LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014357.D
Acq On : 26 Feb 2018 15:35
Operator : SJ/JU
Sample : J1646-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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	4.681	284	288	297	rBV2	78877	172904	1.74%	0.147%
2	6.716	628	634	649	rBV	714859	1401954	14.10%	1.189%
3	6.875	656	661	673	rBV	579582	881951	8.87%	0.748%
4	7.063	686	693	703	rBV	800890	1341748	13.49%	1.138%
5	7.522	765	771	782	rBV	571789	947246	9.52%	0.804%
6	8.239	887	893	908	rBV	908834	1641503	16.50%	1.393%
7	8.681	961	968	984	rBV	853840	1464702	14.73%	1.243%
8	9.398	1081	1090	1102	rBV	711747	1315670	13.23%	1.116%
9	9.928	1173	1180	1193	rBV	925081	1794205	18.04%	1.522%
10	10.292	1235	1242	1247	rBV	856271	1397675	14.05%	1.186%
11	10.339	1247	1250	1257	rVB	111626	177013	1.78%	0.150%
12	10.451	1262	1269	1286	rBV	650389	1449150	14.57%	1.230%
13	11.975	1521	1528	1538	rBV	83048	159798	1.61%	0.136%
14	12.192	1557	1565	1573	rBV	109861	210123	2.11%	0.178%
15	13.351	1753	1762	1769	rBV6	69726	191594	1.93%	0.163%
16	13.492	1780	1786	1792	rBV	154370	282422	2.84%	0.240%
17	13.604	1799	1805	1809	rVV	2002865	2725210	27.40%	2.312%
18	13.651	1809	1813	1819	rVB	469993	674916	6.79%	0.573%
19	13.869	1842	1850	1863	rBV	2265377	3752394	37.73%	3.184%
20	14.180	1895	1903	1909	rVV2	1235150	1929401	19.40%	1.637%
21	14.245	1909	1914	1924	rVB	354653	528639	5.32%	0.449%
22	14.433	1941	1946	1960	rBV2	353459	833271	8.38%	0.707%
23	14.586	1967	1972	1977	rVB	452738	666452	6.70%	0.565%
24	14.804	2001	2009	2014	rBV4	69825	136490	1.37%	0.116%
25	15.045	2046	2050	2057	rVB4	123376	201742	2.03%	0.171%
26	15.180	2067	2073	2078	rBV	2712810	3756881	37.77%	3.187%
27	15.239	2078	2083	2089	rVB	478663	733561	7.38%	0.622%
28	15.339	2094	2100	2108	rBV2	754940	1314066	13.21%	1.115%
29	15.533	2128	2133	2142	rVB2	252868	508231	5.11%	0.431%
30	15.680	2150	2158	2167	rVV	260835	563746	5.67%	0.478%
31	15.910	2193	2197	2206	rBV4	136313	252204	2.54%	0.214%
32	16.245	2244	2254	2260	rBV5	141380	370549	3.73%	0.314%
33	16.480	2286	2294	2296	rBV3	138620	235446	2.37%	0.200%
34	16.515	2296	2300	2303	rVB2	103080	136300	1.37%	0.116%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014357.D
Acq On : 26 Feb 2018 15:35
Operator : SJ/JU
Sample : J1646-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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	16.604	2310	2315	2321	rVB	355811	511189	5.14%	0.434%
36	16.674	2321	2327	2328	rBV2	152231	214099	2.15%	0.182%
37	16.757	2336	2341	2352	rVB	367070	601765	6.05%	0.511%
38	16.939	2366	2372	2375	rBV	1466314	2117288	21.29%	1.796%
39	16.986	2375	2380	2384	rVV	7263439	9946032	100.00%	8.439%
40	17.039	2384	2389	2393	rVV2	2901426	4329942	43.53%	3.674%
41	17.074	2393	2395	2400	rVV	1062392	1176971	11.83%	0.999%
42	17.357	2435	2443	2455	rBV2	323004	793217	7.98%	0.673%
43	17.462	2456	2461	2467	rVV2	153182	292512	2.94%	0.248%
44	17.533	2467	2473	2480	rVB6	120434	255961	2.57%	0.217%
45	17.657	2486	2494	2501	rVB6	62502	150467	1.51%	0.128%
46	17.815	2513	2521	2524	rBV	672490	997177	10.03%	0.846%
47	17.862	2524	2529	2536	rVB	1001399	1572283	15.81%	1.334%
48	17.945	2536	2543	2548	rBV	283408	416608	4.19%	0.353%
49	18.009	2548	2554	2558	rBV3	788351	1427676	14.35%	1.211%
50	18.045	2558	2560	2568	rVB	448191	567801	5.71%	0.482%
51	18.321	2602	2607	2612	rBV	527256	709985	7.14%	0.602%
52	18.374	2612	2616	2622	rVB	468696	645943	6.49%	0.548%
53	18.568	2645	2649	2654	rVB3	116957	177732	1.79%	0.151%
54	18.621	2654	2658	2661	rVB2	111933	142031	1.43%	0.121%
55	18.662	2661	2665	2669	rVB2	117731	153164	1.54%	0.130%
56	18.745	2673	2679	2683	rBV2	260508	453792	4.56%	0.385%
57	18.809	2683	2690	2693	rVV7	157077	383009	3.85%	0.325%
58	18.892	2698	2704	2711	rVB2	364531	637696	6.41%	0.541%
59	19.015	2715	2725	2731	rVV	7407280	9805421	98.59%	8.319%
60	19.115	2738	2742	2744	rVV2	160176	230284	2.32%	0.195%
61	19.162	2747	2750	2754	rVV	307145	401252	4.03%	0.340%
62	19.227	2755	2761	2763	rVV3	171928	317889	3.20%	0.270%
63	19.251	2763	2765	2771	rVV	262224	409363	4.12%	0.347%
64	19.345	2775	2781	2784	rVV	3788613	5869265	59.01%	4.980%
65	19.380	2784	2787	2794	rVV	5950780	7332186	73.72%	6.221%
66	19.451	2795	2799	2806	rVB2	307217	473905	4.76%	0.402%
67	19.556	2811	2817	2823	rBV	345731	527157	5.30%	0.447%
68	19.627	2824	2829	2834	rVB	201682	316726	3.18%	0.269%
69	19.703	2836	2842	2849	rBV4	318081	814217	8.19%	0.691%
70	19.874	2860	2871	2877	rBV2	466499	1226232	12.33%	1.040%
71	19.980	2885	2889	2892	rBV	175476	222278	2.23%	0.189%

LSC Area Percent Report

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Acq On : 26 Feb 2018 15:35
Operator : SJ/JU
Sample : J1646-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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

72	20.033	2892	2898	2903	rBV3	445834	773457	7.78%	0.656%
73	20.115	2909	2912	2916	rBV2	103540	137301	1.38%	0.116%
74	20.174	2917	2922	2926	rBV	273406	363185	3.65%	0.308%
75	20.221	2926	2930	2935	rVV2	296462	414937	4.17%	0.352%
76	20.633	2996	3000	3005	rBV	479165	590283	5.93%	0.501%
77	20.792	3023	3027	3031	rBV2	373894	502603	5.05%	0.426%
78	20.833	3031	3034	3037	rVV	363977	414481	4.17%	0.352%
79	20.868	3037	3040	3047	rVV2	388950	708592	7.12%	0.601%
80	20.933	3047	3051	3061	rVB	465548	697927	7.02%	0.592%
81	21.033	3061	3068	3071	rBV2	114722	285393	2.87%	0.242%
82	21.068	3071	3074	3077	rVB	225886	234728	2.36%	0.199%
83	21.139	3077	3086	3091	rBV2	2636159	5515511	55.45%	4.680%
84	21.186	3091	3094	3099	rVB	1980919	2237125	22.49%	1.898%
85	21.303	3110	3114	3117	rBV2	189292	229677	2.31%	0.195%
86	21.362	3121	3124	3127	rBV2	196314	232829	2.34%	0.198%
87	21.692	3176	3180	3184	rVV	308566	362134	3.64%	0.307%
88	21.739	3186	3188	3194	rVB	171828	239344	2.41%	0.203%
89	21.886	3209	3213	3215	rBV2	147700	199585	2.01%	0.169%
90	22.174	3258	3262	3266	rBV7	135814	249524	2.51%	0.212%
91	22.433	3303	3306	3316	rVB7	143057	296112	2.98%	0.251%
92	22.674	3341	3347	3352	rBV	1220527	2771630	27.87%	2.352%
93	22.839	3372	3375	3381	rVB	221081	339049	3.41%	0.288%
94	23.133	3420	3425	3429	rBV	607060	1061540	10.67%	0.901%
95	23.186	3429	3434	3438	rVV2	1544540	2820798	28.36%	2.393%
96	23.227	3438	3441	3447	rVB	1131334	1691068	17.00%	1.435%
97	23.315	3451	3456	3461	rBV	727661	1359230	13.67%	1.153%
98	23.368	3462	3465	3477	rVB2	296528	533197	5.36%	0.452%
99	25.474	3816	3823	3831	rVB3	455963	1170381	11.77%	0.993%
100	26.132	3928	3935	3946	rVB2	229268	662353	6.66%	0.562%

Sum of corrected areas: 117863646

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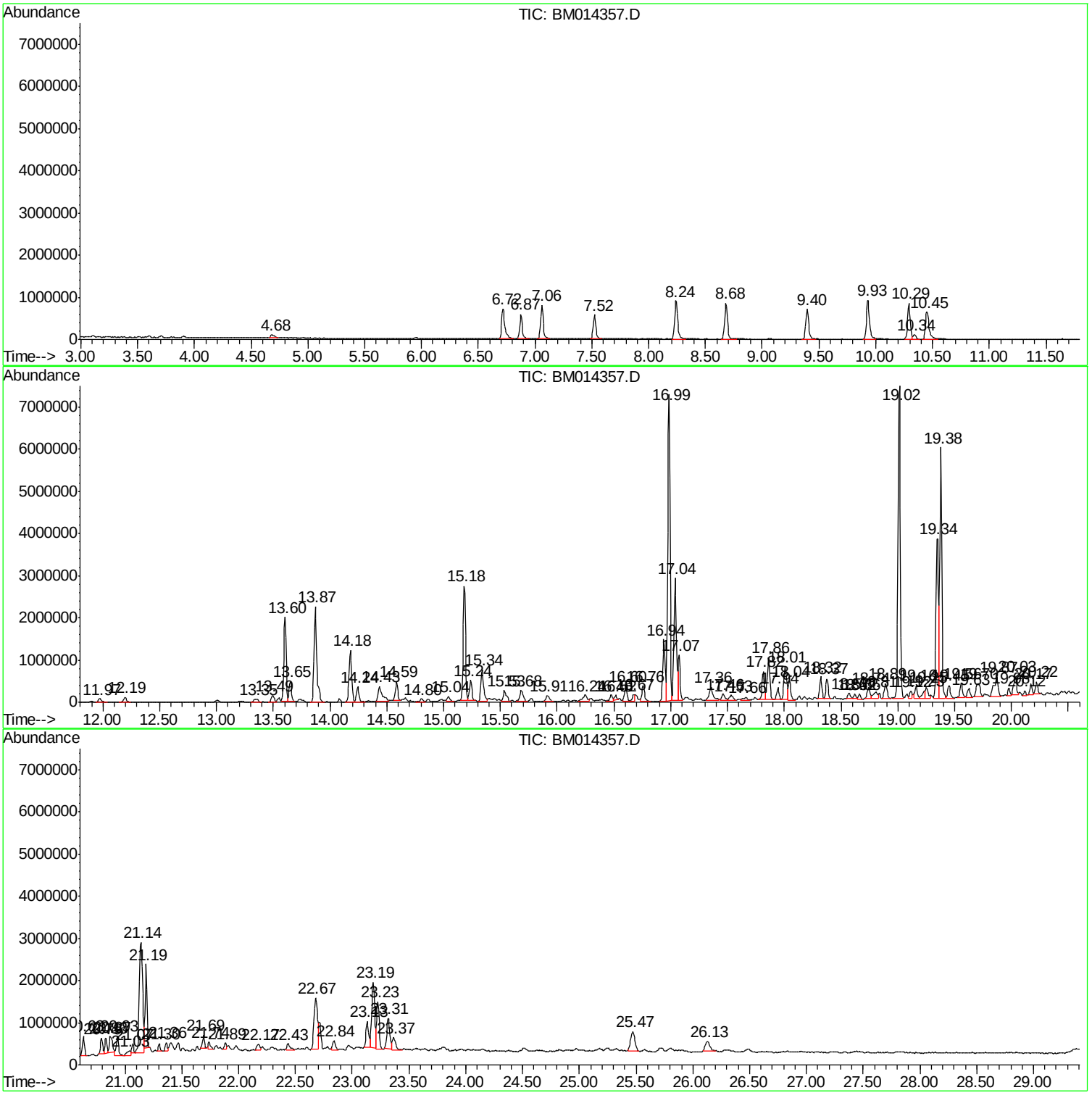
Operator : SJ/JU
Sample : J1646-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE5X4

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



Library Search Compound Report

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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

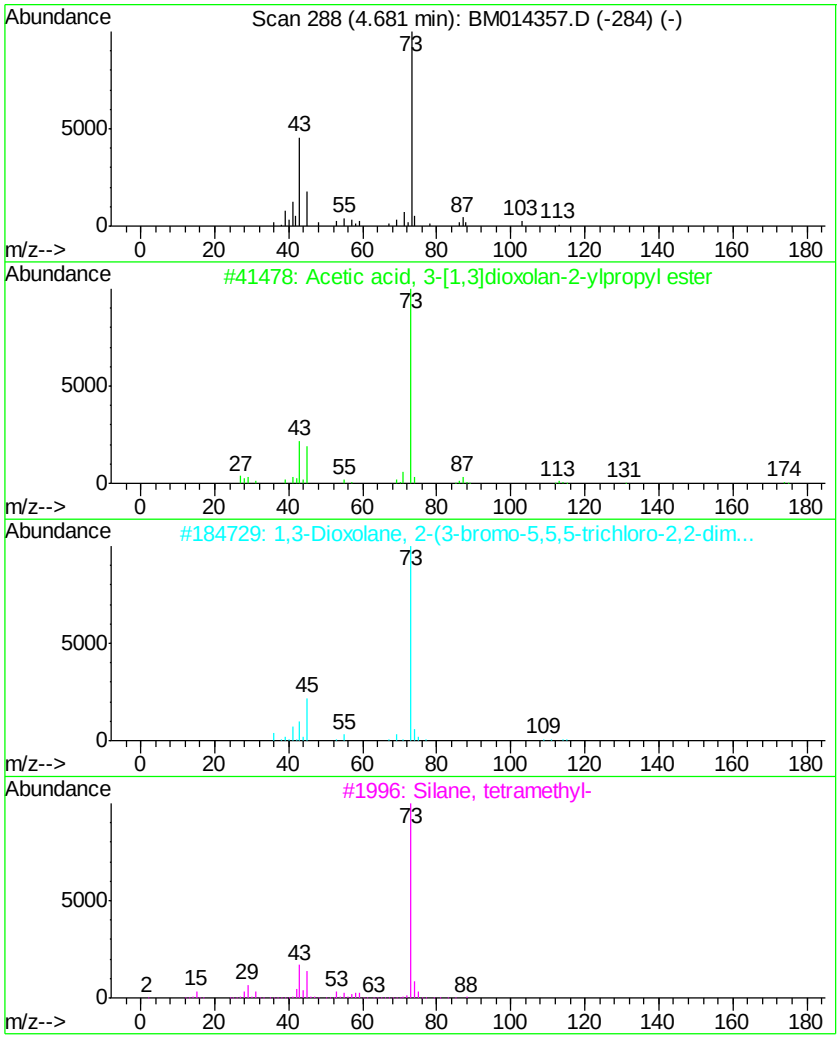
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

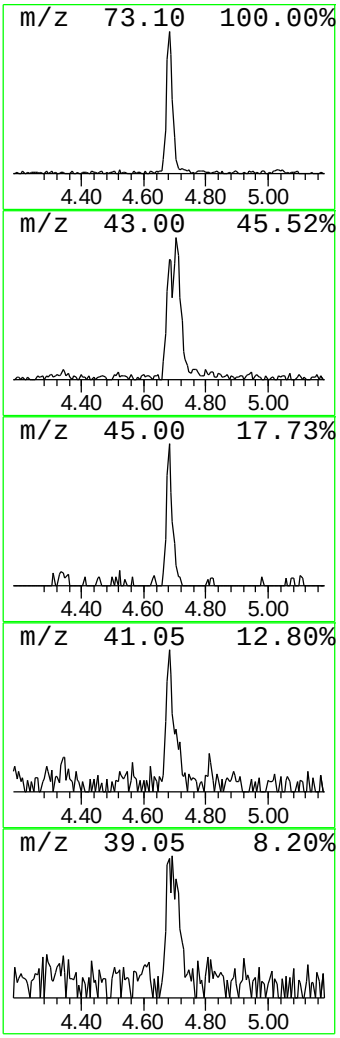
****

Peak Number 1 Acetic acid, 3-[1,3]dioxola... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	3.65 ng/ul	172904	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	50
2	1,3-Dioxolane, 2-(3-bromo-5,5,5-...	352	C10H16BrCl3O2	1000115-31-4	28
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	25
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	17
5	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	9





