LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014376.D
Acq On : 27 Feb 2018 02:59
Operator : SJ/JU
Sample : J1646-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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	3.599	100	104	113	rBV2	201563	295251	2.27%	0.203%
2	4.681	284	288	302	rBV2	117757	247860	1.90%	0.170%
3	6.728	630	636	650	rBV	862611	1508128	11.58%	1.034%
4	6.881	656	662	673	rVB	633264	1014219	7.79%	0.696%
5	7.069	687	694	707	rBV	951031	1558029	11.97%	1.069%
6	7.528	765	772	781	rBV	720432	1185250	9.10%	0.813%
7	8.251	888	895	906	rBV	953661	1653686	12.70%	1.134%
8	8.686	961	969	981	rBV	968714	1634924	12.56%	1.121%
9	9.398	1081	1090	1103	rBV	803831	1437722	11.04%	0.986%
10	9.939	1175	1182	1200	rBV	1135474	2120288	16.29%	1.454%
11	10.298	1236	1243	1248	rBV	1086217	1764199	13.55%	1.210%
12	10.345	1248	1251	1257	rVB	203989	315866	2.43%	0.217%
13	10.457	1263	1270	1285	rBV	645686	1333322	10.24%	0.914%
14	11.974	1522	1528	1536	rVB	116962	200148	1.54%	0.137%
15	12.198	1559	1566	1573	rBV	126099	214059	1.64%	0.147%
16	13.004	1697	1703	1710	rBV2	74046	144218	1.11%	0.099%
17	13.498	1779	1787	1793	rBV2	157289	317065	2.44%	0.217%
18	13.551	1793	1796	1800	rVV2	93737	151052	1.16%	0.104%
19	13.610	1800	1806	1810	rVV	2178151	3003886	23.07%	2.060%
20	13.657	1810	1814	1819	rVB	553973	768265	5.90%	0.527%
21	13.874	1842	1851	1864	rBV	2467364	4135319	31.76%	2.836%
22	14.086	1883	1887	1893	rBV2	129110	148161	1.14%	0.102%
23	14.186	1893	1904	1910	rBV2	1439897	2305862	17.71%	1.582%
24	14.251	1910	1915	1924	rVB	601711	897903	6.90%	0.616%
25	14.457	1944	1950	1954	rBV	415704	796283	6.12%	0.546%
26	14.592	1967	1973	1978	rBV	451713	630986	4.85%	0.433%
27	14.810	1999	2010	2015	rBV3	88583	187026	1.44%	0.128%
28	14.992	2032	2041	2043	rVV3	109537	223732	1.72%	0.153%
29	15.045	2047	2050	2059	rVB2	130646	221302	1.70%	0.152%
30	15.192	2068	2075	2079	rBV	2723397	3941079	30.27%	2.703%
31	15.245	2079	2084	2094	rVB	595401	1012852	7.78%	0.695%
32	15.351	2096	2102	2108	rBV6	278844	630390	4.84%	0.432%
33	15.539	2129	2134	2143	rVB	262096	425028	3.26%	0.292%
34	15.686	2150	2159	2167	rBV	257467	569261	4.37%	0.390%

LSC Area Percent Report

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Acq On : 27 Feb 2018 02:59
Operator : SJ/JU
Sample : J1646-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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

35	15.774	2167	2174	2181	rVB3	77525	184929	1.42%	0.127%
36	15.915	2193	2198	2209	rVB3	179246	430838	3.31%	0.295%
37	16.251	2244	2255	2260	rBV4	202451	523431	4.02%	0.359%
38	16.304	2260	2264	2269	rVB3	104712	173862	1.34%	0.119%
39	16.480	2291	2294	2297	rVV3	141540	201325	1.55%	0.138%
40	16.521	2297	2301	2304	rVB3	152592	200579	1.54%	0.138%
41	16.609	2311	2316	2322	rVB	479284	702335	5.39%	0.482%
42	16.698	2322	2331	2337	rVV4	316955	767607	5.90%	0.526%
43	16.762	2337	2342	2351	rVB	474454	778372	5.98%	0.534%
44	16.945	2367	2373	2376	rBV	1572799	2322243	17.84%	1.593%
45	16.992	2376	2381	2386	rVV	9048393	12501460	96.02%	8.574%
46	17.045	2386	2390	2394	rVV2	2854992	4252271	32.66%	2.917%
47	17.080	2394	2396	2401	rVV	1336773	1482610	11.39%	1.017%
48	17.151	2401	2408	2411	rVV3	107193	230922	1.77%	0.158%
49	17.362	2435	2444	2455	rBV2	472802	1102857	8.47%	0.756%
50	17.462	2455	2461	2468	rVV3	198567	424478	3.26%	0.291%
51	17.533	2468	2473	2480	rVB7	166011	361313	2.78%	0.248%
52	17.821	2517	2522	2525	rVV	1069414	1471196	11.30%	1.009%
53	17.868	2525	2530	2537	rVB2	1560896	2657131	20.41%	1.822%
54	17.951	2537	2544	2549	rBV	429715	630929	4.85%	0.433%
55	18.015	2549	2555	2559	rBV2	1186112	2226985	17.11%	1.527%
56	18.056	2559	2562	2569	rVB	712311	952107	7.31%	0.653%
57	18.139	2572	2576	2580	rBV3	160569	221770	1.70%	0.152%
58	18.327	2604	2608	2613	rBV	743182	943363	7.25%	0.647%
59	18.386	2613	2618	2623	rVB	861152	1221441	9.38%	0.838%
60	18.574	2647	2650	2655	rBV	221750	289624	2.22%	0.199%
61	18.627	2656	2659	2662	rVB	194205	212652	1.63%	0.146%
62	18.668	2662	2666	2671	rVB3	193635	278597	2.14%	0.191%
63	18.750	2675	2680	2684	rBV2	459668	776455	5.96%	0.533%
64	18.815	2684	2691	2694	rVV6	285776	687770	5.28%	0.472%
65	18.845	2694	2696	2700	rVV	203278	206813	1.59%	0.142%
66	18.903	2700	2706	2712	rVB2	494220	885720	6.80%	0.607%
67	19.021	2719	2726	2734	rVB	9487534	13019419	100.00%	8.930%
68	19.086	2734	2737	2740	rBV2	144205	174407	1.34%	0.120%
69	19.121	2740	2743	2745	rBV2	200449	248722	1.91%	0.171%
70	19.168	2749	2751	2755	rVB	177963	195201	1.50%	0.134%
71	19.239	2759	2763	2764	rBV	171729	218627	1.68%	0.150%

LSC Area Percent Report

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Data File : BM014376.D
Acq On : 27 Feb 2018 02:59
Operator : SJ/JU
Sample : J1646-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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	19.356	2777	2783	2785	rBV3	3828357	5423992	41.66%	3.720%
73	19.392	2785	2789	2795	rVV	8147326	10862132	83.43%	7.450%
74	19.456	2796	2800	2807	rVB2	410204	666244	5.12%	0.457%
75	19.568	2815	2819	2825	rVB	435817	589875	4.53%	0.405%
76	19.633	2826	2830	2835	rVB	325304	491125	3.77%	0.337%
77	19.715	2838	2844	2850	rBV4	483657	1197128	9.19%	0.821%
78	19.850	2862	2867	2869	rBV3	449864	777528	5.97%	0.533%
79	19.886	2870	2873	2877	rVB	763505	1007709	7.74%	0.691%
80	19.986	2886	2890	2893	rBV2	346736	416501	3.20%	0.286%
81	20.045	2893	2900	2903	rBV2	638041	1114183	8.56%	0.764%
82	20.121	2911	2913	2917	rVB3	127442	148487	1.14%	0.102%
83	20.180	2920	2923	2927	rVV	386026	481376	3.70%	0.330%
84	20.227	2928	2931	2936	rVB	442705	605628	4.65%	0.415%
85	20.639	2998	3001	3007	rVB	674995	825937	6.34%	0.566%
86	20.797	3024	3028	3032	rBV2	573584	829096	6.37%	0.569%
87	20.839	3032	3035	3038	rVV	589286	742019	5.70%	0.509%
88	20.874	3038	3041	3047	rVV3	1068926	1718867	13.20%	1.179%
89	20.939	3049	3052	3058	rVB	649480	862740	6.63%	0.592%
90	21.144	3082	3087	3092	rBV2	3477579	6234180	47.88%	4.276%
91	21.197	3092	3096	3105	rVB	3057180	4125517	31.69%	2.830%
92	21.309	3112	3115	3122	rBV	296202	435322	3.34%	0.299%
93	21.697	3178	3181	3185	rVB	473163	564991	4.34%	0.388%
94	22.691	3344	3350	3355	rBV	1890359	4243096	32.59%	2.910%
95	22.850	3374	3377	3383	rVB	350853	487337	3.74%	0.334%
96	23.150	3423	3428	3432	rBV	961231	1700178	13.06%	1.166%
97	23.197	3432	3436	3440	rVV	1307302	2183581	16.77%	1.498%
98	23.244	3440	3444	3452	rVB	1848659	2976330	22.86%	2.041%
99	23.333	3455	3459	3463	rBV	661248	1035607	7.95%	0.710%
100	25.491	3823	3826	3837	rVB2	818314	1900781	14.60%	1.304%

Sum of corrected areas: 145800469

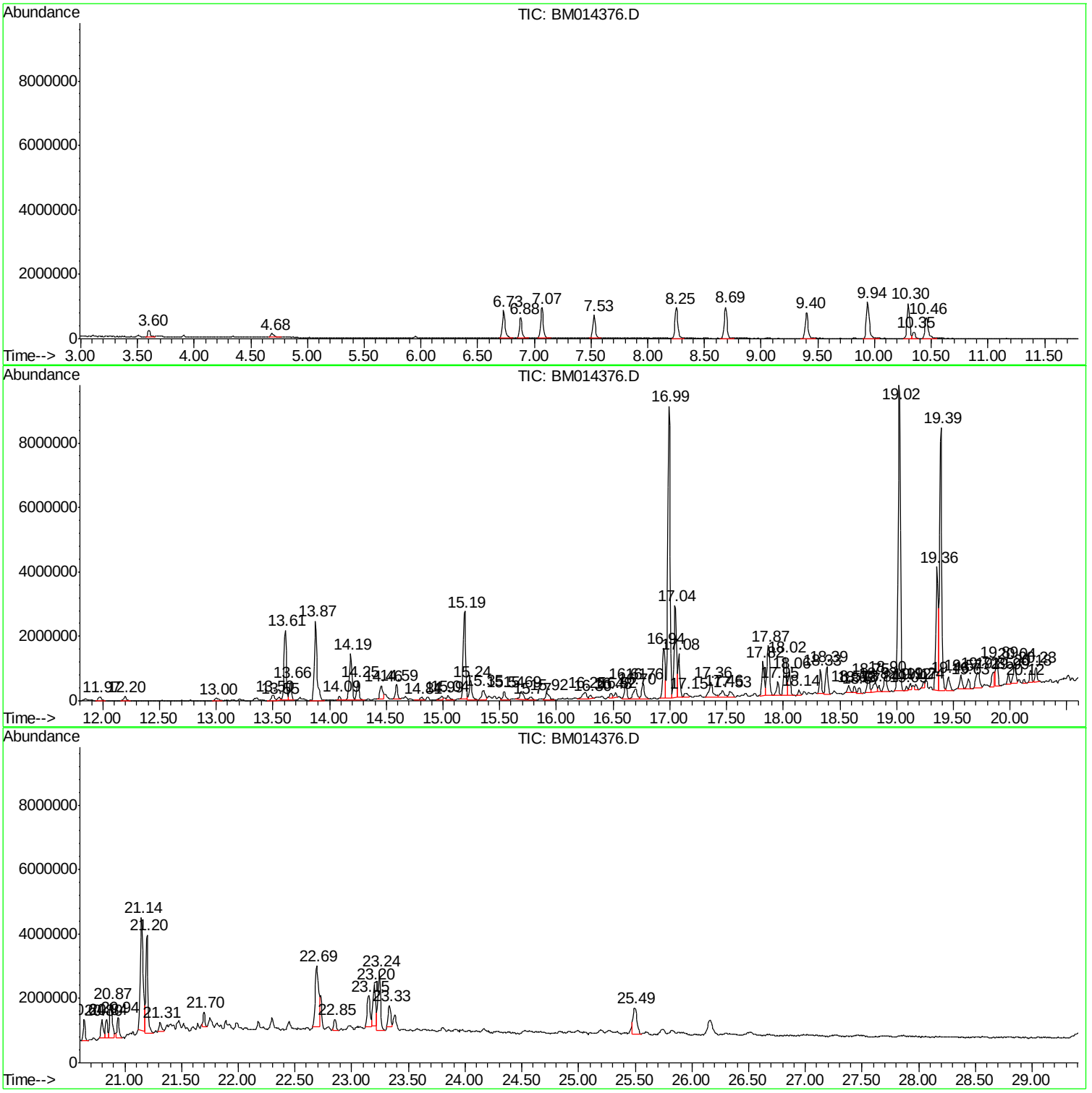
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014376.D
Acq On : 27 Feb 2018 02:59
Operator : SJ/JU
Sample : J1646-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
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Instrument : BNA_M
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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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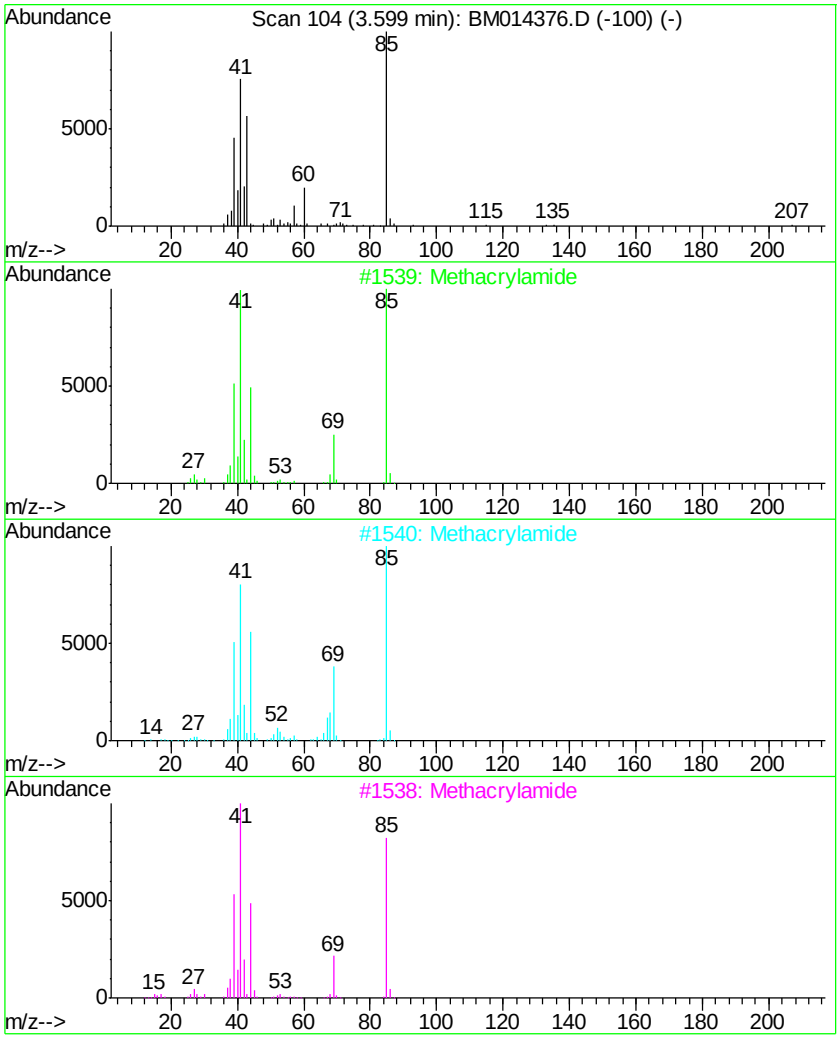
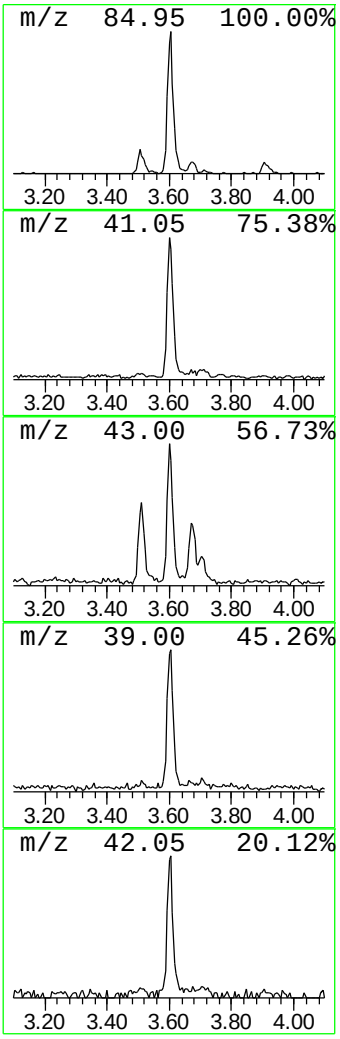
Peak Number 1 Methacrylamide Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	4.98 ng/ul	295251	1,4-Dichlorobenzene-d4	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	72
2	Methacrylamide	85	C4H7NO	000079-39-0	72
3	Methacrylamide	85	C4H7NO	000079-39-0	53
4	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	50
5	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	40





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014376.D
Acq On : 27 Feb 2018 02:59
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Sample : J1646-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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

