LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
Data File : BG042183.D
Acq On : 13 Aug 2019 16:33
Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.141	5	9	33	rVB	1294436	2096891	26.88%	2.051%
2	7.183	690	697	712	rBV2	170611	373833	4.79%	0.366%
3	7.342	717	724	733	rBV	133900	234555	3.01%	0.229%
4	7.554	753	760	773	rBV	206125	367381	4.71%	0.359%
5	8.024	833	840	848	rBV	231518	402086	5.15%	0.393%
6	8.735	953	961	969	rBV	230467	430679	5.52%	0.421%
7	9.187	1031	1038	1048	rBV	185709	339252	4.35%	0.332%
8	9.921	1155	1163	1173	rBV	164908	311467	3.99%	0.305%
9	10.468	1247	1256	1265	rBV	287048	554830	7.11%	0.543%
10	10.850	1311	1321	1326	rVV	332013	625078	8.01%	0.611%
11	10.897	1326	1329	1336	rVV	148519	256949	3.29%	0.251%
12	10.979	1336	1343	1362	rVB	188023	408235	5.23%	0.399%
13	12.507	1597	1603	1616	rBV	102490	178631	2.29%	0.175%
14	12.730	1632	1641	1651	rVB	111027	188066	2.41%	0.184%
15	13.864	1823	1834	1842	rBV2	48215	128936	1.65%	0.126%
16	14.005	1848	1858	1863	rBV2	113317	219487	2.81%	0.215%
17	14.087	1863	1872	1876	rVV	548022	936057	12.00%	0.916%
18	14.128	1876	1879	1887	rVV	195404	286678	3.67%	0.280%
19	14.381	1915	1922	1925	rBV	672595	1177532	15.09%	1.152%
20	14.686	1964	1974	1980	rVV2	575243	972472	12.46%	0.951%
21	14.751	1980	1985	1991	rVV	316351	500878	6.42%	0.490%
22	14.886	2002	2008	2018	rBV2	117315	261053	3.35%	0.255%
23	15.086	2035	2042	2049	rVV	352053	602512	7.72%	0.589%
24	15.303	2071	2079	2084	rBV2	59283	114602	1.47%	0.112%
25	15.679	2134	2143	2148	rVV	912443	1431679	18.35%	1.401%
26	15.732	2148	2152	2159	rVV	629654	1000641	12.83%	0.979%
27	15.803	2159	2164	2170	rVV2	123644	241092	3.09%	0.236%
28	15.897	2177	2180	2185	rVV3	61502	113862	1.46%	0.111%
29	16.032	2198	2203	2212	rVB	170510	276199	3.54%	0.270%
30	16.179	2221	2228	2236	rVB	190815	390045	5.00%	0.382%
31	16.267	2236	2243	2250	rVB4	47182	114582	1.47%	0.112%
32	16.743	2311	2324	2328	rBV4	141232	385191	4.94%	0.377%
33	16.972	2355	2363	2366	rBV3	99609	182505	2.34%	0.179%
34	17.089	2378	2383	2391	rVB	186627	301702	3.87%	0.295%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
Data File : BG042183.D
Acq On : 13 Aug 2019 16:33
Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	17.166	2391	2396	2403	rBV3	105487	238638	3.06%	0.233%
36	17.254	2406	2411	2420	rVB	309262	524128	6.72%	0.513%
37	17.442	2437	2443	2446	rBV2	617273	1124552	14.41%	1.100%
38	17.489	2446	2451	2456	rVV	4138868	6956061	89.16%	6.805%
39	17.542	2456	2460	2463	rVV	1038396	1678923	21.52%	1.642%
40	17.577	2463	2466	2471	rVV	1254318	1670056	21.41%	1.634%
41	17.630	2471	2475	2480	rVB	218039	349979	4.49%	0.342%
42	17.842	2501	2511	2516	rBV2	731084	1406327	18.02%	1.376%
43	18.024	2538	2542	2549	rVB3	78493	124575	1.60%	0.122%
44	18.317	2582	2592	2596	rBV	616720	1053279	13.50%	1.030%
45	18.364	2596	2600	2608	rVB	827440	1251806	16.04%	1.225%
46	18.447	2608	2614	2619	rVB	328258	488613	6.26%	0.478%
47	18.517	2619	2626	2629	rBV3	921506	1698877	21.77%	1.662%
48	18.547	2629	2631	2637	rVB	405801	489994	6.28%	0.479%
49	18.617	2638	2643	2646	rBV2	77345	130094	1.67%	0.127%
50	18.658	2646	2650	2654	rVB2	90797	114768	1.47%	0.112%
51	18.811	2671	2676	2680	rVV	479573	648703	8.31%	0.635%
52	18.852	2680	2683	2688	rVB	399158	564886	7.24%	0.553%
53	19.058	2714	2718	2722	rVV3	138485	178456	2.29%	0.175%
54	19.105	2723	2726	2730	rVV	107865	155349	1.99%	0.152%
55	19.146	2730	2733	2737	rVB2	119727	157283	2.02%	0.154%
56	19.228	2742	2747	2753	rBV2	284574	567004	7.27%	0.555%
57	19.293	2755	2758	2762	rBV2	102743	145482	1.86%	0.142%
58	19.369	2767	2771	2780	rVB2	212789	424071	5.44%	0.415%
59	19.504	2786	2794	2799	rBV	4719326	7802128	100.00%	7.633%
60	19.592	2805	2809	2813	rVB	189718	258144	3.31%	0.253%
61	19.639	2813	2817	2821	rBV	180971	252755	3.24%	0.247%
62	19.692	2821	2826	2828	rBV4	112101	182044	2.33%	0.178%
63	19.733	2830	2833	2838	rVB	161995	229344	2.94%	0.224%
64	19.827	2843	2849	2851	rVV3	2046563	3085748	39.55%	3.019%
65	19.863	2851	2855	2861	rVV	4097420	6744881	86.45%	6.598%
66	19.921	2861	2865	2872	rVB2	311579	538124	6.90%	0.526%
67	20.033	2879	2884	2890	rBV	348603	523421	6.71%	0.512%
68	20.092	2890	2894	2900	rVB	425807	655196	8.40%	0.641%
69	20.174	2902	2908	2909	rBV	383828	576260	7.39%	0.564%
70	20.227	2914	2917	2921	rVB	125061	145246	1.86%	0.142%
71	20.268	2921	2924	2926	rBV	88803	118632	1.52%	0.116%

LSC Area Percent Report

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Acq On : 13 Aug 2019 16:33
Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	20.309	2926	2931	2933	rVV3	263895	464790	5.96%	0.455%
73	20.344	2934	2937	2942	rVB	913028	1265738	16.22%	1.238%
74	20.392	2942	2945	2949	rBV2	81881	116879	1.50%	0.114%
75	20.444	2950	2954	2958	rBV	645453	914694	11.72%	0.895%
76	20.503	2958	2964	2969	rVB2	498934	936610	12.00%	0.916%
77	20.585	2975	2978	2982	rVB3	126184	160154	2.05%	0.157%
78	20.644	2984	2988	2992	rVV	308611	435309	5.58%	0.426%
79	20.691	2992	2996	3000	rVB2	272064	403535	5.17%	0.395%
80	20.903	3028	3032	3035	rBV3	125035	223915	2.87%	0.219%
81	20.944	3036	3039	3042	rVV5	115640	178545	2.29%	0.175%
82	21.067	3057	3060	3063	rBV	101385	140393	1.80%	0.137%
83	21.114	3064	3068	3074	rVB	398755	660179	8.46%	0.646%
84	21.296	3093	3099	3103	rBV3	419406	805011	10.32%	0.788%
85	21.337	3103	3106	3110	rVV2	456677	755282	9.68%	0.739%
86	21.390	3110	3115	3120	rVV2	582021	1233080	15.80%	1.206%
87	21.449	3120	3125	3134	rVB2	397691	857692	10.99%	0.839%
88	21.713	3159	3170	3176	rBV3	2750415	6621480	84.87%	6.478%
89	21.778	3176	3181	3193	rVB	2248955	4166367	53.40%	4.076%
90	21.925	3202	3206	3213	rBV	380916	646133	8.28%	0.632%
91	22.137	3236	3242	3250	rBV2	396971	838758	10.75%	0.821%
92	22.466	3295	3298	3304	rVB	415933	676337	8.67%	0.662%
93	22.542	3306	3311	3318	rVB4	305244	606879	7.78%	0.594%
94	22.742	3341	3345	3349	rBV2	192015	346810	4.45%	0.339%
95	23.976	3545	3555	3562	rBV	1673983	6024815	77.22%	5.894%
96	24.228	3591	3598	3605	rVB	420379	939557	12.04%	0.919%
97	24.710	3672	3680	3687	rBV2	883818	2527980	32.40%	2.473%
98	24.863	3699	3706	3718	rVB	1659008	4661290	59.74%	4.560%
99	25.010	3724	3731	3737	rBV2	403939	1146539	14.70%	1.122%
100	28.770	4359	4371	4393	rVB3	697995	3807426	48.80%	3.725%

Sum of corrected areas: 102221642

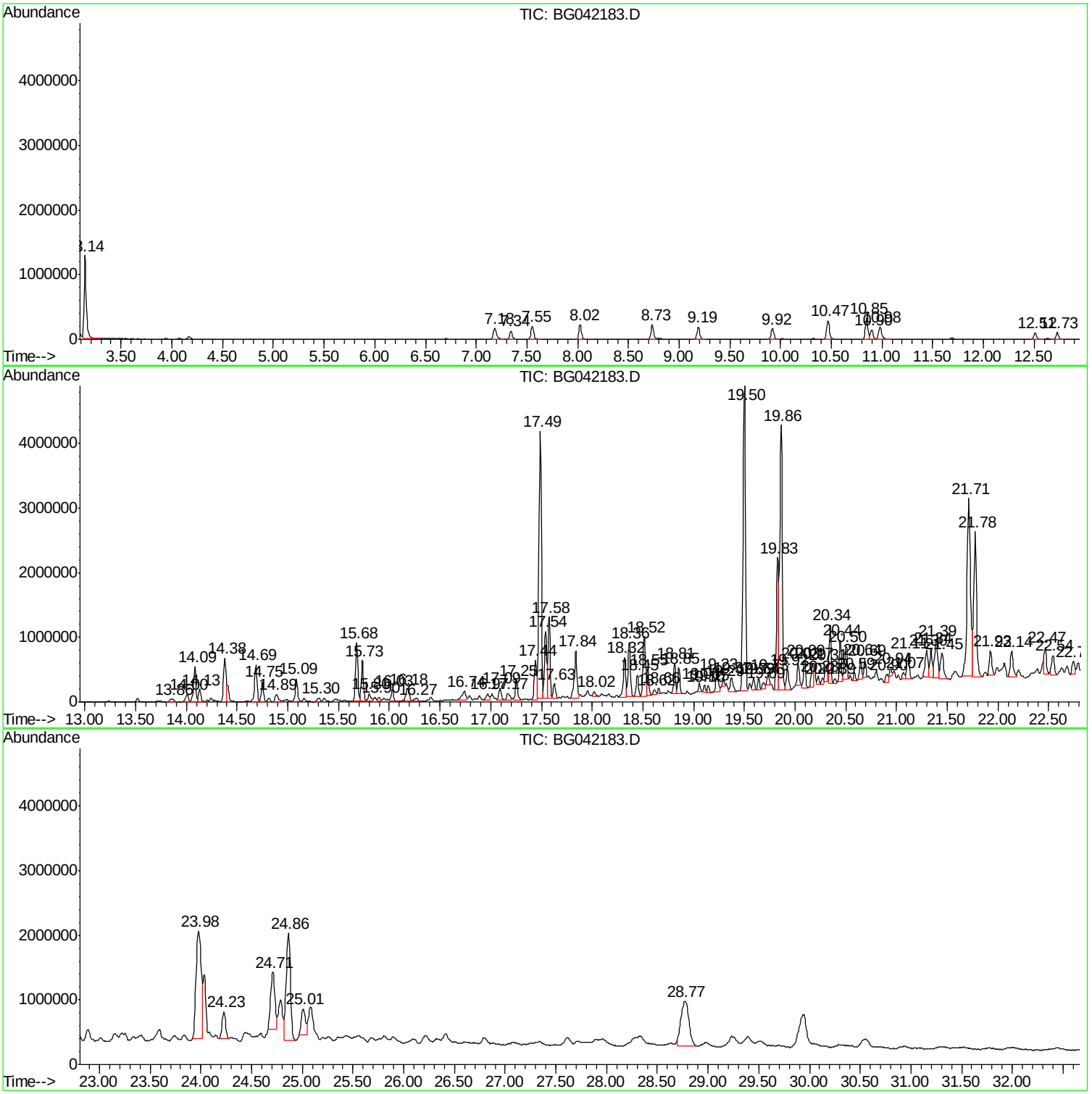
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
Data File : BG042183.D
Acq On : 13 Aug 2019 16:33
Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
Data File : BG042183.D
Acq On : 13 Aug 2019 16:33
Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

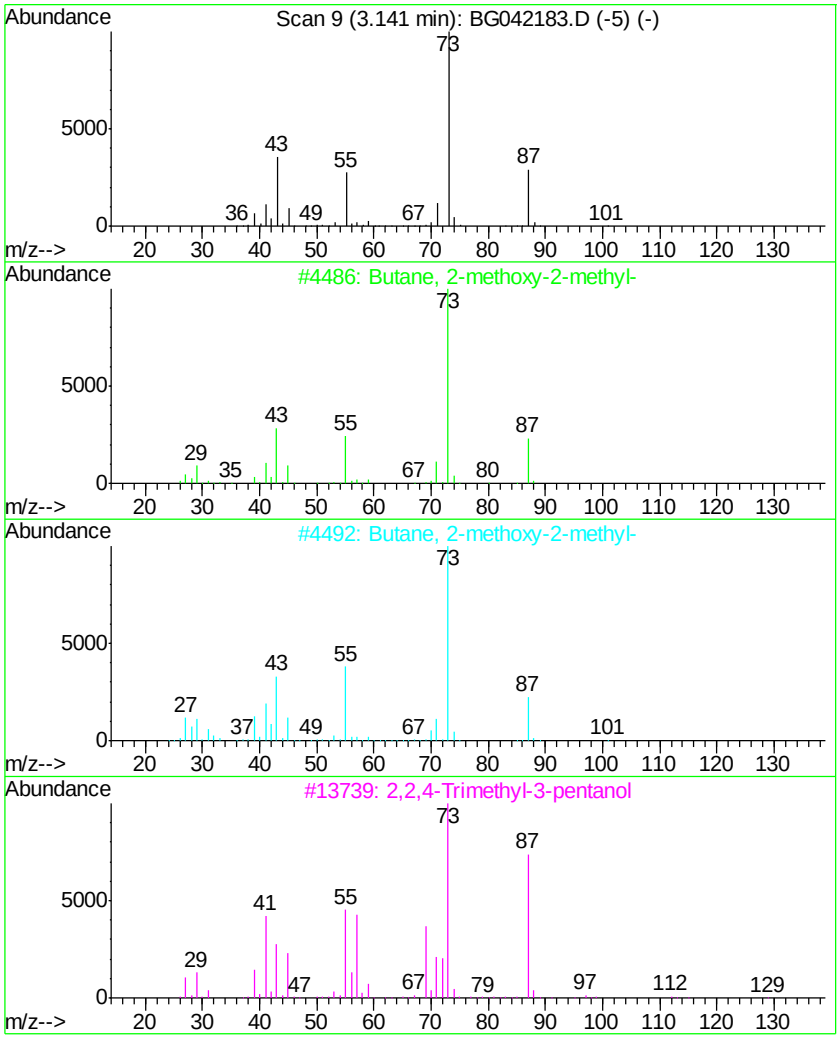
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

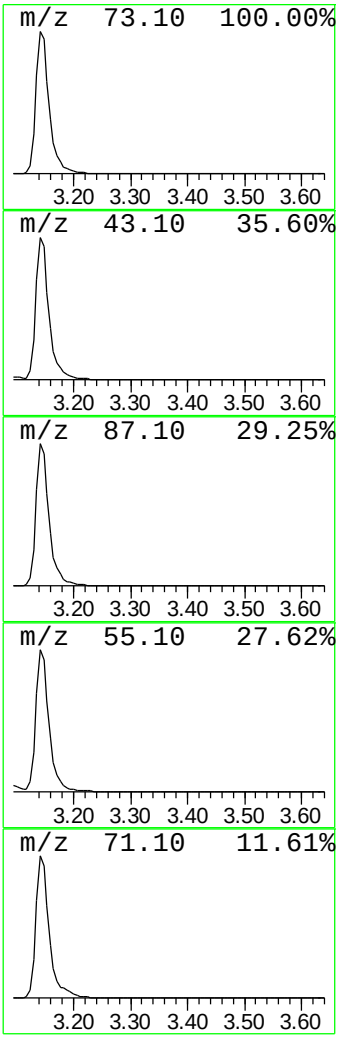
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	104.30 ng/ul	2096890	1,4-Dichlorobenzene-d4	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
Data File : BG042183.D
Acq On : 13 Aug 2019 16:33
Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

