LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014483.D
Acq On : 05 Mar 2018 21:24
Operator : SJ/JU
Sample : J1678-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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	6.728	627	636	650	rBV	377811	812230	5.94%	0.490%
2	6.863	653	659	667	rBV	321126	521145	3.81%	0.315%
3	7.051	685	691	702	rBV	497525	845384	6.18%	0.511%
4	7.510	763	769	777	rBV	373374	620513	4.54%	0.375%
5	8.245	888	894	908	rBV2	502058	989138	7.23%	0.597%
6	8.675	960	967	980	rBV	475213	876490	6.41%	0.529%
7	9.386	1082	1088	1098	rBV	433675	778445	5.69%	0.470%
8	9.939	1174	1182	1195	rBV	497295	1079760	7.89%	0.652%
9	10.280	1226	1240	1244	rBV	501862	845234	6.18%	0.510%
10	10.333	1244	1249	1257	rVB	290054	500345	3.66%	0.302%
11	10.451	1262	1269	1284	rBV2	234043	581216	4.25%	0.351%
12	11.133	1378	1385	1402	rBV6	114878	331435	2.42%	0.200%
13	11.957	1518	1525	1532	rBV	280069	458162	3.35%	0.277%
14	12.180	1557	1563	1570	rVB2	282418	456162	3.34%	0.275%
15	13.486	1776	1785	1790	rBV2	353204	656173	4.80%	0.396%
16	13.545	1790	1795	1799	rVV3	225357	371512	2.72%	0.224%
17	13.598	1799	1804	1808	rVV	1007369	1429298	10.45%	0.863%
18	13.639	1808	1811	1817	rVB	269616	376712	2.75%	0.227%
19	13.863	1841	1849	1853	rBV	1215726	1943586	14.21%	1.174%
20	14.174	1892	1902	1907	rVV2	679679	1164499	8.51%	0.703%
21	14.239	1907	1913	1921	rVB	438713	721330	5.27%	0.436%
22	14.480	1948	1954	1965	rBV4	294186	798149	5.84%	0.482%
23	14.580	1966	1971	1976	rVV	426637	674151	4.93%	0.407%
24	14.798	2002	2008	2013	rBV2	163138	284918	2.08%	0.172%
25	14.974	2030	2038	2041	rBV5	139311	330822	2.42%	0.200%
26	15.174	2067	2072	2077	rBV	1386794	1935110	14.15%	1.169%
27	15.233	2077	2082	2087	rVB	616842	880838	6.44%	0.532%
28	15.357	2099	2103	2107	rBV2	399296	544141	3.98%	0.329%
29	15.527	2128	2132	2139	rVB	221998	402435	2.94%	0.243%
30	15.680	2154	2158	2165	rVB	203173	375060	2.74%	0.226%
31	15.915	2191	2198	2209	rVB6	162336	431261	3.15%	0.260%
32	16.239	2247	2253	2258	rVV4	238306	532432	3.89%	0.322%
33	16.292	2258	2262	2267	rVV	218697	311149	2.27%	0.188%
34	16.392	2275	2279	2284	rVB3	184732	290779	2.13%	0.176%

LSC Area Percent Report

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Sample : J1678-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

35	16.509	2295	2299	2309	rVV3	433905	715710	5.23%	0.432%
36	16.604	2309	2315	2320	rVV	393491	571429	4.18%	0.345%
37	16.686	2322	2329	2334	rVV3	426997	791736	5.79%	0.478%
38	16.756	2336	2341	2348	rVB	470166	738860	5.40%	0.446%
39	16.939	2367	2372	2375	rVV	744538	1153025	8.43%	0.696%
40	16.986	2375	2380	2385	rVV	8814847	11529415	84.29%	6.962%
41	17.039	2385	2389	2392	rVV	1606812	2306310	16.86%	1.393%
42	17.074	2392	2395	2400	rVB	1346902	1653284	12.09%	0.998%
43	17.139	2400	2406	2410	rBV3	294630	518517	3.79%	0.313%
44	17.356	2435	2443	2448	rBV2	555020	1156311	8.45%	0.698%
45	17.515	2467	2470	2480	rVB3	292694	673185	4.92%	0.407%
46	17.656	2490	2494	2502	rVB3	207856	414131	3.03%	0.250%
47	17.815	2515	2521	2524	rBV	1628308	2295641	16.78%	1.386%
48	17.862	2524	2529	2535	rVV2	2842409	4767774	34.86%	2.879%
49	17.945	2539	2543	2548	rVV	551672	838688	6.13%	0.506%
50	18.009	2548	2554	2558	rVV2	1807593	3251927	23.78%	1.964%
51	18.045	2558	2560	2568	rVB	1142996	1552905	11.35%	0.938%
52	18.127	2570	2574	2579	rBV4	184505	342616	2.50%	0.207%
53	18.215	2586	2589	2595	rBV5	165085	262119	1.92%	0.158%
54	18.321	2602	2607	2613	rVV	826751	1234303	9.02%	0.745%
55	18.386	2613	2618	2622	rVV2	685361	1062796	7.77%	0.642%
56	18.568	2641	2649	2654	rBV3	455487	967837	7.08%	0.584%
57	18.621	2655	2658	2662	rVV	413455	494078	3.61%	0.298%
58	18.662	2662	2665	2670	rVB	329034	427709	3.13%	0.258%
59	18.745	2674	2679	2683	rBV	1056400	1657981	12.12%	1.001%
60	18.809	2683	2690	2693	rVV2	551957	1189361	8.70%	0.718%
61	18.839	2693	2695	2699	rVB	378426	386098	2.82%	0.233%
62	18.903	2699	2706	2711	rBV3	629914	1333847	9.75%	0.805%
63	19.021	2719	2726	2732	rBV	10554782	13677567	100.00%	8.259%
64	19.080	2733	2736	2739	rVV	288257	385256	2.82%	0.233%
65	19.115	2739	2742	2744	rVV3	358706	515843	3.77%	0.312%
66	19.145	2744	2747	2756	rVV2	808705	1397122	10.21%	0.844%
67	19.256	2760	2766	2770	rVV3	470654	977661	7.15%	0.590%
68	19.298	2770	2773	2778	rVV3	260669	383160	2.80%	0.231%
69	19.356	2778	2783	2785	rVV3	2894144	4820898	35.25%	2.911%
70	19.386	2785	2788	2795	rVV	9276806	12519430	91.53%	7.560%
71	19.456	2796	2800	2805	rVB2	571999	890415	6.51%	0.538%

LSC Area Percent Report

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Sample : J1678-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T4

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

72	19.562	2815	2818	2824	rVB	407355	620895	4.54%	0.375%
73	19.633	2825	2830	2837	rVB2	358160	702510	5.14%	0.424%
74	19.721	2837	2845	2851	rBV3	784052	2064720	15.10%	1.247%
75	19.880	2862	2872	2877	rVB	1386406	3219197	23.54%	1.944%
76	19.986	2886	2890	2893	rBV2	697216	897950	6.57%	0.542%
77	20.045	2893	2900	2903	rBV2	1112925	1780470	13.02%	1.075%
78	20.180	2919	2923	2927	rBV	862741	1129342	8.26%	0.682%
79	20.227	2927	2931	2935	rVB	932849	1233664	9.02%	0.745%
80	20.439	2964	2967	2970	rBV4	178656	263148	1.92%	0.159%
81	20.515	2977	2980	2983	rVB	246203	275213	2.01%	0.166%
82	20.644	2998	3002	3007	rVB	1055745	1360984	9.95%	0.822%
83	20.803	3025	3029	3032	rBV	1078637	1263984	9.24%	0.763%
84	20.839	3032	3035	3037	rVV	651326	660963	4.83%	0.399%
85	20.950	3050	3054	3058	rVB	1006740	1271482	9.30%	0.768%
86	21.150	3082	3088	3093	rBV2	5357654	9219132	67.40%	5.567%
87	21.197	3093	3096	3101	rVB	4959564	6085591	44.49%	3.675%
88	21.309	3112	3115	3119	rBV	459094	601389	4.40%	0.363%
89	21.380	3124	3127	3134	rBV6	329348	755237	5.52%	0.456%
90	21.644	3170	3172	3175	rBV	260273	292475	2.14%	0.177%
91	21.703	3179	3182	3186	rVV	1305316	1660021	12.14%	1.002%
92	21.750	3187	3190	3194	rVB	625958	709210	5.19%	0.428%
93	21.891	3211	3214	3219	rBV3	681363	1086894	7.95%	0.656%
94	22.703	3346	3352	3357	rBV	3240367	7697997	56.28%	4.649%
95	22.862	3376	3379	3385	rVB	501112	726778	5.31%	0.439%
96	23.168	3425	3431	3435	rBV	2034021	3807827	27.84%	2.299%
97	23.215	3435	3439	3442	rVV2	1100117	1930074	14.11%	1.166%
98	23.262	3442	3447	3456	rVB	3270964	5435010	39.74%	3.282%
99	23.397	3466	3470	3477	rVB2	759970	1391472	10.17%	0.840%
100	25.544	3828	3835	3843	rVB2	1302202	3450501	25.23%	2.084%

Sum of corrected areas: 165599089

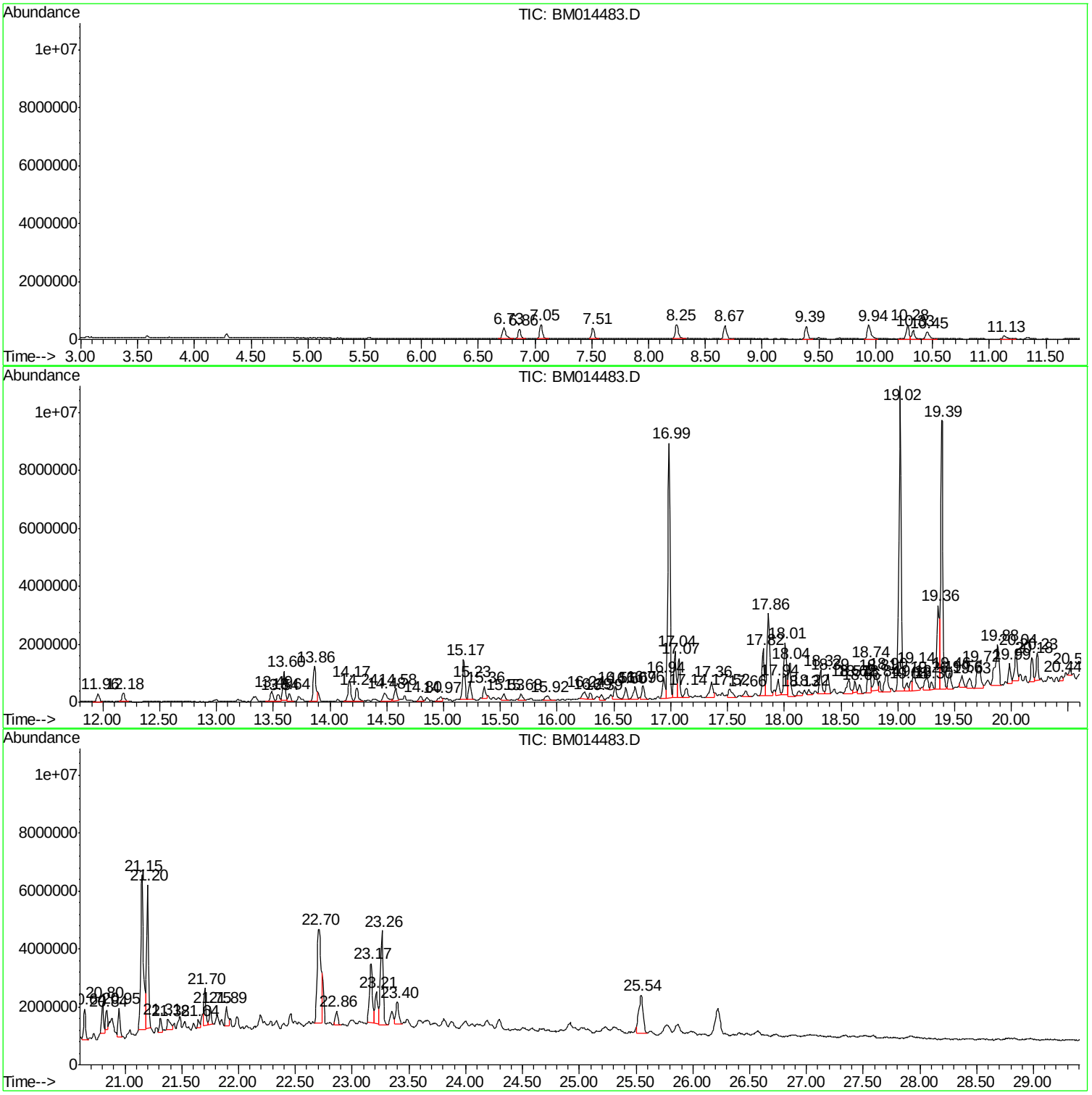
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014483.D
Acq On : 05 Mar 2018 21:24
Operator : SJ/JU
Sample : J1678-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
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Instrument : BNA_M
ClientSampleId : BE5T4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

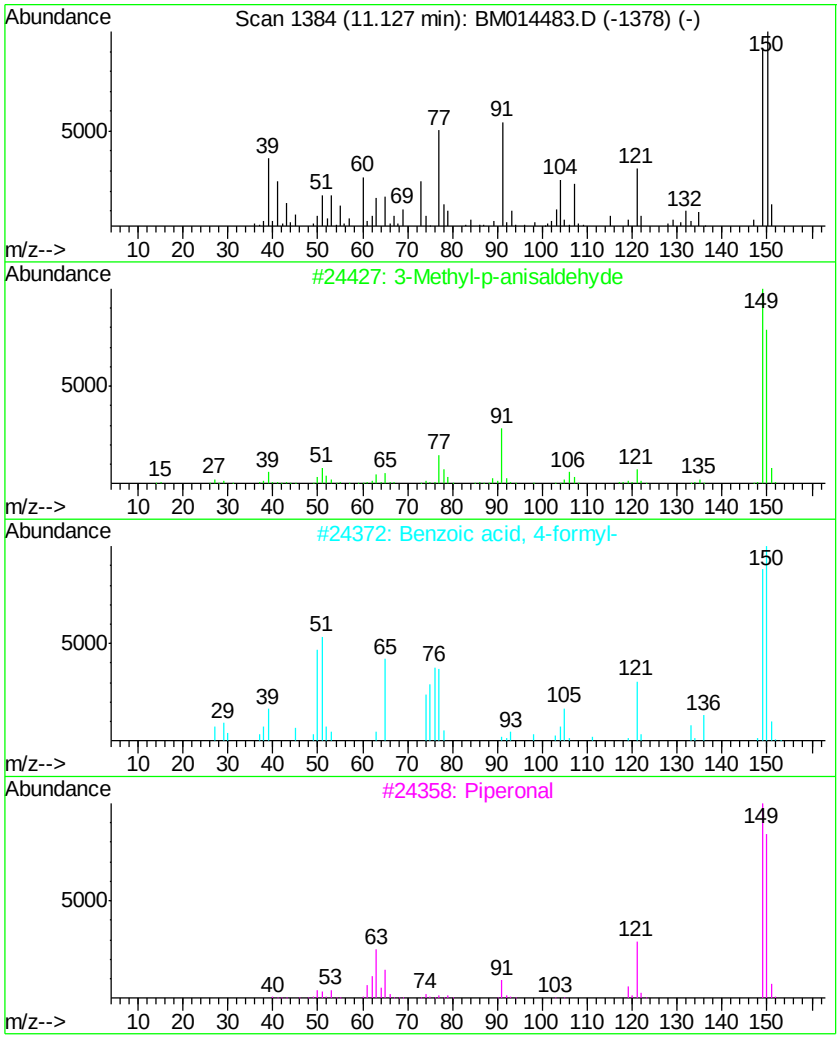
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

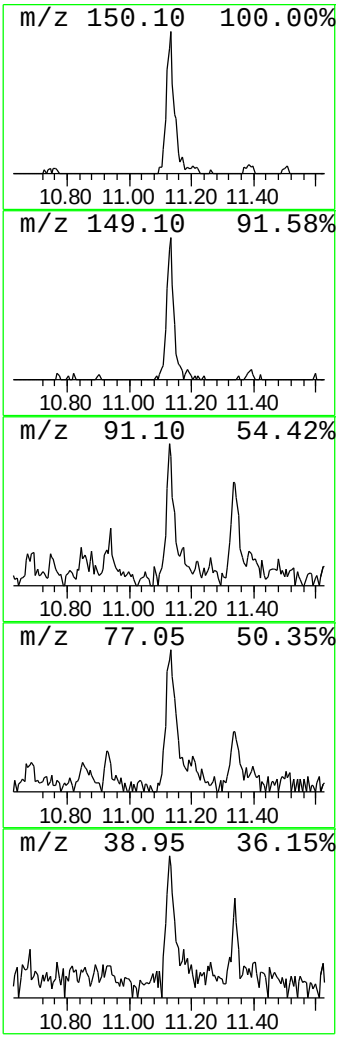
****

Peak Number 1 3-Methyl-p-anisaldehyde Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	7.84 ng/ul	331435	Naphthalene-d8	10.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-p-anisaldehyde	150	C9H10O2	032723-67-4	58
2	Benzoic acid, 4-formyl-	150	C8H6O3	000619-66-9	58
3	Piperonal	150	C8H6O3	000120-57-0	55
4	5-Formylsalicylaldehyde	150	C8H6O3	003328-70-9	49
5	4-Pyridinamine, N,N,2,6-tetramet...	150	C9H14N2	129384-12-9	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014483.D
Acq On : 05 Mar 2018 21:24
Operator : SJ/JU
Sample : J1678-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