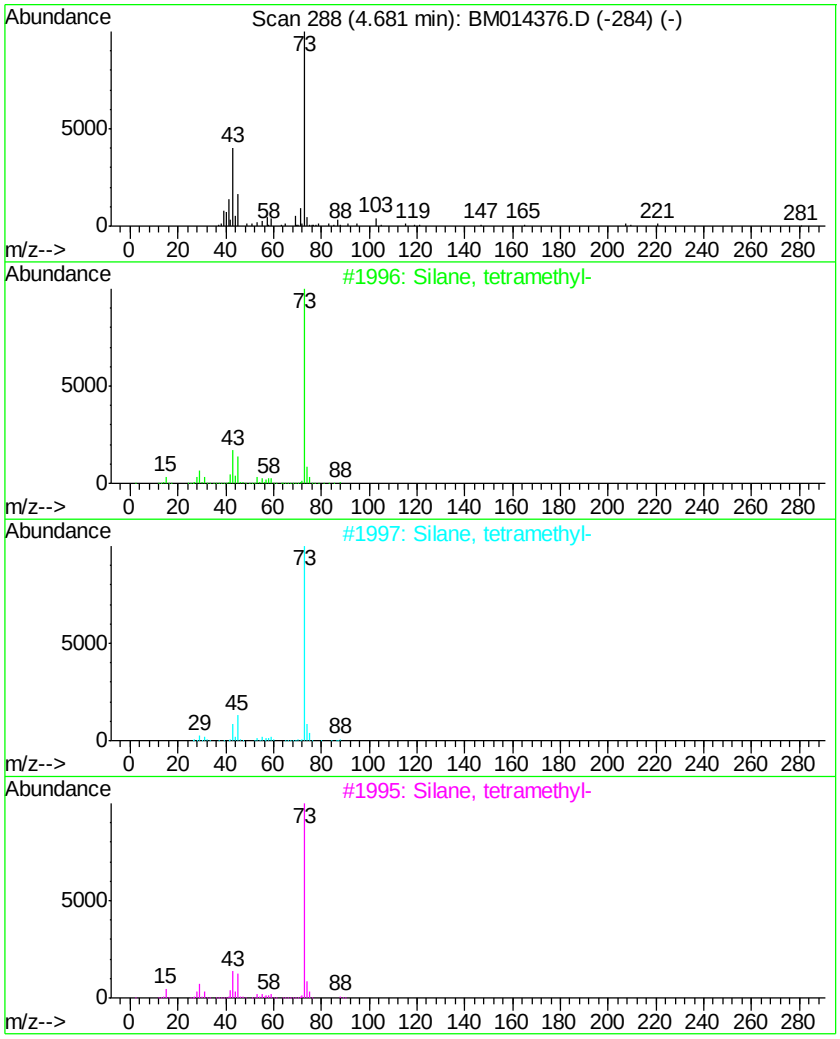
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

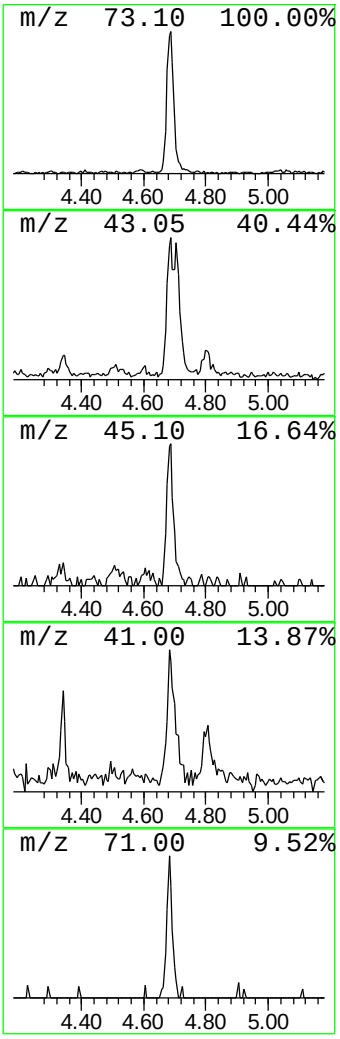
****

Peak Number 2 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	4.18 ng/ul	247860	1,4-Dichlorobenzene-d4	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	43
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	43
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	43
4	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	42
5	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	33





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Quant Title : SVOA CALIBRATION

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

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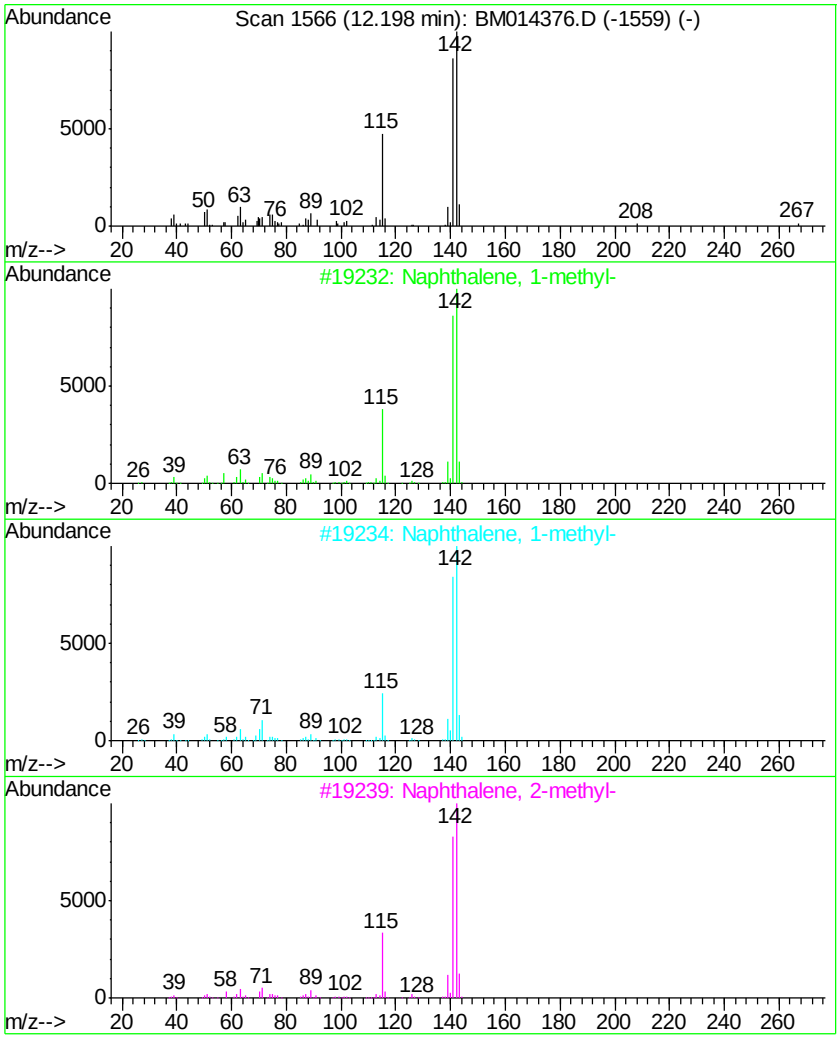
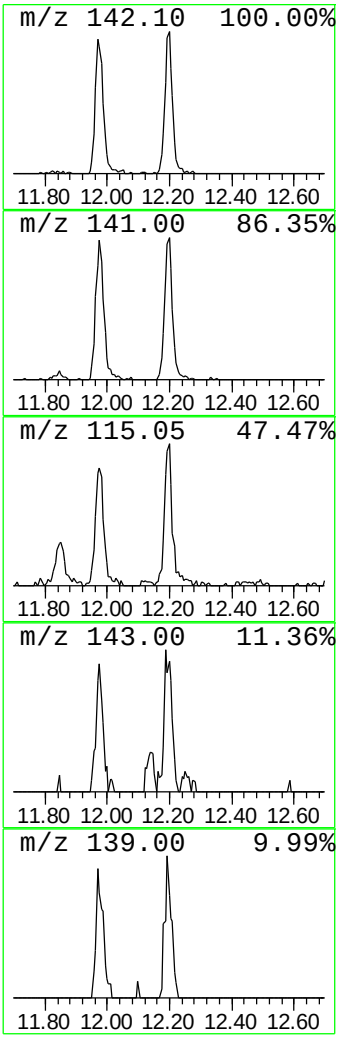
Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.43 ng/ul	214059	Naphthalene-d8	10.30

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





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Instrument : BNA_M
ClientSampleId : BE5X3

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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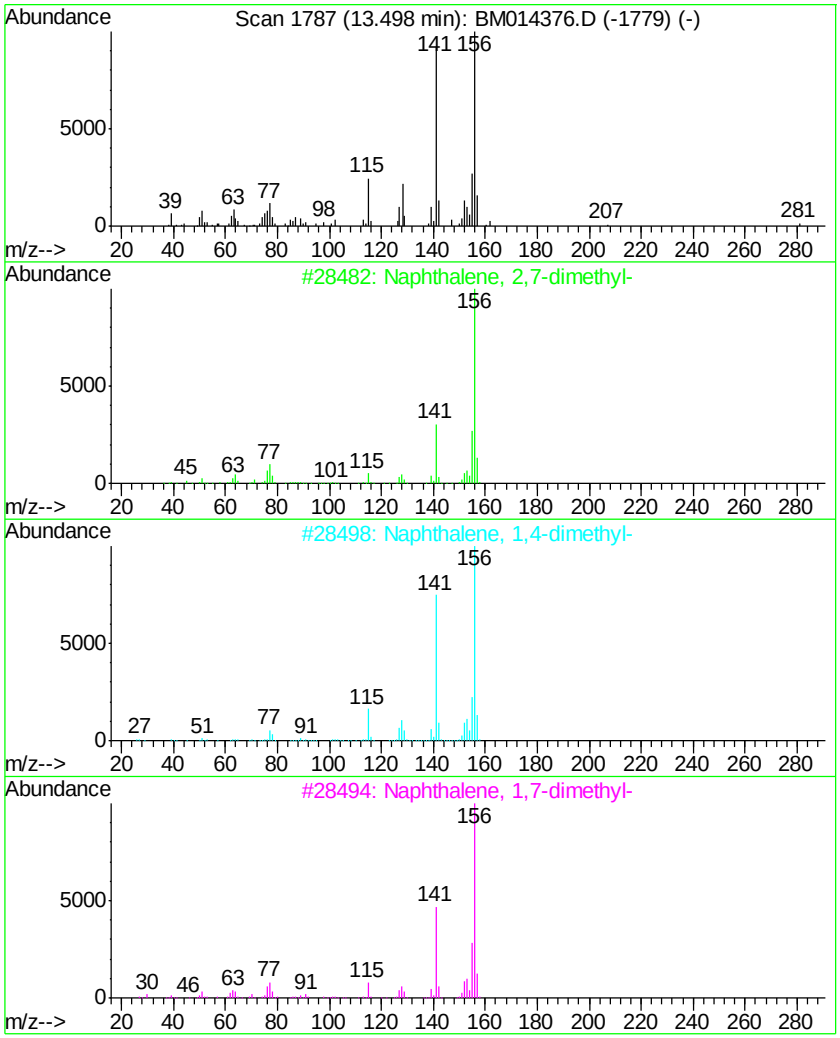
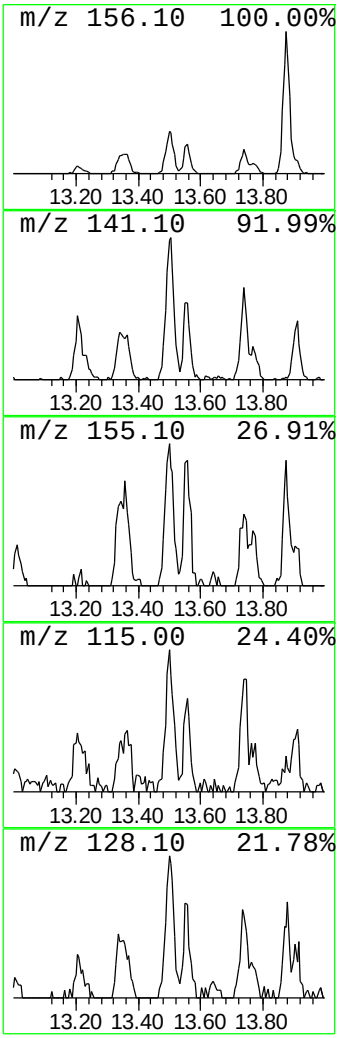
Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	2.75 ng/ul	317065	Acenaphthene-d10	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014376.D
Acq On : 27 Feb 2018 02:59
Operator : SJ/JU
Sample : J1646-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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

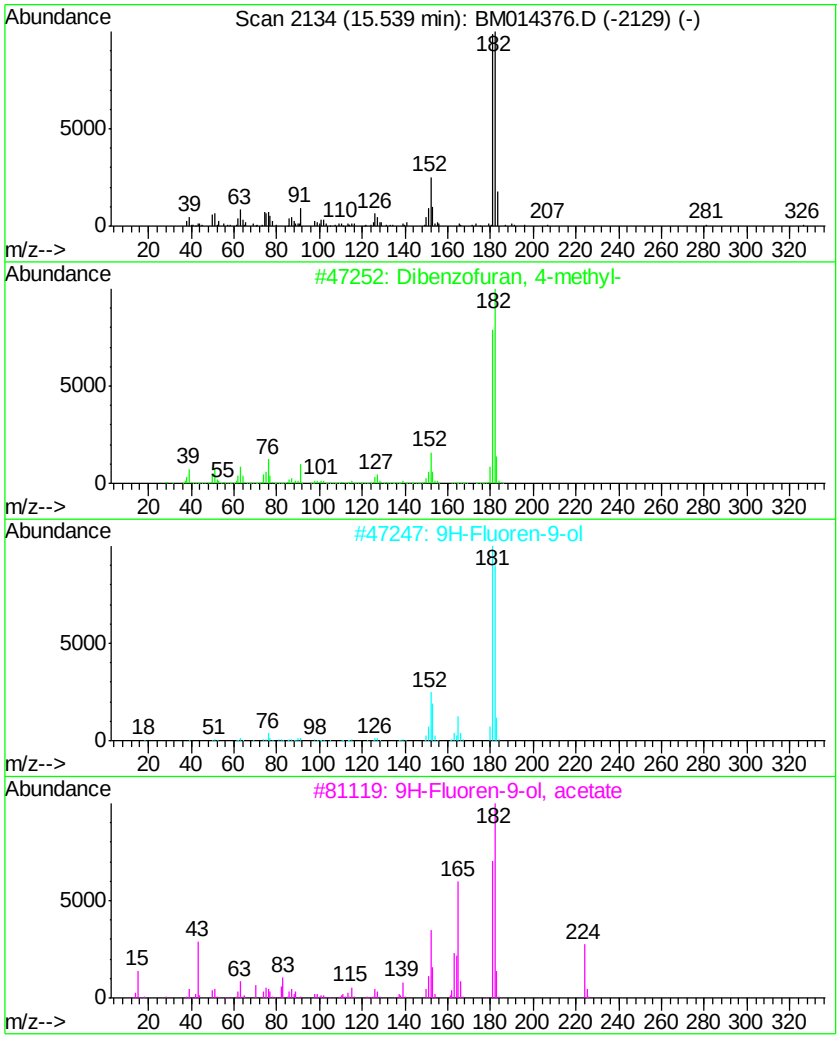
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