Library Search Compound Report

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Sample : J1646-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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

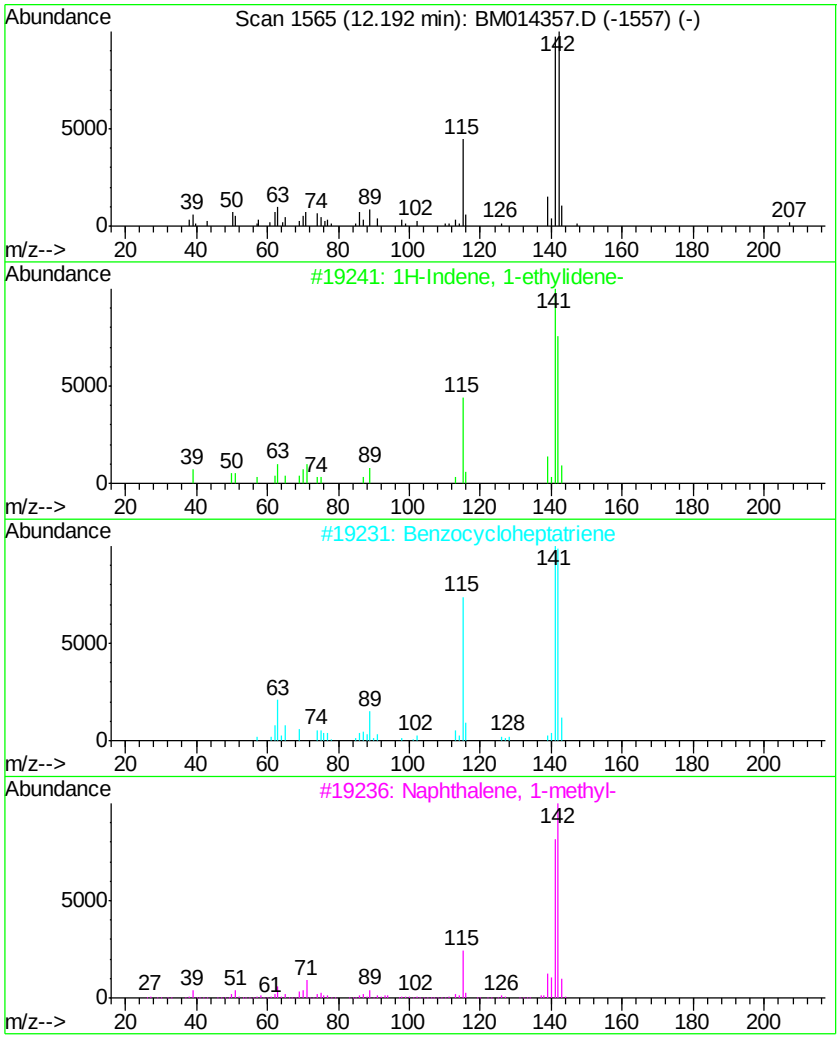
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

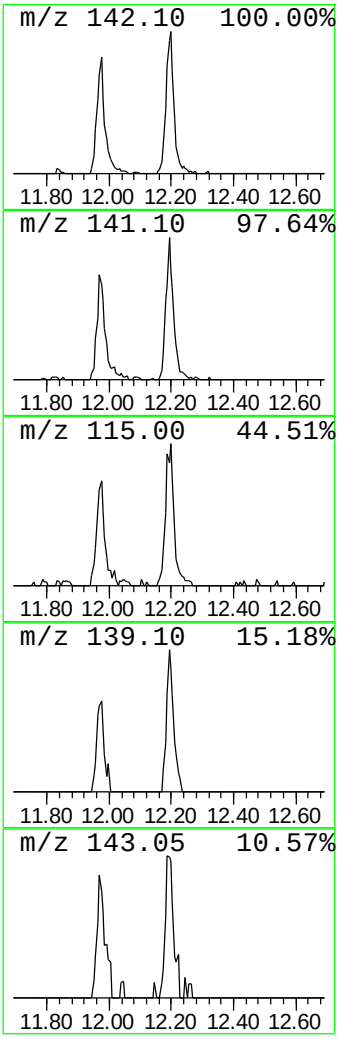
****

Peak Number 2 1H-Indene, 1-ethylidene- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	3.01 ng/ul	210123	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
2	Benzocycloheptatriene	142	C11H10	000264-09-5	91
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





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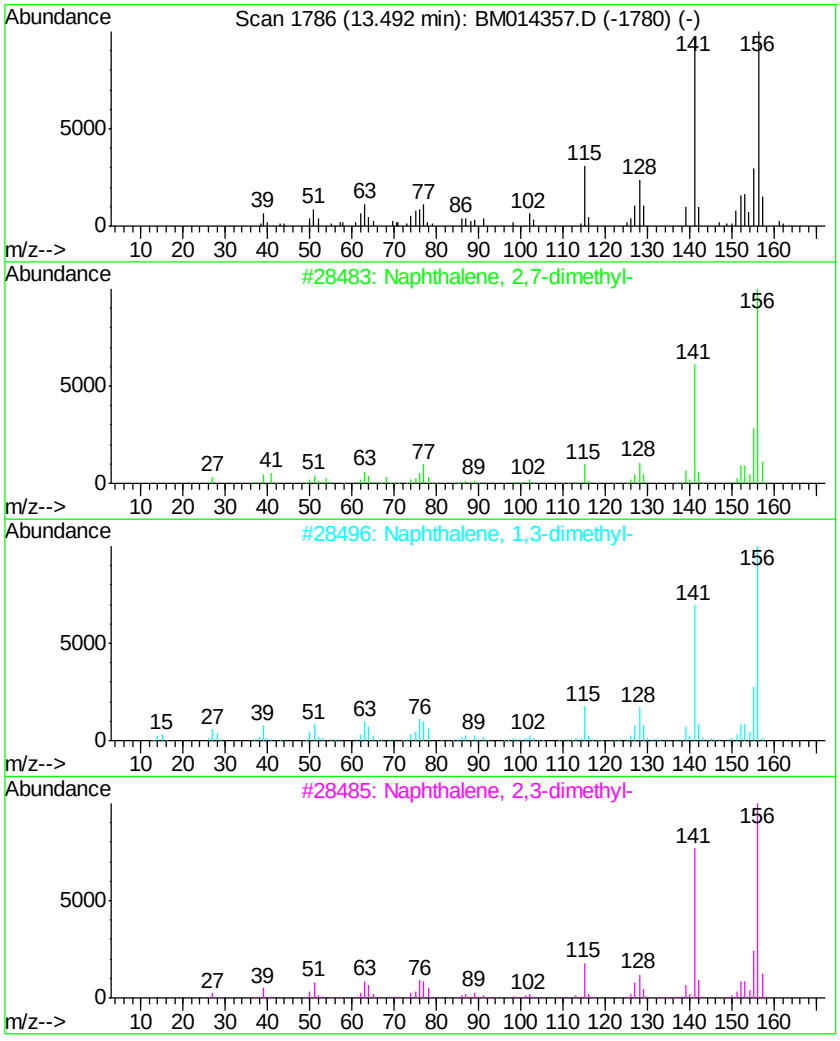
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

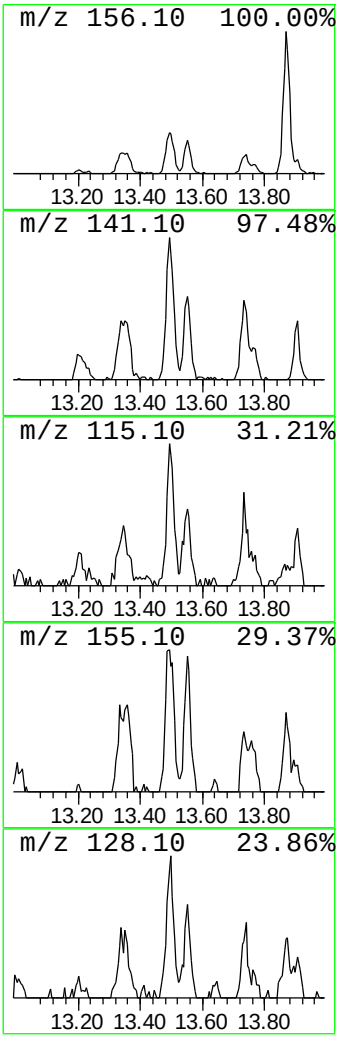
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.93 ng/ul	282422	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Library Search Compound Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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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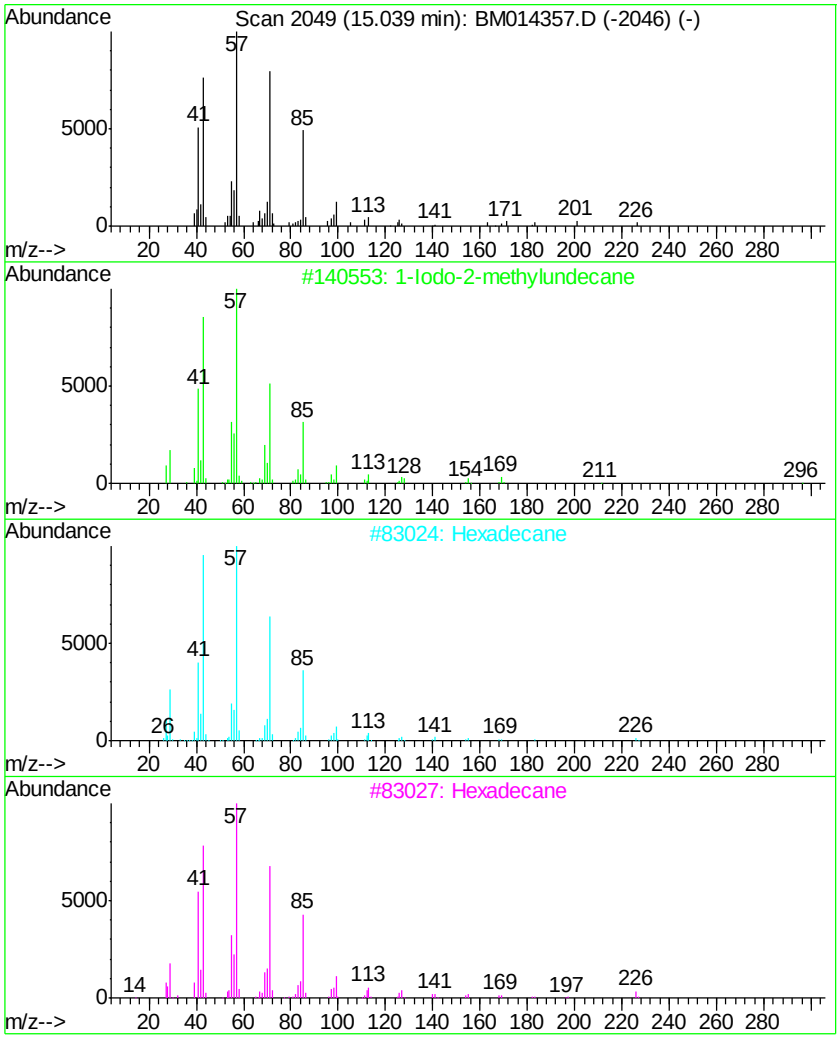
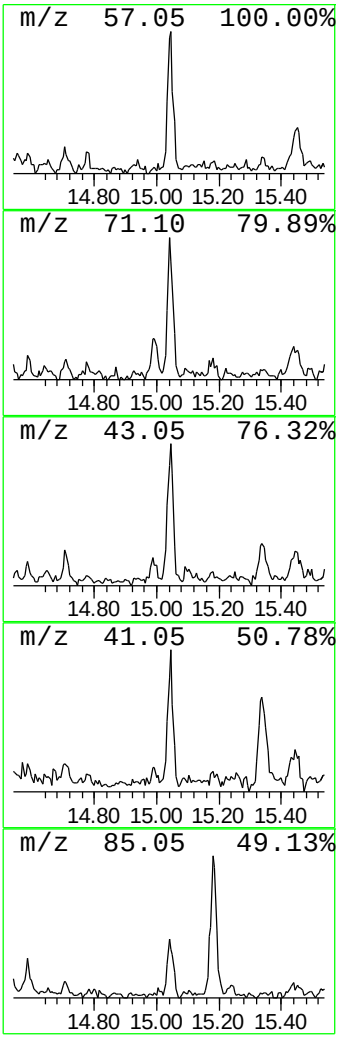
Peak Number 4 1-Iodo-2-methylundecane Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	2.09 ng/ul	201742	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	80
2	Hexadecane	226	C16H34	000544-76-3	72
3	Hexadecane	226	C16H34	000544-76-3	72
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	72
5	Nonane, 5-(1-methylpropyl)-	184	C13H28	062185-54-0	64





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Data File : BM014357.D
Acq On : 26 Feb 2018 15:35
Operator : SJ/JU
Sample : J1646-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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

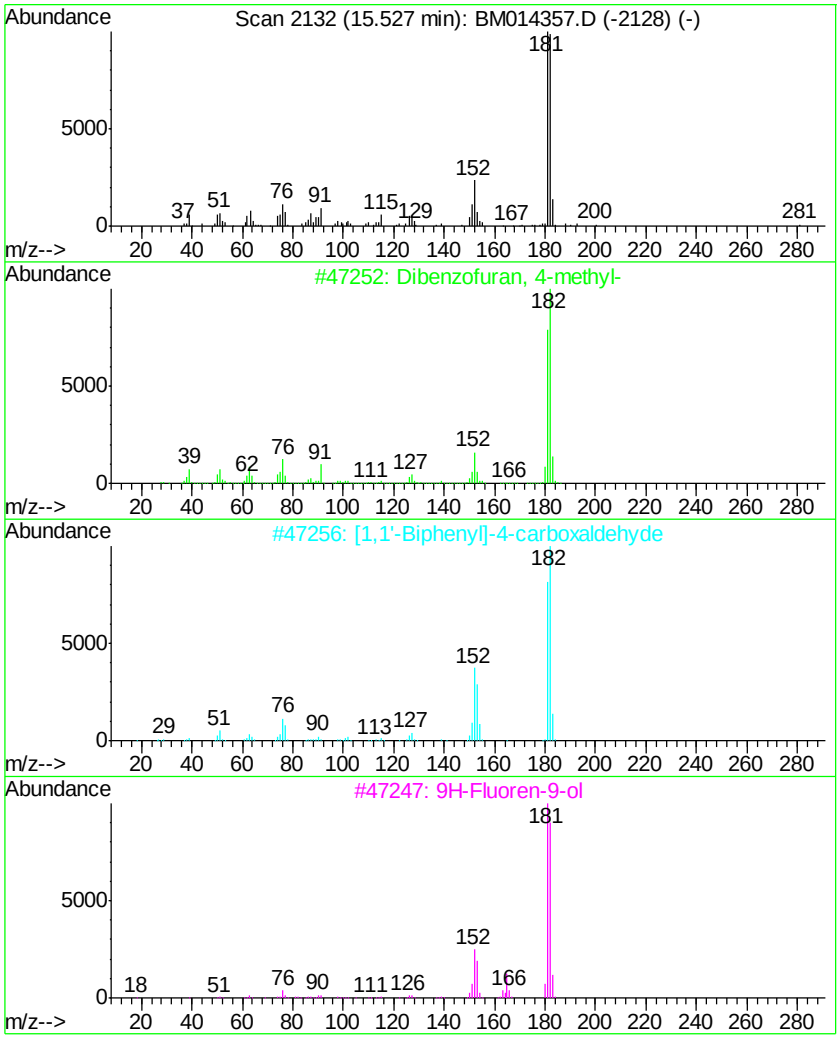
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

