LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
Data File : BM014379.D
Acq On : 27 Feb 2018 13:00
Operator : SJ/JU
Sample : J1631-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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	4.675	283	287	297	rVB2	68699	126680	1.84%	0.119%
2	6.716	627	634	648	rVB	389591	748685	10.86%	0.703%
3	6.869	654	660	672	rVB	316155	492688	7.15%	0.463%
4	7.057	686	692	698	rBV	471568	730734	10.60%	0.686%
5	7.516	764	770	779	rBV	405824	664716	9.64%	0.624%
6	8.245	887	894	902	rBV	398073	733798	10.65%	0.689%
7	8.345	906	911	921	rVB	161077	282938	4.10%	0.266%
8	8.675	960	967	980	rBV	448181	820453	11.90%	0.770%
9	9.392	1083	1089	1099	rBV2	383623	718091	10.42%	0.674%
10	9.704	1136	1142	1148	rVB2	113317	183943	2.67%	0.173%
11	9.933	1173	1181	1192	rBV2	478594	975324	14.15%	0.916%
12	10.286	1232	1241	1246	rBV	560290	951648	13.81%	0.894%
13	10.339	1246	1250	1257	rVB	79355	139001	2.02%	0.131%
14	10.457	1262	1270	1284	rBV2	114659	321078	4.66%	0.302%
15	11.839	1495	1505	1511	rBV4	68690	155684	2.26%	0.146%
16	13.492	1780	1786	1791	rBV2	57551	111989	1.62%	0.105%
17	13.598	1799	1804	1808	rVV	1019529	1419217	20.59%	1.333%
18	13.645	1808	1812	1818	rVB	330177	468985	6.80%	0.440%
19	13.868	1842	1850	1861	rBV	1163221	1893724	27.47%	1.778%
20	14.080	1879	1886	1890	rBV	99622	154028	2.23%	0.145%
21	14.174	1895	1902	1908	rVV2	755082	1222278	17.73%	1.148%
22	14.239	1908	1913	1918	rVB2	145789	206963	3.00%	0.194%
23	14.451	1944	1949	1962	rBV3	142975	408014	5.92%	0.383%
24	14.586	1967	1972	1976	rBV2	131938	202723	2.94%	0.190%
25	14.986	2035	2040	2044	rBV4	106170	184432	2.68%	0.173%
26	15.039	2044	2049	2054	rVB4	128481	202701	2.94%	0.190%
27	15.180	2067	2073	2078	rBV	1392064	1939108	28.13%	1.821%
28	15.233	2078	2082	2092	rVB	217225	384171	5.57%	0.361%
29	15.339	2094	2100	2107	rBV2	252359	464746	6.74%	0.436%
30	15.533	2129	2133	2141	rVB2	109061	164899	2.39%	0.155%
31	15.680	2148	2158	2165	rBV2	86684	203587	2.95%	0.191%
32	15.909	2192	2197	2205	rBV6	128127	276670	4.01%	0.260%
33	16.245	2243	2254	2259	rBV5	91556	226251	3.28%	0.212%
34	16.392	2270	2279	2285	rVV	484599	788430	11.44%	0.740%

LSC Area Percent Report

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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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	16.468	2285	2292	2294	rVV3	159745	267497	3.88%	0.251%
36	16.515	2294	2300	2308	rVV	2706694	4124389	59.83%	3.873%
37	16.604	2310	2315	2319	rVB2	124867	183645	2.66%	0.172%
38	16.698	2322	2331	2336	rVV3	347193	585546	8.49%	0.550%
39	16.756	2336	2341	2346	rVV	251600	375269	5.44%	0.352%
40	16.815	2346	2351	2356	rVB3	135776	196496	2.85%	0.185%
41	16.939	2363	2372	2375	rBV	943417	1458125	21.15%	1.369%
42	16.980	2375	2379	2384	rVV	3073421	4023131	58.36%	3.778%
43	17.039	2384	2389	2392	rVV	1495361	2208214	32.03%	2.074%
44	17.068	2392	2394	2400	rVB	603192	766979	11.13%	0.720%
45	17.139	2400	2406	2411	rBV	1812811	2675112	38.81%	2.512%
46	17.356	2435	2443	2452	rBV2	199160	513661	7.45%	0.482%
47	17.462	2454	2461	2463	rVV4	259576	494082	7.17%	0.464%
48	17.492	2463	2466	2480	rVB3	355397	649229	9.42%	0.610%
49	17.798	2512	2518	2524	rBV2	1230346	2420177	35.11%	2.273%
50	17.856	2524	2528	2535	rVB2	1052189	1865309	27.06%	1.752%
51	17.945	2540	2543	2544	rVV	241499	291375	4.23%	0.274%
52	17.968	2544	2547	2550	rVV2	408097	648177	9.40%	0.609%
53	18.009	2550	2554	2557	rVV2	606685	1020946	14.81%	0.959%
54	18.045	2557	2560	2566	rVB	348721	484882	7.03%	0.455%
55	18.139	2571	2576	2578	rBV3	327423	541142	7.85%	0.508%
56	18.168	2578	2581	2586	rVB	794052	1039770	15.08%	0.976%
57	18.274	2595	2599	2603	rBV7	132462	230196	3.34%	0.216%
58	18.321	2603	2607	2611	rVV	271622	348778	5.06%	0.328%
59	18.374	2611	2616	2619	rVV2	388784	605994	8.79%	0.569%
60	18.421	2620	2624	2632	rVB	939809	1395081	20.24%	1.310%
61	18.545	2640	2645	2654	rBV	1743654	2631072	38.17%	2.471%
62	18.621	2656	2658	2661	rVV	109063	121139	1.76%	0.114%
63	18.656	2661	2664	2668	rVB3	123862	169374	2.46%	0.159%
64	18.745	2675	2679	2682	rBV	200850	284221	4.12%	0.267%
65	18.786	2682	2686	2692	rVV2	1078839	1563474	22.68%	1.468%
66	18.839	2692	2695	2699	rVB	208822	237452	3.44%	0.223%
67	18.898	2699	2705	2709	rBV5	249196	495065	7.18%	0.465%
68	19.009	2718	2724	2729	rBV	4997046	6893268	100.00%	6.473%
69	19.062	2729	2733	2738	rVB5	298832	516807	7.50%	0.485%
70	19.115	2739	2742	2743	rBV3	113077	121391	1.76%	0.114%
71	19.145	2743	2747	2753	rVB2	632778	915642	13.28%	0.860%

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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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

72	19.256	2762	2766	2770	rVB2	384194	473330	6.87%	0.445%
73	19.345	2776	2781	2784	rBV2	2286995	3692085	53.56%	3.467%
74	19.380	2784	2787	2795	rVV	4351532	5485097	79.57%	5.151%
75	19.456	2795	2800	2804	rVB3	339862	530337	7.69%	0.498%
76	19.562	2815	2818	2825	rVB2	339854	521644	7.57%	0.490%
77	19.627	2825	2829	2832	rBV	391494	501970	7.28%	0.471%
78	19.662	2832	2835	2838	rBV4	199683	243812	3.54%	0.229%
79	19.703	2838	2842	2849	rVV4	270577	605650	8.79%	0.569%
80	19.792	2849	2857	2861	rVV2	1280222	2176127	31.57%	2.044%
81	19.850	2861	2867	2868	rVV5	306323	557447	8.09%	0.524%
82	19.874	2868	2871	2880	rVB	650340	1046246	15.18%	0.983%
83	19.980	2885	2889	2892	rBV	373991	464074	6.73%	0.436%
84	20.021	2892	2896	2897	rBV3	362993	475137	6.89%	0.446%
85	20.174	2919	2922	2925	rBV	283609	315980	4.58%	0.297%
86	20.633	2997	3000	3006	rVB	369622	511366	7.42%	0.480%
87	20.791	3024	3027	3031	rBV2	350865	438484	6.36%	0.412%
88	20.833	3031	3034	3037	rVV2	544175	659232	9.56%	0.619%
89	20.868	3037	3040	3048	rVV4	599995	1072876	15.56%	1.008%
90	20.933	3049	3051	3056	rVB	373202	445224	6.46%	0.418%
91	21.139	3081	3086	3091	rBV2	3079131	5295278	76.82%	4.973%
92	21.186	3091	3094	3099	rVB	2437847	3045474	44.18%	2.860%
93	21.303	3111	3114	3120	rBV	440195	558637	8.10%	0.525%
94	21.691	3178	3180	3183	rVB	500363	513111	7.44%	0.482%
95	22.685	3344	3349	3354	rBV	1936134	4092985	59.38%	3.844%
96	23.144	3422	3427	3431	rBV	1117116	1967935	28.55%	1.848%
97	23.191	3431	3435	3439	rVV2	1214403	2243822	32.55%	2.107%
98	23.238	3439	3443	3448	rVB	1896833	3013235	43.71%	2.830%
99	23.327	3454	3458	3462	rBV	545842	797077	11.56%	0.749%
100	25.491	3820	3826	3836	rVB	966317	2410251	34.97%	2.263%

Sum of corrected areas: 106484407

LSC Report - Integrated Chromatogram

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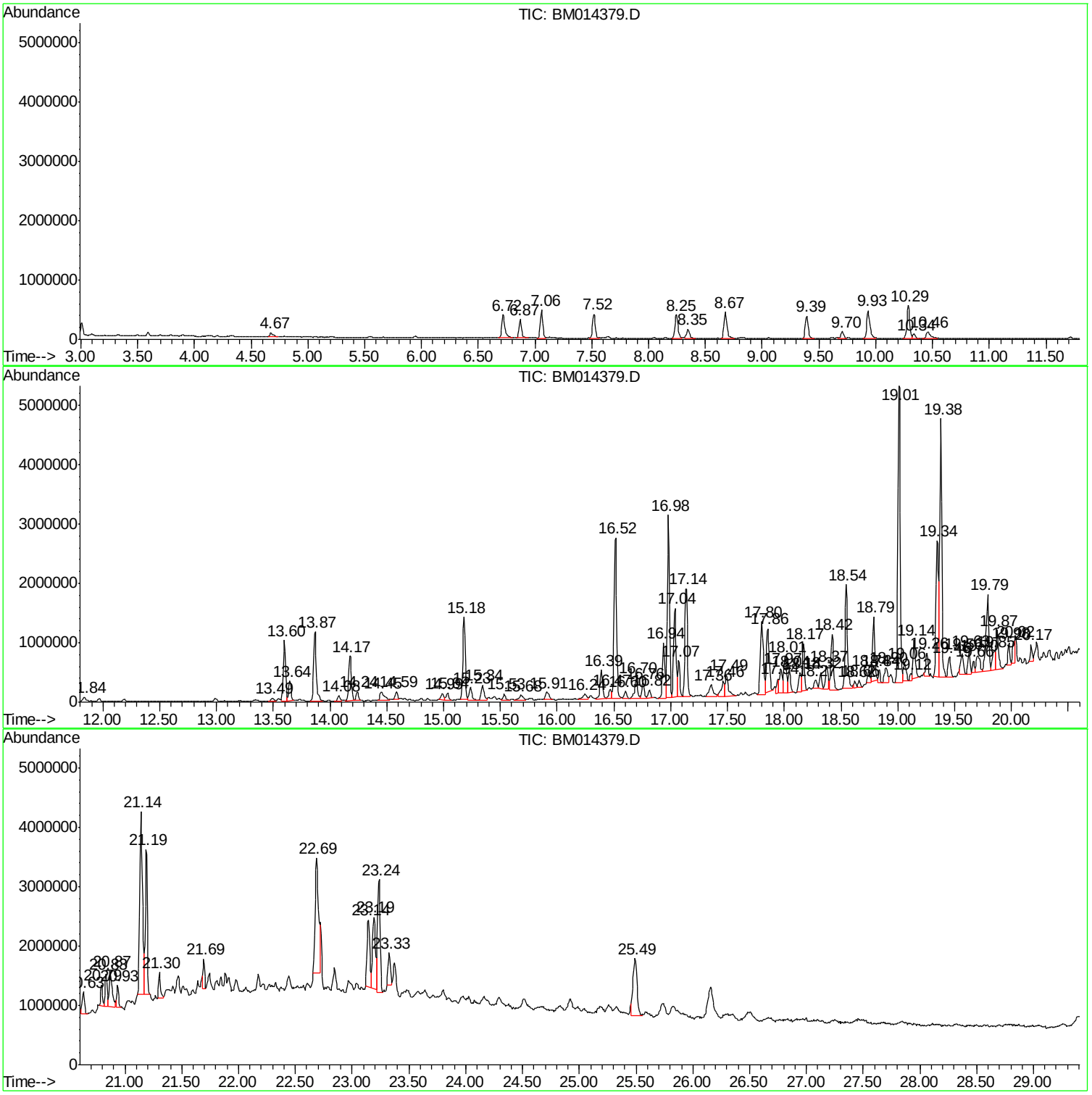
Sample : J1631-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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\BM022718\
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Acq On : 27 Feb 2018 13:00
Operator : SJ/JU
Sample : J1631-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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