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

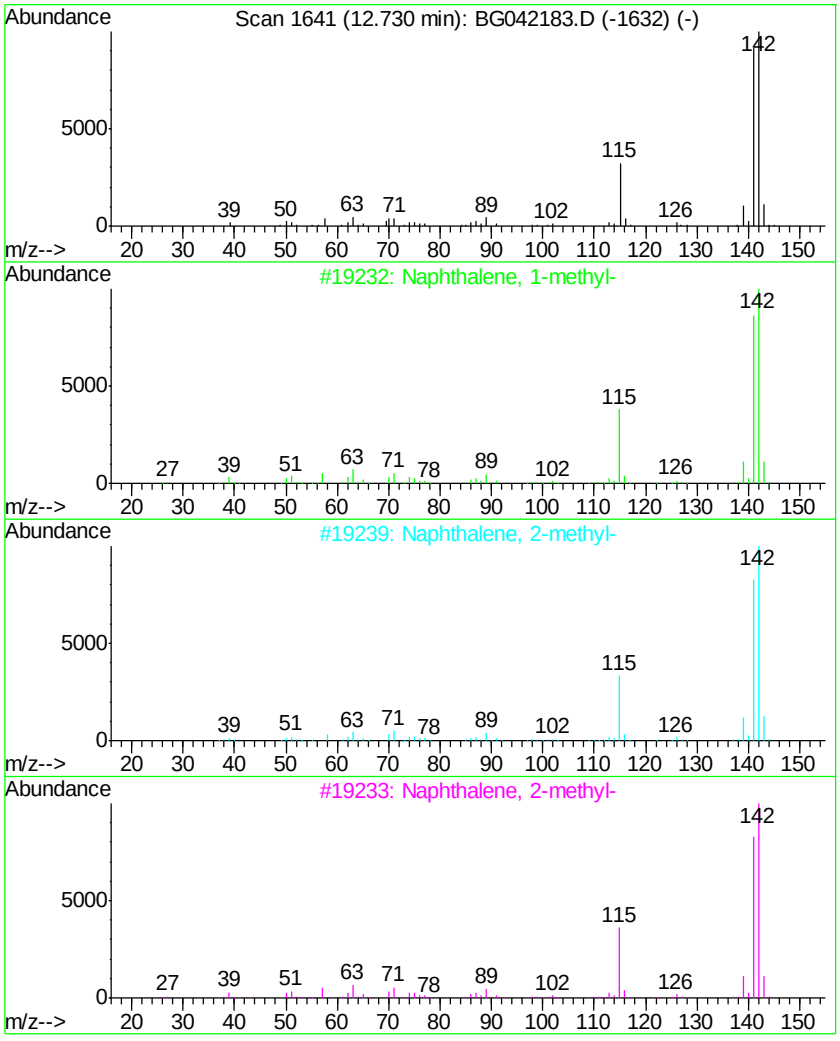
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

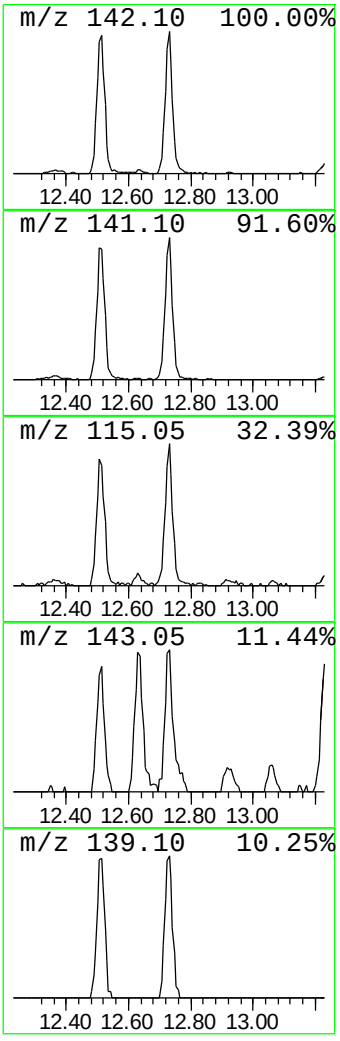
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	6.02 ng/ul	188066	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
Data File : BG042183.D
Acq On : 13 Aug 2019 16:33
Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

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

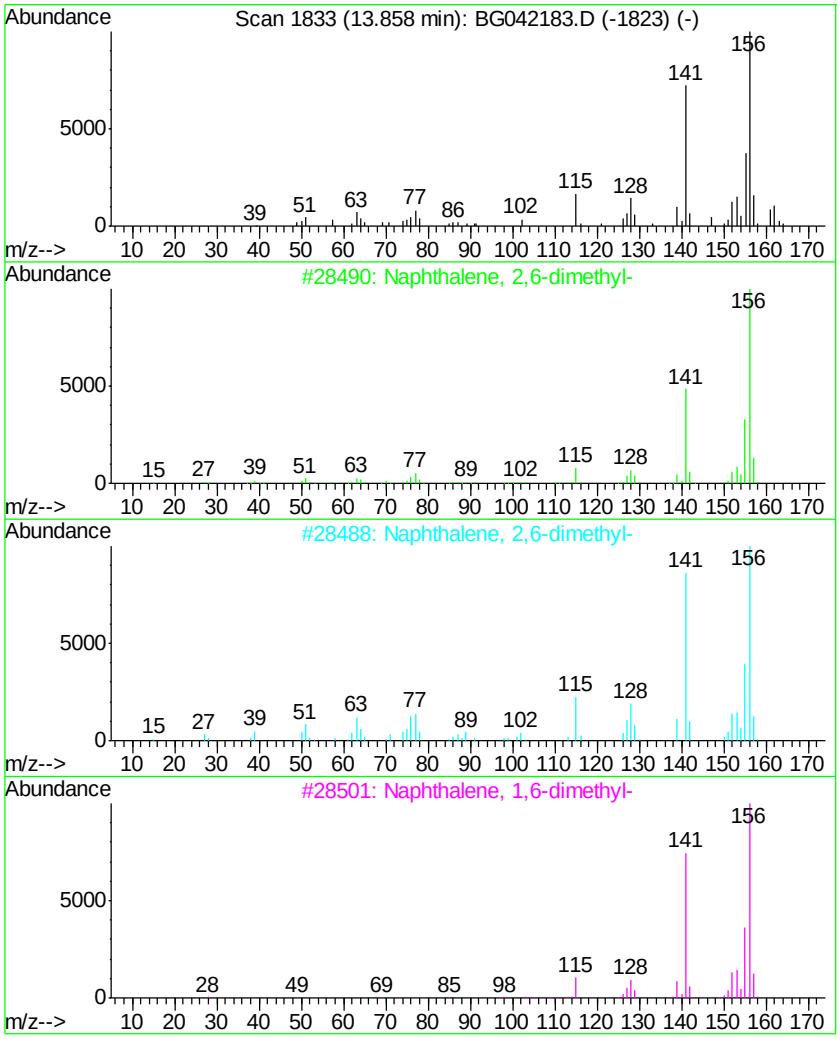
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

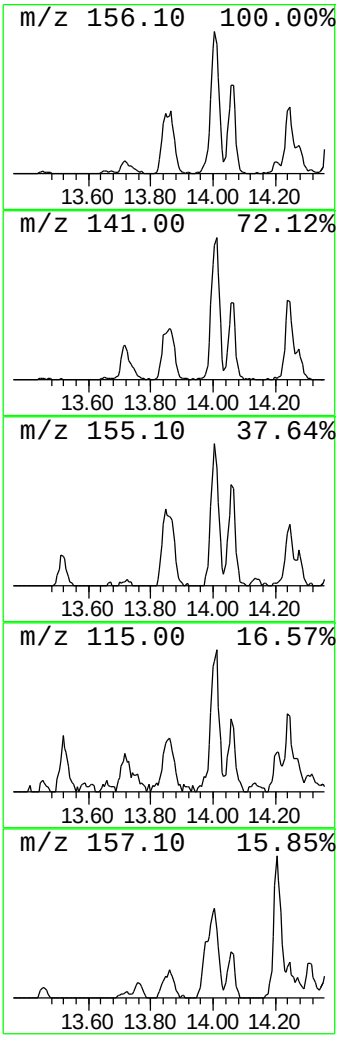
****

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	2.65 ng/ul	128936	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
Data File : BG042183.D
Acq On : 13 Aug 2019 16:33
Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

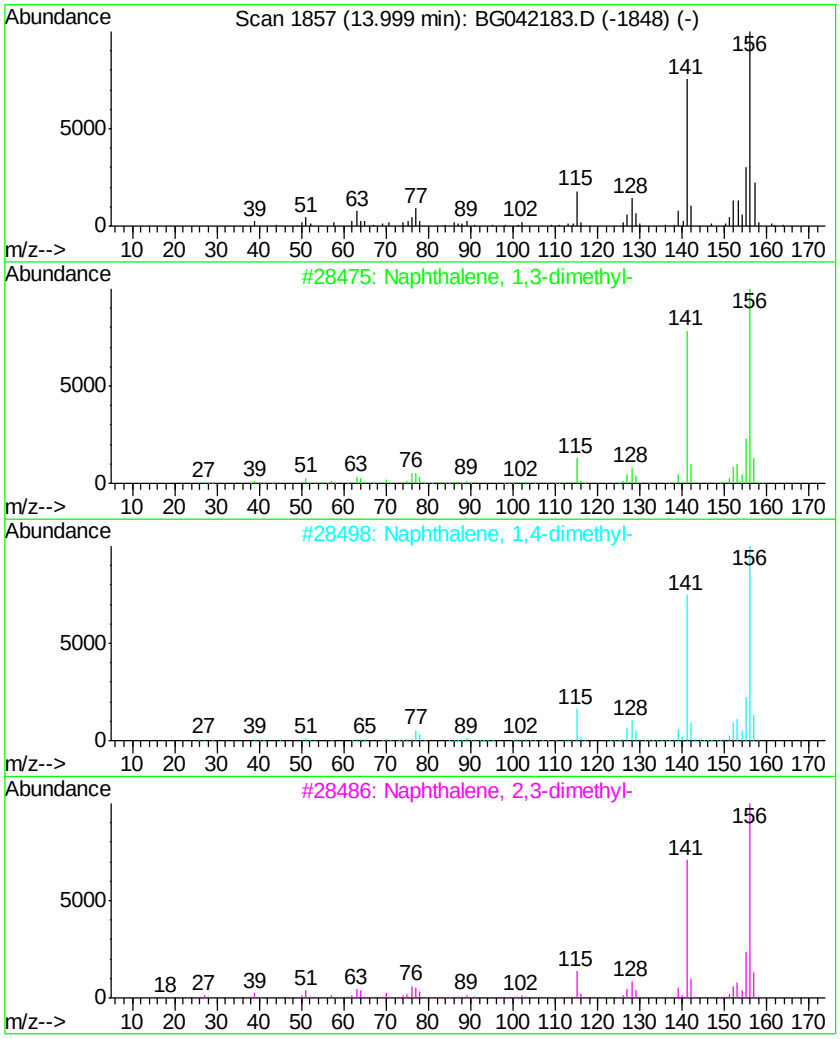
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

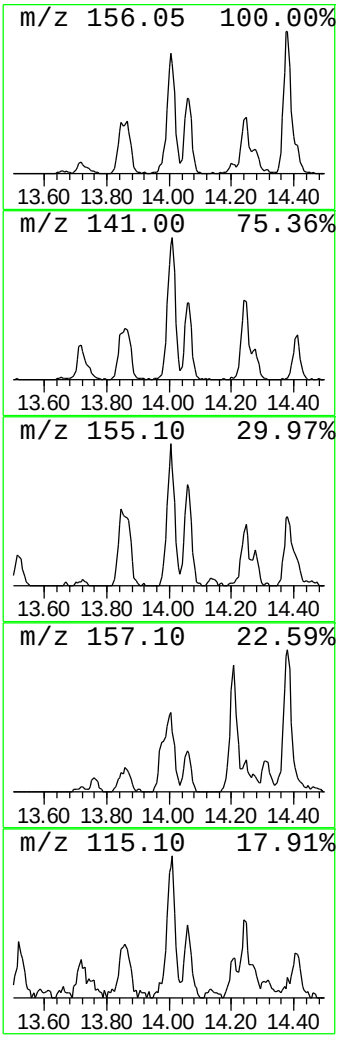
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	4.51 ng/ul	219487	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
Data File : BG042183.D
Acq On : 13 Aug 2019 16:33
Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

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

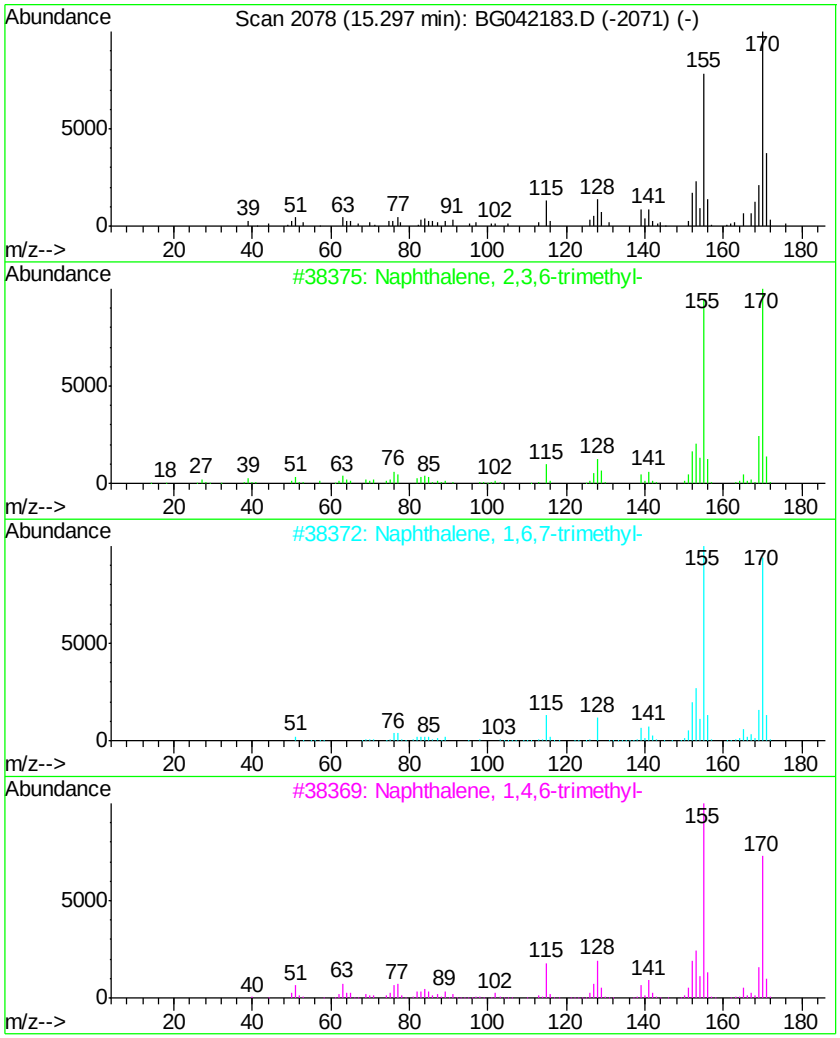
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

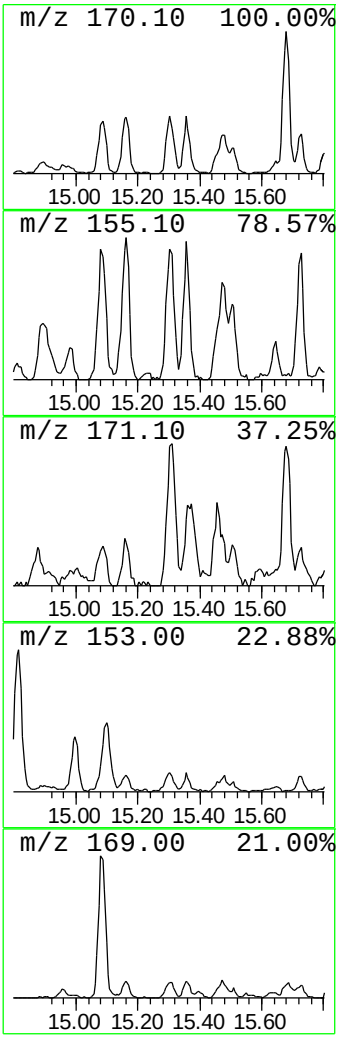
****

Peak Number 5 Naphthalene, 2,3,6-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	2.36 ng/ul	114602	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91





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Sample : K4215-15
Misc :
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Instrument : BNA_G
ClientSampleId : ETOC8

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Quant Title : SVOA CALIBRATION

