LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052516\
Data File : BM005647.D
Acq On : 25 May 2016 21:14
Operator : UM/SJ
Sample : H3086-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

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\SOM02.2-EPA-BM052016.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	5.775	537	542	553	rBV	67864	126140	1.96%	0.152%
2	6.975	740	746	758	rVB	345136	604060	9.39%	0.729%
3	7.116	764	770	776	rBV	270043	425844	6.62%	0.514%
4	7.322	799	805	817	rBV	357116	599988	9.33%	0.724%
5	7.439	820	825	835	rBV2	56417	108105	1.68%	0.130%
6	7.786	873	884	892	rBV	380173	639072	9.94%	0.771%
7	8.322	967	975	988	rBV	134830	276891	4.31%	0.334%
8	8.504	1000	1006	1014	rBV	453212	770254	11.98%	0.930%
9	8.945	1074	1081	1089	rBV	351607	605671	9.42%	0.731%
10	9.663	1197	1203	1213	rBV	309390	535223	8.32%	0.646%
11	10.010	1253	1262	1269	rBV6	30537	77487	1.21%	0.094%
12	10.210	1290	1296	1305	rBV	495471	868175	13.50%	1.048%
13	10.580	1346	1359	1365	rBV	607072	1128267	17.55%	1.362%
14	10.716	1372	1382	1392	rBV	283116	552089	8.59%	0.666%
15	11.598	1526	1532	1540	rBV3	25141	66453	1.03%	0.080%
16	12.086	1603	1615	1621	rBV3	58248	162570	2.53%	0.196%
17	12.951	1758	1762	1767	rVB	55115	78865	1.23%	0.095%
18	13.239	1801	1811	1819	rBV5	52433	151945	2.36%	0.183%
19	13.745	1892	1897	1902	rBV3	46692	85271	1.33%	0.103%
20	13.839	1903	1913	1917	rBV	871362	1350690	21.01%	1.630%
21	13.880	1917	1920	1928	rVB2	309770	570924	8.88%	0.689%
22	14.121	1954	1961	1963	rBV	1065370	1753951	27.28%	2.117%
23	14.151	1963	1966	1974	rVV	1512053	2333065	36.29%	2.816%
24	14.215	1974	1977	1981	rVV3	56329	80594	1.25%	0.097%
25	14.315	1988	1994	1998	rBV2	170550	291046	4.53%	0.351%
26	14.427	2003	2013	2019	rVV2	949341	1651788	25.69%	1.993%
27	14.486	2019	2023	2031	rVB2	118064	221896	3.45%	0.268%
28	14.627	2042	2047	2050	rBV	261759	420344	6.54%	0.507%
29	14.662	2050	2053	2060	rVV	322558	500206	7.78%	0.604%
30	14.727	2061	2064	2071	rVB5	31569	65432	1.02%	0.079%
31	15.033	2110	2116	2124	rBV5	69712	203689	3.17%	0.246%
32	15.209	2140	2146	2150	rBV5	108701	192191	2.99%	0.232%
33	15.268	2153	2156	2159	rVV	133019	184678	2.87%	0.223%
34	15.298	2159	2161	2166	rVB	83642	110751	1.72%	0.134%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052516\
Data File : BM005647.D
Acq On : 25 May 2016 21:14
Operator : UM/SJ
Sample : H3086-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

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\SOM02.2-EPA-BM052016.M
Title : SVOA CALIBRATION

35	15.421	2176	2182	2187	rBV	1383328	1994081	31.01%	2.407%
36	15.474	2187	2191	2200	rVB2	99395	230933	3.59%	0.279%
37	15.557	2200	2205	2209	rBV	280146	407496	6.34%	0.492%
38	15.674	2221	2225	2236	rVB2	187597	364604	5.67%	0.440%
39	16.156	2299	2307	2312	rBV2	636072	1256107	19.54%	1.516%
40	16.286	2325	2329	2333	rBV	78941	122737	1.91%	0.148%
41	16.921	2434	2437	2441	rVB	182110	218754	3.40%	0.264%
42	17.174	2475	2480	2484	rBV	1138639	1767431	27.49%	2.133%
43	17.215	2484	2487	2492	rVV	924808	1242477	19.32%	1.500%
44	17.274	2492	2497	2500	rVV	1398237	2136817	33.23%	2.579%
45	17.309	2500	2503	2507	rVV	893482	1150672	17.90%	1.389%
46	17.356	2507	2511	2518	rVV3	167074	308380	4.80%	0.372%
47	17.662	2559	2563	2566	rBV	228394	263554	4.10%	0.318%
48	18.045	2626	2628	2632	rBV	105814	126455	1.97%	0.153%
49	18.098	2633	2637	2642	rVB	243203	366702	5.70%	0.443%
50	18.174	2646	2650	2656	rBV	291131	425543	6.62%	0.514%
51	18.245	2657	2662	2666	rBV3	599249	1042928	16.22%	1.259%
52	18.356	2677	2681	2685	rBV	305230	417593	6.49%	0.504%
53	18.550	2710	2714	2718	rVB	241680	309980	4.82%	0.374%
54	18.733	2742	2745	2748	rBV2	158281	212652	3.31%	0.257%
55	18.962	2780	2784	2786	rBV2	338482	500076	7.78%	0.604%
56	19.115	2806	2810	2817	rVB	583965	910918	14.17%	1.099%
57	19.239	2825	2831	2836	rVB	3733126	5735673	89.21%	6.922%
58	19.333	2844	2847	2851	rBV	210591	259007	4.03%	0.313%
59	19.386	2852	2856	2860	rVV	650540	844370	13.13%	1.019%
60	19.568	2883	2887	2890	rBV2	1901653	3186742	49.56%	3.846%
61	19.609	2890	2894	2901	rVV	4203130	6429602	100.00%	7.760%
62	19.674	2901	2905	2911	rVB4	359190	634971	9.88%	0.766%
63	19.839	2929	2933	2938	rVB	513030	790071	12.29%	0.954%
64	19.927	2942	2948	2955	rBV2	436312	1183525	18.41%	1.428%
65	20.009	2960	2962	2965	rVB	258733	273614	4.26%	0.330%
66	20.097	2974	2977	2981	rVB3	1026551	1331995	20.72%	1.608%
67	20.192	2990	2993	2997	rBV	511076	638141	9.93%	0.770%
68	20.256	2998	3004	3008	rVB2	727419	1285490	19.99%	1.551%
69	20.391	3024	3027	3031	rBV	479539	606787	9.44%	0.732%
70	20.439	3032	3035	3039	rVB	426010	507634	7.90%	0.613%
71	20.844	3100	3104	3111	rBV	637684	925595	14.40%	1.117%

LSC Area Percent Report

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Data File : BM005647.D
Acq On : 25 May 2016 21:14
Operator : UM/SJ
Sample : H3086-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

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\SOM02.2-EPA-BM052016.M
Title : SVOA CALIBRATION

72	21.044	3135	3138	3142	rBV2	476278	747514	11.63%	0.902%
73	21.086	3142	3145	3150	rVV2	675113	989749	15.39%	1.195%
74	21.144	3152	3155	3161	rVB	621711	886671	13.79%	1.070%
75	21.356	3186	3191	3196	rBV2	2580555	5413800	84.20%	6.534%
76	21.403	3196	3199	3207	rVB	2818311	3846584	59.83%	4.642%
77	21.521	3216	3219	3223	rVB	511094	599886	9.33%	0.724%
78	22.980	3460	3467	3471	rBV2	2057084	5203704	80.93%	6.280%
79	23.462	3544	3549	3554	rBV	1098311	2329926	36.24%	2.812%
80	23.568	3561	3567	3575	rVB	2161708	4637146	72.12%	5.596%

Sum of corrected areas: 82858702

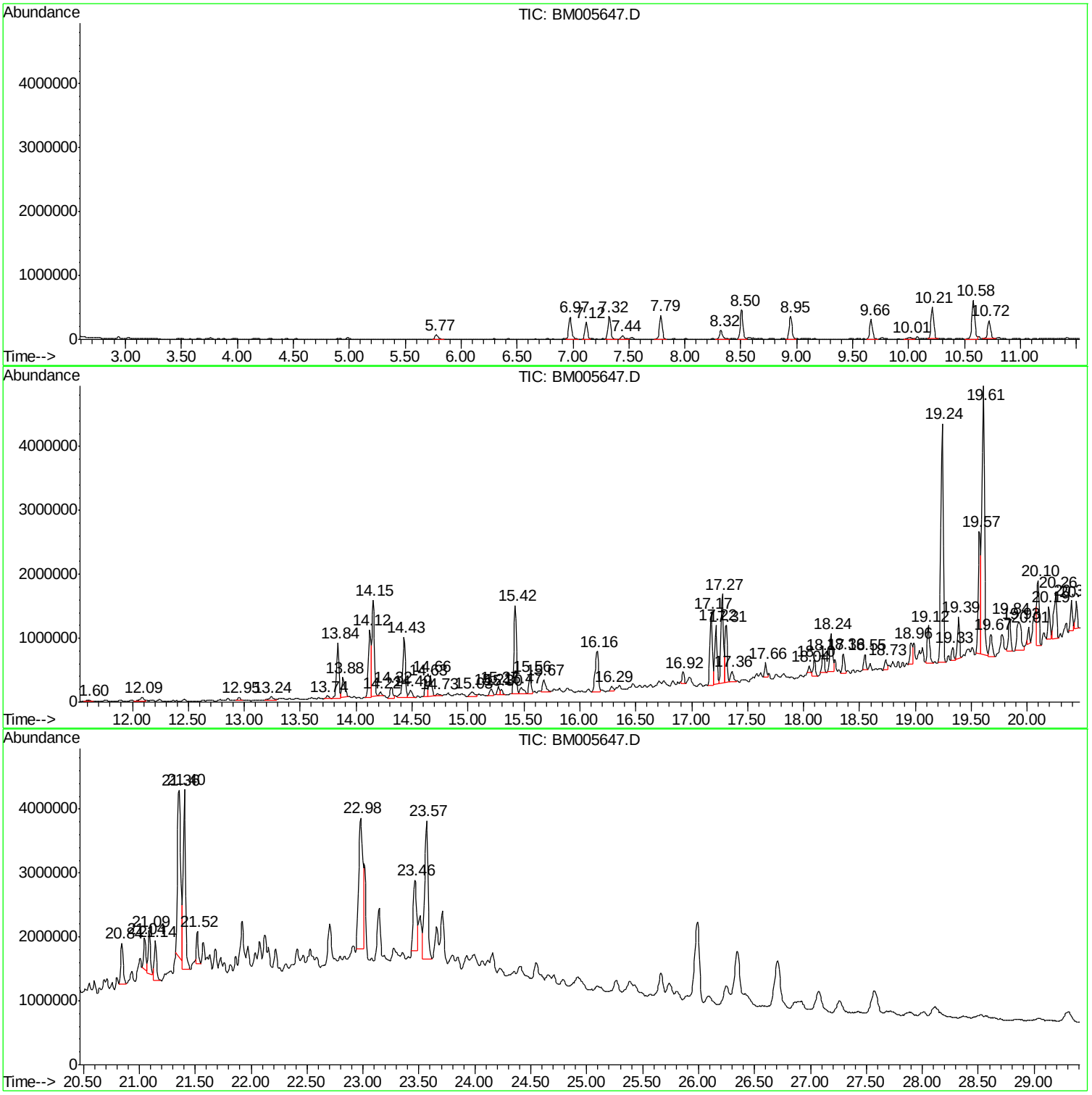
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052516\
Data File : BM005647.D
Acq On : 25 May 2016 21:14
Operator : UM/SJ
Sample : H3086-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052516\
Data File : BM005647.D
Acq On : 25 May 2016 21:14
Operator : UM/SJ
Sample : H3086-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

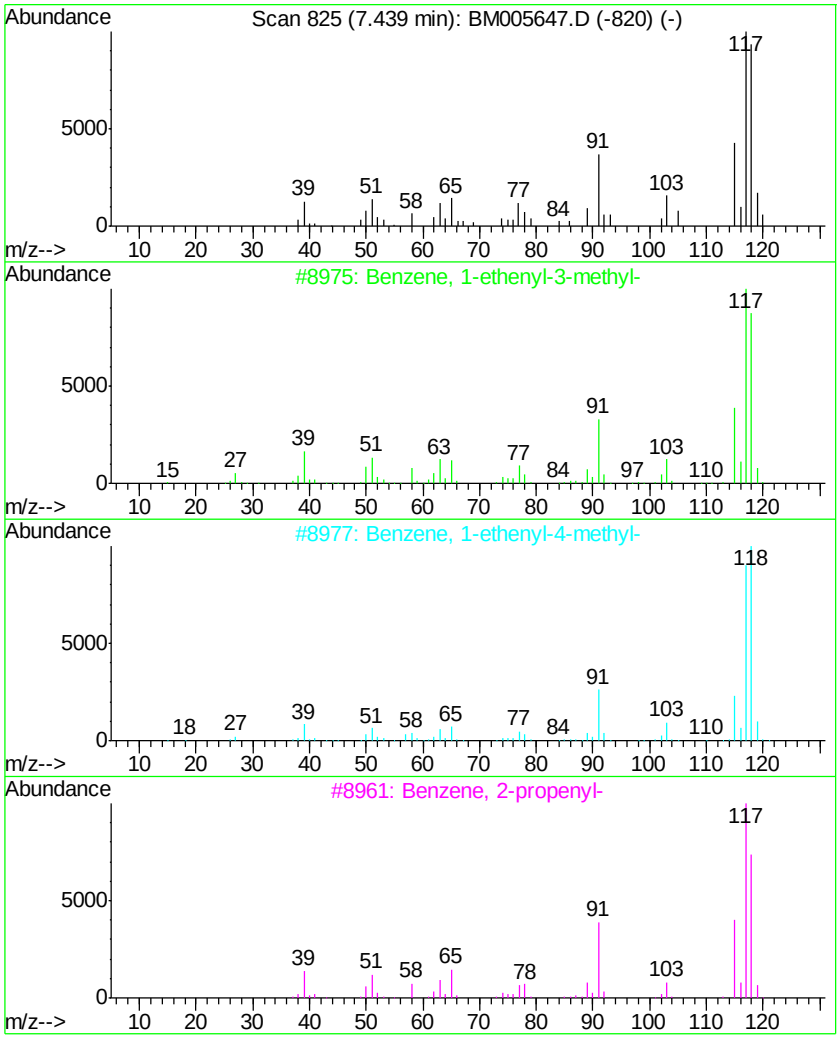
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