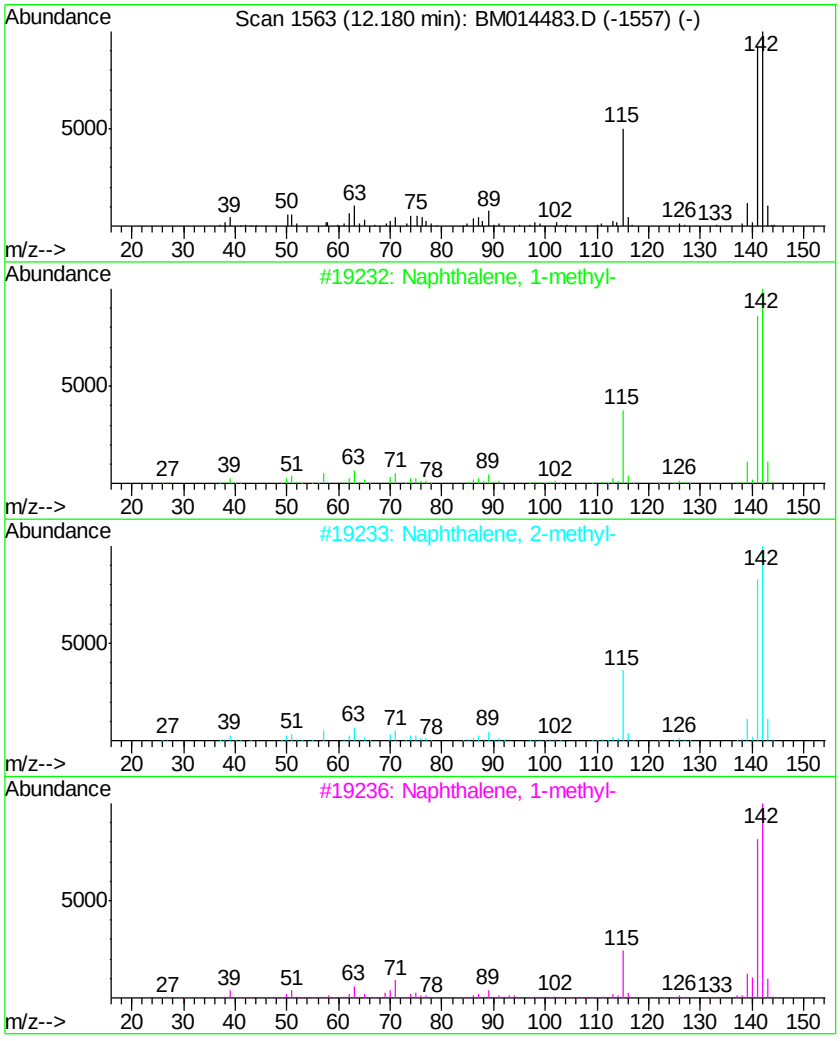
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

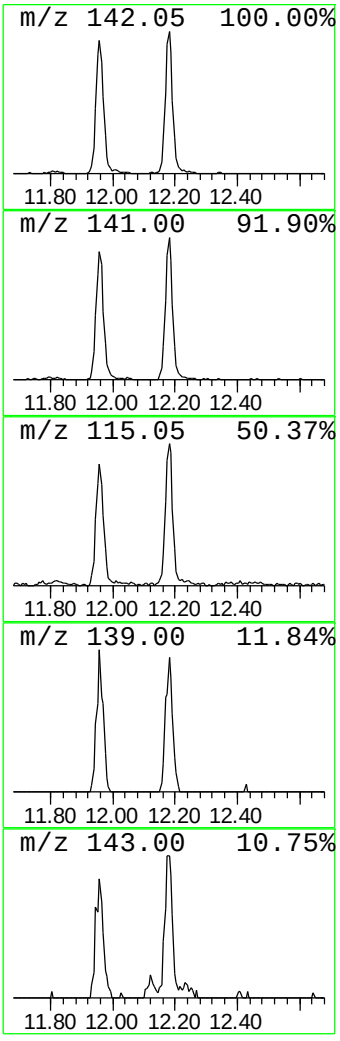
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	10.79 ng/ul	456162	Naphthalene-d8	10.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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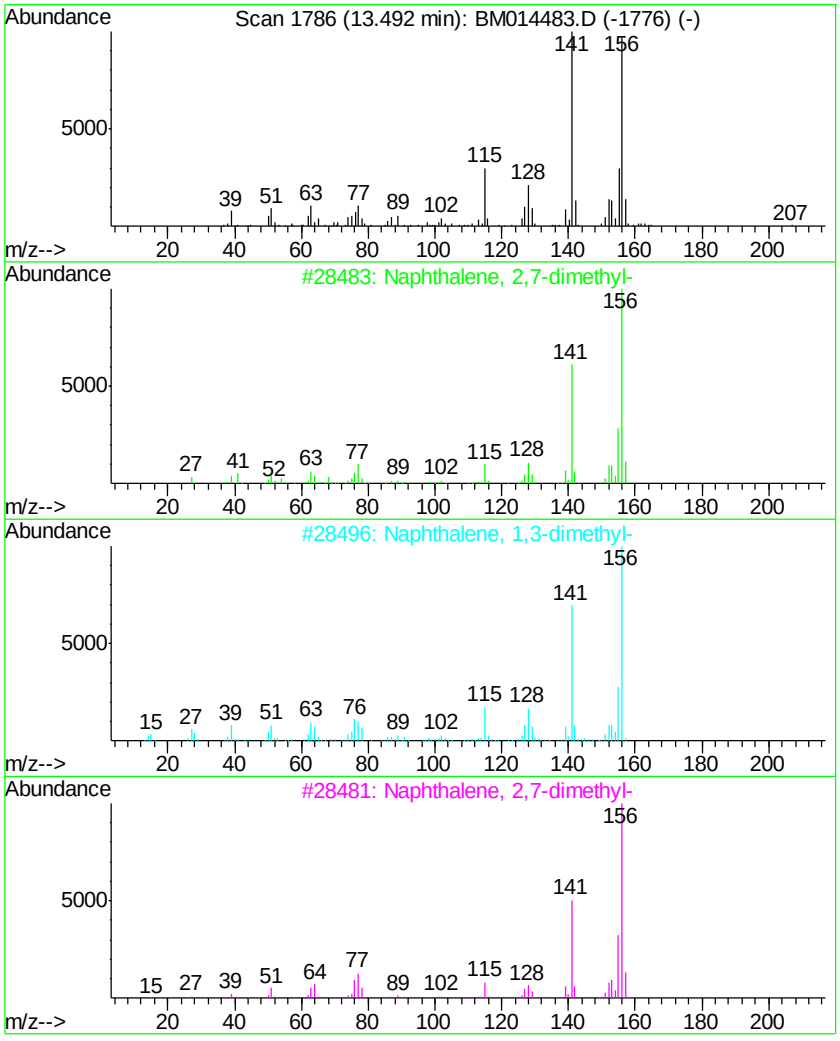
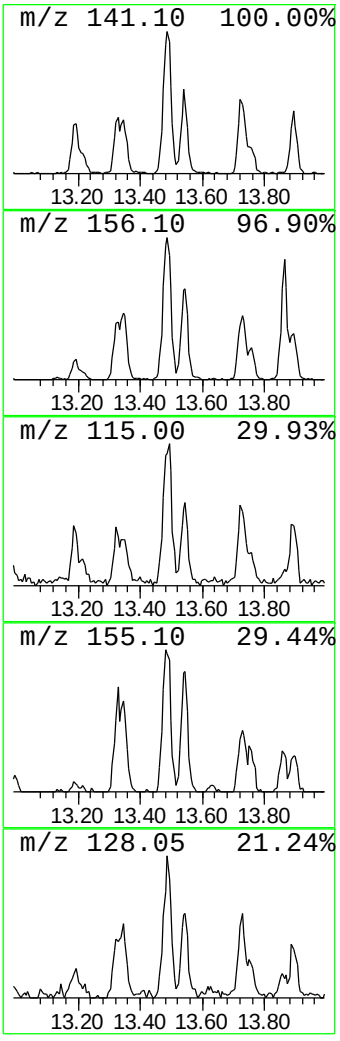
Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	11.27 ng/ul	656173	Acenaphthene-d10	14.17

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





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Acq On : 05 Mar 2018 21:24
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Sample : J1678-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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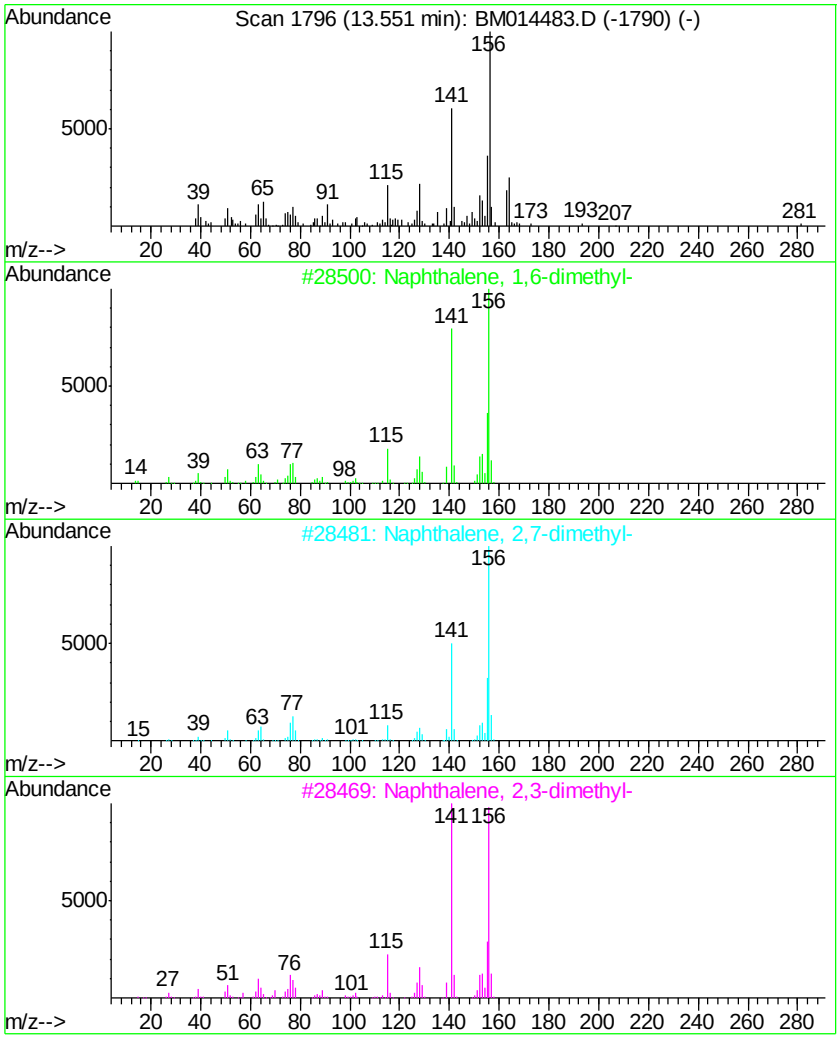
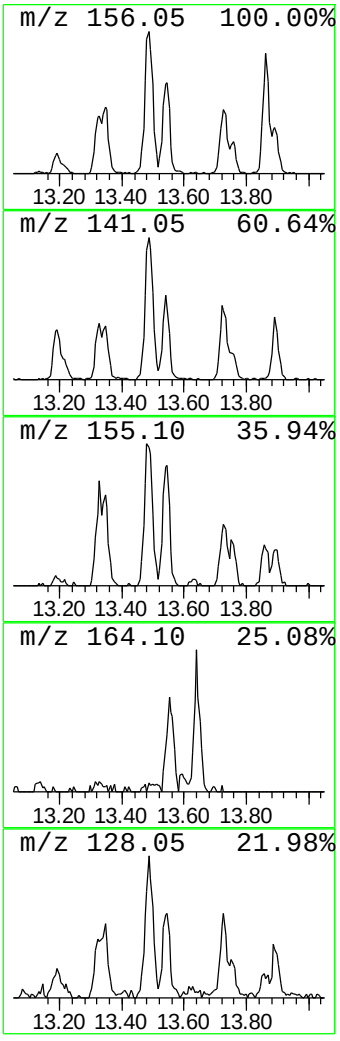
Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	6.38 ng/ul	371512	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
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Operator : SJ/JU
Sample : J1678-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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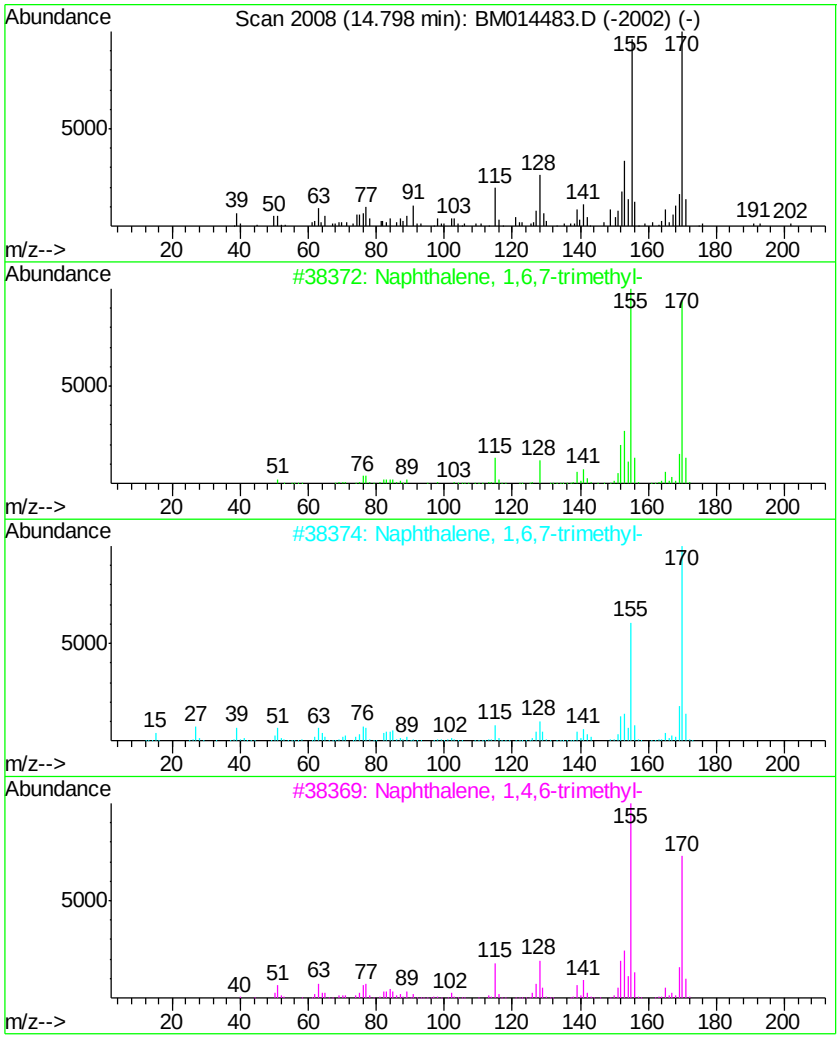
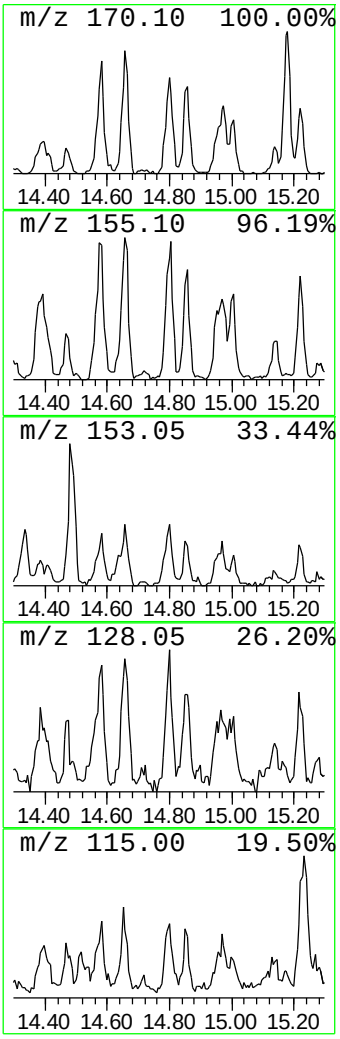
Peak Number 5 Naphthalene, 1,6,7-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	4.89 ng/ul	284918	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94





Library Search Compound Report

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Operator : SJ/JU
Sample : J1678-05
Misc :
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Instrument : BNA_M
ClientSampleId : BE5T4

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Quant Title : SVOA CALIBRATION