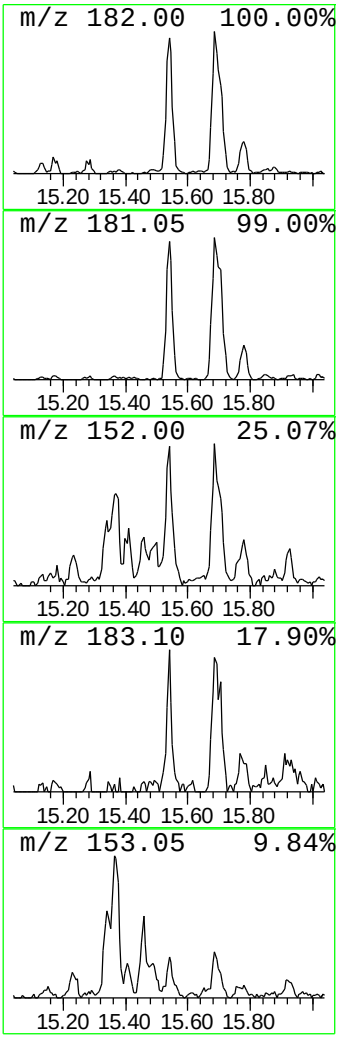
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	3.69 ng/ul	425028	Acenaphthene-d10	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	9H-Fluoren-9-ol, acetate	224	C15H12O2	025017-68-9	83
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Sample : J1646-09
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Instrument : BNA_M
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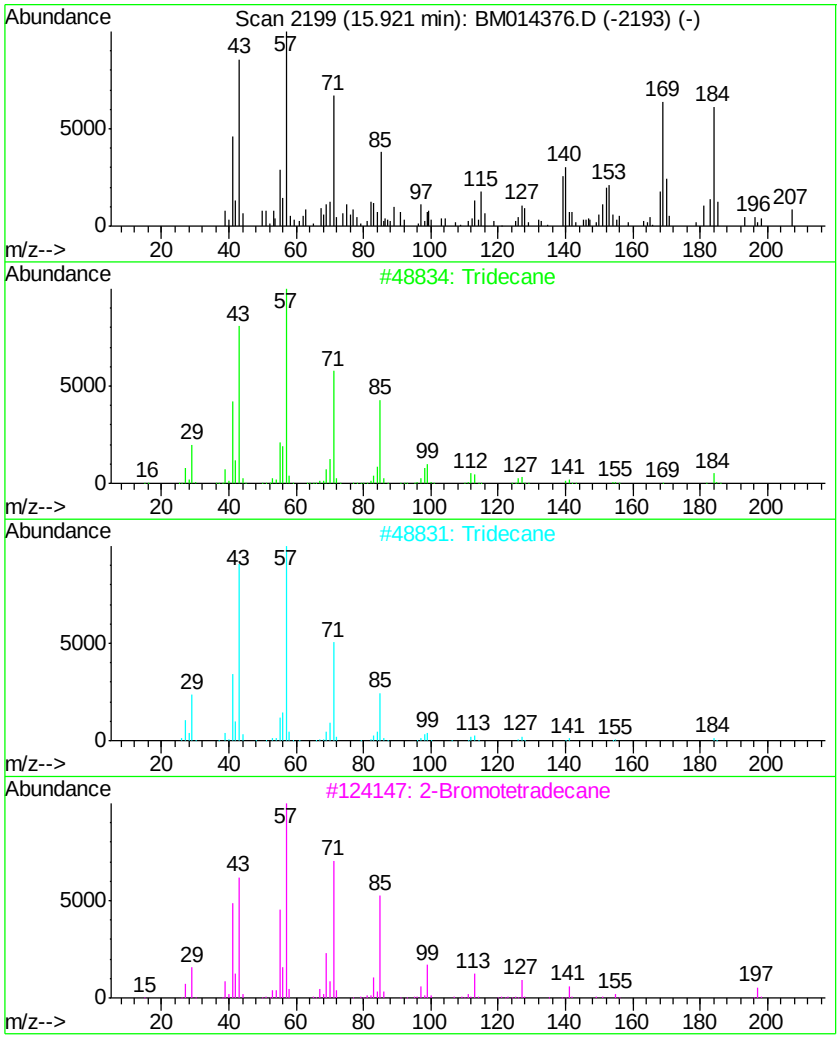
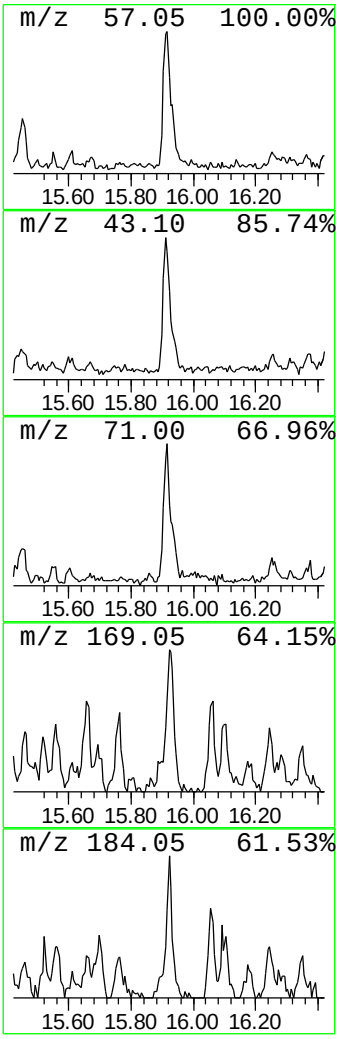
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	3.71 ng/ul	430838	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	81
2	Tridecane	184	C13H28	000629-50-5	72
3	2-Bromotetradecane	276	C14H29Br	074036-95-6	58
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	58
5	Tricosane	324	C23H48	000638-67-5	58





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Quant Title : SVOA CALIBRATION

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

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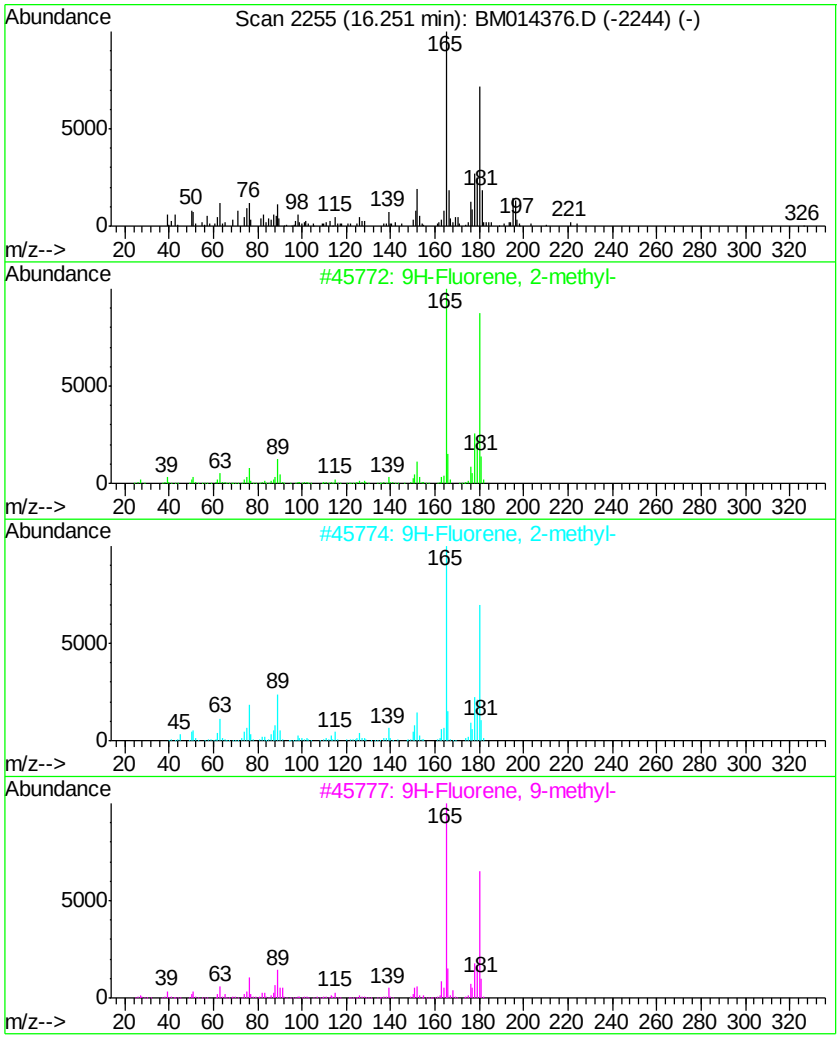
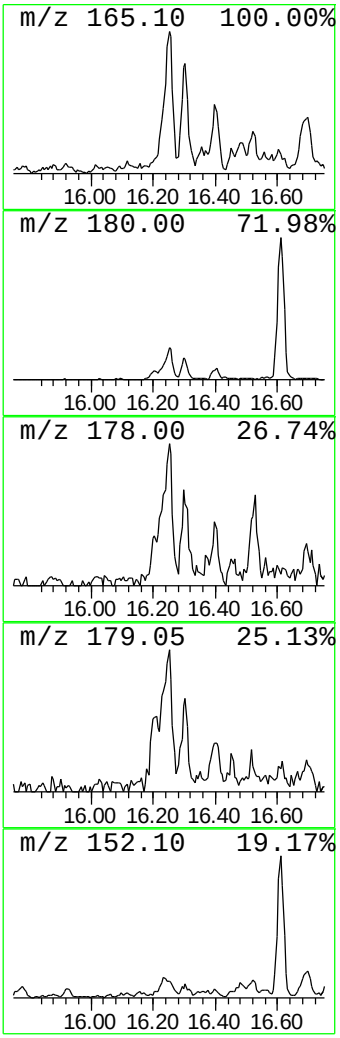
Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	4.51 ng/ul	523431	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	92
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	68
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	62
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	58





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Quant Title : SVOA CALIBRATION

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

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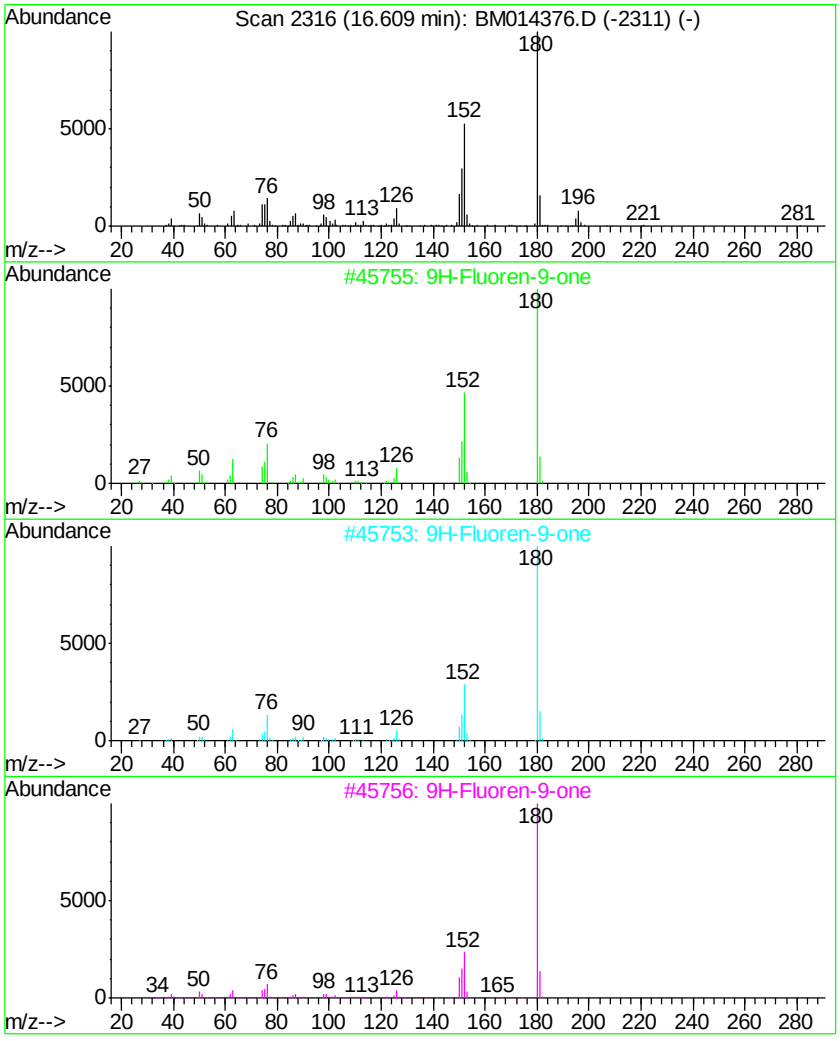
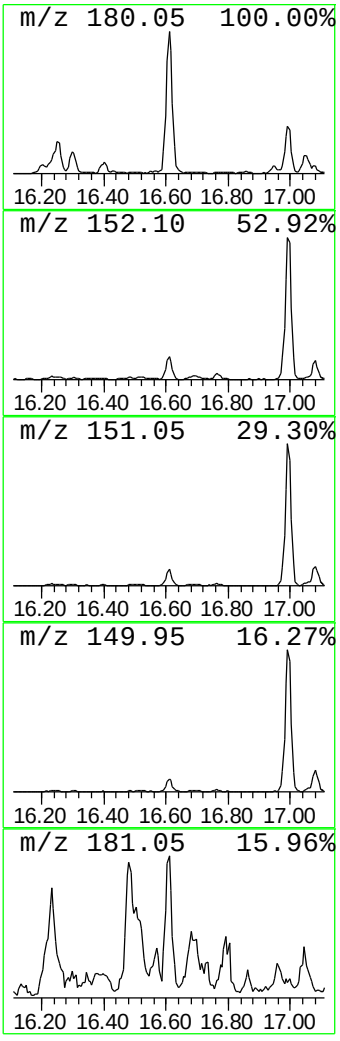
Peak Number 9 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	6.05 ng/ul	702335	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87





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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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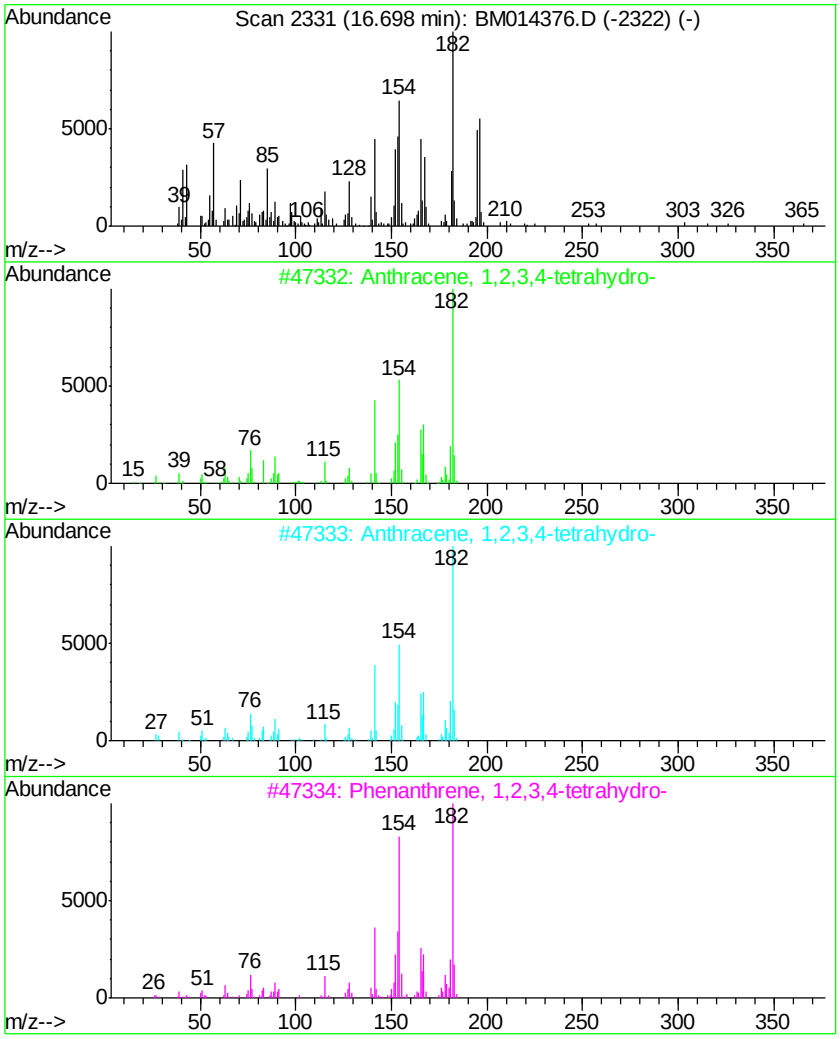
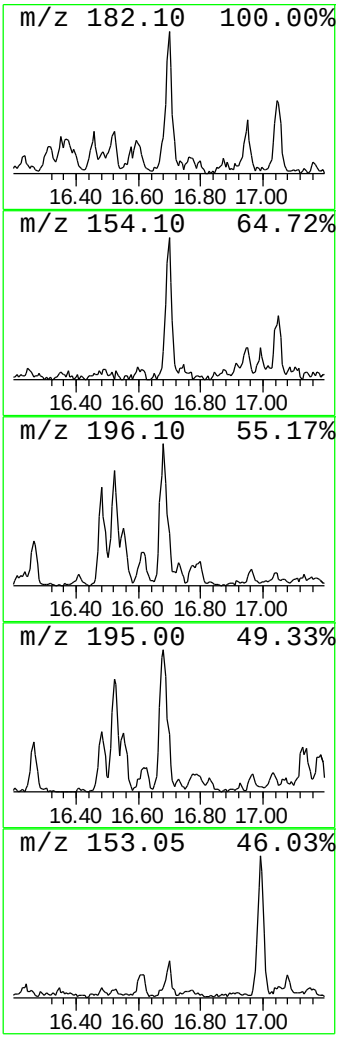
Peak Number 10 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	6.61 ng/ul	767607	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	64
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	60
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	50
4	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	46
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	45





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Quant Title : SVOA CALIBRATION