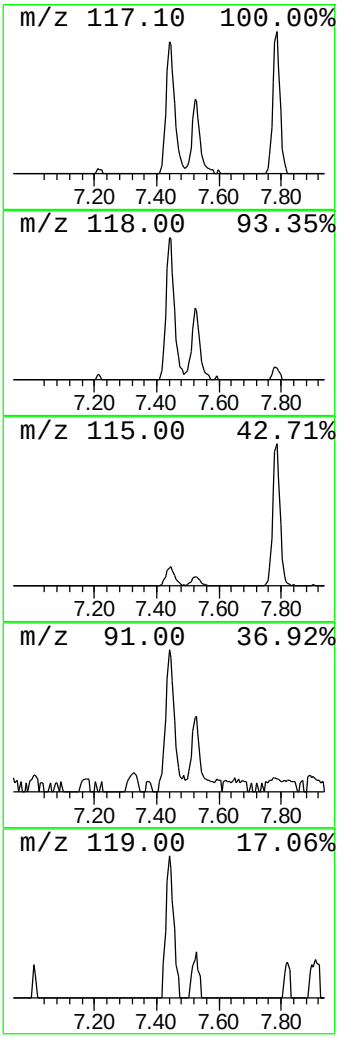
****

Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	3.38 ng/ul	108105	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	94
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	91
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	90





Data Path : Z:\HPCHEM1\BNA M\DATA\BM052516\
Data File : BM005647.D
Acq On : 25 May 2016 21:14
Operator : UM/SJ
Sample : H3086-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

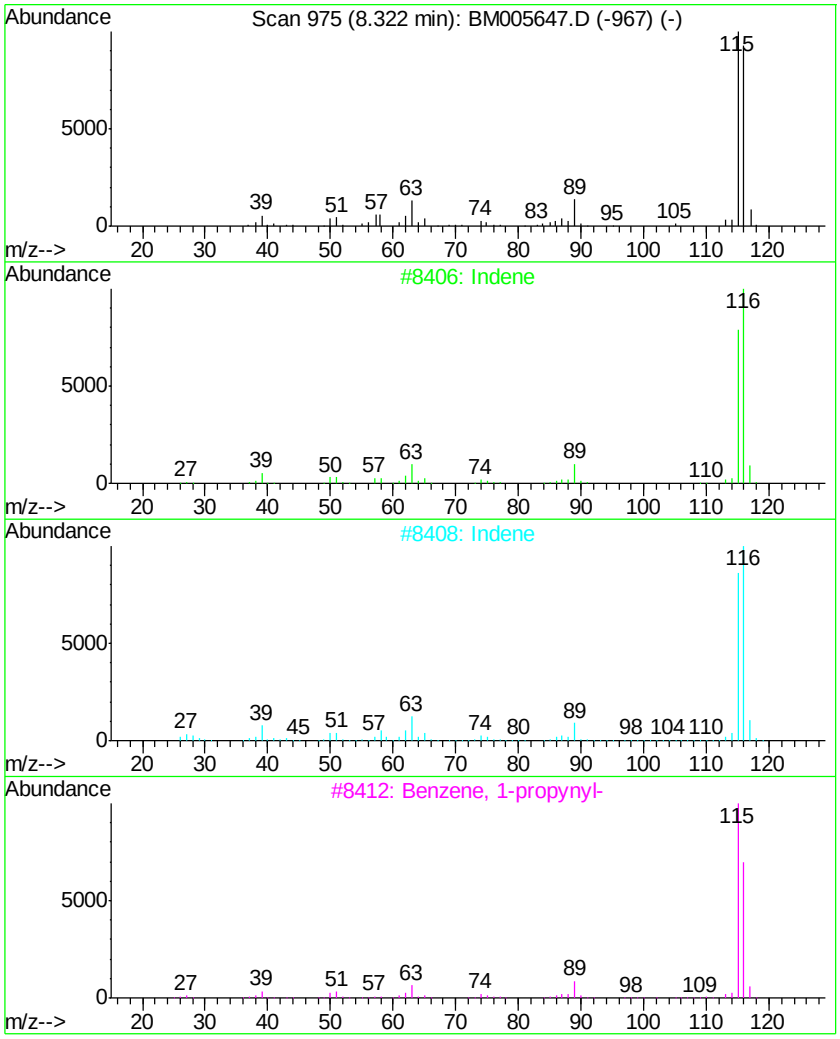
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

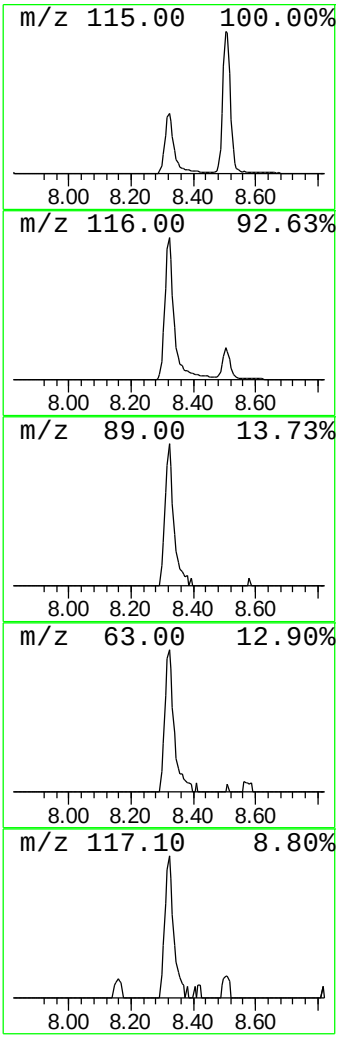
****

Peak Number 3 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	8.67 ng/ul	276891	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052516\
Data File : BM005647.D
Acq On : 25 May 2016 21:14
Operator : UM/SJ
Sample : H3086-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

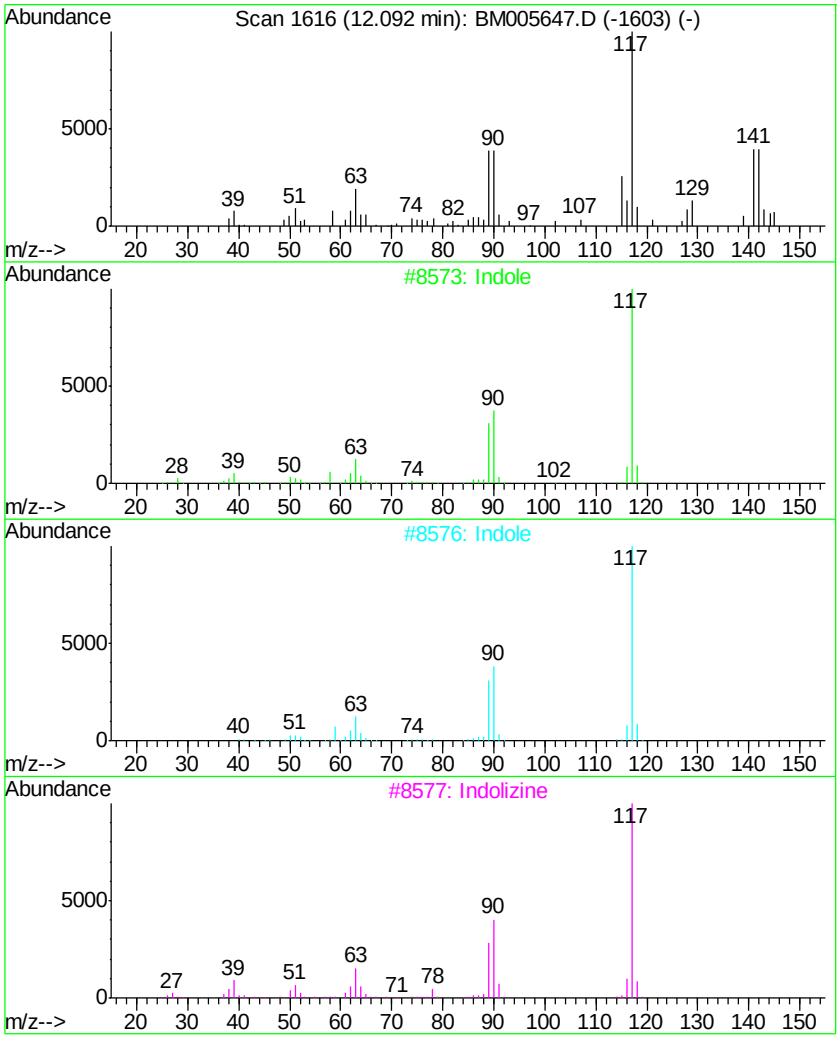
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

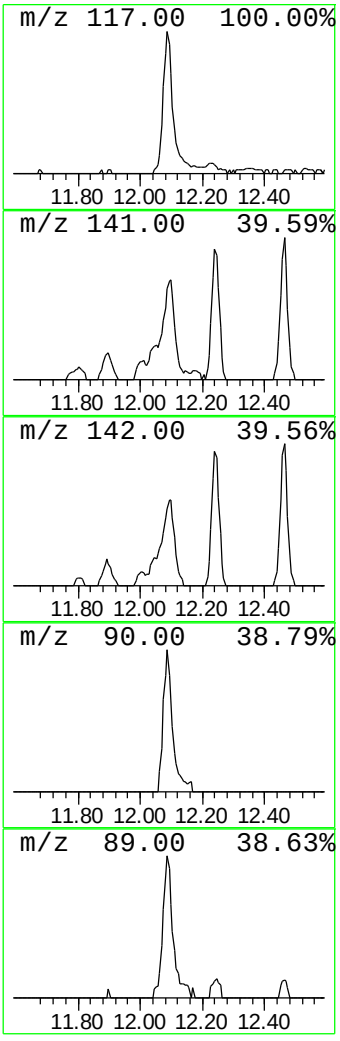
****

Peak Number 4 Indole Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	2.88 ng/ul	162570	Naphthalene-d8	10.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole	117	C8H7N	000120-72-9	93
2	Indole	117	C8H7N	000120-72-9	93
3	Indolizine	117	C8H7N	000274-40-8	76
4	Indole	117	C8H7N	000120-72-9	64
5	Indole	117	C8H7N	000120-72-9	64





Data Path : Z:\HPCHEM1\BNA M\DATA\BM052516\
Data File : BM005647.D
Acq On : 25 May 2016 21:14
Operator : UM/SJ
Sample : H3086-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

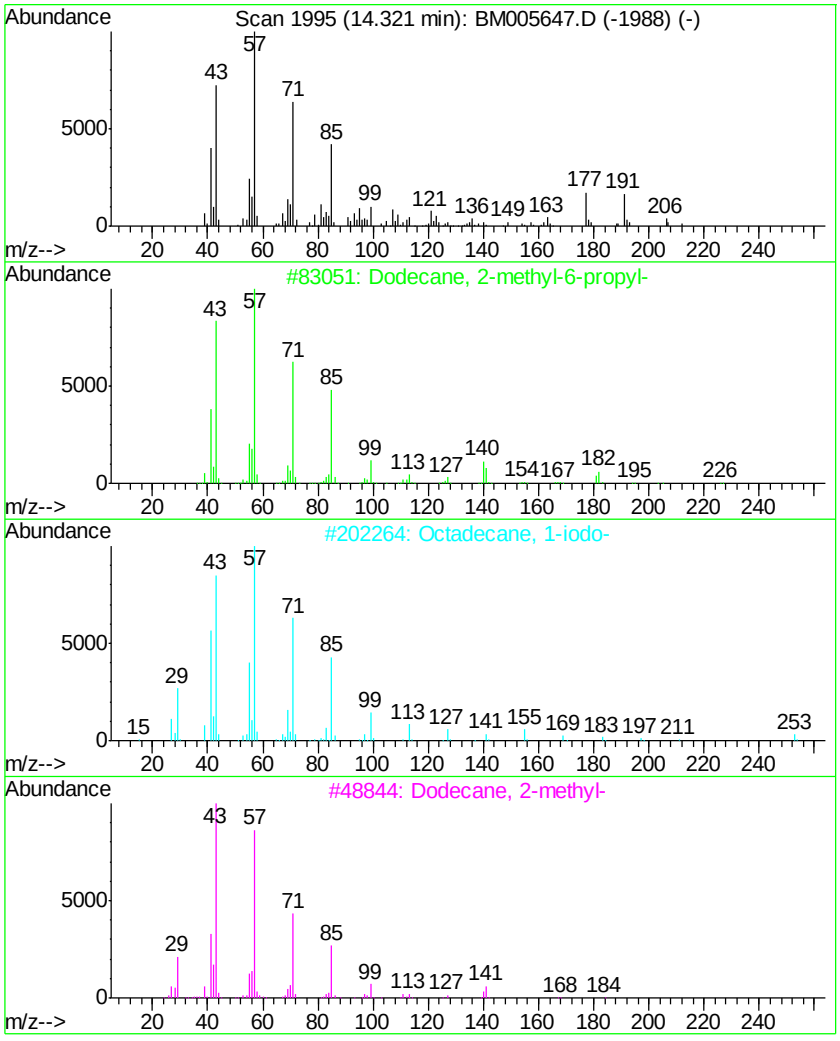
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

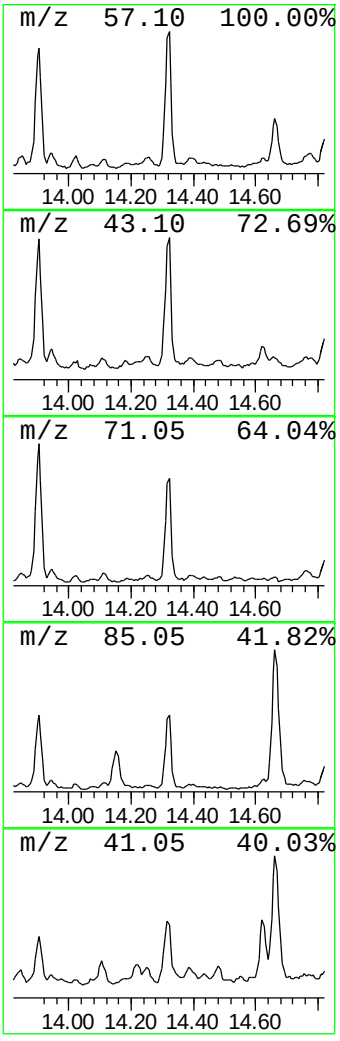
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	3.52 ng/ul	291046	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	43
2	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	43
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	43
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	43
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052516\
Data File : BM005647.D
Acq On : 25 May 2016 21:14
Operator : UM/SJ
Sample : H3086-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