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

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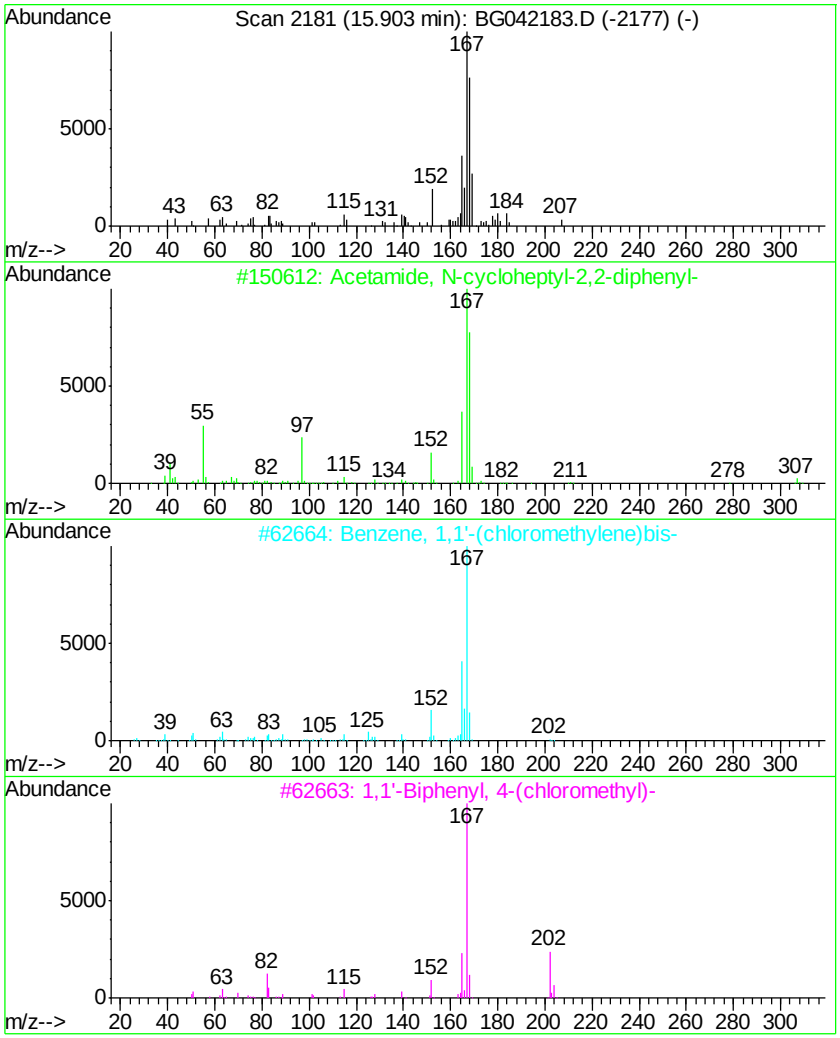
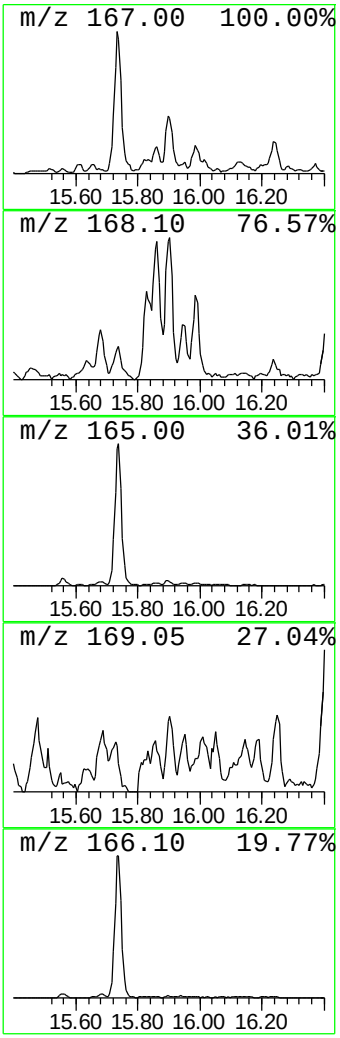
Peak Number 6 Acetamide, N-cycloheptyl-2,... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	2.34 ng/ul	113862	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	53
2	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	50
3	1,1'-Biphenyl, 4-(chloromethyl)-	202	C13H11Cl	001667-11-4	47
4	Diphenylmethane	168	C13H12	000101-81-5	47
5	Benzenepropanenitrile, .beta.-ph...	207	C15H13N	002286-54-6	46





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ClientSampleId : ETOC8

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Quant Title : SVOA CALIBRATION

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

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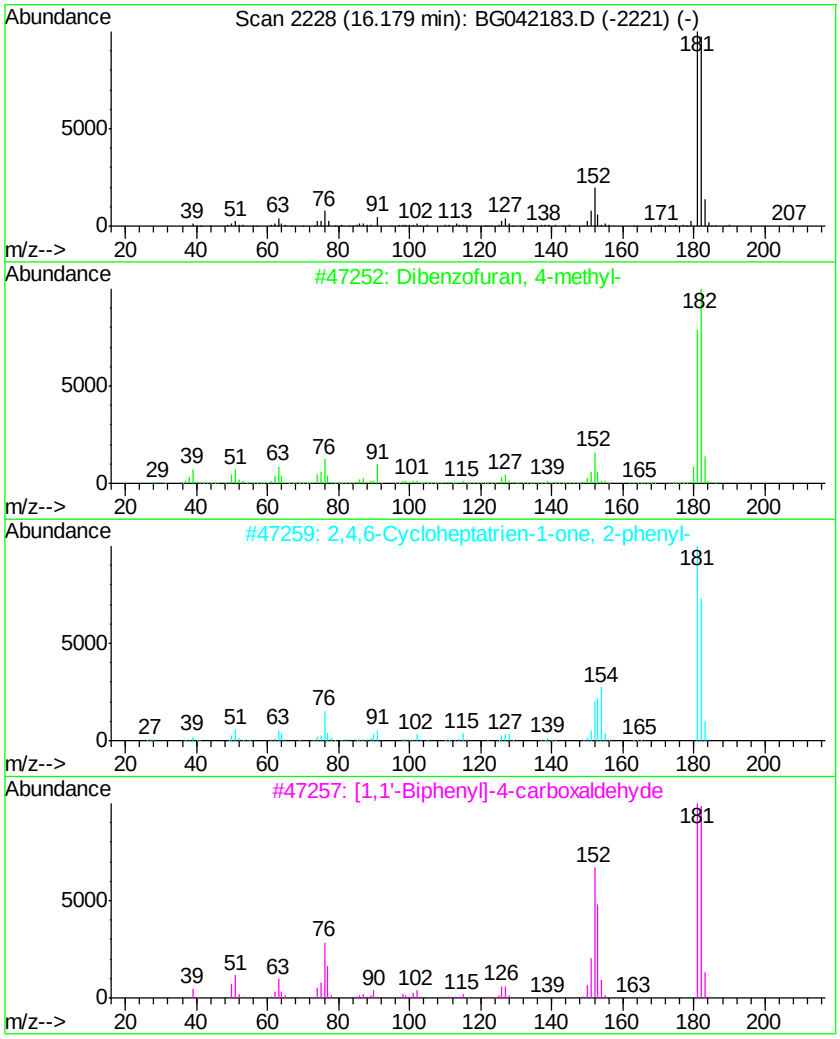
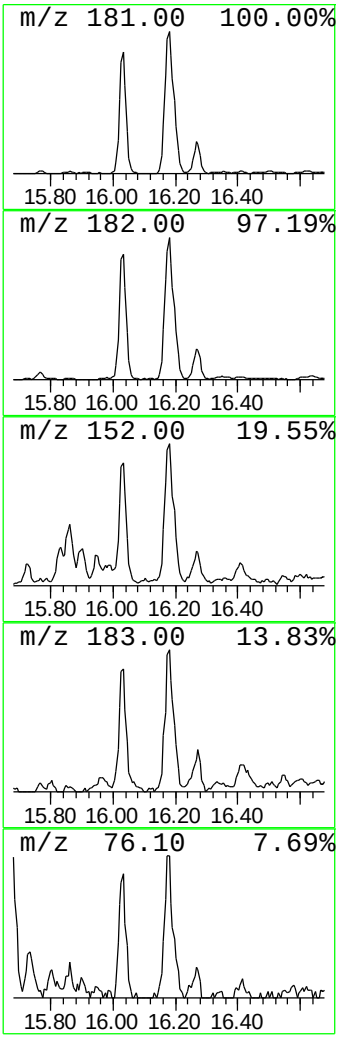
Peak Number 8 2,4,6-Cycloheptatrien-1-one... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	6.94 ng/ul	390045	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Instrument : BNA_G
ClientSampleId : ETOC8

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Quant Title : SVOA CALIBRATION

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

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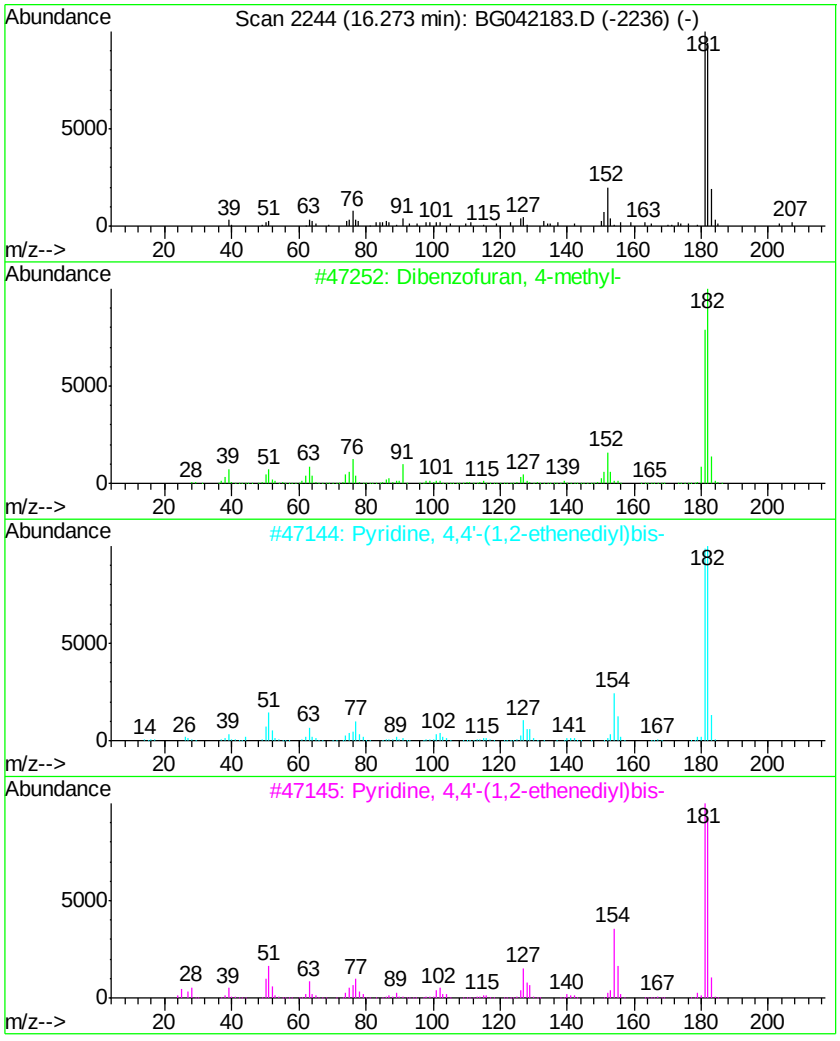
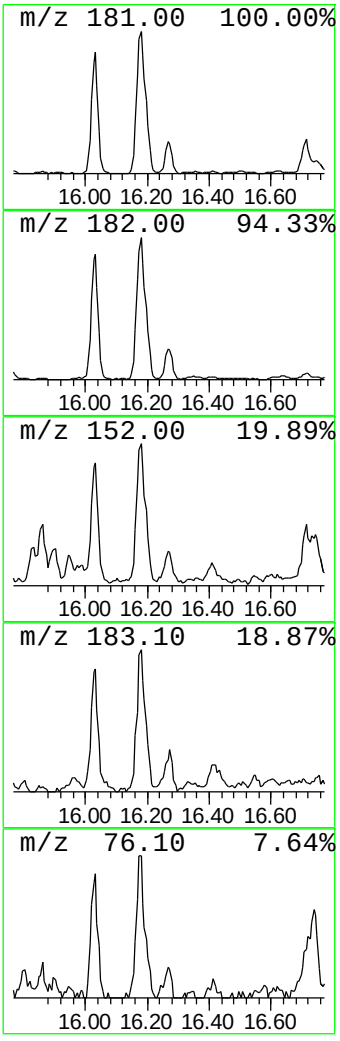
Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	2.04 ng/ul	114582	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72
3	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	58





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ClientSampleId : ETOC8

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Quant Title : SVOA CALIBRATION

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

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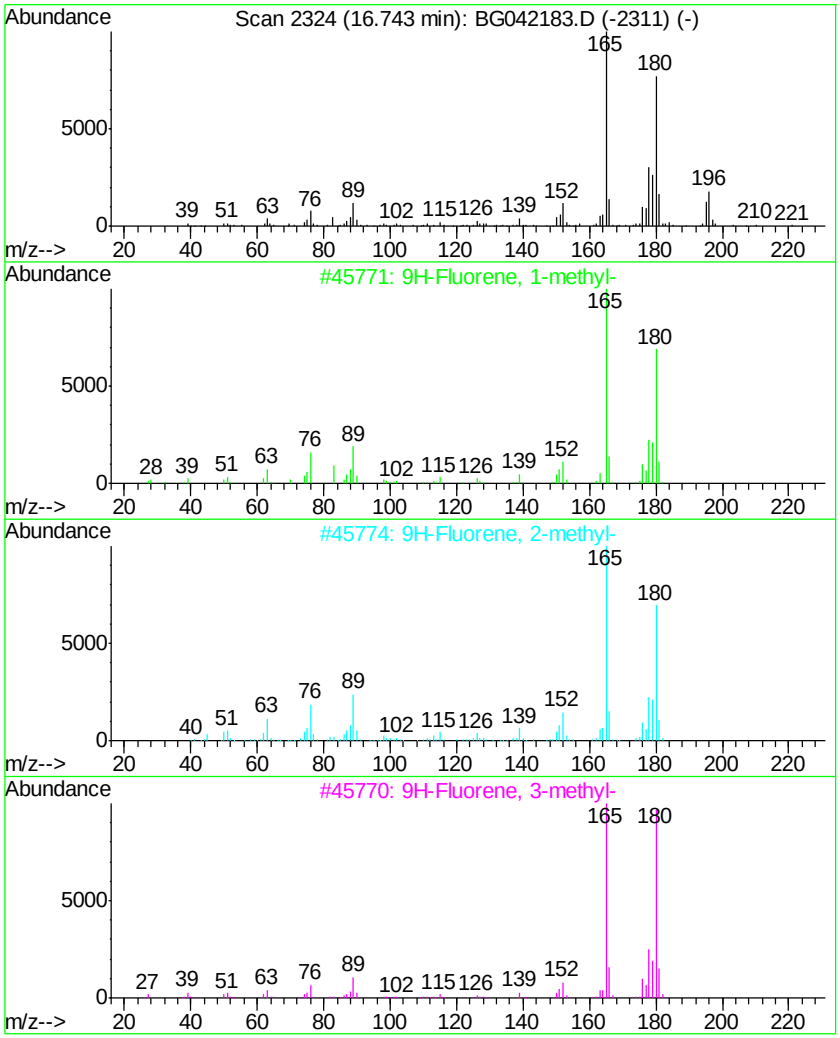
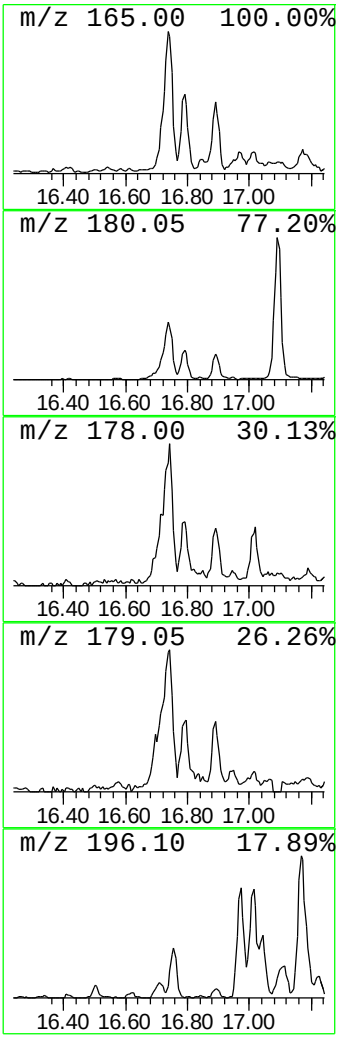
Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	6.85 ng/ul	385191	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93





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ClientSampleId : ETOC8

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Quant Title : SVOA CALIBRATION

