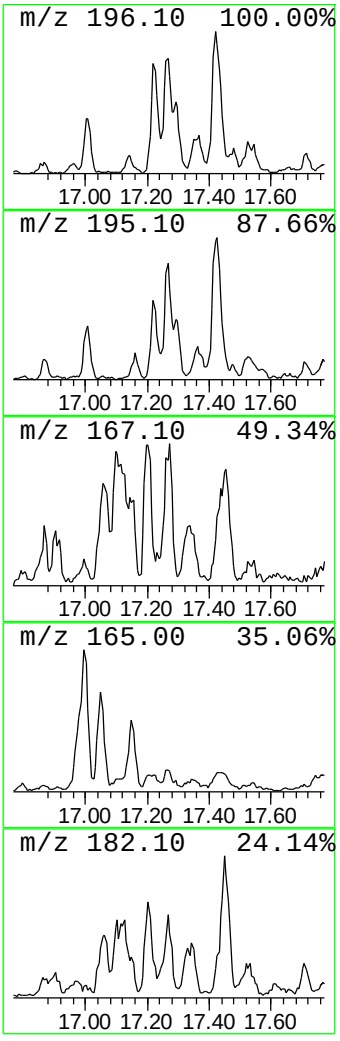
Peak Number 14 4,6(1H,5H)-Pyrimidinedione,... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	5.72 ng/ul	227419	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6(1H,5H)-Pyrimidinedione, 2-me...	238	C12H18N2O3	072360-97-5	59
2	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	53
3	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	50
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49





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Quant Title : SVOA CALIBRATION

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

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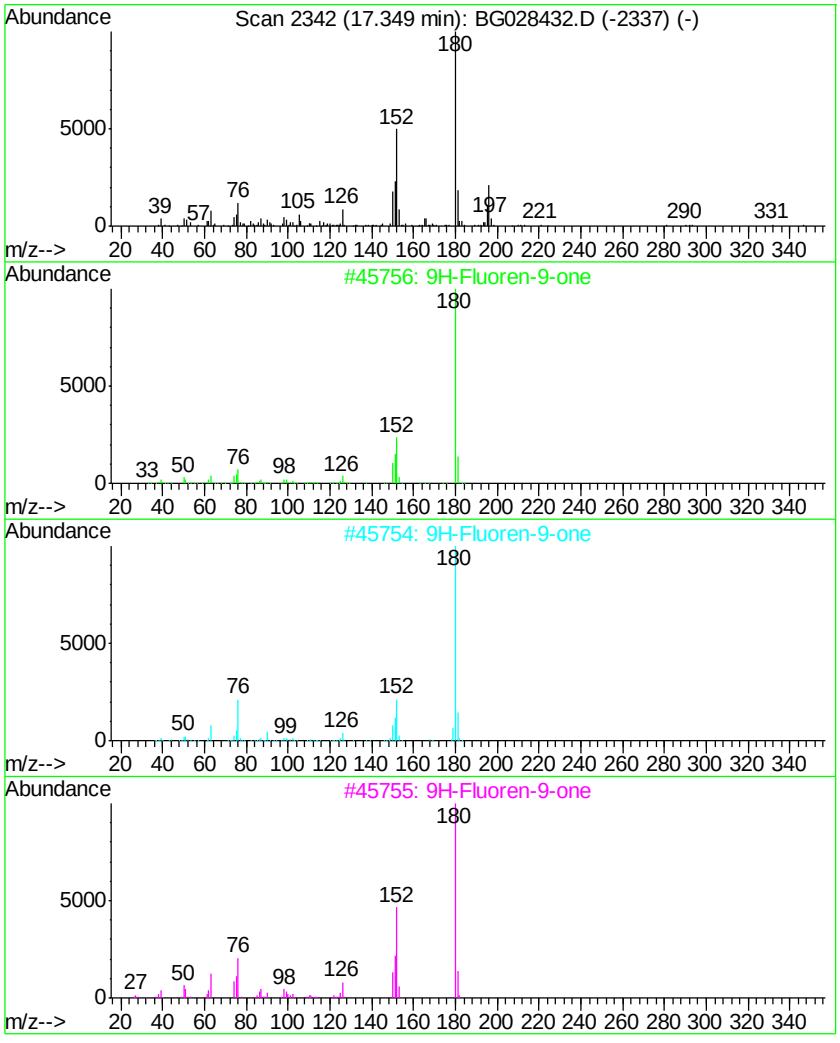
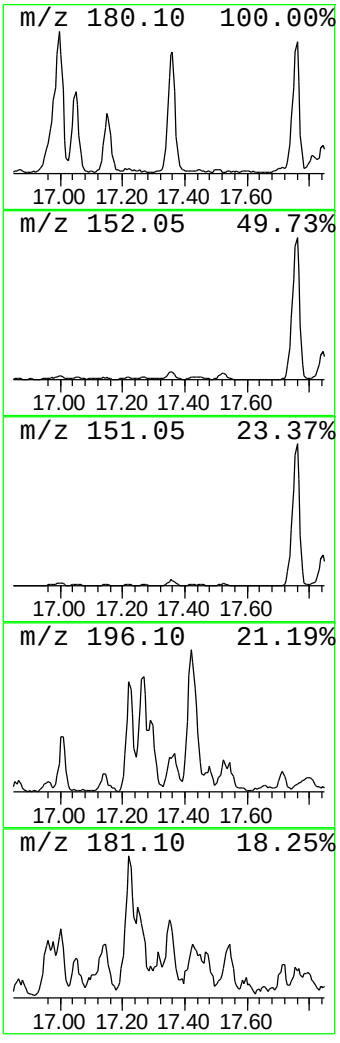
Peak Number 15 9H-Fluoren-9-one Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	8.59 ng/ul	341579	Phenanthrene-d10	17.71

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	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	72
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





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Quant Title : SVOA CALIBRATION

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

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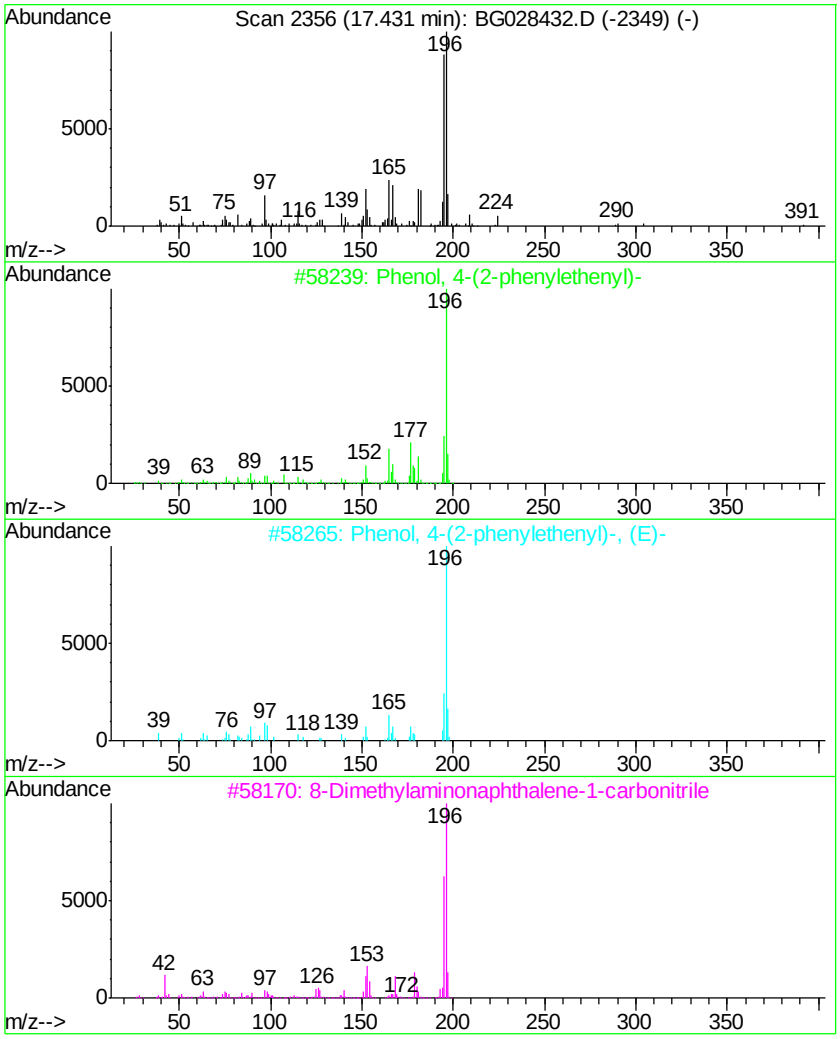
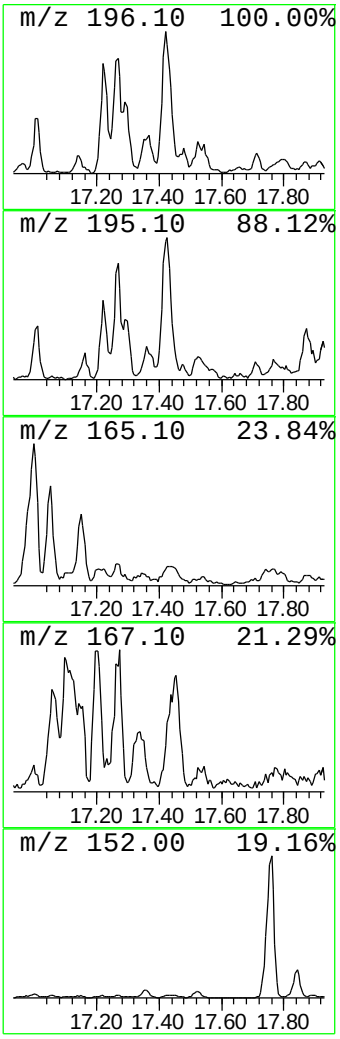
Peak Number 16 Phenol, 4-(2-phenylethenyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	12.75 ng/ul	506776	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	50
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47