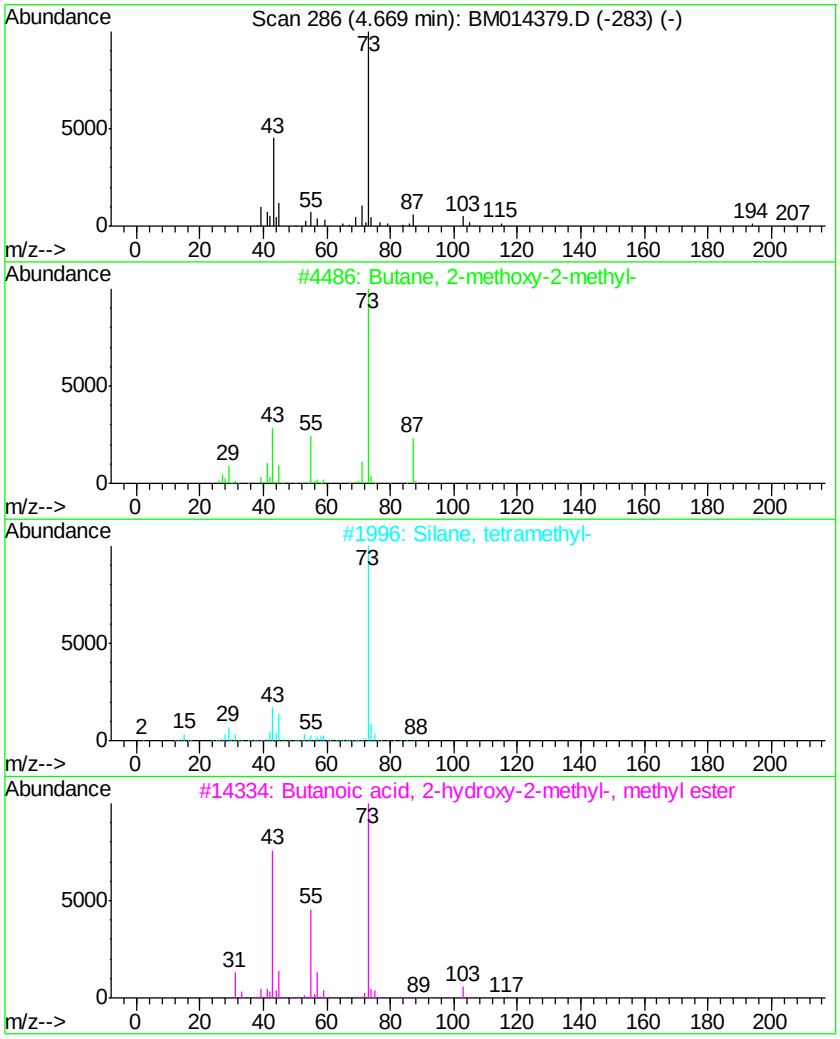
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

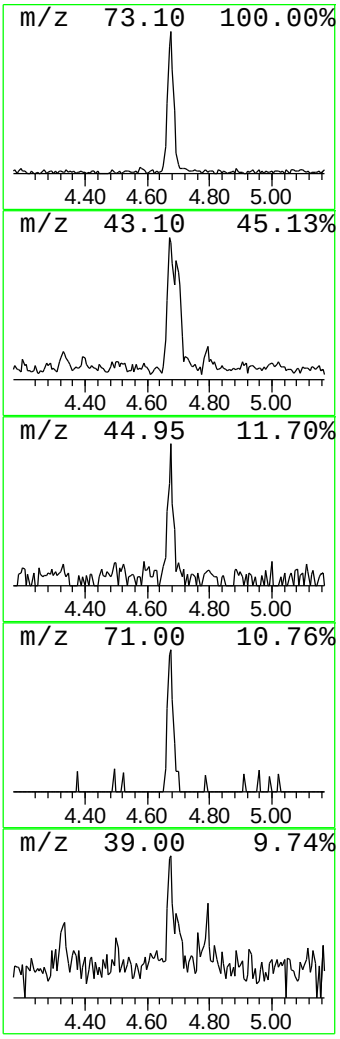
****

Peak Number 1 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.67	3.81 ng/ul	126680	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	42
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
3	Butanoic acid, 2-hydroxy-2-methy...	132	C6H12O3	032793-34-3	28
4	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	25
5	Isopropyl 5,11-dihydroxy-3,7,11-...	314	C18H34O4	1000223-34-1	17





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
Data File : BM014379.D
Acq On : 27 Feb 2018 13:00
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Sample : J1631-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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

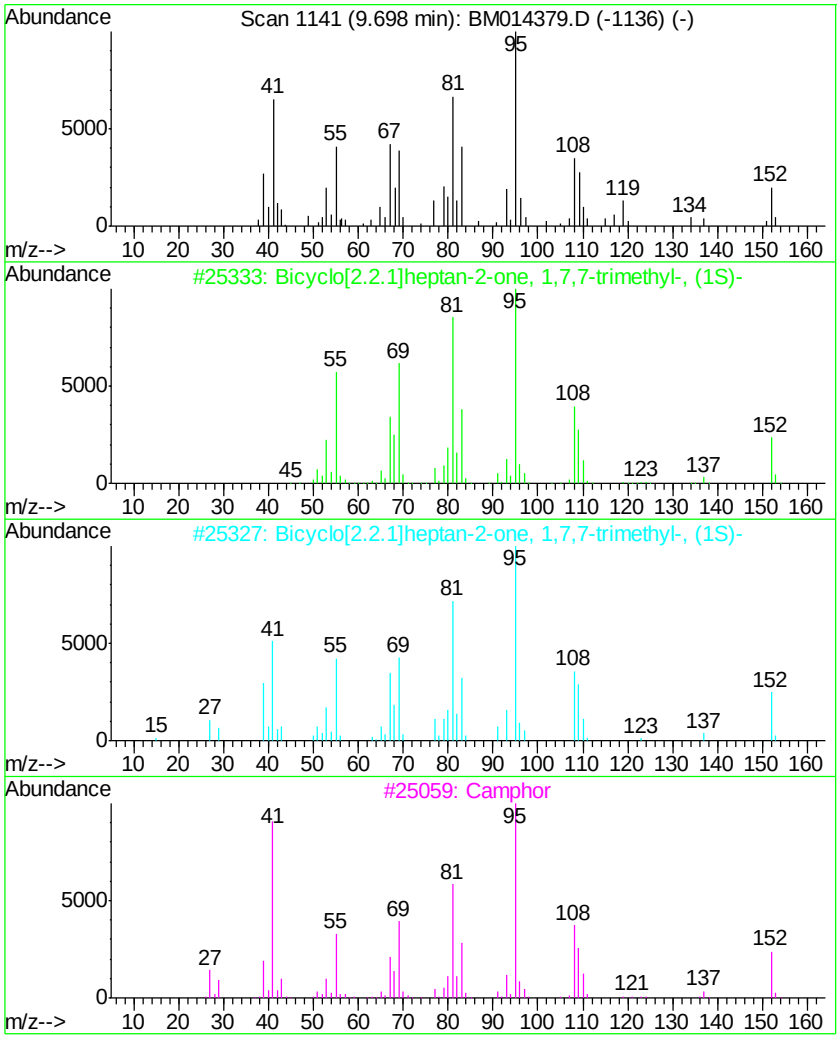
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

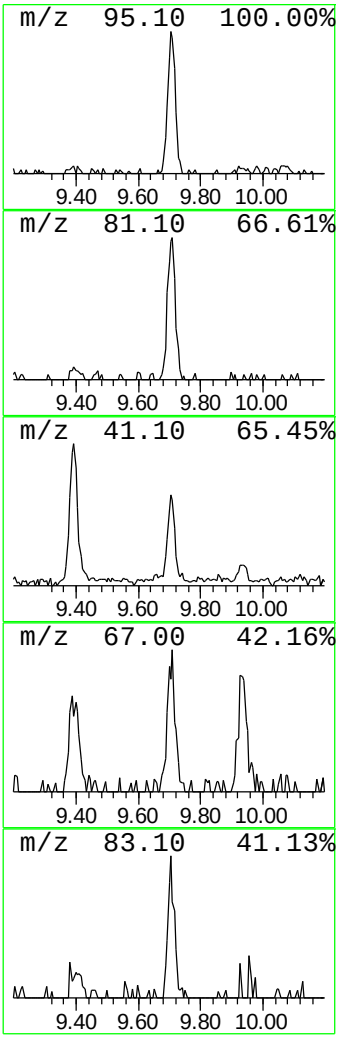
****

Peak Number 2 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	3.87 ng/ul	183943	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	91
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	74
3	Camphor	152	C10H16O	000076-22-2	74
4	(+)-2-Bornanone	152	C10H16O	000464-49-3	72
5	Camphor	152	C10H16O	000076-22-2	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
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Instrument : BNA_M
ClientSampleId : BE5Y6

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

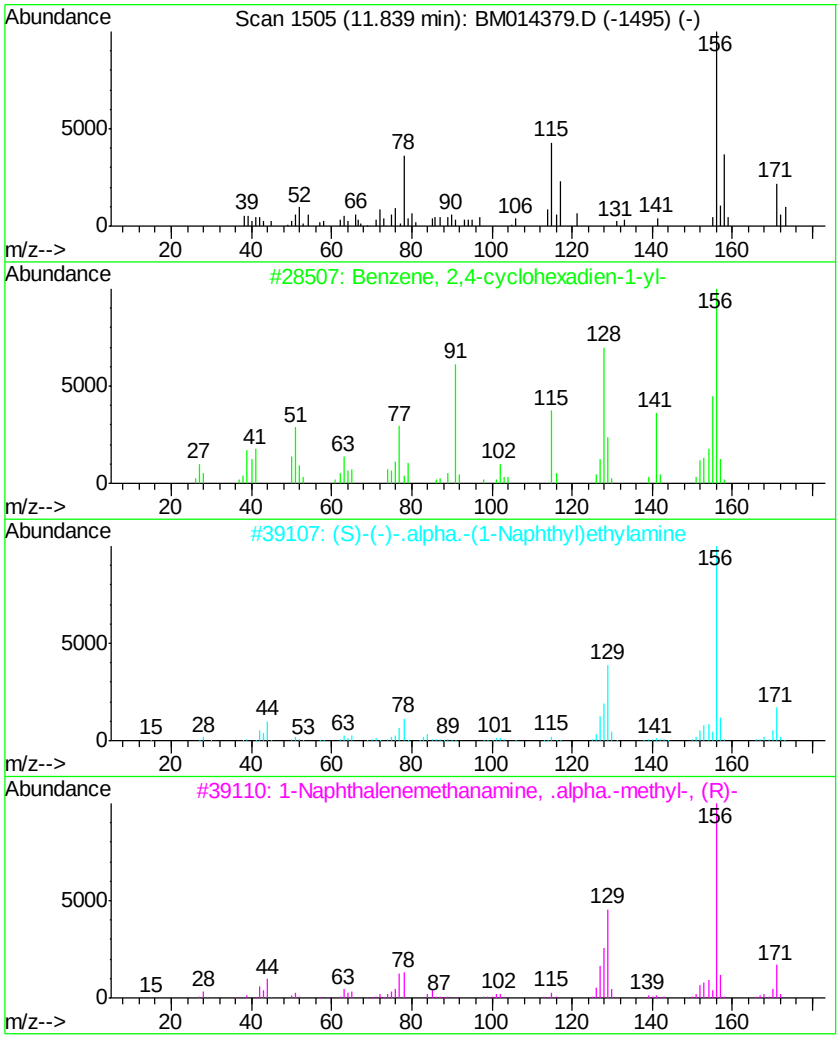
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

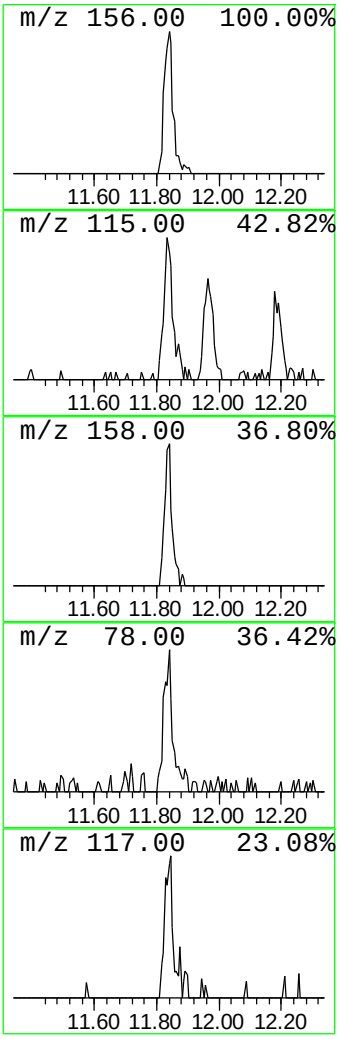
****

Peak Number 3 unknown-02 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	3.27 ng/ul	155684	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-cyclohexadien-1-yl-	156	C12H12	021473-05-2	43
2	(S)-(-)-.alpha.-(1-Naphthyl)ethy...	171	C12H13N	010420-89-0	38
3	1-Naphthalenemethanamine, .alpha...	171	C12H13N	003886-70-2	38
4	(S)-(-)-.alpha.-(1-Naphthyl)ethy...	171	C12H13N	010420-89-0	38
5	Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	37