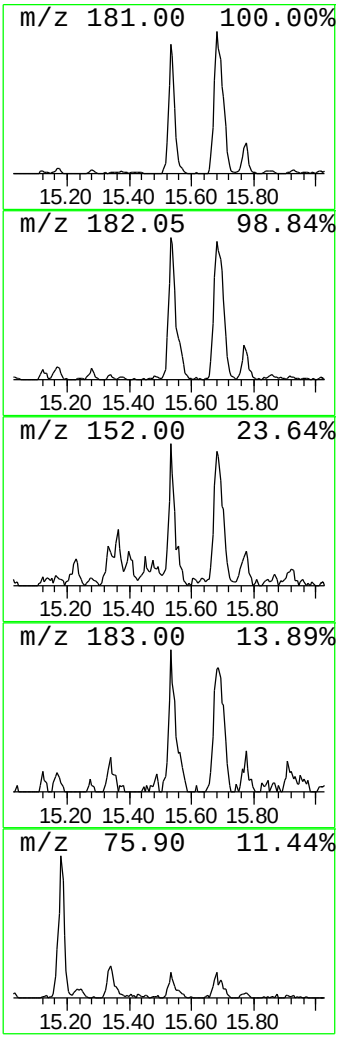
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	5.27 ng/ul	508231	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86





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Sample : J1646-10
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Instrument : BNA_M
ClientSampleId : BE5X4

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Quant Title : SVOA CALIBRATION

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

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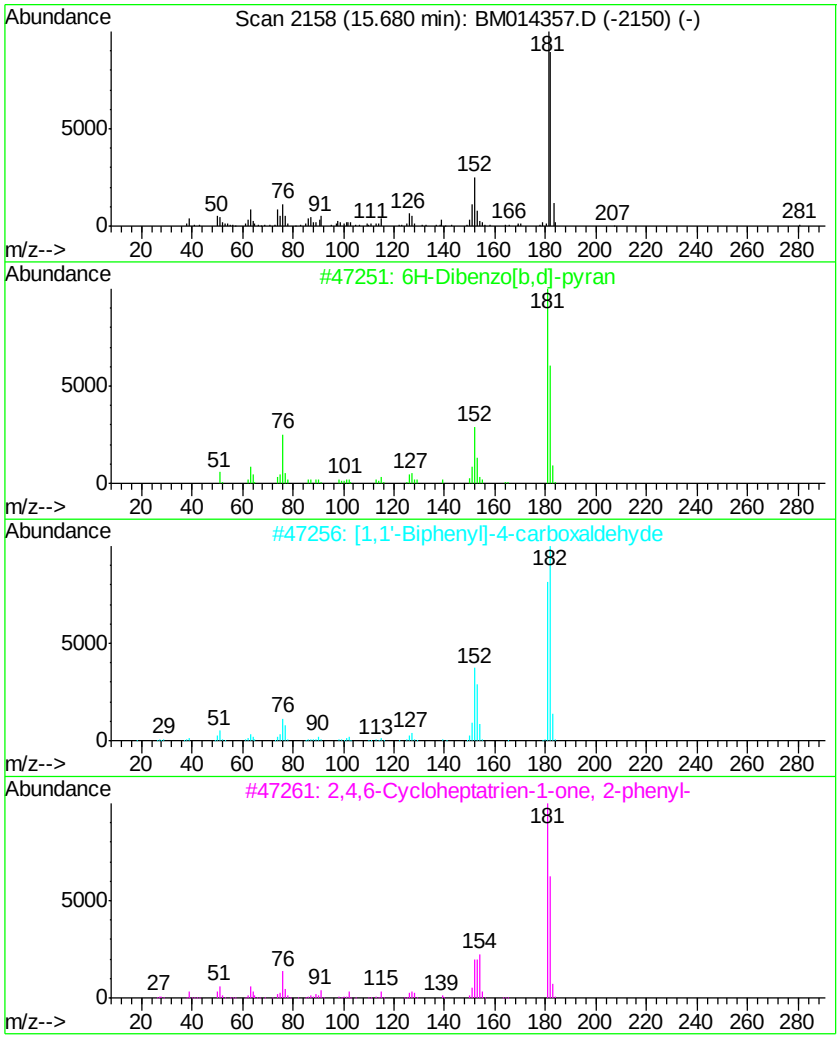
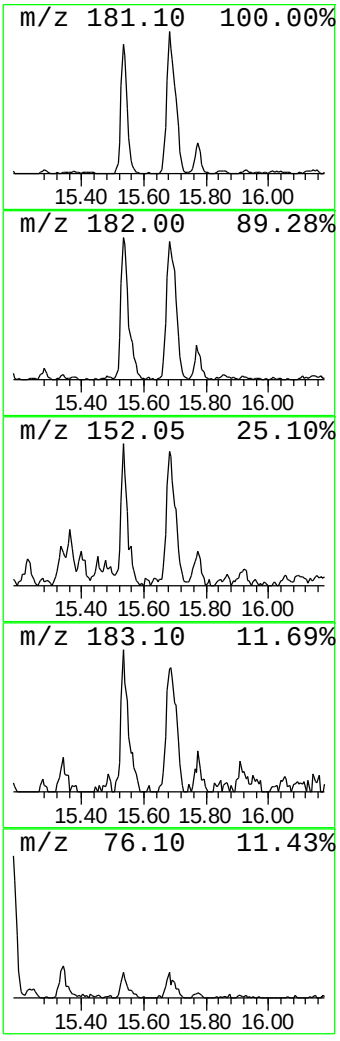
Peak Number 6 6H-Dibenzo[b,d]-pyran Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	5.33 ng/ul	563746	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	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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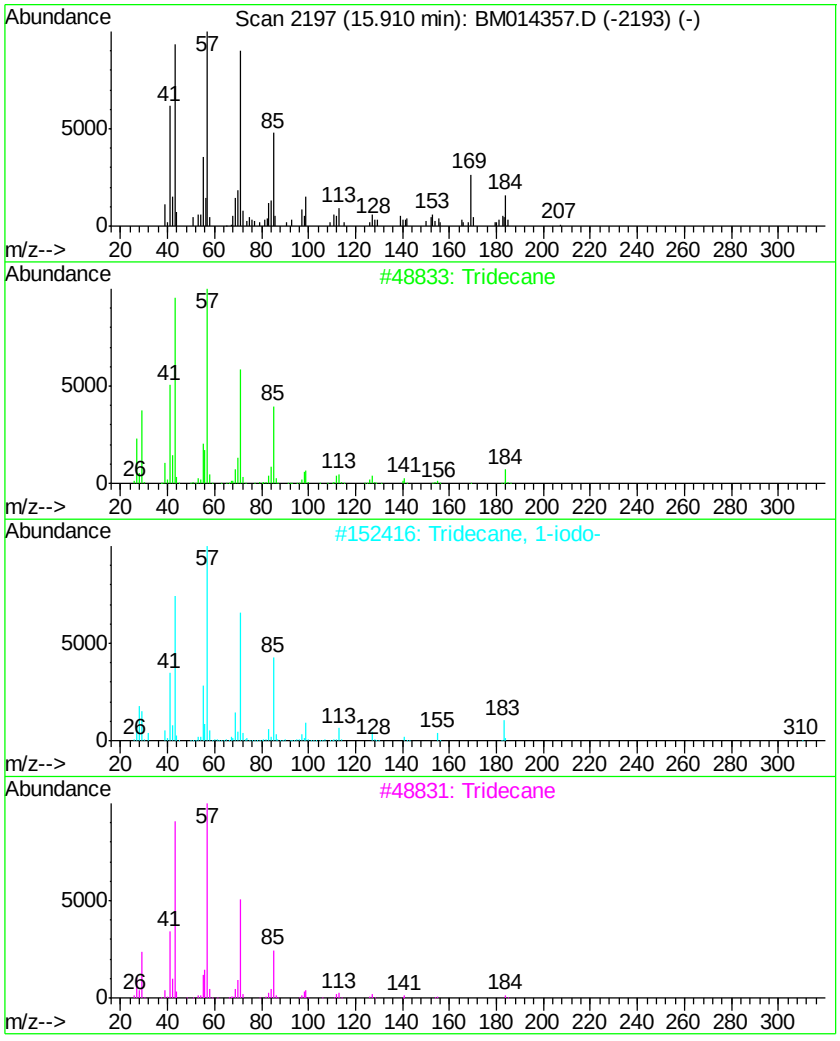
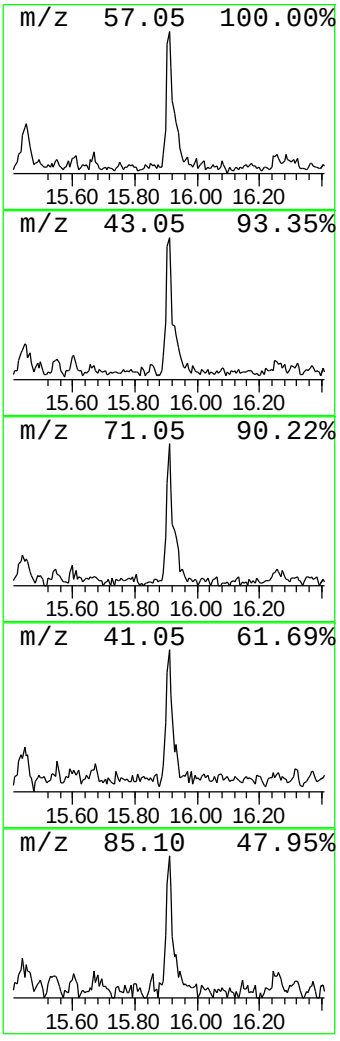
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	2.38 ng/ul	252204	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	76
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	74
3	Tridecane	184	C13H28	000629-50-5	74
4	Dodecane	170	C12H26	000112-40-3	74
5	Hexadecane	226	C16H34	000544-76-3	74





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Quant Title : SVOA CALIBRATION

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

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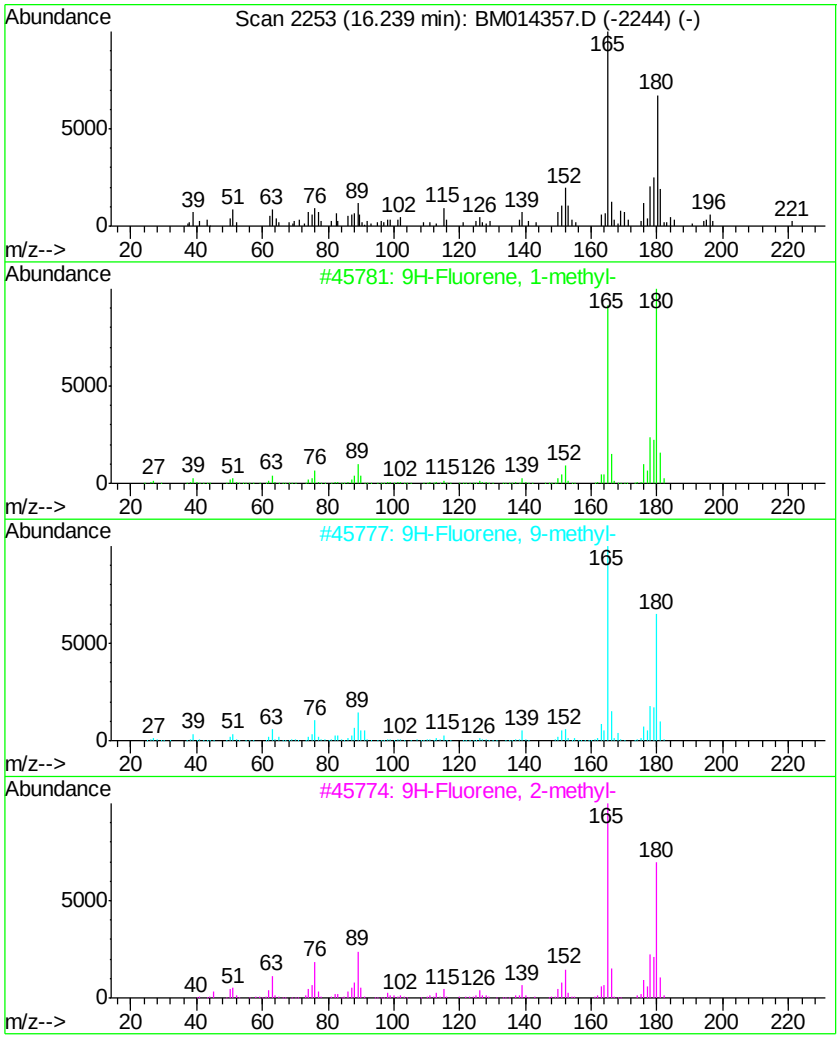
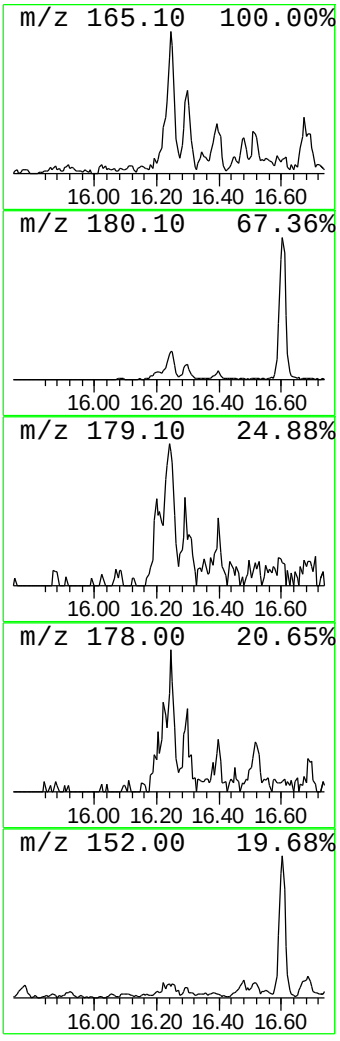
Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	3.50 ng/ul	370549	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93





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Quant Title : SVOA CALIBRATION

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

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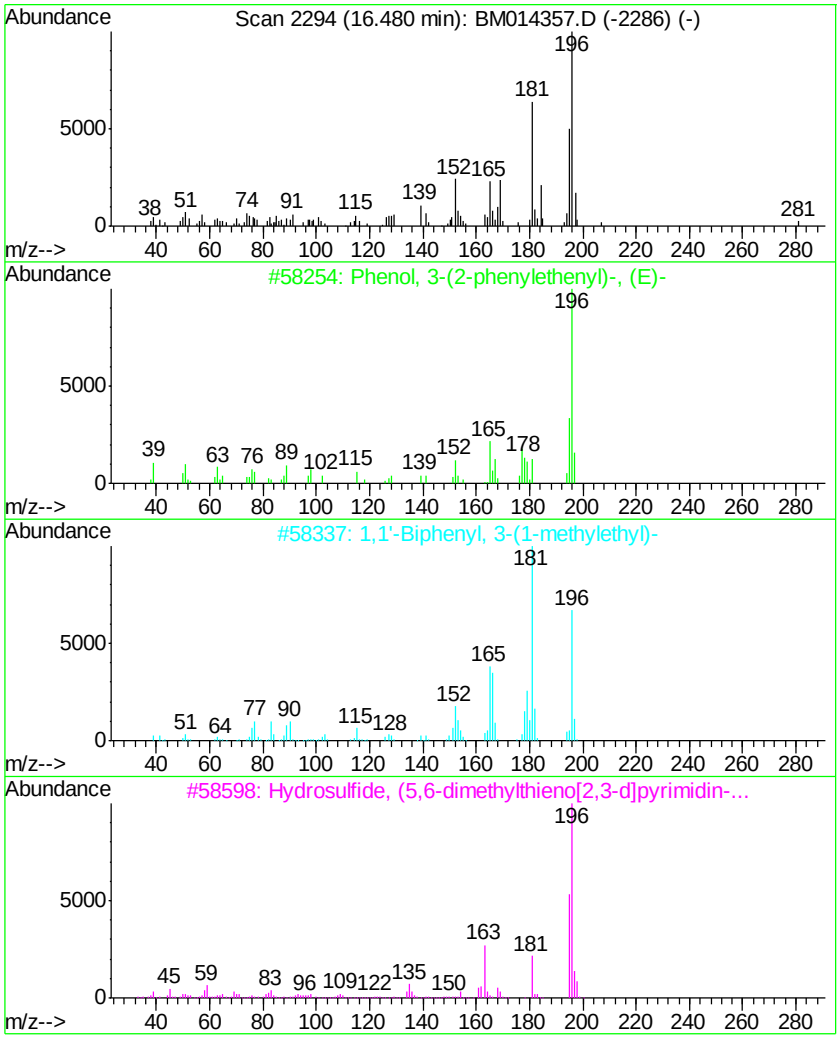
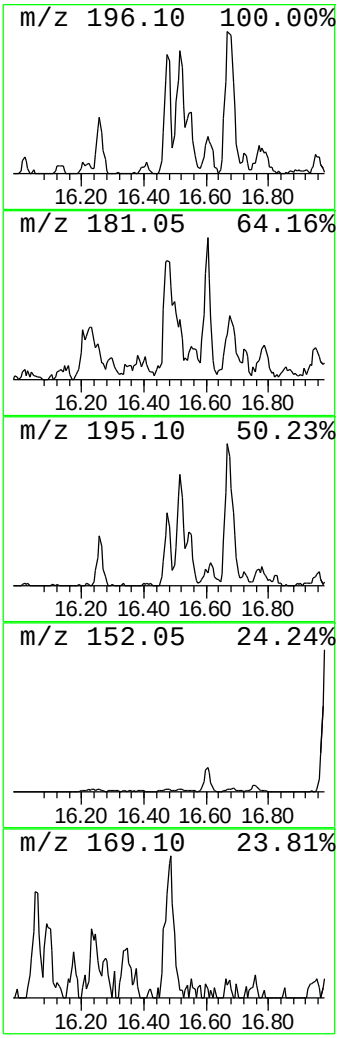
Peak Number 9 Phenol, 3-(2-phenylethenyl)... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	2.22 ng/ul	235446	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	58
2	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	49
3	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	47
4	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	46
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46