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Quant Title : SVOA CALIBRATION

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

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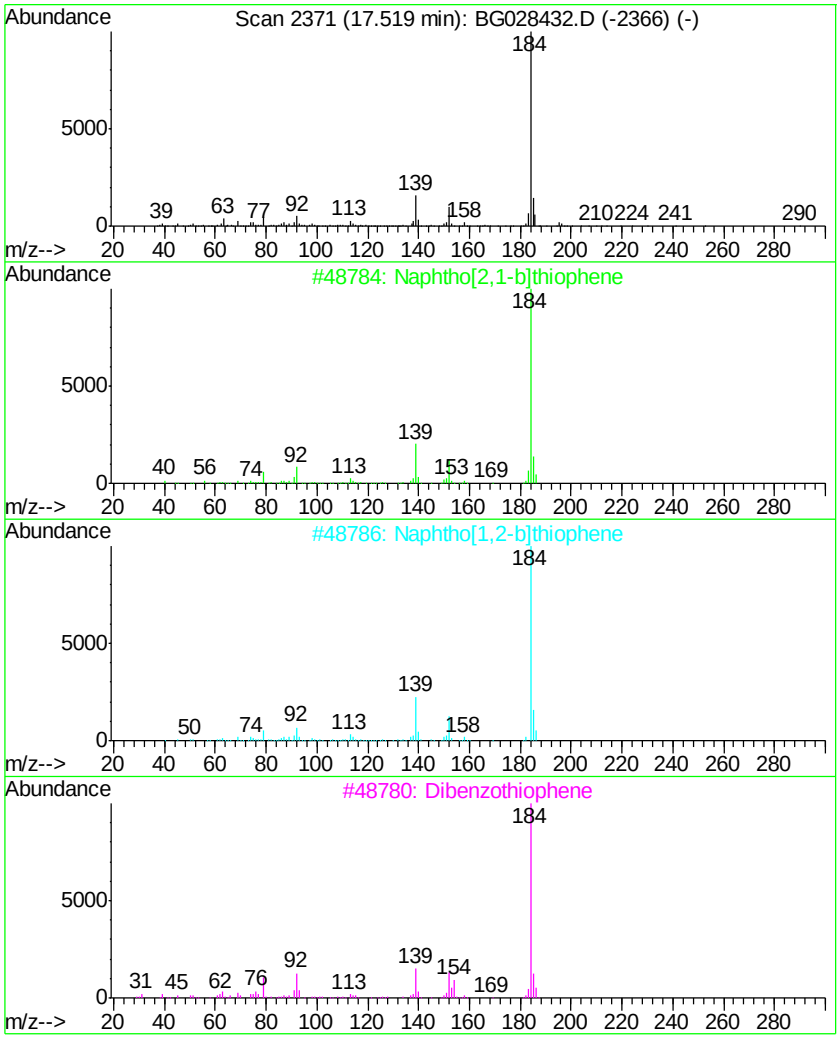
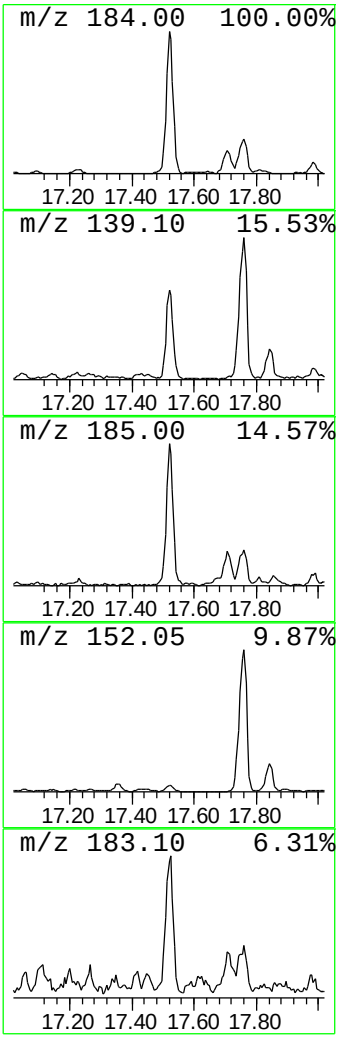
Peak Number 17 Naphtho[2,1-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	17.29 ng/ul	687604	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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

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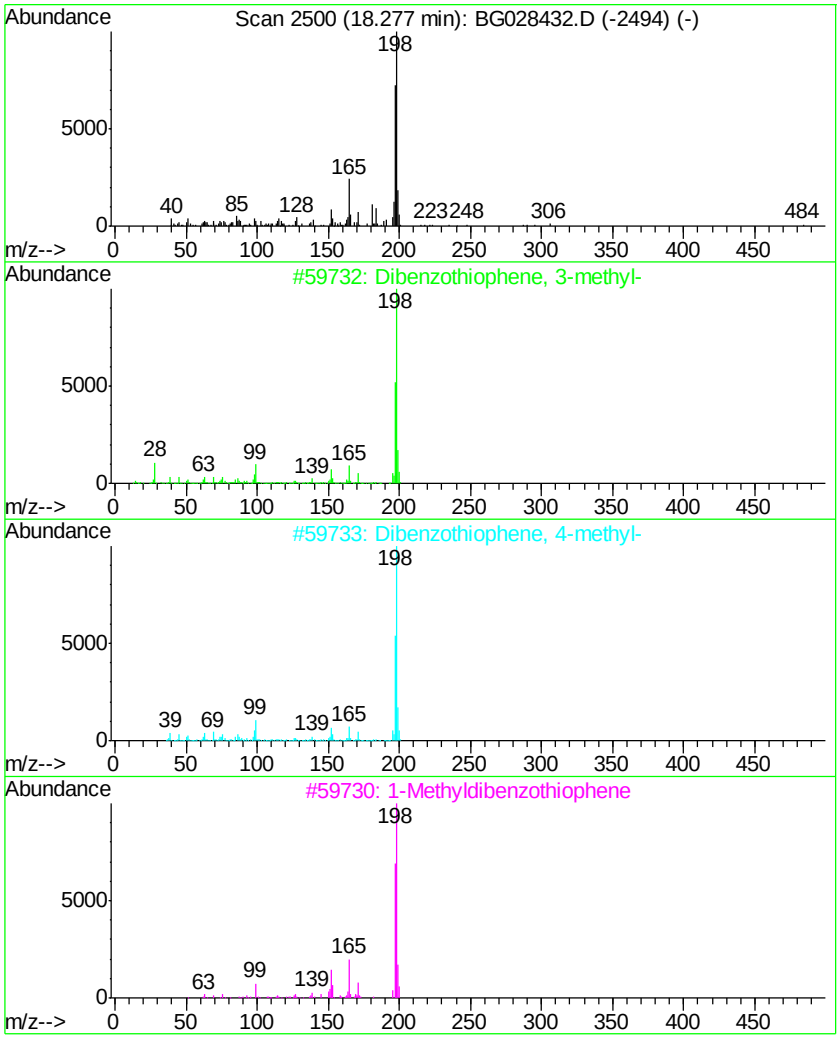
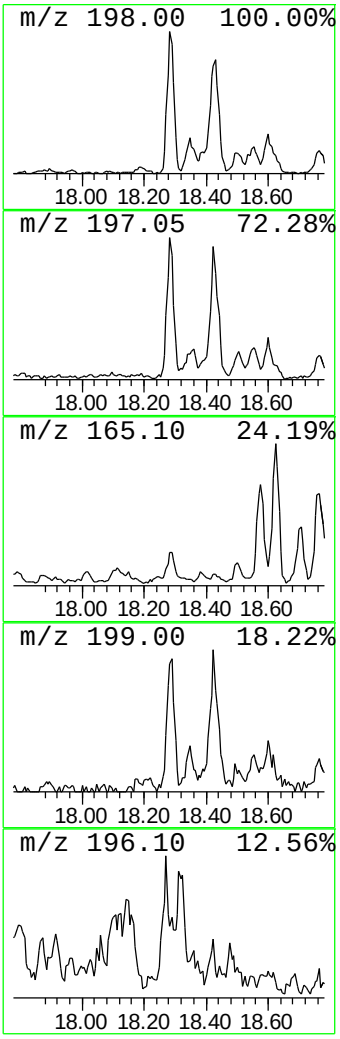
Peak Number 18 Dibenzothiophene, 3-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	7.13 ng/ul	283662	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	72
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	64
4	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	59
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	59