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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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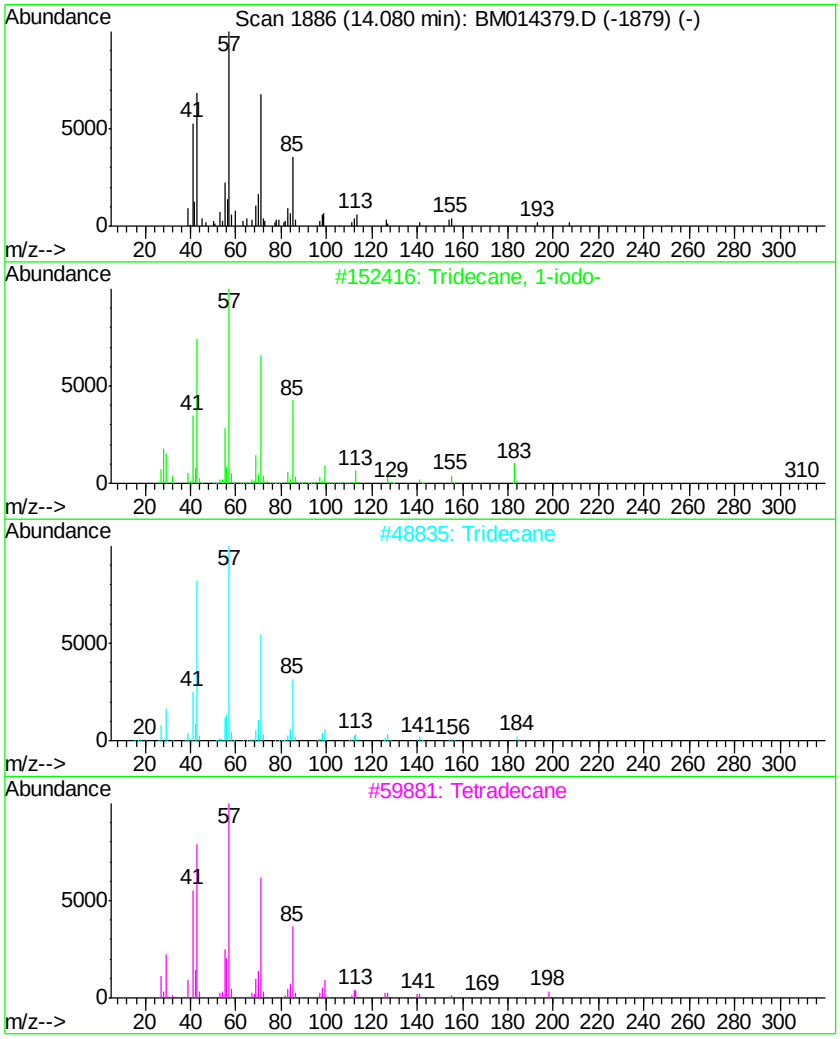
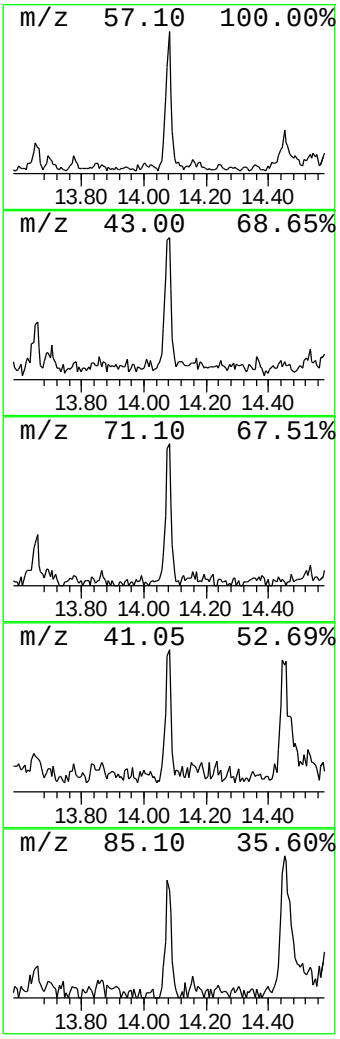
Peak Number 4 Tridecane, 1-iodo- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	2.52 ng/ul	154028	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
2	Tridecane	184	C13H28	000629-50-5	80
3	Tetradecane	198	C14H30	000629-59-4	80
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
5	Hexadecane	226	C16H34	000544-76-3	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
Data File : BM014379.D
Acq On : 27 Feb 2018 13:00
Operator : SJ/JU
Sample : J1631-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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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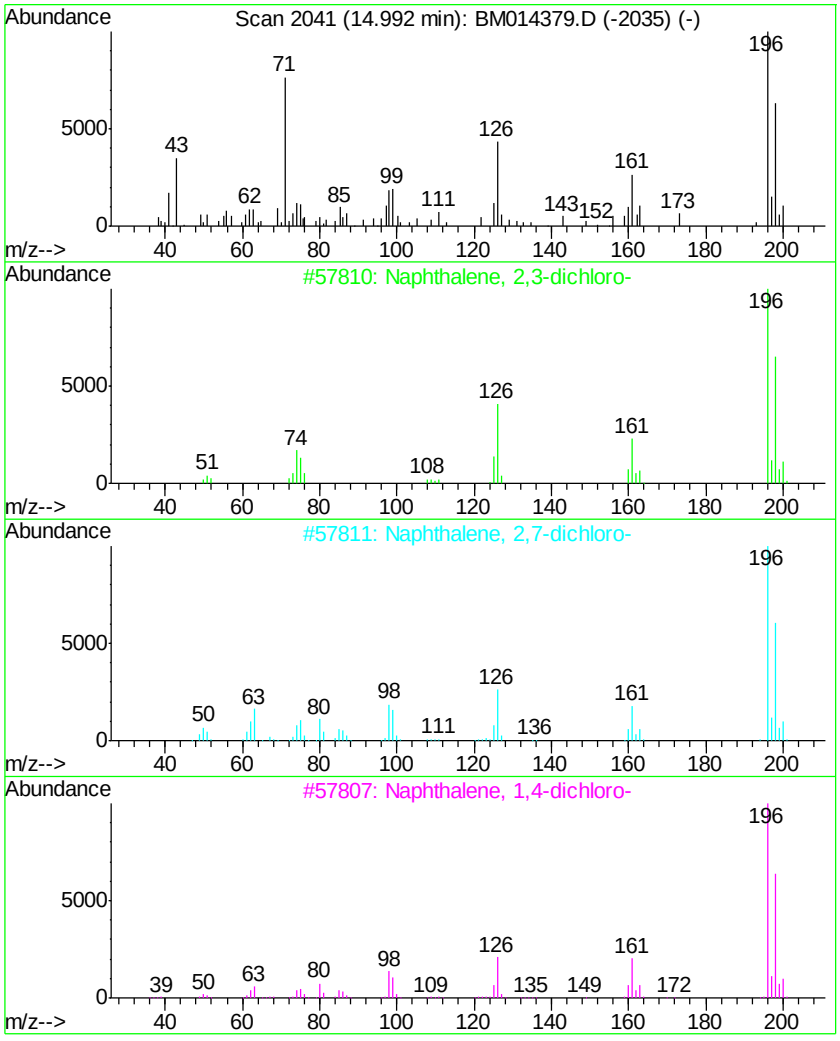
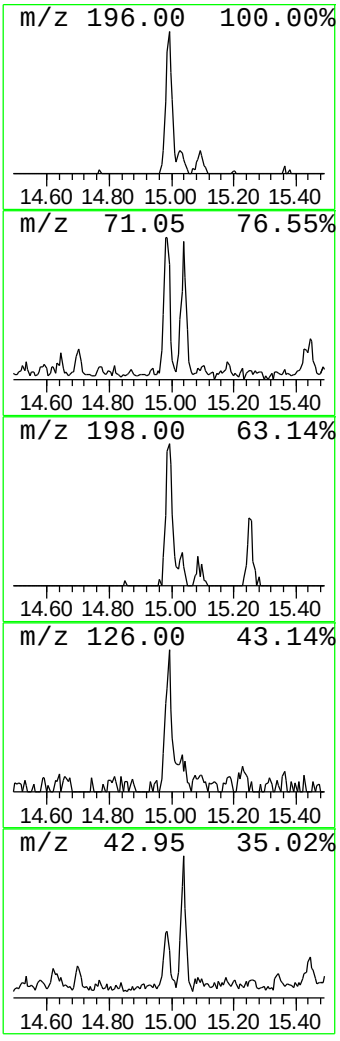
Peak Number 5 Naphthalene, 2,3-dichloro- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	3.02 ng/ul	184432	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dichloro-	196	C10H6Cl2	002050-75-1	70
2	Naphthalene, 2,7-dichloro-	196	C10H6Cl2	002198-77-8	64
3	Naphthalene, 1,4-dichloro-	196	C10H6Cl2	001825-31-6	60
4	Naphthalene, 1,5-dichloro-	196	C10H6Cl2	001825-30-5	50
5	1-(1,2-Dichloroethenyl)-4-ethyny...	196	C10H6Cl2	1000283-76-7	45





Library Search Compound Report

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Acq On : 27 Feb 2018 13:00
Operator : SJ/JU
Sample : J1631-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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Quant Title : SVOA CALIBRATION

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

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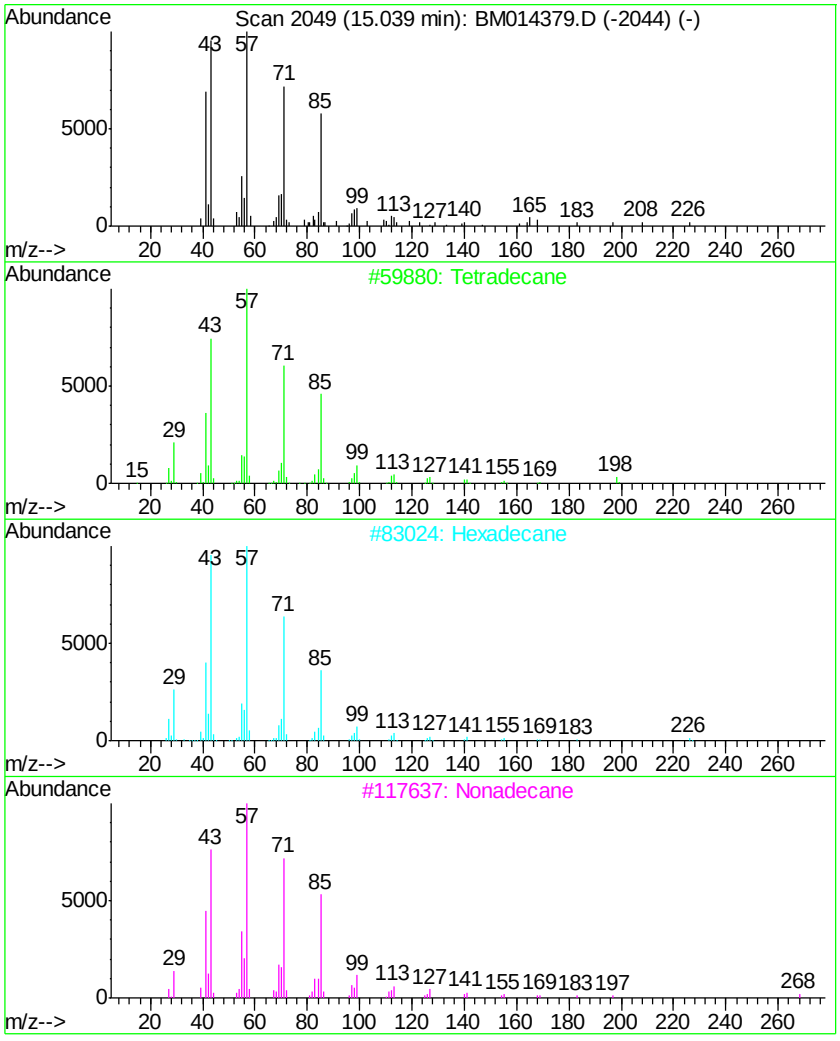
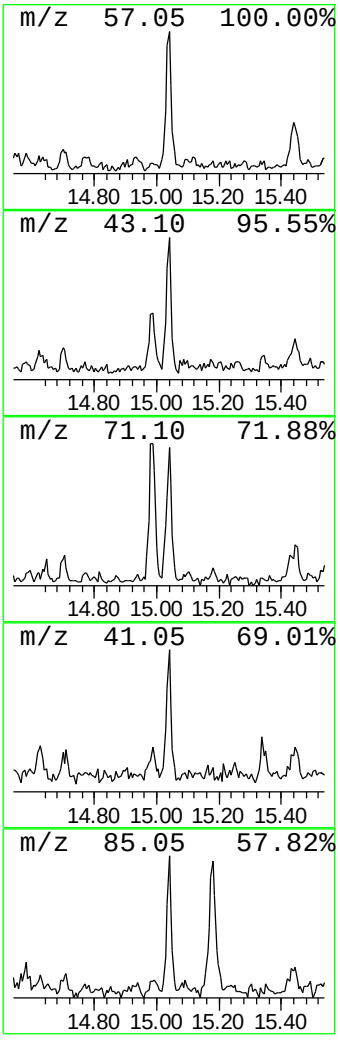
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	3.32 ng/ul	202701	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	80
2	Hexadecane	226	C16H34	000544-76-3	70
3	Nonadecane	268	C19H40	000629-92-5	64
4	Octadecane	254	C18H38	000593-45-3	64
5	Dodecane	170	C12H26	000112-40-3	59





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Instrument : BNA_M
ClientSampleId : BE5Y6

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Quant Title : SVOA CALIBRATION

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

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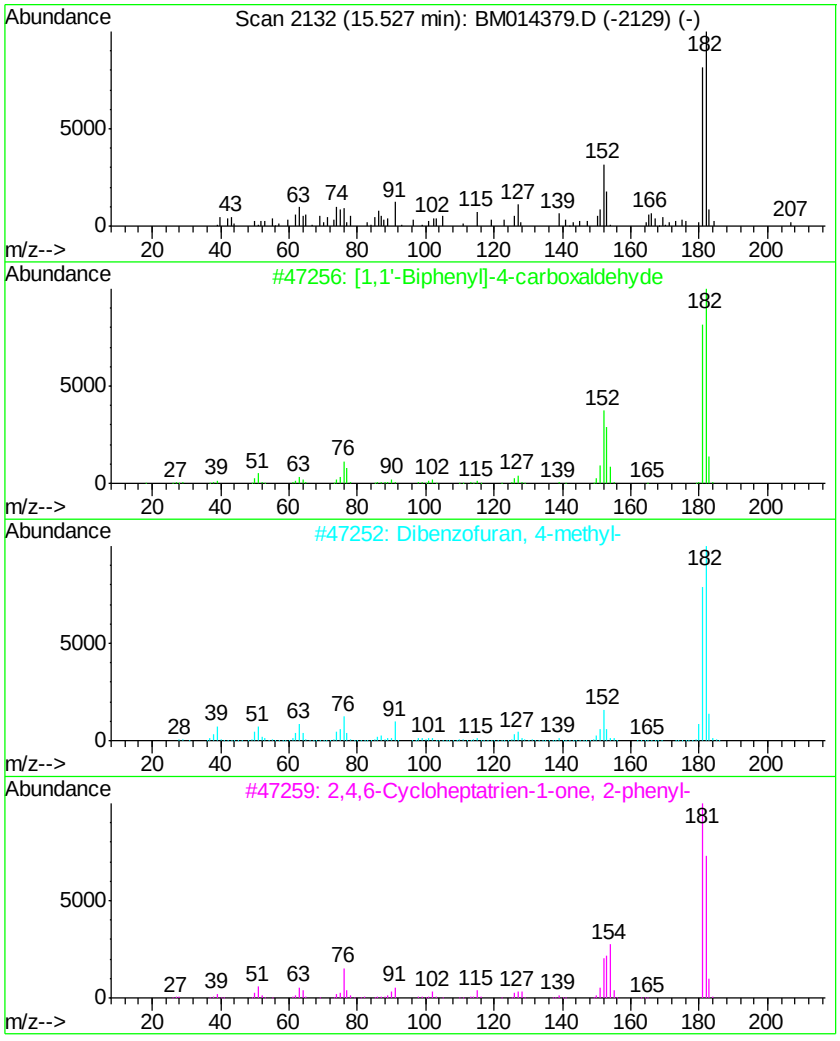
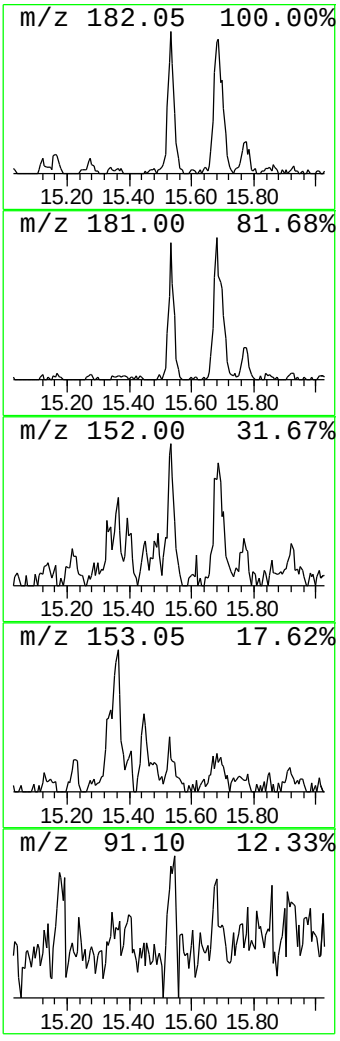
Peak Number 7 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	2.70 ng/ul	164899	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
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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ClientSampleId : BE5Y6