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Quant Title : SVOA CALIBRATION

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

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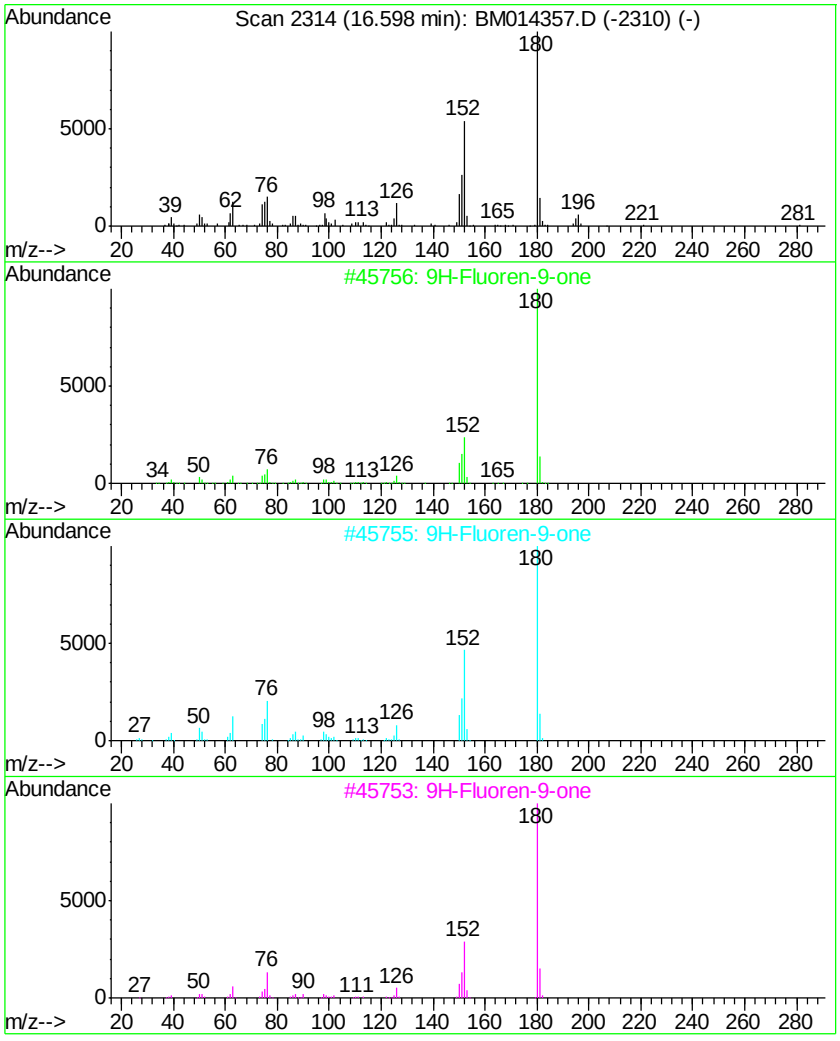
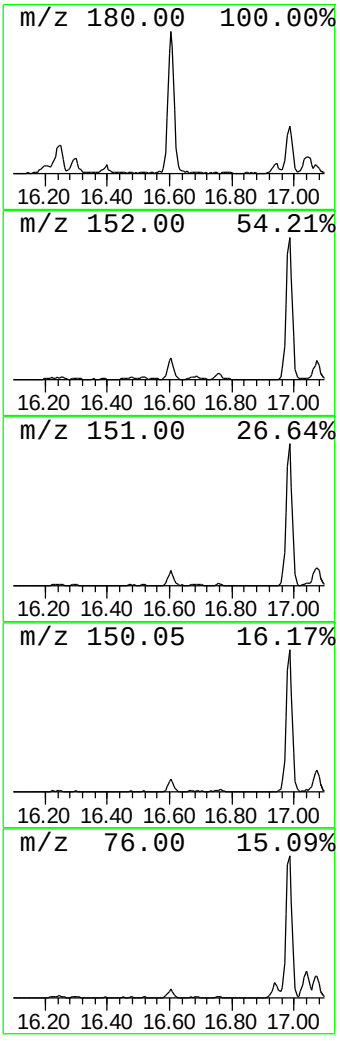
Peak Number 10 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	4.83 ng/ul	511189	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87





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Quant Title : SVOA CALIBRATION

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

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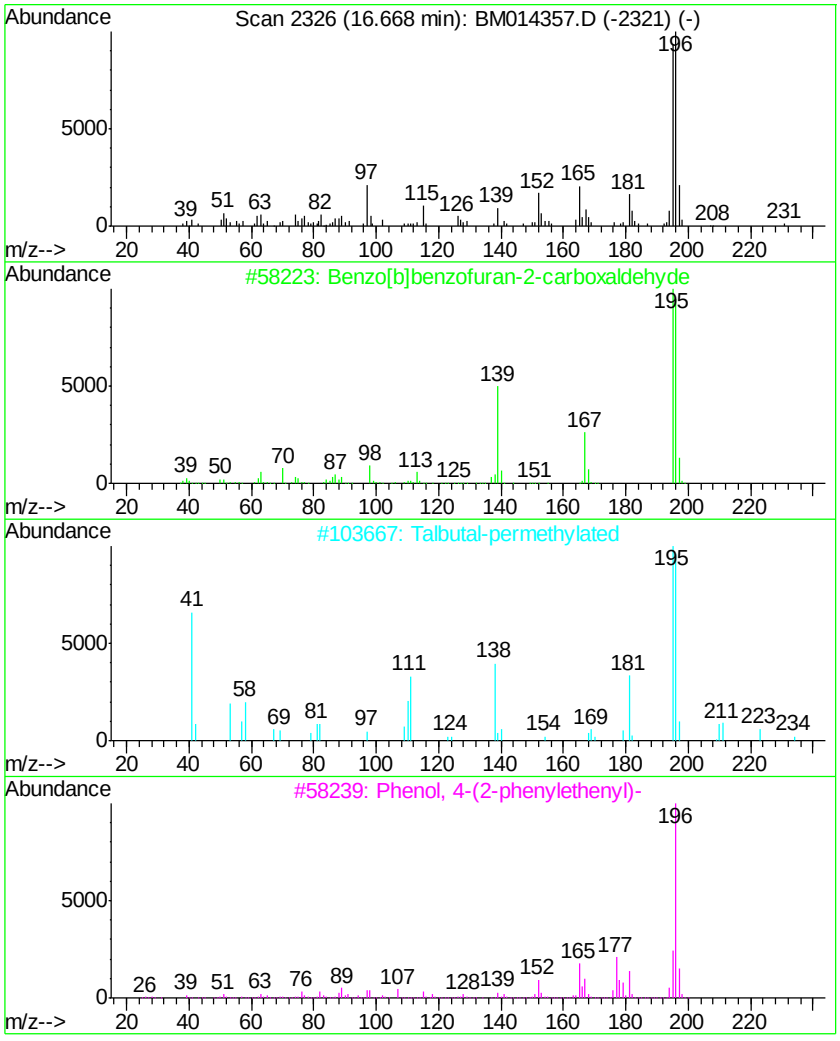
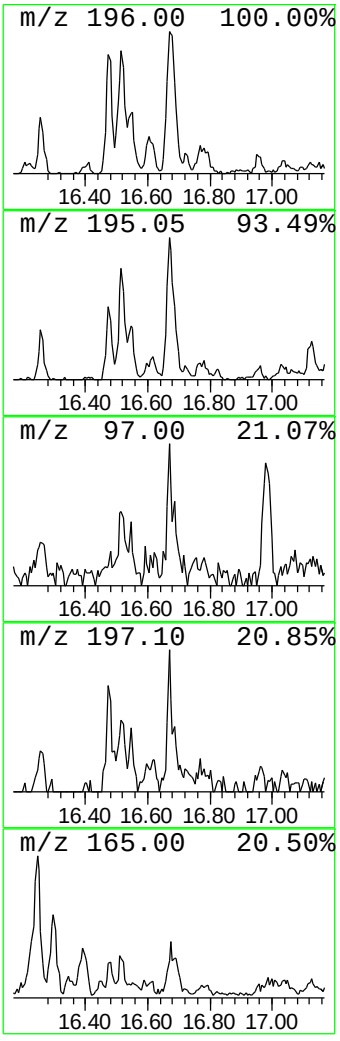
Peak Number 11 Benzo[b]benzofuran-2-carbox... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	2.02 ng/ul	214099	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	64
2	Talbutal-permethylated	252	C13H20N2O3	1000121-00-0	59
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	53
4	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	53
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50





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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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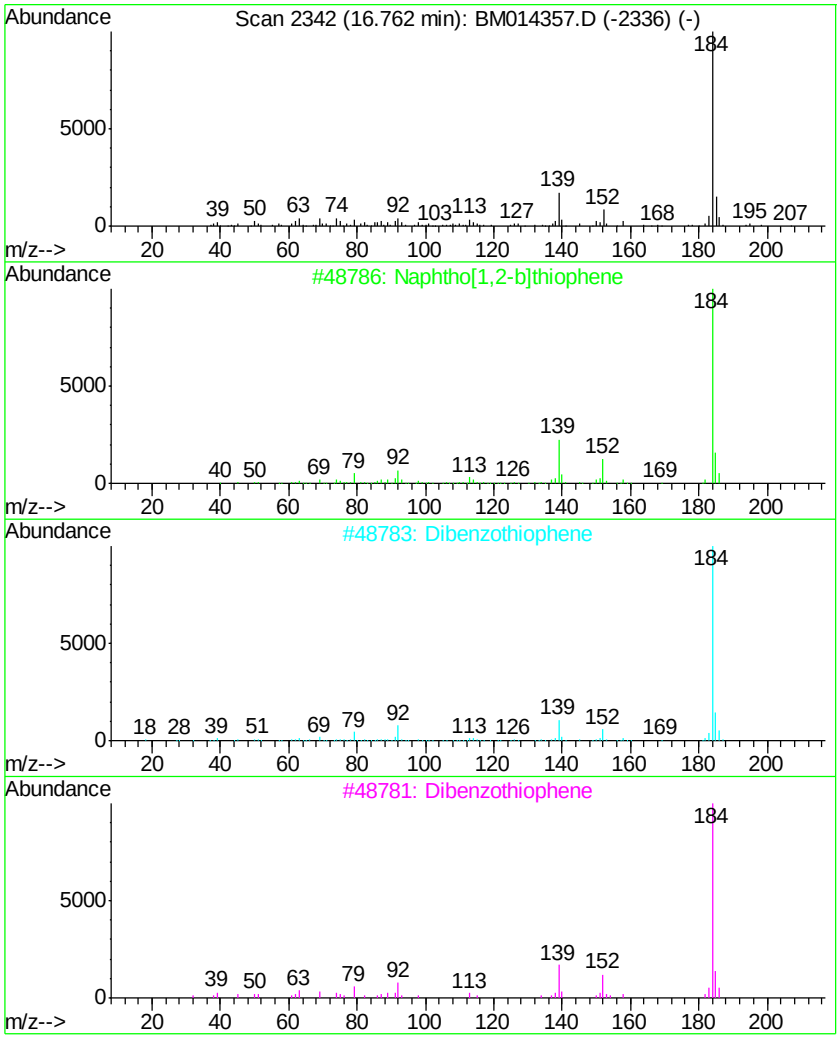
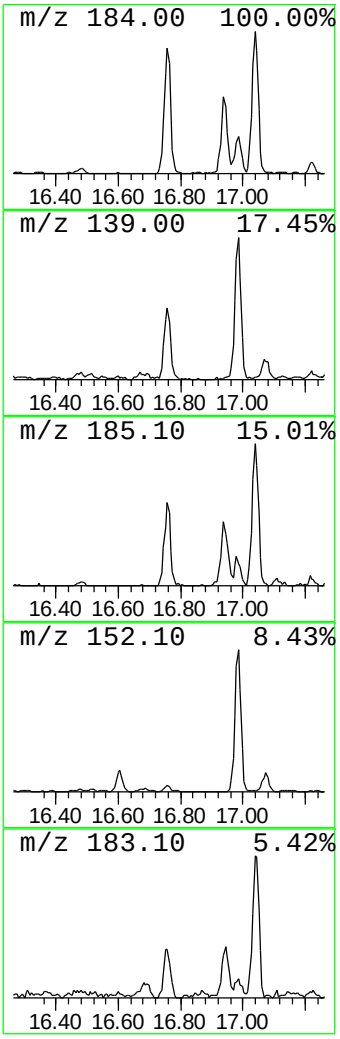
Peak Number 12 Naphtho[1,2-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	5.68 ng/ul	601765	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93





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

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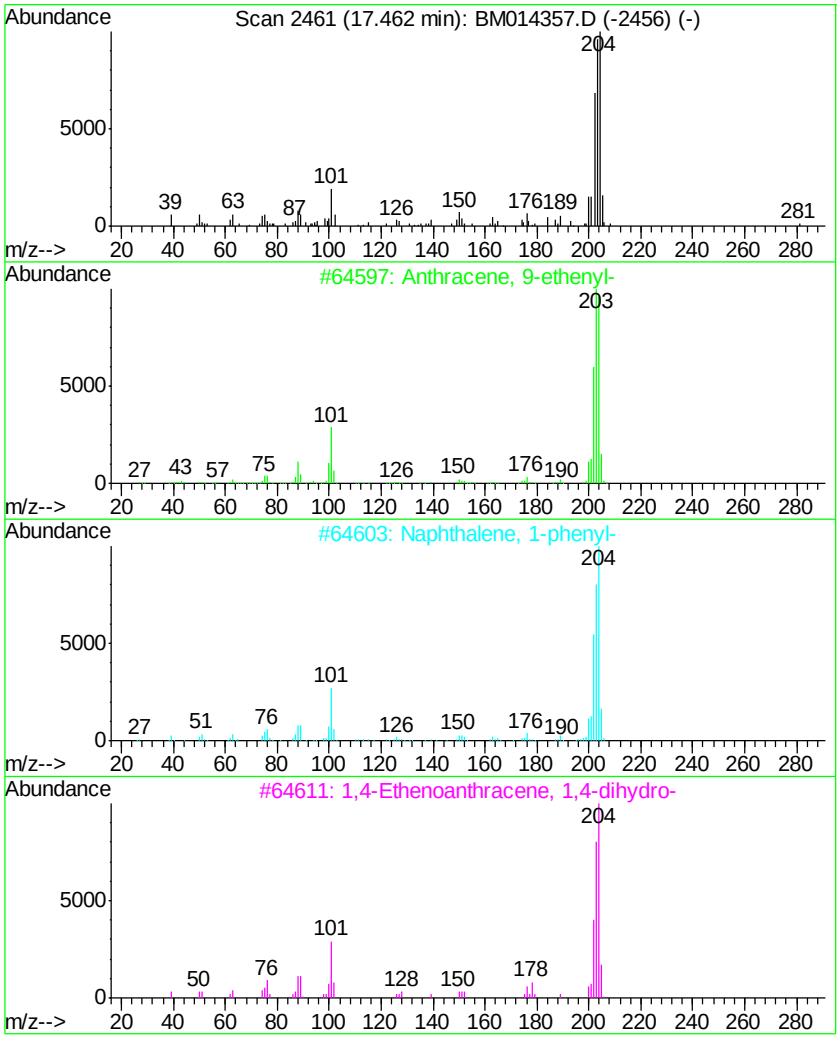
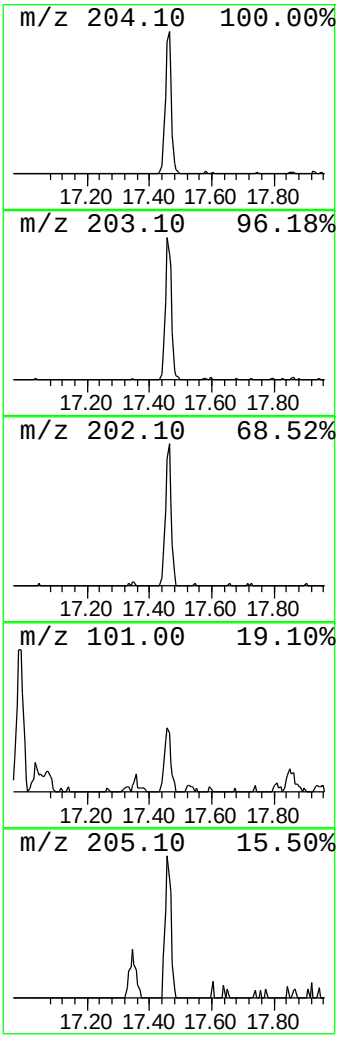
Peak Number 13 Anthracene, 9-ethenyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	2.76 ng/ul	292512	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	89
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	76
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	76
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	76