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Quant Title : SVOA CALIBRATION

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

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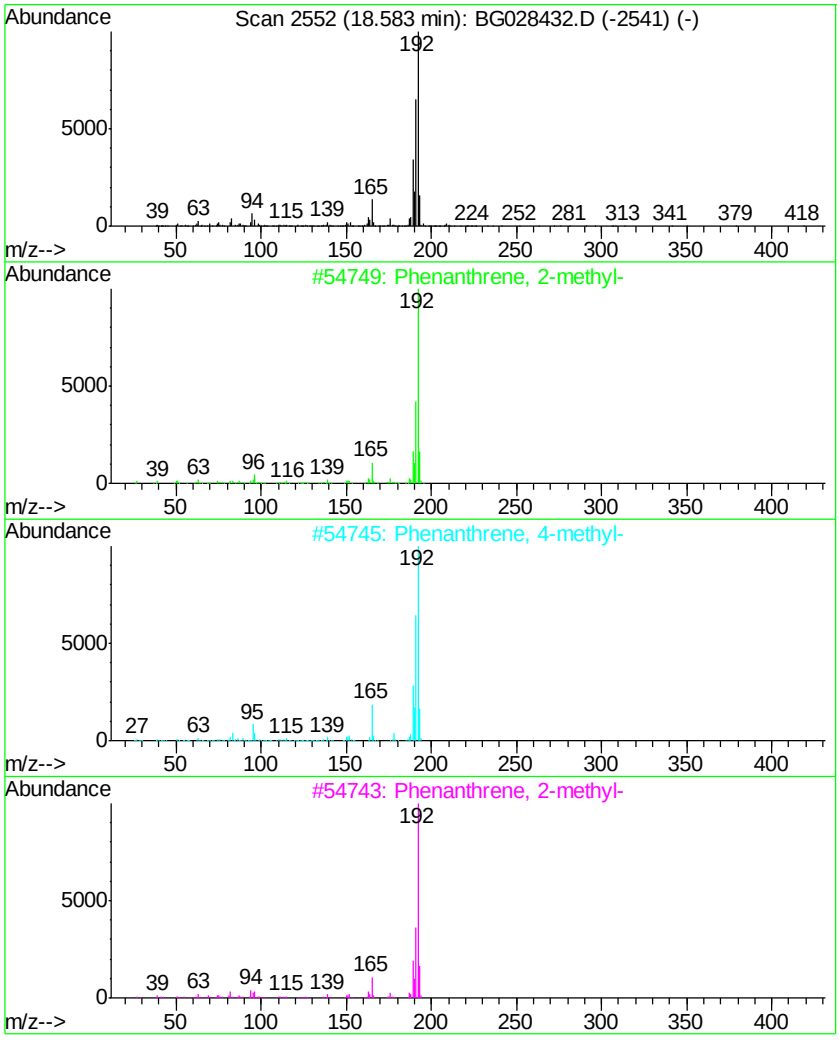
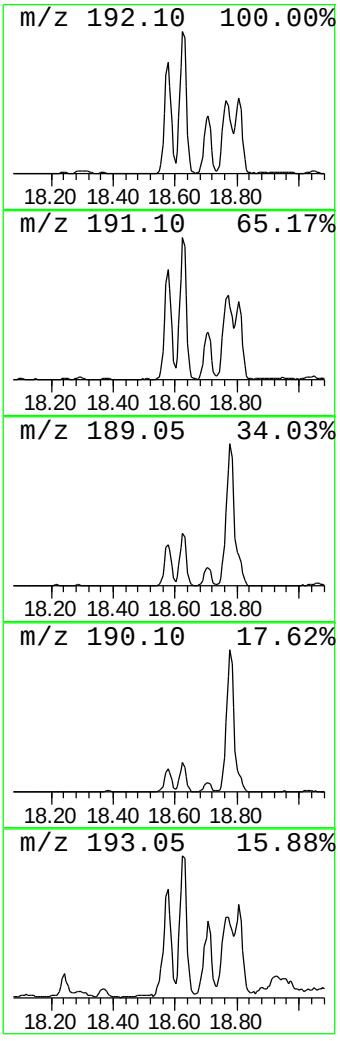
Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	41.95 ng/ul	1668120	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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ALS Vial : 21 Sample Multiplier: 1

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

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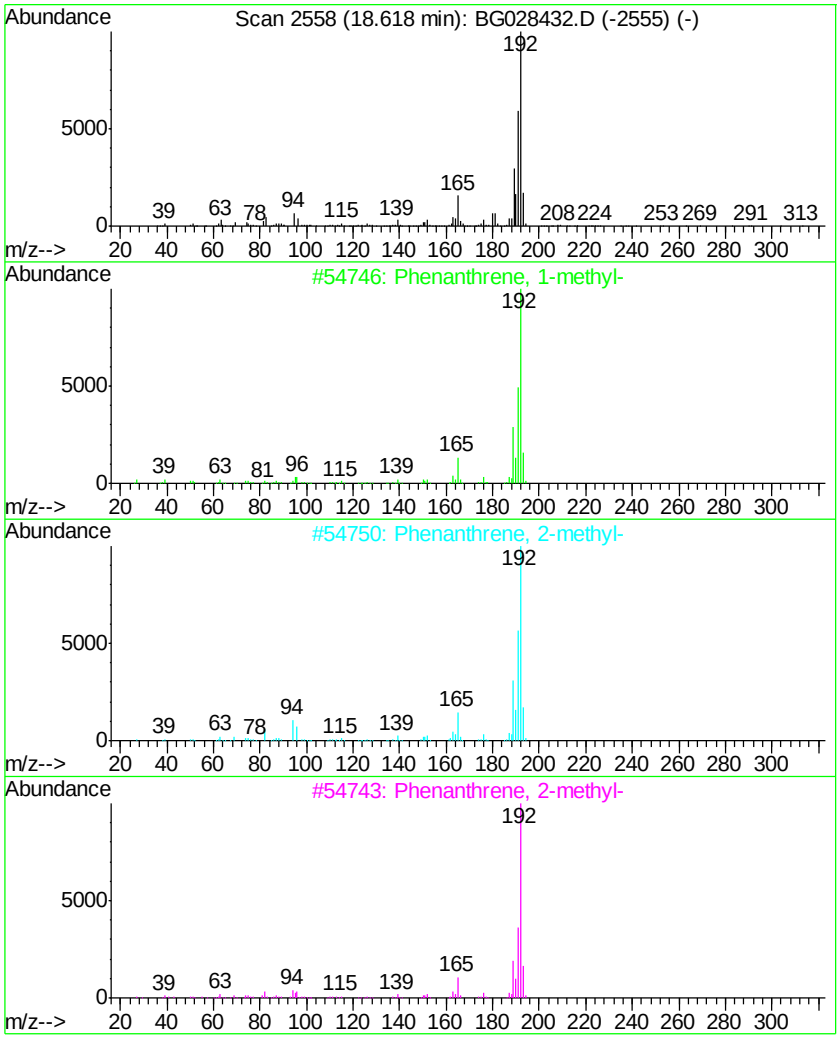
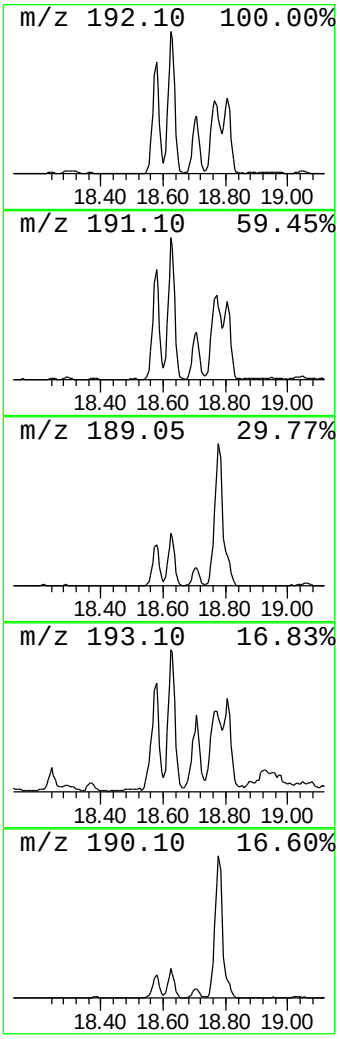
Peak Number 20 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	51.13 ng/ul	2033050	Phenanthrene-d10	17.71