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Quant Title : SVOA CALIBRATION

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

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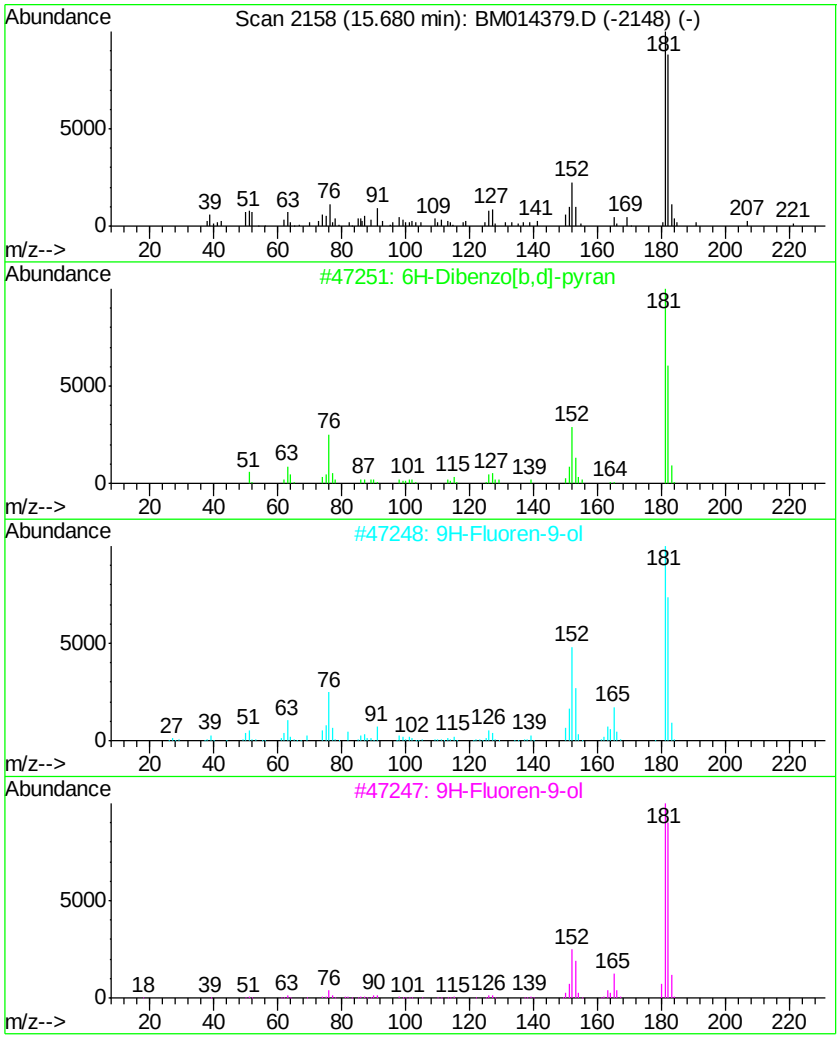
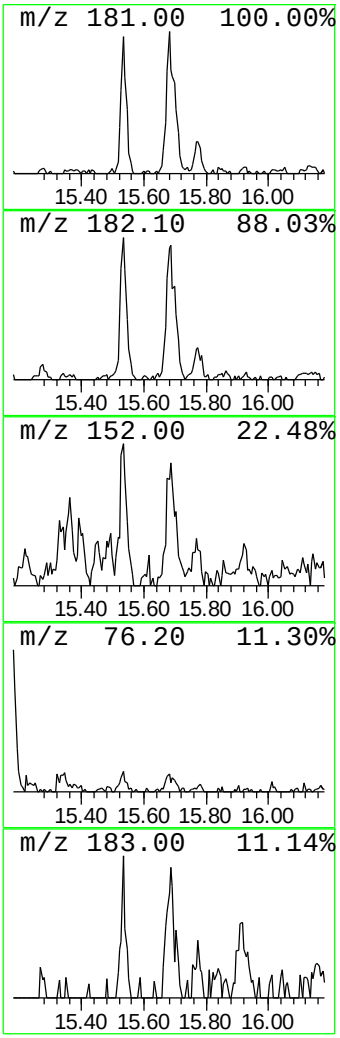
Peak Number 8 6H-Dibenzo[b,d]-pyran Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	2.79 ng/ul	203587	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





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Instrument : BNA_M
ClientSampleId : BE5Y6

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Quant Title : SVOA CALIBRATION

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

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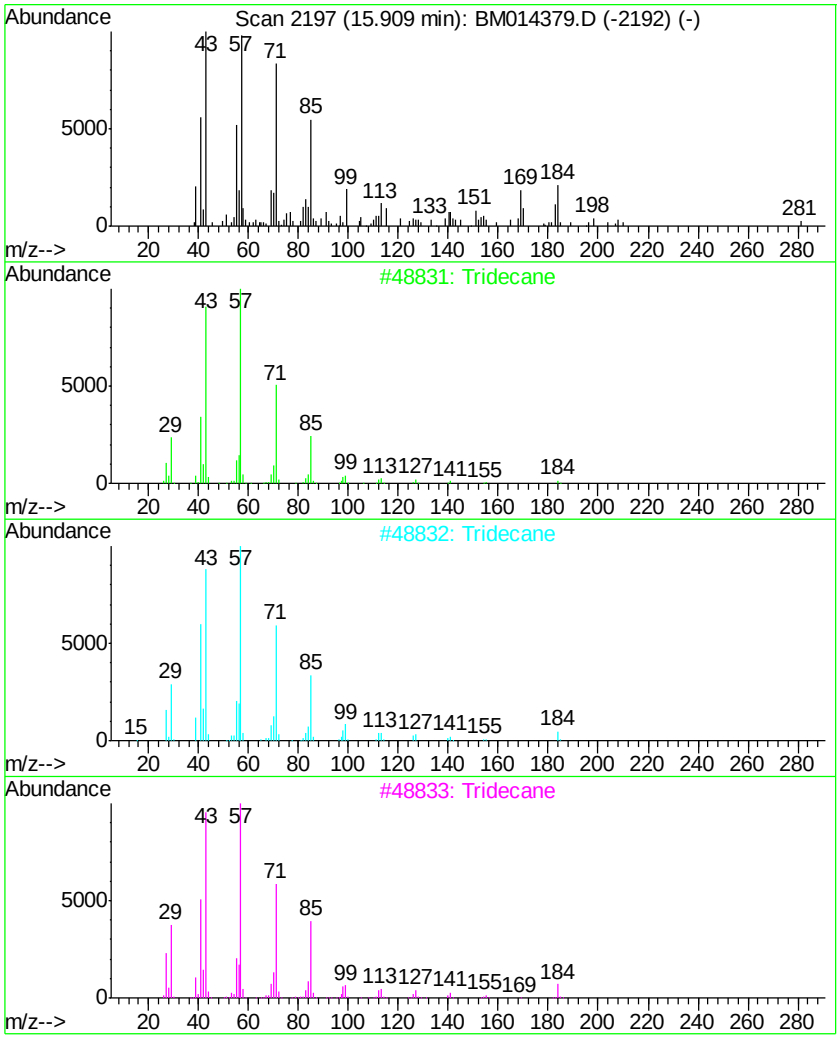
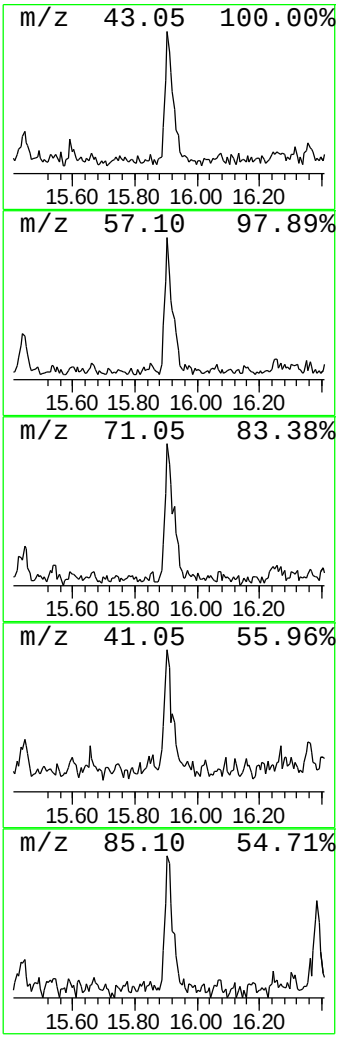
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	3.79 ng/ul	276670	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	74
3	Tridecane	184	C13H28	000629-50-5	74
4	Tridecane	184	C13H28	000629-50-5	74
5	Tridecane	184	C13H28	000629-50-5	72





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Quant Title : SVOA CALIBRATION

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

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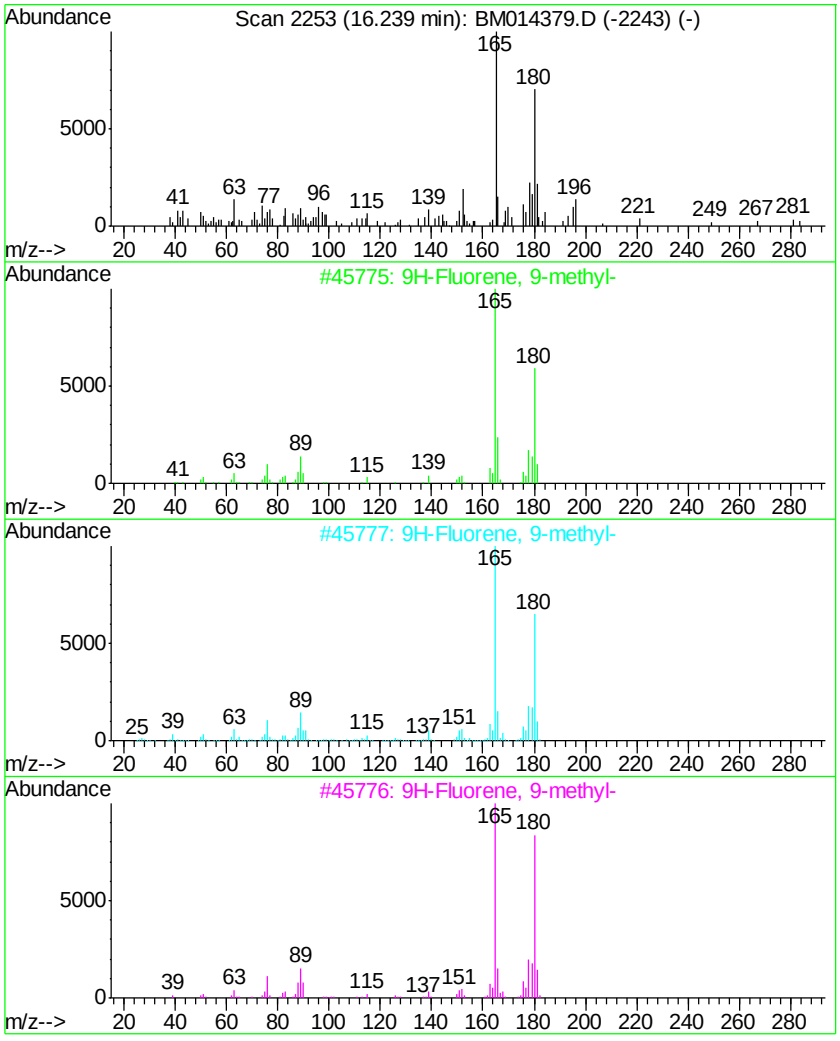
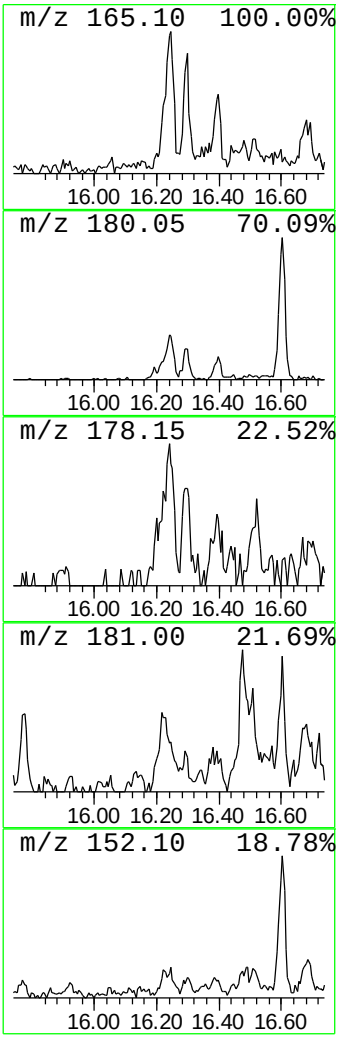
Peak Number 10 9H-Fluorene, 9-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	3.10 ng/ul	226251	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	58
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	58