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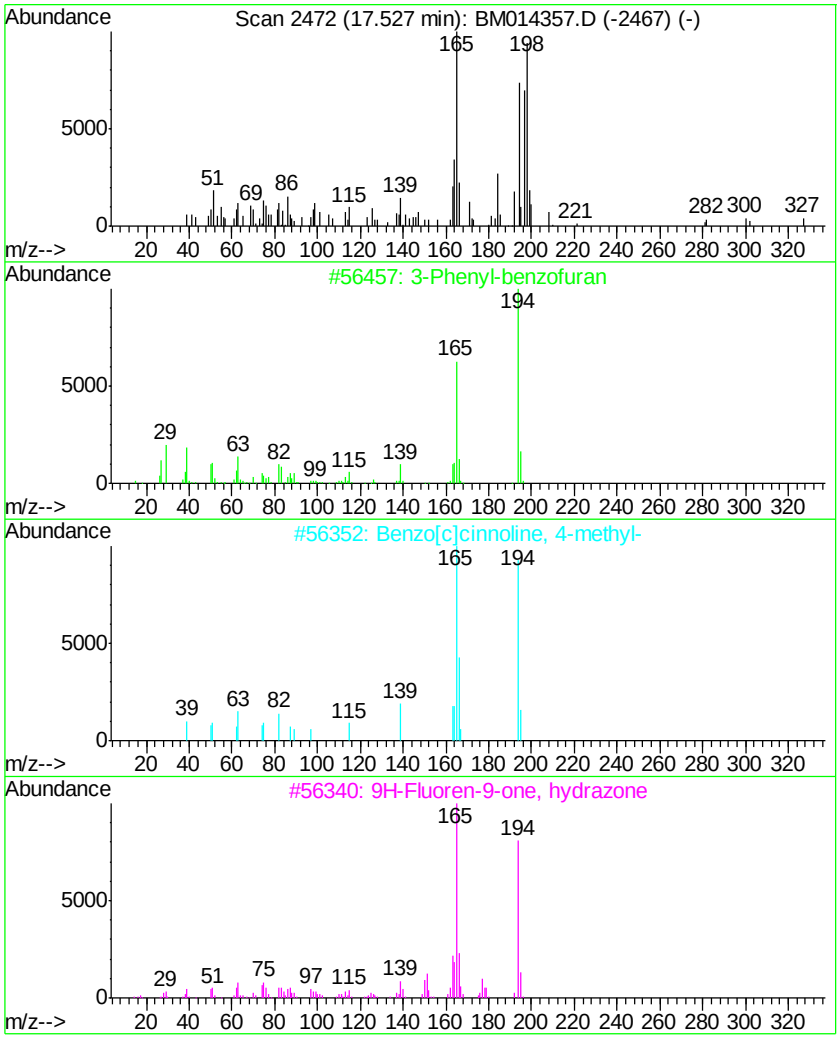
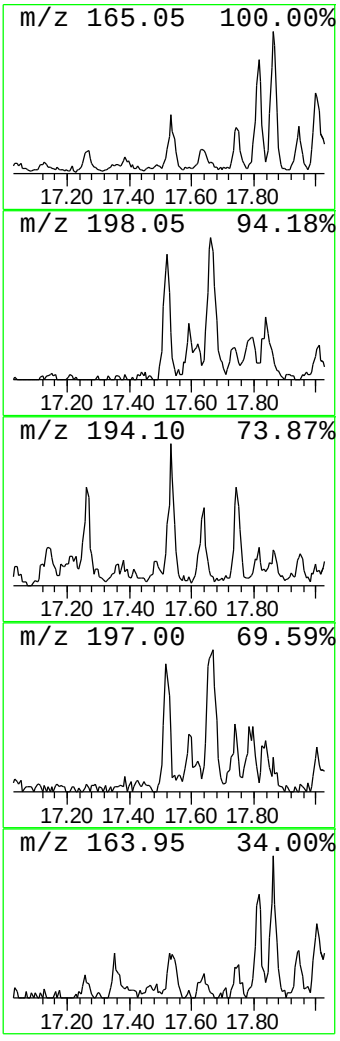
Peak Number 14 3-Phenyl-benzofuran Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	2.42 ng/ul	255961	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenyl-benzofuran	194	C14H10O	029909-72-6	64
2	Benzo[c]cinnoline, 4-methyl-	194	C13H10N2	019174-78-8	60
3	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	58
4	2,9b-Dihydrofurano[4,3,2-jk]fluo...	194	C14H10O	204396-15-6	55
5	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	50





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

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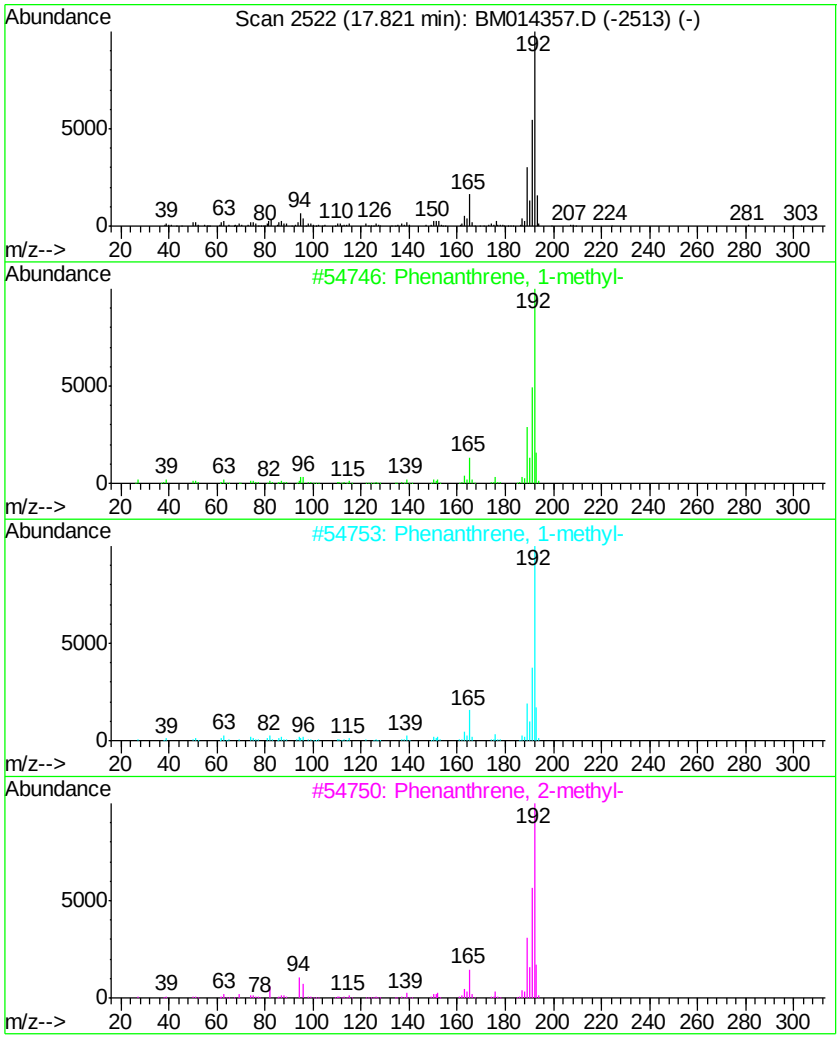
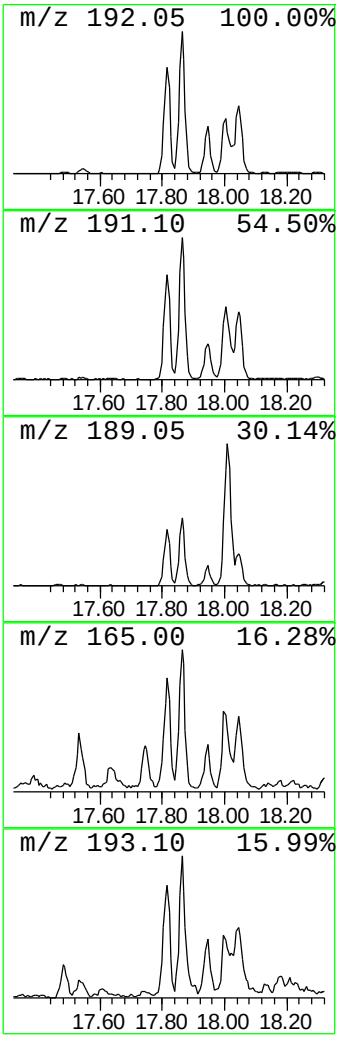
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	9.42 ng/ul	997177	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, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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TIC Integration Parameters: LSCINT.P

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Peak Number 16 Anthracene, 9-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	14.85 ng/ul	1572280	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
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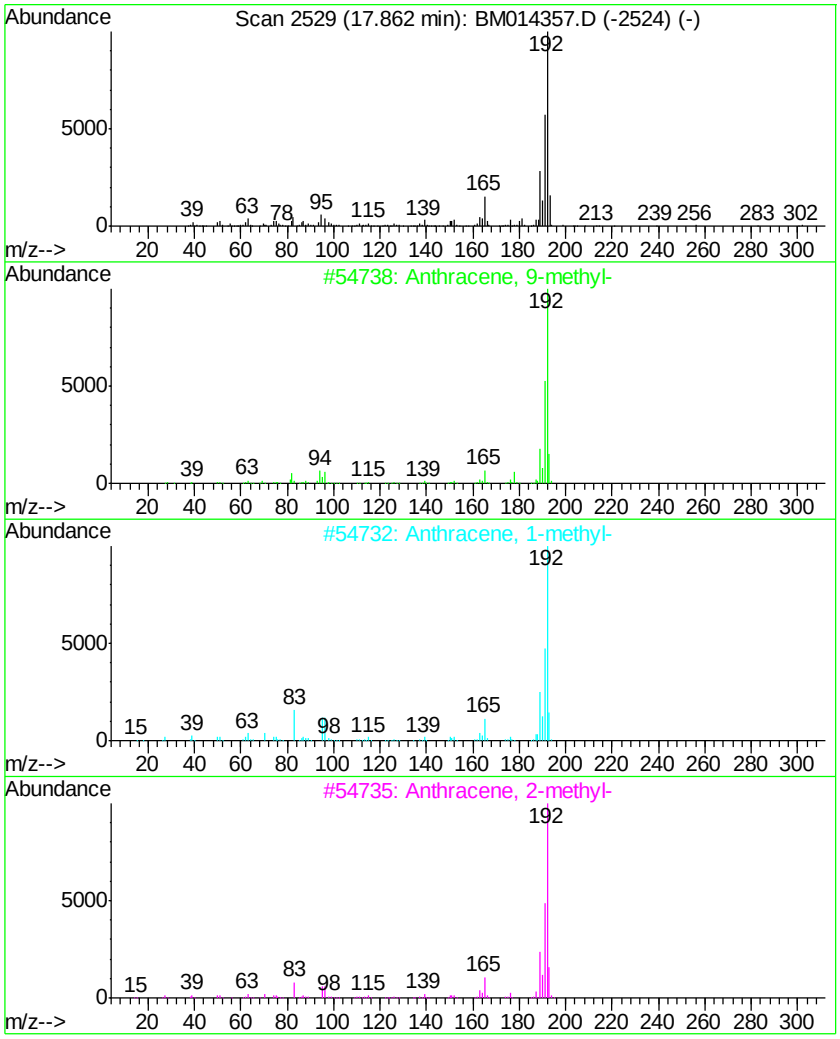

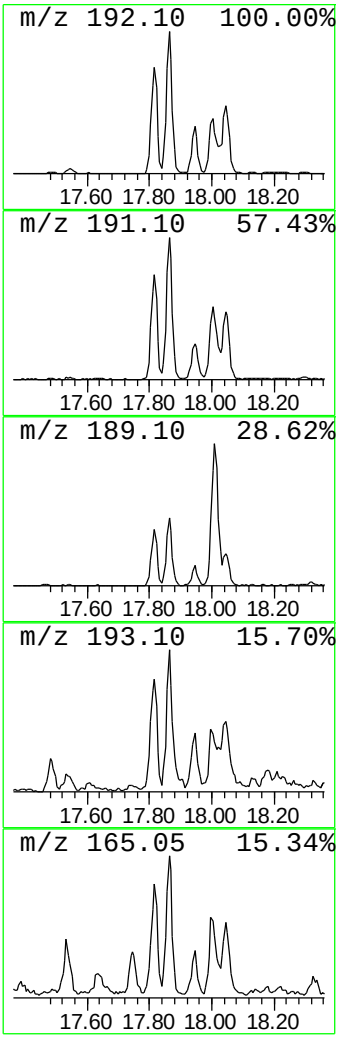

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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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Quant Title : SVOA CALIBRATION

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

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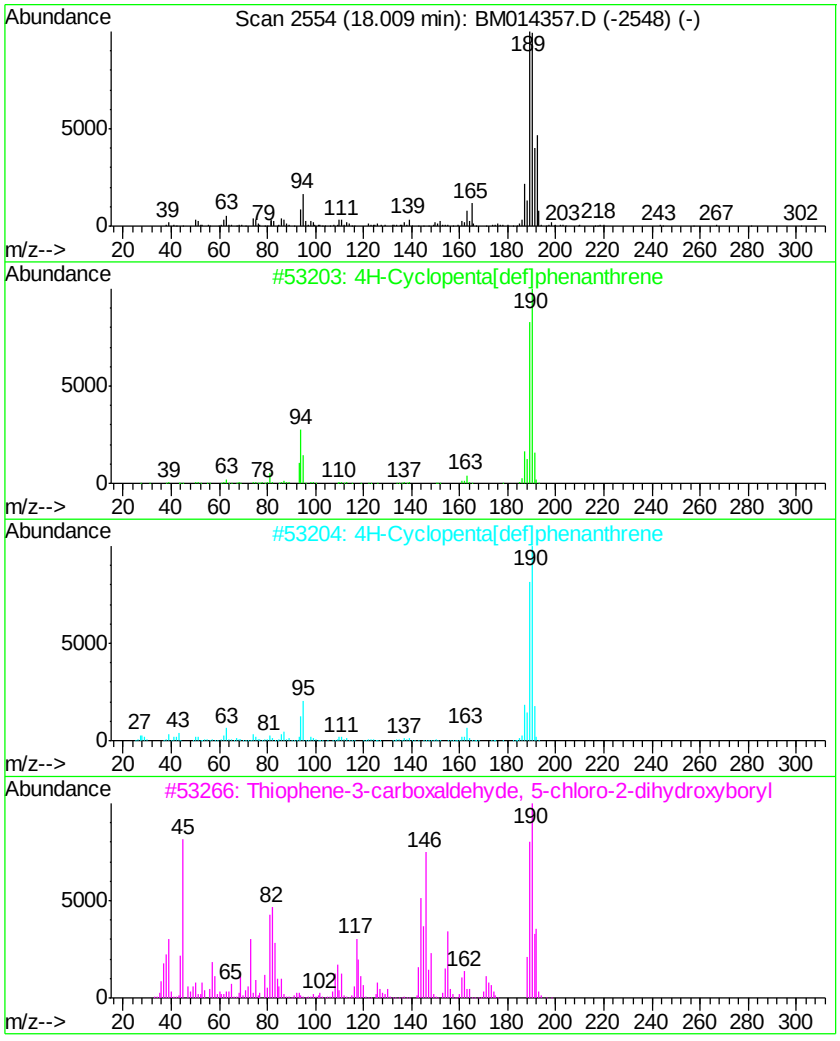
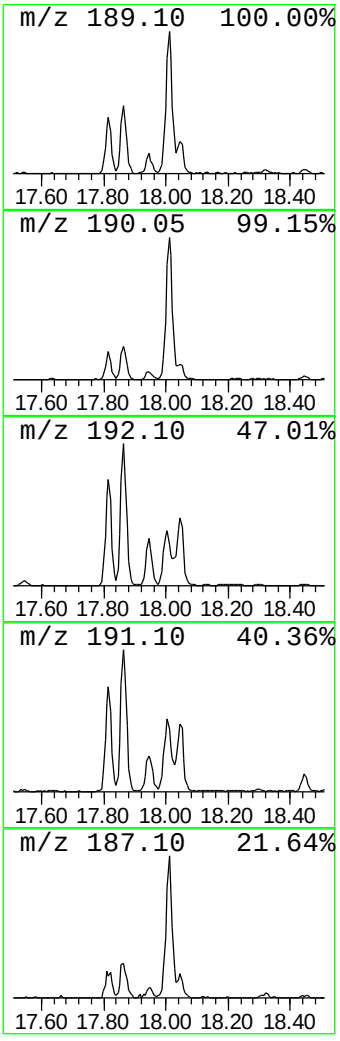
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	13.49 ng/ul	1427680	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