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	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Data File : BG028432.D
Acq On : 23 Aug 2017 00:37
Operator : SJ/JU
Sample : I4827-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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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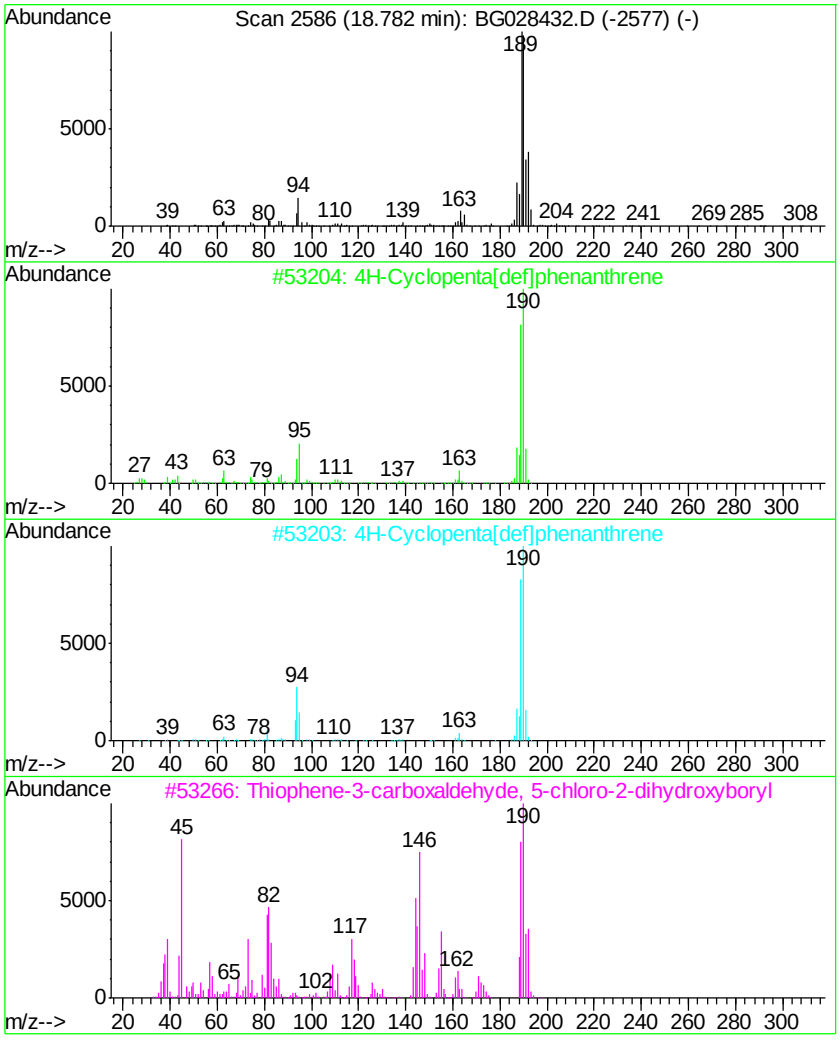
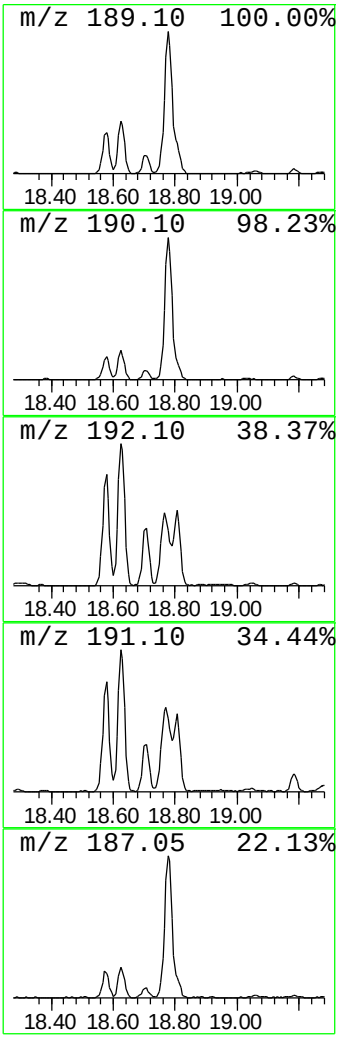
Peak Number 22 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	95.30 ng/ul	3789050	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	86
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





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Sample : I4827-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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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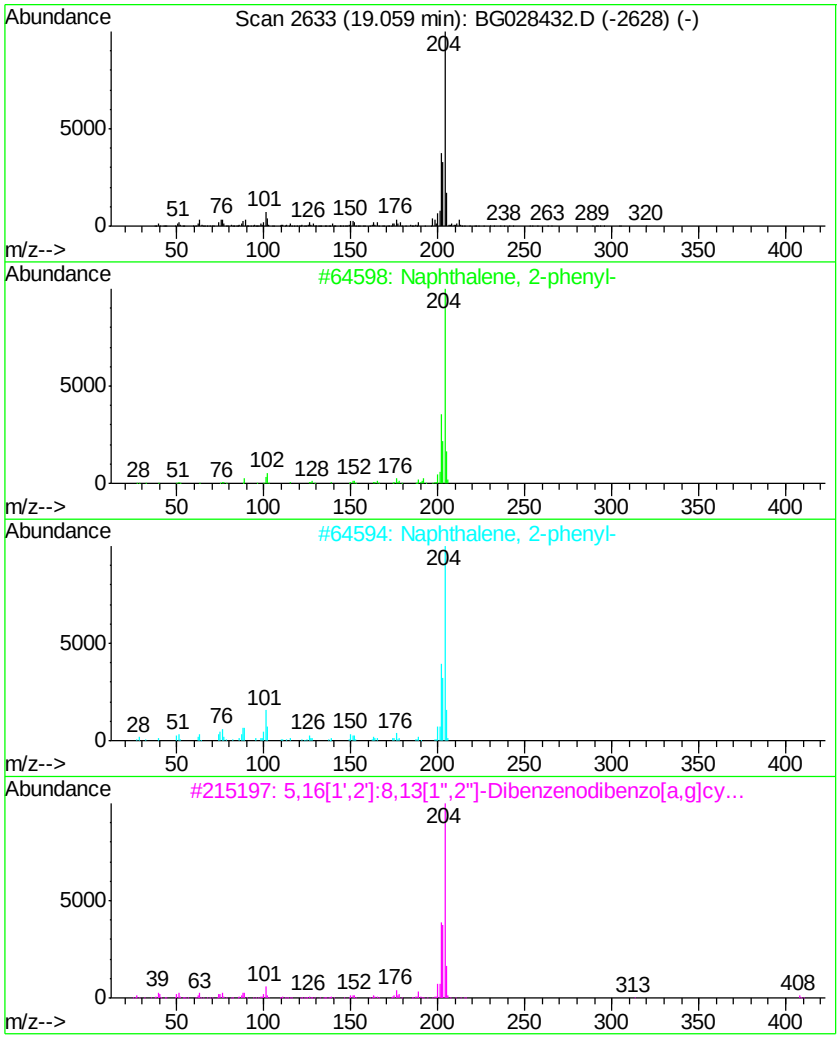
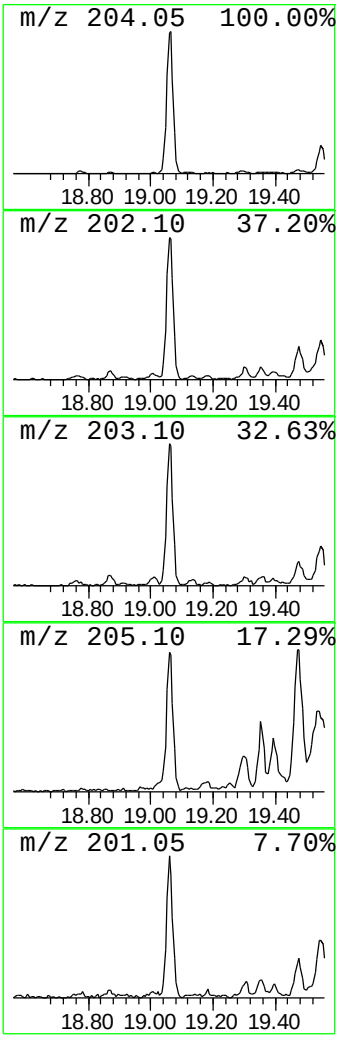
Peak Number 23 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	26.65 ng/ul	1059740	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78