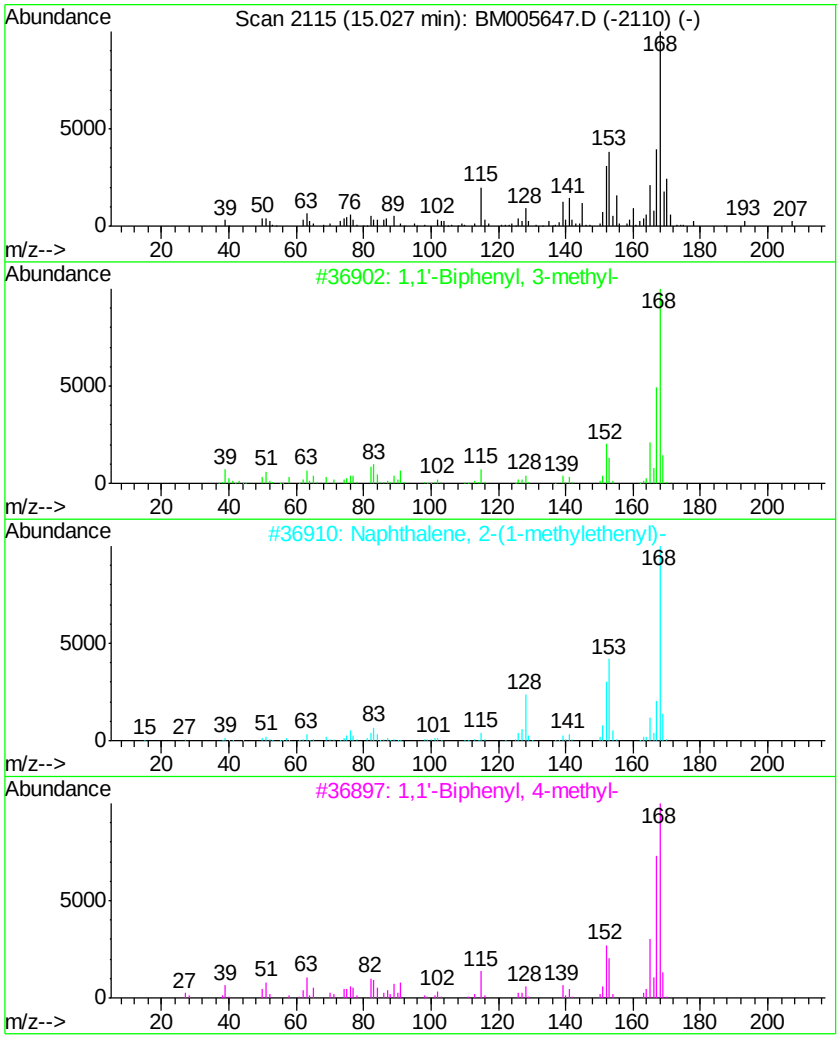
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

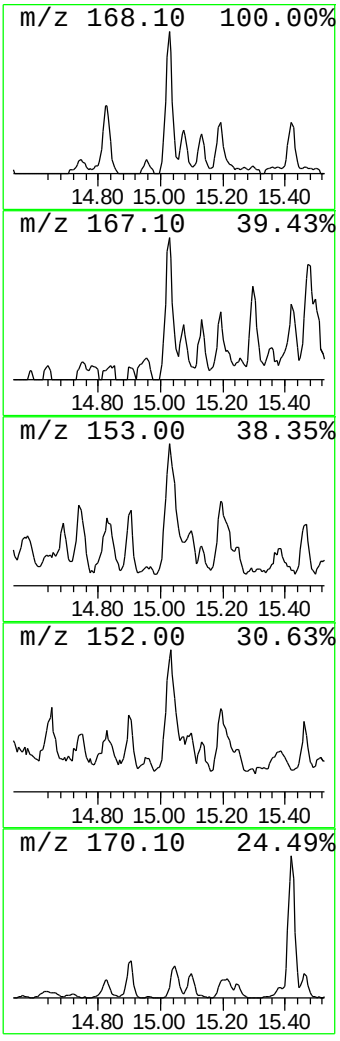
****

Peak Number 6 1,1'-Biphenyl, 3-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	2.47 ng/ul	203689	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	87
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	49
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	46
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	45
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052516\
Data File : BM005647.D
Acq On : 25 May 2016 21:14
Operator : UM/SJ
Sample : H3086-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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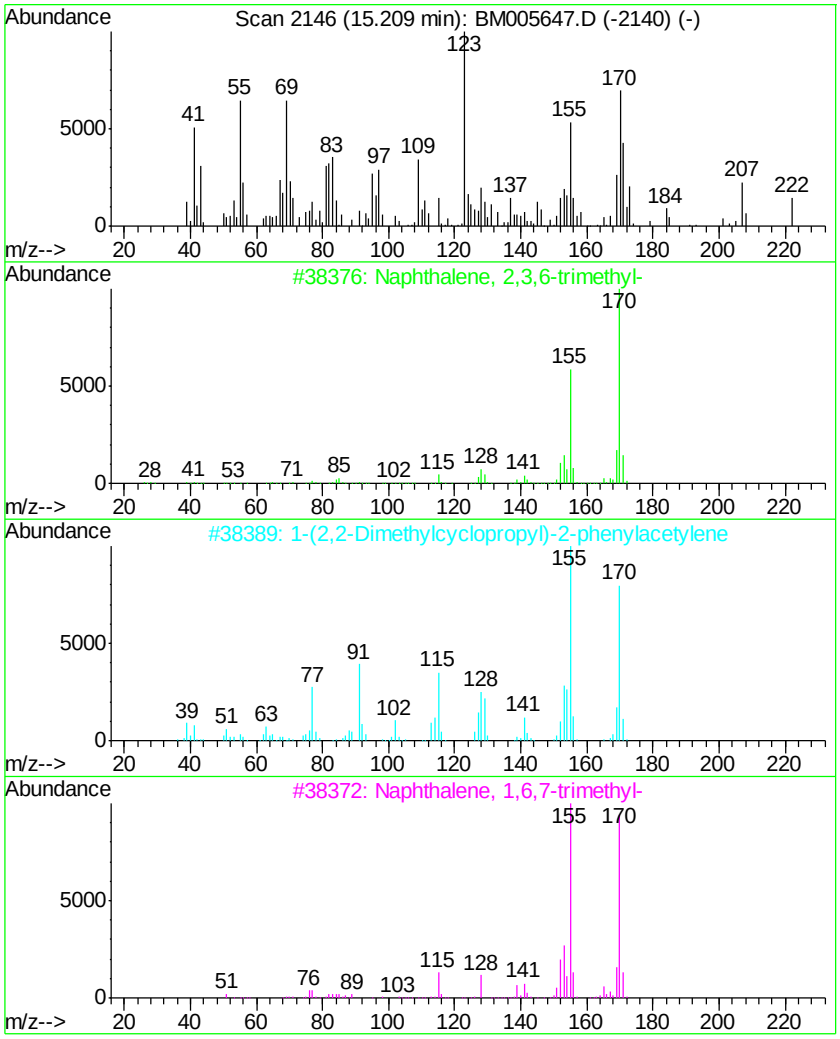
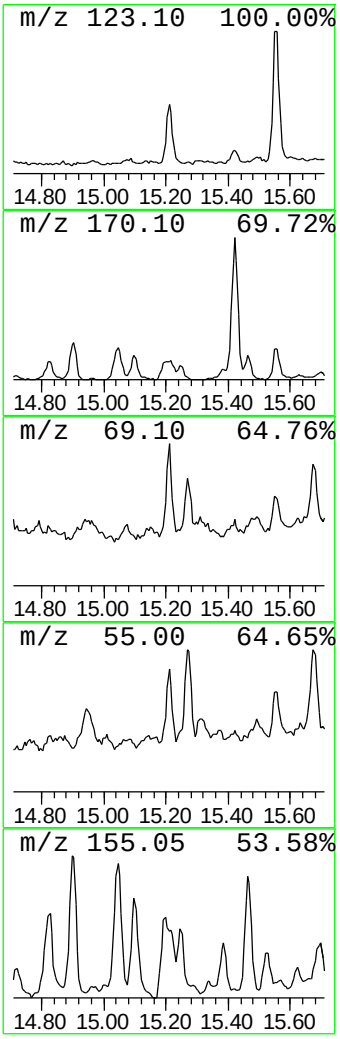
Peak Number 7 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	2.33 ng/ul	192191	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	38
2	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	35
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	35
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	35
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	35





Data Path : Z:\HPCHEM1\BNA M\DATA\BM052516\
Data File : BM005647.D
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Sample : H3086-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

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Quant Title : SVOA CALIBRATION

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

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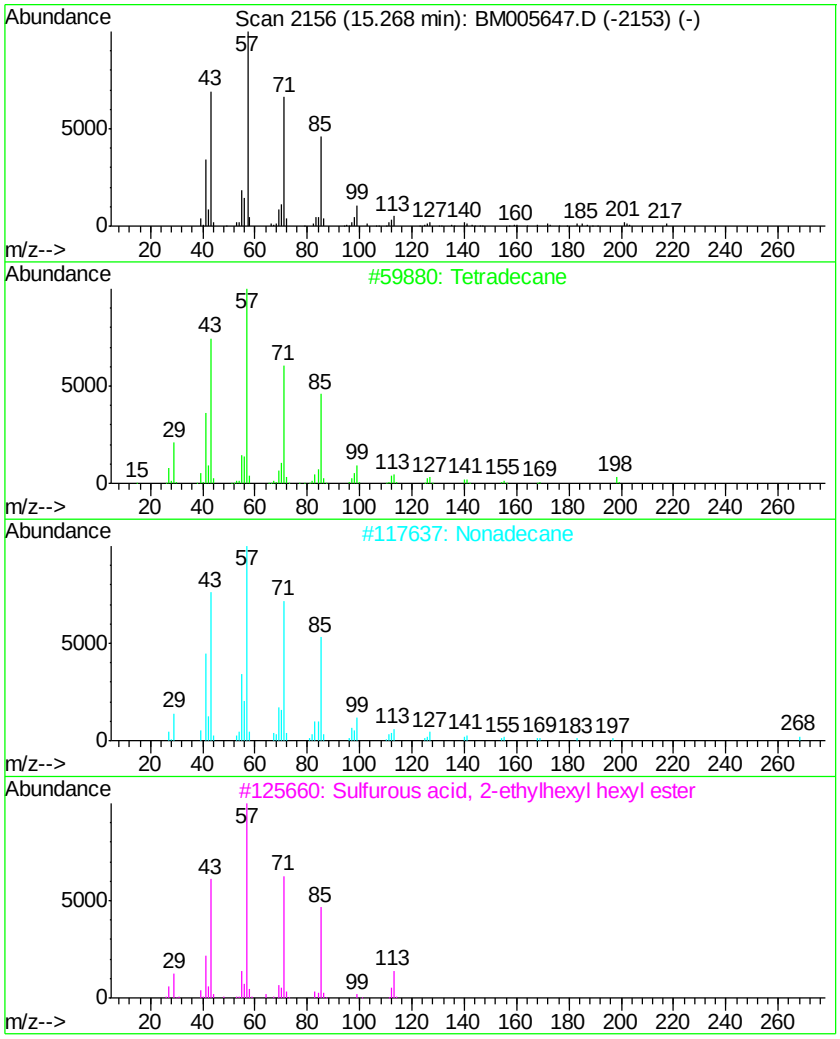
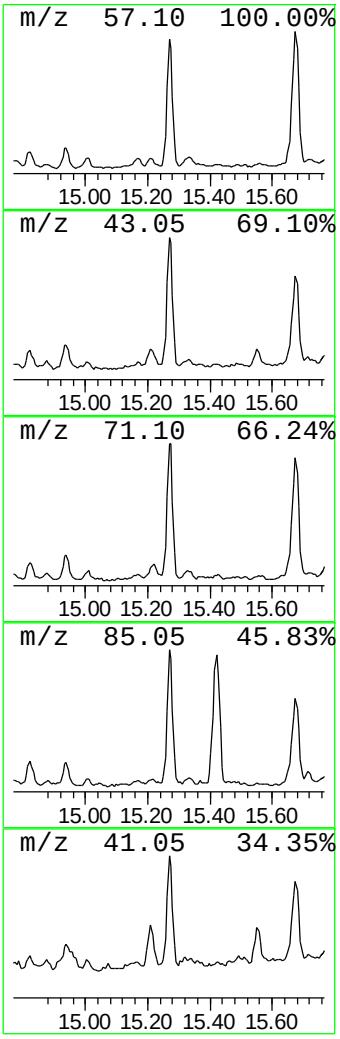
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	2.24 ng/ul	184678	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	86
2	Nonadecane	268	C19H40	000629-92-5	78
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72
4	Hexadecane	226	C16H34	000544-76-3	72
5	Pentadecane	212	C15H32	000629-62-9	72





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Quant Title : SVOA CALIBRATION

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

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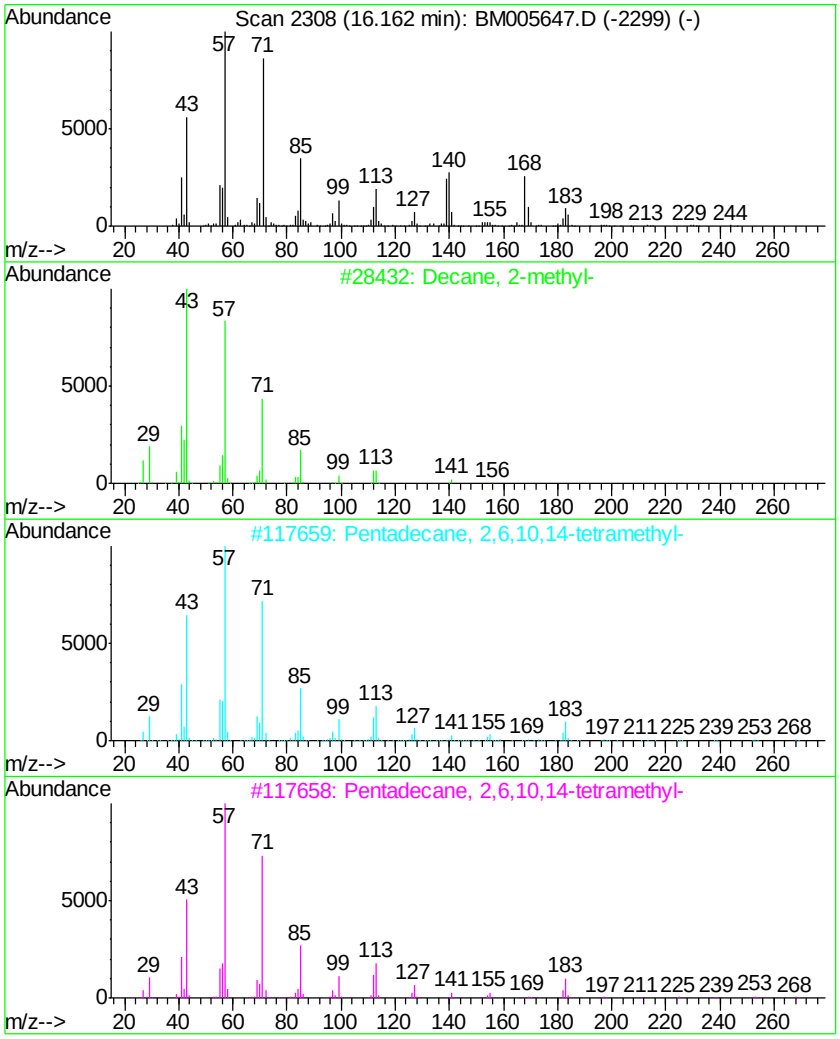
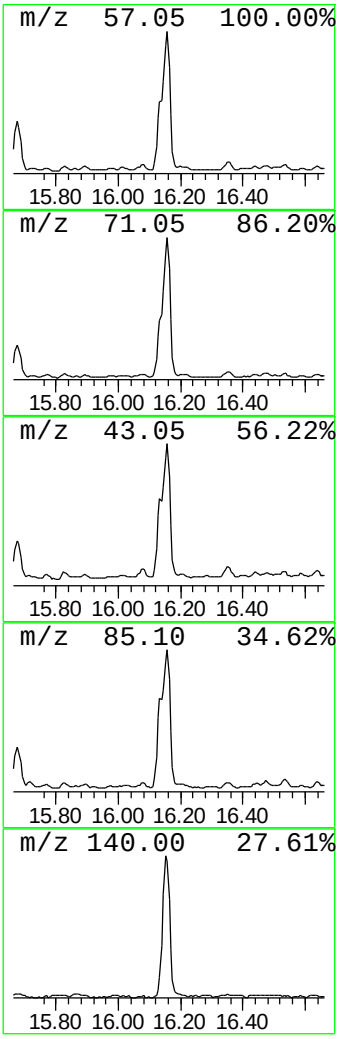
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	14.21 ng/ul	1256110	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	55
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	53
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	53
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	53
5	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	52