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

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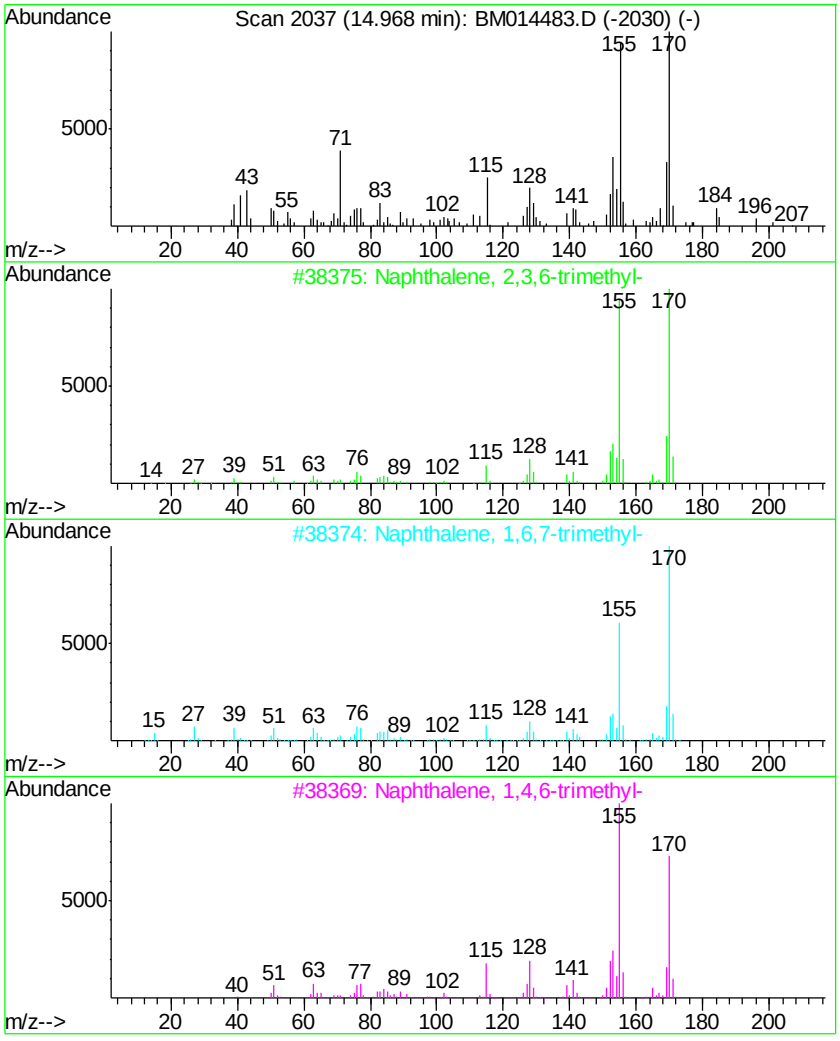
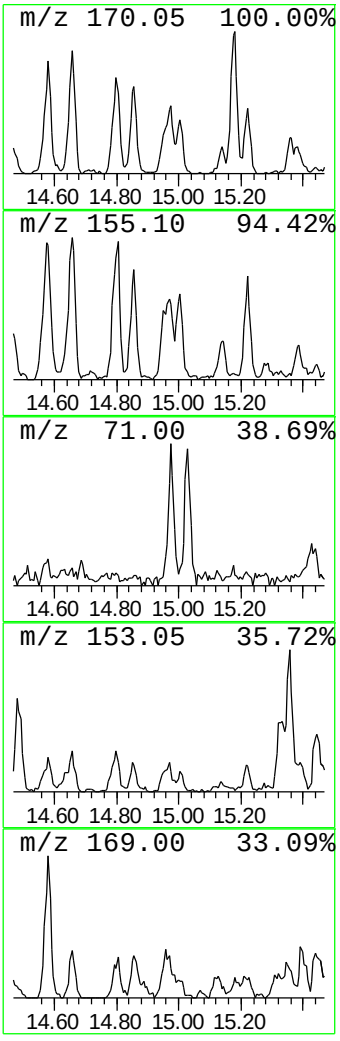
Peak Number 6 Naphthalene, 2,3,6-trimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	5.68 ng/ul	330822	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	92
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	70
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	70
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	62





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Instrument : BNA_M
ClientSampleId : BE5T4

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Quant Title : SVOA CALIBRATION

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

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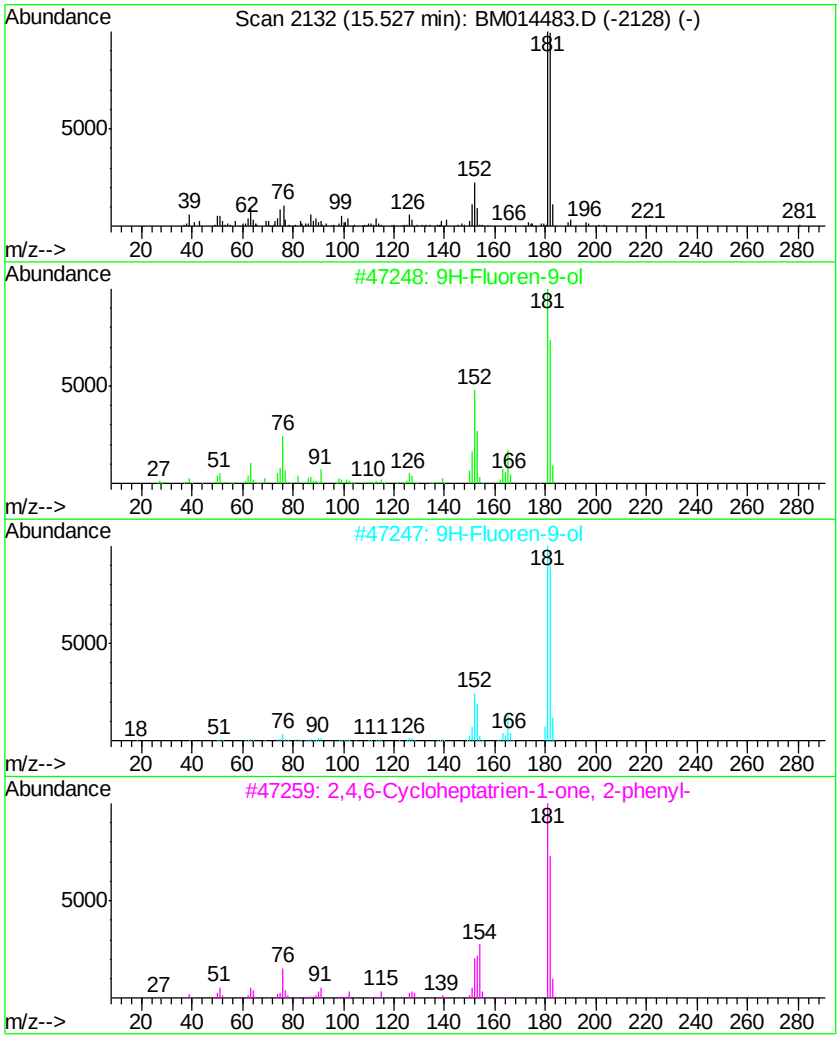
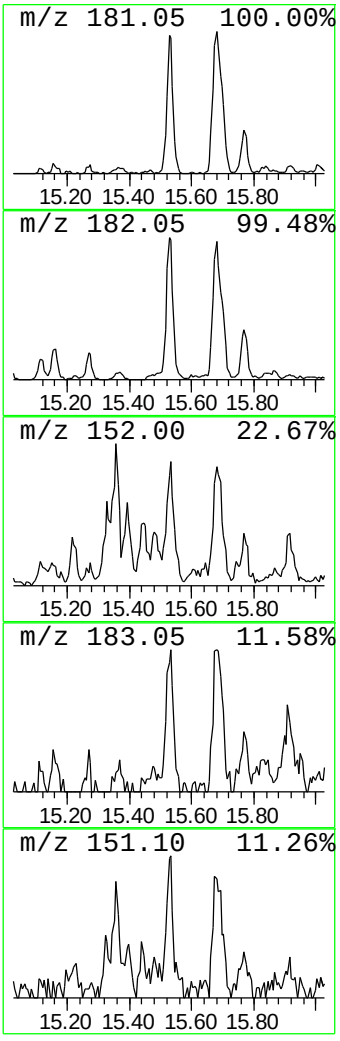
Peak Number 7 9H-Fluoren-9-ol Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	6.91 ng/ul	402435	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	Pyridine, 4,4'-(1,2-ethenediyl)b...	182	C12H10N2	013362-78-2	64





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Instrument : BNA_M
ClientSampleId : BE5T4

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Quant Title : SVOA CALIBRATION

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

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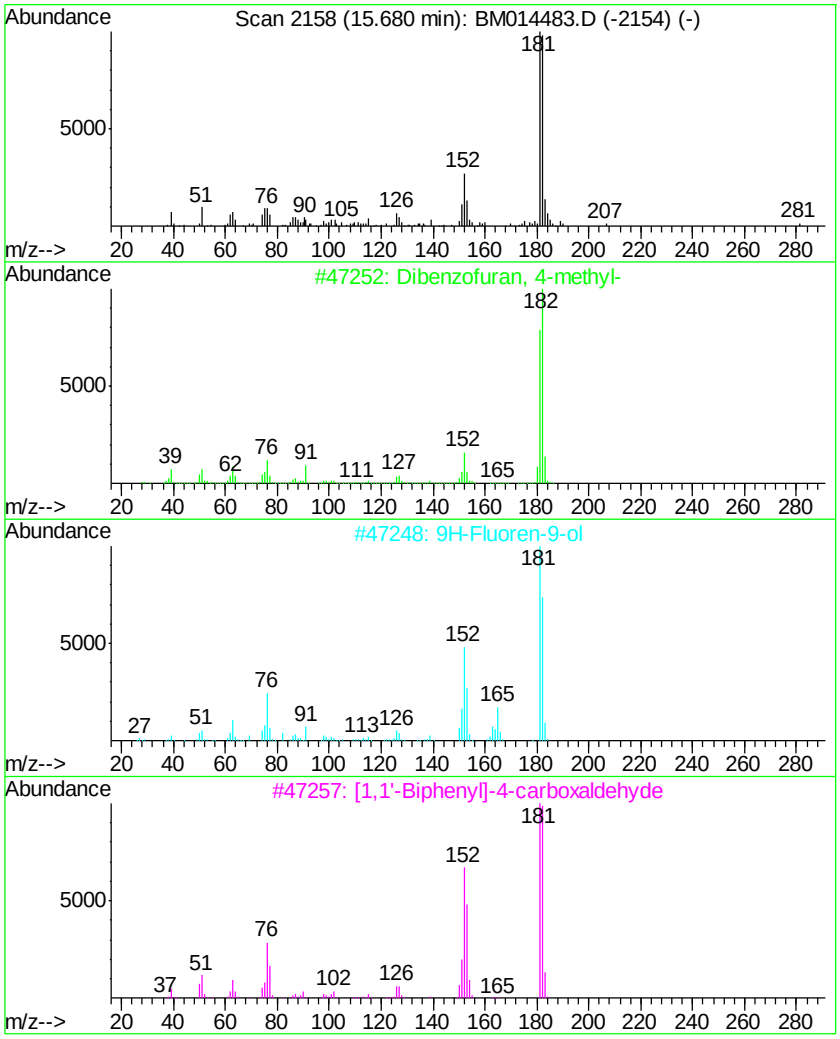
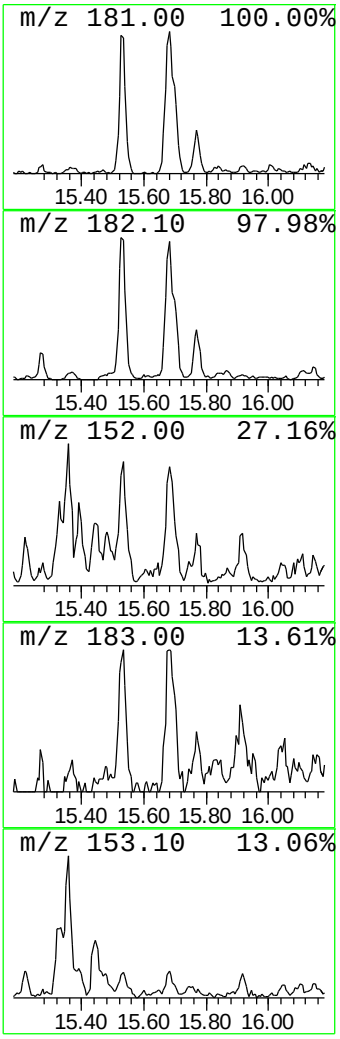
Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	6.51 ng/ul	375060	Phenanthrene-d10	16.94

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	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86





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Quant Title : SVOA CALIBRATION

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

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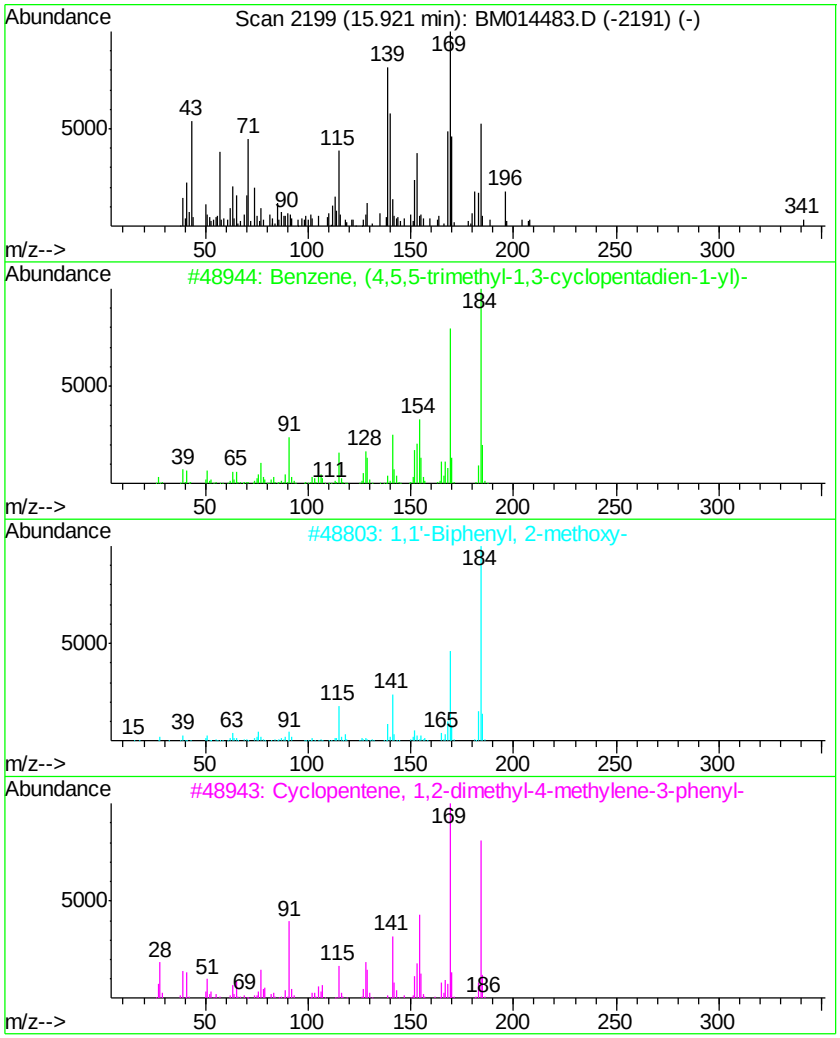
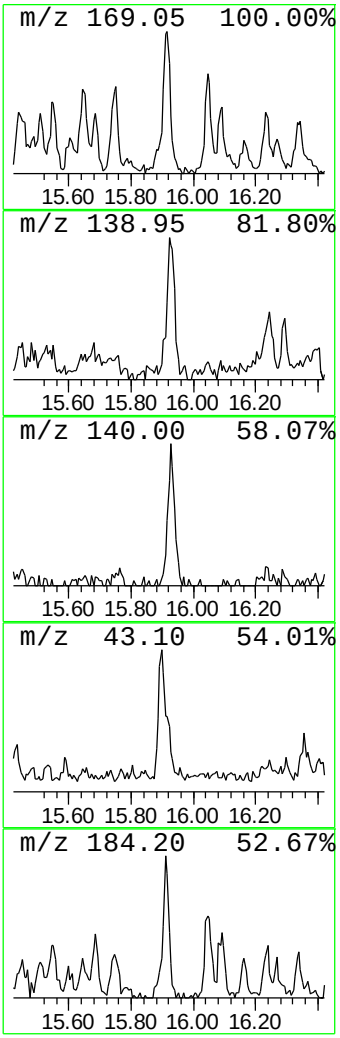
Peak Number 9 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	7.48 ng/ul	431261	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (4,5,5-trimethyl-1,3-cv...	184	C14H16	033930-85-7	46
2	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	46
3	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	46
4	Chamazulene	184	C14H16	000529-05-5	43
5	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	43





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Quant Title : SVOA CALIBRATION

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

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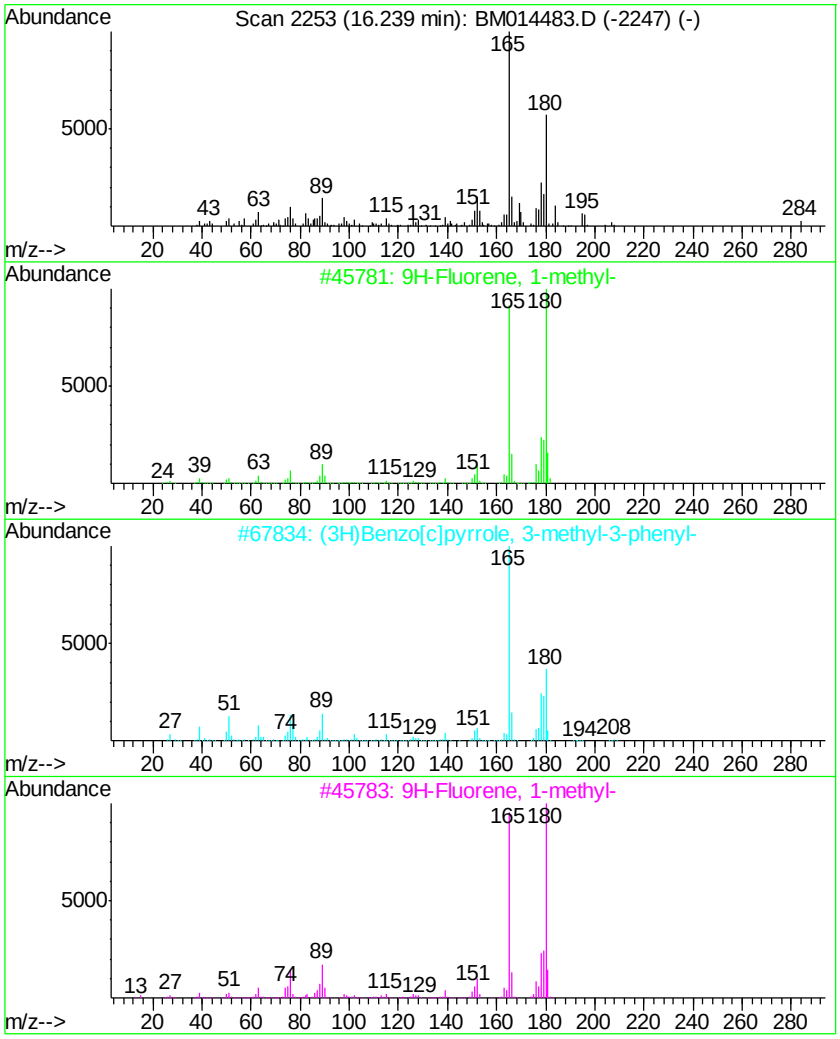
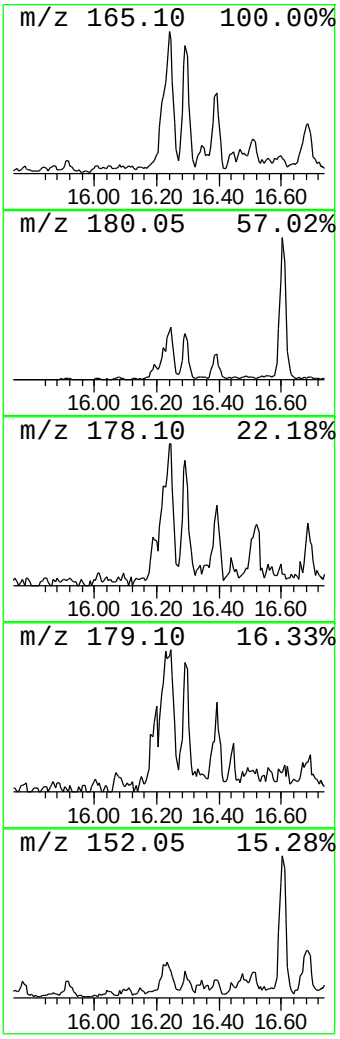
Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	9.24 ng/ul	532432	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
2	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	86
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
5	Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	83