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

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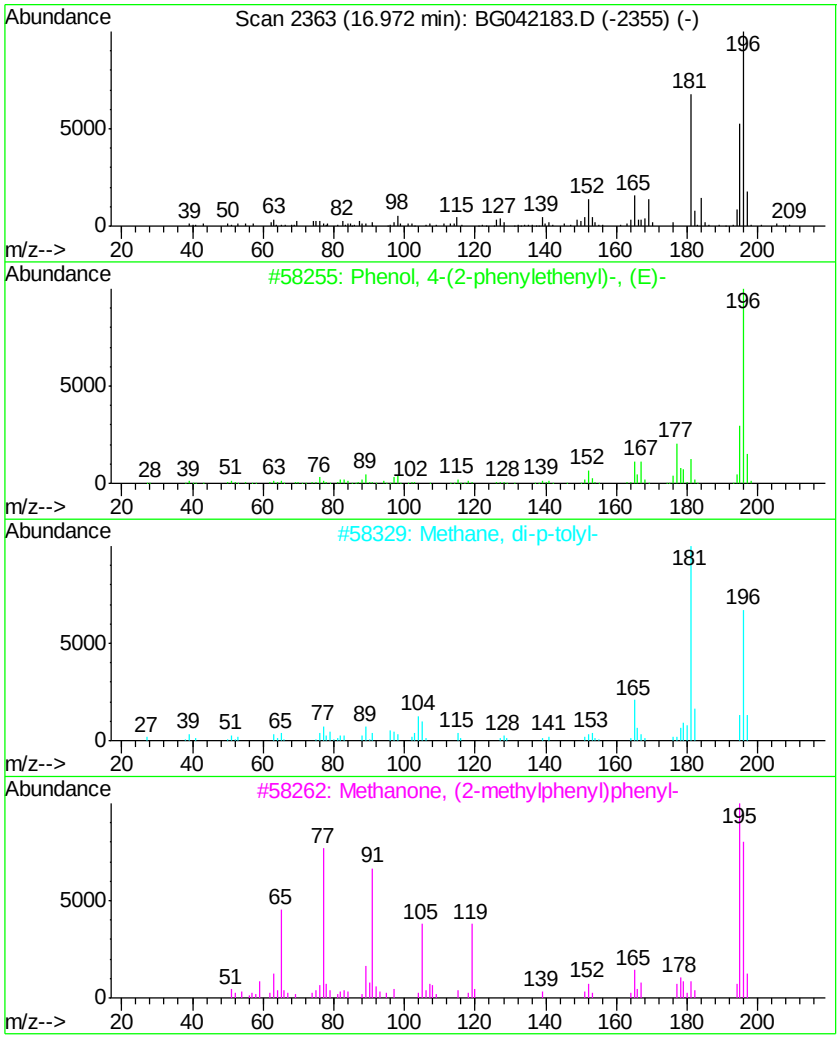
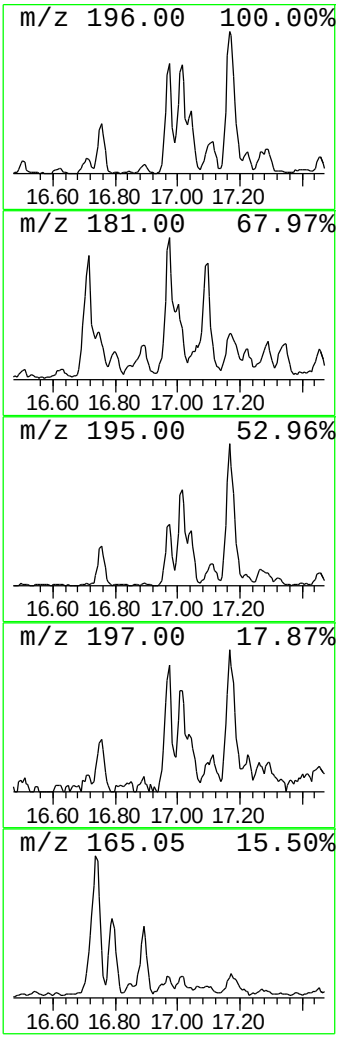
Peak Number 11 Phenol, 4-(2-phenylethenyl)... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	3.25 ng/ul	182505	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
2	Methane, di-p-tolyl-	196	C15H16	004957-14-6	50
3	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	49
4	Silane, (4-methoxyphenoxy)trimet...	196	C10H16O2Si	006689-38-9	47
5	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	46





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Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

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Quant Title : SVOA CALIBRATION

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

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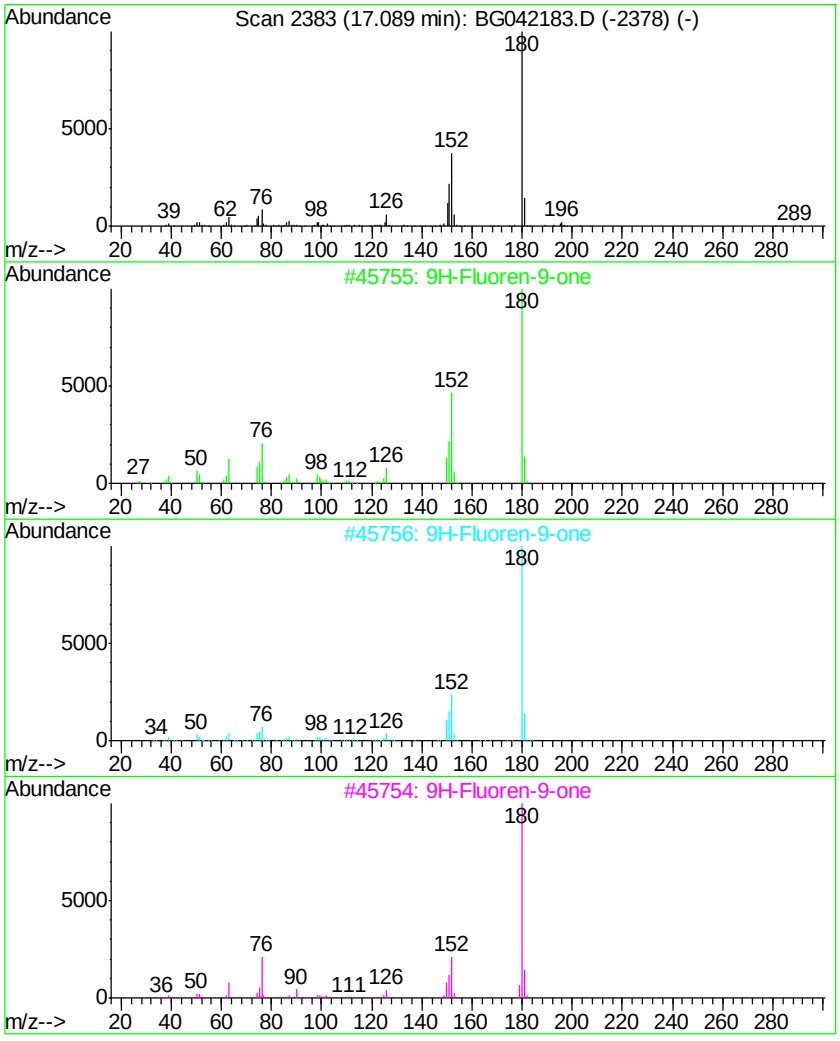
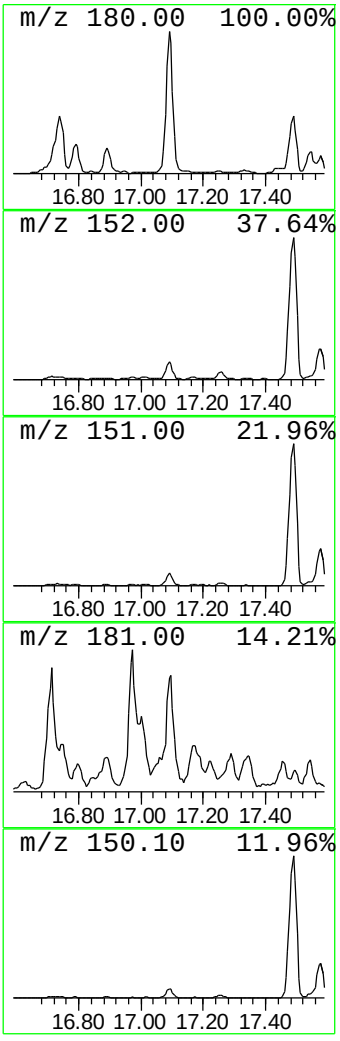
Peak Number 12 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	5.37 ng/ul	301702	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86





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Sample : K4215-15
Misc :
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Instrument : BNA_G
ClientSampleId : ETOC8

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Quant Title : SVOA CALIBRATION

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

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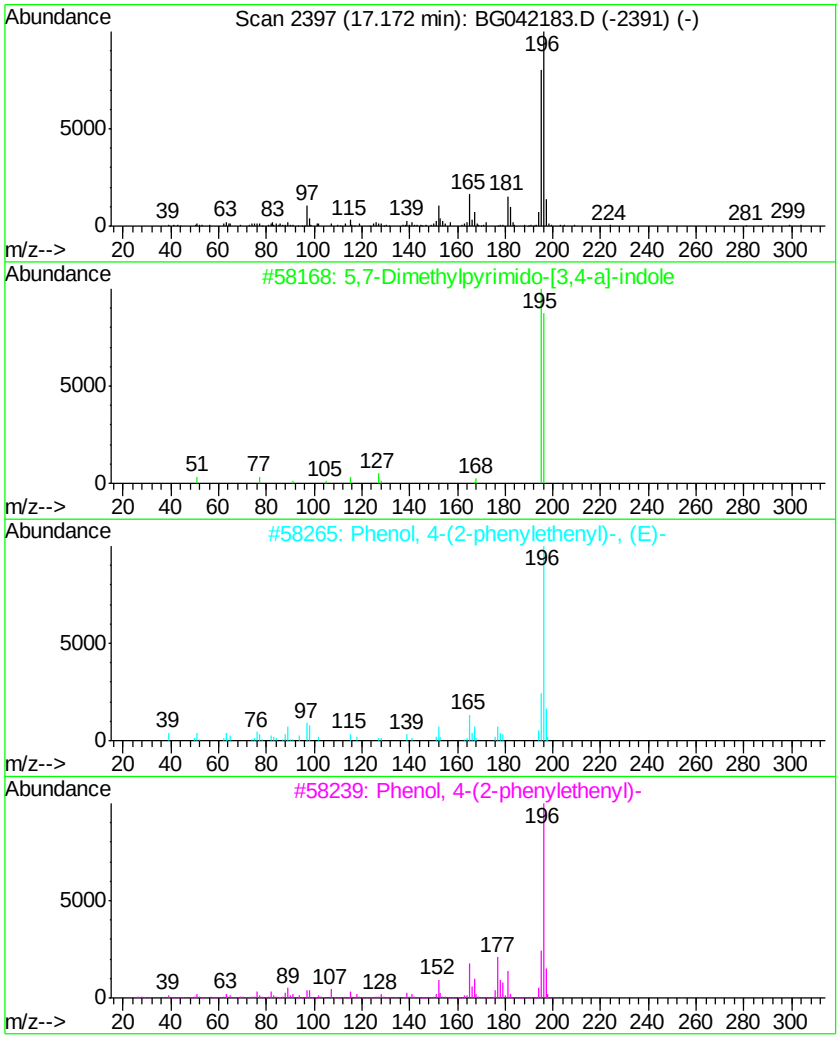
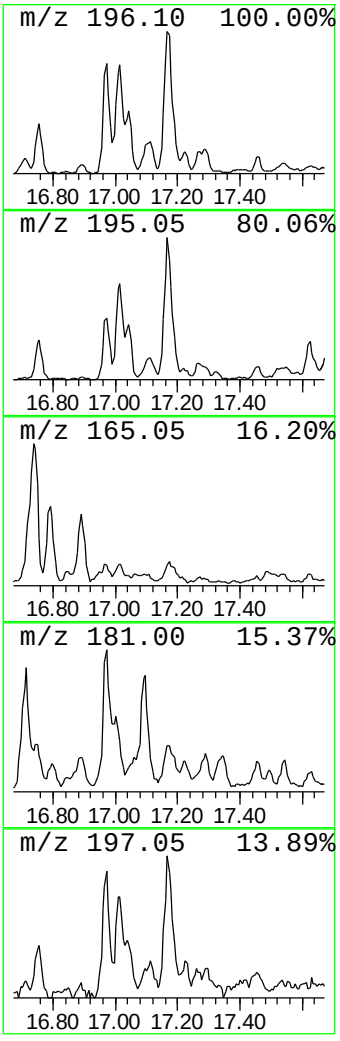
Peak Number 13 5,7-Dimethylpyrimido-[3,4-a... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	4.24 ng/ul	238638	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	53
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50
4	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	49
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	47





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Instrument : BNA_G
ClientSampleId : ETOC8

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Quant Title : SVOA CALIBRATION

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

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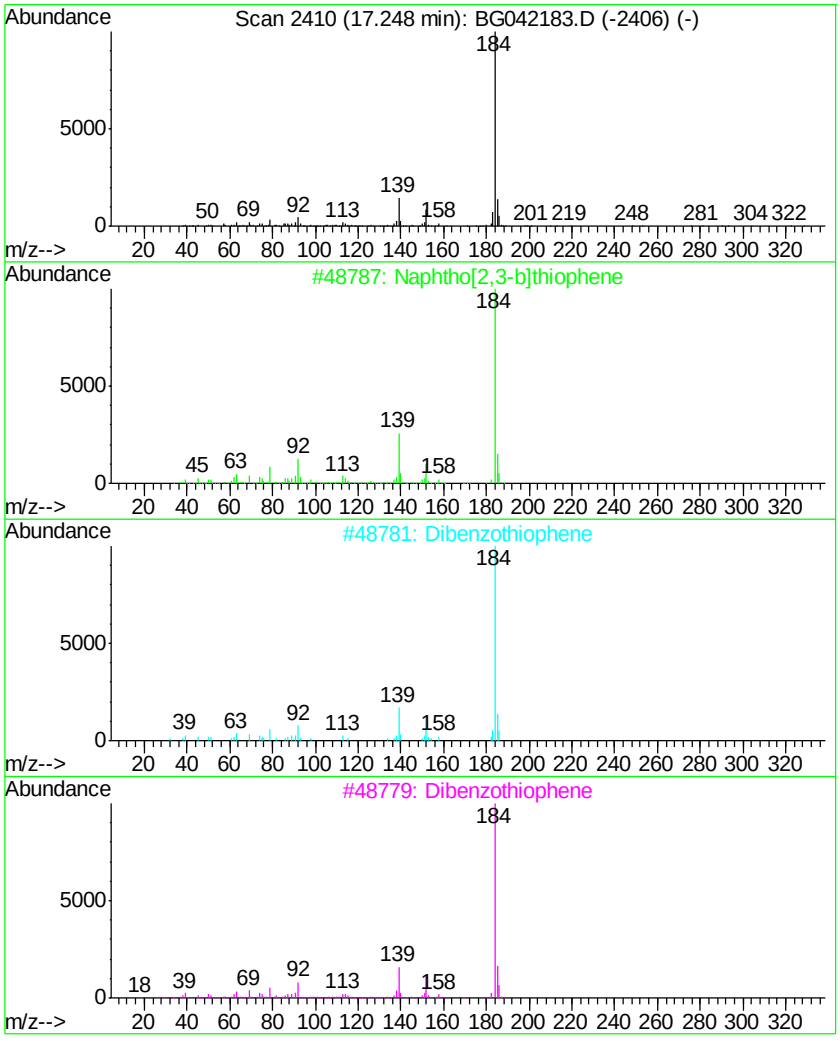
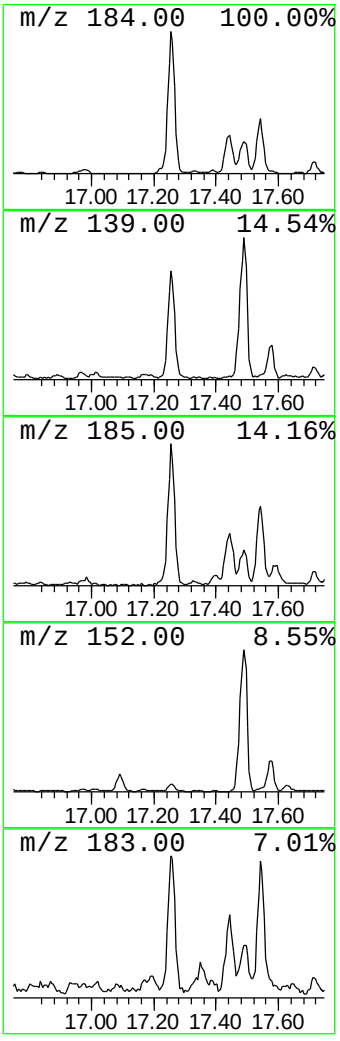
Peak Number 14 Naphtho[2,3-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	9.32 ng/ul	524128	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95





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Quant Title : SVOA CALIBRATION