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Quant Title : SVOA CALIBRATION

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

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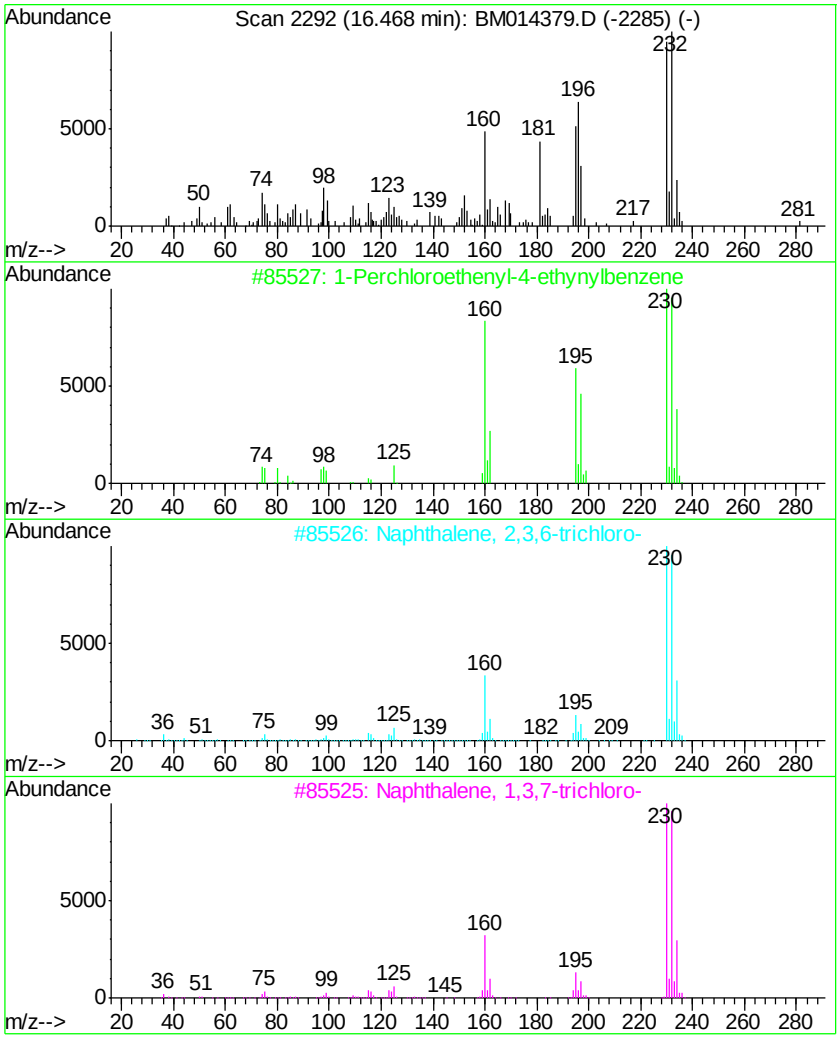
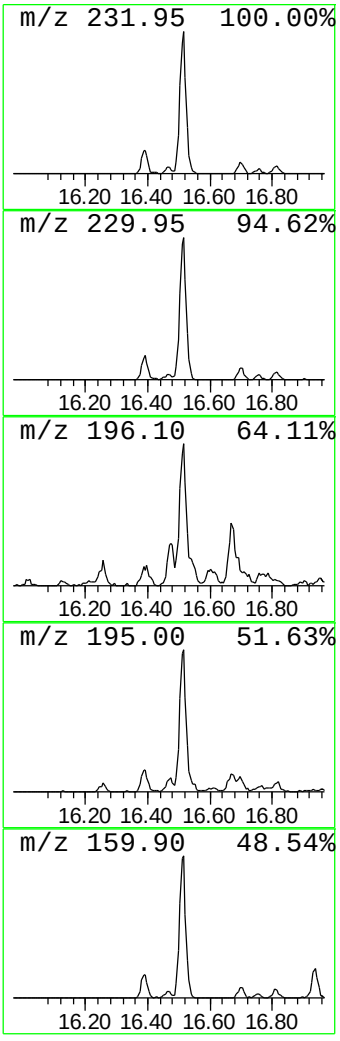
Peak Number 12 1-Perchloroethenyl-4-ethyny... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	3.67 ng/ul	267497	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Perchloroethenyl-4-ethynylbenzene	230	C10H5Cl3	1000283-76-9	53
2	Naphthalene, 2,3,6-trichloro-	230	C10H5Cl3	055720-40-6	50
3	Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	41
4	4-Chloro-1,8-naphthalic anhydride	232	C12H5ClO3	004053-08-1	30
5	Acenaphthylene, 1-bromo-	230	C12H7Br	054736-49-1	27





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Operator : SJ/JU
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Misc :
ALS Vial : 3 Sample Multiplier: 1

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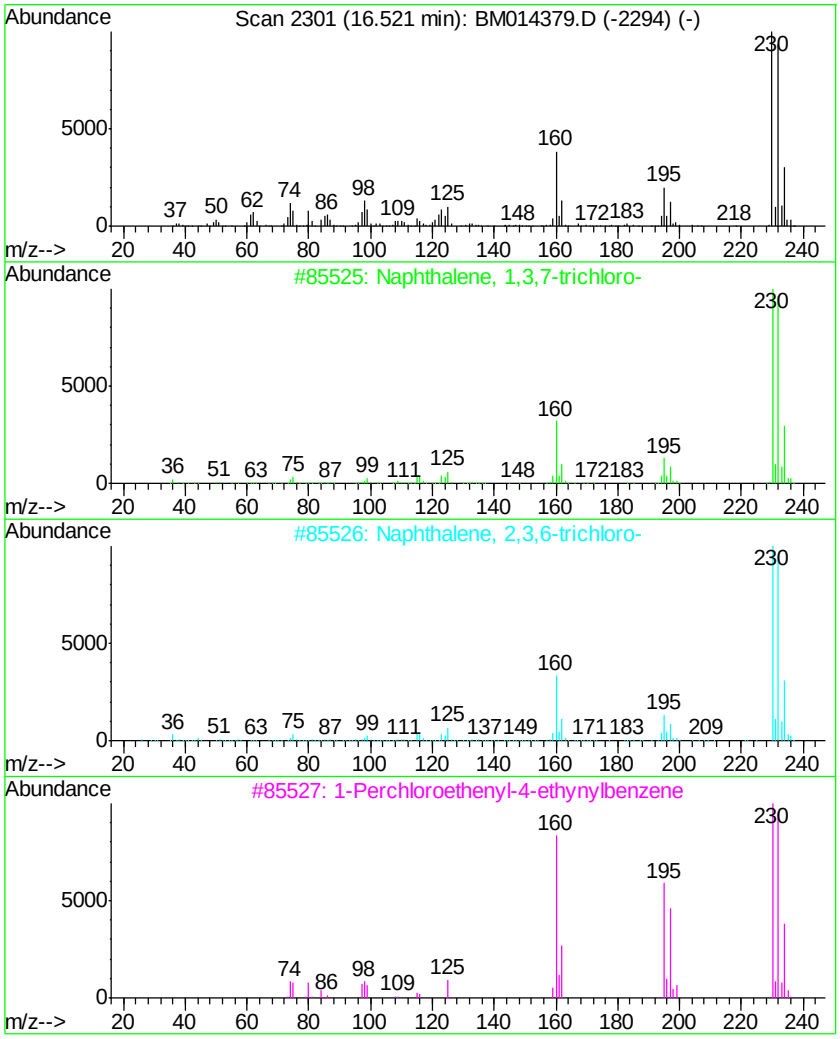
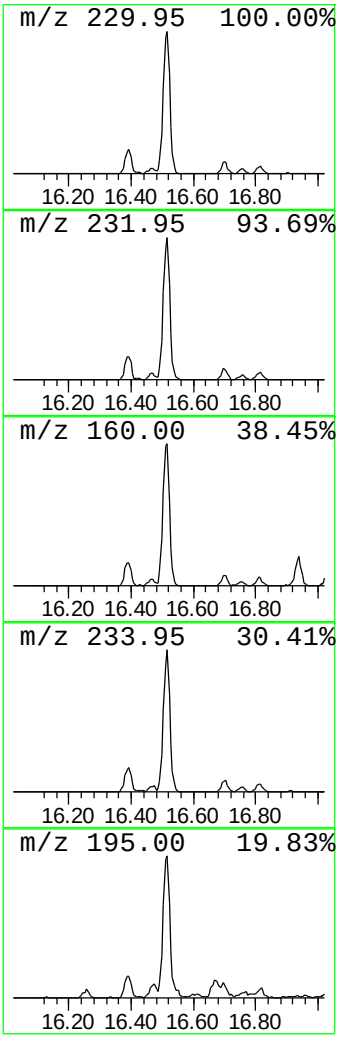
Peak Number 13 Naphthalene, 1,3,7-trichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	56.57 ng/ul	4124390	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	98
2	Naphthalene, 2,3,6-trichloro-	230	C10H5Cl3	055720-40-6	98
3	1-Perchloroethenyl-4-ethynylbenzene	230	C10H5Cl3	1000283-76-9	87
4	Acenaphthylene, 1-bromo-	230	C12H7Br	054736-49-1	58
5	Benzenealdehyde, 2-bromo-5-hydro...	230	C8H7BrO3	002973-59-3	50





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ALS Vial : 3 Sample Multiplier: 1

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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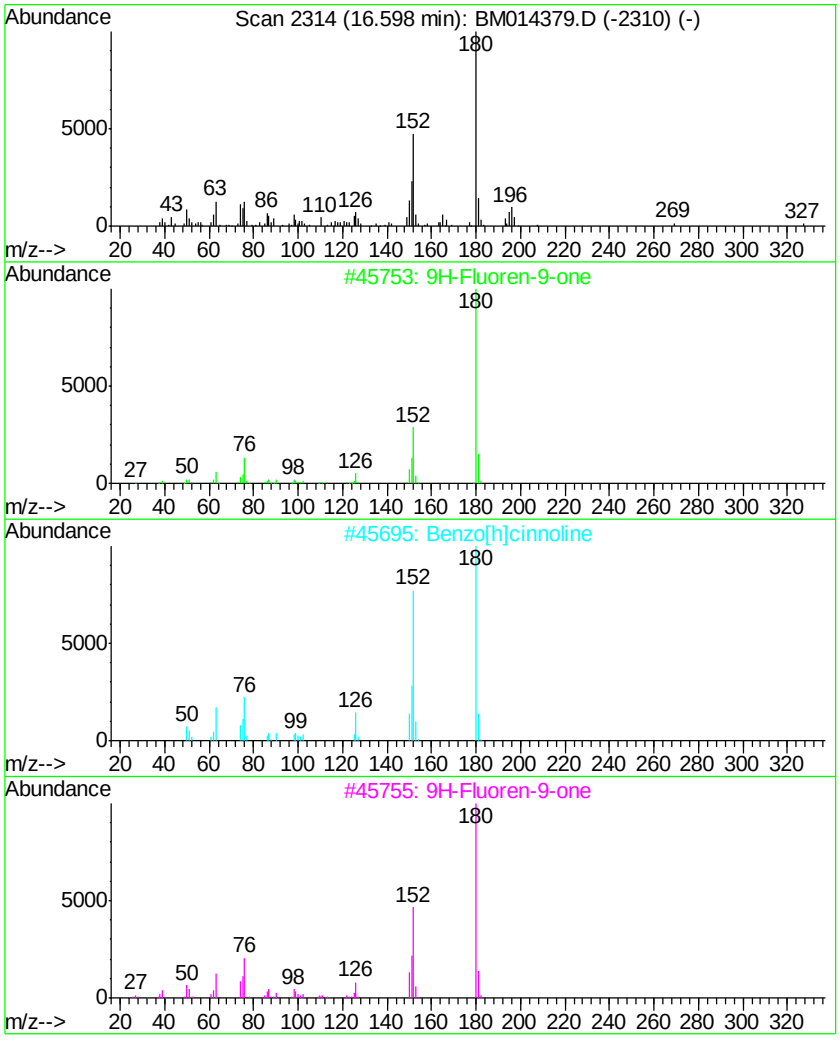
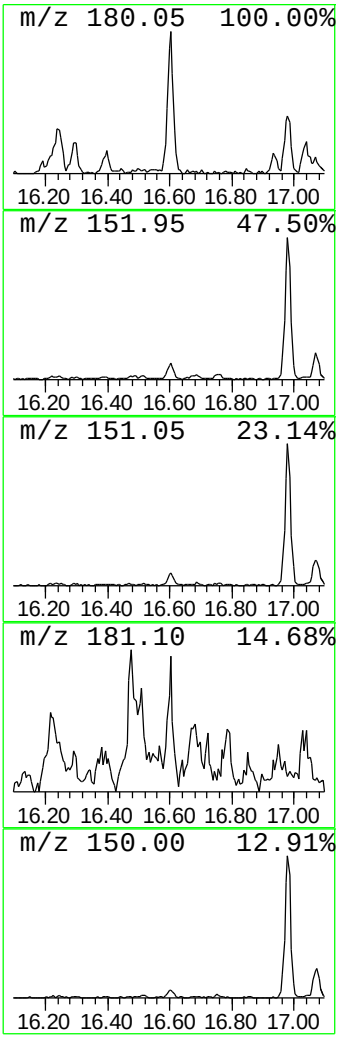
Peak Number 14 9H-Fluoren-9-one Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	2.52 ng/ul	183645	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	59
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	59