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Sample : I4827-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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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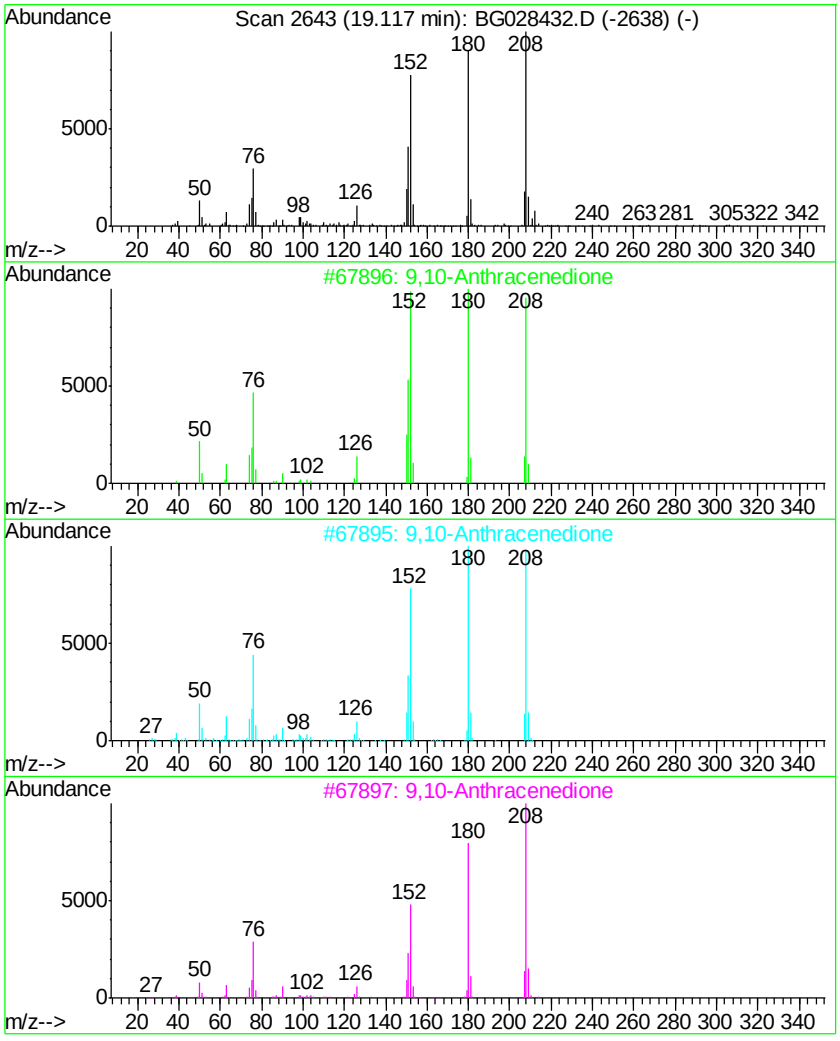
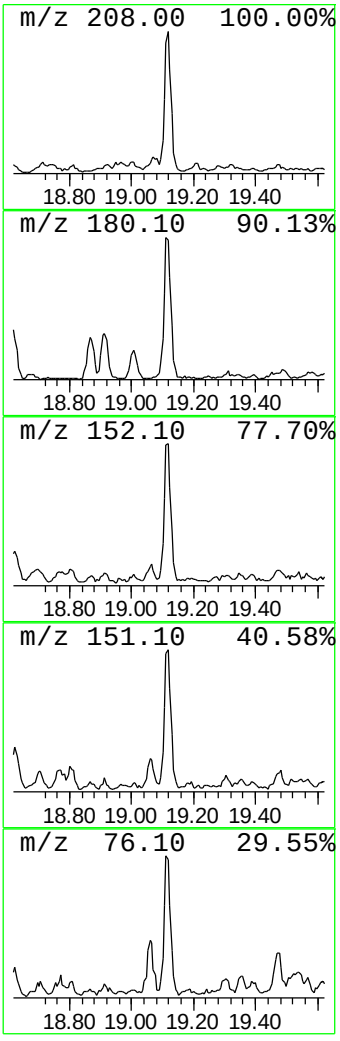
Peak Number 24 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	15.10 ng/ul	600206	Phenanthrene-d10	17.71

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	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64





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Sample : I4827-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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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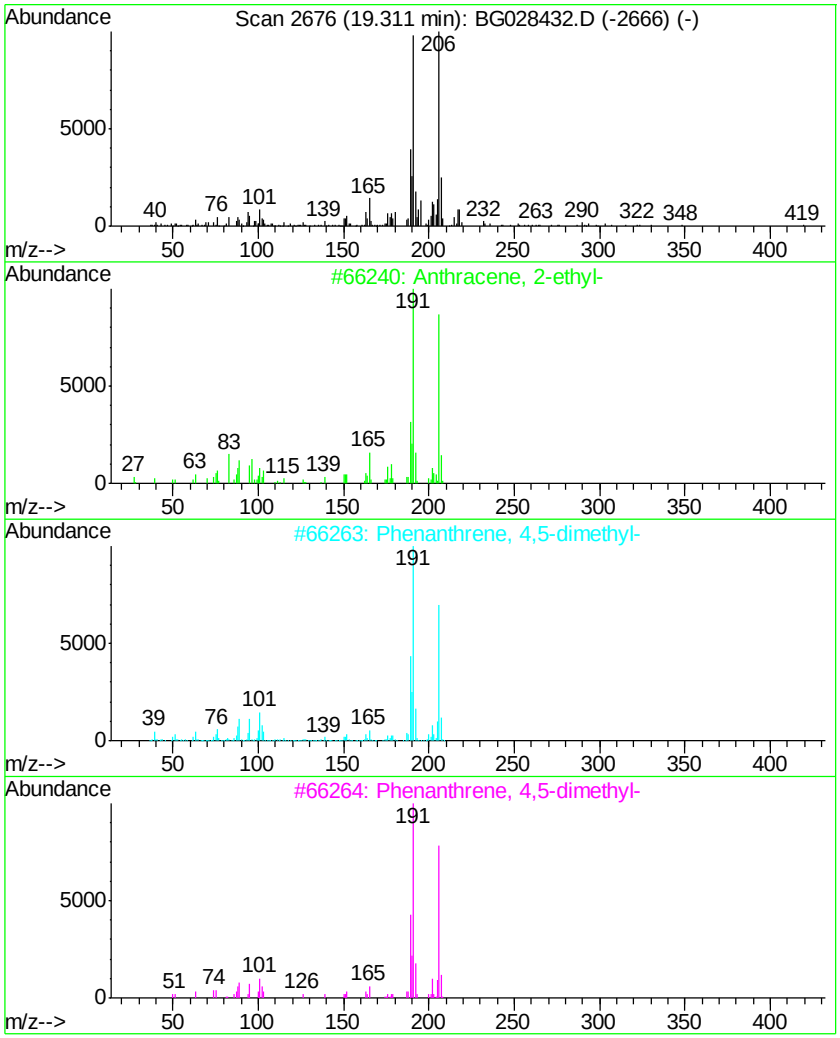
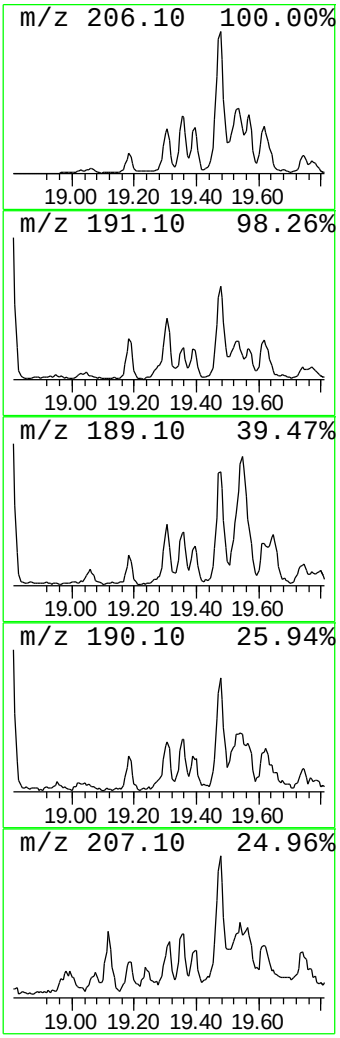
Peak Number 25 Anthracene, 2-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	11.60 ng/ul	461255	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89





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Acq On : 23 Aug 2017 00:37
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Sample : I4827-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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Quant Title : SVOA CALIBRATION