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Sample : J1646-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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Quant Title : SVOA CALIBRATION

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

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Peak Number 19 Phenanthrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	5.36 ng/ul	567801	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
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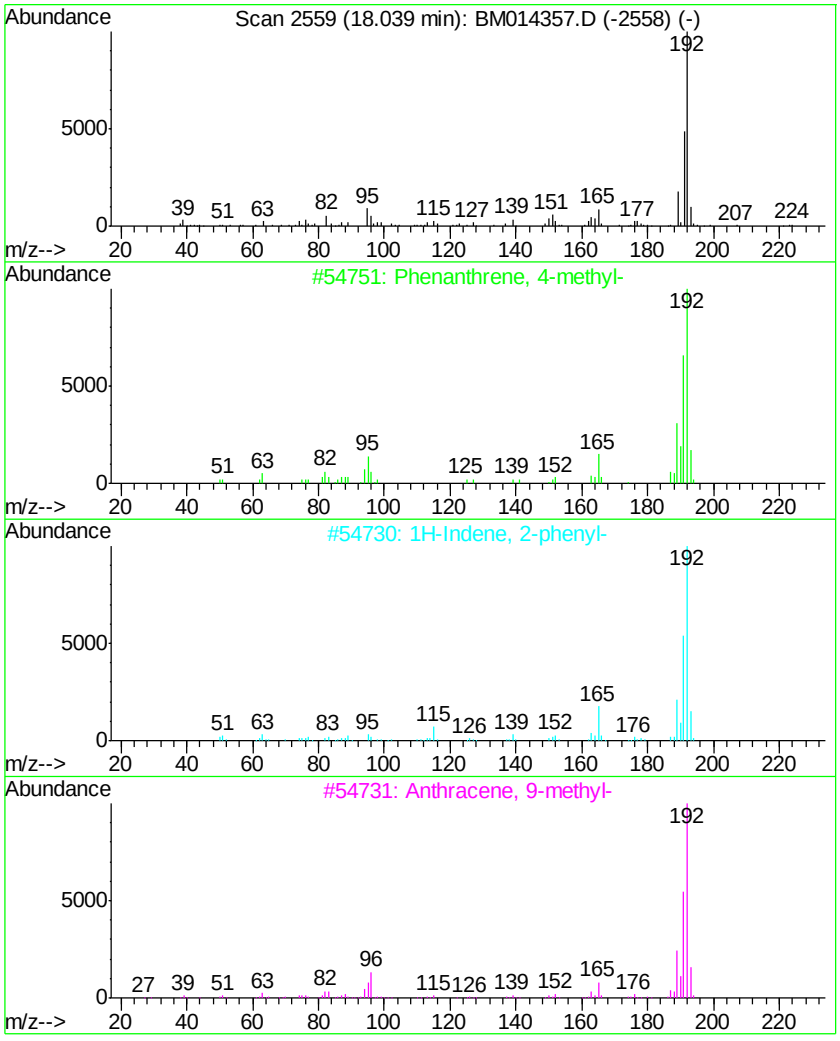

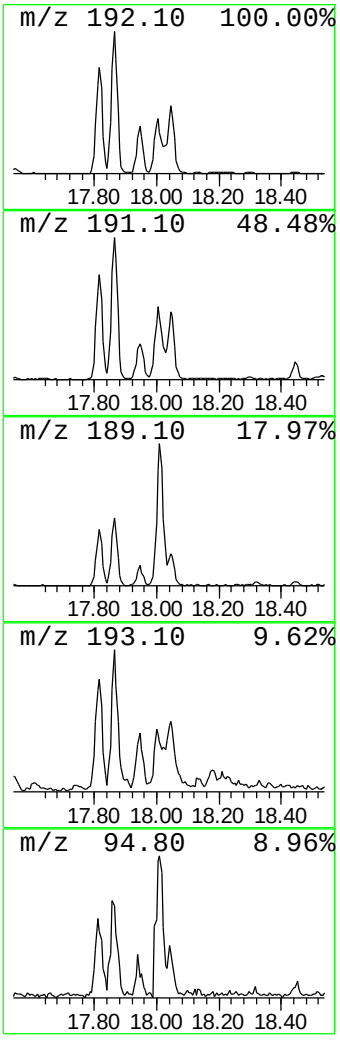

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Quant Title : SVOA CALIBRATION

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

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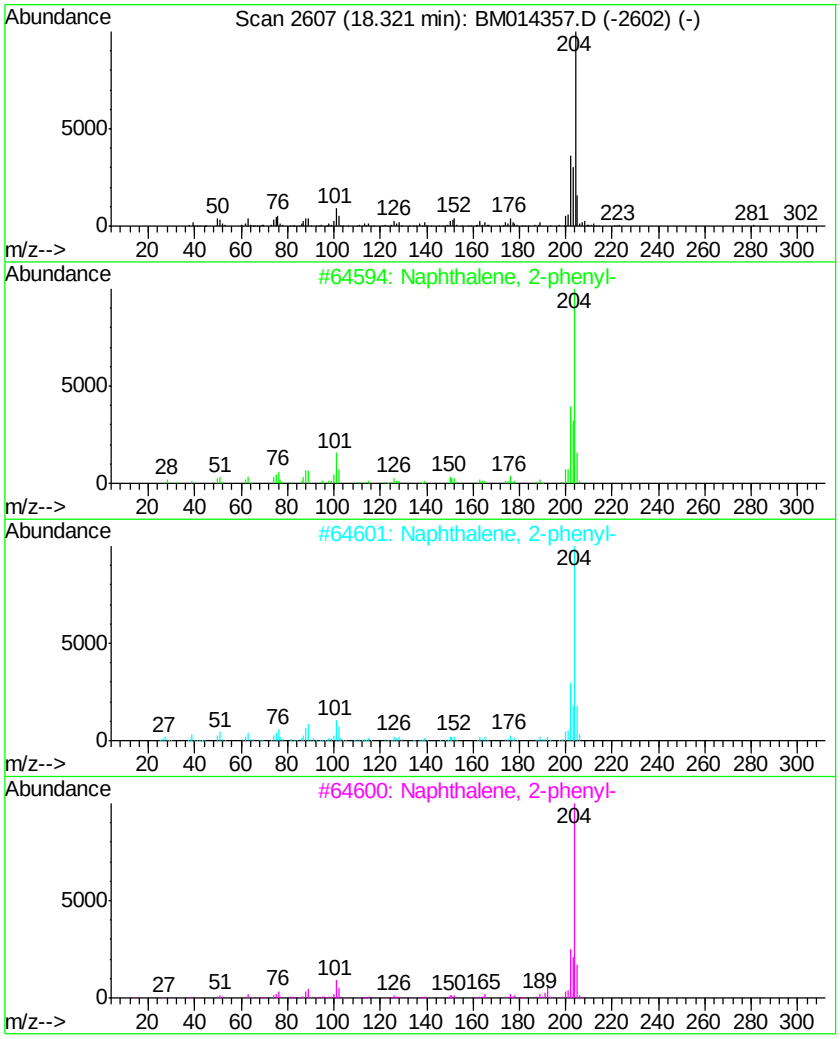
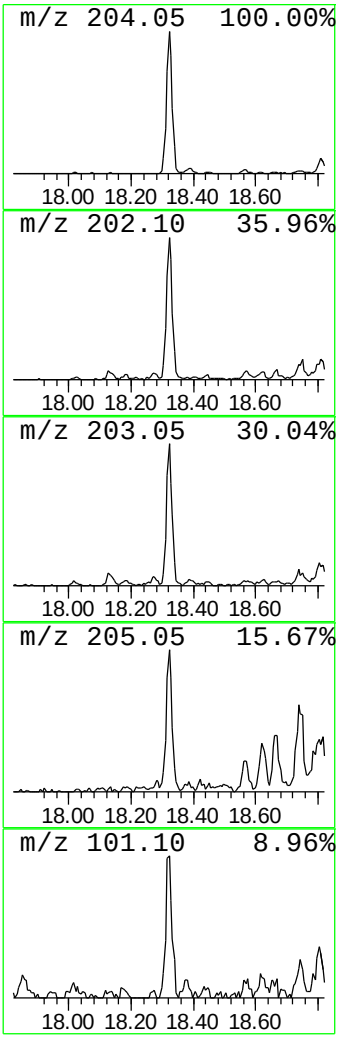
Peak Number 20 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	6.71 ng/ul	709985	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74





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ClientSampleId : BE5X4

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Quant Title : SVOA CALIBRATION

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

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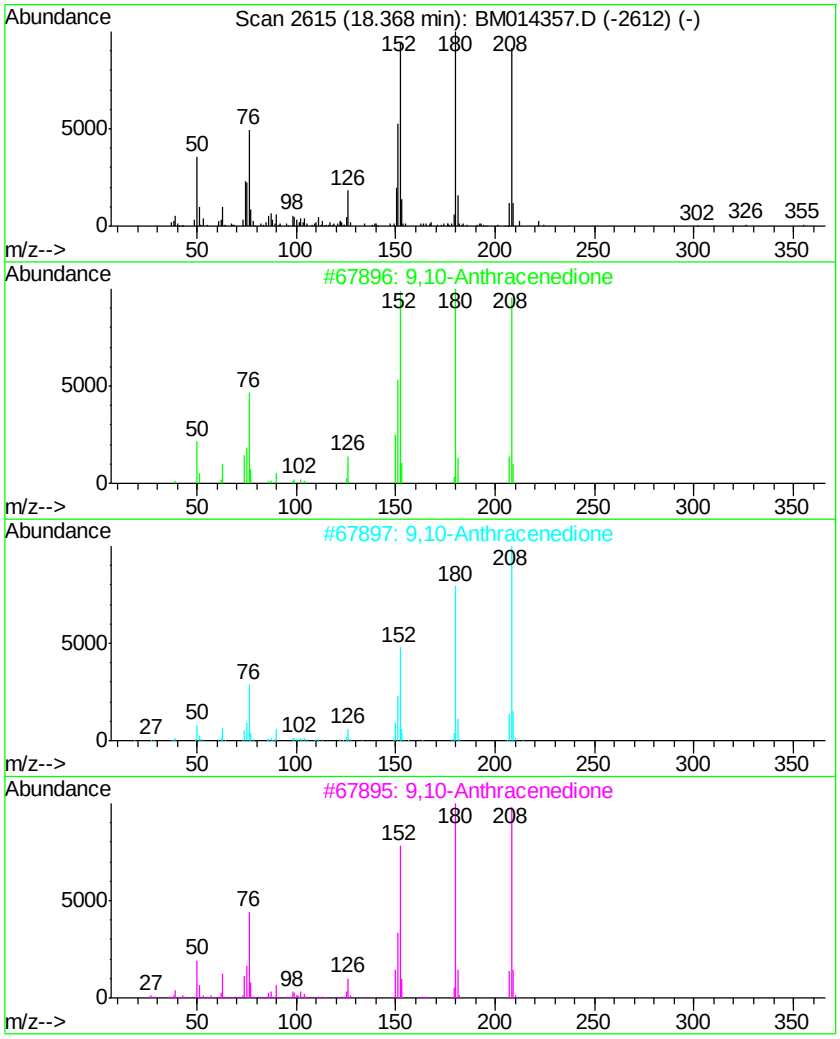
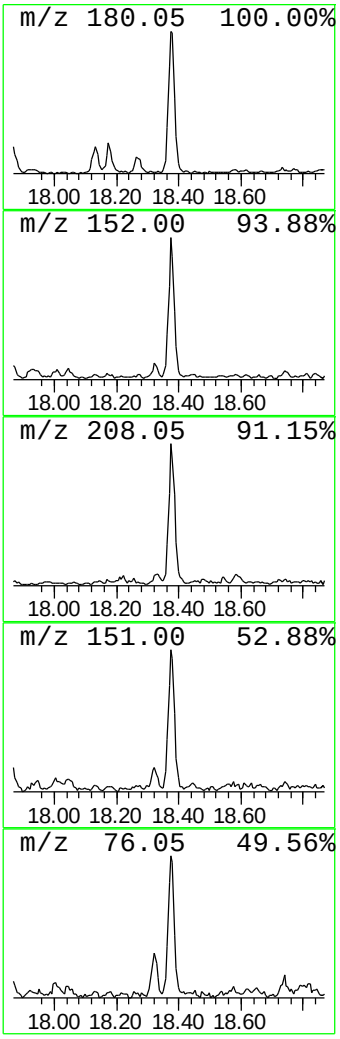
Peak Number 21 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	6.10 ng/ul	645943	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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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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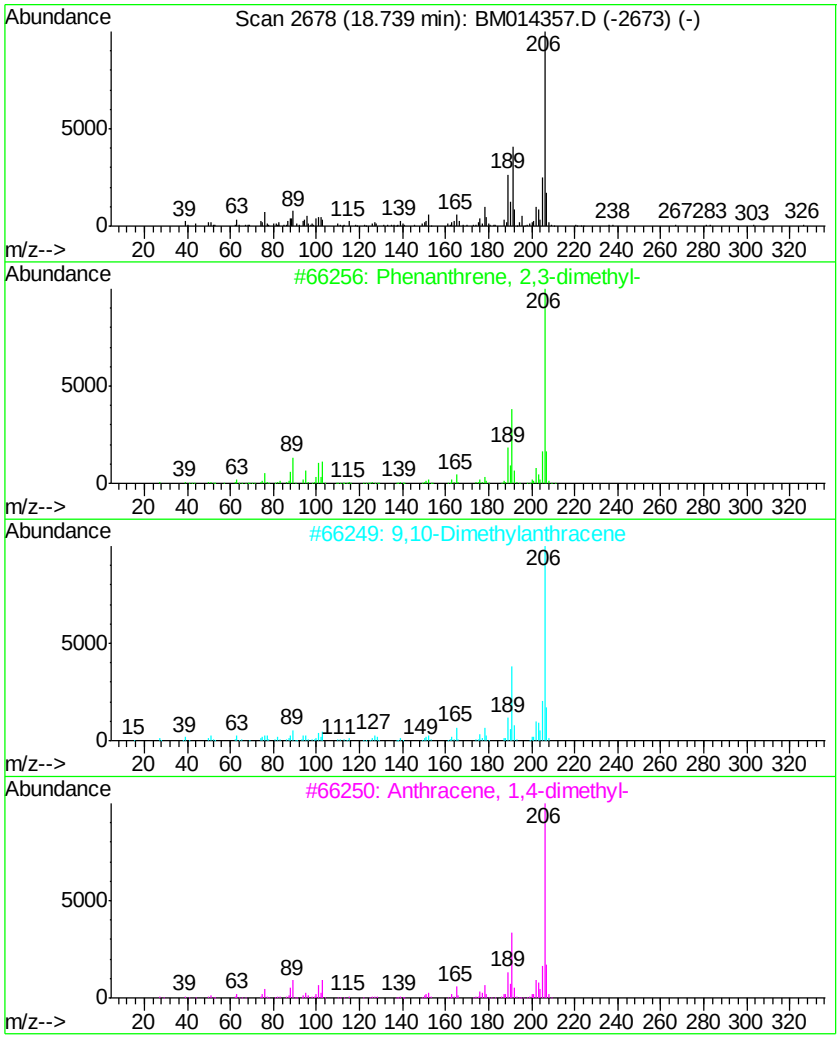
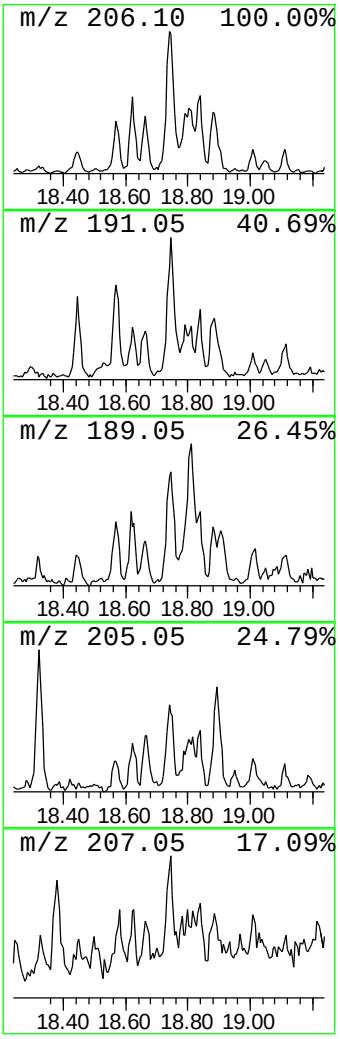
Peak Number 22 Phenanthrene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	4.29 ng/ul	453792	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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TIC Integration Parameters: LSCINT.P