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

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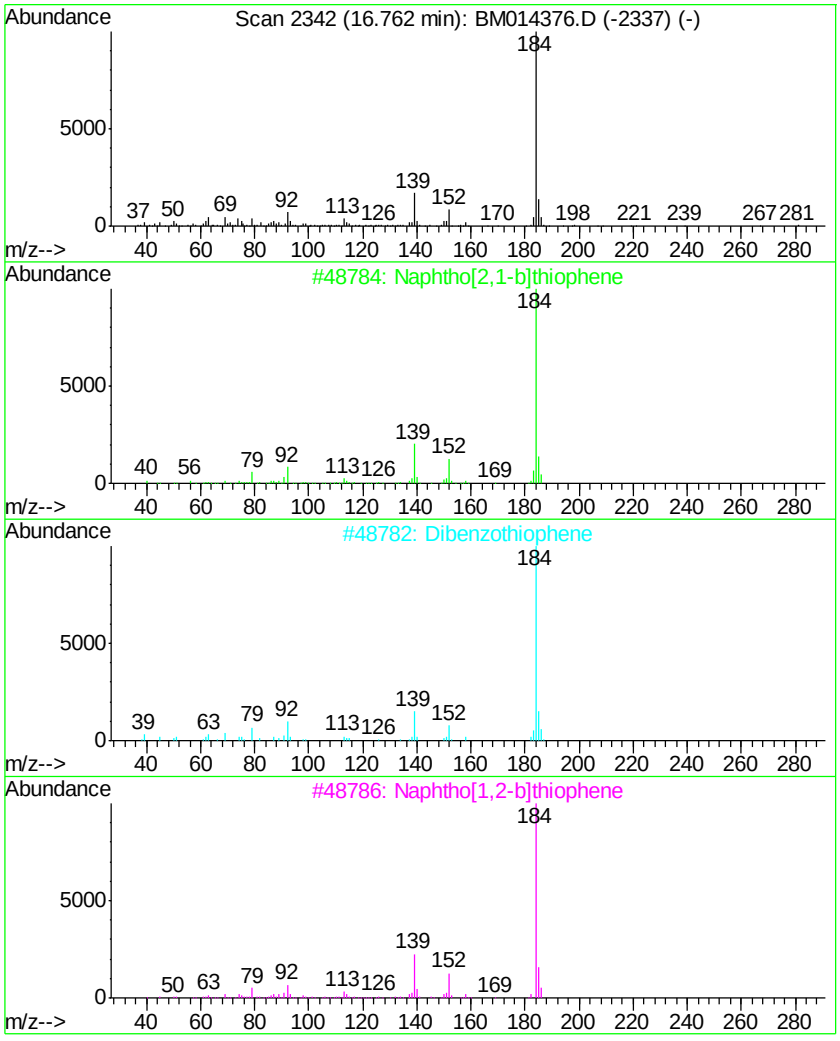
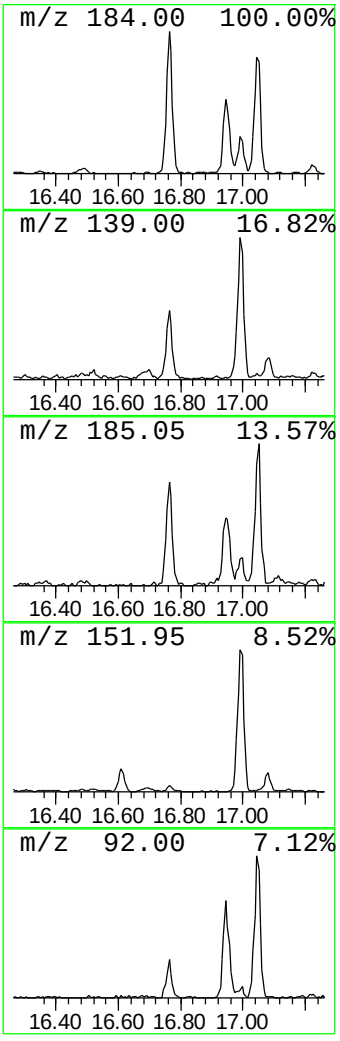
Peak Number 11 Naphtho[2,1-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	6.70 ng/ul	778372	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	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 12 Naphthalene, 1-phenyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	3.66 ng/ul	424478	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	89
2	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	81
3	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	76
4	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	68
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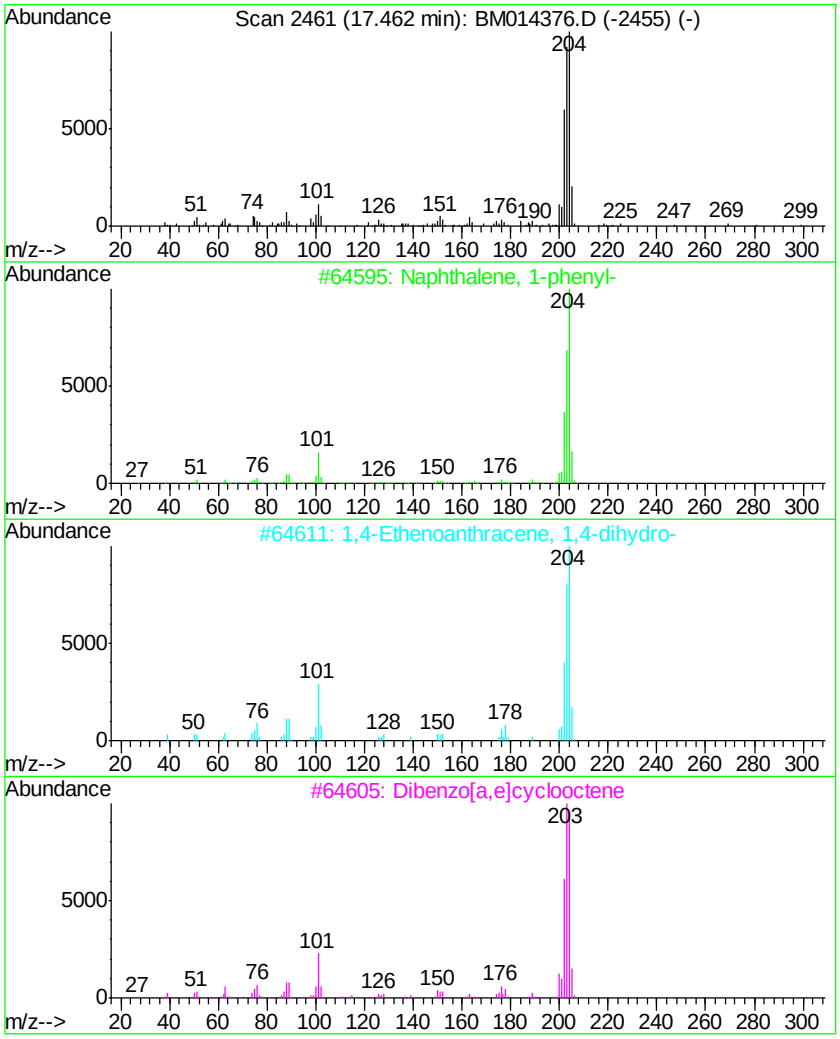

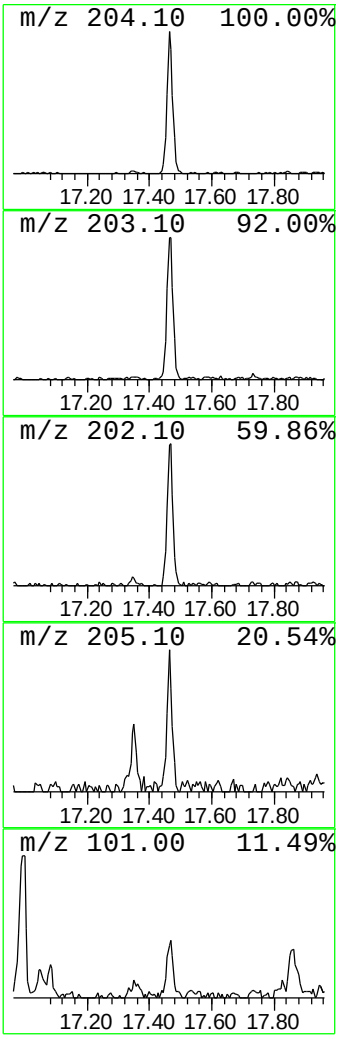

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Quant Title : SVOA CALIBRATION

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

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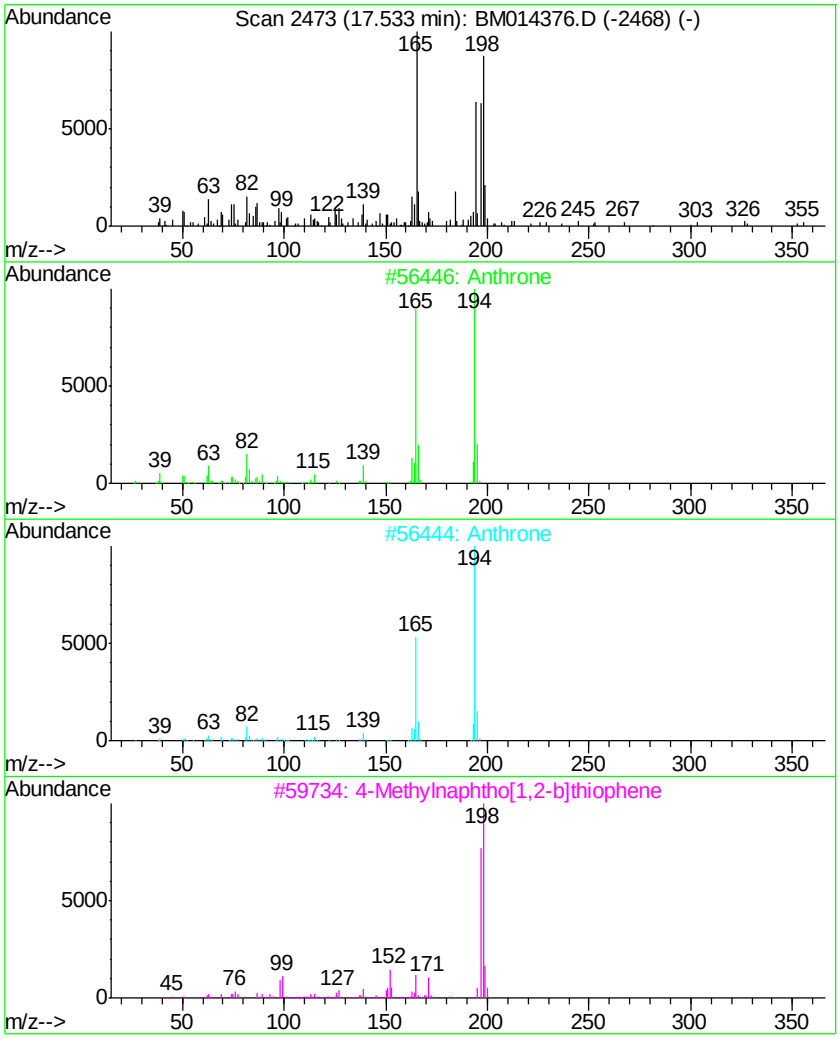
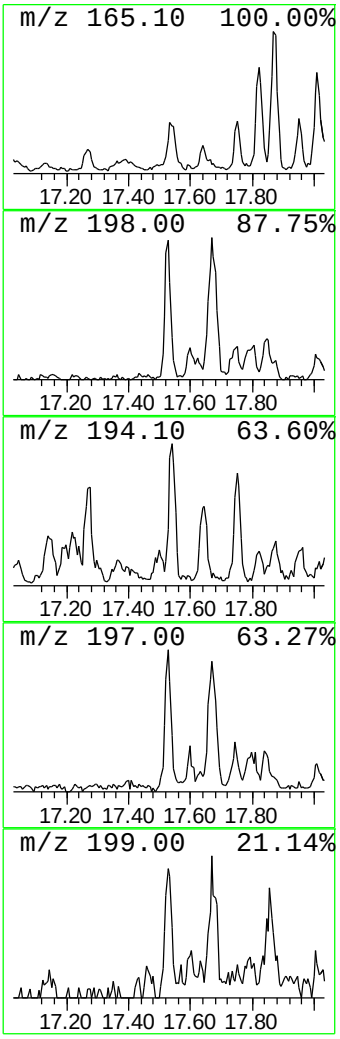
Peak Number 13 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	3.11 ng/ul	361313	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	46
2	Anthrone	194	C14H10O	000090-44-8	46
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	41
4	Phenanthrene, 1,2,3,3a-tetrahydr...	194	C15H14	091077-10-0	41
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	38





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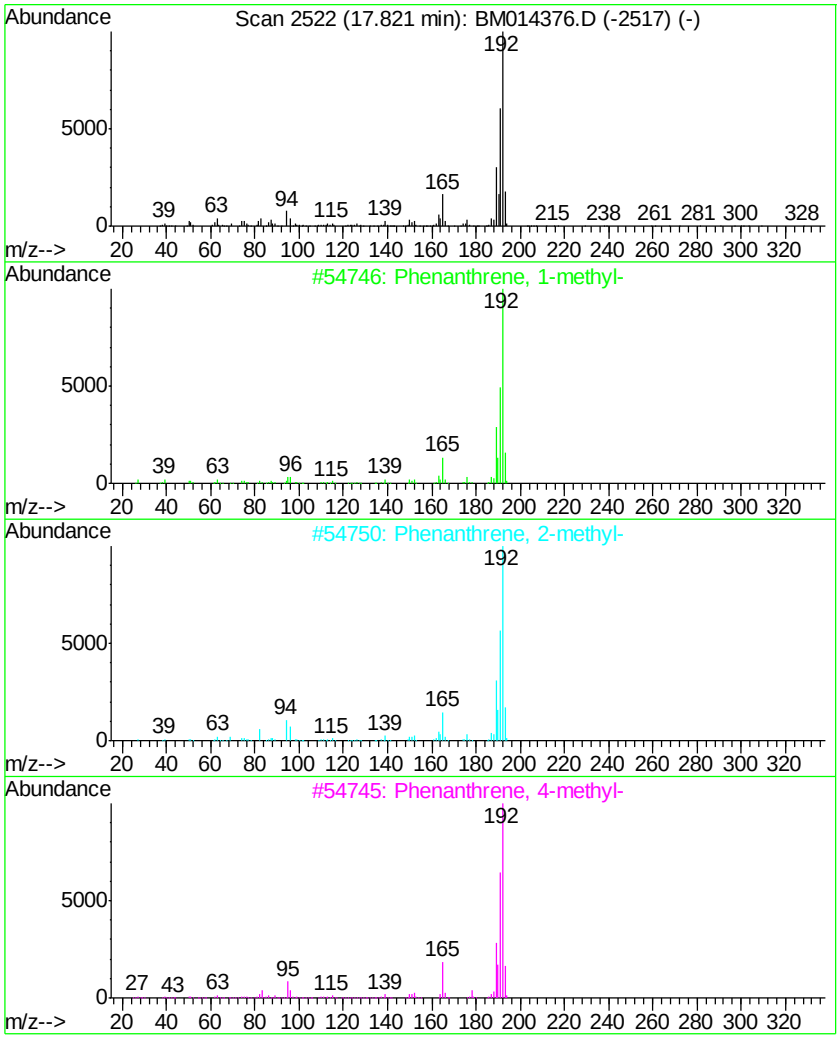
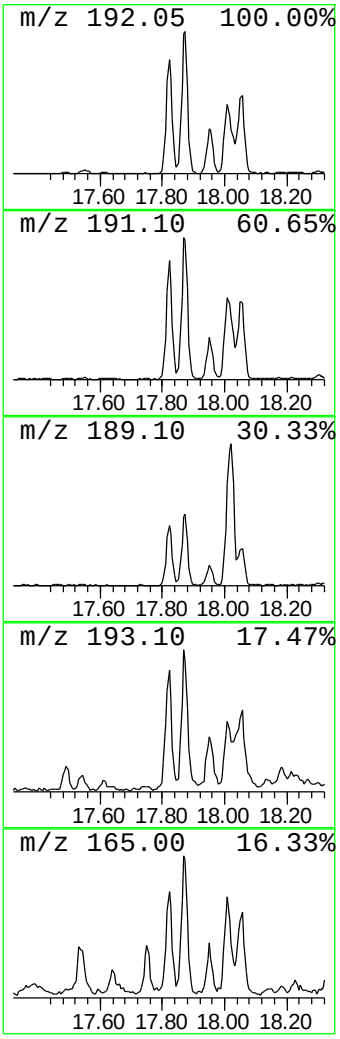
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	12.67 ng/ul	1471200	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, 4-methyl-	192	C15H12	000832-64-4	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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

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Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	22.88 ng/ul	2657130	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
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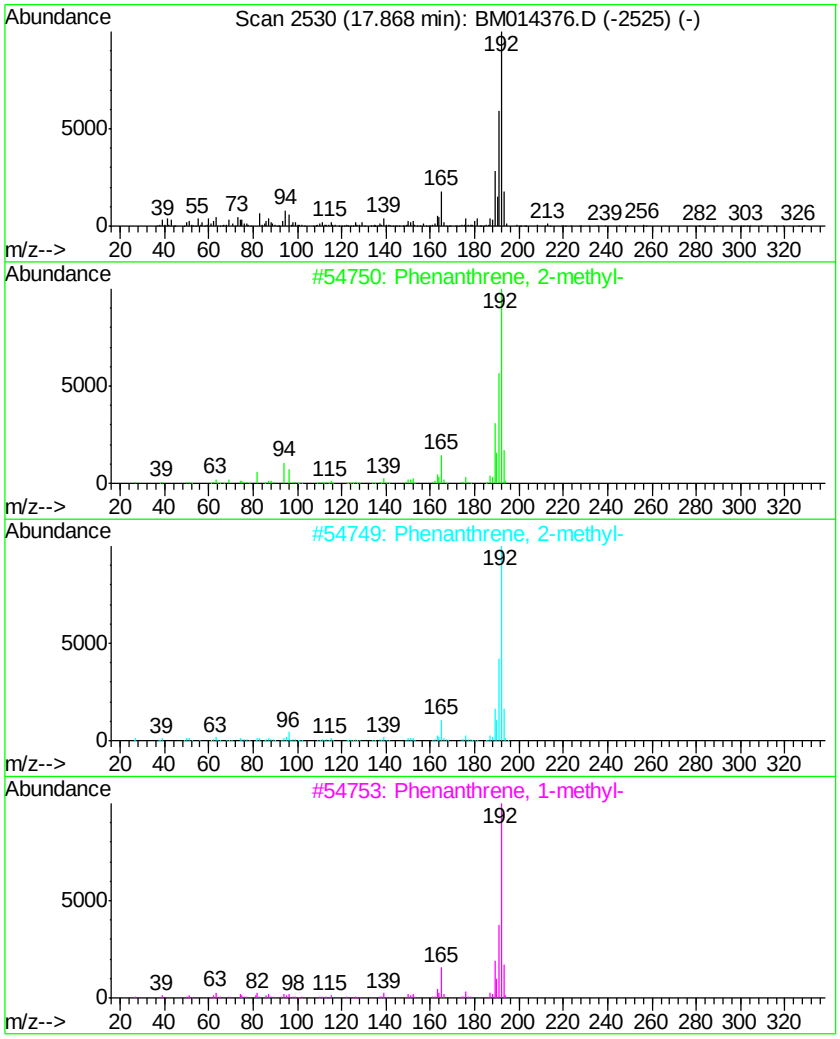