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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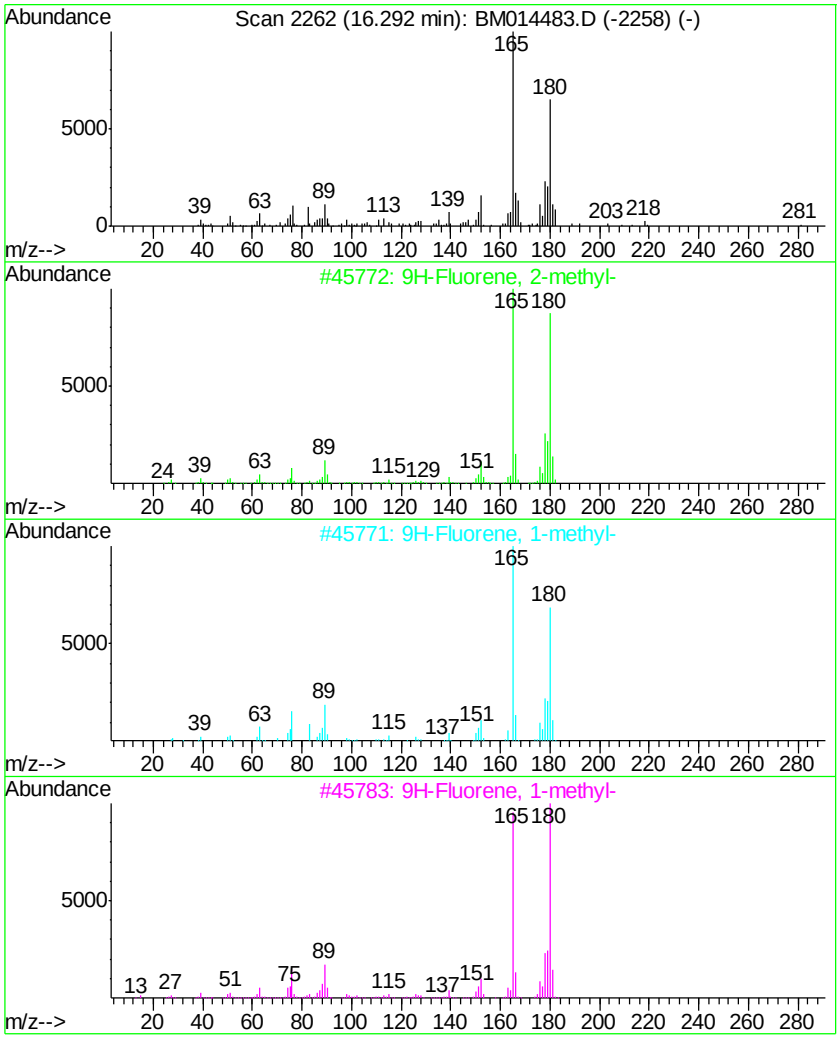
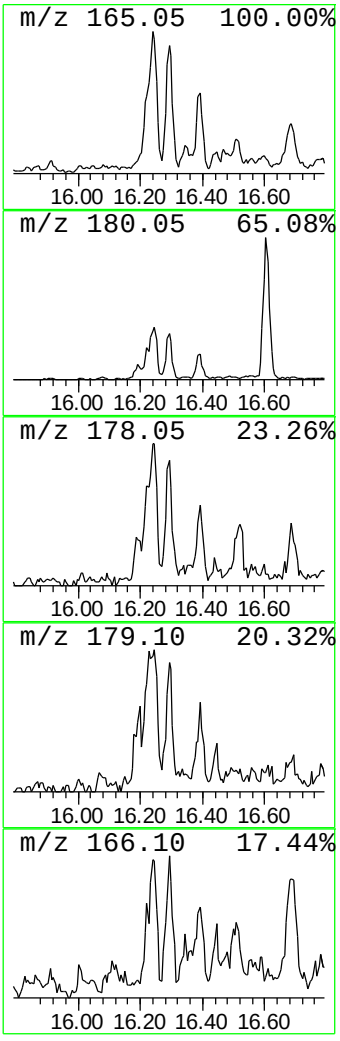
Peak Number 11 9H-Fluorene, 2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	5.40 ng/ul	311149	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	81





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Sample : J1678-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T4

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Quant Title : SVOA CALIBRATION

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

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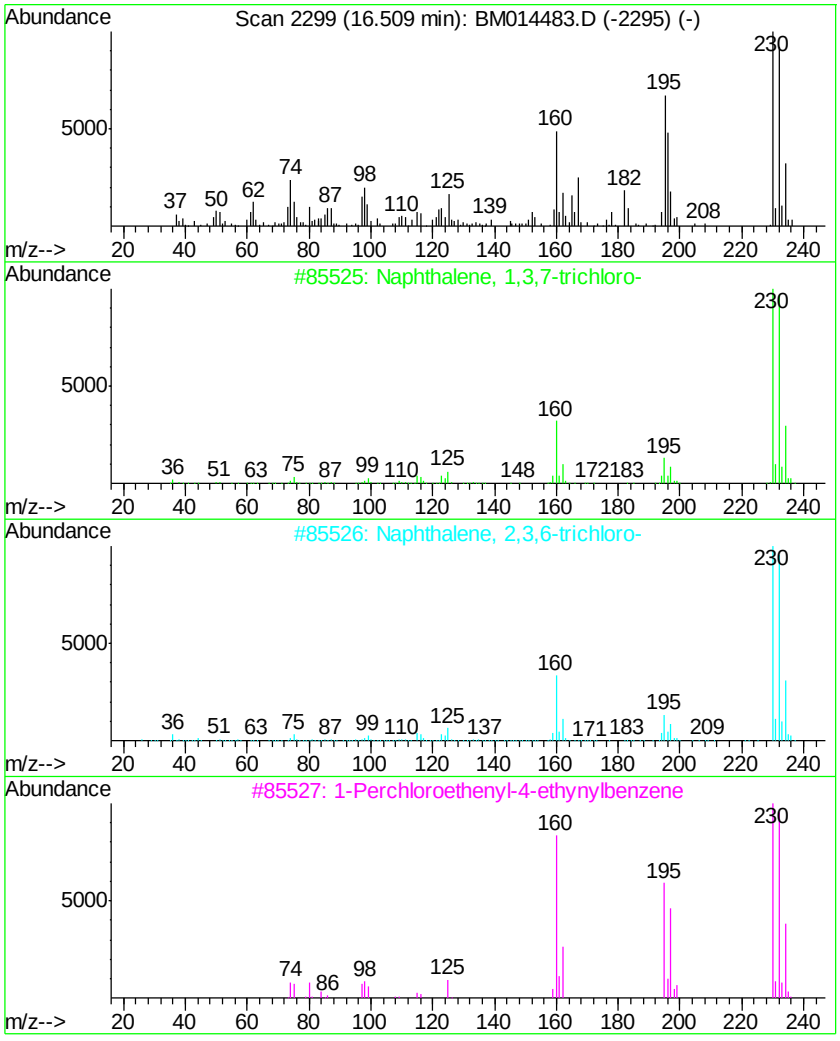
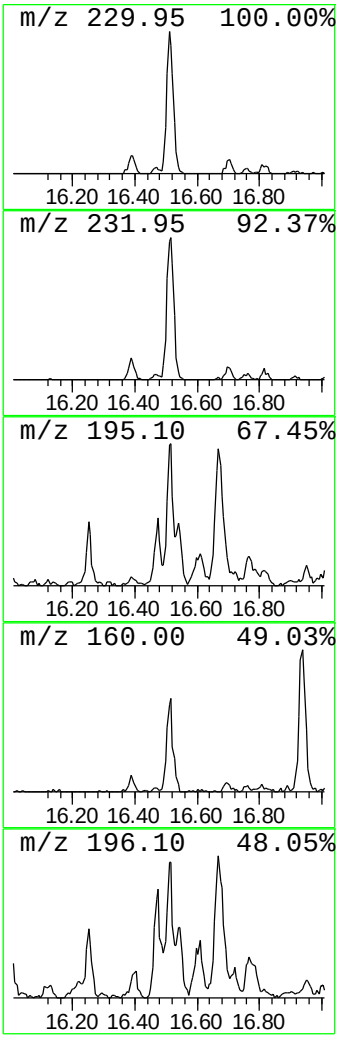
Peak Number 13 Naphthalene, 1,3,7-trichloro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	12.41 ng/ul	715710	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	95
2	Naphthalene, 2,3,6-trichloro-	230	C10H5Cl3	055720-40-6	91
3	1-Perchloroethenyl-4-ethynylbenzene	230	C10H5Cl3	1000283-76-9	89
4	4-Chloro-1,8-naphthalic anhydride	232	C12H5ClO3	004053-08-1	60
5	Acenaphthylene, 1-bromo-	230	C12H7Br	054736-49-1	41





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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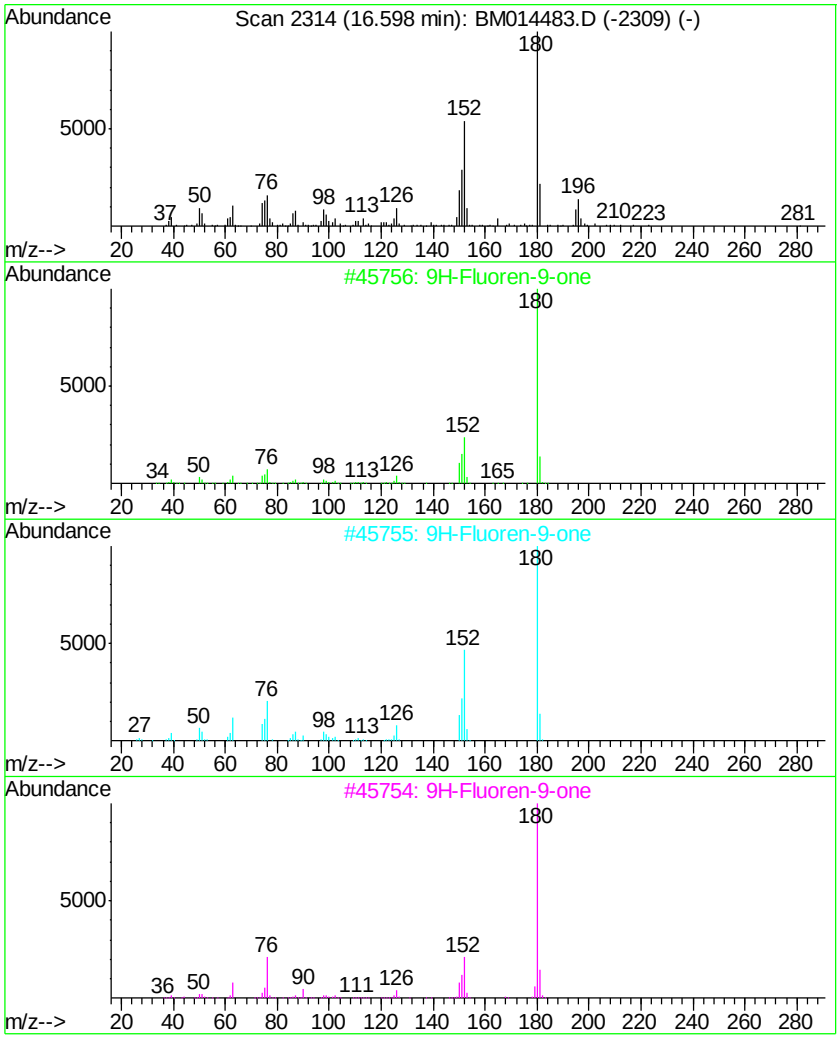
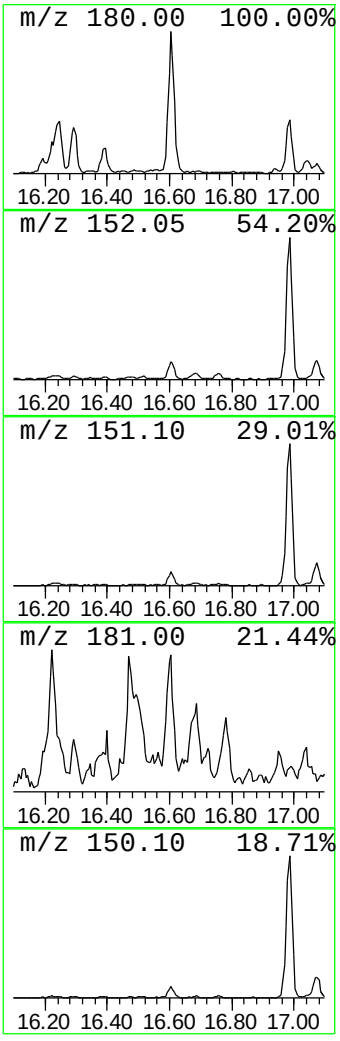
Peak Number 14 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	9.91 ng/ul	571429	Phenanthrene-d10	16.94

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	91
5	Diphenic anhydride	224	C14H8O3	006050-13-1	90





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Quant Title : SVOA CALIBRATION

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

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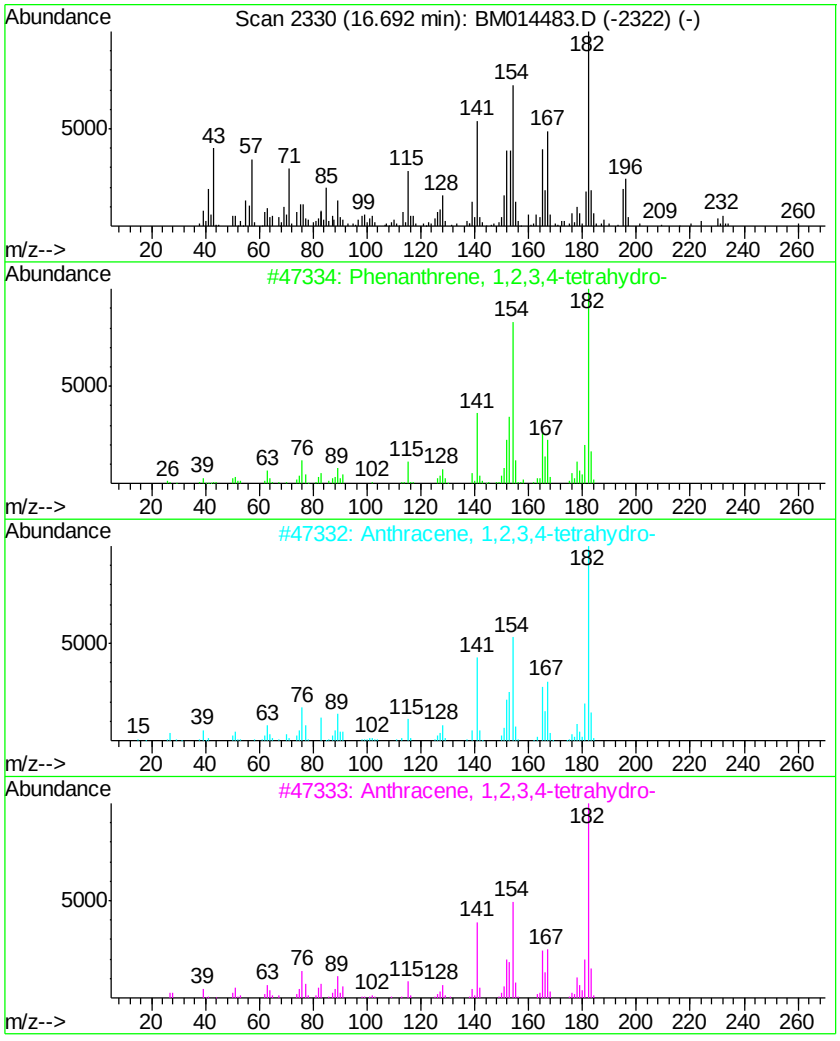
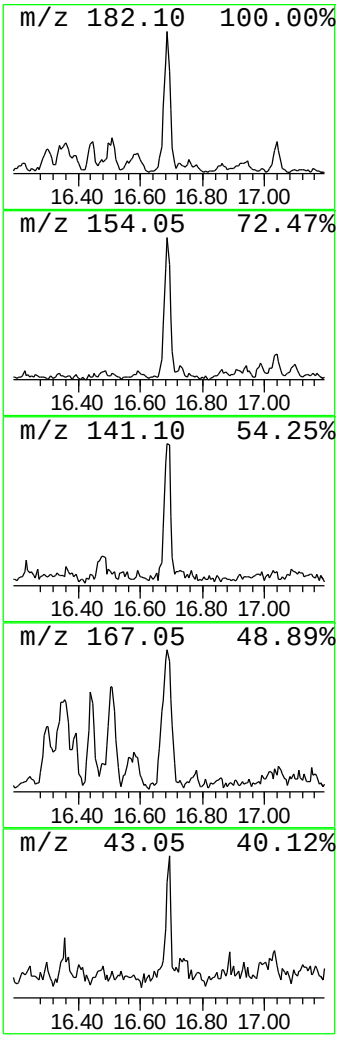
Peak Number 15 Phenanthrene, 1,2,3,4-tetra... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	13.73 ng/ul	791736	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	93
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	90
3	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	74
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	50