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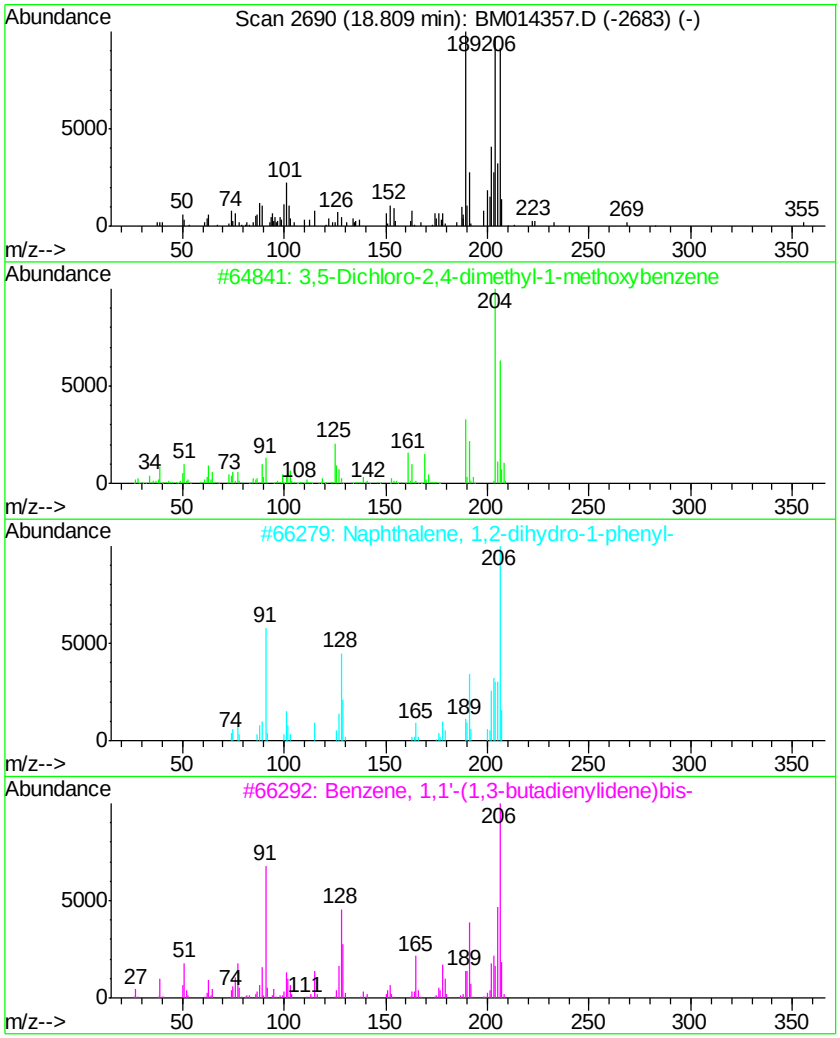
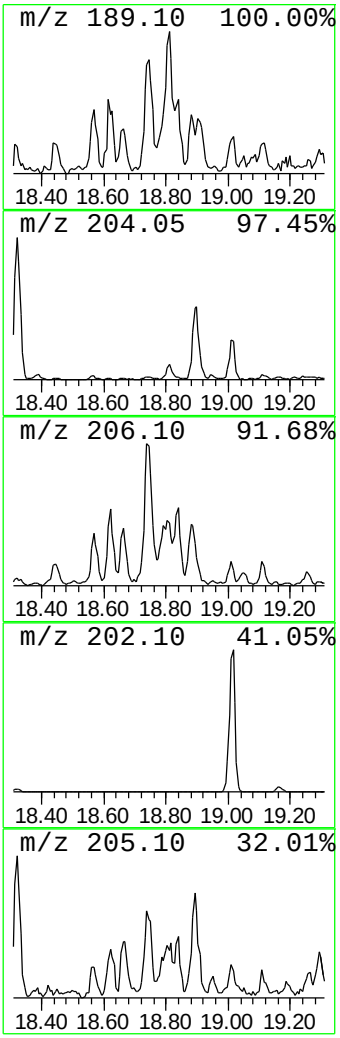
Peak Number 23 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	3.62 ng/ul	383009	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	46
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	42
3	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	35
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	25





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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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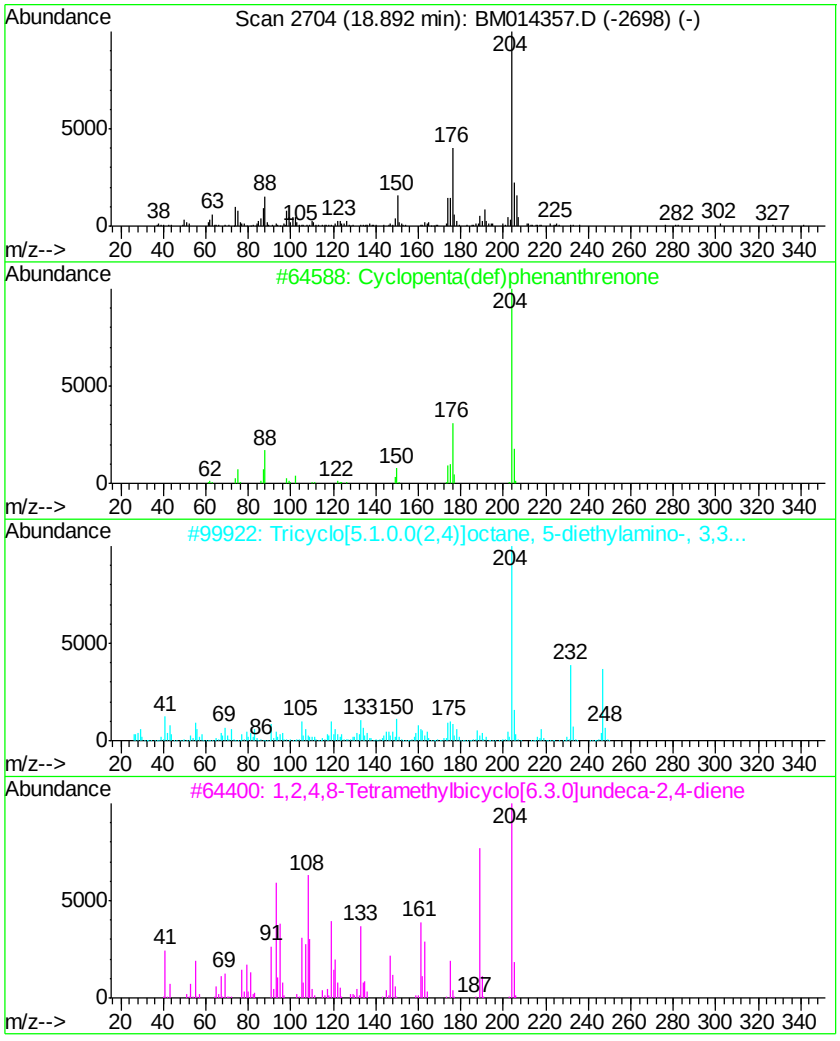
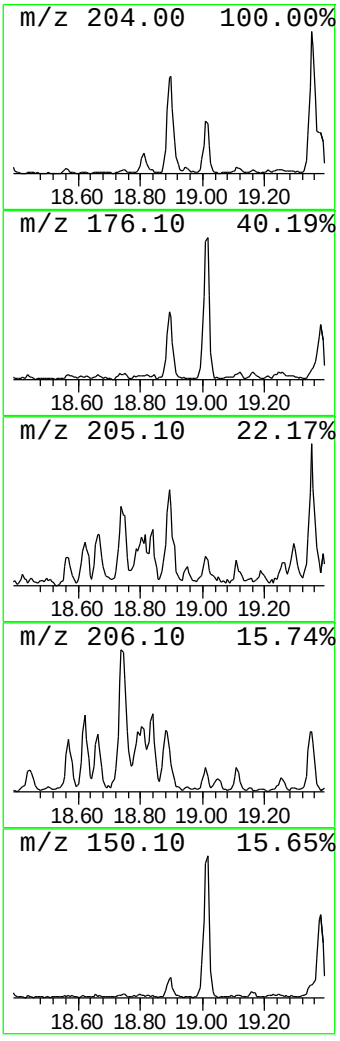
Peak Number 24 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	6.02 ng/ul	637696	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	47
5	Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	43





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Misc :
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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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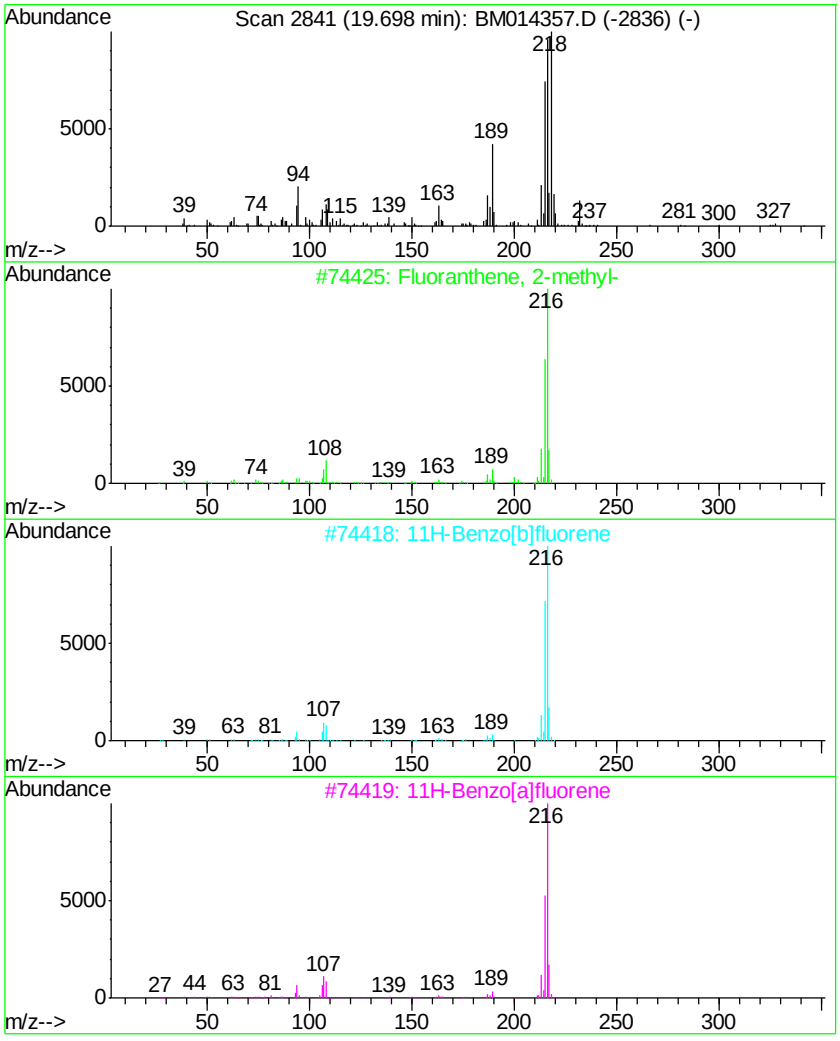
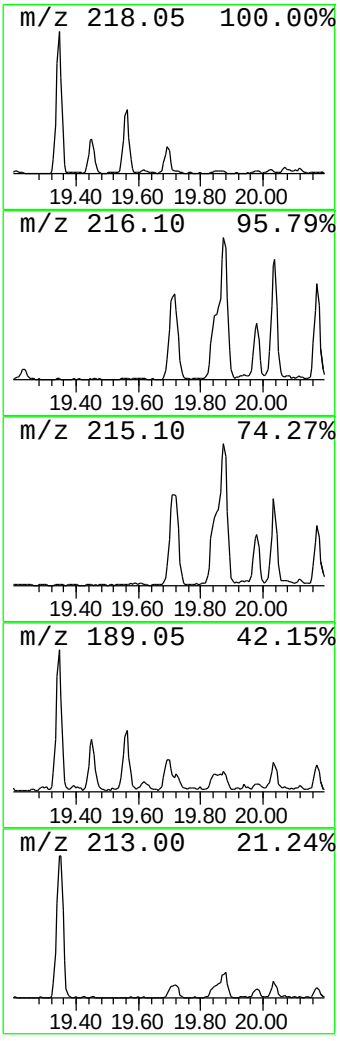
Peak Number 25 Fluoranthene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	2.95 ng/ul	814217	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80