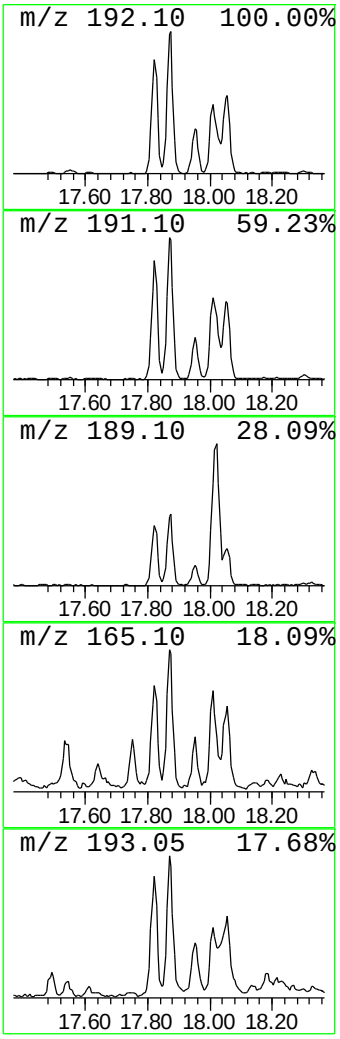

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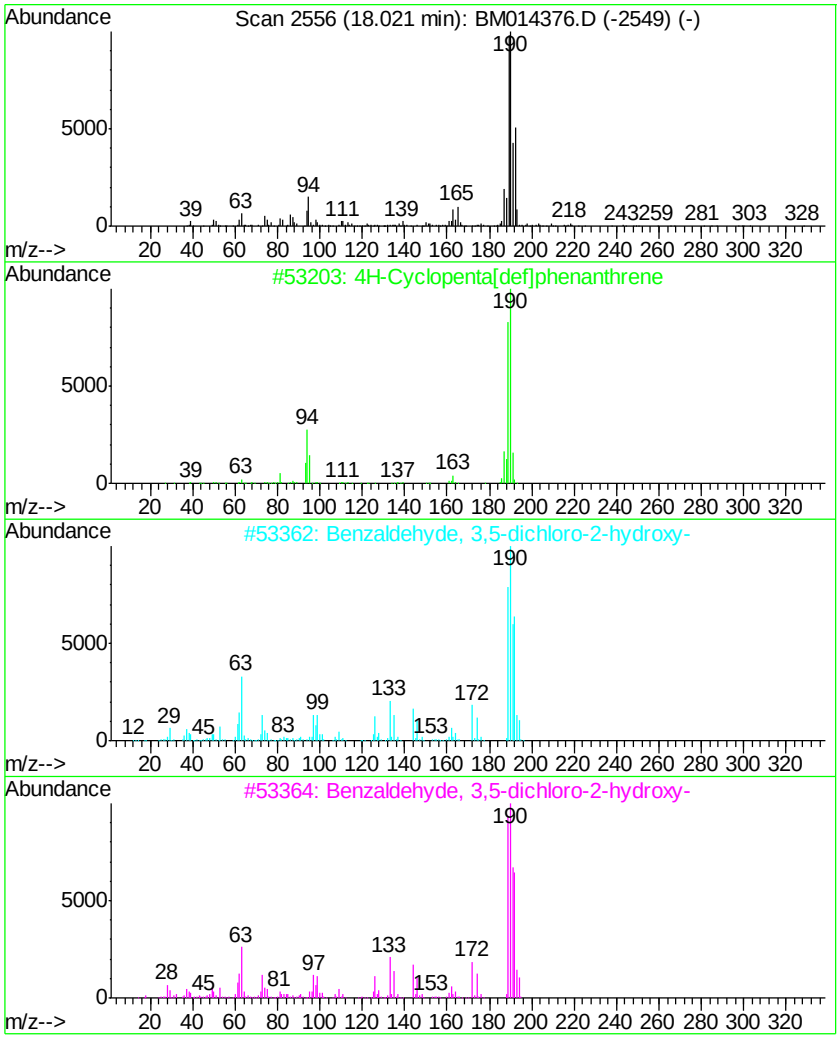
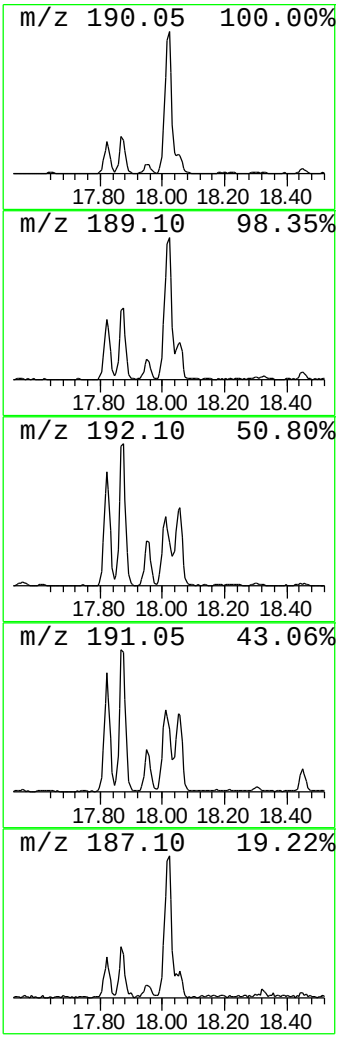
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	19.18 ng/ul	2226990	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	38





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

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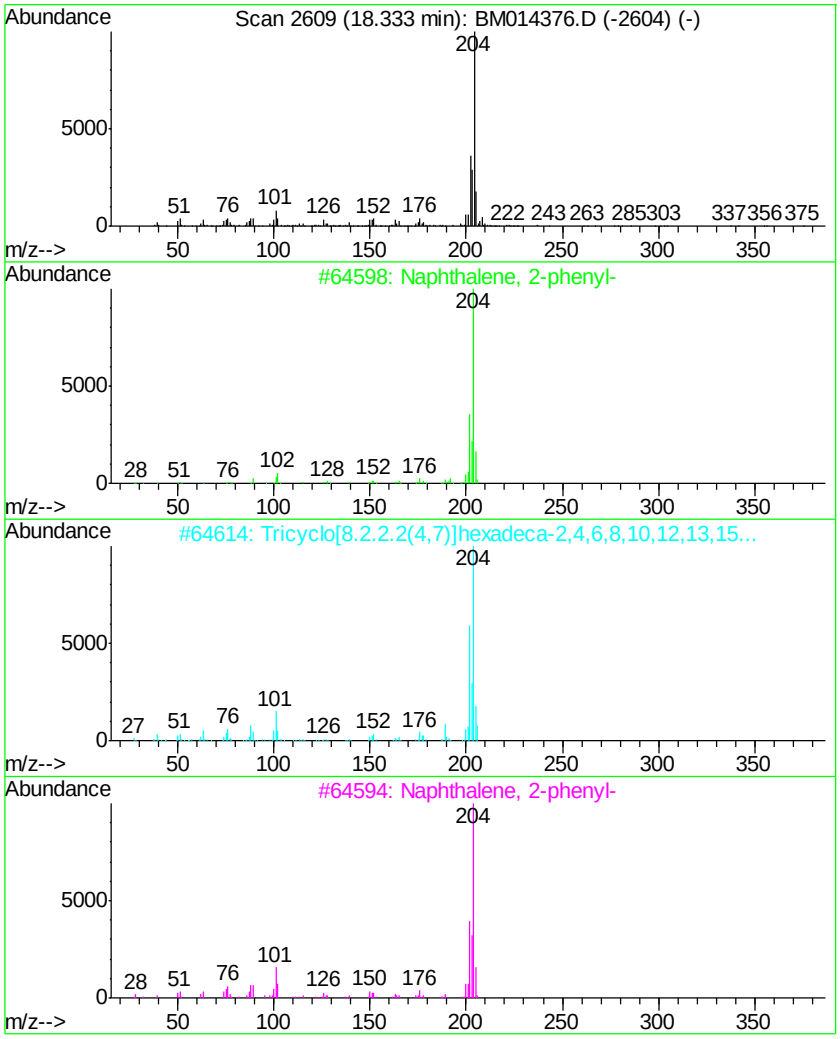
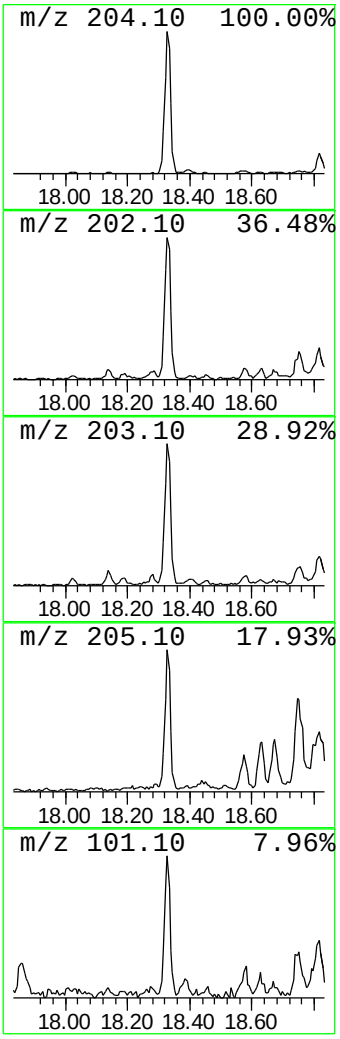
Peak Number 19 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	8.12 ng/ul	943363	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Quant Title : SVOA CALIBRATION

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

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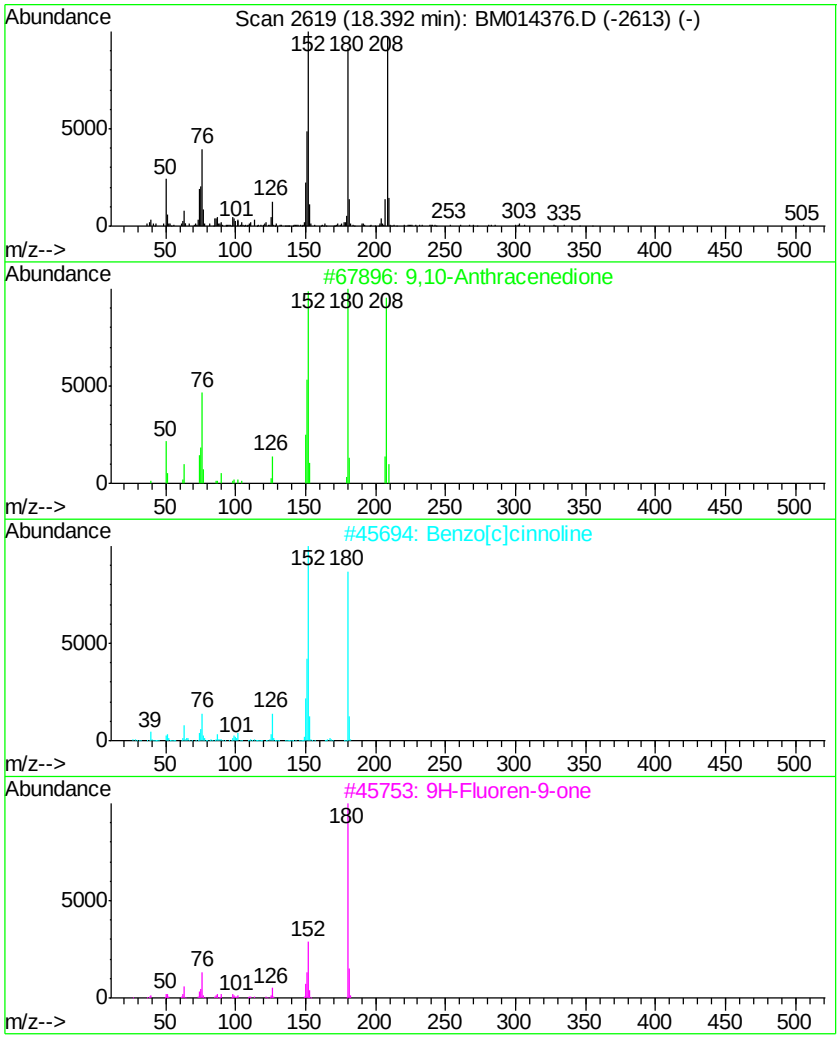
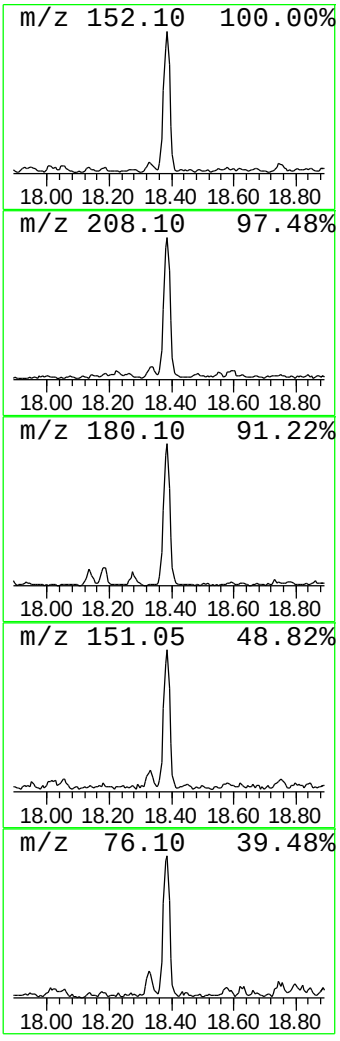
Peak Number 20 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	10.52 ng/ul	1221440	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	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	92
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83





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Sample : J1646-09
Misc :
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Instrument : BNA_M
ClientSampleId : BE5X3

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Quant Title : SVOA CALIBRATION

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

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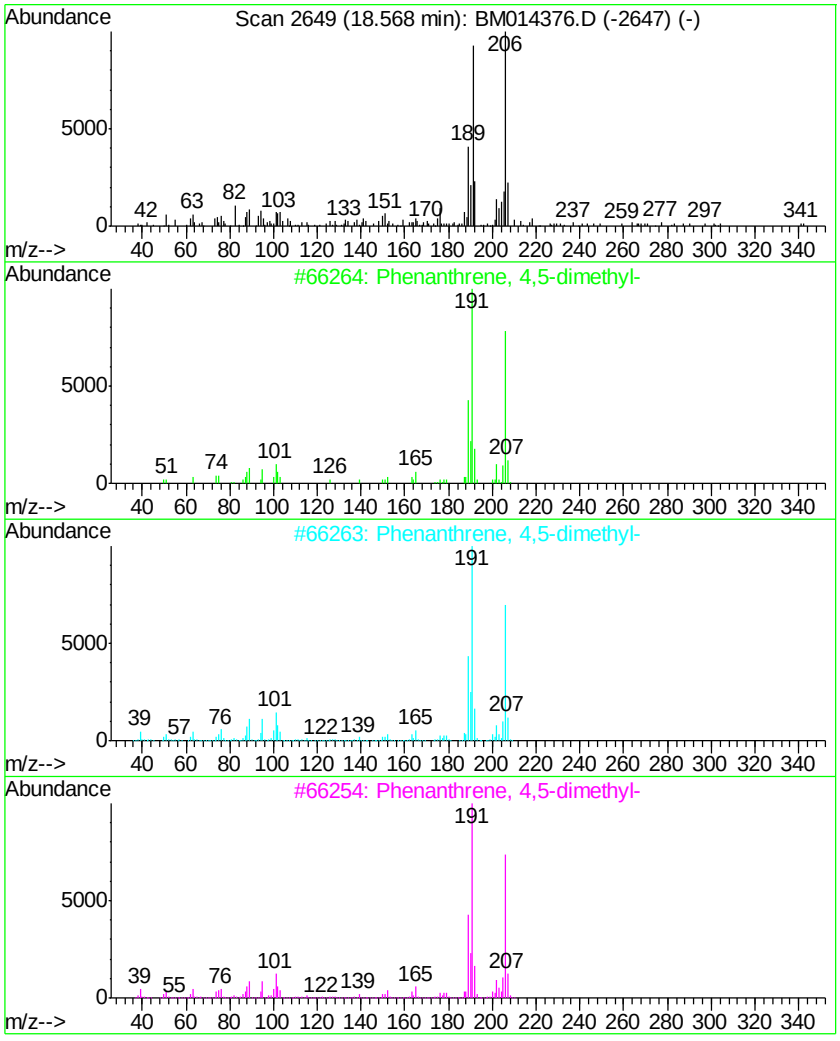
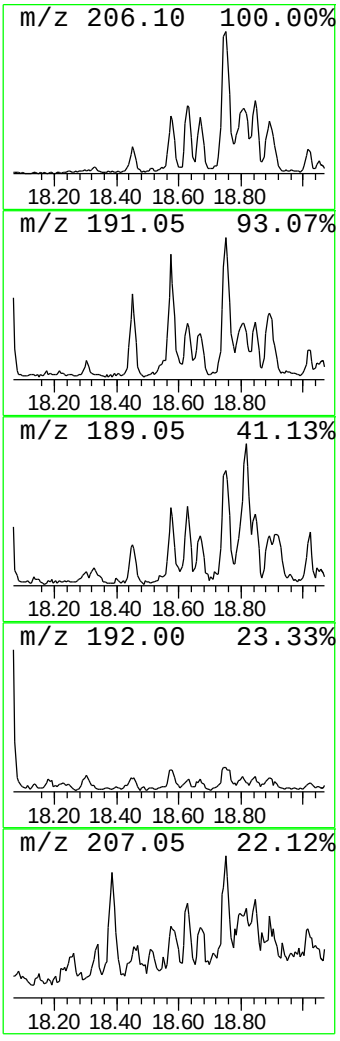
Peak Number 21 Phenanthrene, 4,5-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.49 ng/ul	289624	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	97
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	97
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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Quant Title : SVOA CALIBRATION