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Quant Title : SVOA CALIBRATION

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

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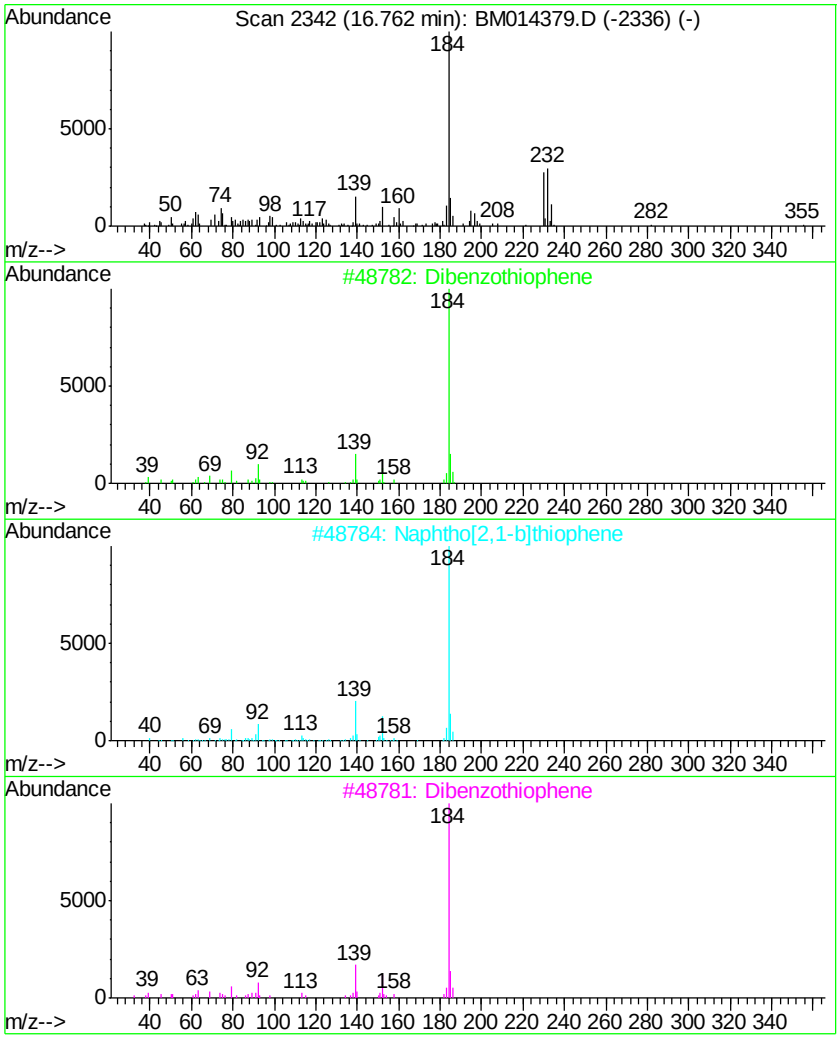
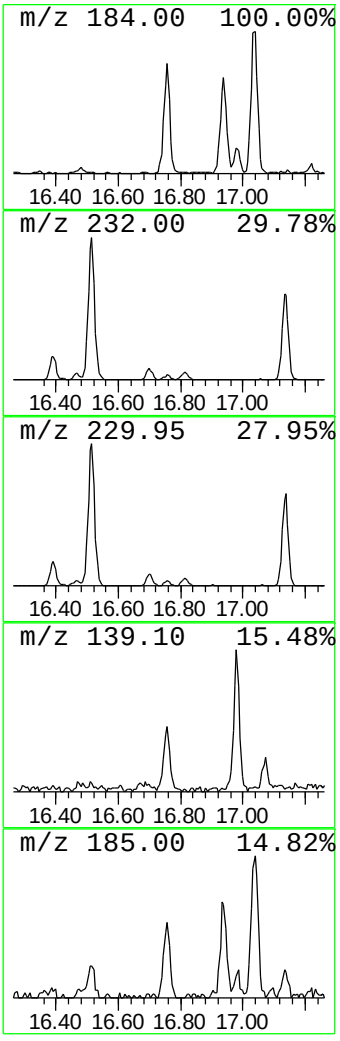
Peak Number 16 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	5.15 ng/ul	375269	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	91
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	83
3	Dibenzothiophene	184	C12H8S	000132-65-0	83
4	Dibenzothiophene	184	C12H8S	000132-65-0	78
5	Thianthrene, 5-oxide	232	C12H8OS2	002362-50-7	72





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Quant Title : SVOA CALIBRATION

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

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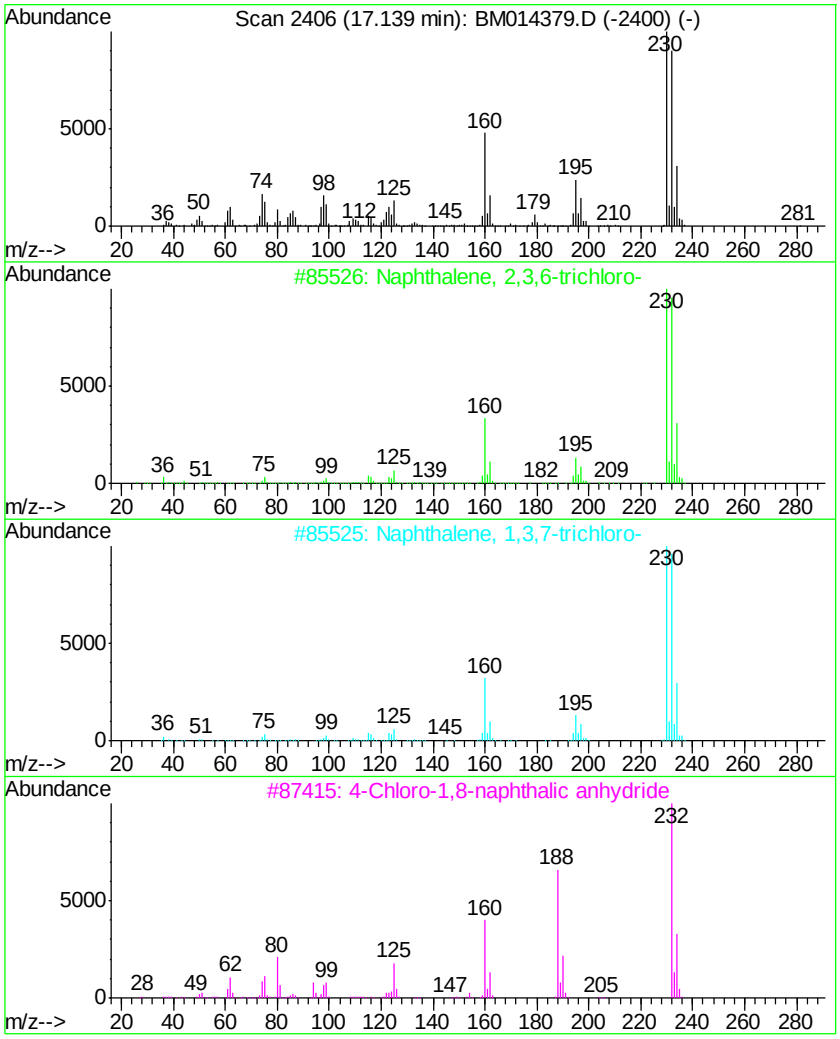
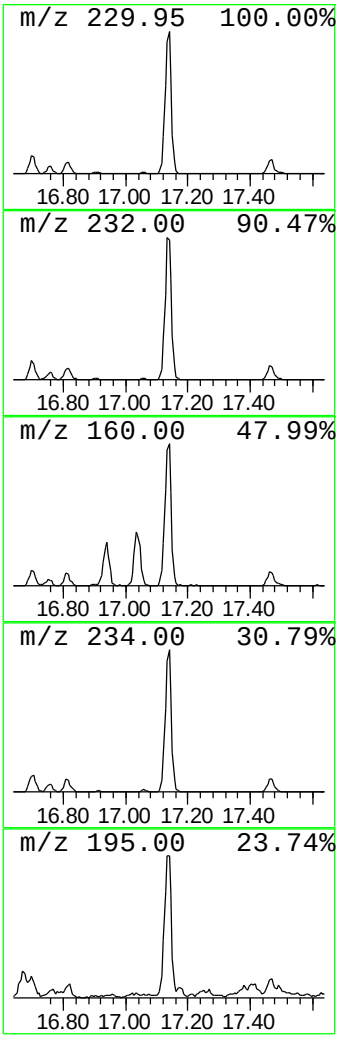
Peak Number 18 Naphthalene, 2,3,6-trichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	36.69 ng/ul	2675110	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trichloro-	230	C10H5Cl3	055720-40-6	99
2	Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	98
3	4-Chloro-1,8-naphthalic anhydride	232	C12H5ClO3	004053-08-1	70
4	Acenaphthylene, 1-bromo-	230	C12H7Br	054736-49-1	49
5	1-Perchloroethenyl-4-ethynylbenzene	230	C10H5Cl3	1000283-76-9	47





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Quant Title : SVOA CALIBRATION

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

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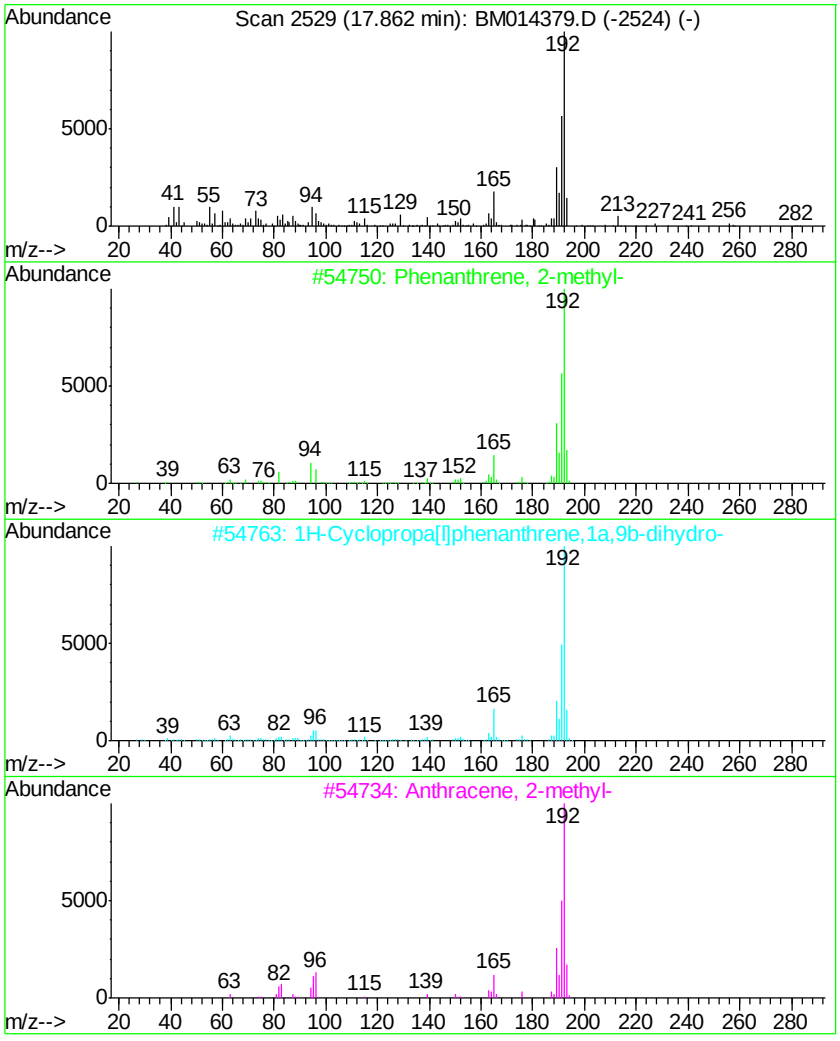
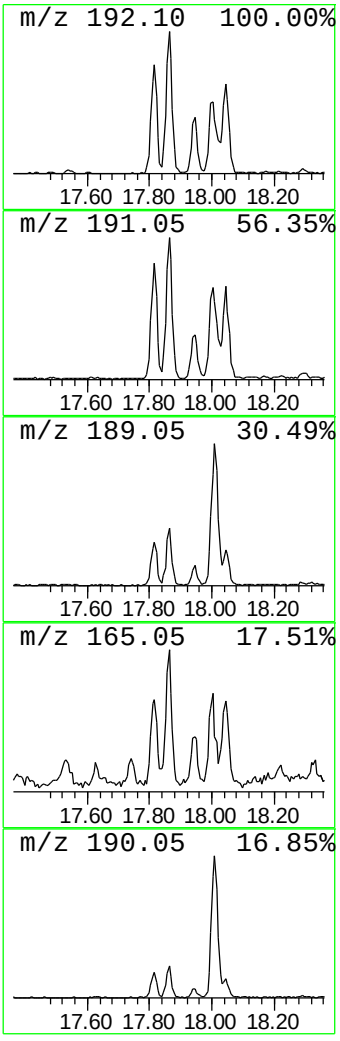
Peak Number 22 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	25.59 ng/ul	1865310	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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Quant Title : SVOA CALIBRATION