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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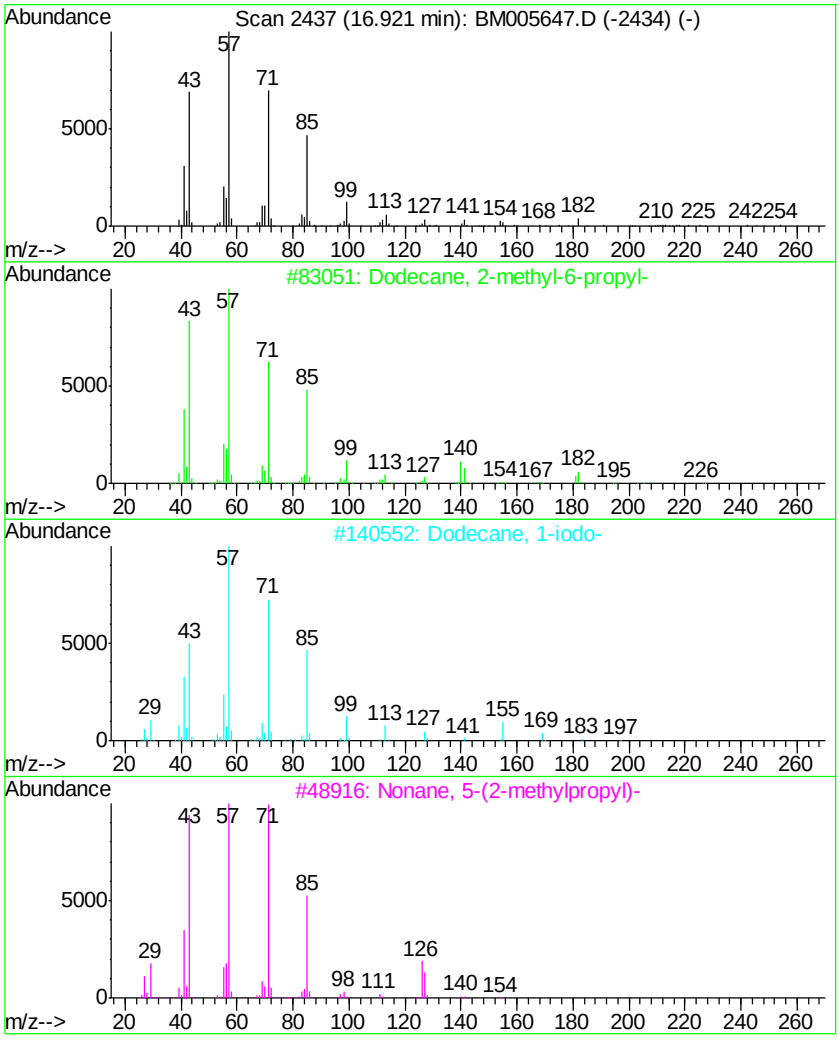
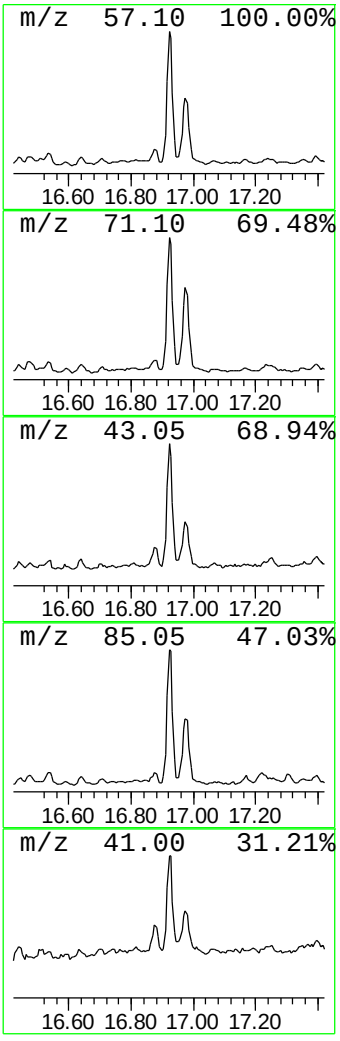
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	2.48 ng/ul	218754	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
3	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	64
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64





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ClientSampleId : JHGF4

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Quant Title : SVOA CALIBRATION

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

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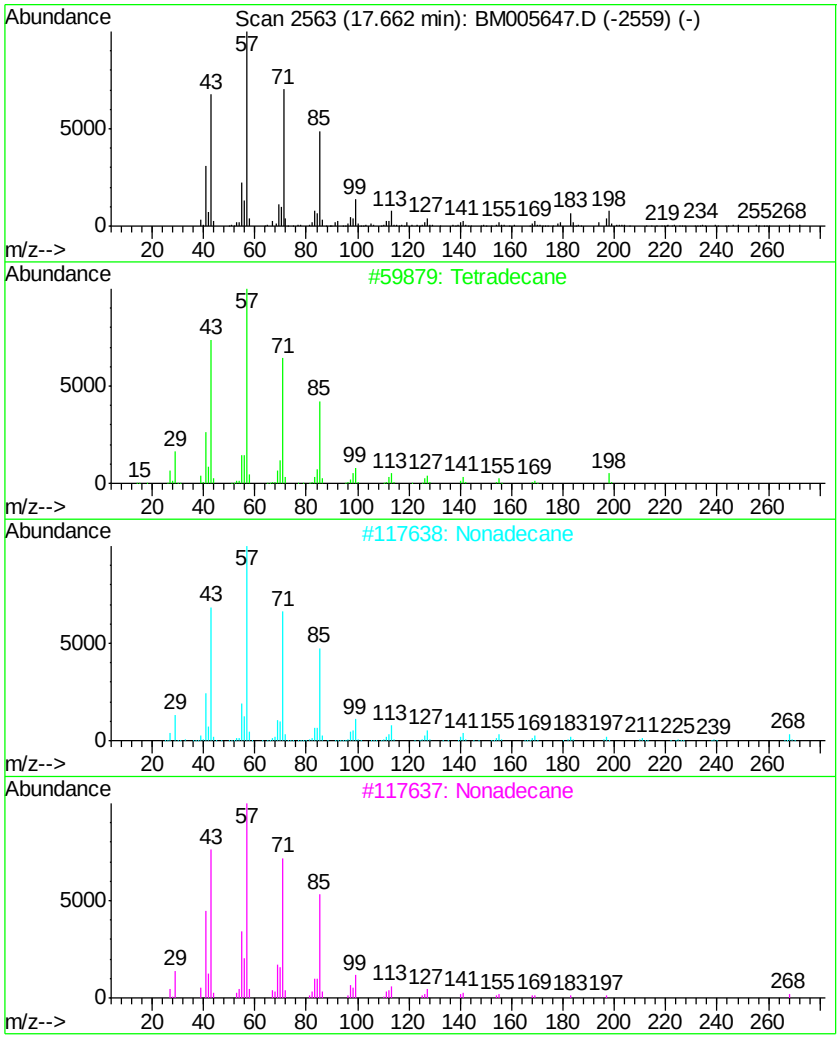
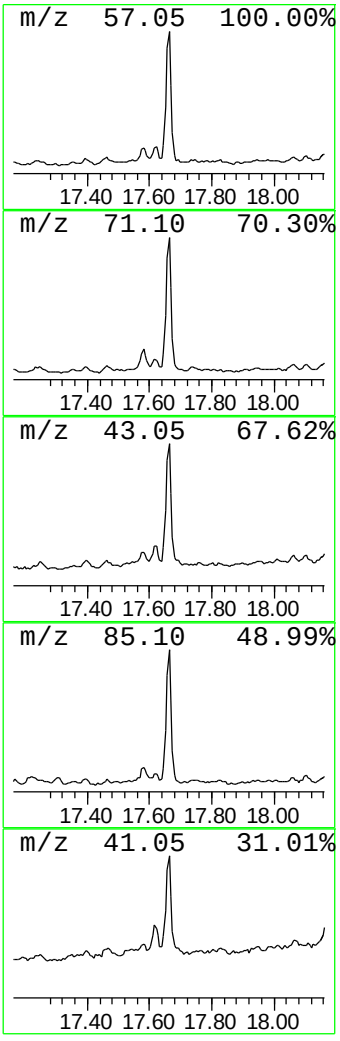
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	2.98 ng/ul	263554	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Nonadecane	268	C19H40	000629-92-5	94
3	Nonadecane	268	C19H40	000629-92-5	94
4	Tetradecane	198	C14H30	000629-59-4	91
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	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 13 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	4.15 ng/ul	366702	Phenanthrene-d10	17.17

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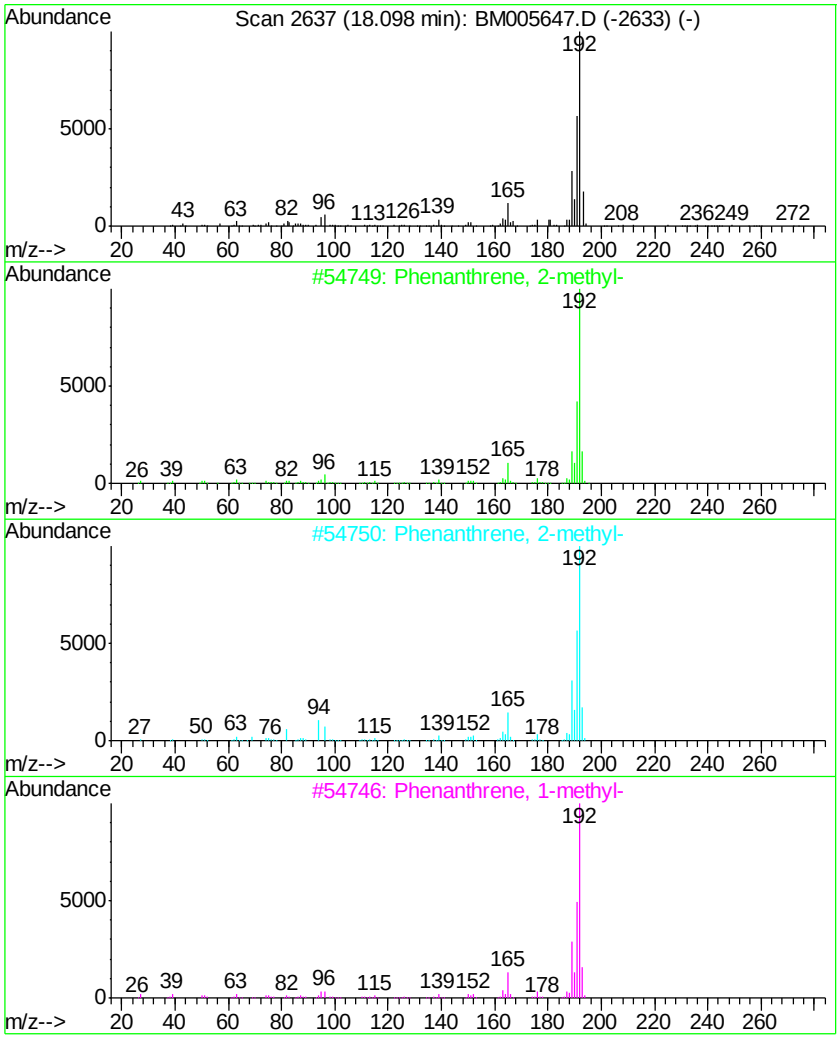

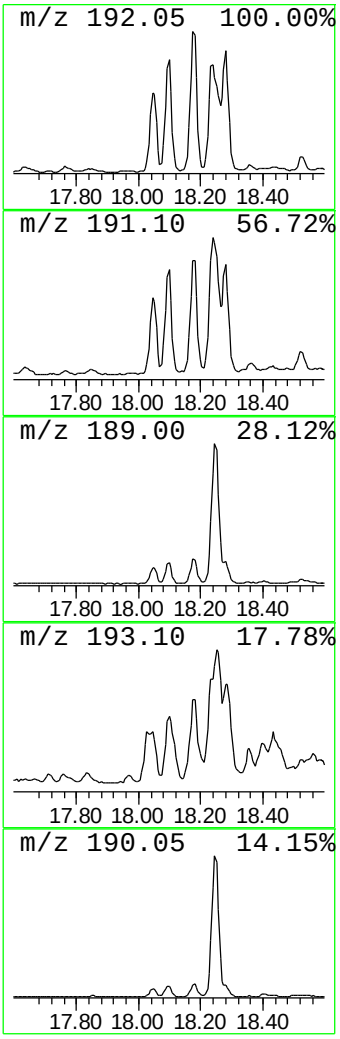

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Quant Title : SVOA CALIBRATION