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

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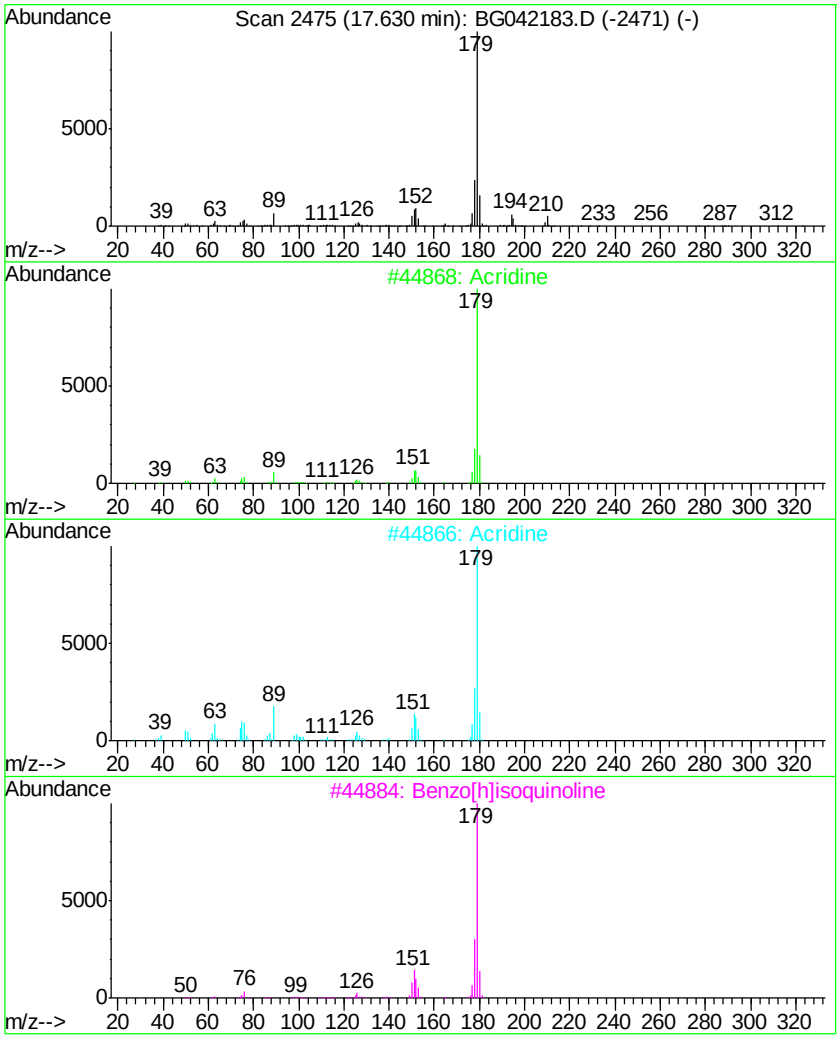
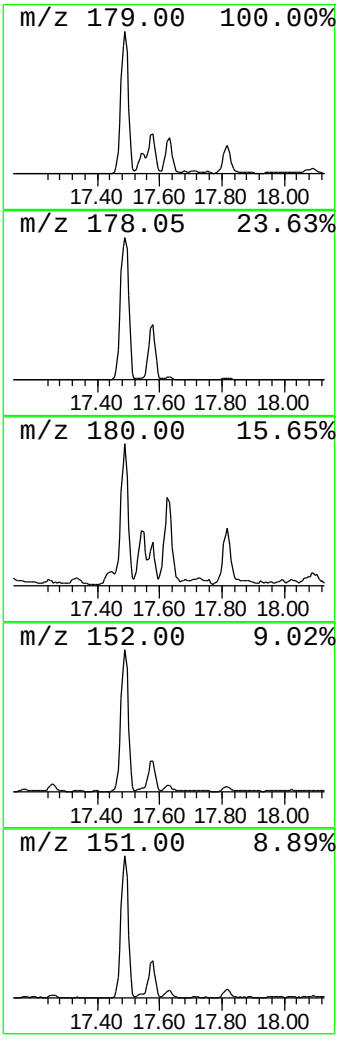
Peak Number 15 Acridine Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	6.22 ng/ul	349979	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	94
2	Acridine	179	C13H9N	000260-94-6	93
3	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	93
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	90
5	Benzo[g]quinoline	179	C13H9N	000260-36-6	90





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Quant Title : SVOA CALIBRATION

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

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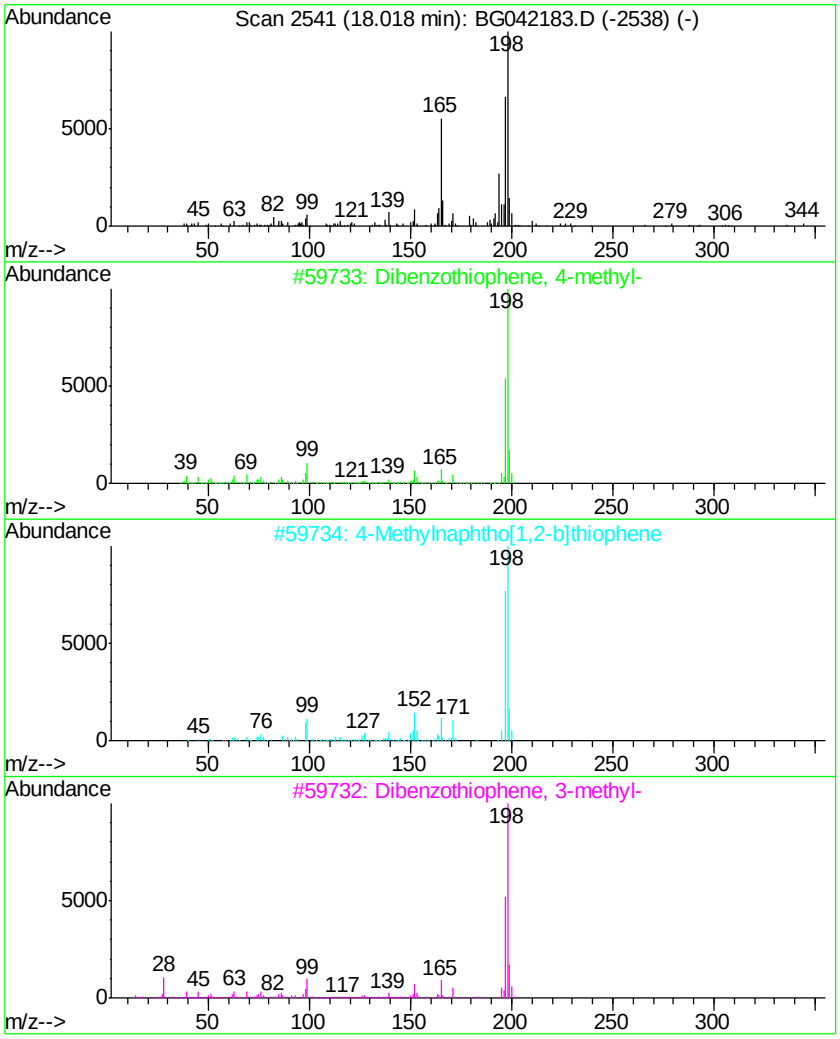
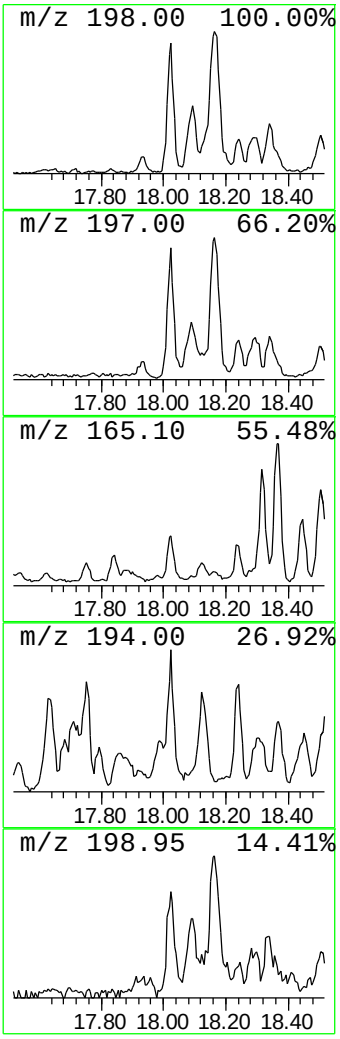
Peak Number 16 Dibenzothiophene, 4-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.22 ng/ul	124575	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	60
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	50
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	49
5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	49





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

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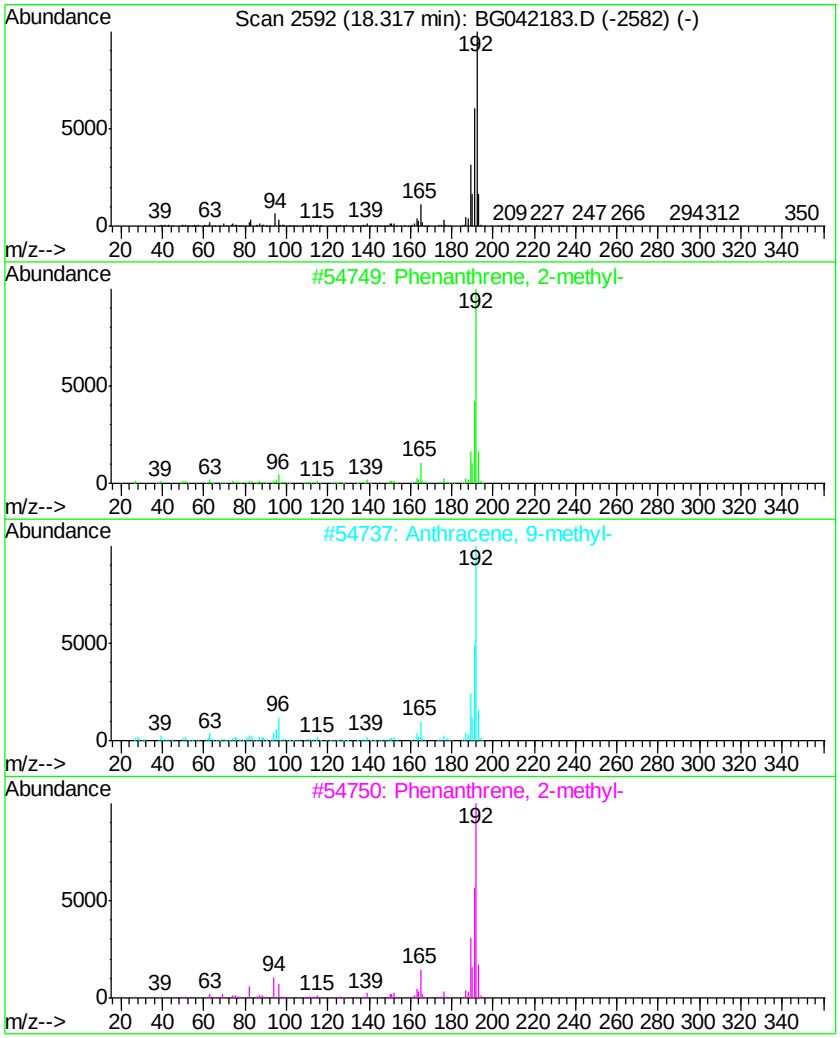
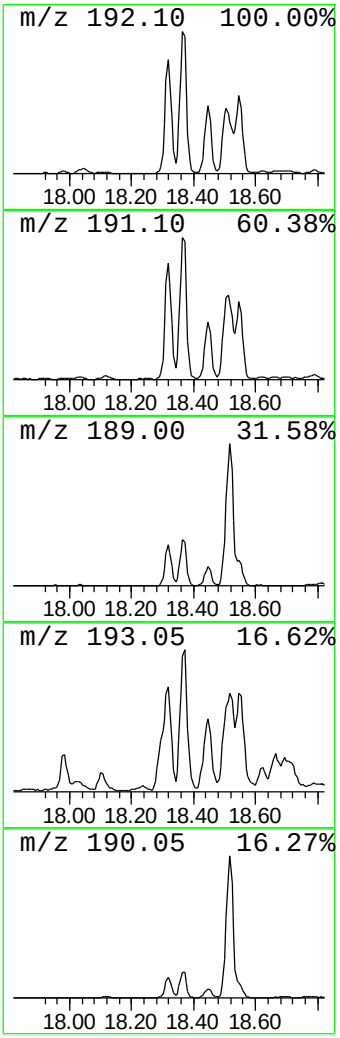
Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	18.73 ng/ul	1053280	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Quant Title : SVOA CALIBRATION

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

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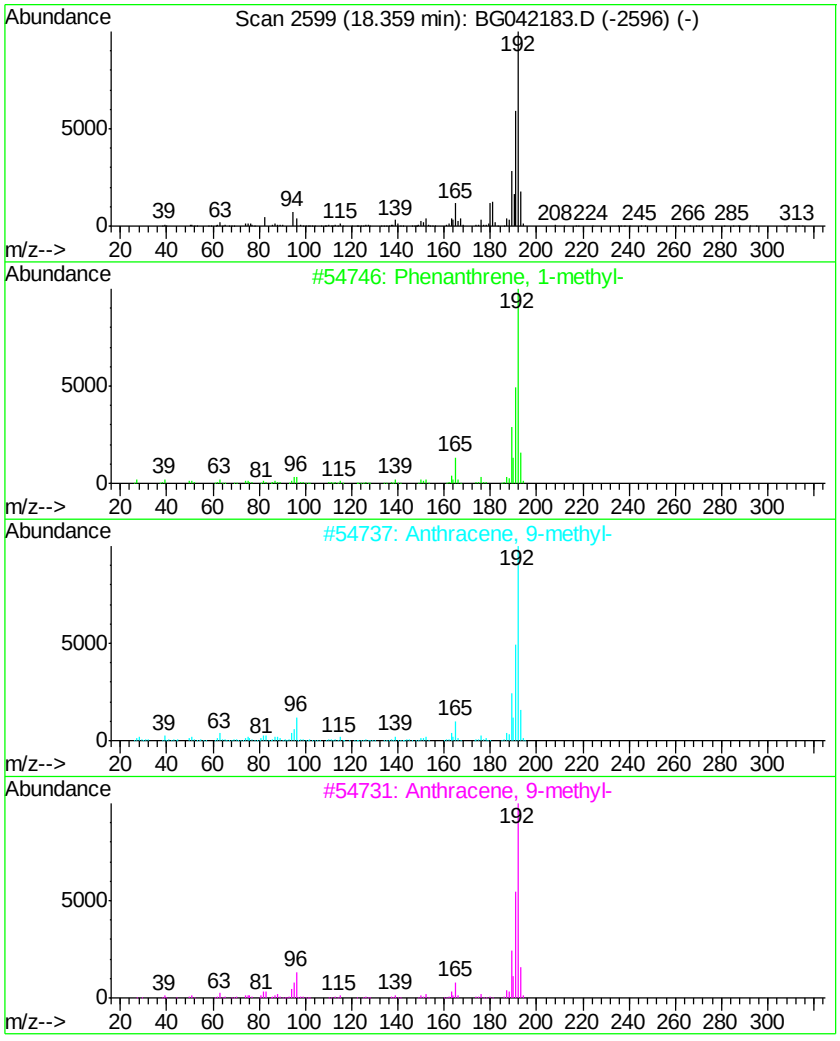
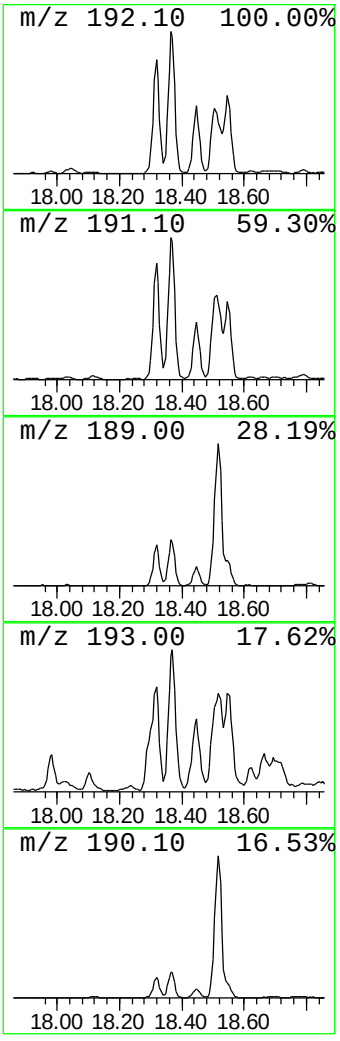
Peak Number 18 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	22.26 ng/ul	1251810	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Acq On : 13 Aug 2019 16:33
Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