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

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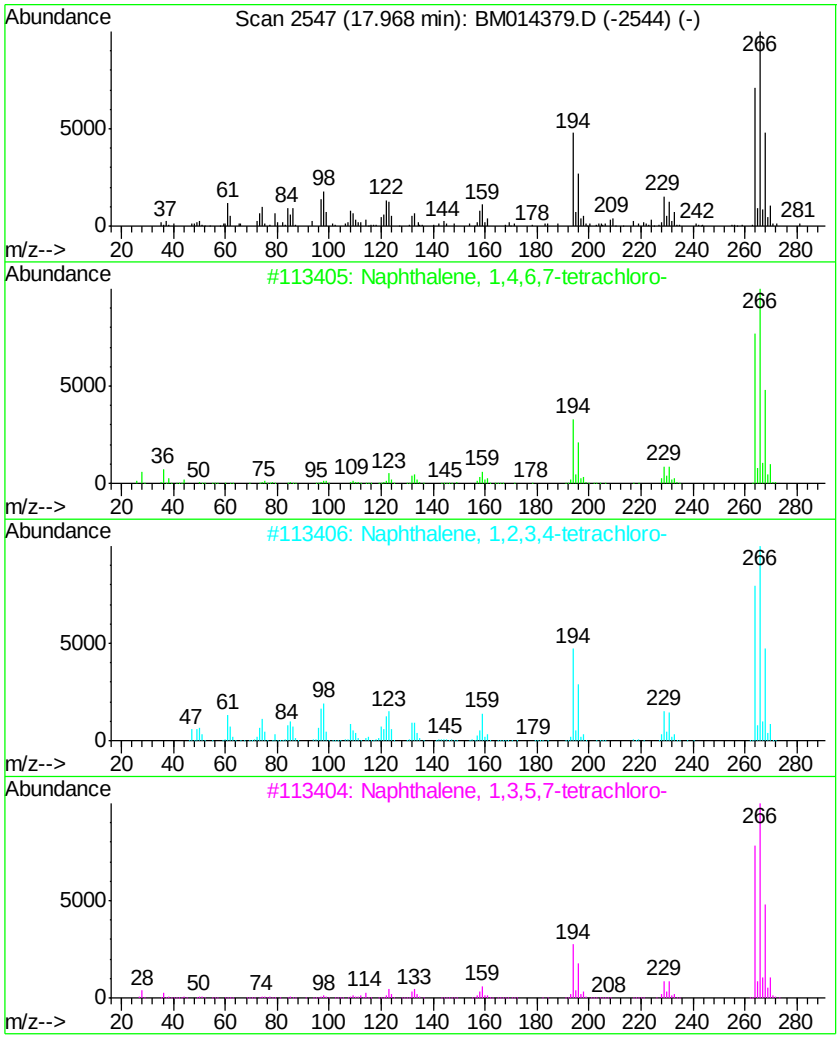
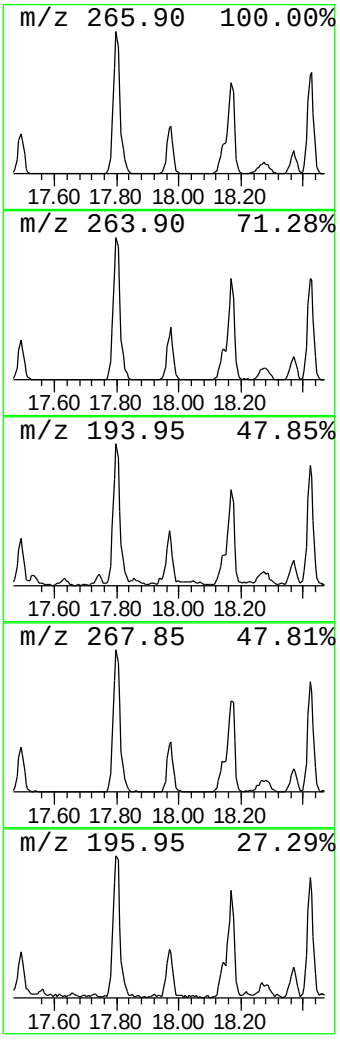
Peak Number 23 Naphthalene, 1,4,6,7-tetrac... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	8.89 ng/ul	648177	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6,7-tetrachloro-	264	C10H4Cl4	055720-43-9	98
2	Naphthalene, 1,2,3,4-tetrachloro-	264	C10H4Cl4	020020-02-4	97
3	Naphthalene, 1,3,5,7-tetrachloro-	264	C10H4Cl4	053555-64-9	96
4	Tetrachloroterephthalonitrile	264	C8Cl4N2	001897-41-2	96
5	Naphthalene, 1,2,3,4-tetrachloro-	264	C10H4Cl4	020020-02-4	95





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Data File : BM014379.D
Acq On : 27 Feb 2018 13:00
Operator : SJ/JU
Sample : J1631-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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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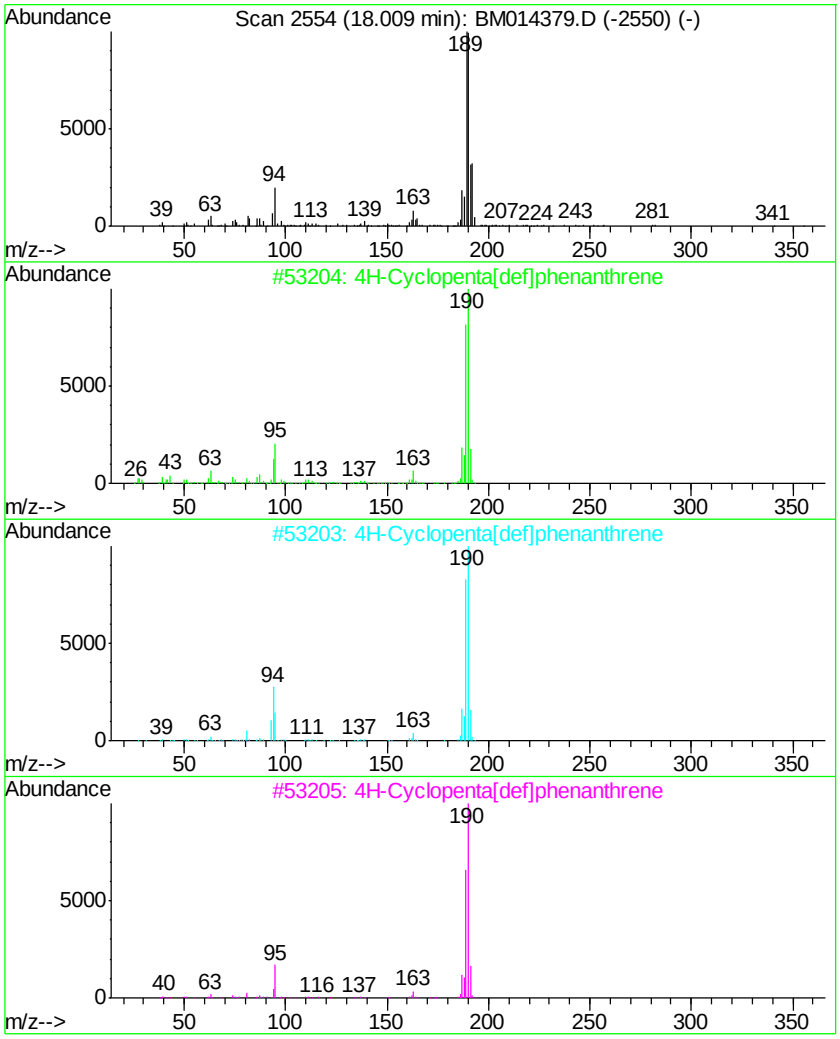
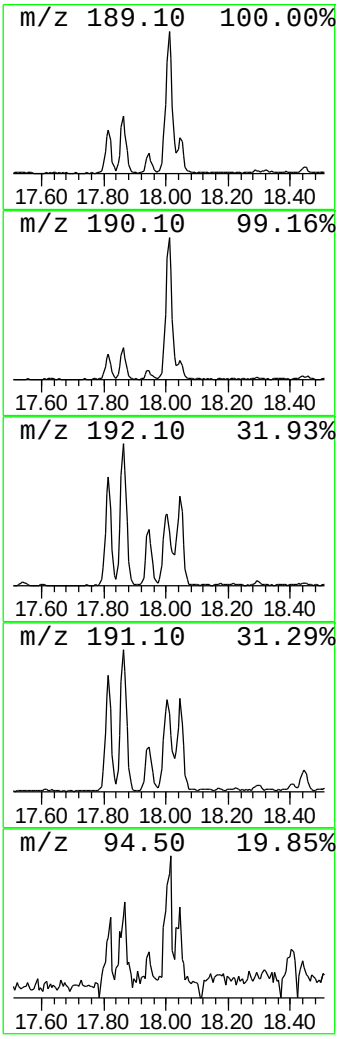
Peak Number 24 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	14.00 ng/ul	1020950	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





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Acq On : 27 Feb 2018 13:00
Operator : SJ/JU
Sample : J1631-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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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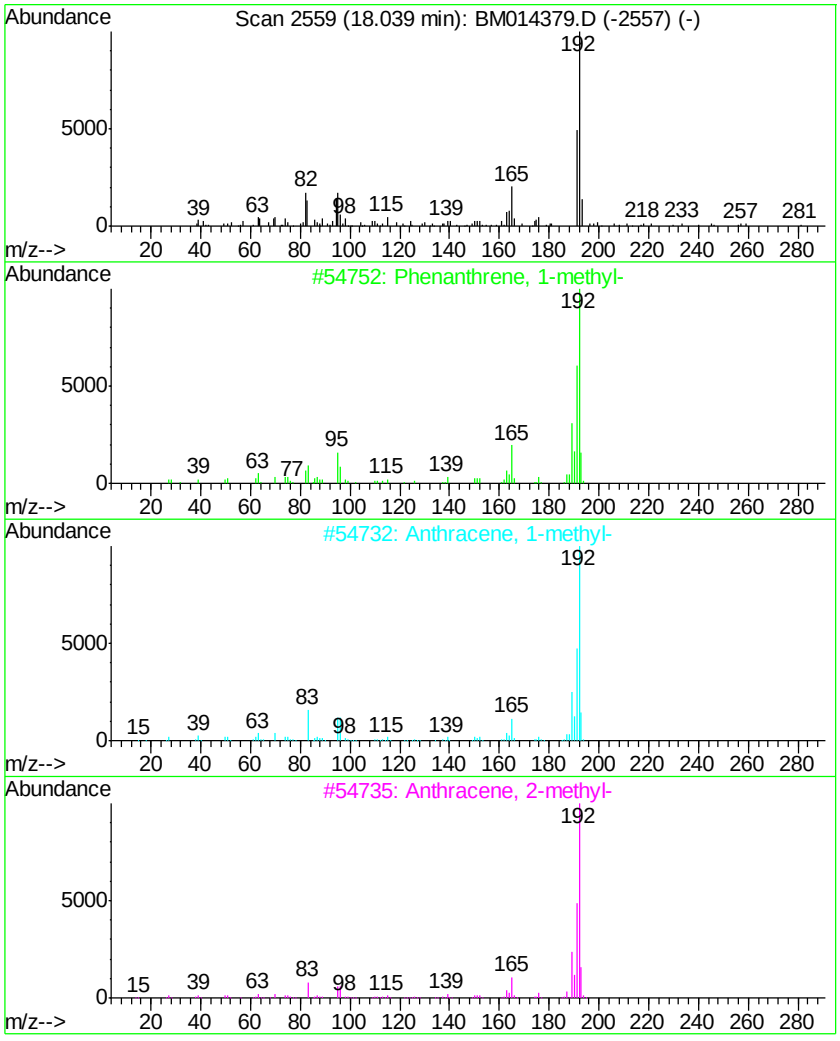
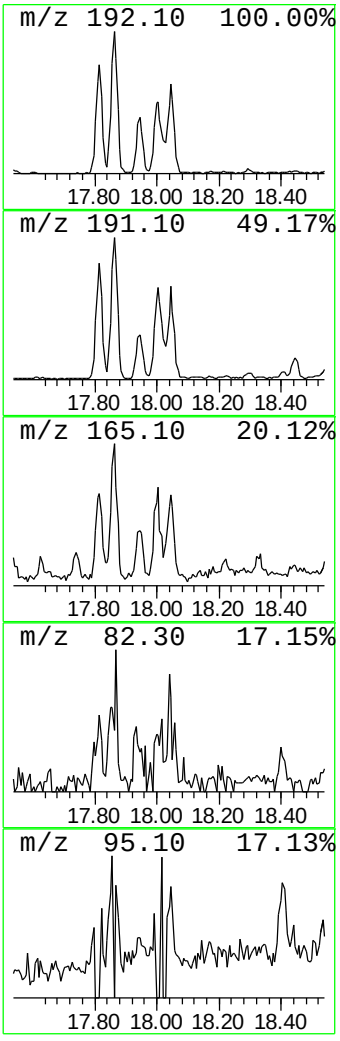
Peak Number 25 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	6.65 ng/ul	484882	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Library Search Compound Report