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

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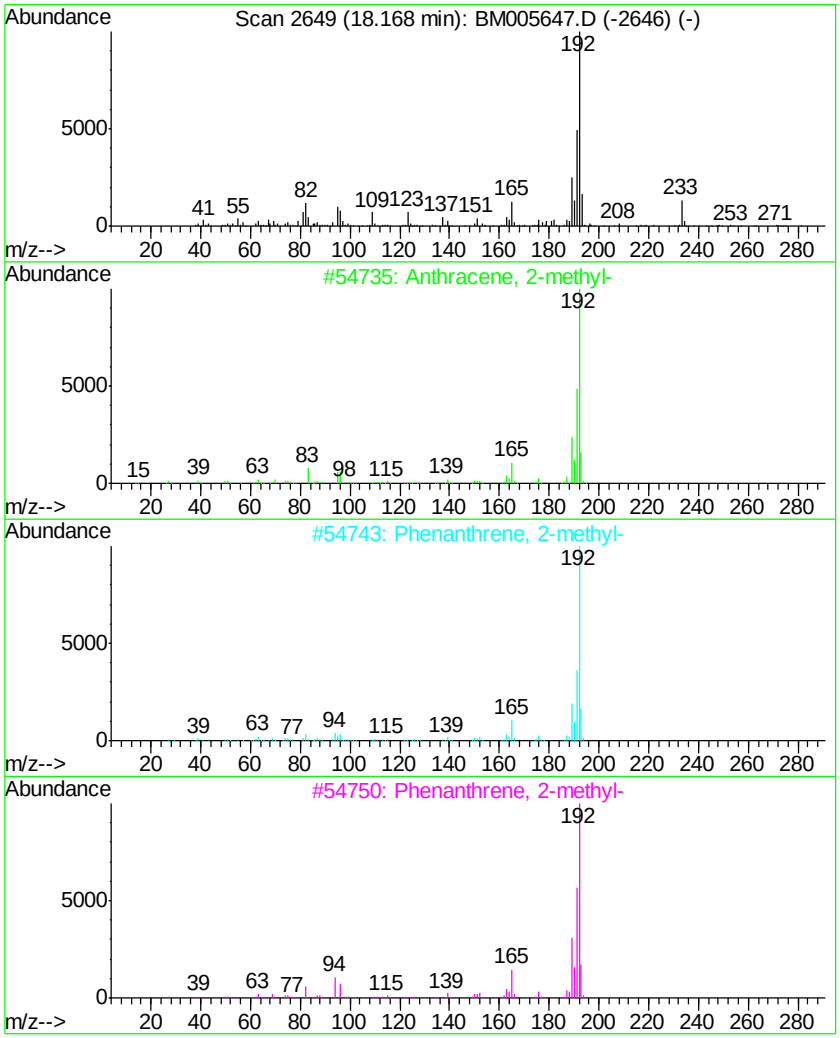
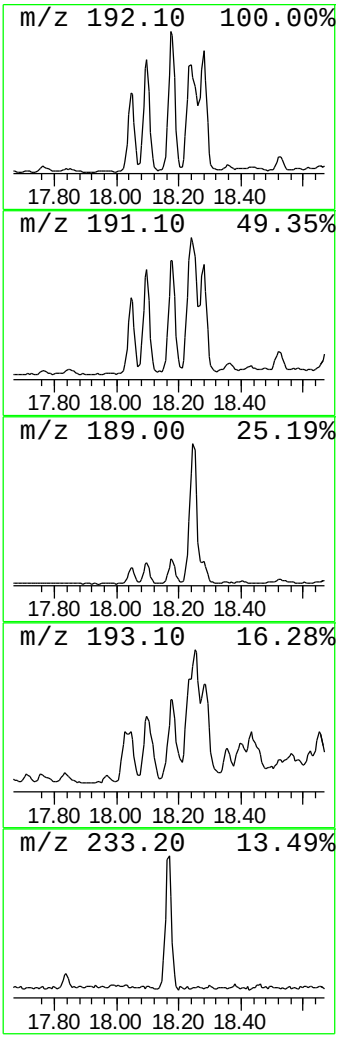
Peak Number 14 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	4.82 ng/ul	425543	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Quant Title : SVOA CALIBRATION

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

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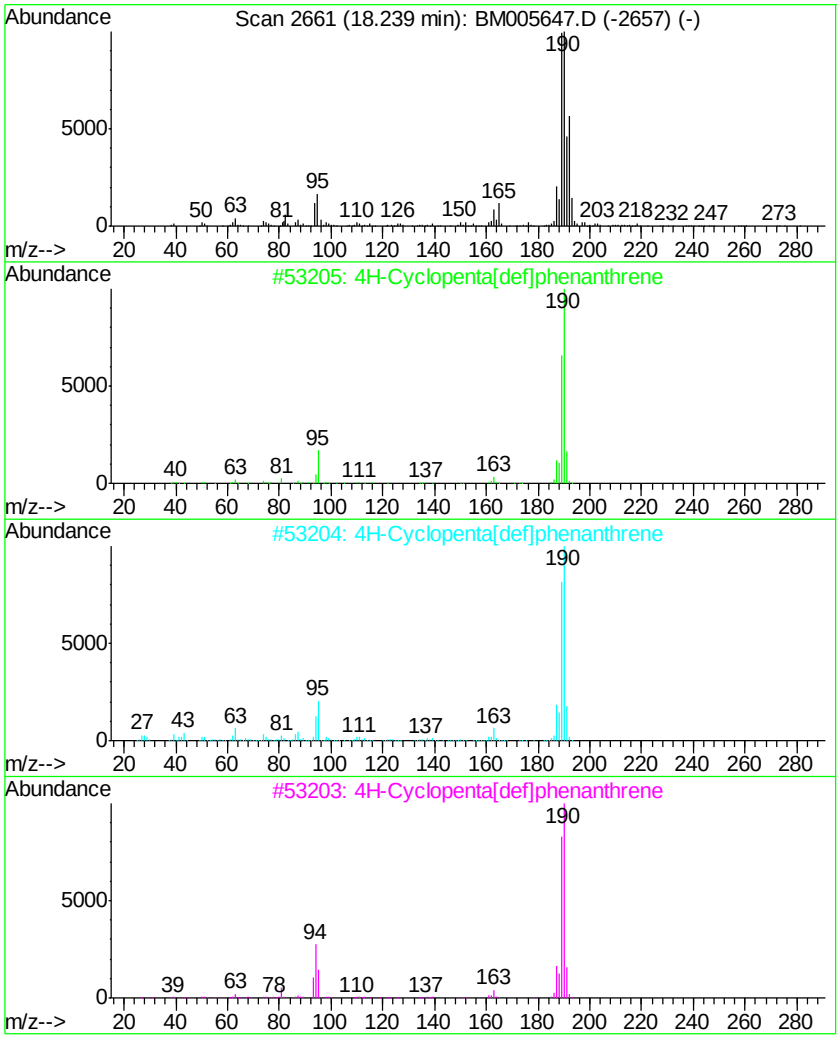
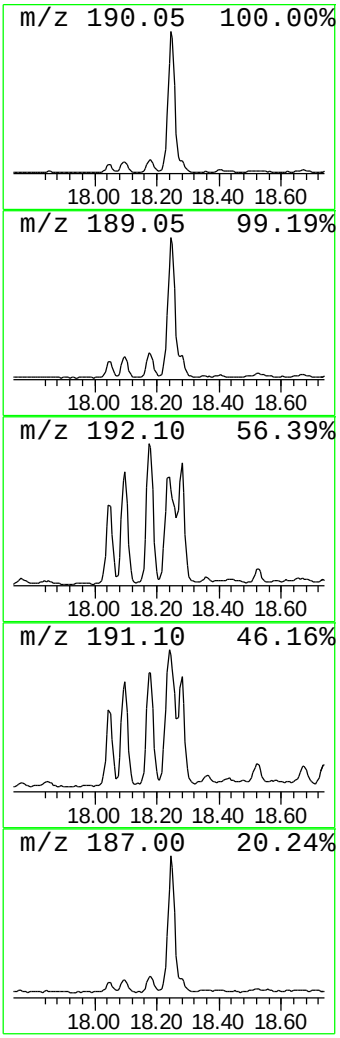
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	11.80 ng/ul	1042930	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	52
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Quant Title : SVOA CALIBRATION

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

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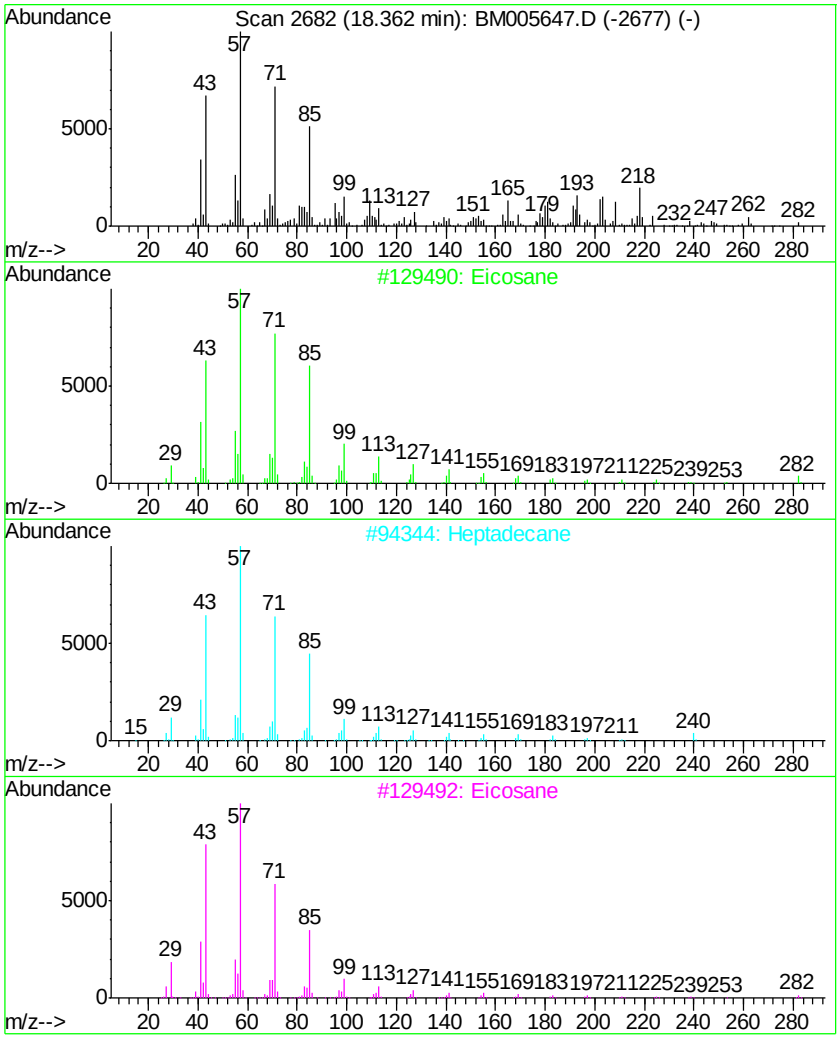
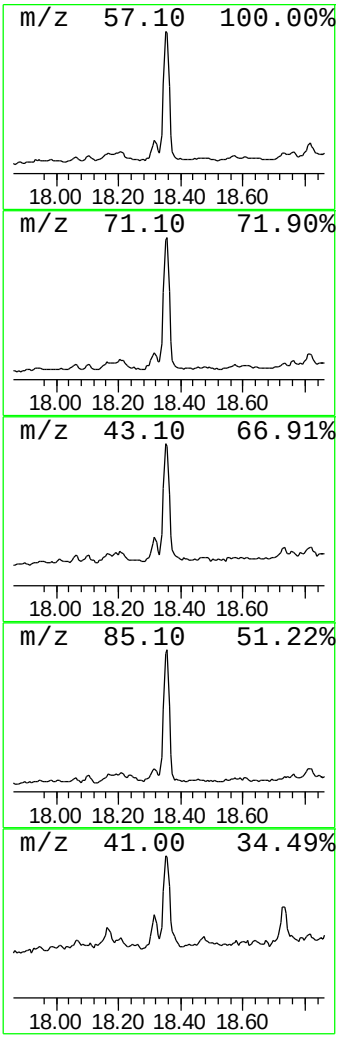
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	4.73 ng/ul	417593	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Heptadecane	240	C17H36	000629-78-7	90
3	Eicosane	282	C20H42	000112-95-8	87
4	Octadecane	254	C18H38	000593-45-3	53
5	Octadecane	254	C18H38	000593-45-3	53





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Quant Title : SVOA CALIBRATION

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

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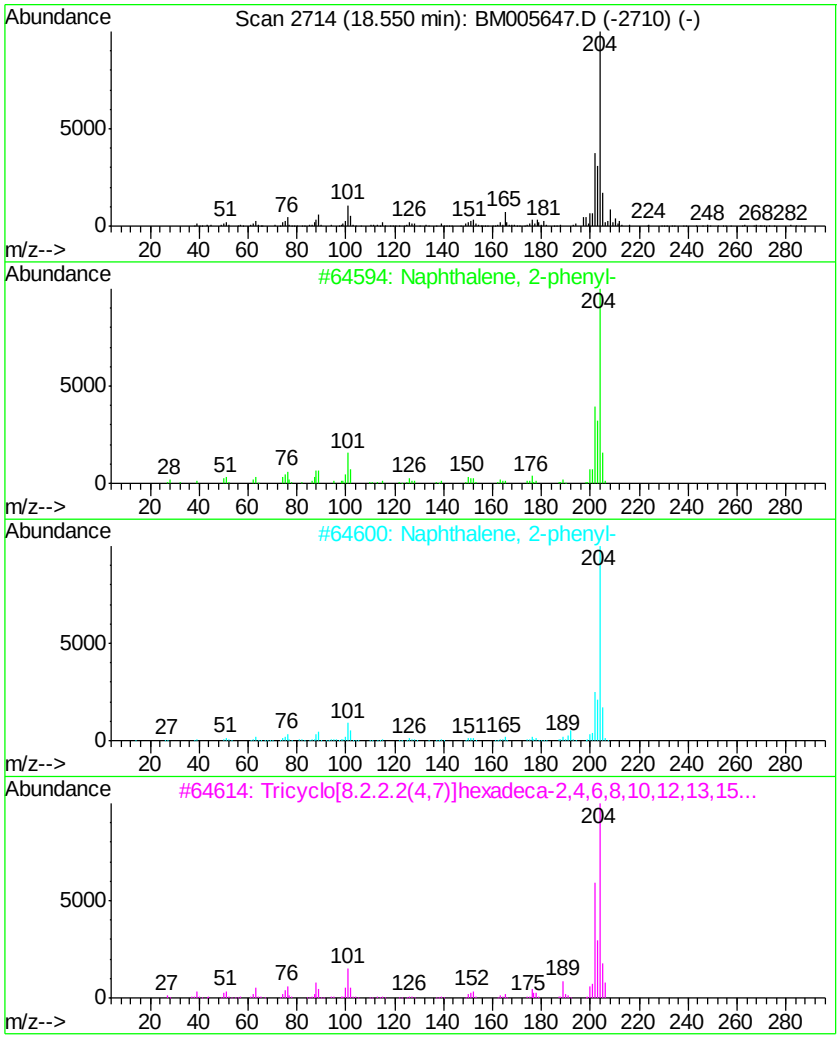
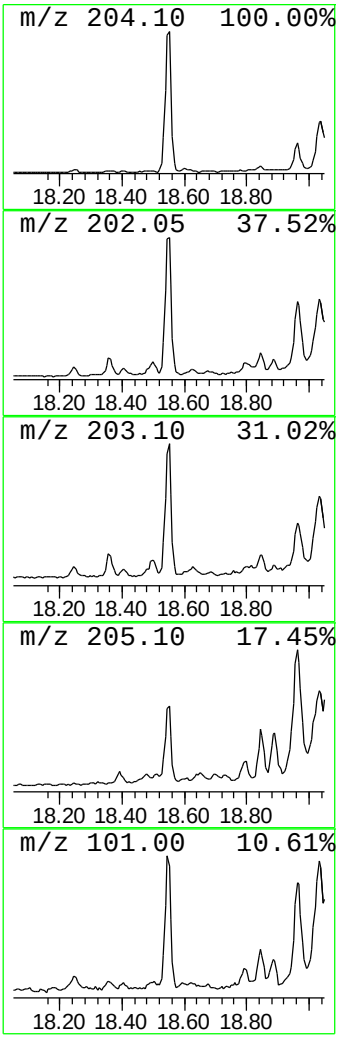
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	3.51 ng/ul	309980	Phenanthrene-d10	17.17