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Quant Title : SVOA CALIBRATION

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

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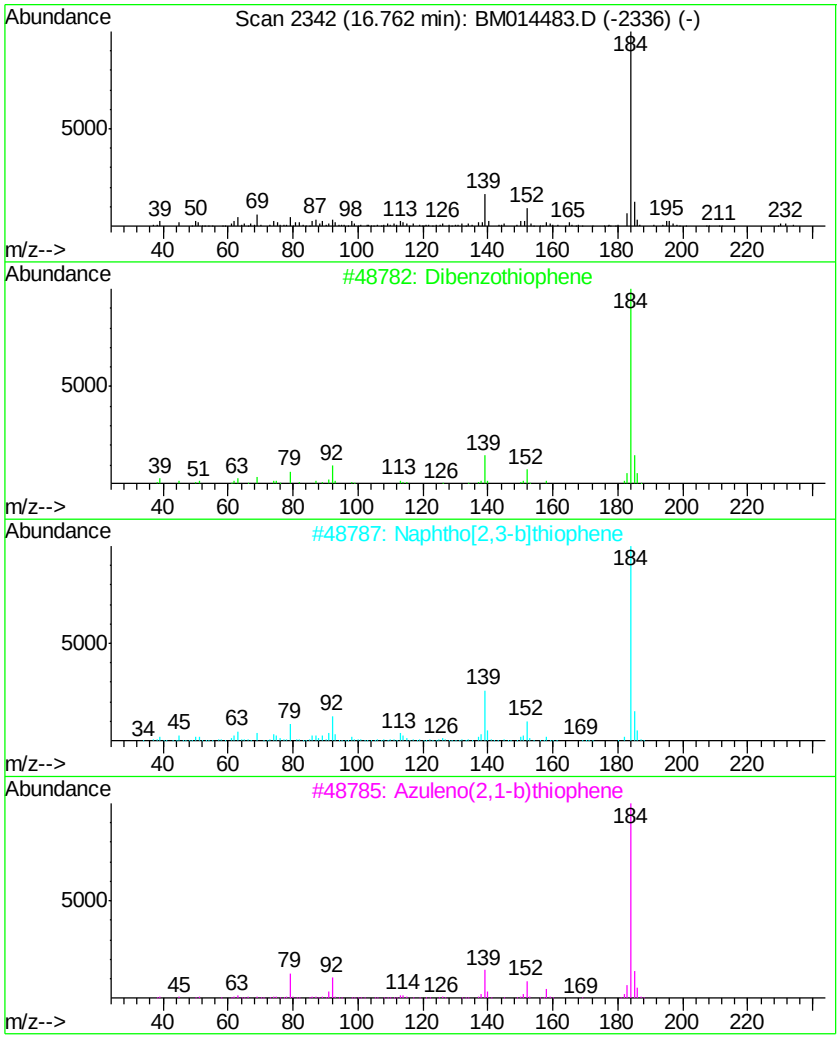
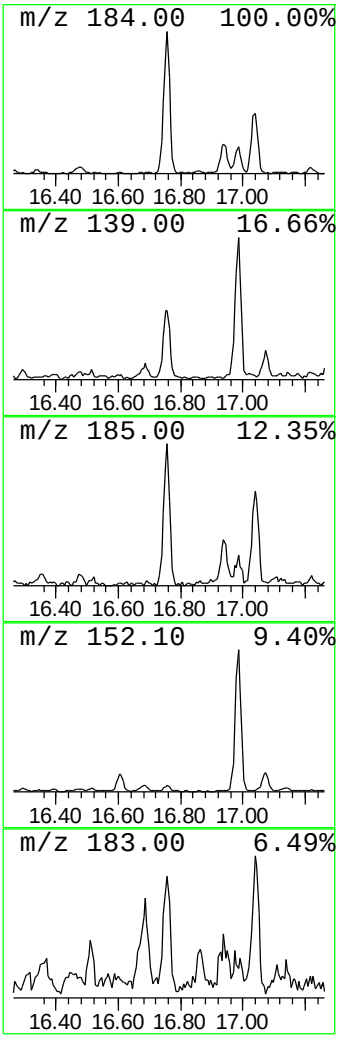
Peak Number 16 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	12.82 ng/ul	738860	Phenanthrene-d10	16.94

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





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Quant Title : SVOA CALIBRATION

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

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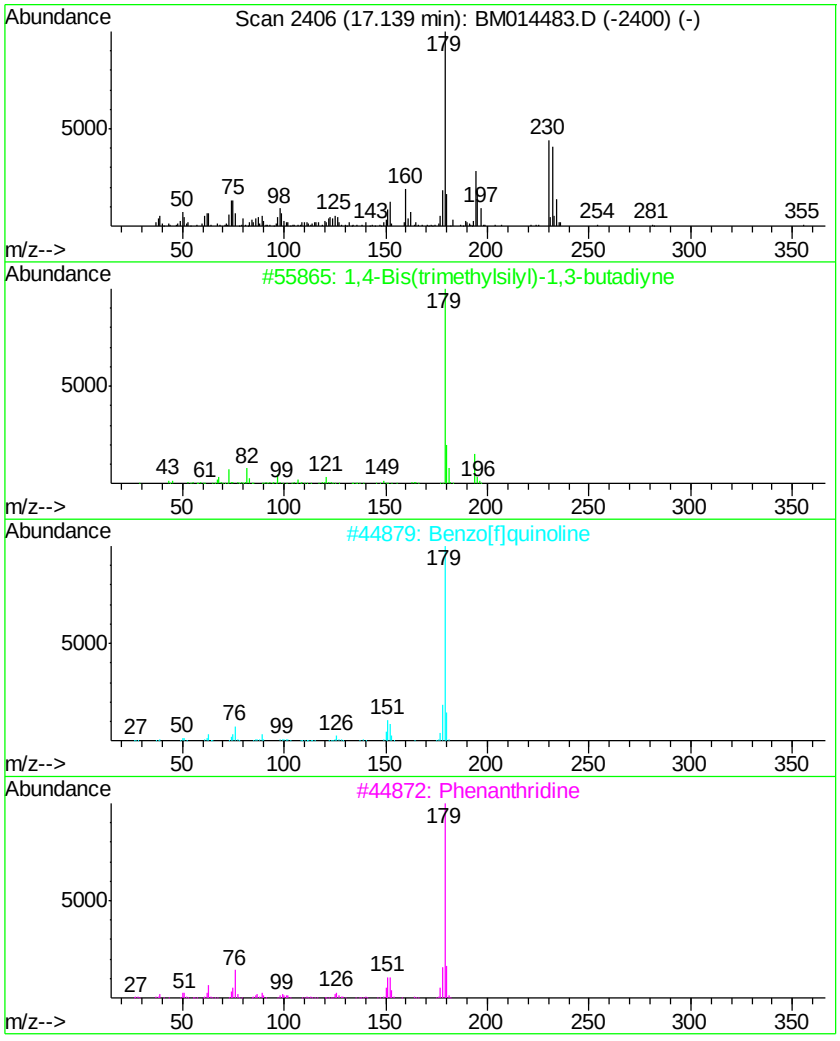
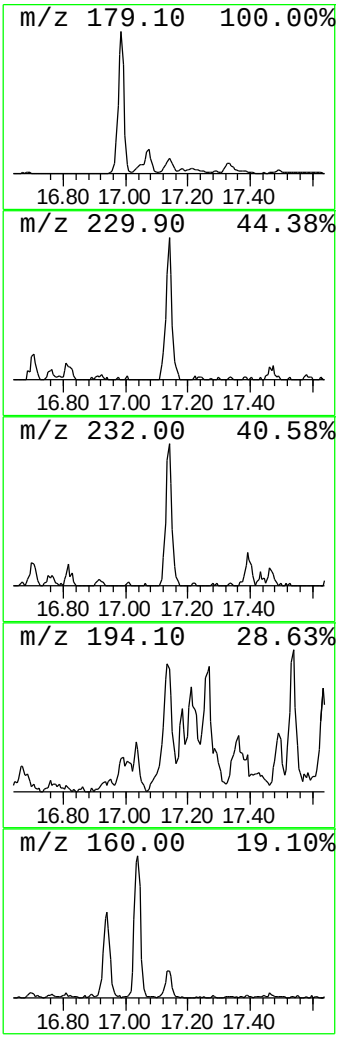
Peak Number 17 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	8.99 ng/ul	518517	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Bis(trimethylsilyl)-1,3-buta...	194	C10H18Si2	004526-07-2	38
2	Benzo[f]quinoline	179	C13H9N	000085-02-9	30
3	Phenanthridine	179	C13H9N	000229-87-8	30
4	Acridine	179	C13H9N	000260-94-6	30
5	Acridine	179	C13H9N	000260-94-6	30





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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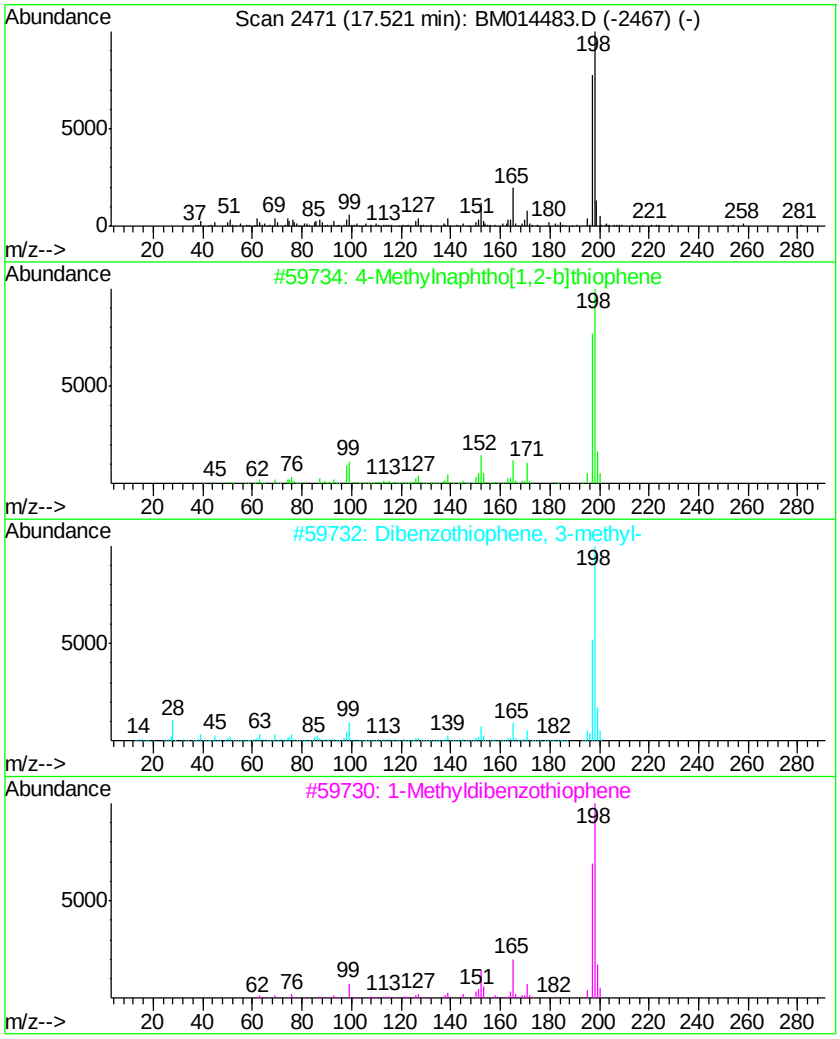
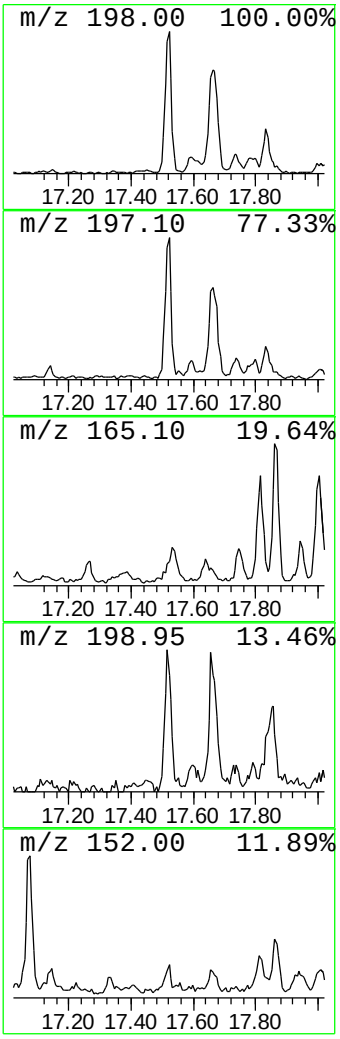
Peak Number 18 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	11.68 ng/ul	673185	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	89
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	89
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





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Sample : J1678-05
Misc :
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Instrument : BNA_M
ClientSampleId : BE5T4

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Quant Title : SVOA CALIBRATION

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

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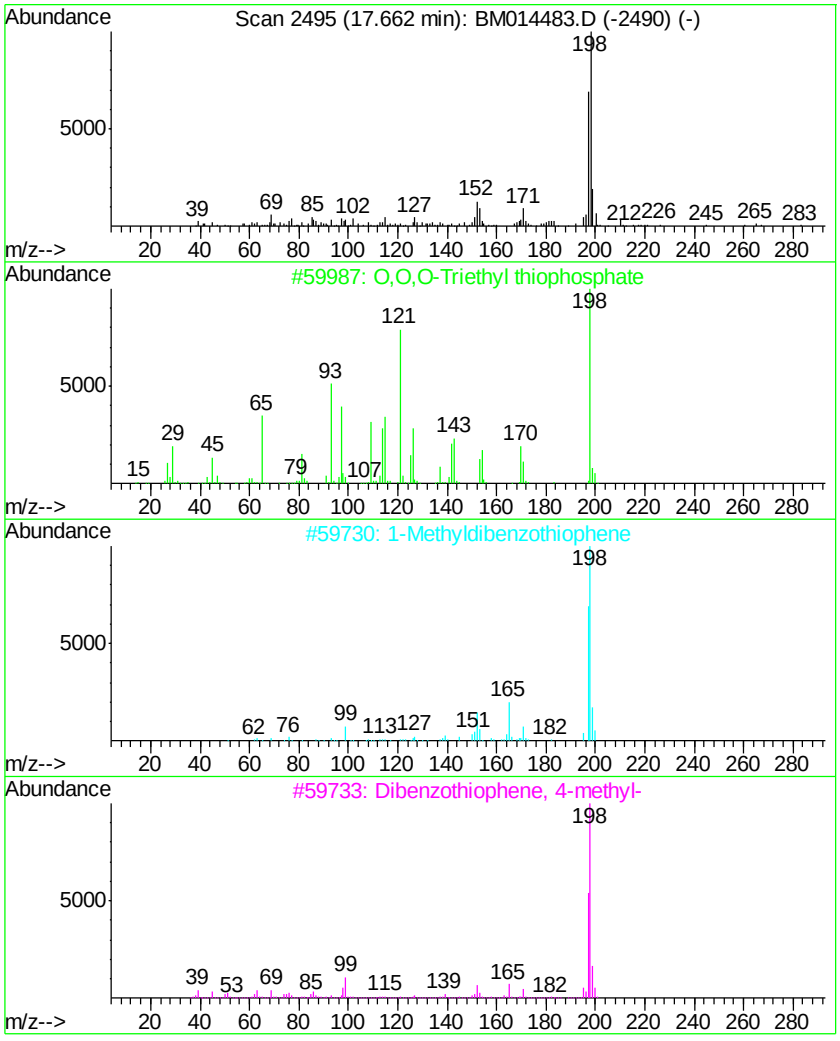
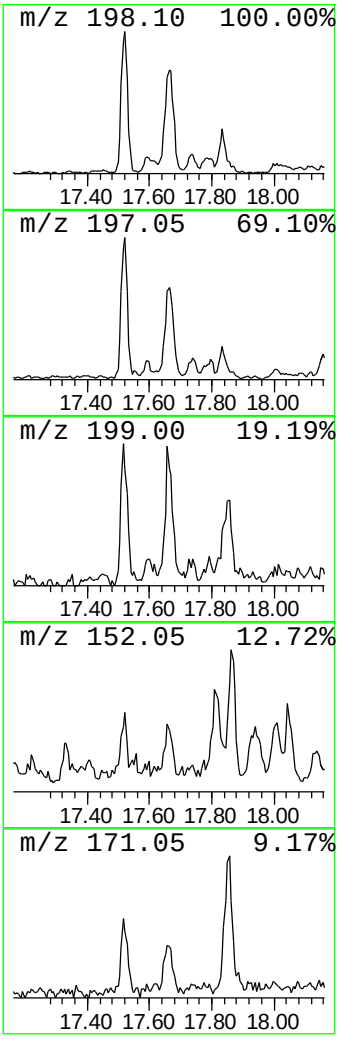
Peak Number 19 O,O,O-Triethyl thiophosphate Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	7.18 ng/ul	414131	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	O,O,O-Triethyl thiophosphate	198	C6H15O3PS	000126-68-1	89
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	80
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	80
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	78