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

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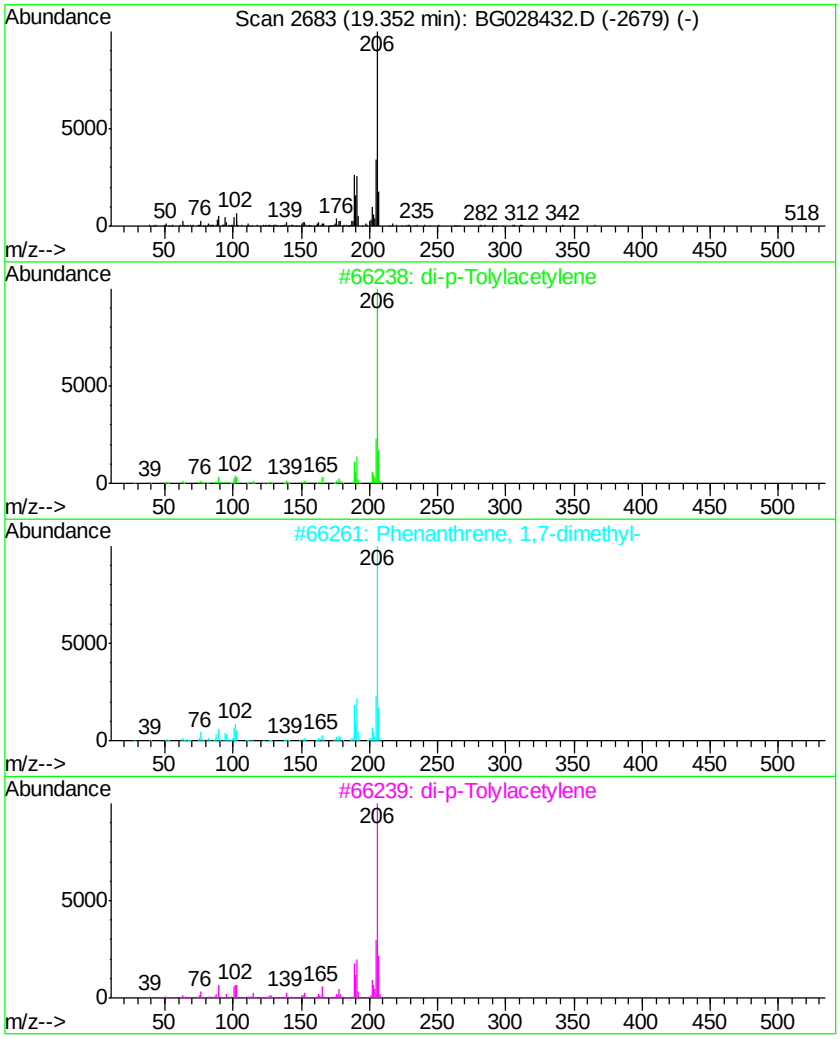
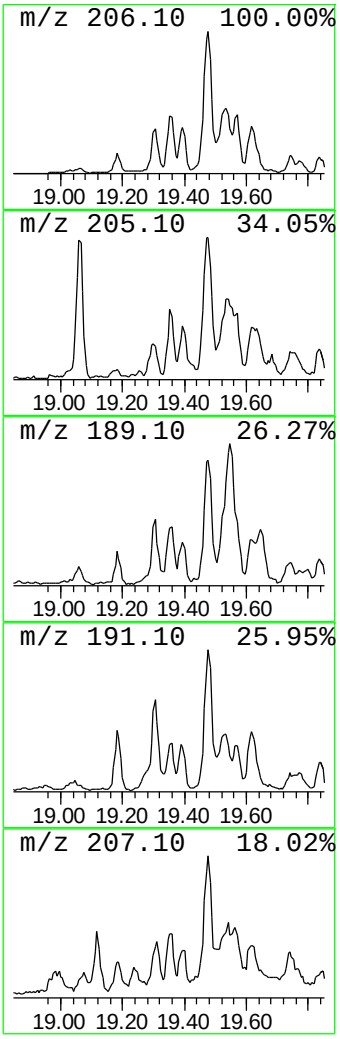
Peak Number 26 di-p-Tolylacetylene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	9.01 ng/ul	358311	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	81





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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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Quant Title : SVOA CALIBRATION

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

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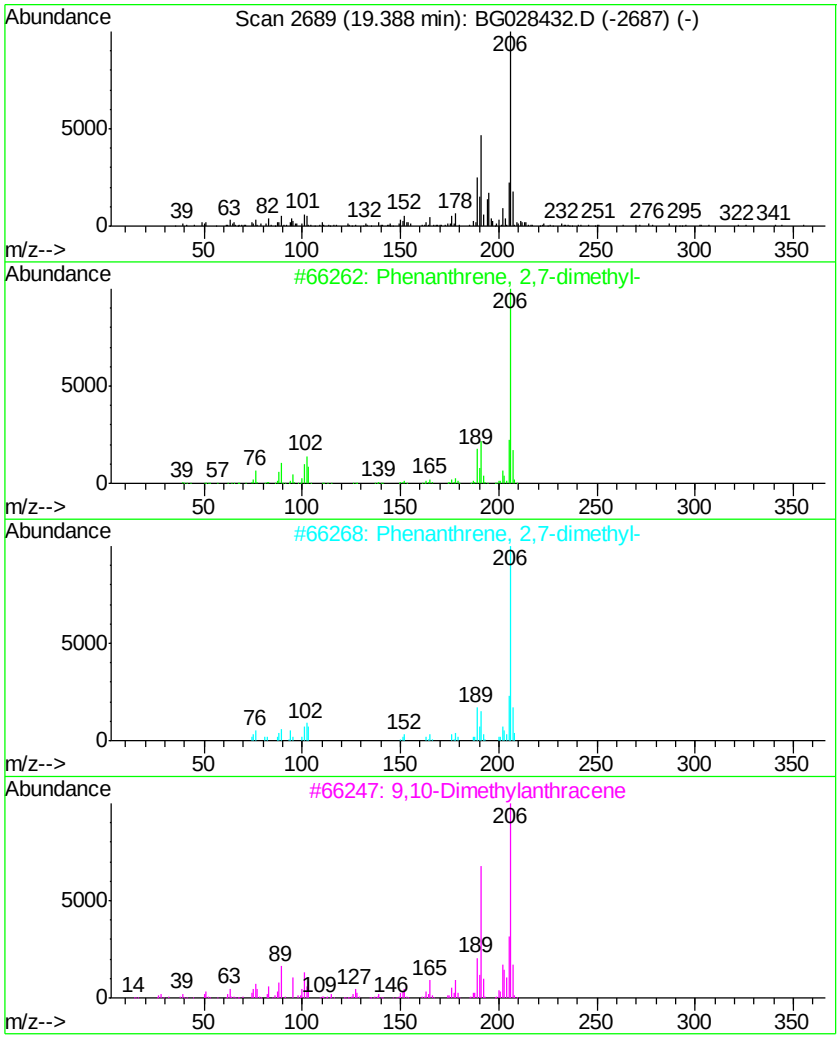
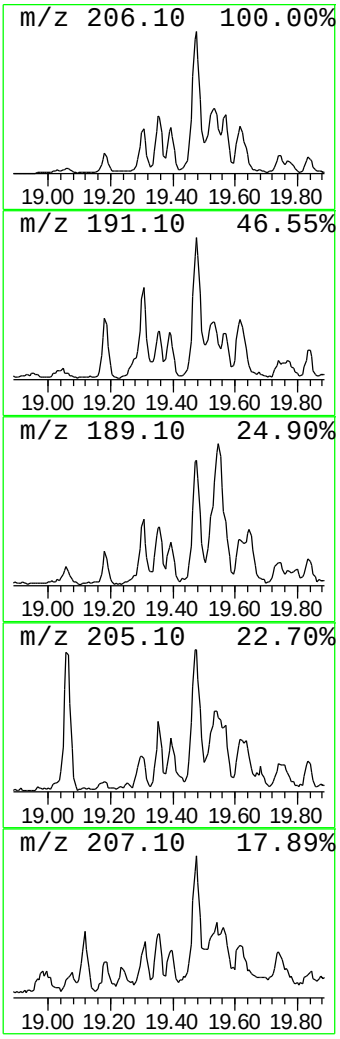
Peak Number 27 Phenanthrene, 2,7-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	6.03 ng/ul	239599	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81





Library Search Compound Report

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Sample : I4827-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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Quant Title : SVOA CALIBRATION