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	93
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	87
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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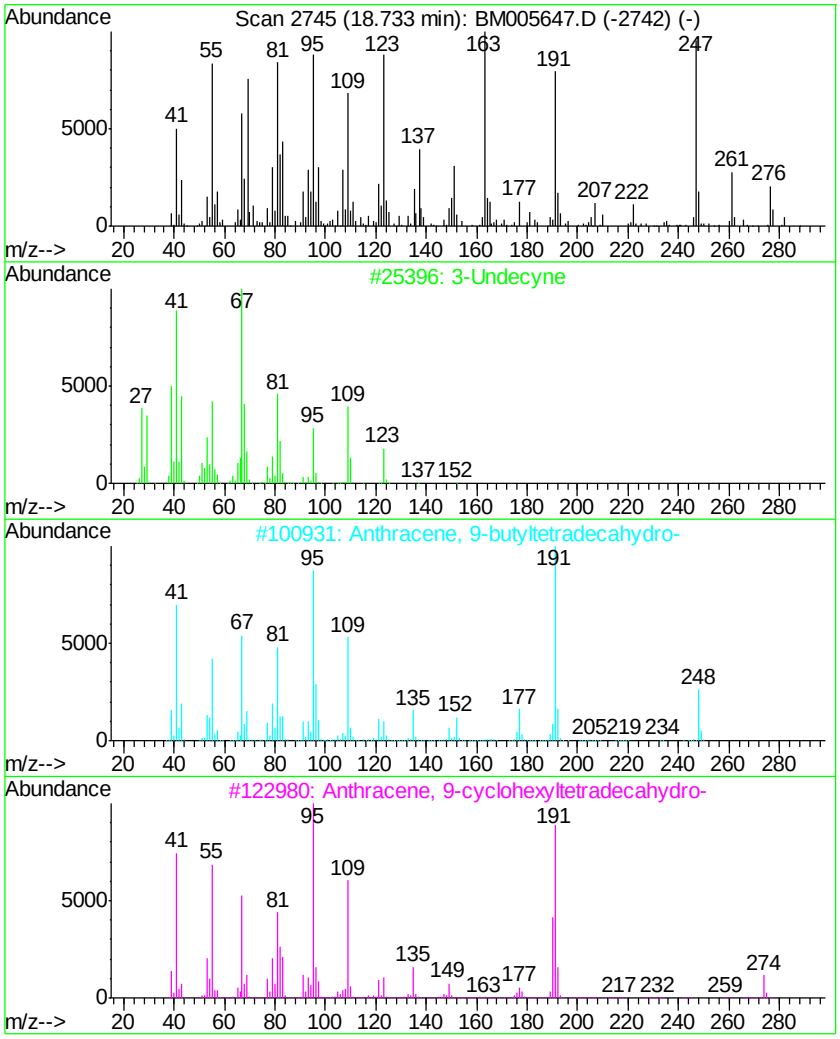
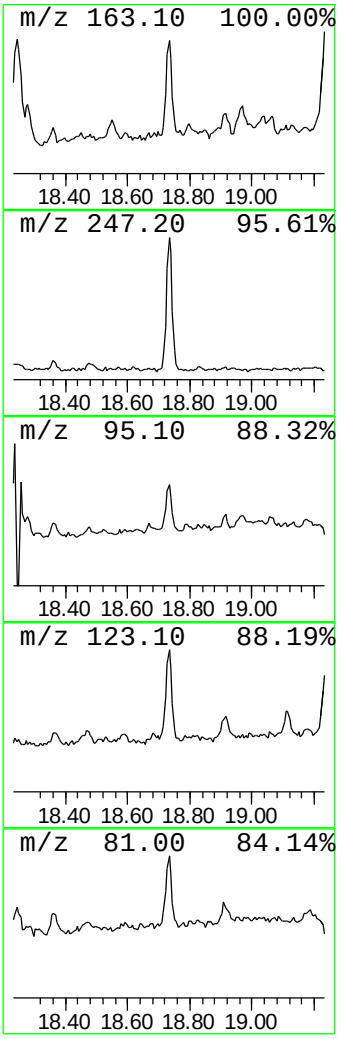
Peak Number 18 (DEL) Alkane: Branched-18.73 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	2.41 ng/ul	212652	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Undecyne	152	C11H20	060212-30-8	27
2	Anthracene, 9-butyltetradecahydro-	248	C18H32	055133-89-6	25
3	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	22
4	1H-Indene, 1-(1,5-dimethyl-2-hex...	248	C18H32	054411-95-9	22
5	Divinylbis(cyclopropyl)silane	164	C10H16Si	1000109-95-2	18





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Quant Title : SVOA CALIBRATION

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

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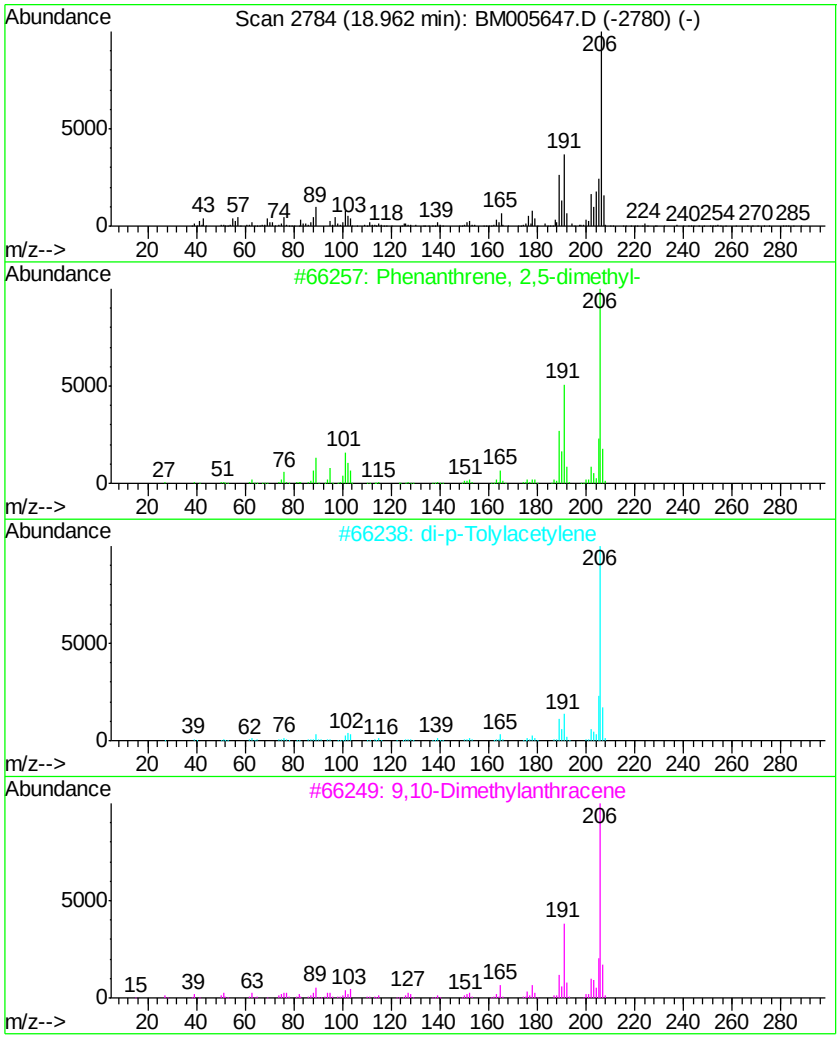
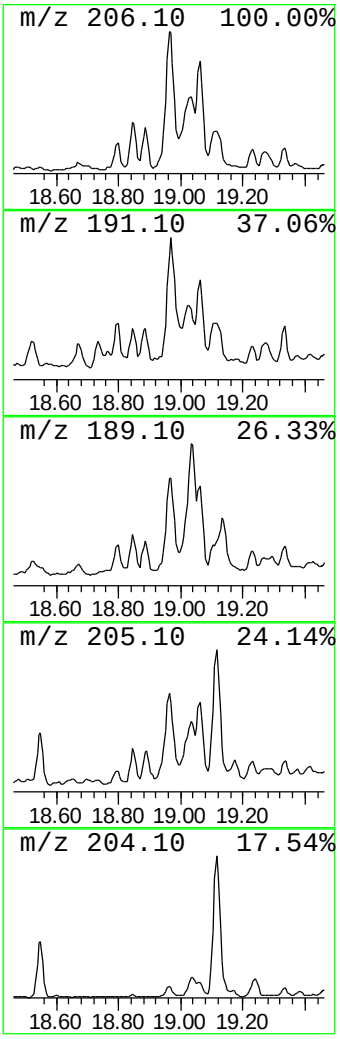
Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	5.66 ng/ul	500076	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

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Quant Title : SVOA CALIBRATION

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

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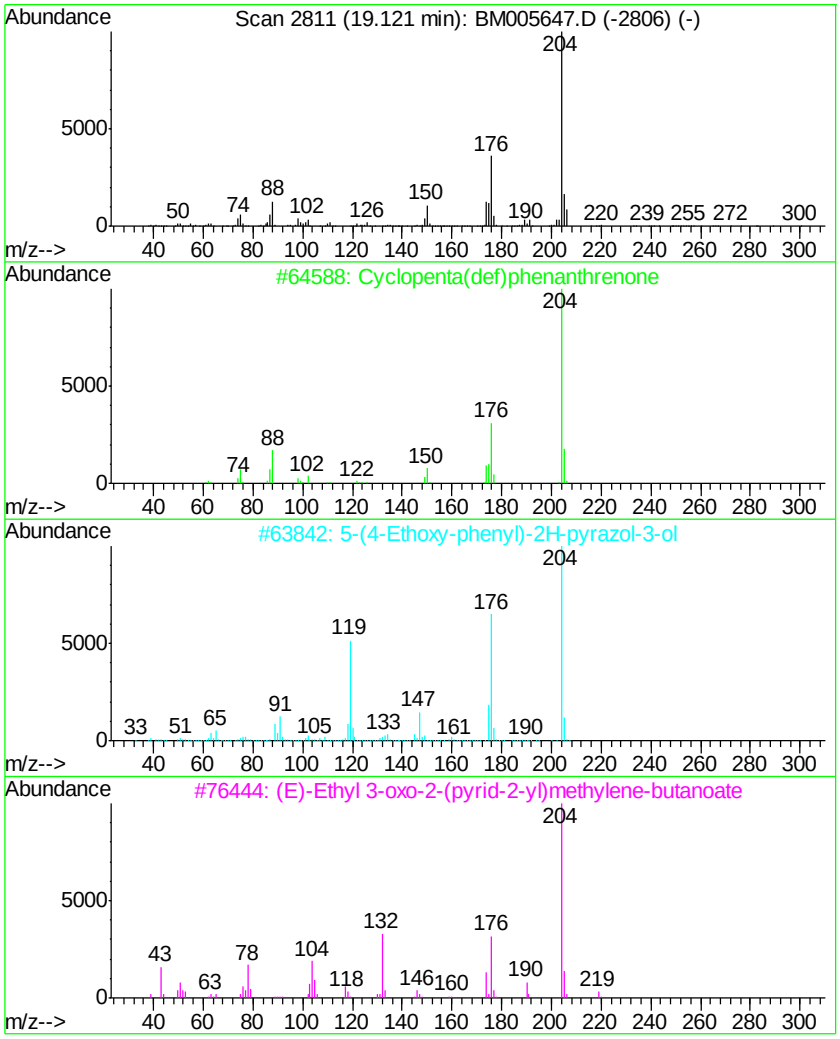
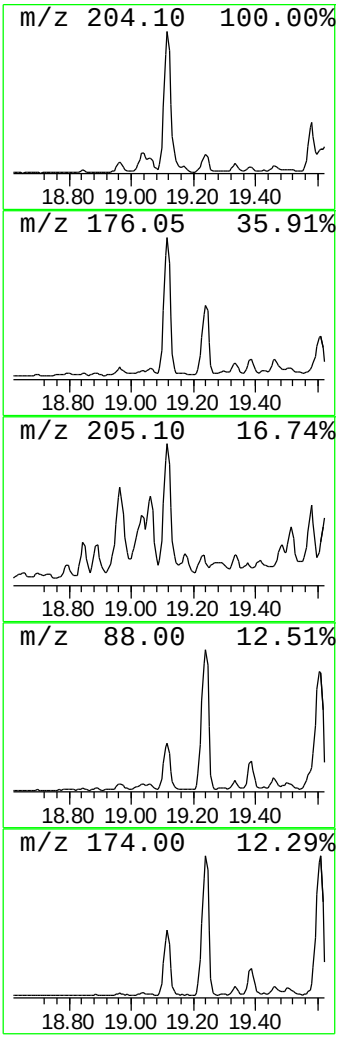
Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	10.31 ng/ul	910918	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
4	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	45
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Acq On : 25 May 2016 21:14
Operator : UM/SJ
Sample : H3086-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