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Quant Title : SVOA CALIBRATION

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

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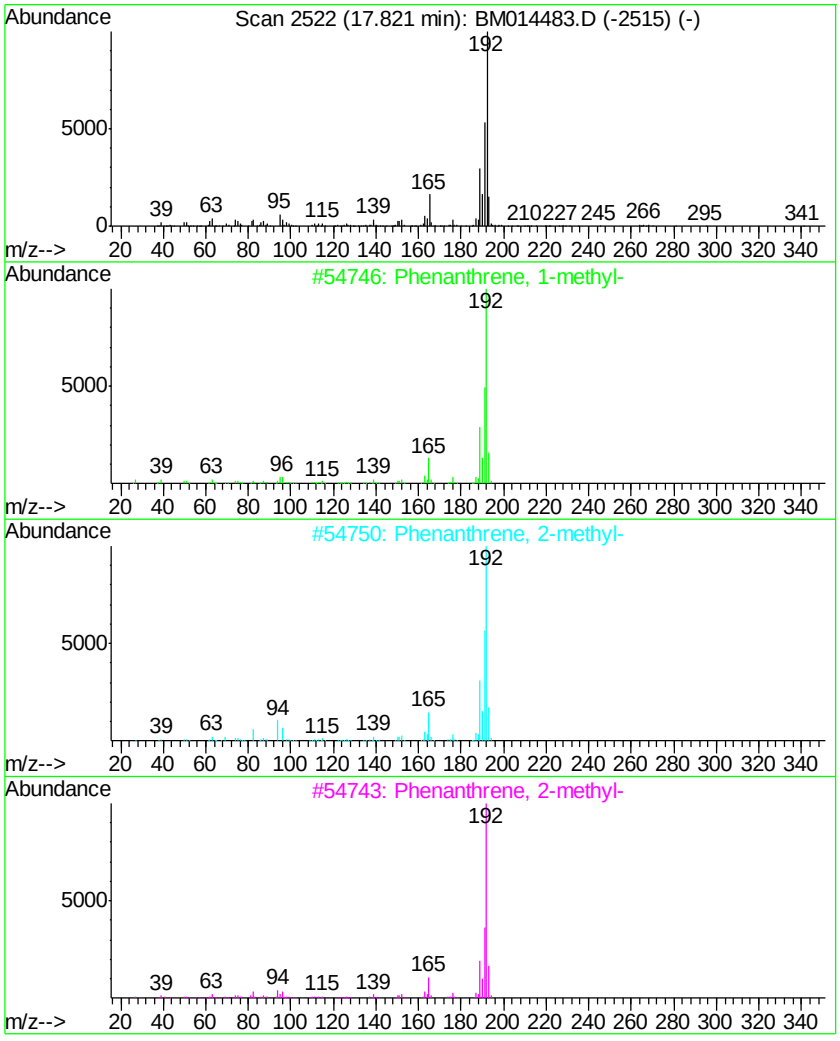
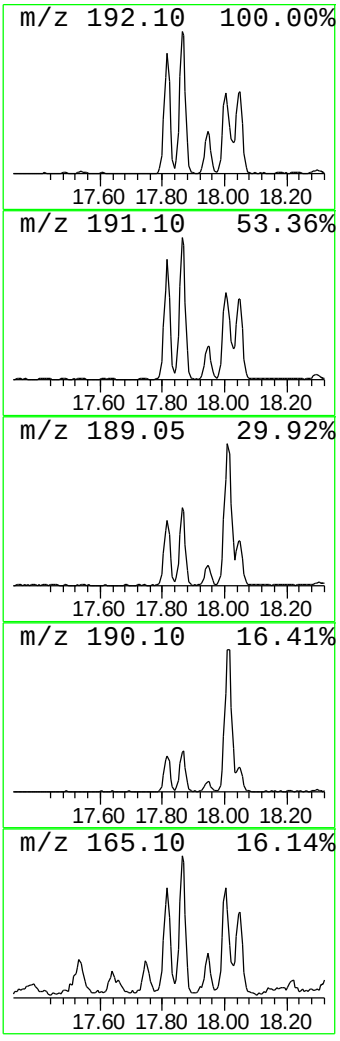
Peak Number 20 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	39.82 ng/ul	2295640	Phenanthrene-d10	16.94

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Quant Title : SVOA CALIBRATION

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

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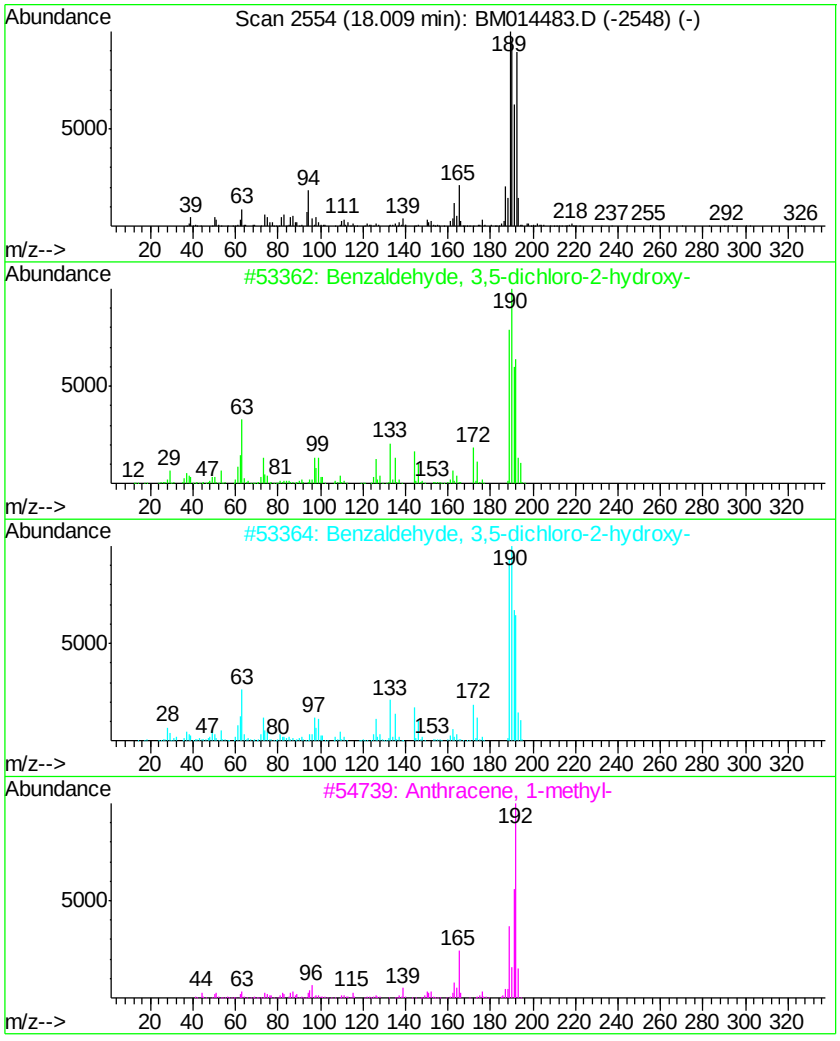
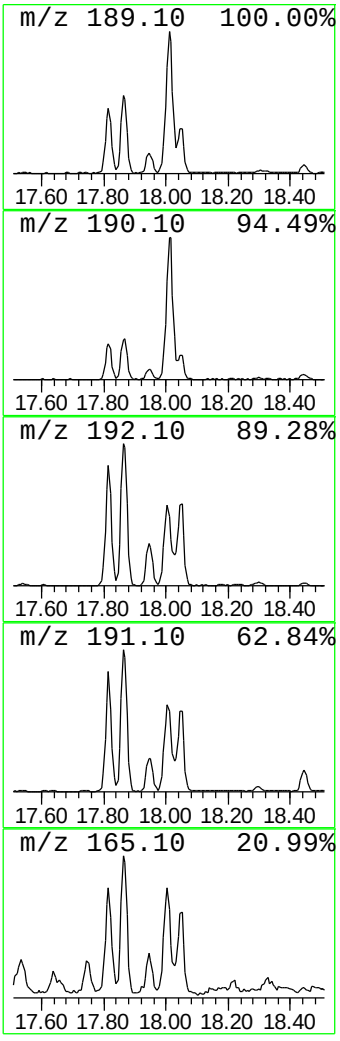
Peak Number 21 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	56.41 ng/ul	3251930	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
4	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	58
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55





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Instrument : BNA_M
ClientSampleId : BE5T4

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Quant Title : SVOA CALIBRATION

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

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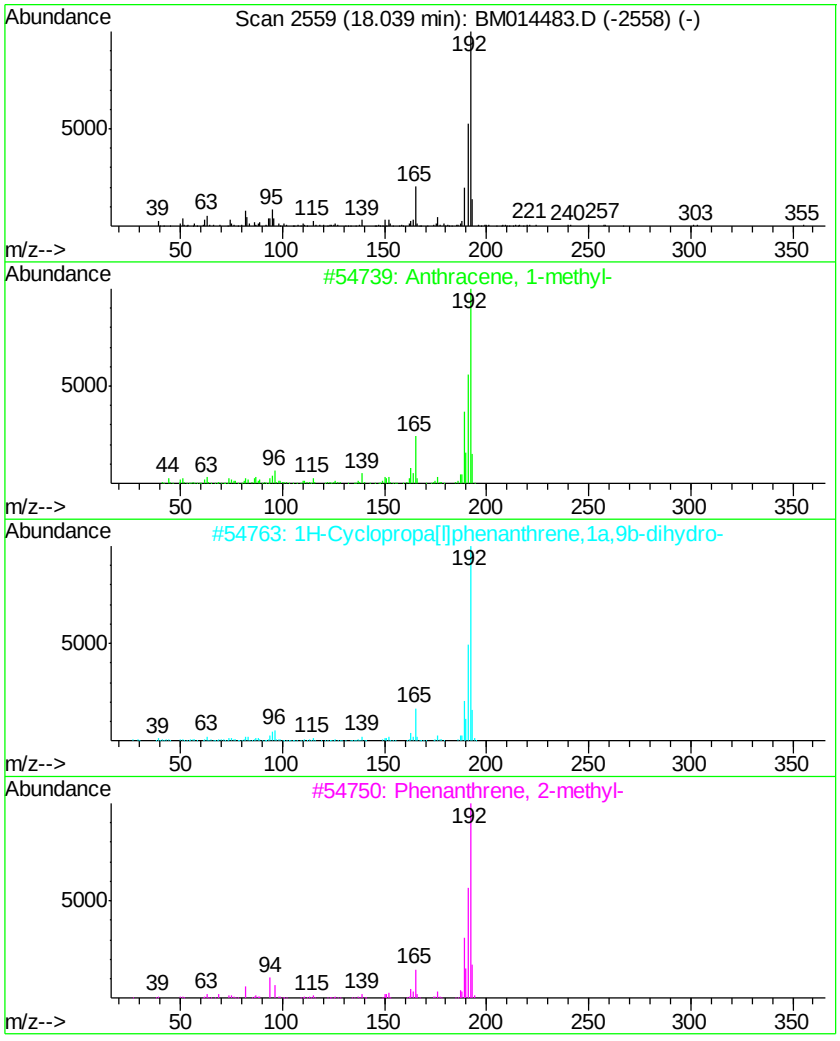
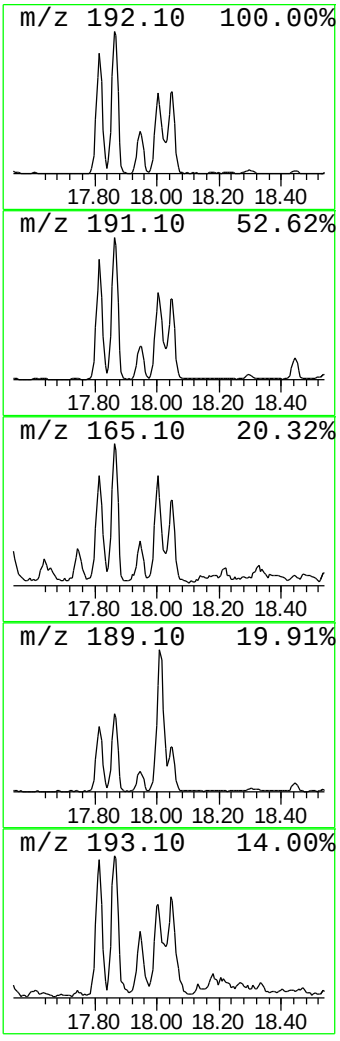
Peak Number 22 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	26.94 ng/ul	1552910	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83





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Quant Title : SVOA CALIBRATION

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

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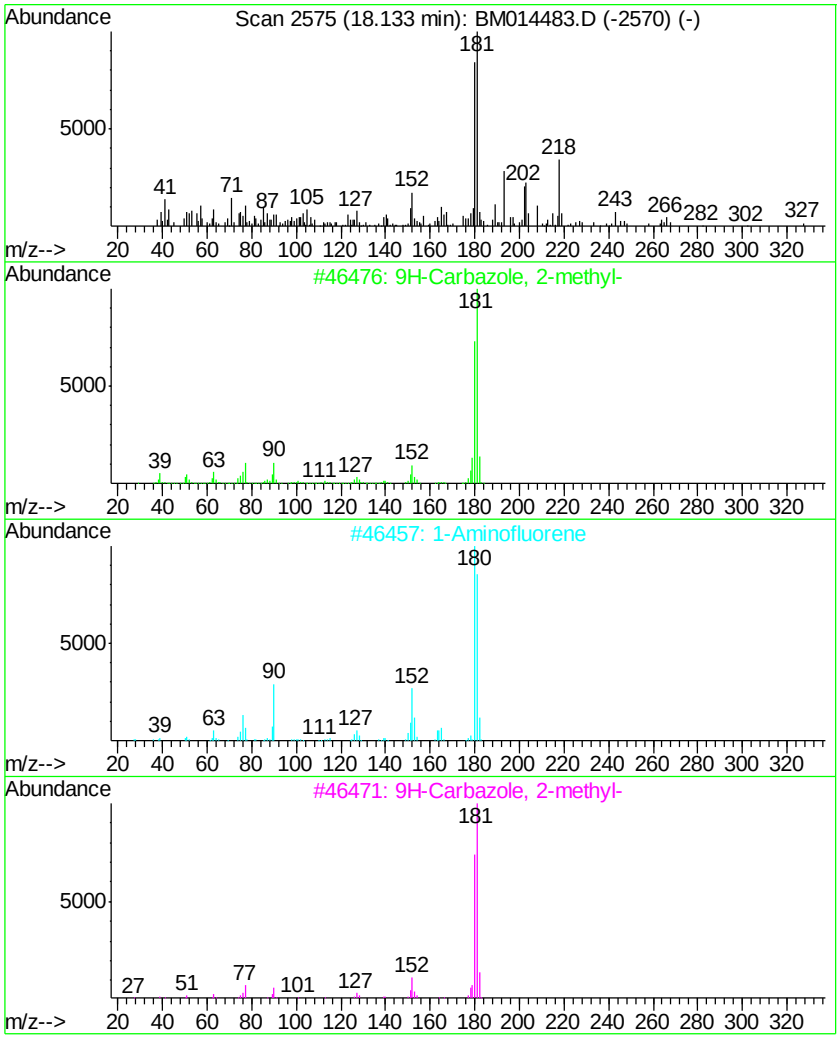
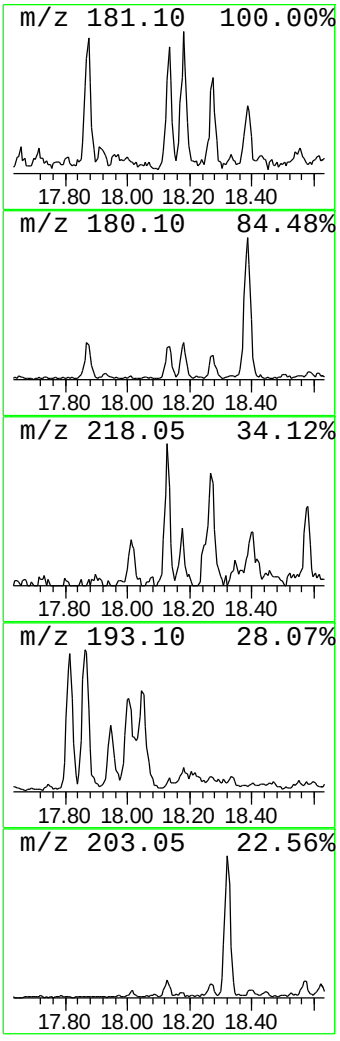
Peak Number 23 9H-Carbazole, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	5.94 ng/ul	342616	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	60
2	1-Aminofluorene	181	C13H11N	006344-63-4	46
3	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	46
4	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	46
5	3-Methylcarbazole	181	C13H11N	004630-20-0	46