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

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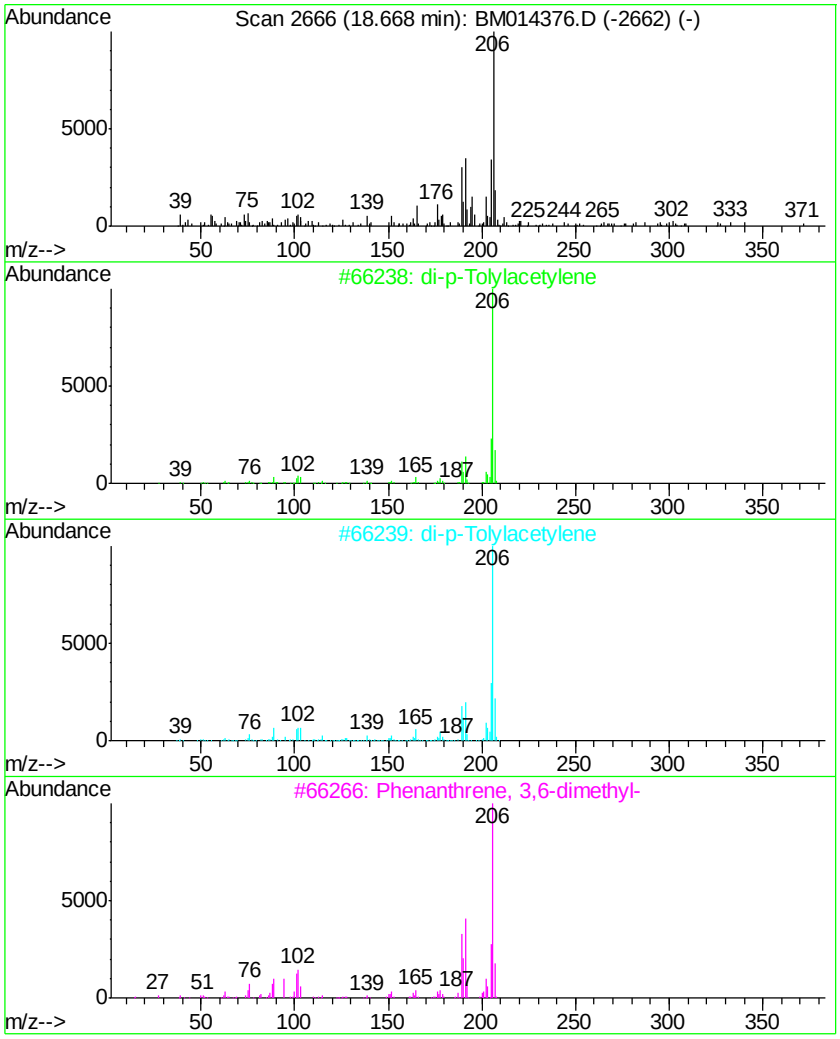
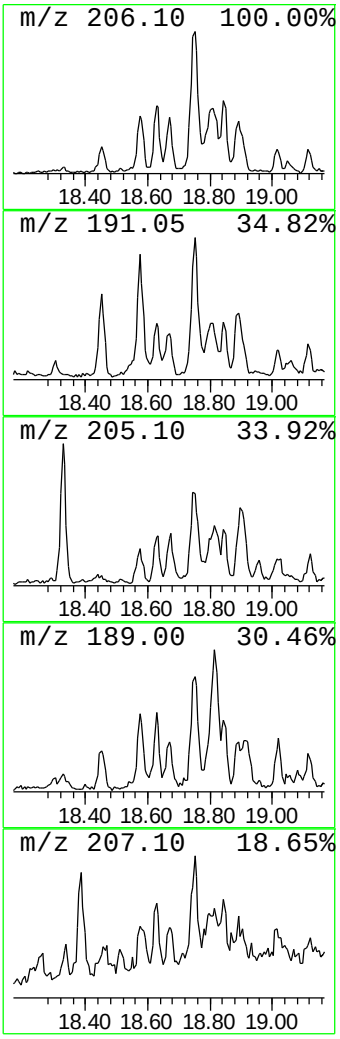
Peak Number 22 di-p-Tolylacetylene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	2.40 ng/ul	278597	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	76
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	76





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Quant Title : SVOA CALIBRATION

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

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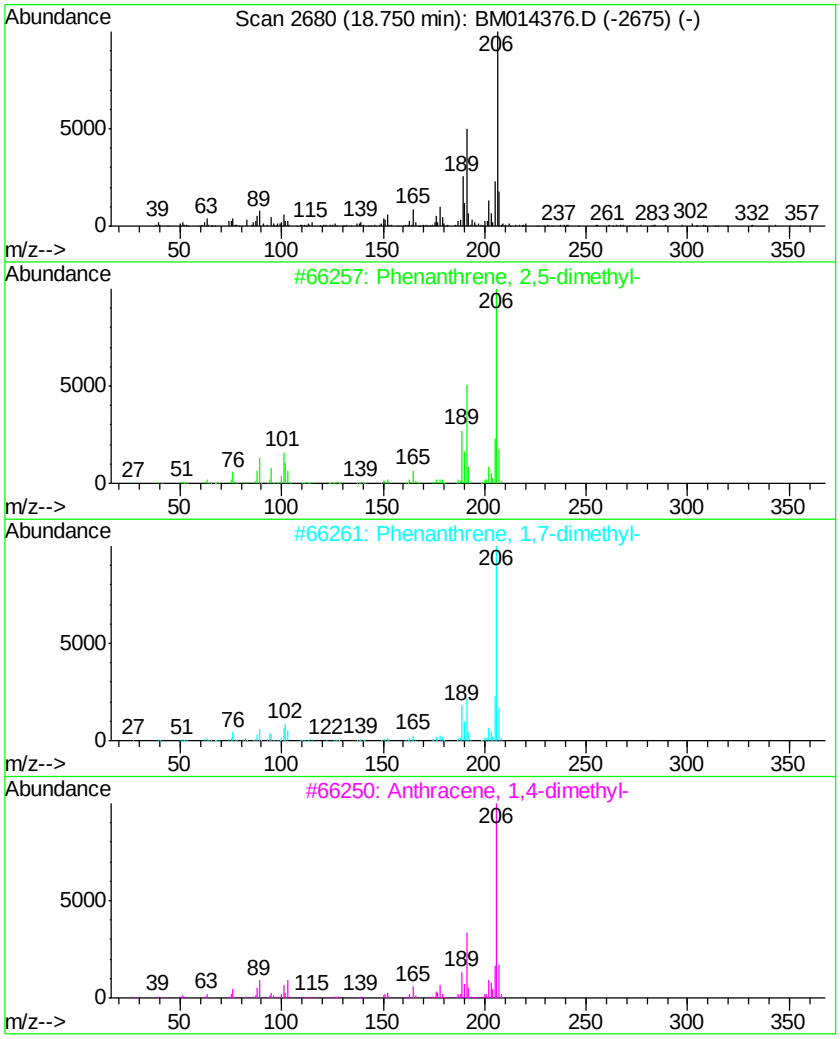
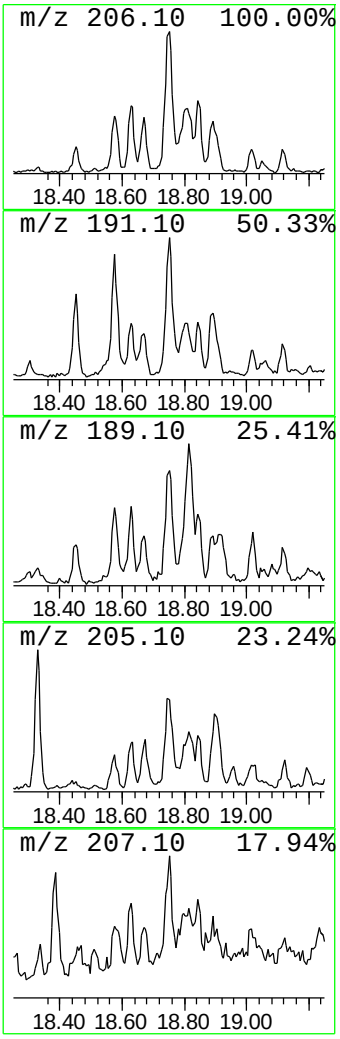
Peak Number 23 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	6.69 ng/ul	776455	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





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Quant Title : SVOA CALIBRATION

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

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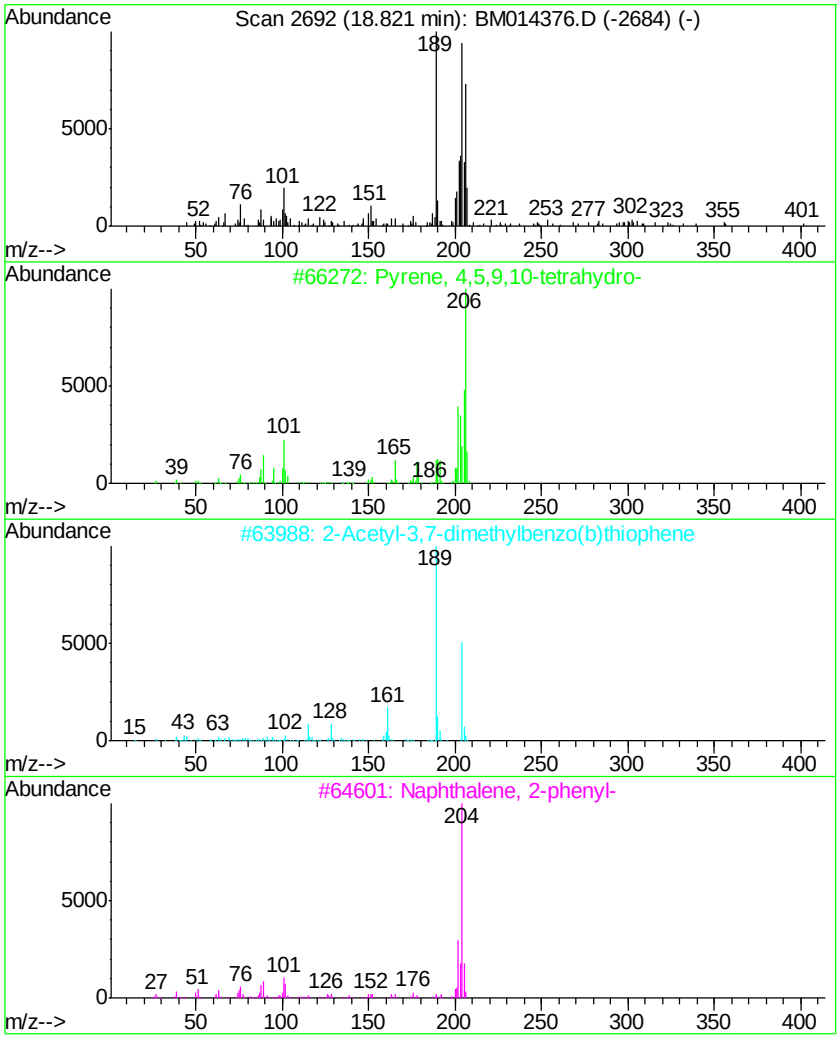
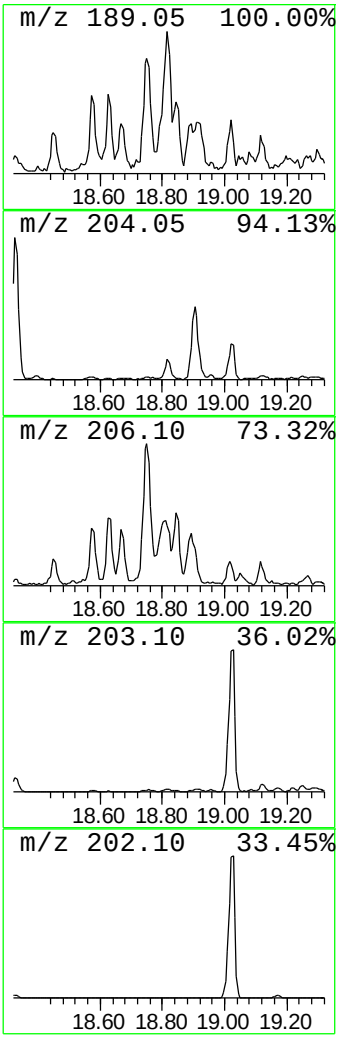
Peak Number 24 unknown-03 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	5.92 ng/ul	687770	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	38
2	2-Acetyl-3,7-dimethylbenzo(b)thi...	204	C12H12OS	006179-06-2	35
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25
5	6-Methoxy-3-methyl-2-benzofuranc...	206	C11H10O4	010410-29-4	25





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Quant Title : SVOA CALIBRATION

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

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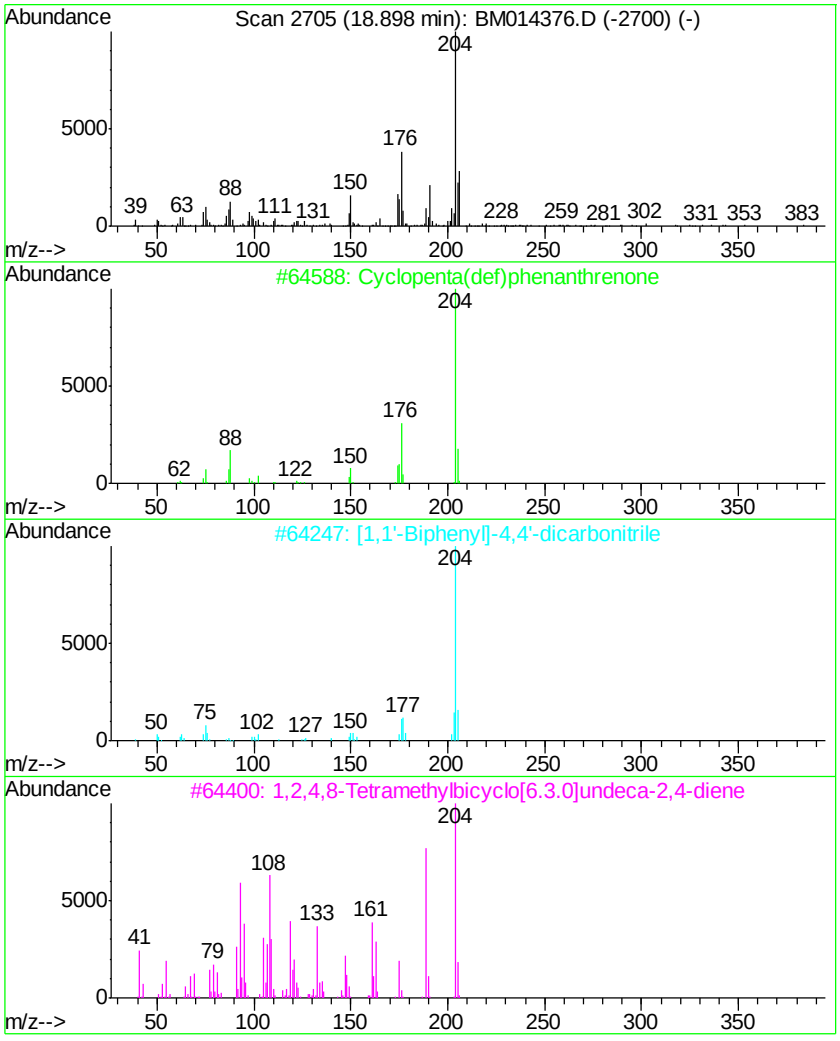
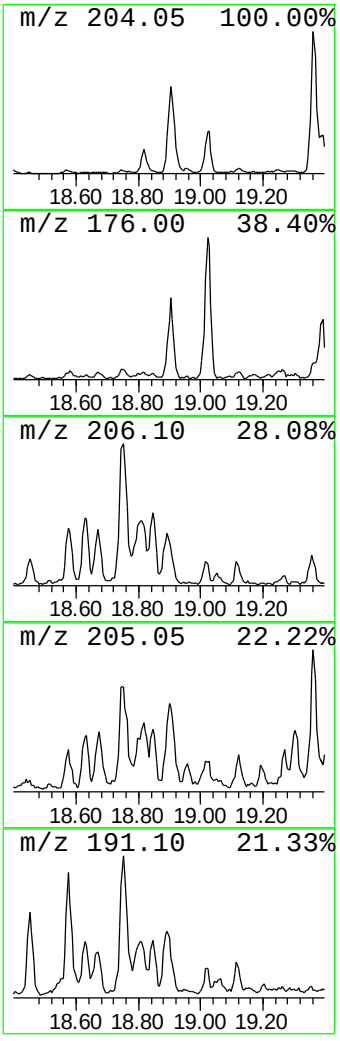
Peak Number 25 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	7.63 ng/ul	885720	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





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Quant Title : SVOA CALIBRATION