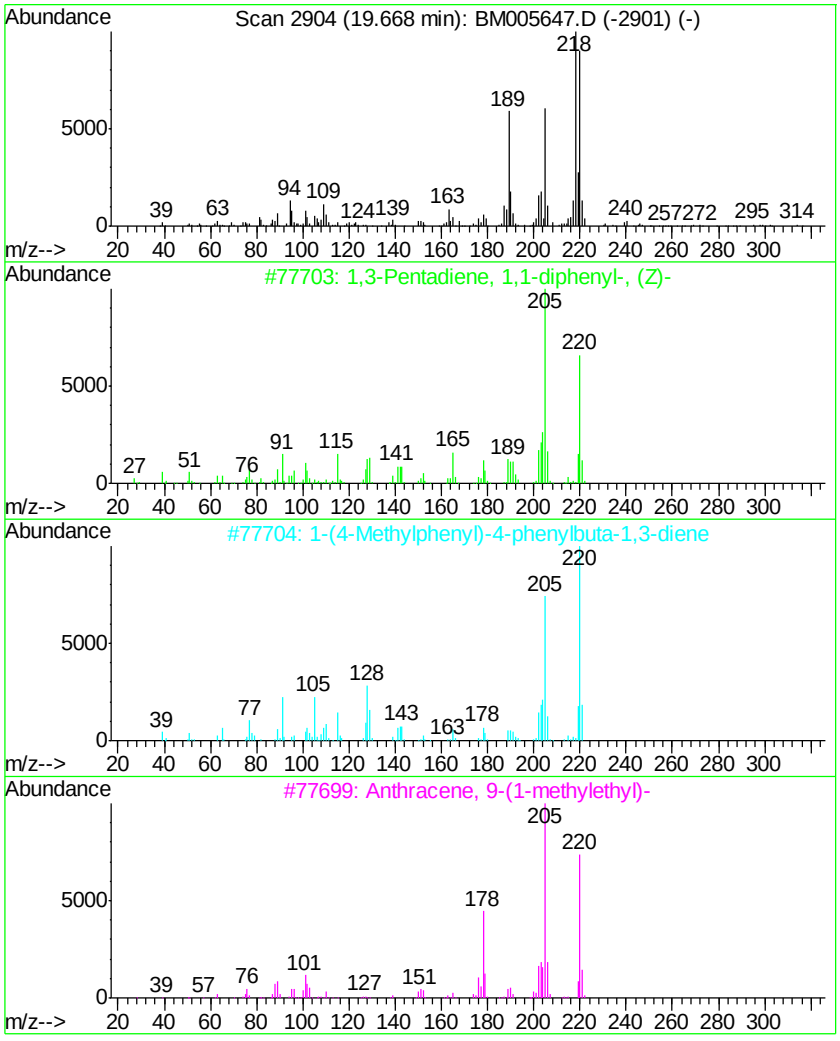
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

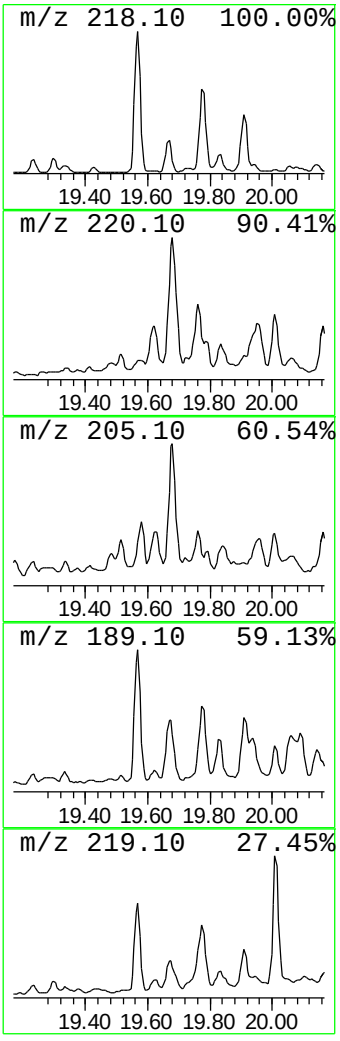
****

Peak Number 22 1,3-Pentadiene, 1,1-dipheny... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	2.35 ng/ul	634971	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Pentadiene, 1,1-diphenyl-, (Z)-	220	C17H16	015295-31-5	64
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	64
3	Anthracene, 9-(1-methylethyl)-	220	C17H16	001498-80-2	53
4	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	49
5	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	49





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Instrument : BNA_M
ClientSampleId : JHGF4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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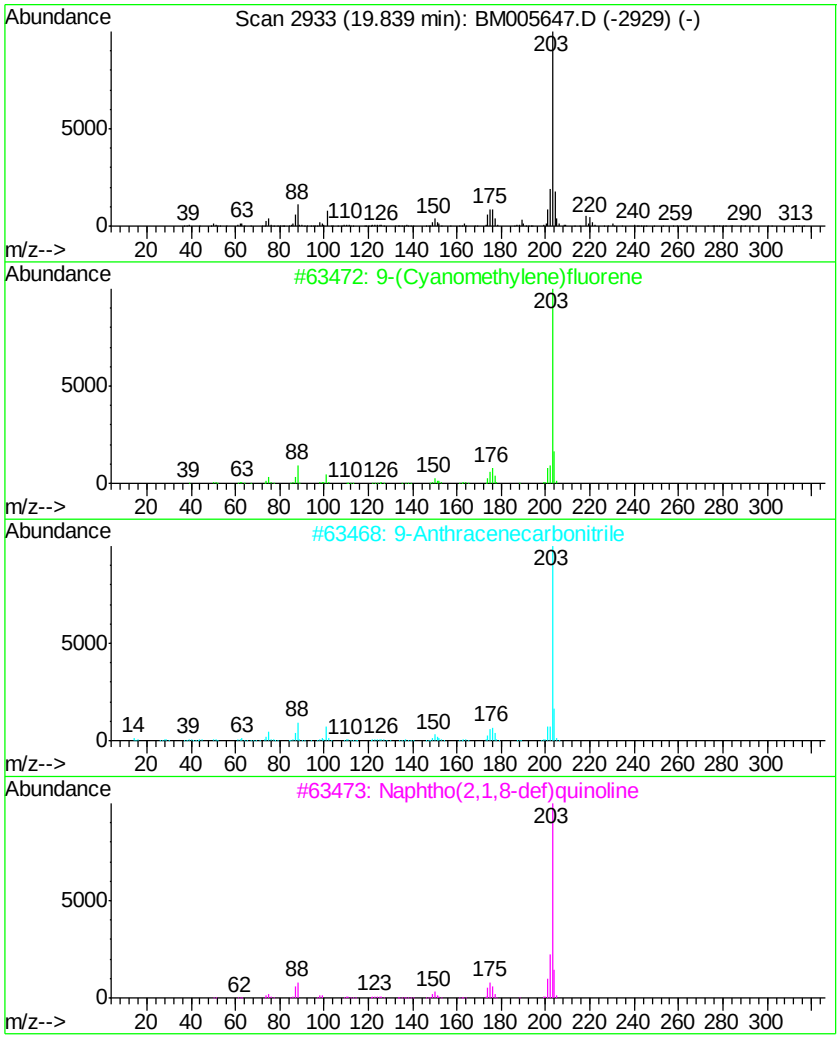
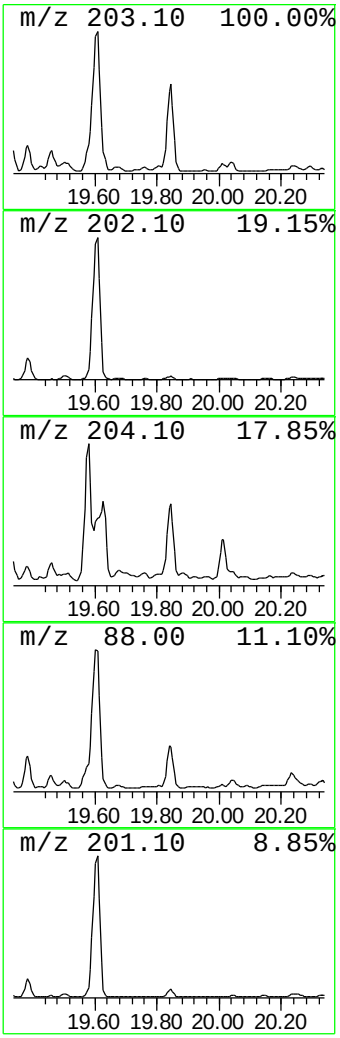
Peak Number 23 9-(Cyanomethylene)fluorene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	2.92 ng/ul	790071	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	96
2	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	95
3	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	95
4	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	95
5	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	95





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Sample : H3086-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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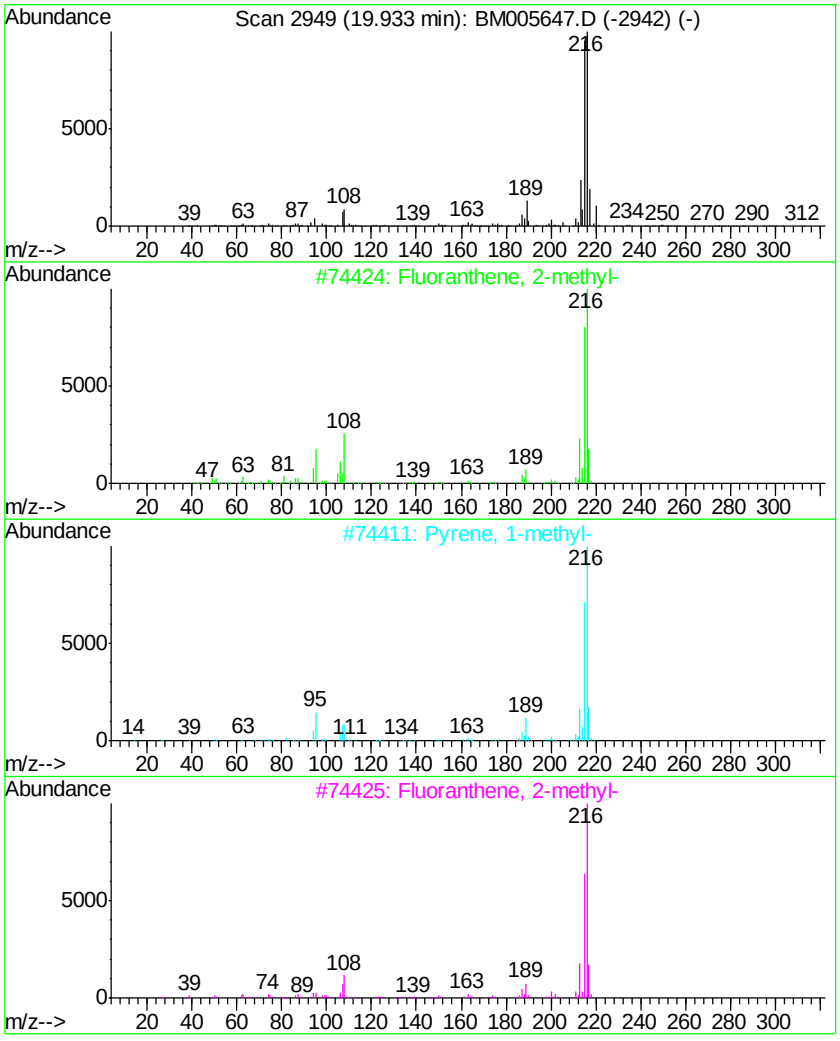
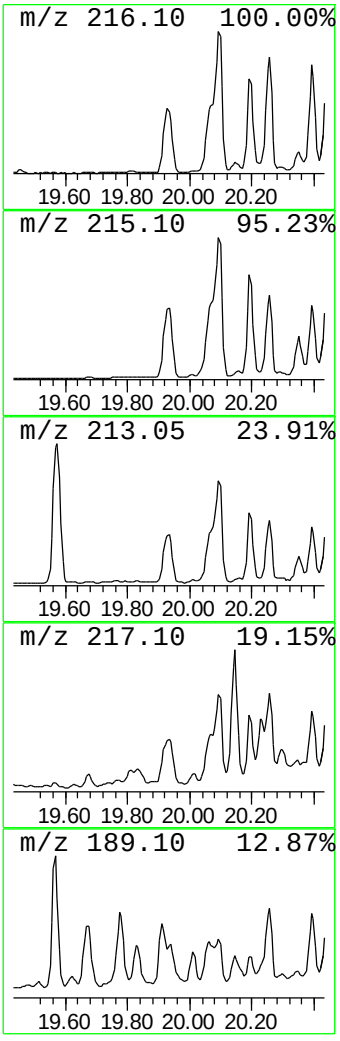
Peak Number 24 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	4.37 ng/ul	1183530	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90





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Sample : H3086-03
Misc :
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Instrument : BNA_M
ClientSampleId : JHGF4

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Quant Title : SVOA CALIBRATION