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

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

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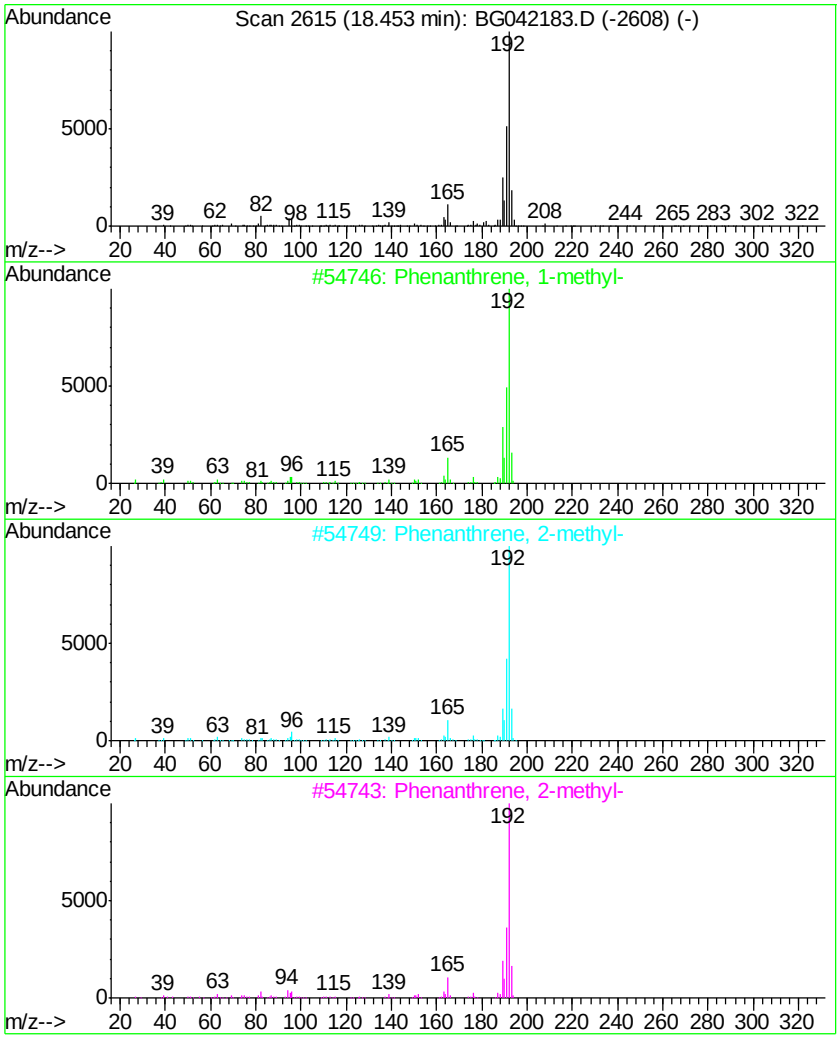
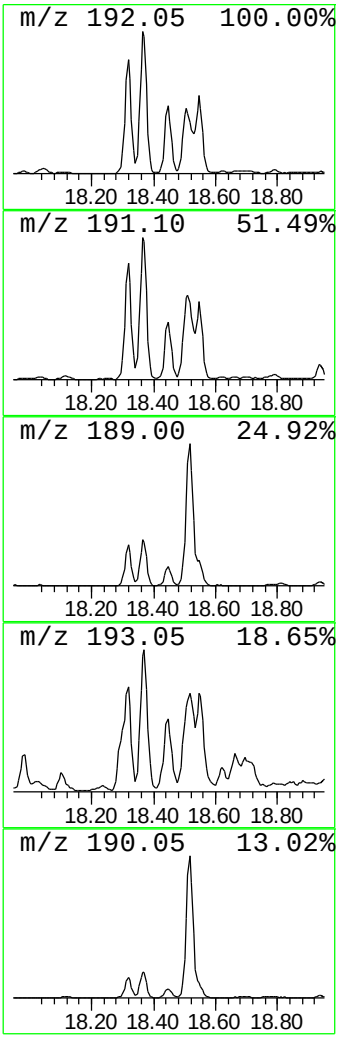
Peak Number 19 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	8.69 ng/ul	488613	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Library Search Compound Report

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Data File : BG042183.D
Acq On : 13 Aug 2019 16:33
Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

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Quant Title : SVOA CALIBRATION

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

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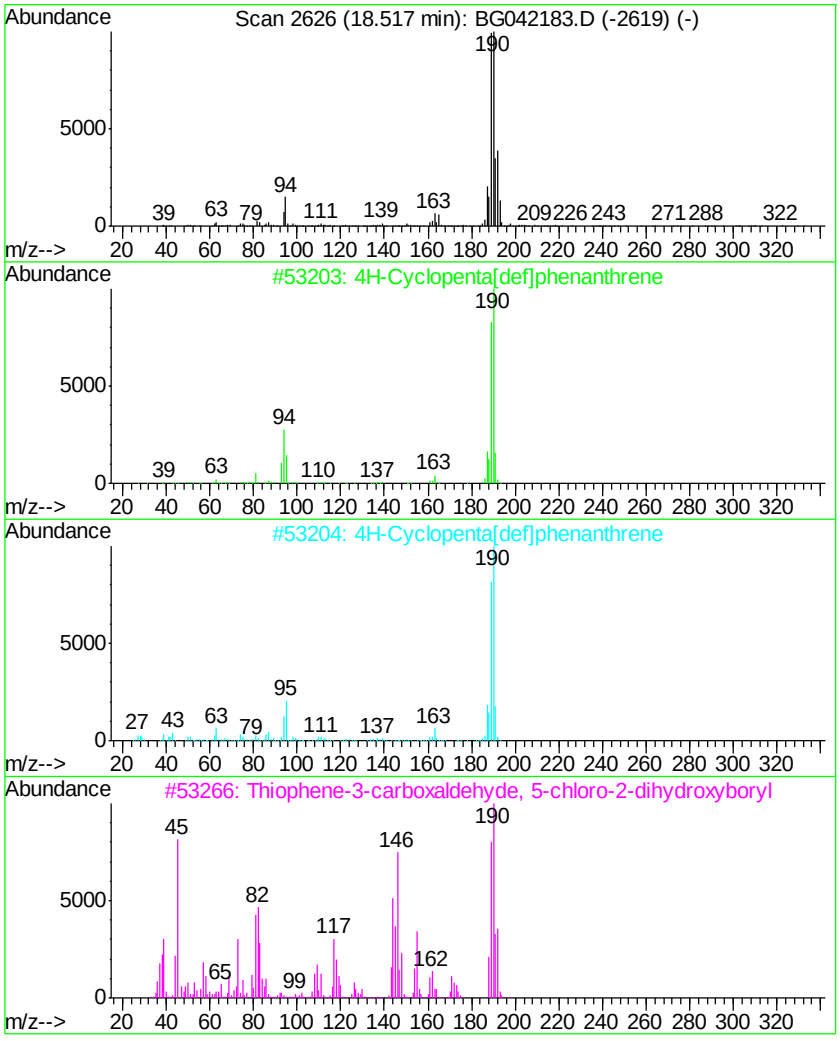
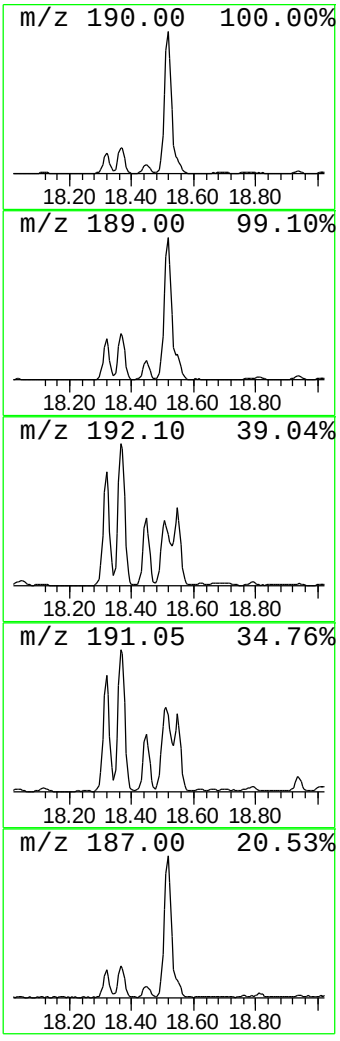
Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	30.21 ng/ul	1698880	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
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	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46





Library Search Compound Report

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Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

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

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

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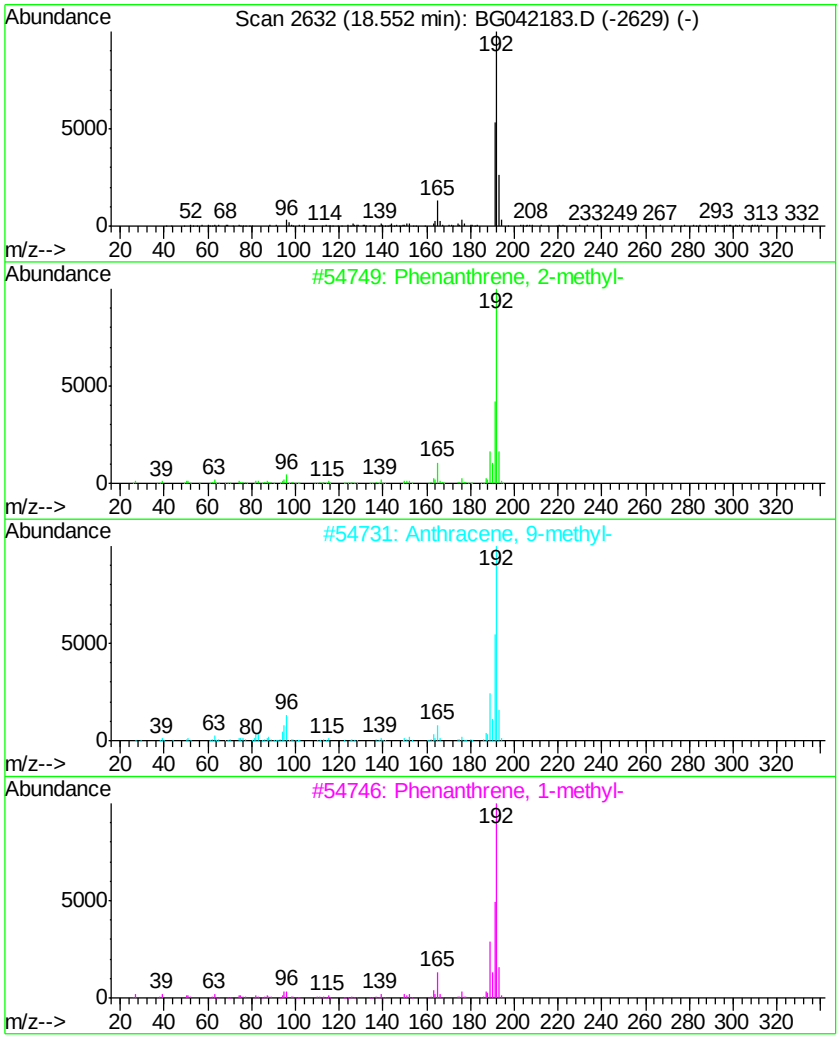
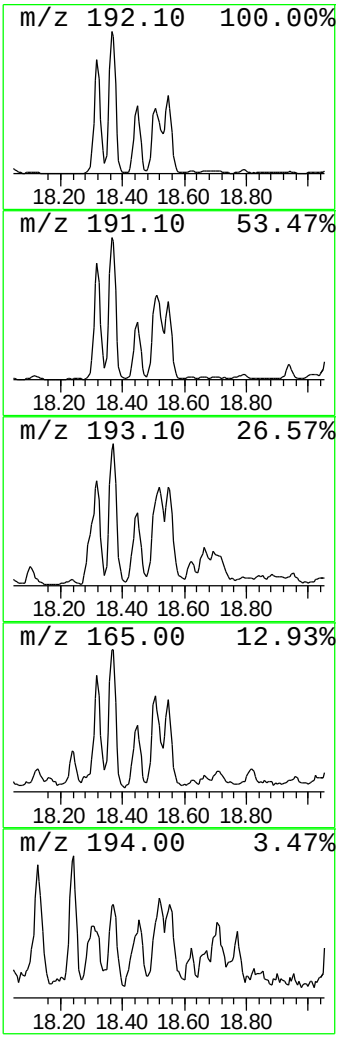
Peak Number 21 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	8.71 ng/ul	489994	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

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

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

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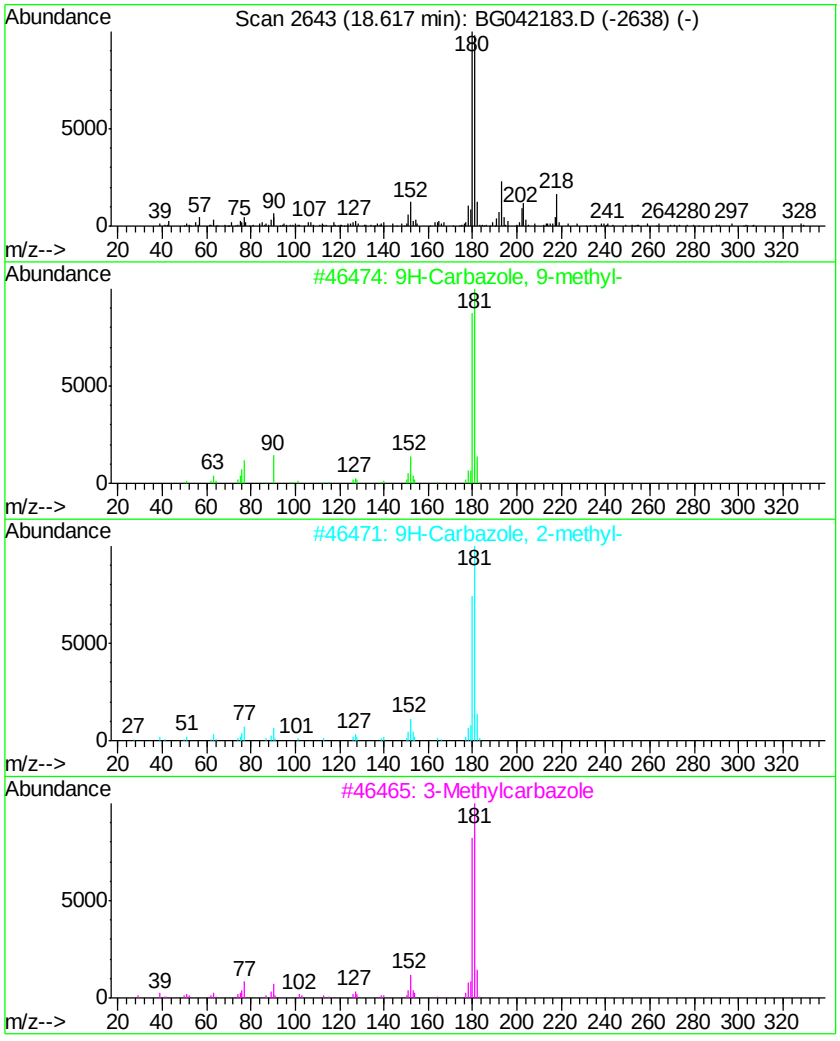
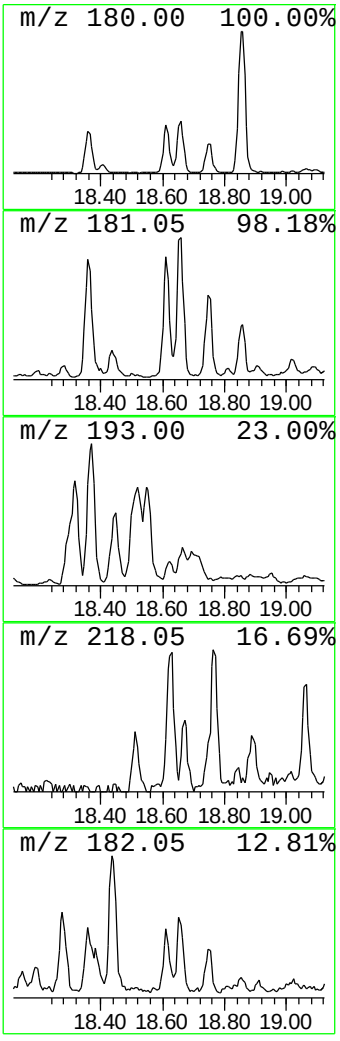
Peak Number 22 9H-Carbazole, 9-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.31 ng/ul	130094	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	76
2	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	70
3	3-Methylcarbazole	181	C13H11N	004630-20-0	70
4	1-Methylcarbazole	181	C13H11N	006510-65-2	64
5	3-Methylcarbazole	181	C13H11N	004630-20-0	64





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Sample : K4215-15
Misc :
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Instrument : BNA_G
ClientSampleId : ETOC8

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Quant Title : SVOA CALIBRATION

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

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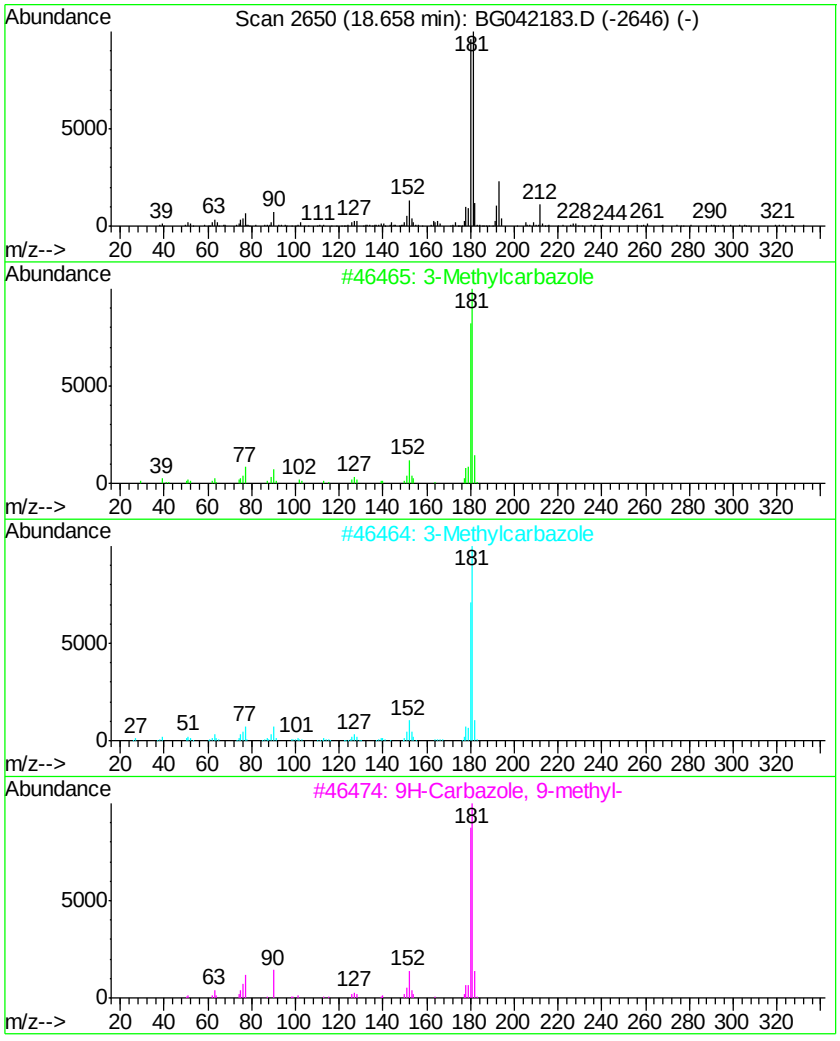
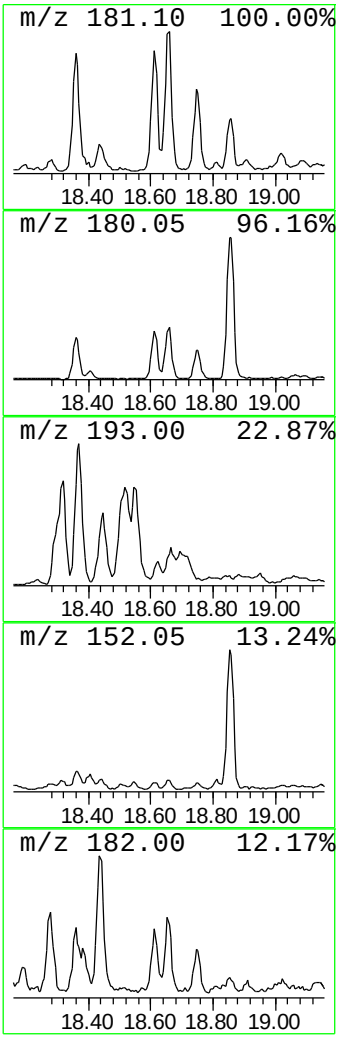
Peak Number 23 3-Methylcarbazole Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	2.04 ng/ul	114768	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	96
2	3-Methylcarbazole	181	C13H11N	004630-20-0	96
3	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	95
4	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	93
5	1-Methylcarbazole	181	C13H11N	006510-65-2	83