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TIC Library : C:\DATABASE\NIST11.L
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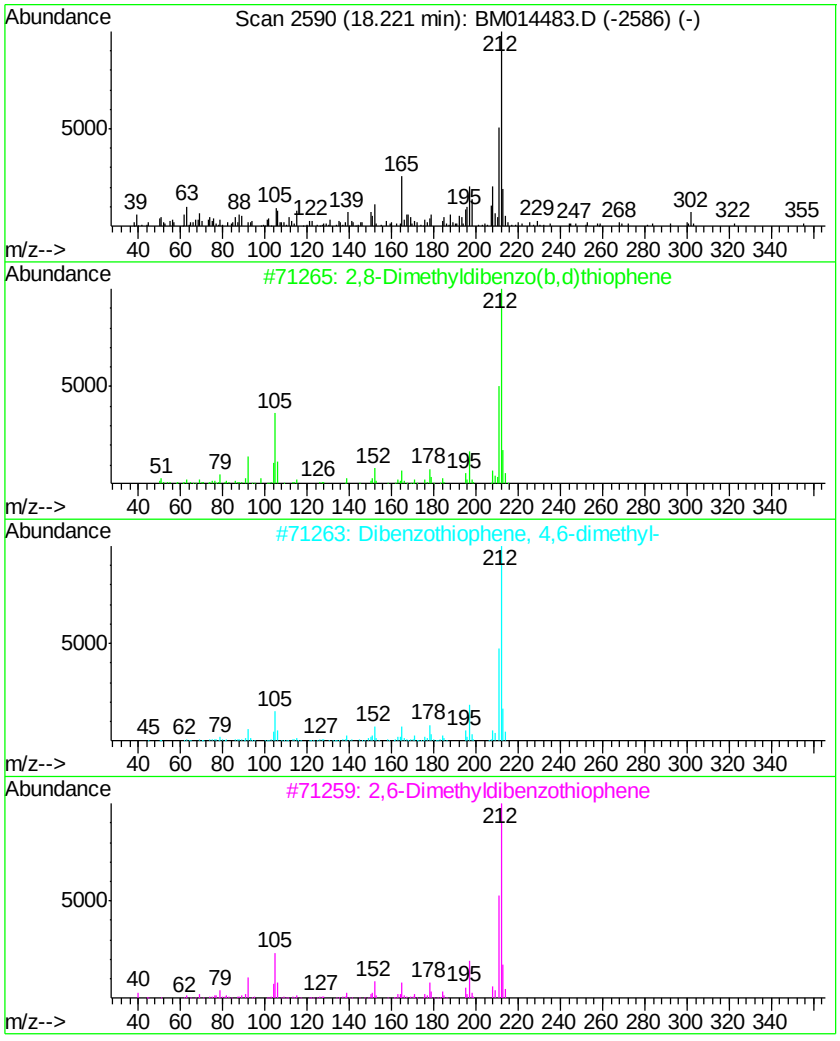
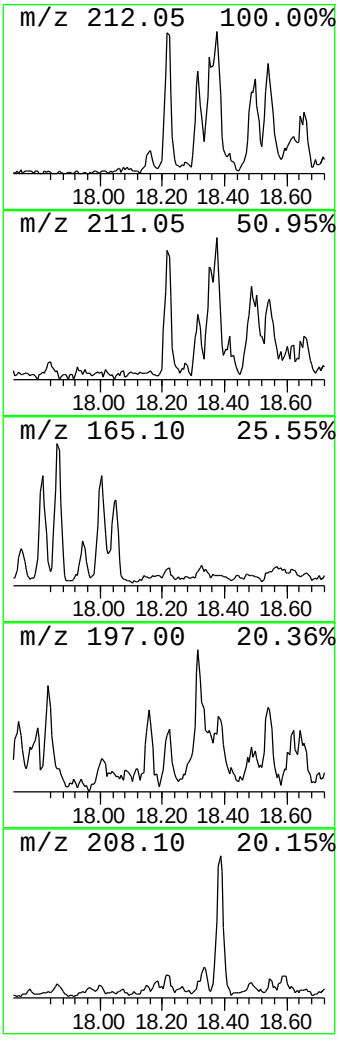
Peak Number 24 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	4.55 ng/ul	262119	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	76
2	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	76
3	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	68
4	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	64
5	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	64





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Quant Title : SVOA CALIBRATION

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

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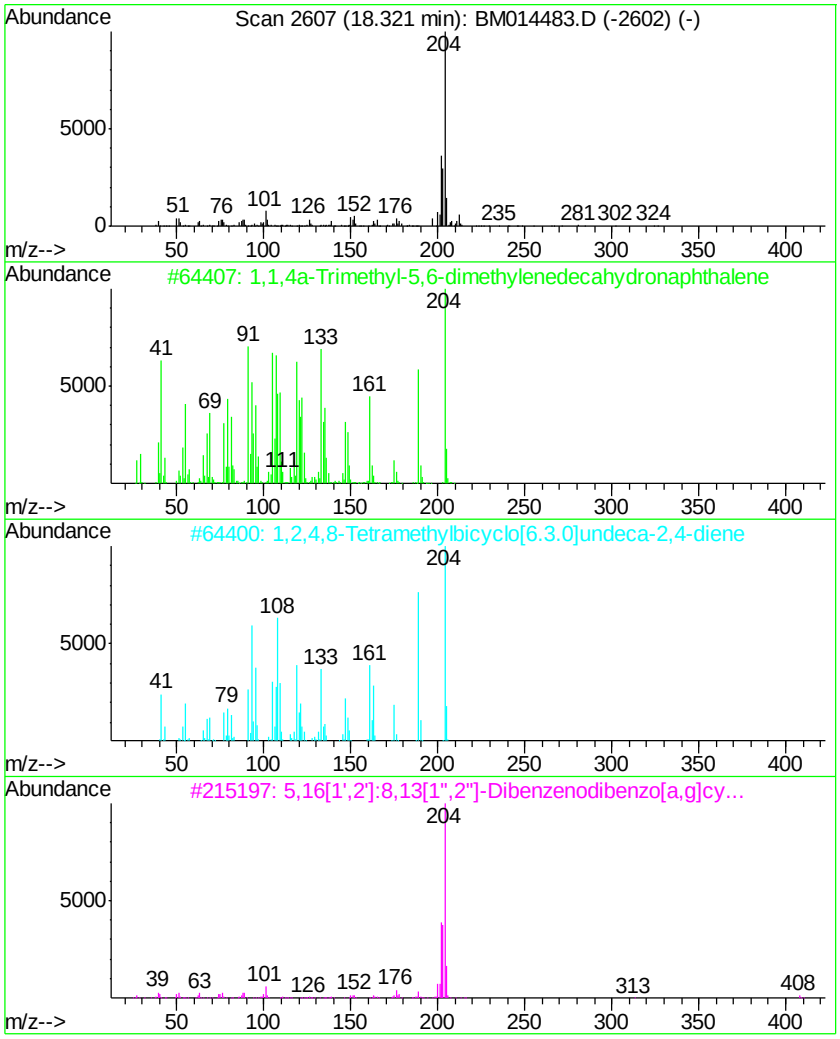
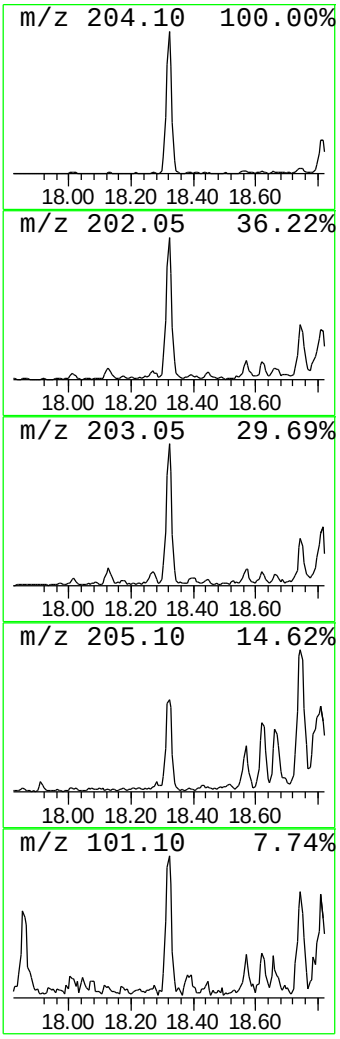
Peak Number 25 1,1,4a-Trimethyl-5,6-dimeth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	21.41 ng/ul	1234300	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	89
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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

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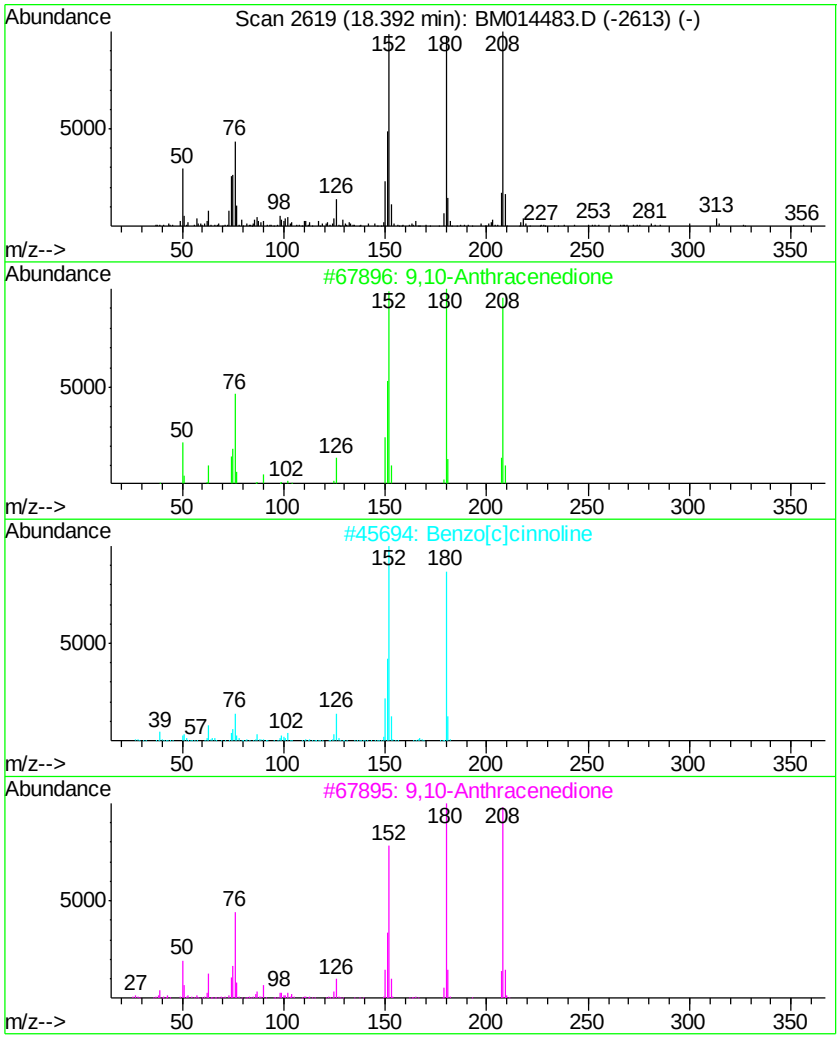
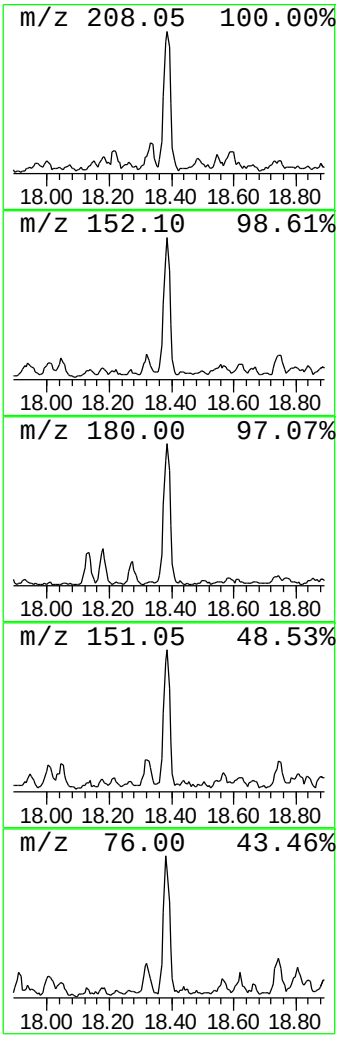
Peak Number 26 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	18.43 ng/ul	1062800	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	81
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	70





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TIC Integration Parameters: LSCINT.P

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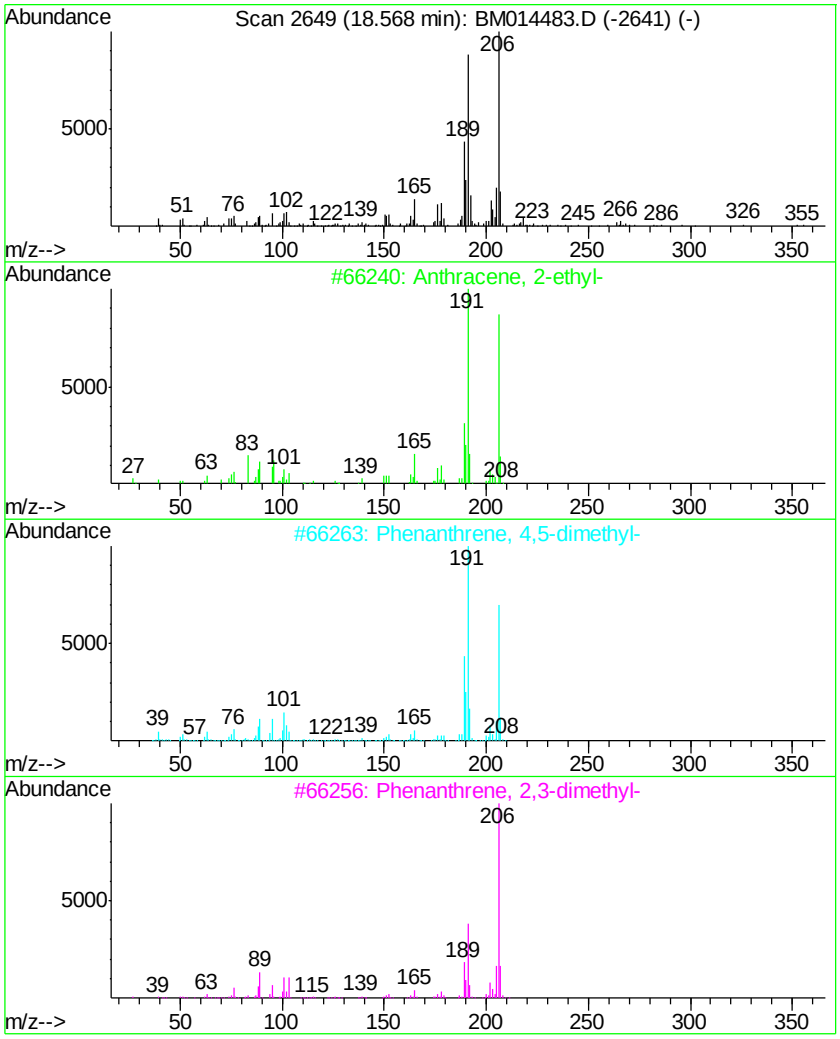
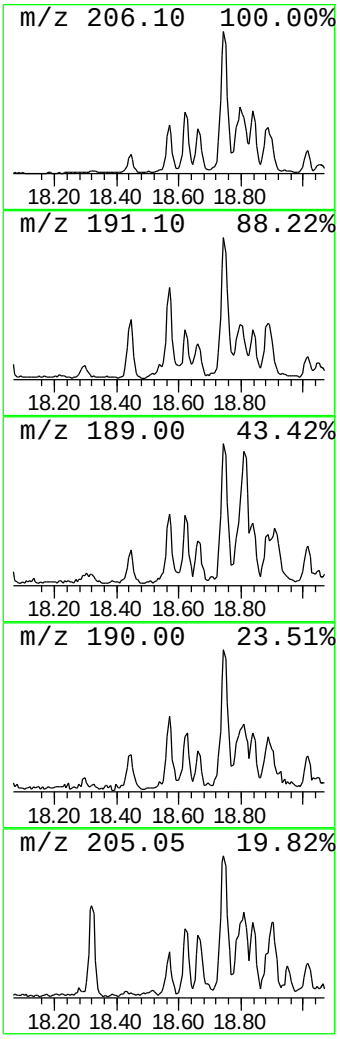
Peak Number 27 Anthracene, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	16.79 ng/ul	967837	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90





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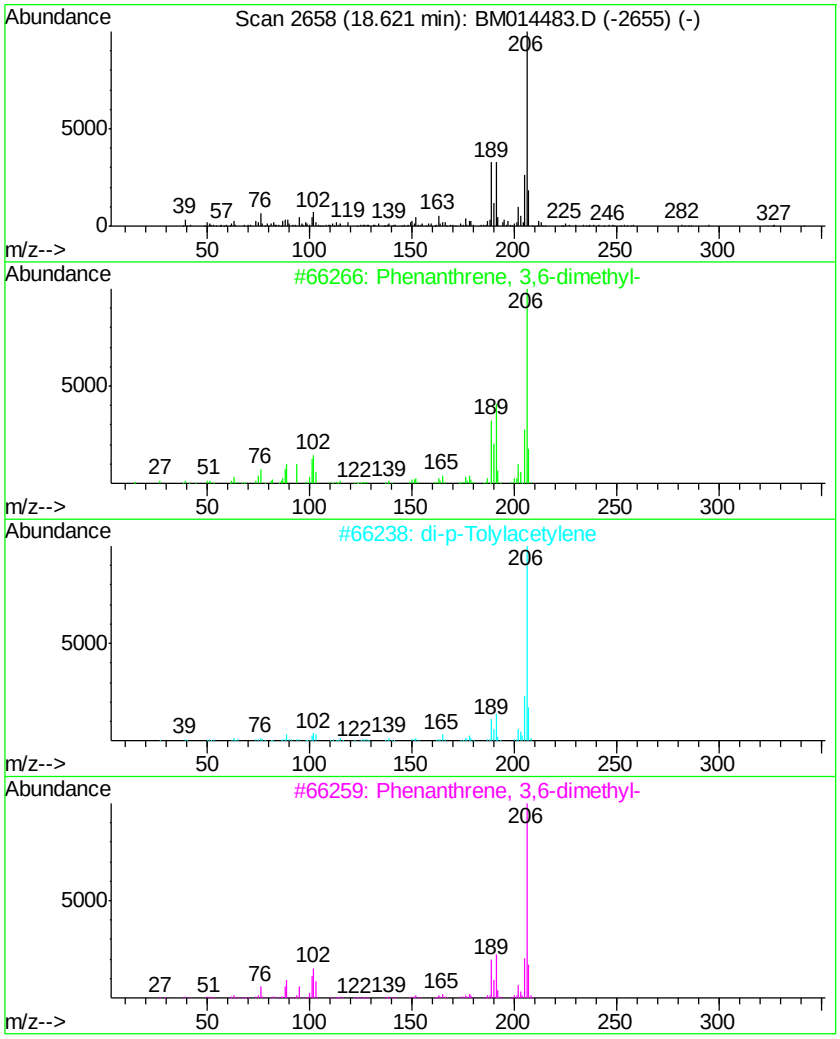
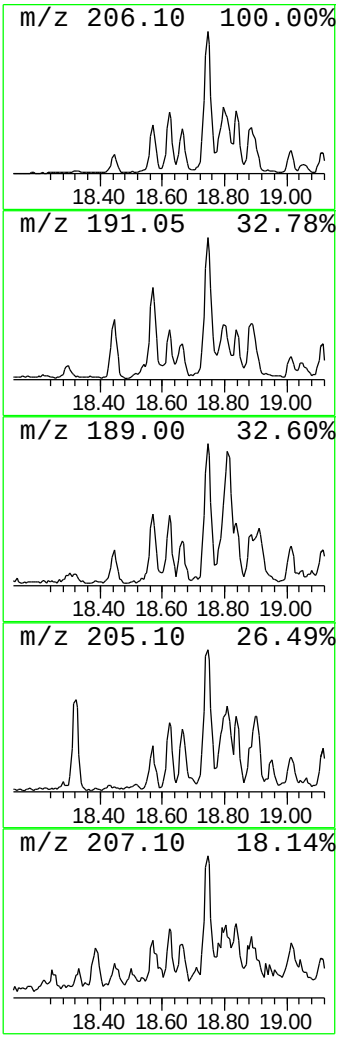
Peak Number 28 Phenanthrene, 3,6-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	8.57 ng/ul	494078	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87