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

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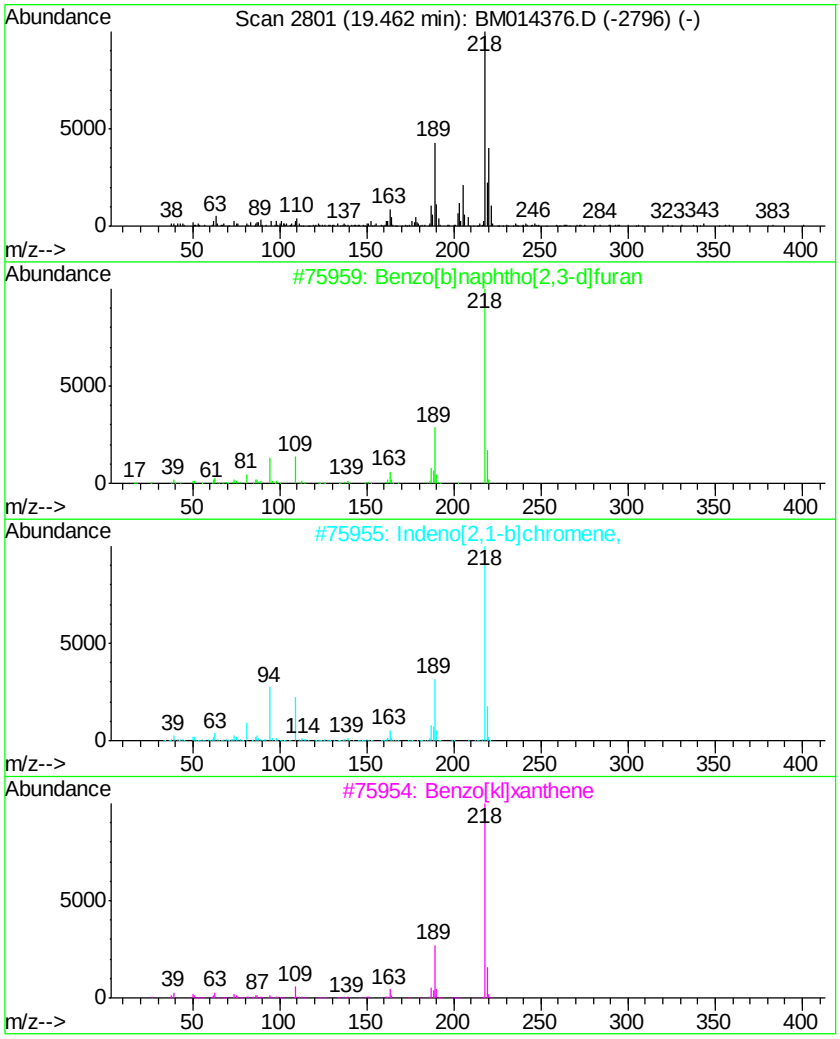
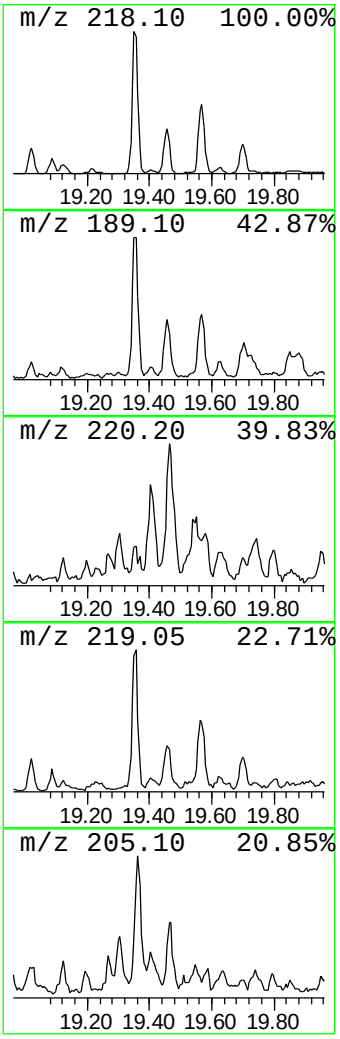
Peak Number 26 Benzo[b]naphtho[2,3-d]furan Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.46	2.14 ng/ul	666244	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
2	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	90
3	Benzo[kl]xanthene	218	C16H10O	000200-23-7	90
4	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	86
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	86





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Quant Title : SVOA CALIBRATION

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

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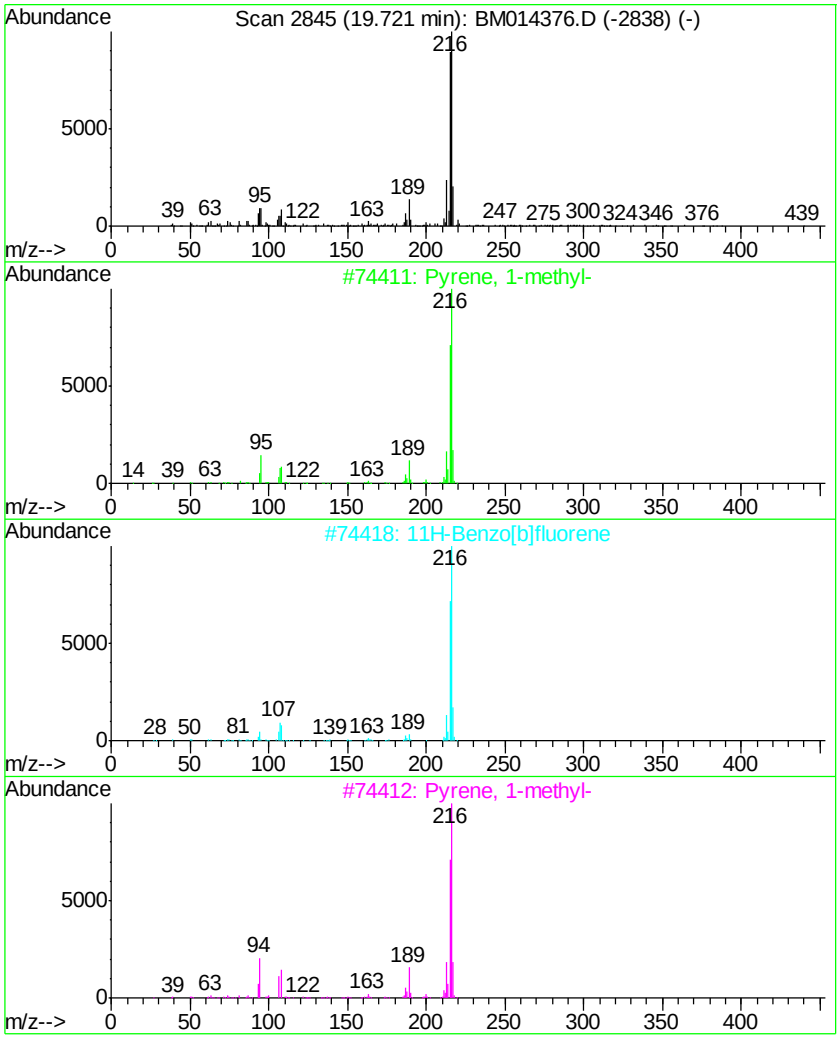
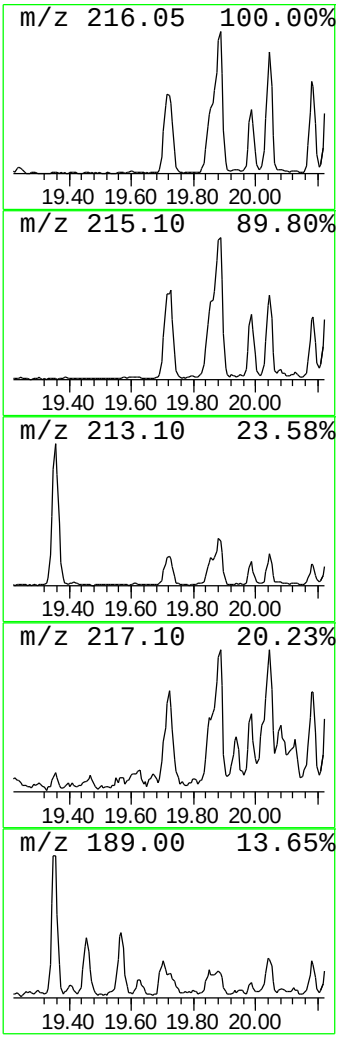
Peak Number 27 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	3.84 ng/ul	1197130	Chrysene-d12	21.16

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





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Quant Title : SVOA CALIBRATION

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

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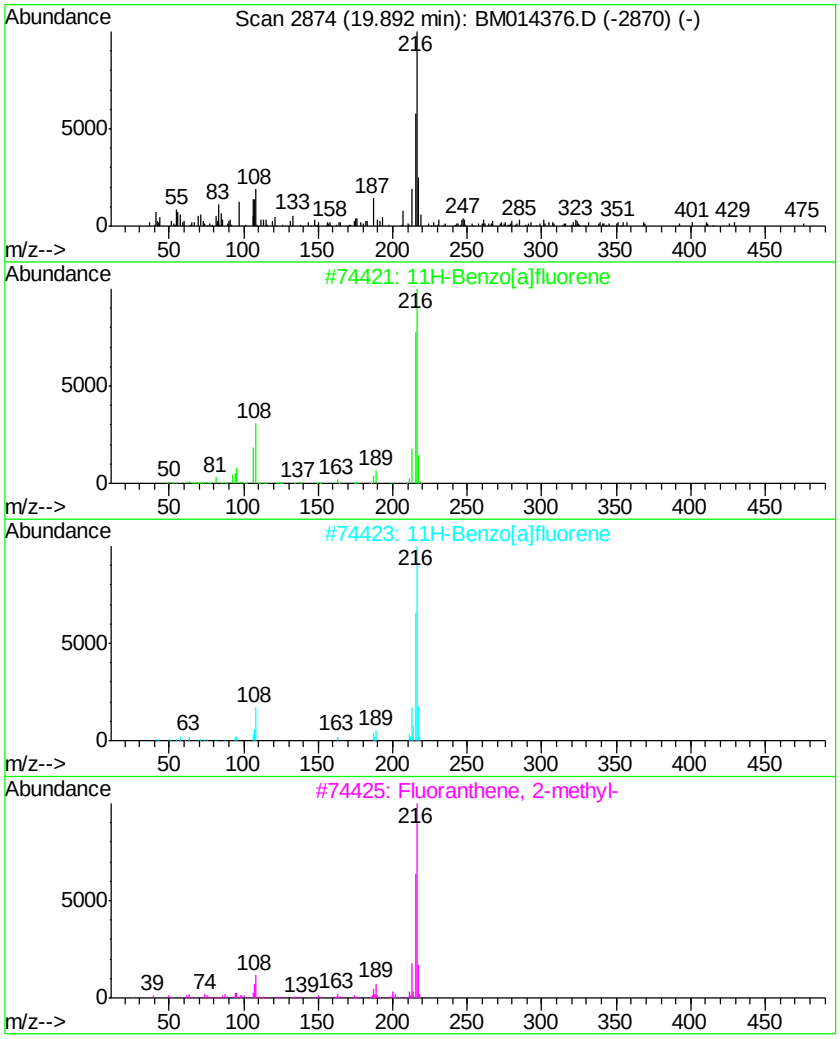
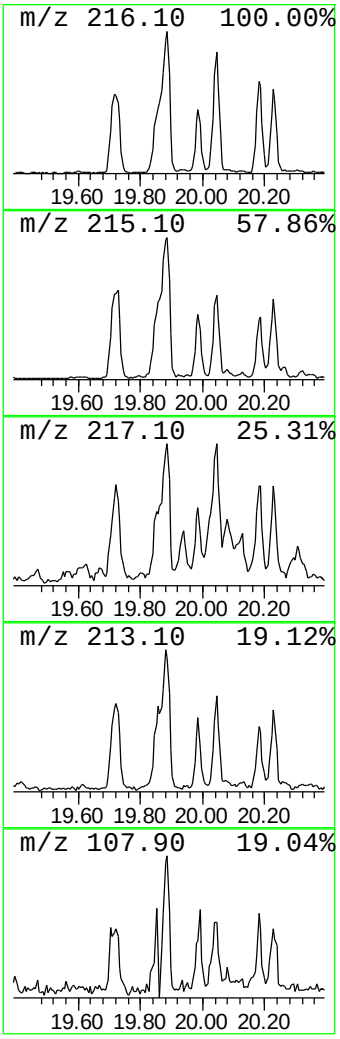
Peak Number 29 11H-Benzo[a]fluorene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	3.23 ng/ul	1007710	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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Quant Title : SVOA CALIBRATION

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

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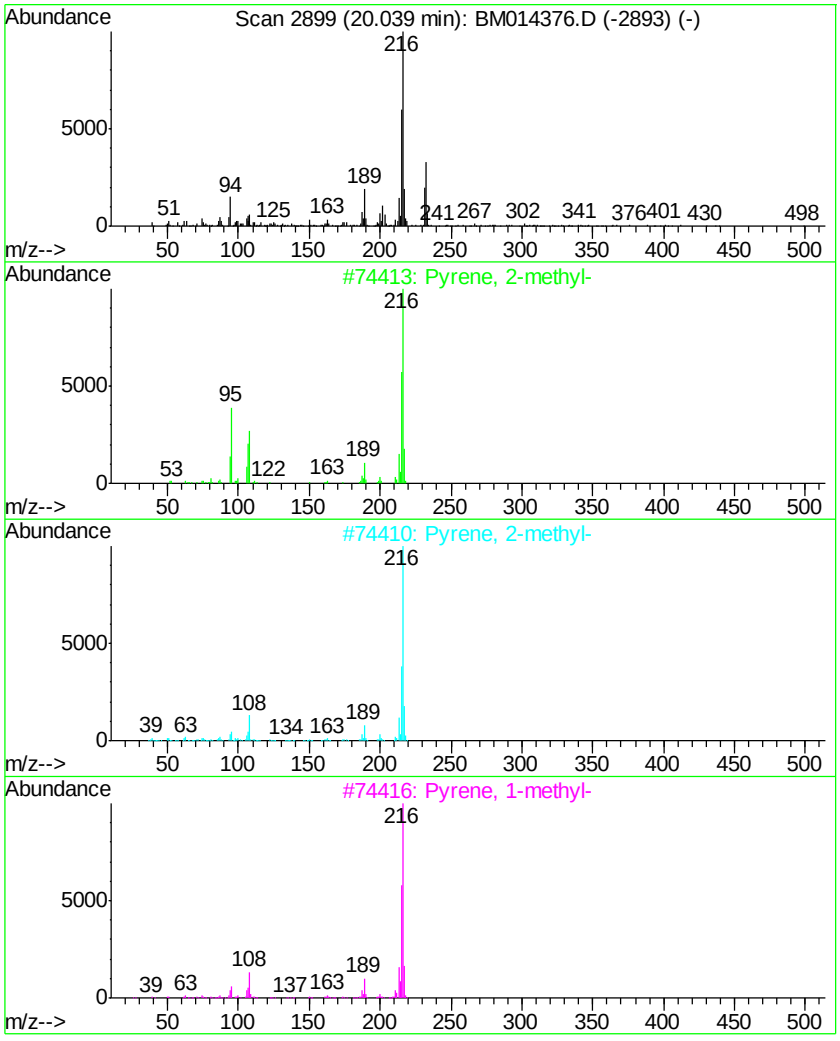
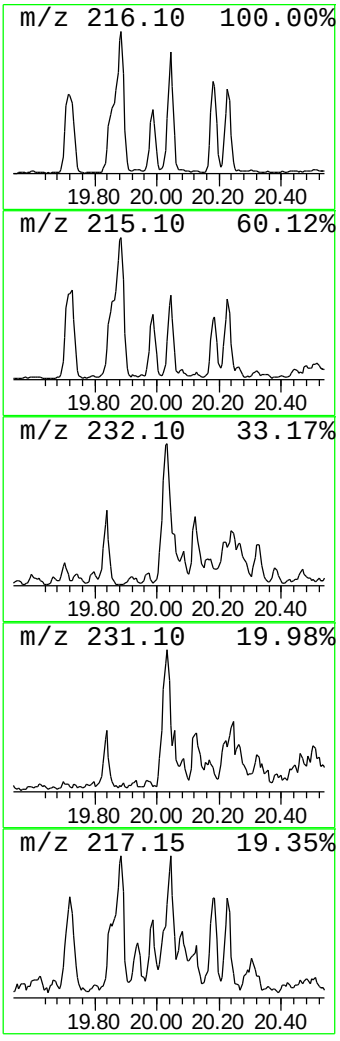
Peak Number 30 Pyrene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	3.57 ng/ul	1114180	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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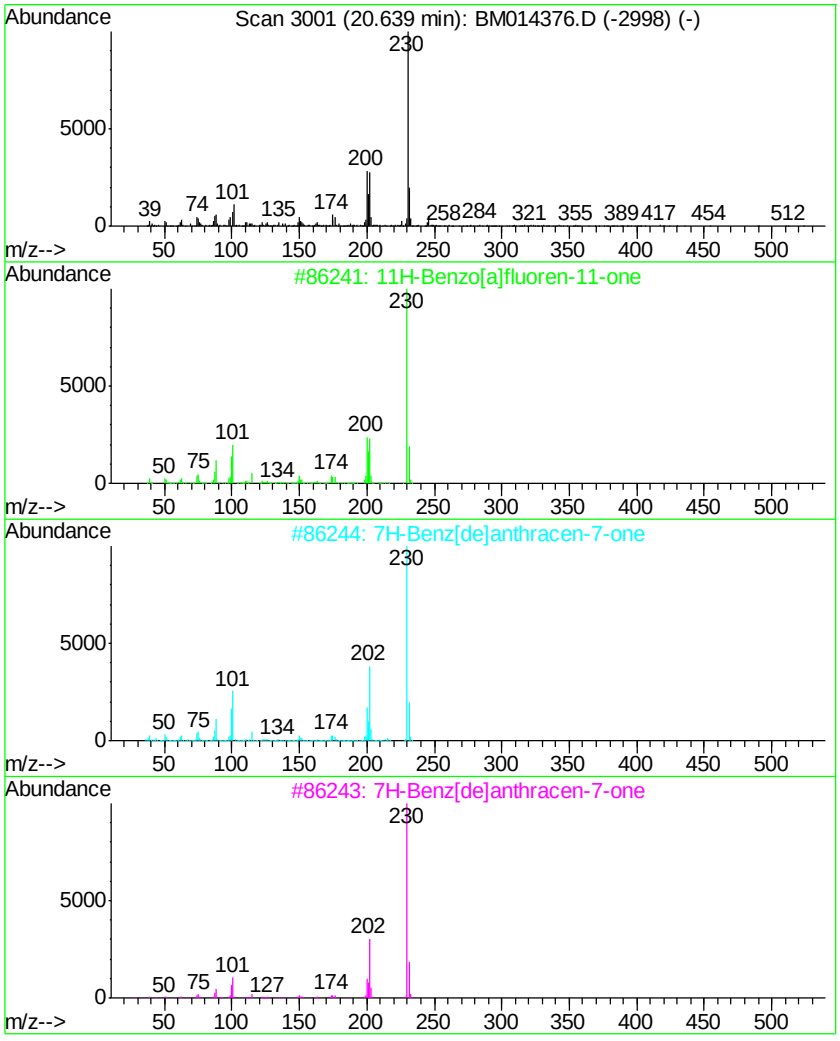
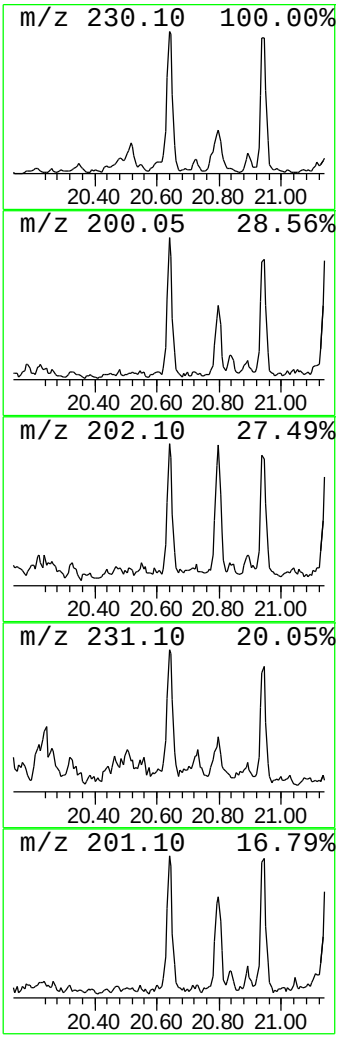
Peak Number 31 11H-Benzo[a]fluoren-11-one Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	2.65 ng/ul	825937	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	68
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