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

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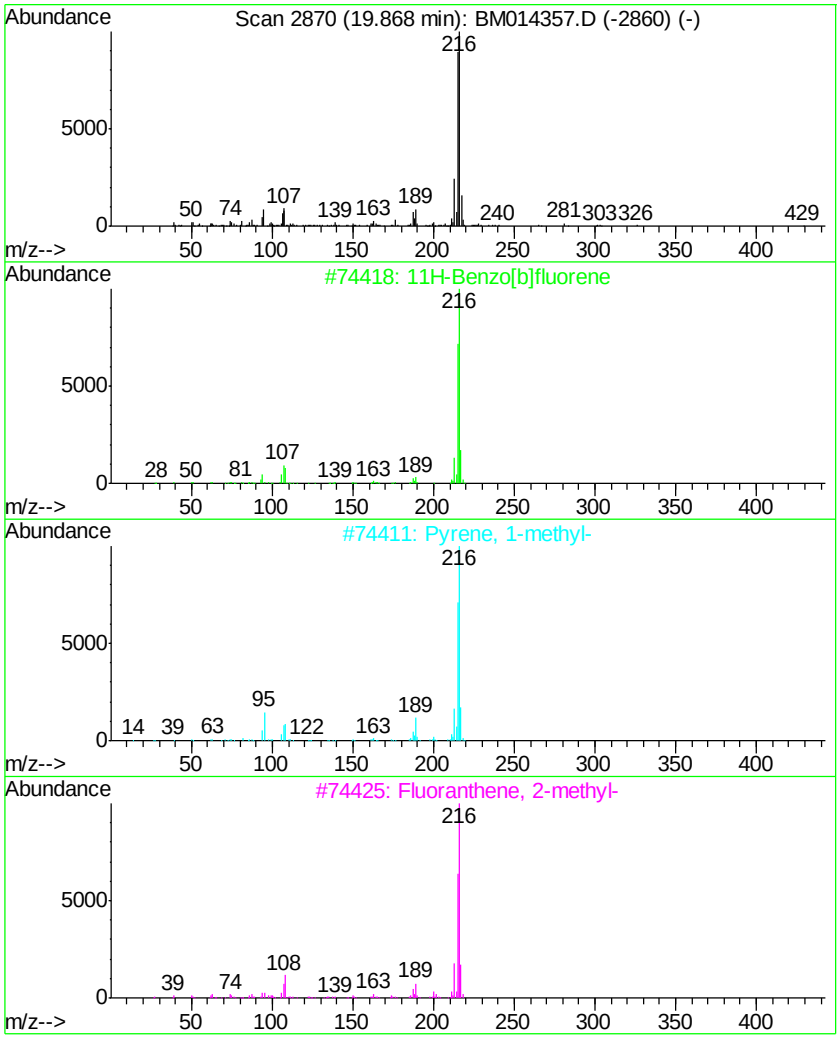
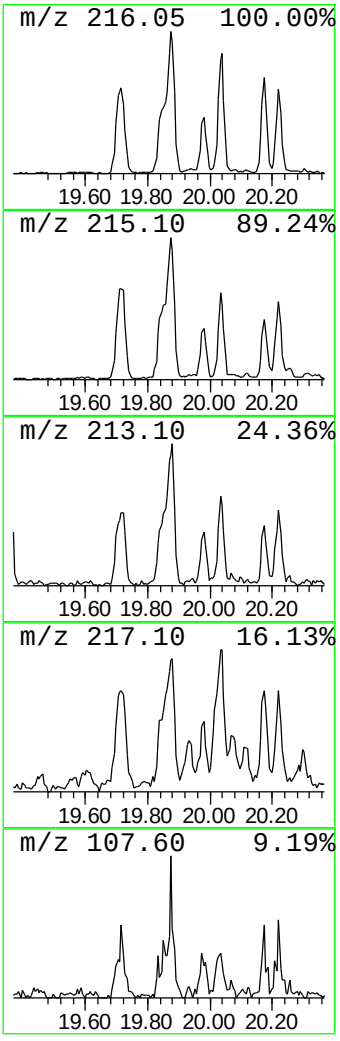
Peak Number 26 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	4.45 ng/ul	1226230	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	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 27 Pyrene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	2.80 ng/ul	773457	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
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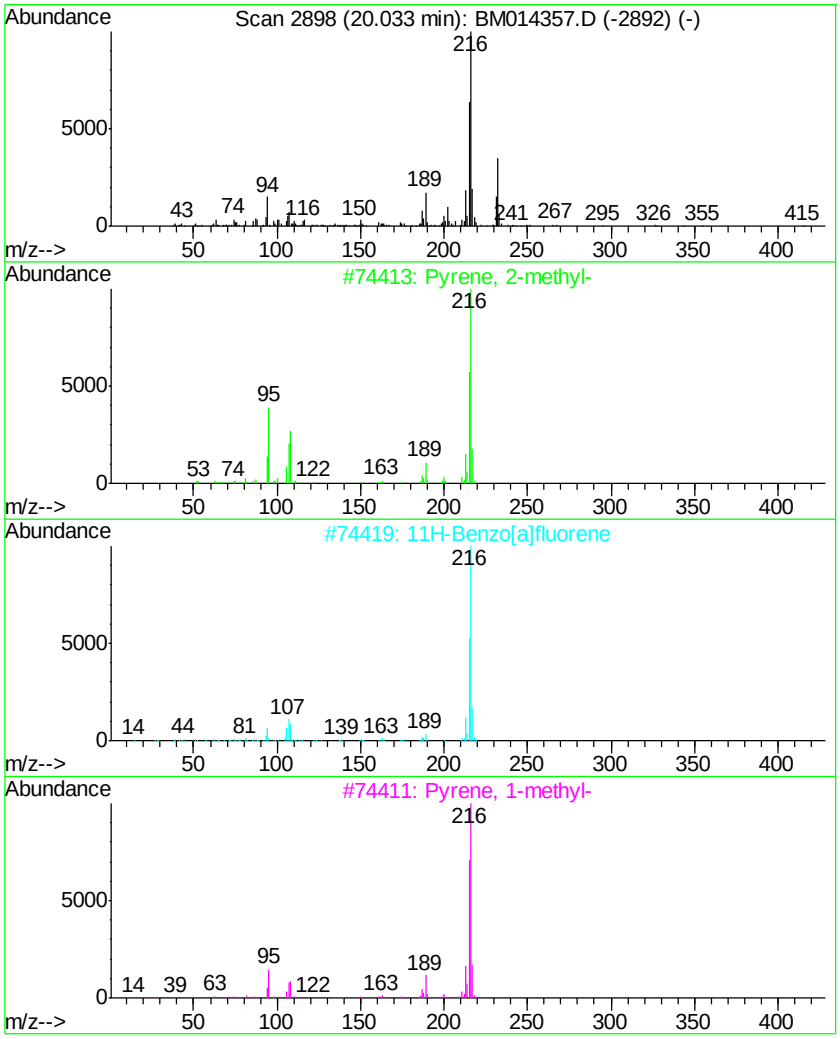

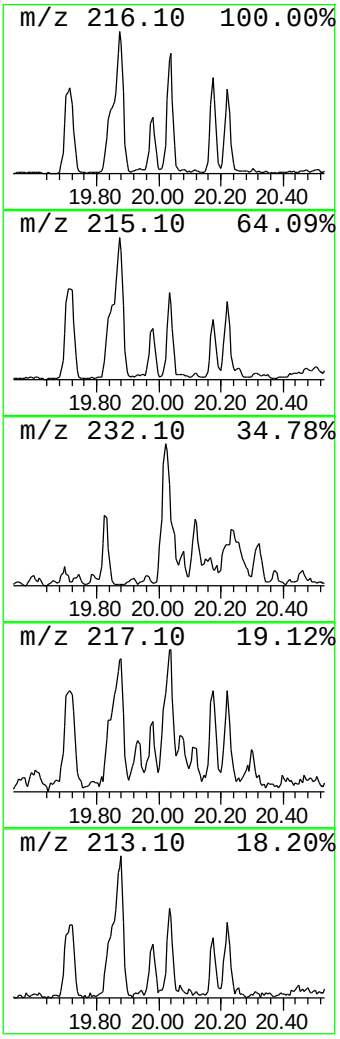

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ALS Vial : 9 Sample Multiplier: 1

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TIC Integration Parameters: LSCINT.P

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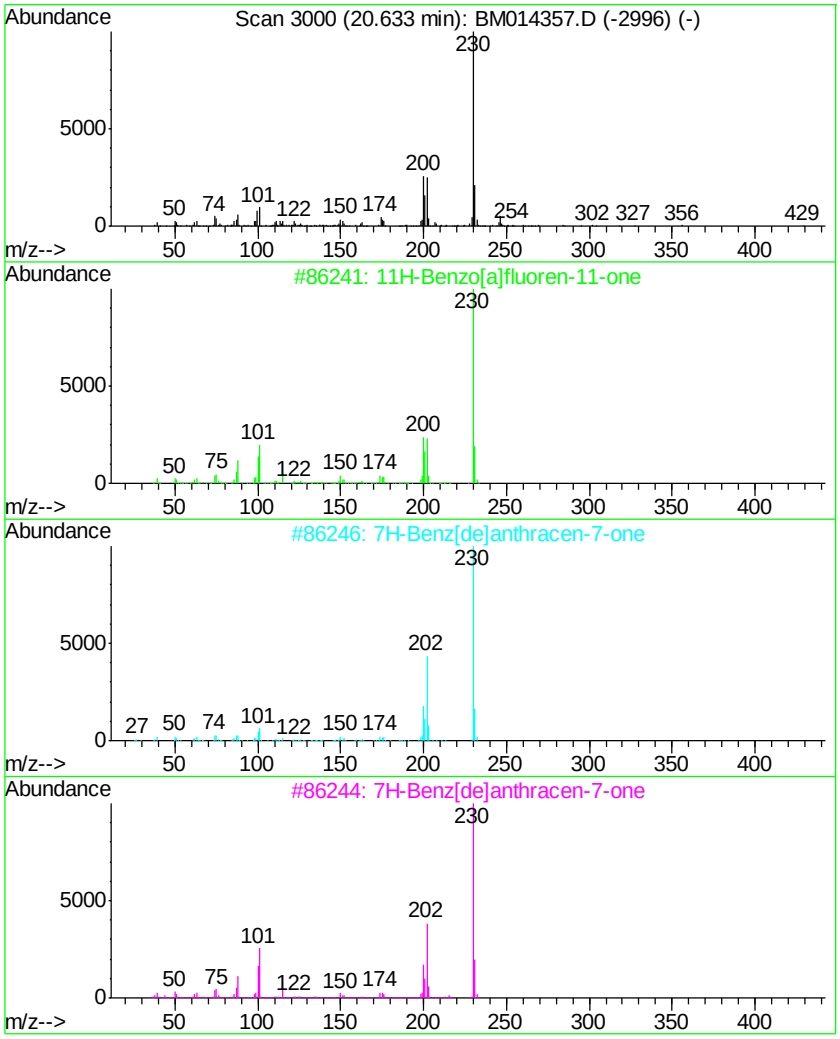
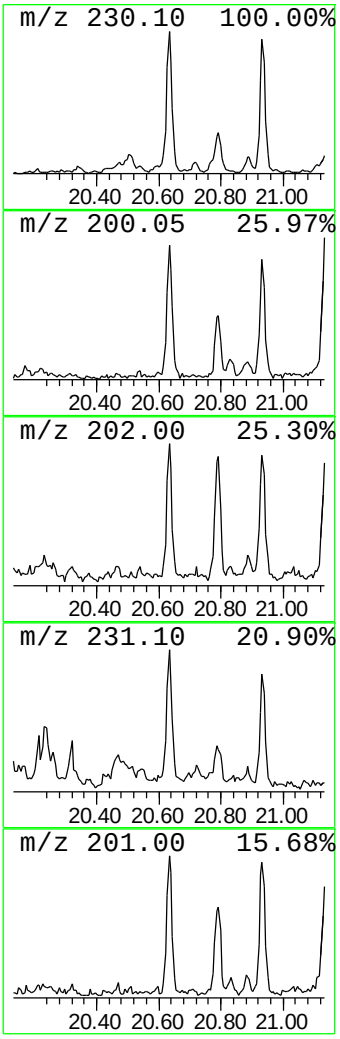
Peak Number 28 11H-Benzo[a]fluoren-11-one Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.63	2.14 ng/ul	590283	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





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Quant Title : SVOA CALIBRATION

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

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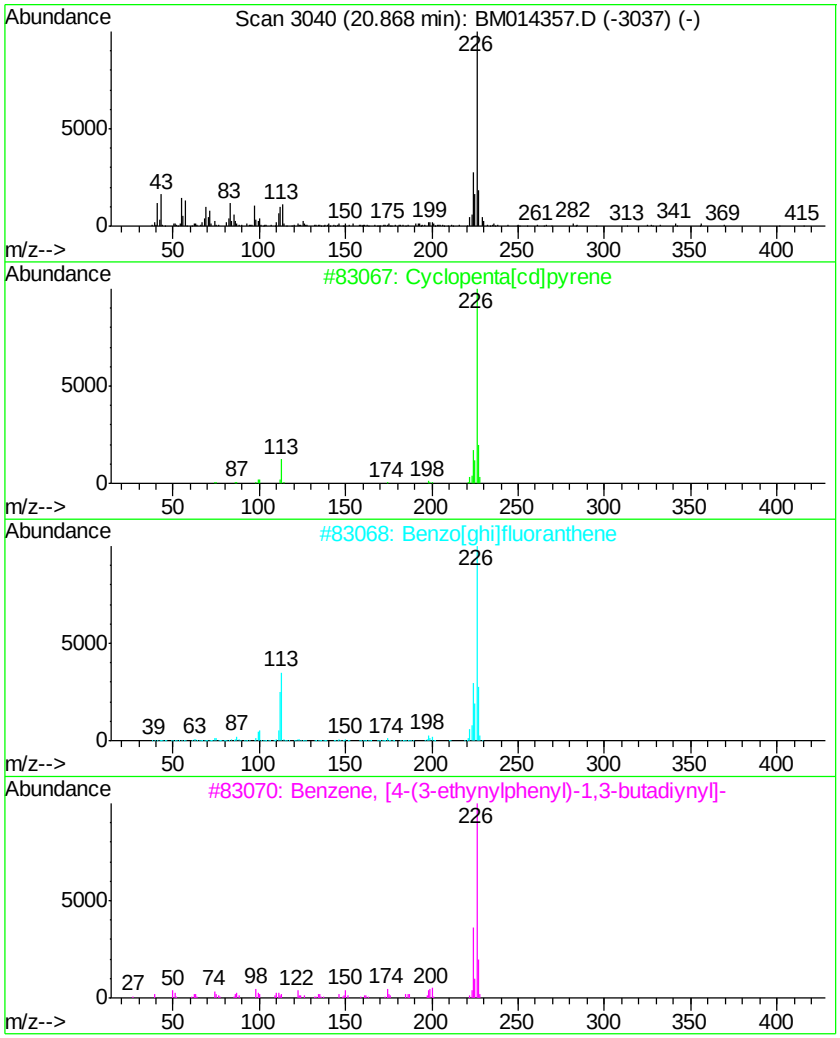
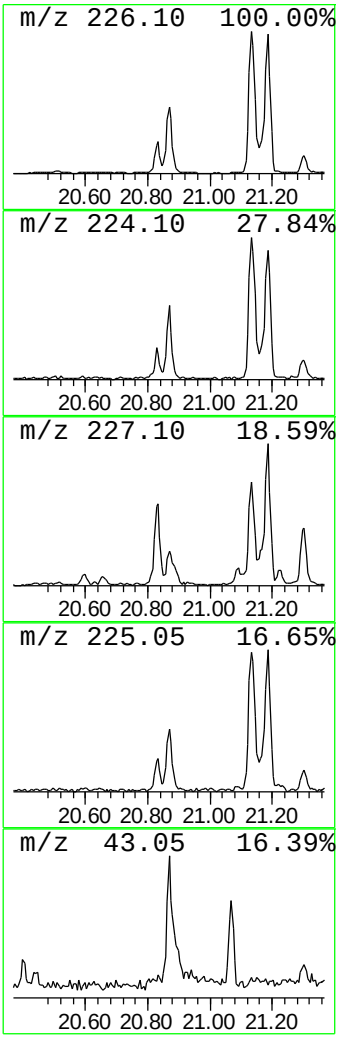
Peak Number 29 Cyclopenta[cd]pyrene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.57 ng/ul	708592	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	53
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	52
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50
5	5-Methyl-1-phenyl-1,5-dihydro-py...	226	C12H10N4O	1000300-02-1	47





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014357.D
Acq On : 26 Feb 2018 15:35
Operator : SJ/JU
Sample : J1646-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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
Acetic acid, 3-[1...	4.68	3.6	ng/ul	172904	1	7.52	947246	20.0
1H-Indene, 1-ethy...	12.19	3.0	ng/ul	210123	2	10.29	1397680	20.0
Naphthalene, 2,7-...	13.49	2.9	ng/ul	282422	3	14.18	1929400	20.0
1-Iodo-2-methylun...	15.04	2.1	ng/ul	201742	3	14.18	1929400	20.0
Dibenzofuran, 4-m...	15.53	5.3	ng/ul	508231	3	14.18	1929400	20.0
6H-Dibenzo[b,d]-p...	15.68	5.3	ng/ul	563746	4	16.94	2117290	20.0
(DEL) Alkane: Str...	15.91	2.4	ng/ul	252204	4	16.94	2117290	20.0
9H-Fluorene, 1-me...	16.24	3.5	ng/ul	370549	4	16.94	2117290	20.0
Phenol, 3-(2-phen...	16.48	2.2	ng/ul	235446	4	16.94	2117290	20.0
9H-Fluoren-9-one	16.60	4.8	ng/ul	511189	4	16.94	2117290	20.0
Benzo[b]benzofura...	16.67	2.0	ng/ul	214099	4	16.94	2117290	20.0
Naphtho[1,2-b]thi...	16.76	5.7	ng/ul	601765	4	16.94	2117290	20.0
Anthracene, 9-eth...	17.46	2.8	ng/ul	292512	4	16.94	2117290	20.0
3-Phenyl-benzofuran	17.53	2.4	ng/ul	255961	4	16.94	2117290	20.0
Phenanthrene, 1-m...	17.82	9.4	ng/ul	997177	4	16.94	2117290	20.0
Anthracene, 9-met...	17.86	14.9	ng/ul	1572280	4	16.94	2117290	20.0
4H-Cyclopenta[def...	18.01	13.5	ng/ul	1427680	4	16.94	2117290	20.0
Phenanthrene, 4-m...	18.04	5.4	ng/ul	567801	4	16.94	2117290	20.0
Naphthalene, 2-ph...	18.32	6.7	ng/ul	709985	4	16.94	2117290	20.0
9,10-Anthracenedione	18.37	6.1	ng/ul	645943	4	16.94	2117290	20.0
Phenanthrene, 2,3...	18.74	4.3	ng/ul	453792	4	16.94	2117290	20.0
unknown-01	18.81	3.6	ng/ul	383009	4	16.94	2117290	20.0
Cyclopenta(def)ph...	18.89	6.0	ng/ul	637696	4	16.94	2117290	20.0
Fluoranthene, 2-m...	19.70	3.0	ng/ul	814217	5	21.15	5515510	20.0
11H-Benzo[b]fluorene	19.87	4.5	ng/ul	1226230	5	21.15	5515510	20.0
Pyrene, 2-methyl-	20.03	2.8	ng/ul	773457	5	21.15	5515510	20.0
11H-Benzo[a]fluor...	20.63	2.1	ng/ul	590283	5	21.15	5515510	20.0
Cyclopenta[cd]pyrene	20.87	2.6	ng/ul	708592	5	21.15	5515510	20.0