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Operator : HP/JU
Sample : K4215-15
Misc :
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Instrument : BNA_G
ClientSampleId : ETOC8

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Quant Title : SVOA CALIBRATION

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

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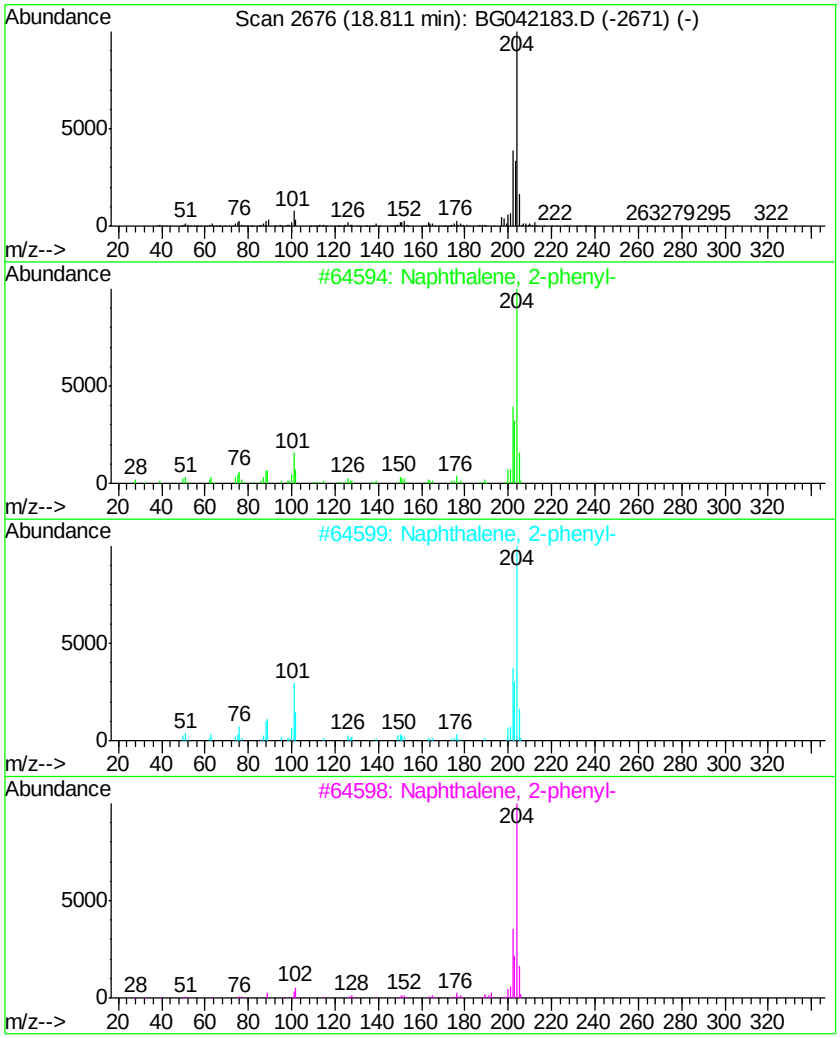
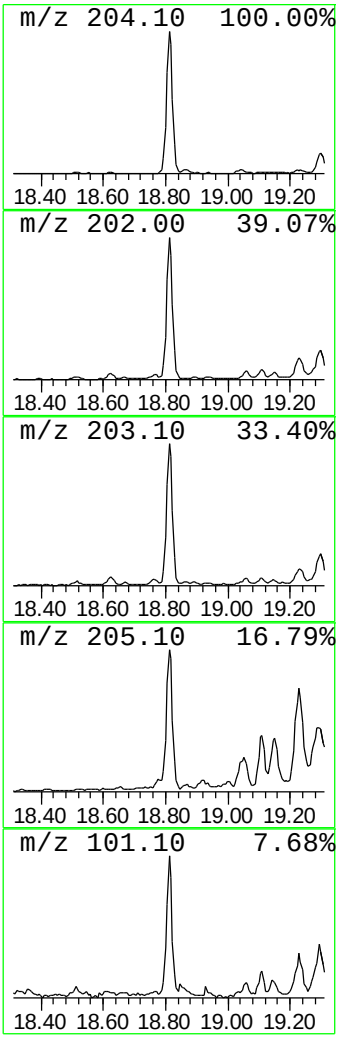
Peak Number 24 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	11.54 ng/ul	648703	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





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Operator : HP/JU
Sample : K4215-15
Misc :
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Instrument : BNA_G
ClientSampleId : ETOC8

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Quant Title : SVOA CALIBRATION

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

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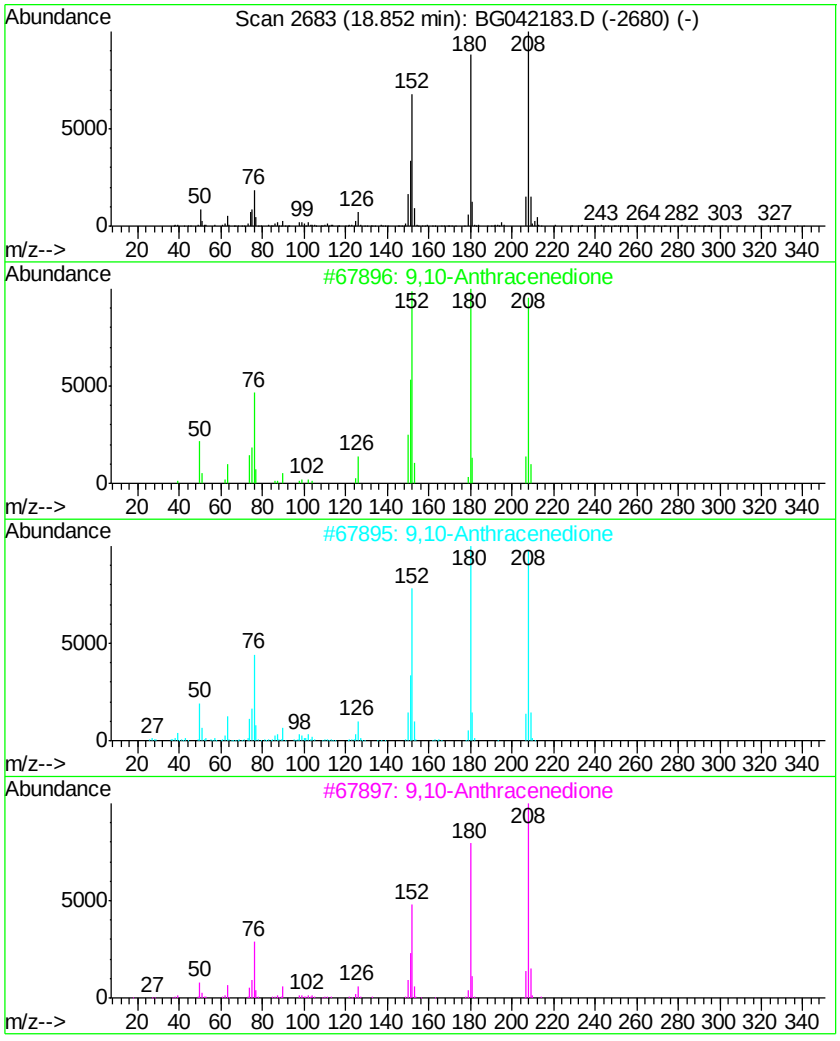
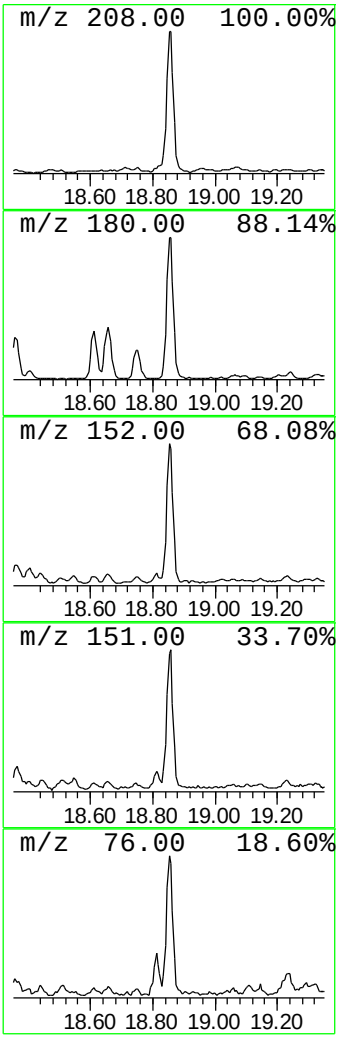
Peak Number 25 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	10.05 ng/ul	564886	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

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Quant Title : SVOA CALIBRATION

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

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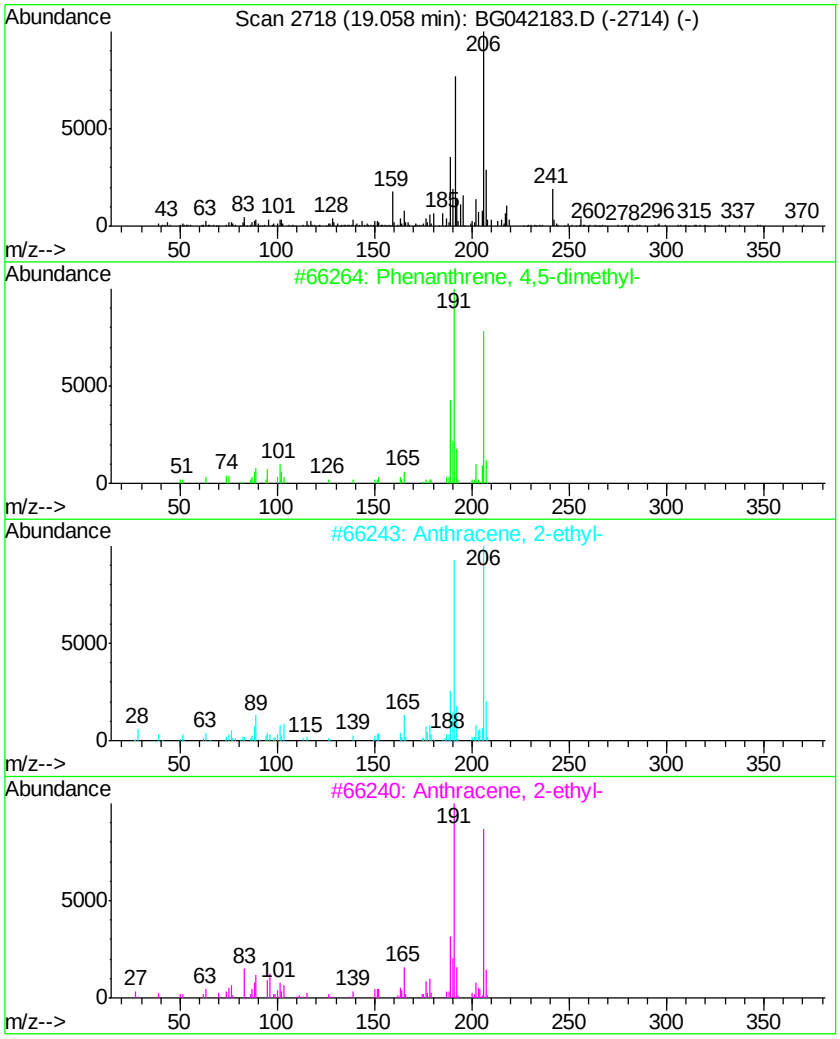
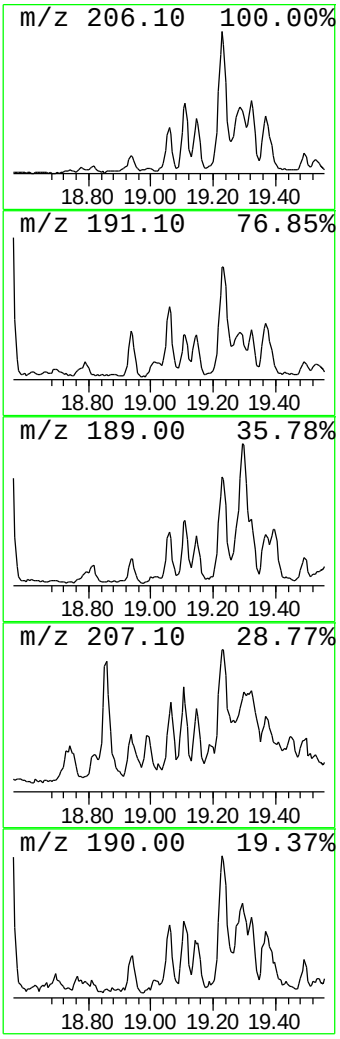
Peak Number 26 Phenanthrene, 4,5-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	3.17 ng/ul	178456	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	76
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	76
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	74
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	74
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	74





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Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

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Quant Title : SVOA CALIBRATION

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

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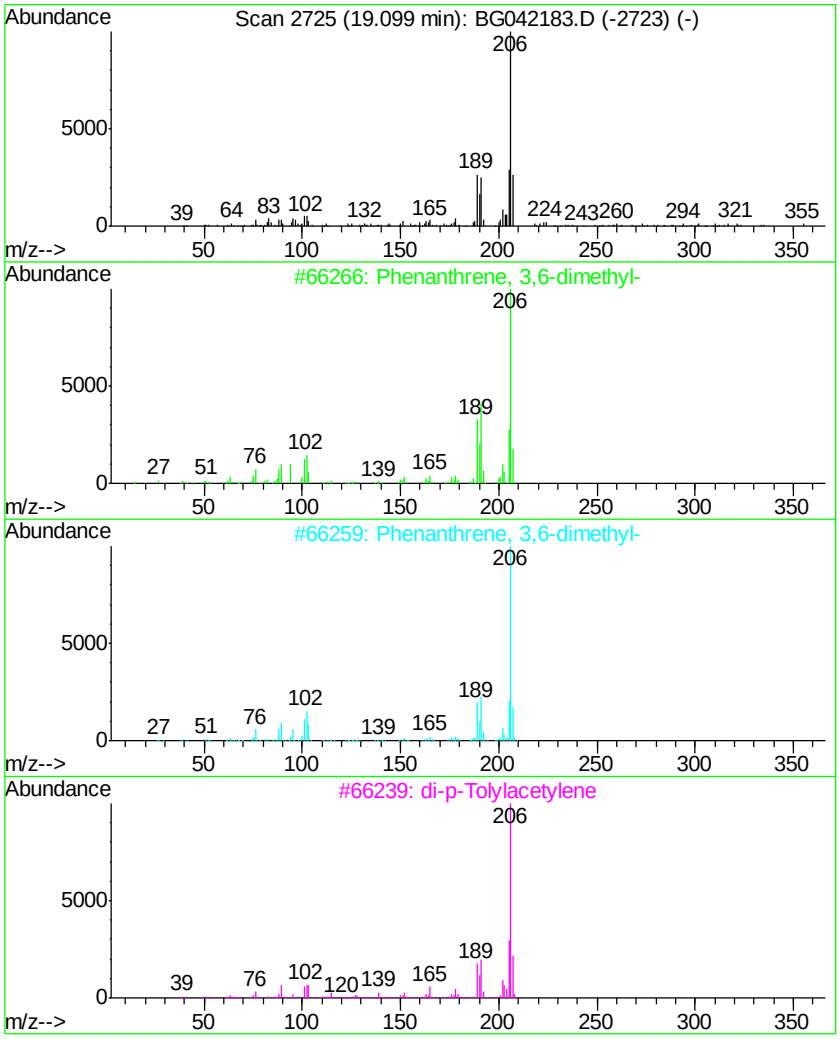
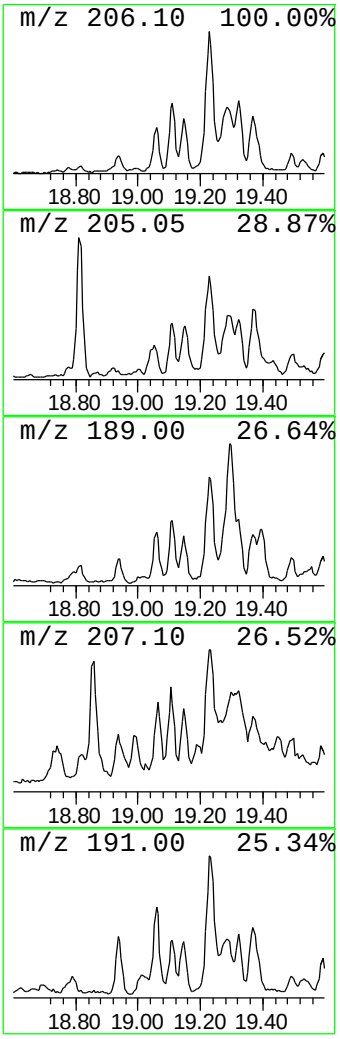
Peak Number 27 Phenanthrene, 3,6-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.76 ng/ul	155349	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87