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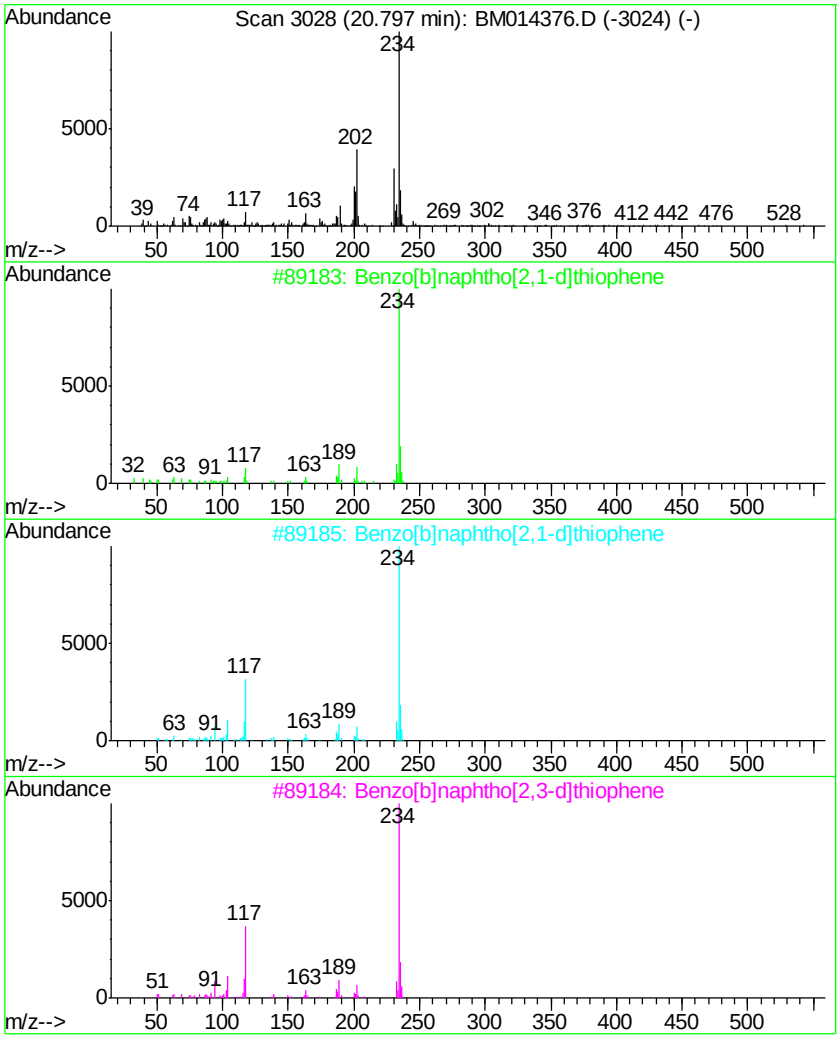
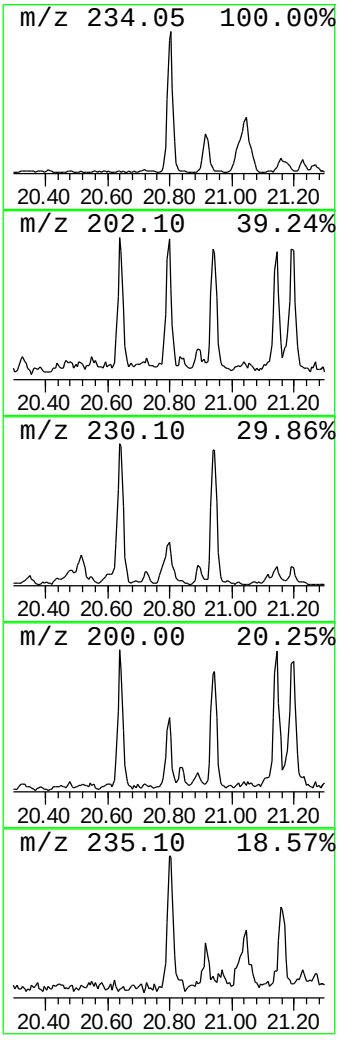
Peak Number 32 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	2.66 ng/ul	829096	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	60
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	60
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	49
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	49





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Acq On : 27 Feb 2018 02:59
Operator : SJ/JU
Sample : J1646-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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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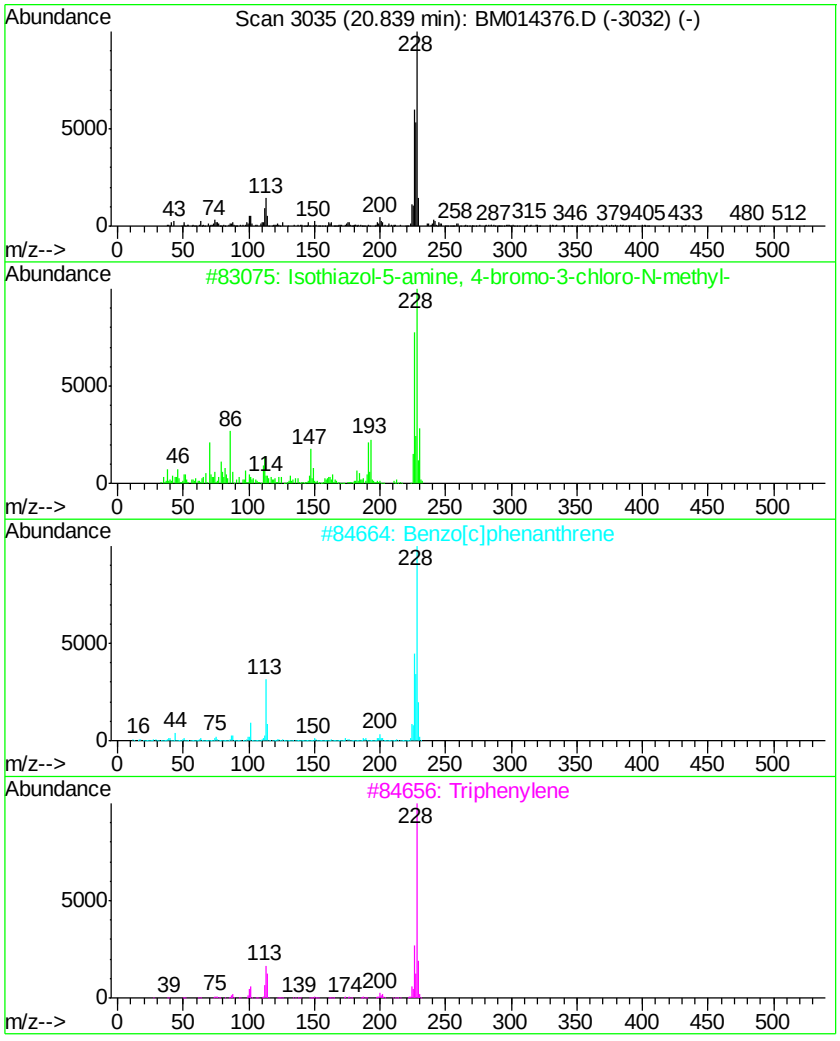
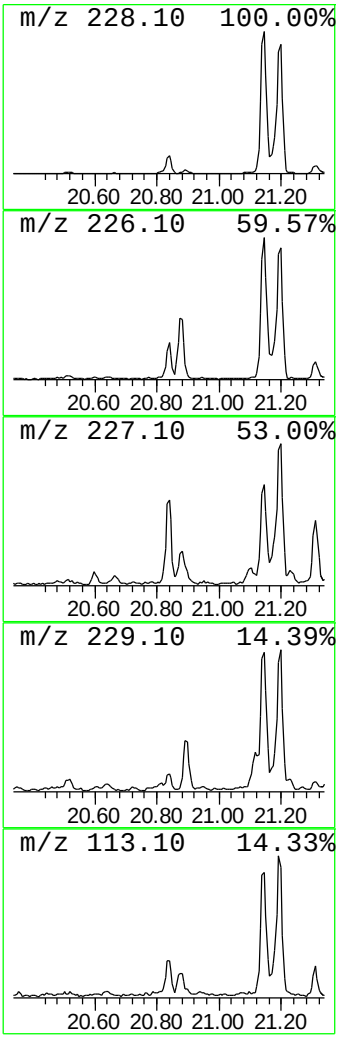
Peak Number 33 Isothiazol-5-amine, 4-bromo... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	2.38 ng/ul	742019	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	64
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
3	Triphenylene	228	C18H12	000217-59-4	55
4	Triphenylene	228	C18H12	000217-59-4	55
5	Benz[a]anthracene	228	C18H12	000056-55-3	55





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014376.D
Acq On : 27 Feb 2018 02:59
Operator : SJ/JU
Sample : J1646-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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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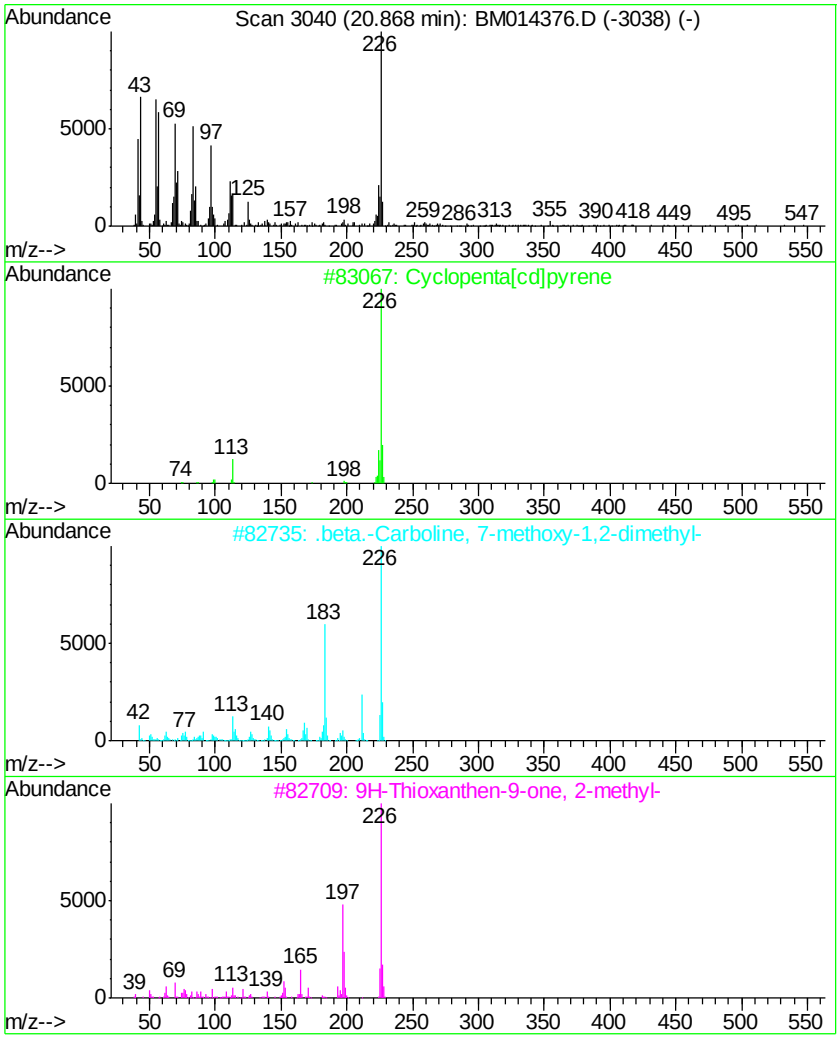
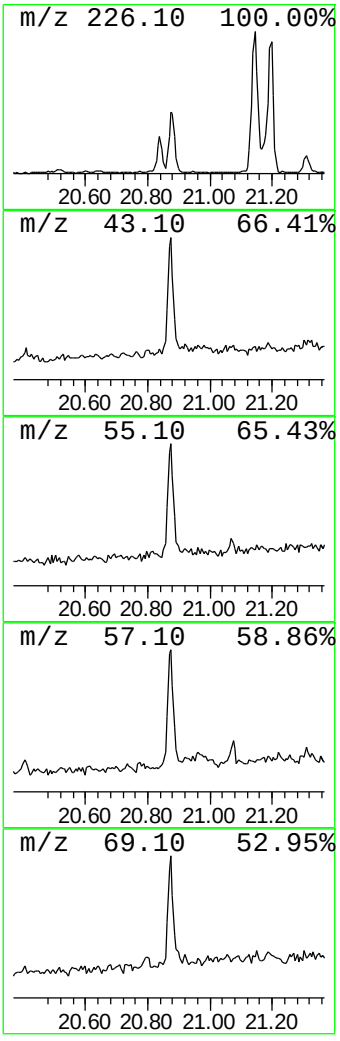
Peak Number 34 Cyclopenta[cd]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	5.51 ng/ul	1718870	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	62
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
5	Benzonitrile, 2-(5-methyl-2-thie...	226	C13H10N2S	315670-19-0	40





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014376.D
Acq On : 27 Feb 2018 02:59
Operator : SJ/JU
Sample : J1646-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3

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
Methacrylamide	3.60	5.0	ng/ul	295251	1	7.53	1185250	20.0
unknown-01	4.68	4.2	ng/ul	247860	1	7.53	1185250	20.0
Naphthalene, 1-me...	12.20	2.4	ng/ul	214059	2	10.30	1764200	20.0
Naphthalene, 2,7-...	13.50	2.8	ng/ul	317065	3	14.19	2305860	20.0
Dibenzofuran, 4-m...	15.54	3.7	ng/ul	425028	3	14.19	2305860	20.0
(DEL) Alkane: Str...	15.92	3.7	ng/ul	430838	4	16.94	2322240	20.0
9H-Fluorene, 2-me...	16.25	4.5	ng/ul	523431	4	16.94	2322240	20.0
9H-Fluoren-9-one	16.61	6.0	ng/ul	702335	4	16.94	2322240	20.0
Anthracene, 1,2,3...	16.70	6.6	ng/ul	767607	4	16.94	2322240	20.0
Naphtho[2,1-b]thi...	16.76	6.7	ng/ul	778372	4	16.94	2322240	20.0
Naphthalene, 1-ph...	17.46	3.7	ng/ul	424478	4	16.94	2322240	20.0
unknown-02	17.53	3.1	ng/ul	361313	4	16.94	2322240	20.0
Phenanthrene, 1-m...	17.82	12.7	ng/ul	1471200	4	16.94	2322240	20.0
Phenanthrene, 2-m...	17.87	22.9	ng/ul	2657130	4	16.94	2322240	20.0
4H-Cyclopenta[def...	18.02	19.2	ng/ul	2226990	4	16.94	2322240	20.0
Naphthalene, 2-ph...	18.33	8.1	ng/ul	943363	4	16.94	2322240	20.0
9,10-Anthracenedione	18.39	10.5	ng/ul	1221440	4	16.94	2322240	20.0
Phenanthrene, 4,5...	18.57	2.5	ng/ul	289624	4	16.94	2322240	20.0
di-p-Tolylacetylene	18.67	2.4	ng/ul	278597	4	16.94	2322240	20.0
Phenanthrene, 2,5...	18.75	6.7	ng/ul	776455	4	16.94	2322240	20.0
unknown-03	18.82	5.9	ng/ul	687770	4	16.94	2322240	20.0
Cyclopenta(def)ph...	18.90	7.6	ng/ul	885720	4	16.94	2322240	20.0
Benzo[b]naphtho[2...	19.46	2.1	ng/ul	666244	5	21.16	6234180	20.0
Pyrene, 1-methyl-	19.72	3.8	ng/ul	1197130	5	21.16	6234180	20.0
11H-Benzo[a]fluorene	19.89	3.2	ng/ul	1007710	5	21.16	6234180	20.0
Pyrene, 2-methyl-	20.04	3.6	ng/ul	1114180	5	21.16	6234180	20.0
11H-Benzo[a]fluor...	20.64	2.6	ng/ul	825937	5	21.16	6234180	20.0
Benzo[b]naphtho[2...	20.80	2.7	ng/ul	829096	5	21.16	6234180	20.0
Isothiazol-5-amin...	20.84	2.4	ng/ul	742019	5	21.16	6234180	20.0
Cyclopenta[cd]pyrene	20.87	5.5	ng/ul	1718870	5	21.16	6234180	20.0