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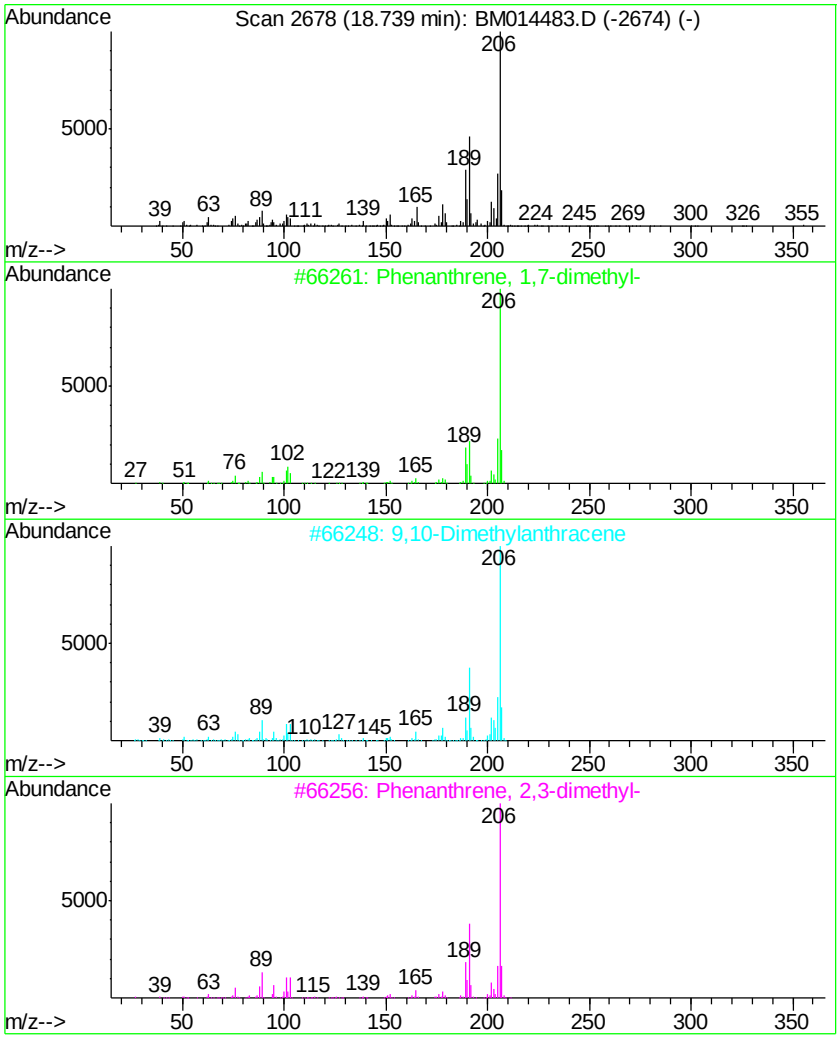
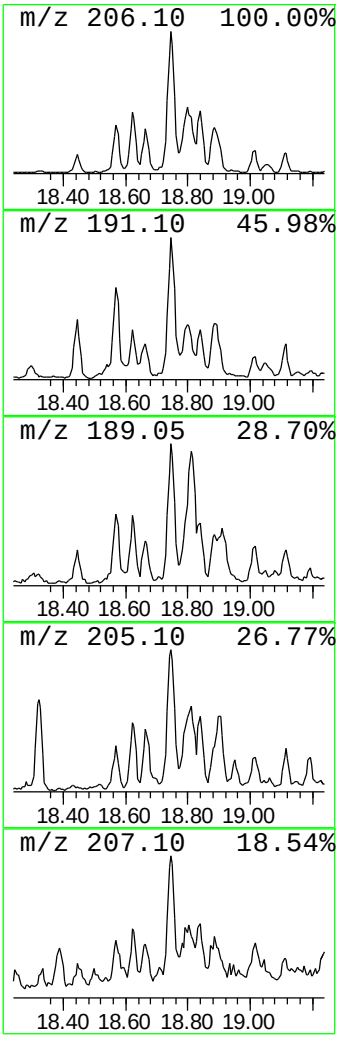
Peak Number 30 Phenanthrene, 1,7-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	28.76 ng/ul	1657980	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014483.D
Acq On : 05 Mar 2018 21:24
Operator : SJ/JU
Sample : J1678-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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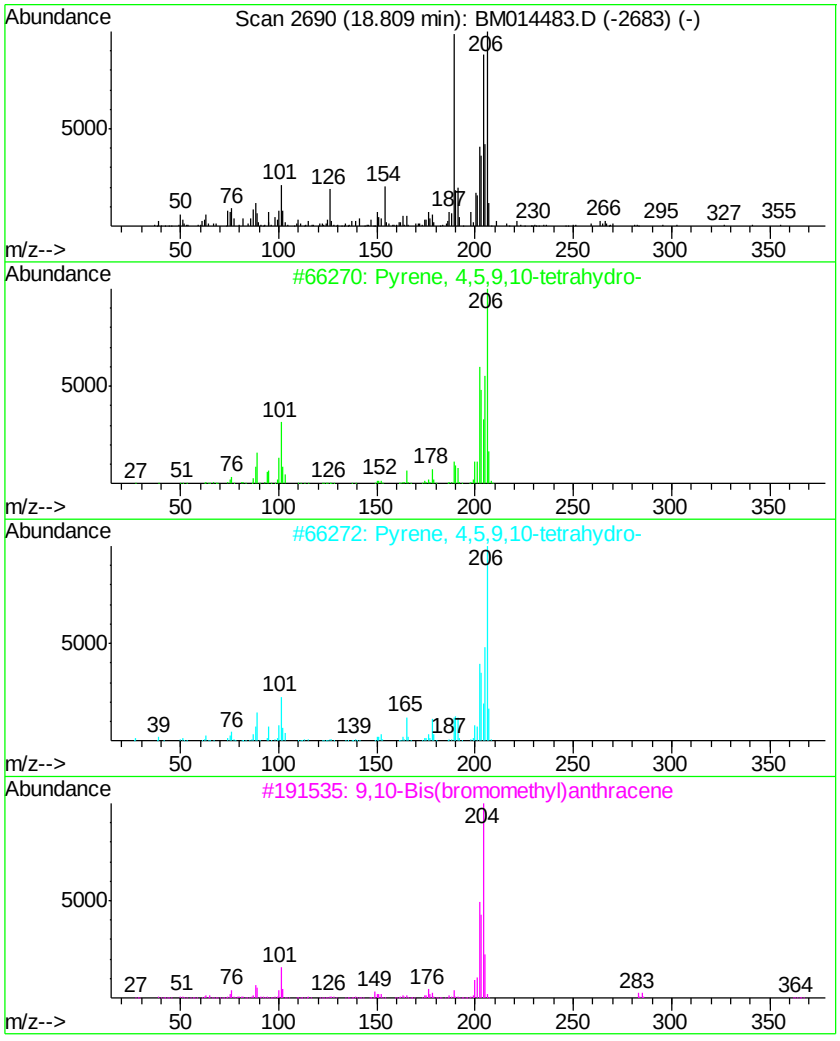
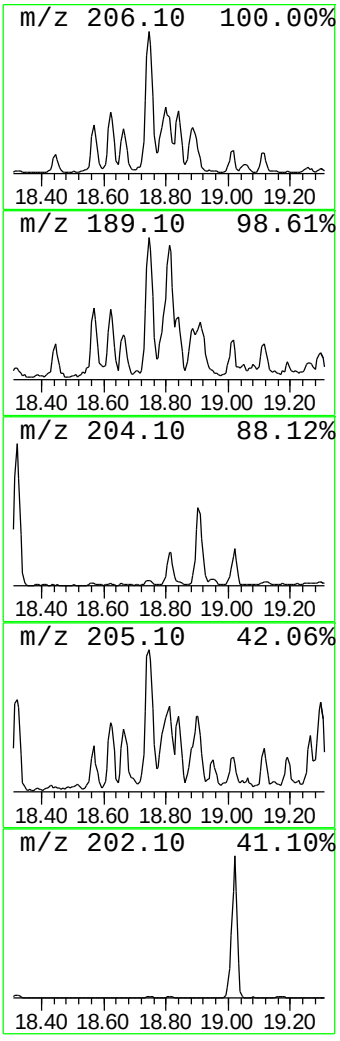
Peak Number 31 unknown-03 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	20.63 ng/ul	1189360	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	27
5	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	25





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014483.D
Acq On : 05 Mar 2018 21:24
Operator : SJ/JU
Sample : J1678-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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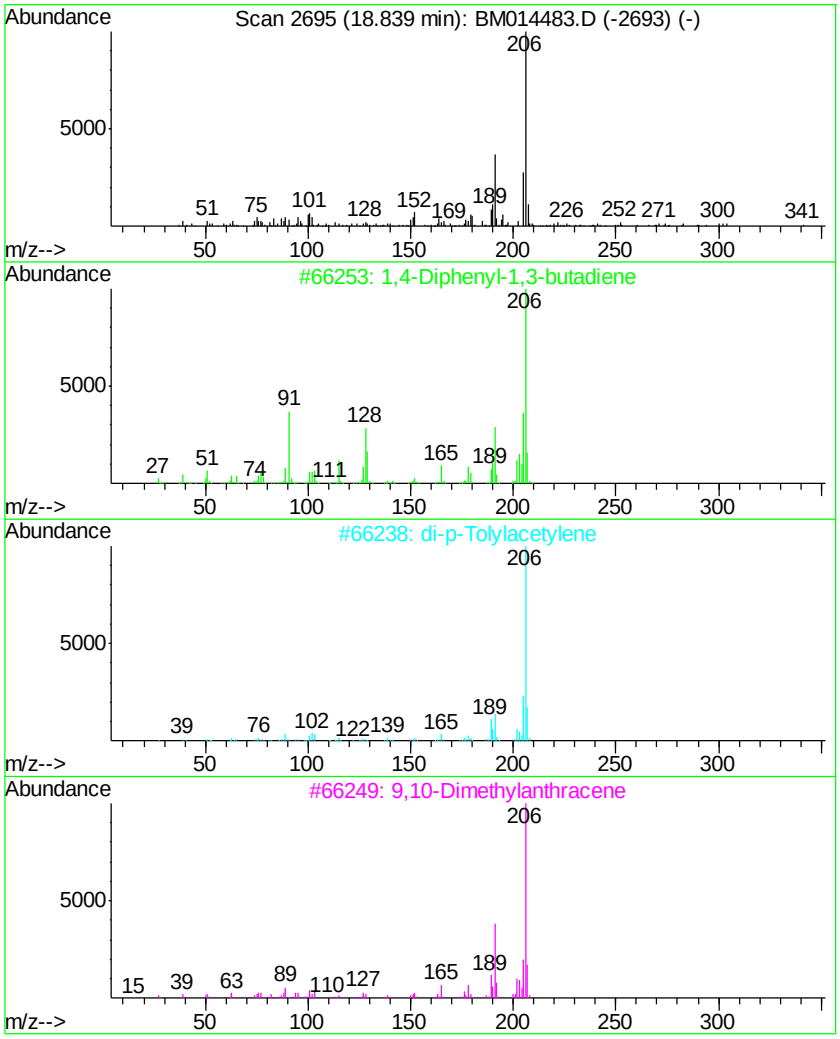
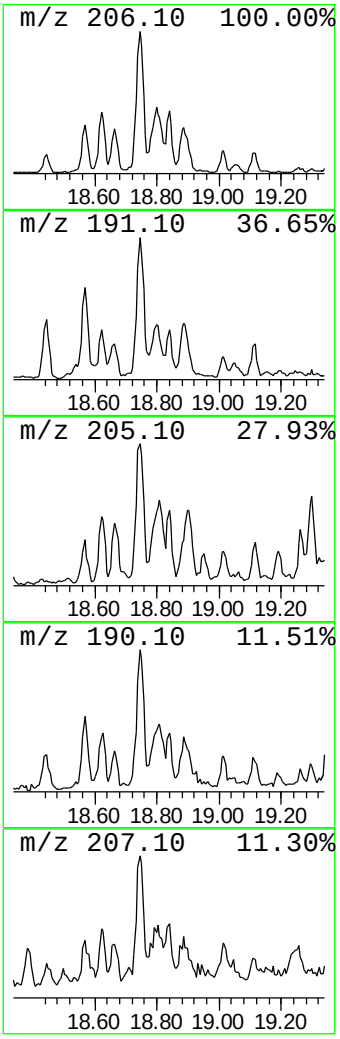
Peak Number 32 1,4-Diphenyl-1,3-butadiene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	6.70 ng/ul	386098	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	90
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	72
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
4	5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	62
5	4(1H)-Quinolinone,7-amino-3-carb...	250	C12H11FN2O3	075001-63-7	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030518\
Data File : BM014483.D
Acq On : 05 Mar 2018 21:24
Operator : SJ/JU
Sample : J1678-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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
3-Methyl-p-anisal...	11.13	7.8	ng/ul	331435	2	10.28	845234	20.0
Naphthalene, 1-me...	12.18	10.8	ng/ul	456162	2	10.28	845234	20.0
Naphthalene, 2,7-...	13.49	11.3	ng/ul	656173	3	14.17	1164500	20.0
Naphthalene, 1,6-...	13.55	6.4	ng/ul	371512	3	14.17	1164500	20.0
Naphthalene, 1,6,...	14.80	4.9	ng/ul	284918	3	14.17	1164500	20.0
Naphthalene, 2,3,...	14.97	5.7	ng/ul	330822	3	14.17	1164500	20.0
9H-Fluoren-9-ol	15.53	6.9	ng/ul	402435	3	14.17	1164500	20.0
Dibenzofuran, 4-m...	15.68	6.5	ng/ul	375060	4	16.94	1153030	20.0
unknown-01	15.92	7.5	ng/ul	431261	4	16.94	1153030	20.0
9H-Fluorene, 1-me...	16.24	9.2	ng/ul	532432	4	16.94	1153030	20.0
9H-Fluorene, 2-me...	16.29	5.4	ng/ul	311149	4	16.94	1153030	20.0
Naphthalene, 1,3,...	16.51	12.4	ng/ul	715710	4	16.94	1153030	20.0
9H-Fluoren-9-one	16.60	9.9	ng/ul	571429	4	16.94	1153030	20.0
Phenanthrene, 1,2...	16.69	13.7	ng/ul	791736	4	16.94	1153030	20.0
Dibenzothiophene	16.76	12.8	ng/ul	738860	4	16.94	1153030	20.0
unknown-02	17.14	9.0	ng/ul	518517	4	16.94	1153030	20.0
4-Methylnaphtho[1...	17.52	11.7	ng/ul	673185	4	16.94	1153030	20.0
O,O,O-Triethyl th...	17.66	7.2	ng/ul	414131	4	16.94	1153030	20.0
Phenanthrene, 1-m...	17.82	39.8	ng/ul	2295640	4	16.94	1153030	20.0
Benzaldehyde, 3,5...	18.01	56.4	ng/ul	3251930	4	16.94	1153030	20.0
Anthracene, 1-met...	18.04	26.9	ng/ul	1552910	4	16.94	1153030	20.0
9H-Carbazole, 2-m...	18.13	5.9	ng/ul	342616	4	16.94	1153030	20.0
2,8-Dimethyldiben...	18.22	4.5	ng/ul	262119	4	16.94	1153030	20.0
1,1,4a-Trimethyl-...	18.32	21.4	ng/ul	1234300	4	16.94	1153030	20.0
9,10-Anthracenedione	18.39	18.4	ng/ul	1062800	4	16.94	1153030	20.0
Anthracene, 2-ethyl-	18.57	16.8	ng/ul	967837	4	16.94	1153030	20.0
Phenanthrene, 3,6...	18.62	8.6	ng/ul	494078	4	16.94	1153030	20.0
Phenanthrene, 1,7...	18.74	28.8	ng/ul	1657980	4	16.94	1153030	20.0
unknown-03	18.81	20.6	ng/ul	1189360	4	16.94	1153030	20.0
1,4-Diphenyl-1,3-...	18.84	6.7	ng/ul	386098	4	16.94	1153030	20.0