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Data File : BM014379.D
Acq On : 27 Feb 2018 13:00
Operator : SJ/JU
Sample : J1631-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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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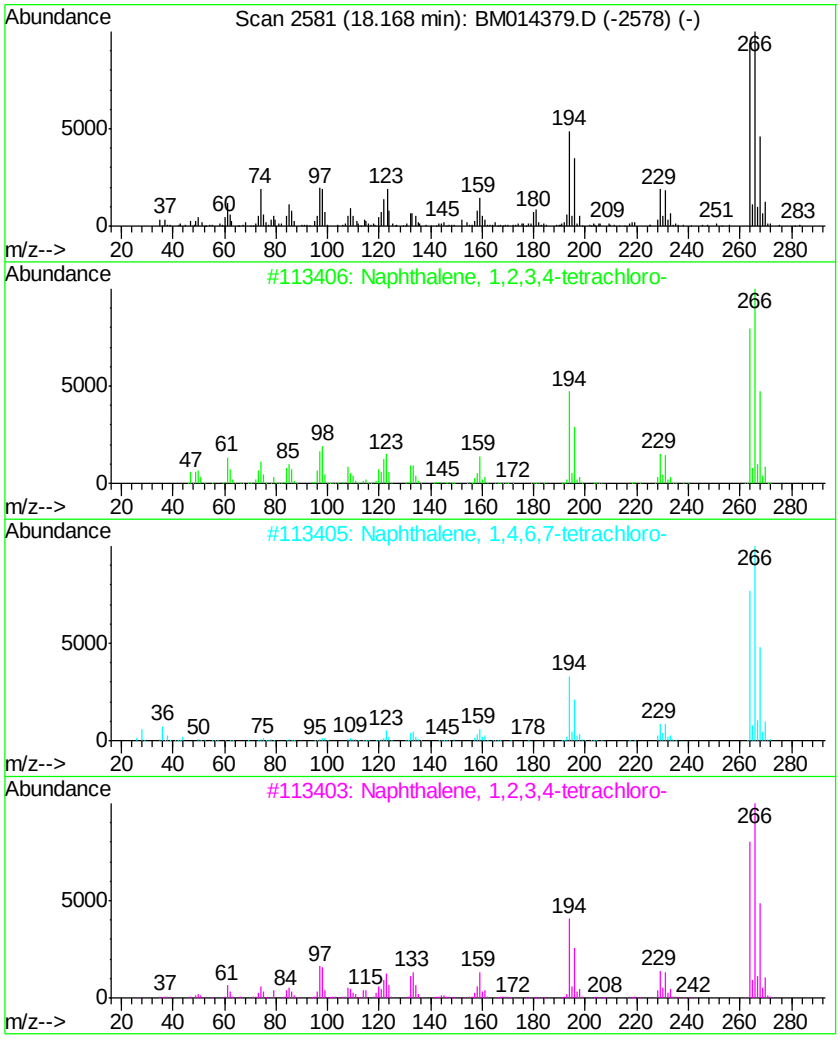
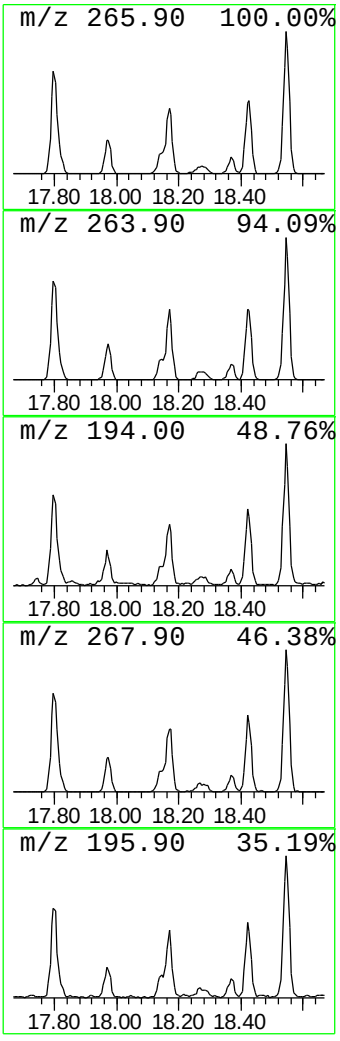
Peak Number 27 Naphthalene, 1,2,3,4-tetrac... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	14.26 ng/ul	1039770	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrachloro-	264	C10H4Cl4	020020-02-4	97
2	Naphthalene, 1,4,6,7-tetrachloro-	264	C10H4Cl4	055720-43-9	97
3	Naphthalene, 1,2,3,4-tetrachloro-	264	C10H4Cl4	020020-02-4	95
4	Naphthalene, 1,2,3,4-tetrachloro-	264	C10H4Cl4	020020-02-4	95
5	Naphthalene, 1,3,5,7-tetrachloro-	264	C10H4Cl4	053555-64-9	93





Library Search Compound Report

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Data File : BM014379.D
Acq On : 27 Feb 2018 13:00
Operator : SJ/JU
Sample : J1631-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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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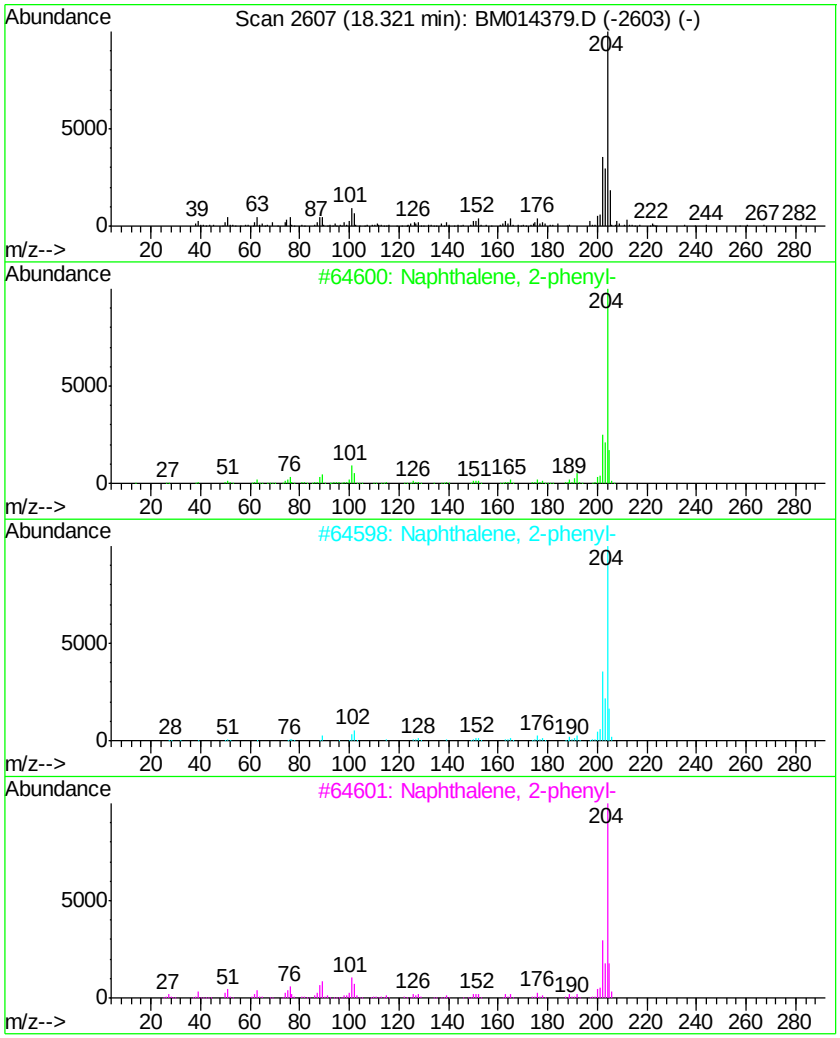
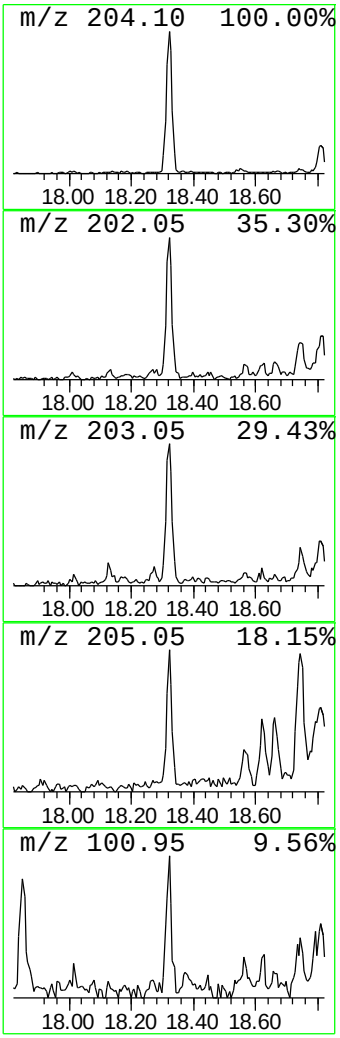
Peak Number 29 Naphthalene, 2-phenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	4.78 ng/ul	348778	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
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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Data File : BM014379.D
Acq On : 27 Feb 2018 13:00
Operator : SJ/JU
Sample : J1631-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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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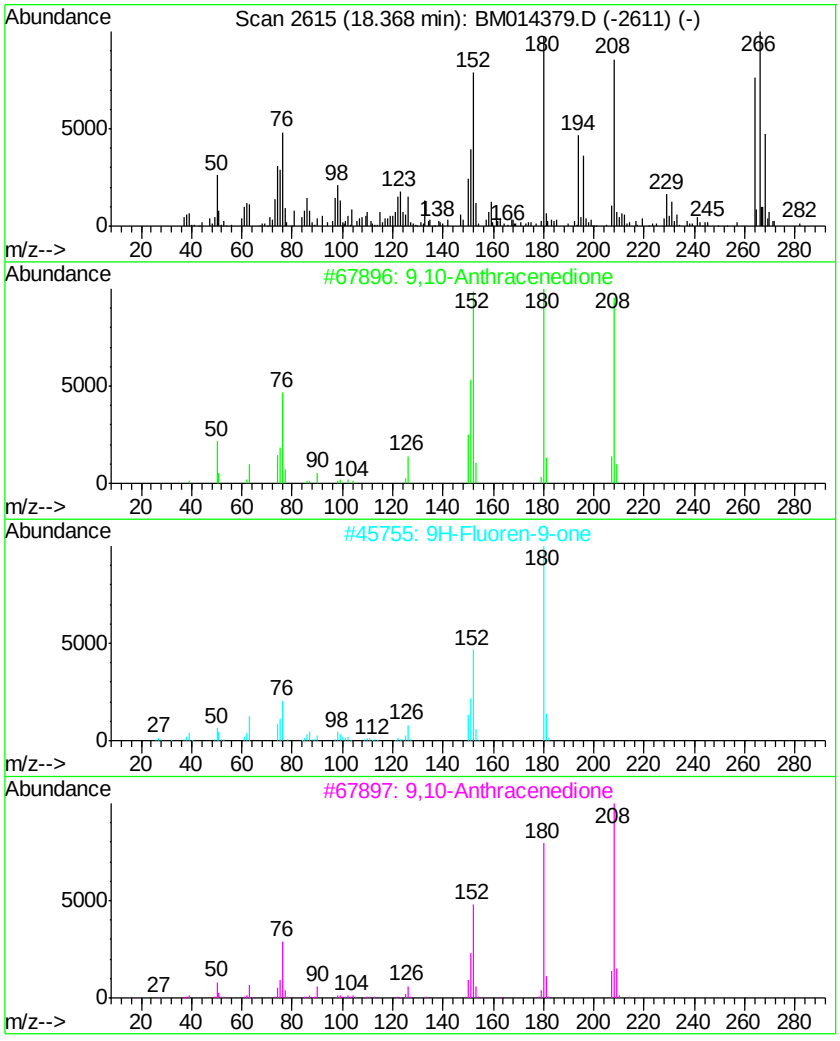
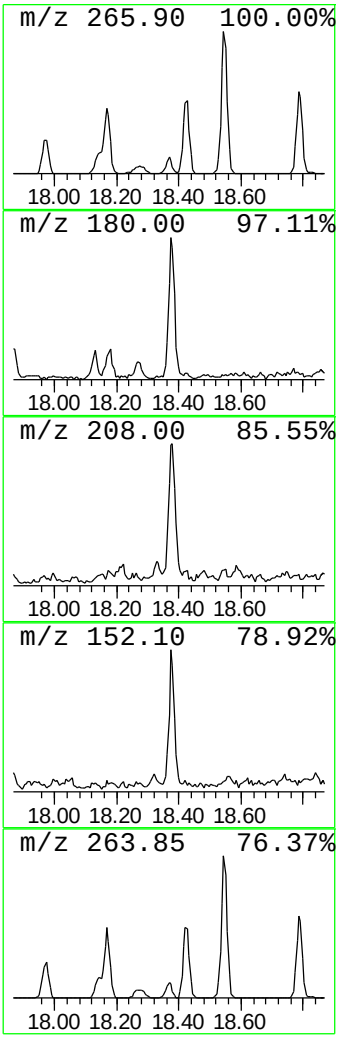
Peak Number 30 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	8.31 ng/ul	605994	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	58
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022718\
Data File : BM014379.D
Acq On : 27 Feb 2018 13:00
Operator : SJ/JU
Sample : J1631-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y6

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
unknown-01	4.67	3.8	ng/ul	126680	1	7.52	664716	20.0
Bicyclo[2.2.1]hep...	9.70	3.9	ng/ul	183943	2	10.29	951648	20.0
unknown-02	11.84	3.3	ng/ul	155684	2	10.29	951648	20.0
Tridecane, 1-iodo-	14.08	2.5	ng/ul	154028	3	14.17	1222280	20.0
Naphthalene, 2,3-...	14.99	3.0	ng/ul	184432	3	14.17	1222280	20.0
(DEL) Alkane: Str...	15.04	3.3	ng/ul	202701	3	14.17	1222280	20.0
[1,1'-Biphenyl]-4...	15.53	2.7	ng/ul	164899	3	14.17	1222280	20.0
6H-Dibenzo[b,d]-p...	15.68	2.8	ng/ul	203587	4	16.94	1458130	20.0
(DEL) Alkane: Str...	15.91	3.8	ng/ul	276670	4	16.94	1458130	20.0
9H-Fluorene, 9-me...	16.24	3.1	ng/ul	226251	4	16.94	1458130	20.0
1-Perchloroetheny...	16.47	3.7	ng/ul	267497	4	16.94	1458130	20.0
Naphthalene, 1,3,...	16.52	56.6	ng/ul	4124390	4	16.94	1458130	20.0
9H-Fluoren-9-one	16.60	2.5	ng/ul	183645	4	16.94	1458130	20.0
Dibenzothiophene	16.76	5.2	ng/ul	375269	4	16.94	1458130	20.0
Naphthalene, 2,3,...	17.14	36.7	ng/ul	2675110	4	16.94	1458130	20.0
Phenanthrene, 2-m...	17.86	25.6	ng/ul	1865310	4	16.94	1458130	20.0
Naphthalene, 1,4,...	17.97	8.9	ng/ul	648177	4	16.94	1458130	20.0
4H-Cyclopenta[def...	18.01	14.0	ng/ul	1020950	4	16.94	1458130	20.0
Phenanthrene, 1-m...	18.04	6.7	ng/ul	484882	4	16.94	1458130	20.0
Naphthalene, 1,2,...	18.17	14.3	ng/ul	1039770	4	16.94	1458130	20.0
Naphthalene, 2-ph...	18.32	4.8	ng/ul	348778	4	16.94	1458130	20.0
9,10-Anthracenedione	18.37	8.3	ng/ul	605994	4	16.94	1458130	20.0