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

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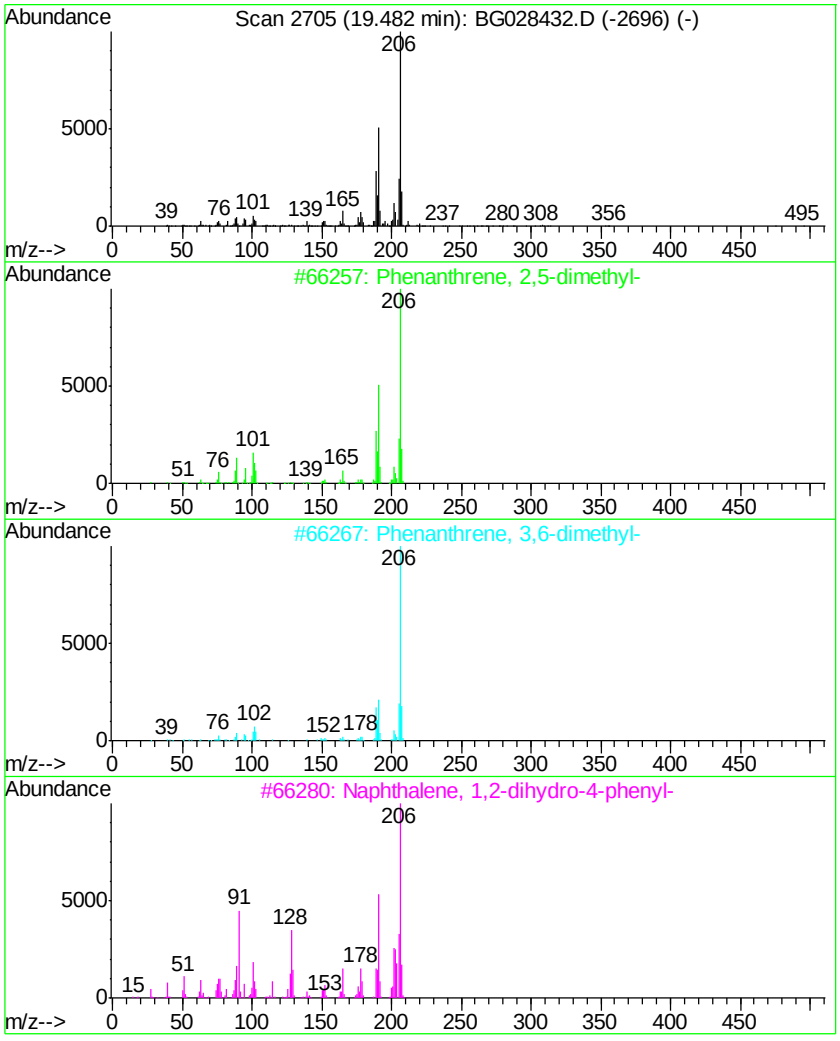
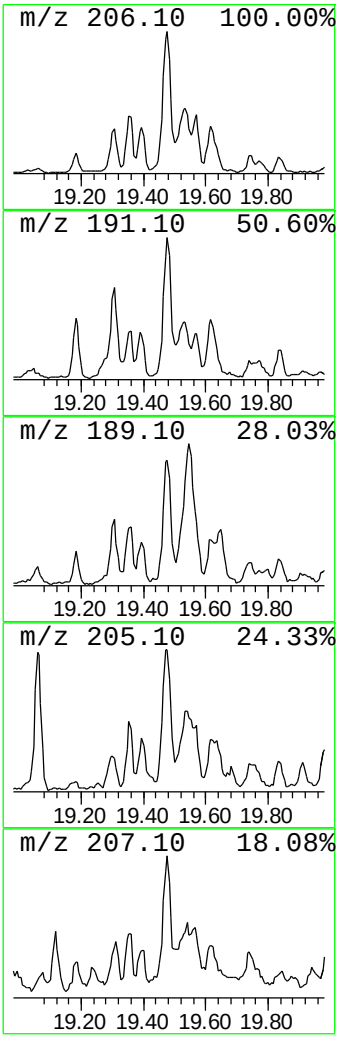
Peak Number 28 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.48	26.95 ng/ul	1071590	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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ALS Vial : 21 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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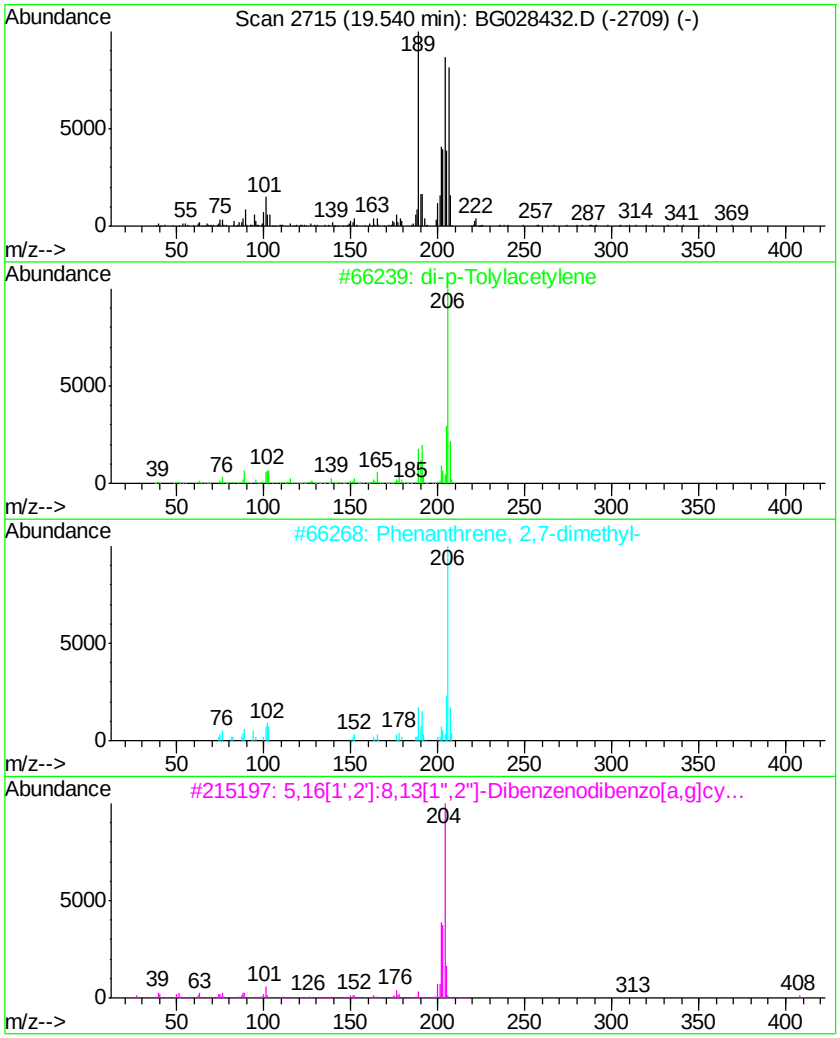
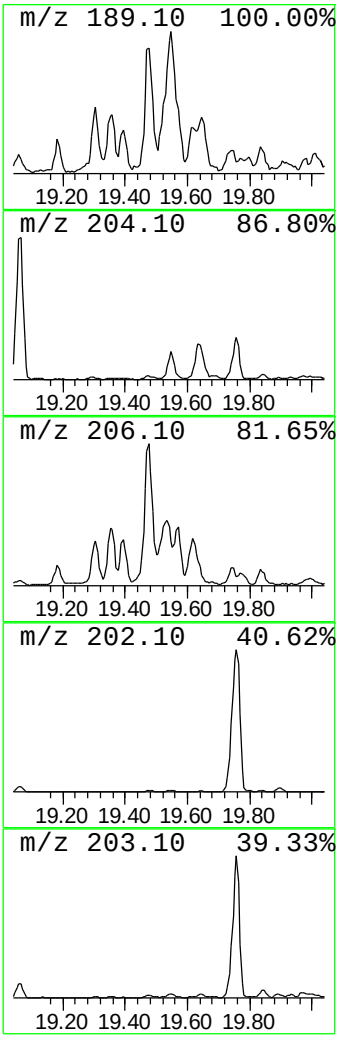
Peak Number 29 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	22.04 ng/ul	876238	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	35
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	35
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	35
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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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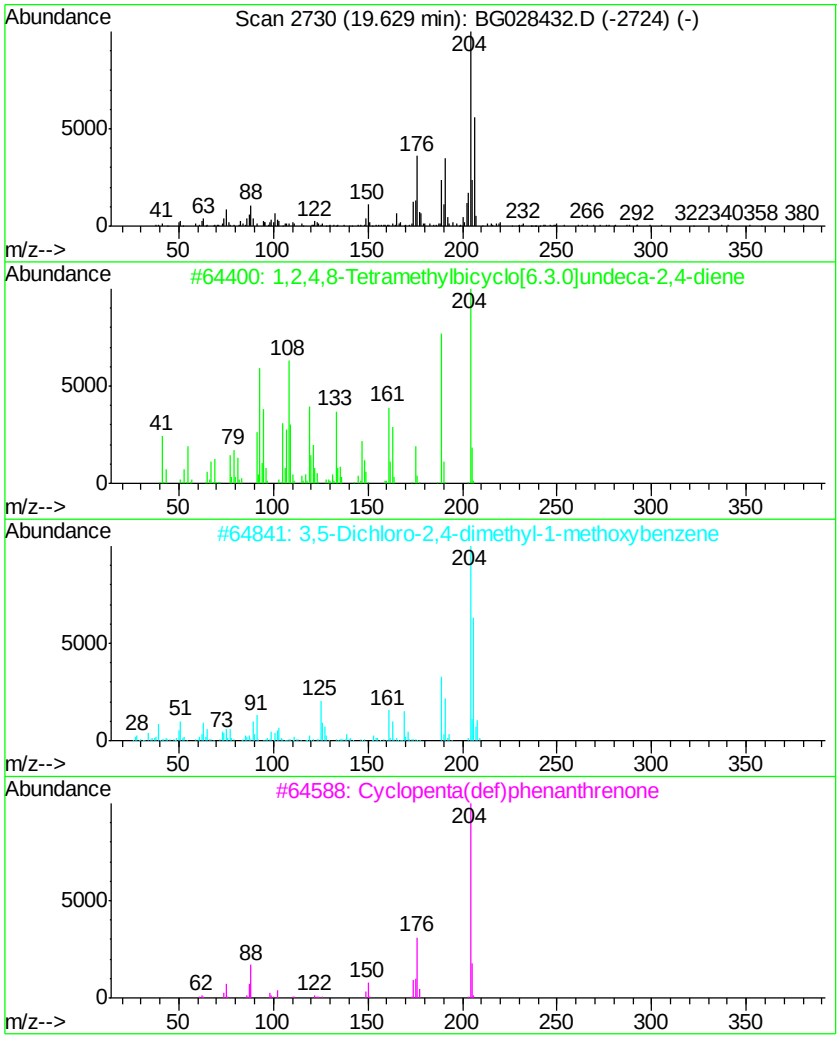
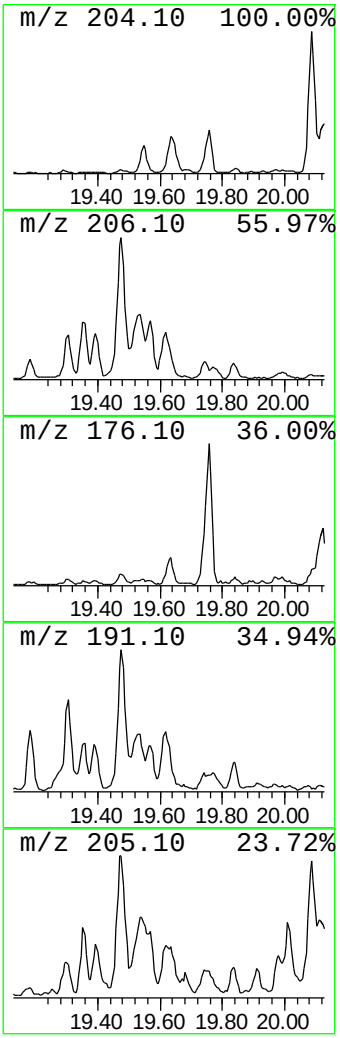
Peak Number 30 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	15.29 ng/ul	608005	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	87
2	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	53
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38