Library Search Compound Report

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Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

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

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

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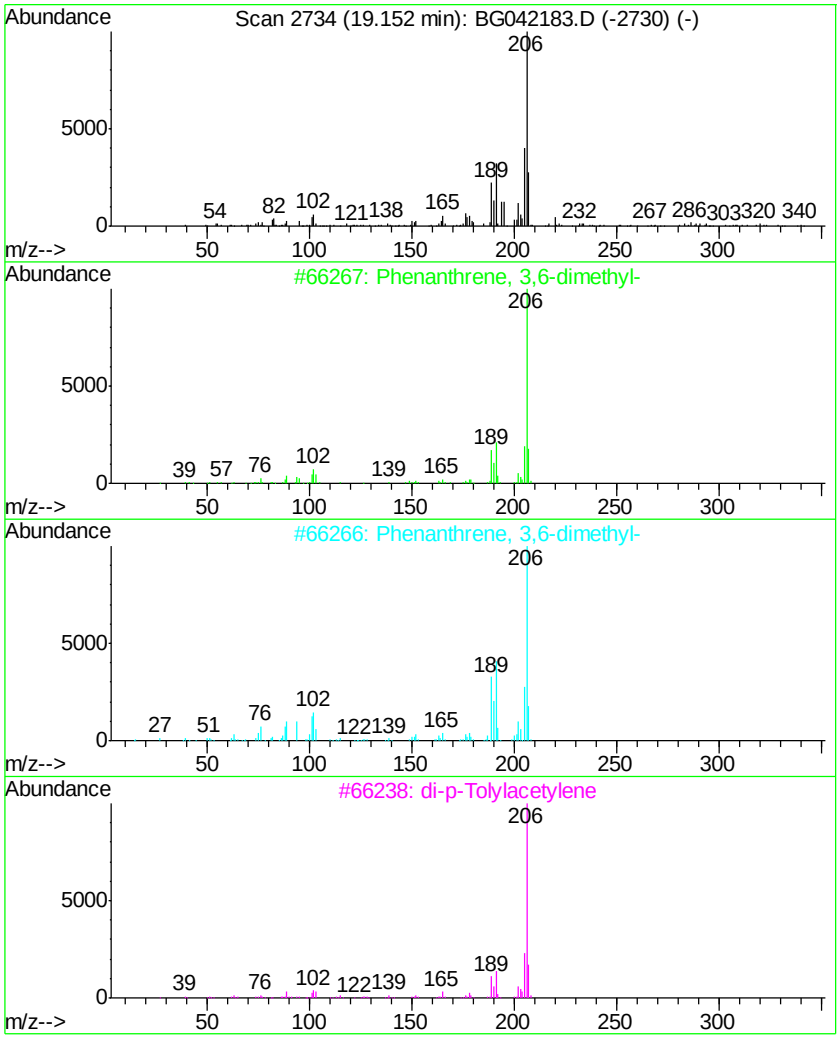
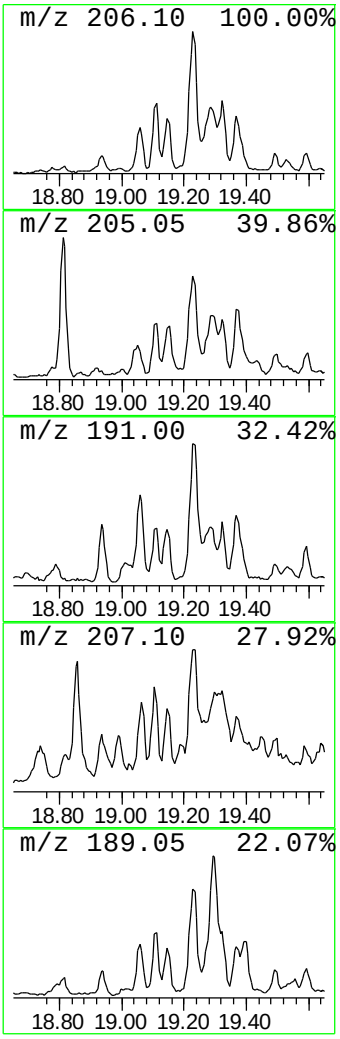
Peak Number 28 di-p-Tolylacetylene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	2.80 ng/ul	157283	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	72
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	68
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	62





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Misc :
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Instrument : BNA_G
ClientSampleId : ETOC8

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

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

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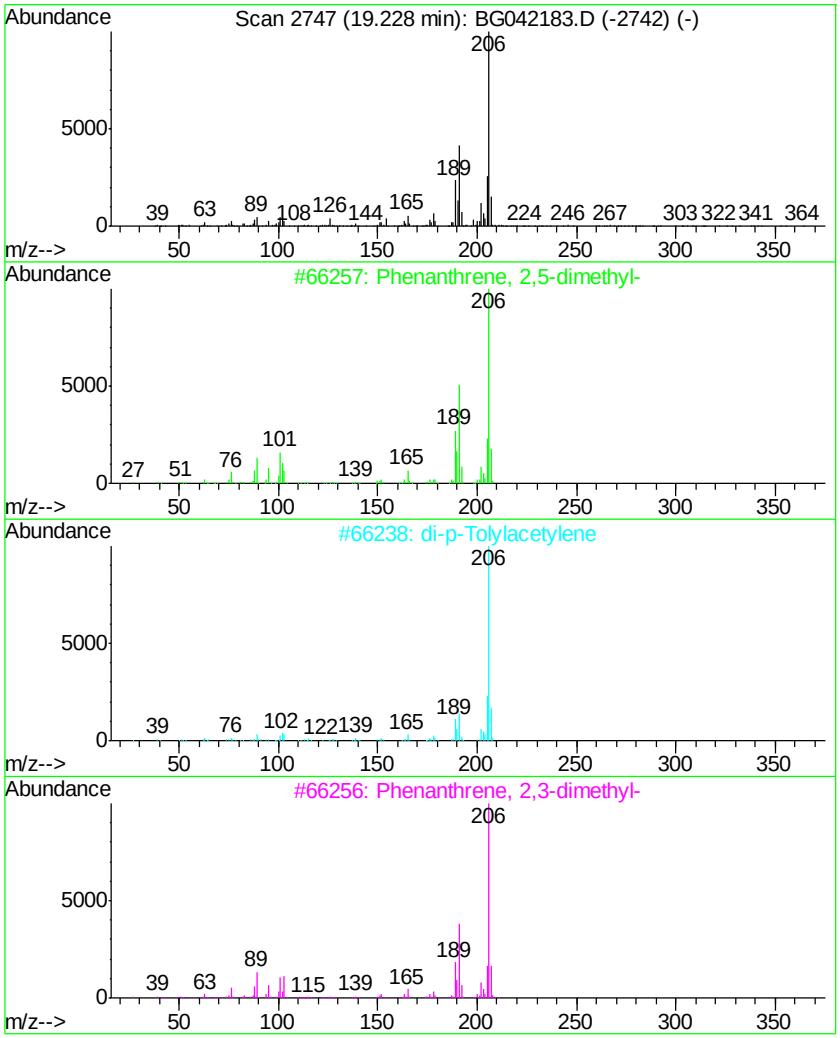
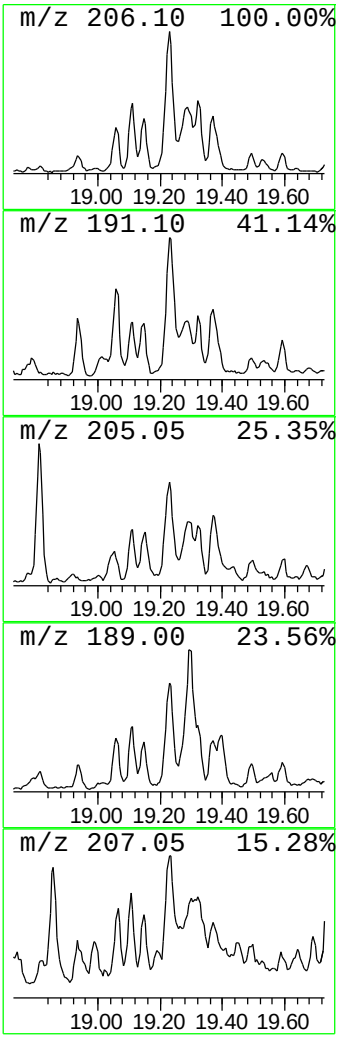
Peak Number 29 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	10.08 ng/ul	567004	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
Data File : BG042183.D
Acq On : 13 Aug 2019 16:33
Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

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

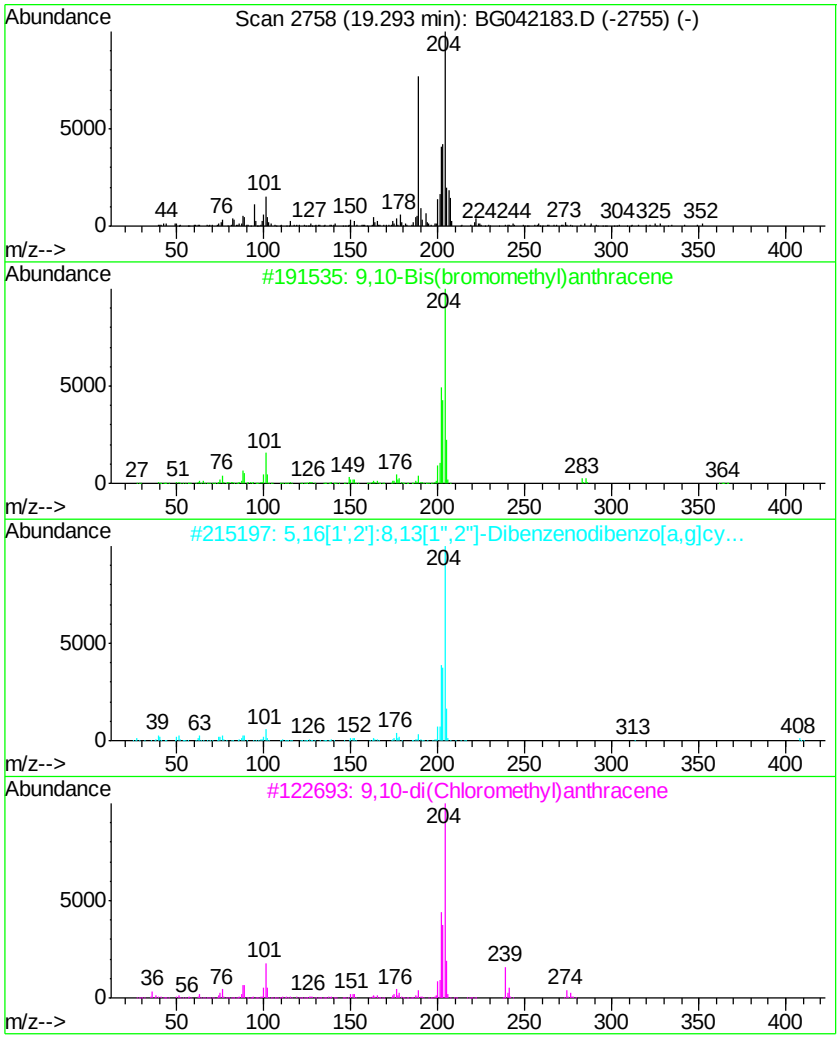
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

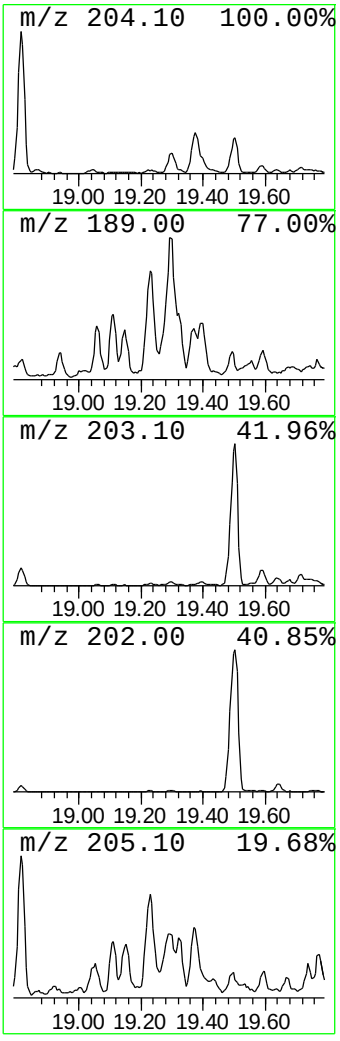
****

Peak Number 30 9,10-Bis(bromomethyl)anthra... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	2.59 ng/ul	145482	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081219\
Data File : BG042183.D
Acq On : 13 Aug 2019 16:33
Operator : HP/JU
Sample : K4215-15
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOC8

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.14	104.3	ng/ul	2096890	1	8.02	402086	20.0
Naphthalene, 1-me...	12.73	6.0	ng/ul	188066	2	10.85	625078	20.0
Naphthalene, 2,6-...	13.86	2.6	ng/ul	128936	3	14.69	972472	20.0
Naphthalene, 1,3-...	14.00	4.5	ng/ul	219487	3	14.69	972472	20.0
Naphthalene, 2,3,...	15.30	2.4	ng/ul	114602	3	14.69	972472	20.0
Acetamide, N-cycl...	15.90	2.3	ng/ul	113862	3	14.69	972472	20.0
2,4,6-Cycloheptat...	16.18	6.9	ng/ul	390045	4	17.44	1124550	20.0
Dibenzofuran, 4-m...	16.27	2.0	ng/ul	114582	4	17.44	1124550	20.0
9H-Fluorene, 1-me...	16.74	6.8	ng/ul	385191	4	17.44	1124550	20.0
Phenol, 4-(2-phen...	16.97	3.3	ng/ul	182505	4	17.44	1124550	20.0
9H-Fluoren-9-one	17.09	5.4	ng/ul	301702	4	17.44	1124550	20.0
5,7-Dimethylpyrim...	17.17	4.2	ng/ul	238638	4	17.44	1124550	20.0
Naphtho[2,3-b]thi...	17.25	9.3	ng/ul	524128	4	17.44	1124550	20.0
Acridine	17.63	6.2	ng/ul	349979	4	17.44	1124550	20.0
Dibenzothiophene,...	18.02	2.2	ng/ul	124575	4	17.44	1124550	20.0
Phenanthrene, 2-m...	18.32	18.7	ng/ul	1053280	4	17.44	1124550	20.0
Phenanthrene, 1-m...	18.36	22.3	ng/ul	1251810	4	17.44	1124550	20.0
Anthracene, 2-met...	18.45	8.7	ng/ul	488613	4	17.44	1124550	20.0
4H-Cyclopenta[def...	18.52	30.2	ng/ul	1698880	4	17.44	1124550	20.0
Anthracene, 9-met...	18.55	8.7	ng/ul	489994	4	17.44	1124550	20.0
9H-Carbazole, 9-m...	18.62	2.3	ng/ul	130094	4	17.44	1124550	20.0
3-Methylcarbazole	18.66	2.0	ng/ul	114768	4	17.44	1124550	20.0
Naphthalene, 2-ph...	18.81	11.5	ng/ul	648703	4	17.44	1124550	20.0
9,10-Anthracenedione	18.85	10.1	ng/ul	564886	4	17.44	1124550	20.0
Phenanthrene, 4,5...	19.06	3.2	ng/ul	178456	4	17.44	1124550	20.0
Phenanthrene, 3,6...	19.10	2.8	ng/ul	155349	4	17.44	1124550	20.0
di-p-Tolylacetylene	19.15	2.8	ng/ul	157283	4	17.44	1124550	20.0
Phenanthrene, 2,5...	19.23	10.1	ng/ul	567004	4	17.44	1124550	20.0
9,10-Bis(bromomet...	19.29	2.6	ng/ul	145482	4	17.44	1124550	20.0