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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

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Peak Number 31 9-Anthracenecarbonitrile Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	8.21 ng/ul	326338	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	70
2	4-Azapyrene	203	C15H9N	000194-03-6	46
3	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	42
4	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	42
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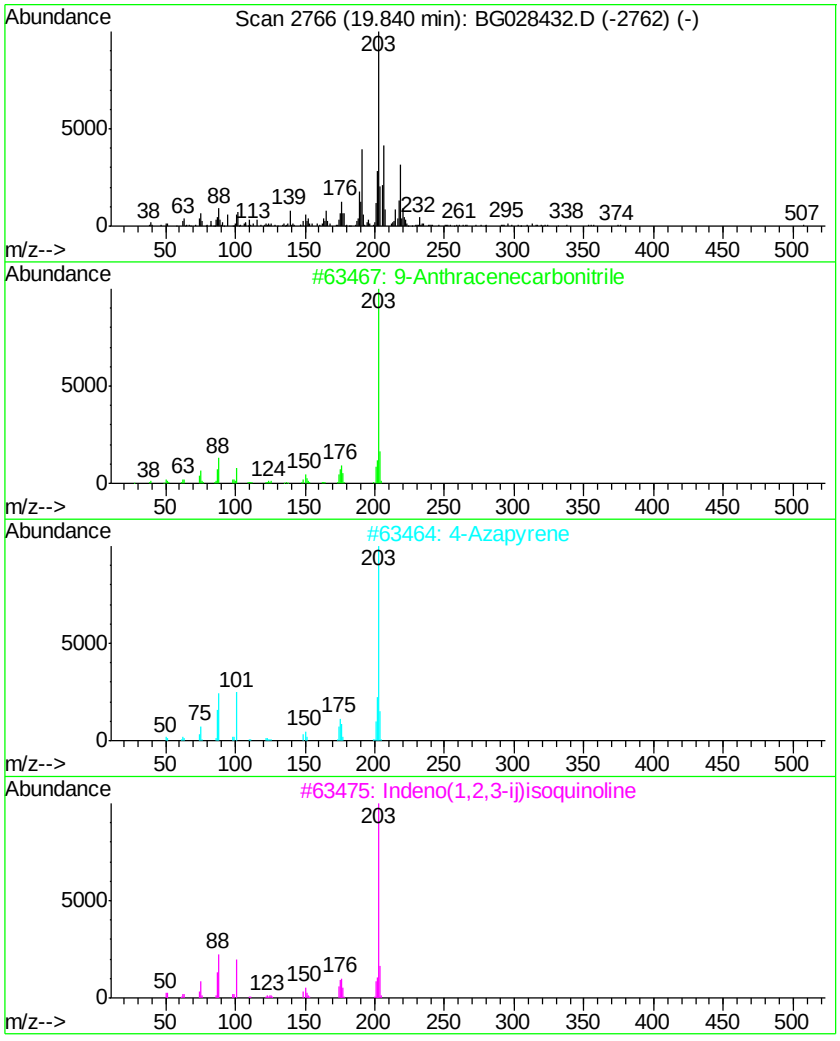

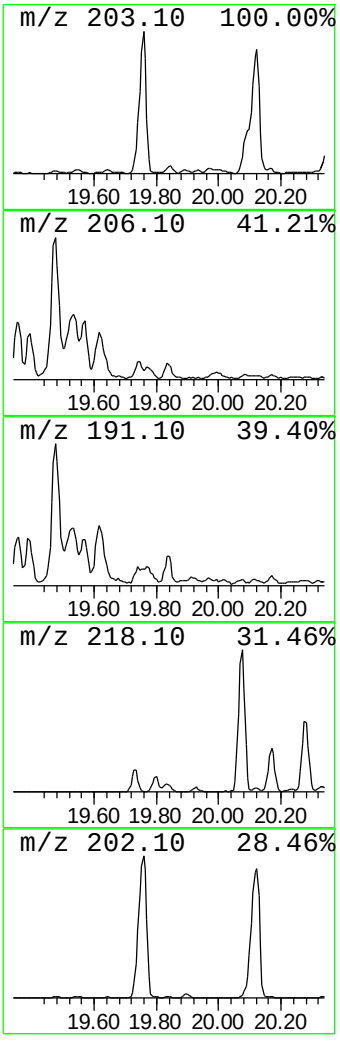

Tentatively Identified Compound (LSC) summary

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Data File : BG028432.D
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Operator : SJ/JU
Sample : I4827-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4

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
Naphthalene, 1-me...	13.01	12.4	ng/ul	300634	2	11.16	483679	20.0
Naphthalene, 1,3-...	14.13	7.4	ng/ul	264609	3	14.95	718857	20.0
Naphthalene, 2,3-...	14.27	10.4	ng/ul	371996	3	14.95	718857	20.0
Benzene, [1-(2,4-...	16.12	6.2	ng/ul	223352	3	14.95	718857	20.0
Diphenylmethane	16.16	6.8	ng/ul	245600	3	14.95	718857	20.0
Dibenzofuran, 4-m...	16.29	15.5	ng/ul	557173	3	14.95	718857	20.0
Naphthalene, 1,2,...	16.63	6.3	ng/ul	248693	4	17.71	795194	20.0
9H-Fluorene, 1-me...	17.00	16.0	ng/ul	636738	4	17.71	795194	20.0
9H-Fluorene, 3-me...	17.15	5.8	ng/ul	228570	4	17.71	795194	20.0
Pentamethylmelamine	17.22	7.8	ng/ul	310850	4	17.71	795194	20.0
4,6(1H,5H)-Pyrimi...	17.27	5.7	ng/ul	227419	4	17.71	795194	20.0
9H-Fluoren-9-one	17.35	8.6	ng/ul	341579	4	17.71	795194	20.0
Phenol, 4-(2-phen...	17.43	12.8	ng/ul	506776	4	17.71	795194	20.0
Naphtho[2,1-b]thi...	17.52	17.3	ng/ul	687604	4	17.71	795194	20.0
Dibenzothiophene,...	18.28	7.1	ng/ul	283662	4	17.71	795194	20.0
Phenanthrene, 2-m...	18.58	42.0	ng/ul	1668120	4	17.71	795194	20.0
Phenanthrene, 1-m...	18.62	51.1	ng/ul	2033050	4	17.71	795194	20.0
4H-Cyclopenta[def...	18.78	95.3	ng/ul	3789050	4	17.71	795194	20.0
Naphthalene, 2-ph...	19.06	26.6	ng/ul	1059740	4	17.71	795194	20.0
9,10-Anthracenedione	19.12	15.1	ng/ul	600206	4	17.71	795194	20.0
Anthracene, 2-ethyl-	19.31	11.6	ng/ul	461255	4	17.71	795194	20.0
di-p-Tolylacetylene	19.35	9.0	ng/ul	358311	4	17.71	795194	20.0
Phenanthrene, 2,7...	19.39	6.0	ng/ul	239599	4	17.71	795194	20.0
Phenanthrene, 2,5...	19.48	26.9	ng/ul	1071590	4	17.71	795194	20.0
unknown-01	19.54	22.0	ng/ul	876238	4	17.71	795194	20.0
1,2,4,8-Tetrameth...	19.63	15.3	ng/ul	608005	4	17.71	795194	20.0
9-Anthracenecarbo...	19.84	8.2	ng/ul	326338	4	17.71	795194	20.0