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

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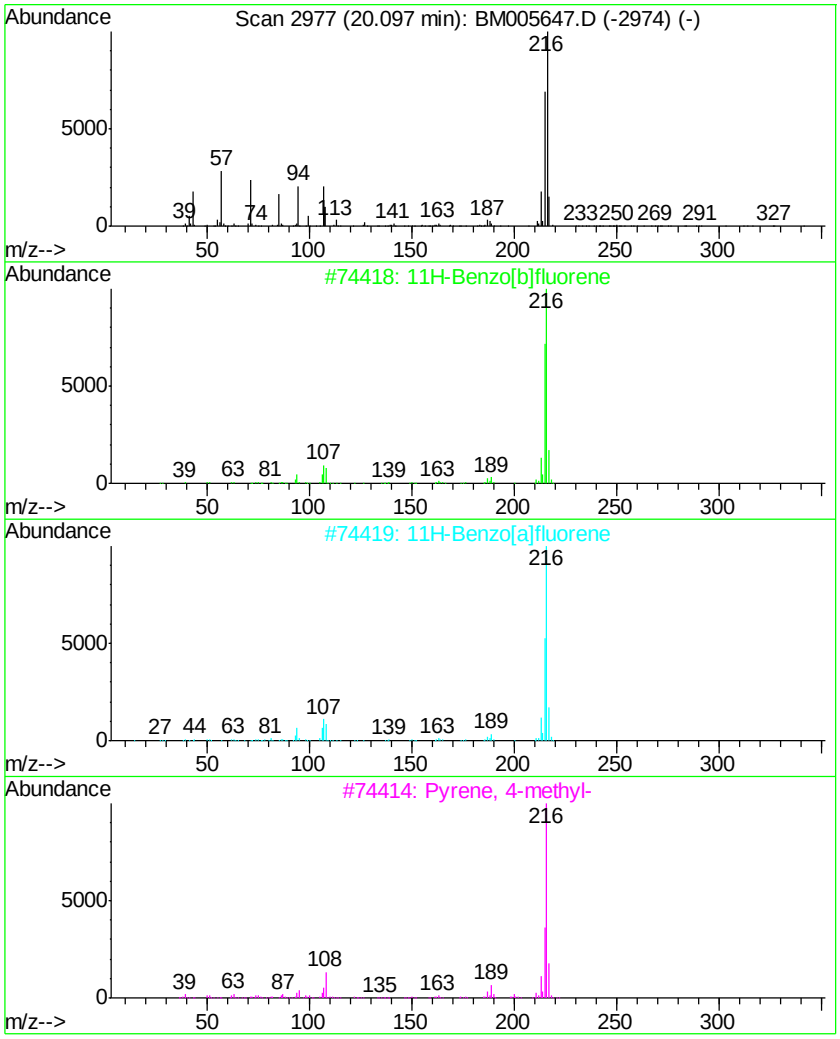
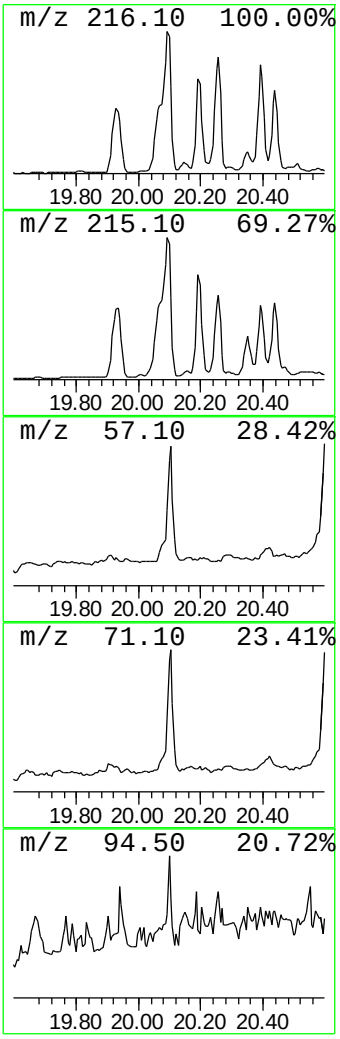
Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	4.92 ng/ul	1332000	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	62
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	53
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	53





Library Search Compound Report

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Sample : H3086-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

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Quant Title : SVOA CALIBRATION

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

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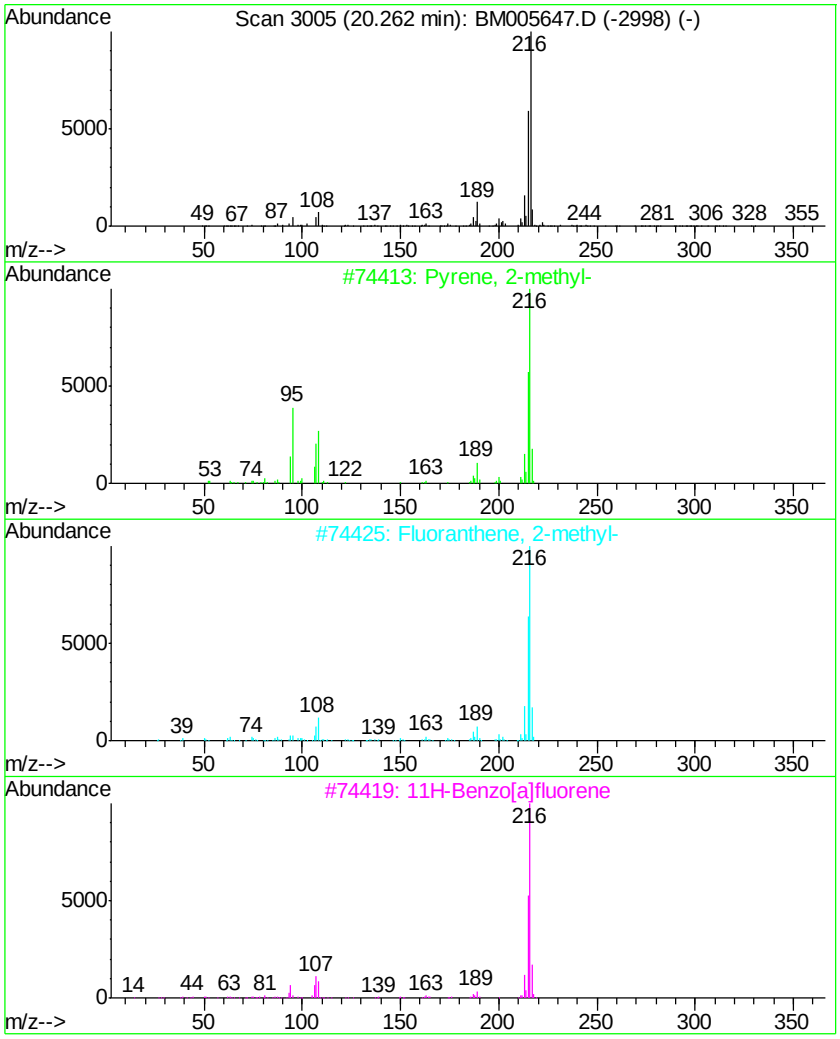
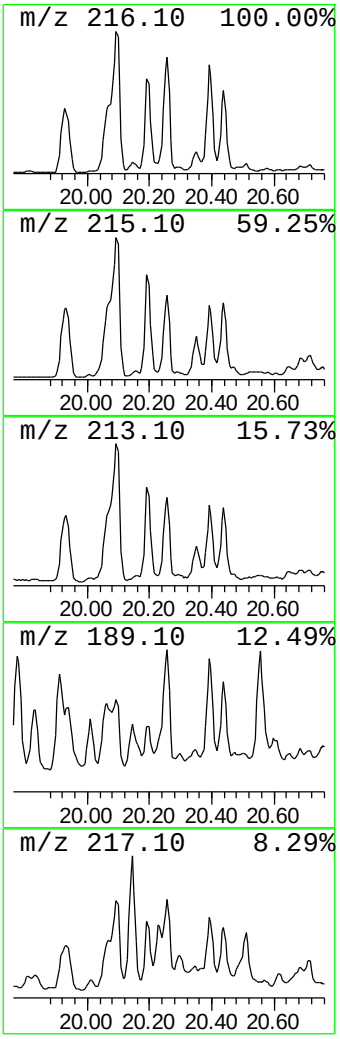
Peak Number 27 Pyrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	4.75 ng/ul	1285490	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68





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Instrument : BNA_M
ClientSampleId : JHGF4

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Quant Title : SVOA CALIBRATION

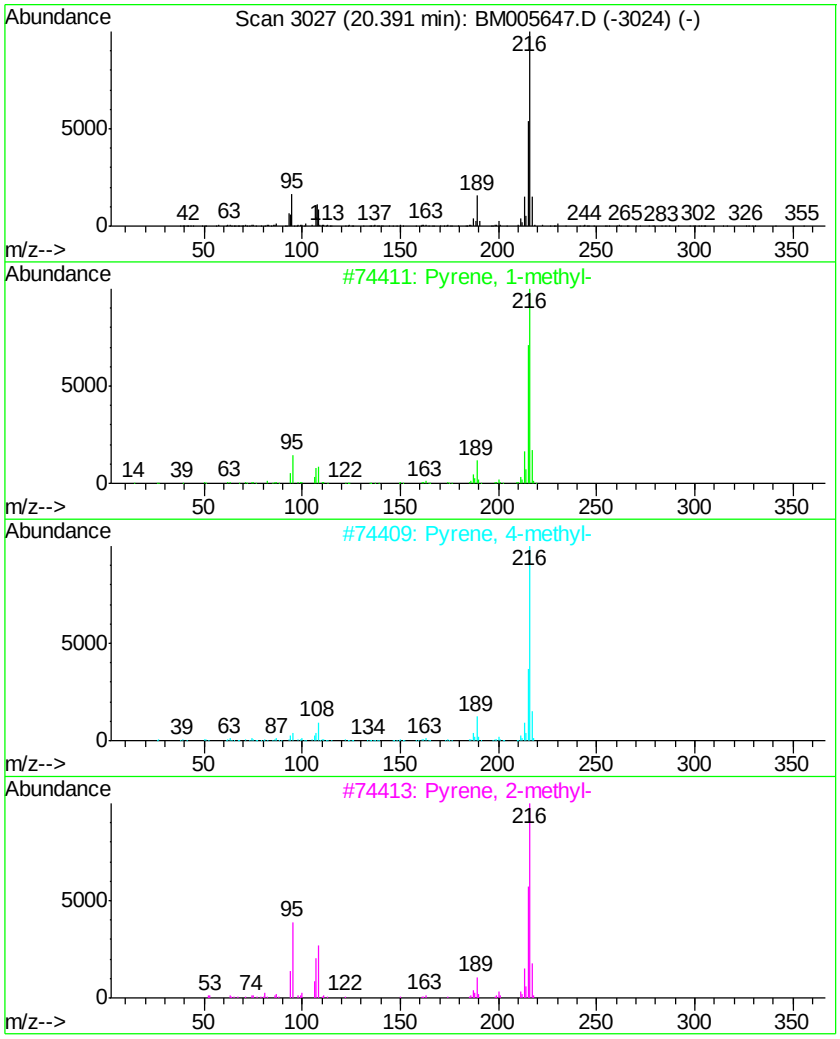
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

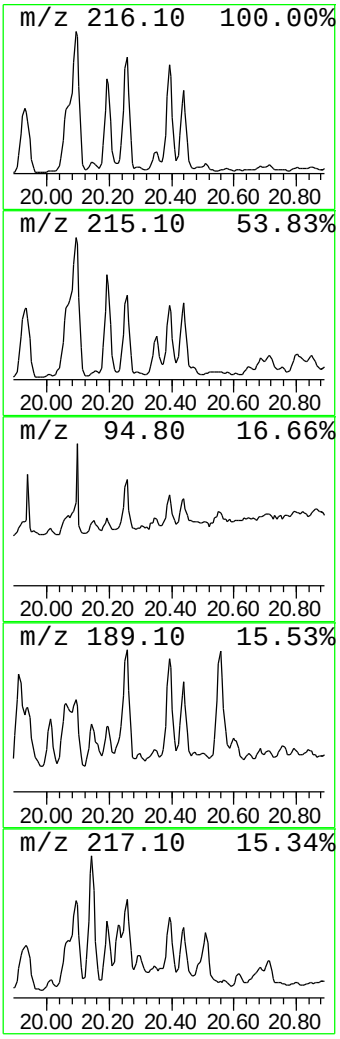
****

Peak Number 28 Pyrene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	2.24 ng/ul	606787	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Instrument : BNA_M
ClientSampleId : JHGF4

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Quant Title : SVOA CALIBRATION

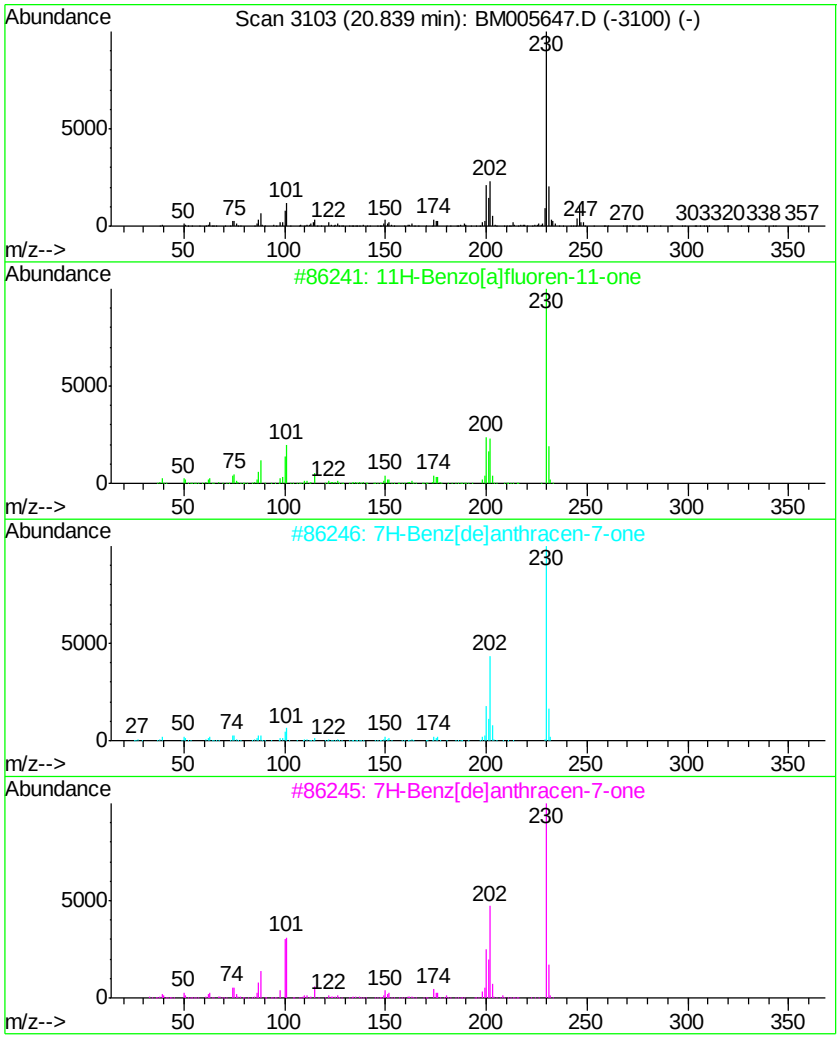
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

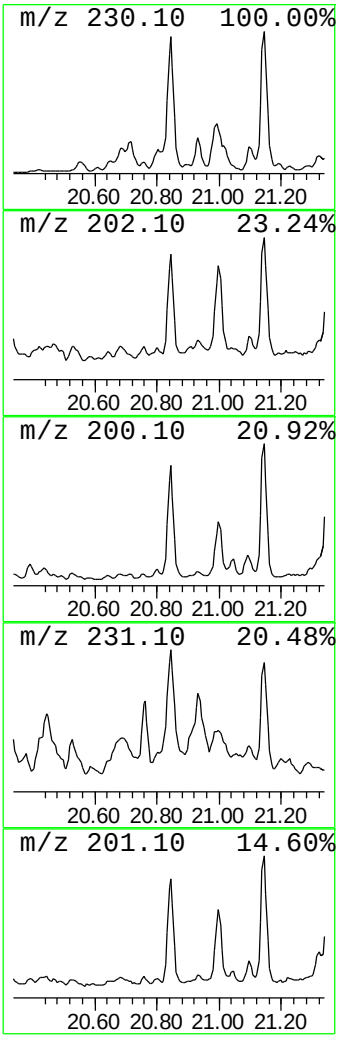
****

Peak Number 29 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	3.42 ng/ul	925595	Chrysene-d12	21.37

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	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70





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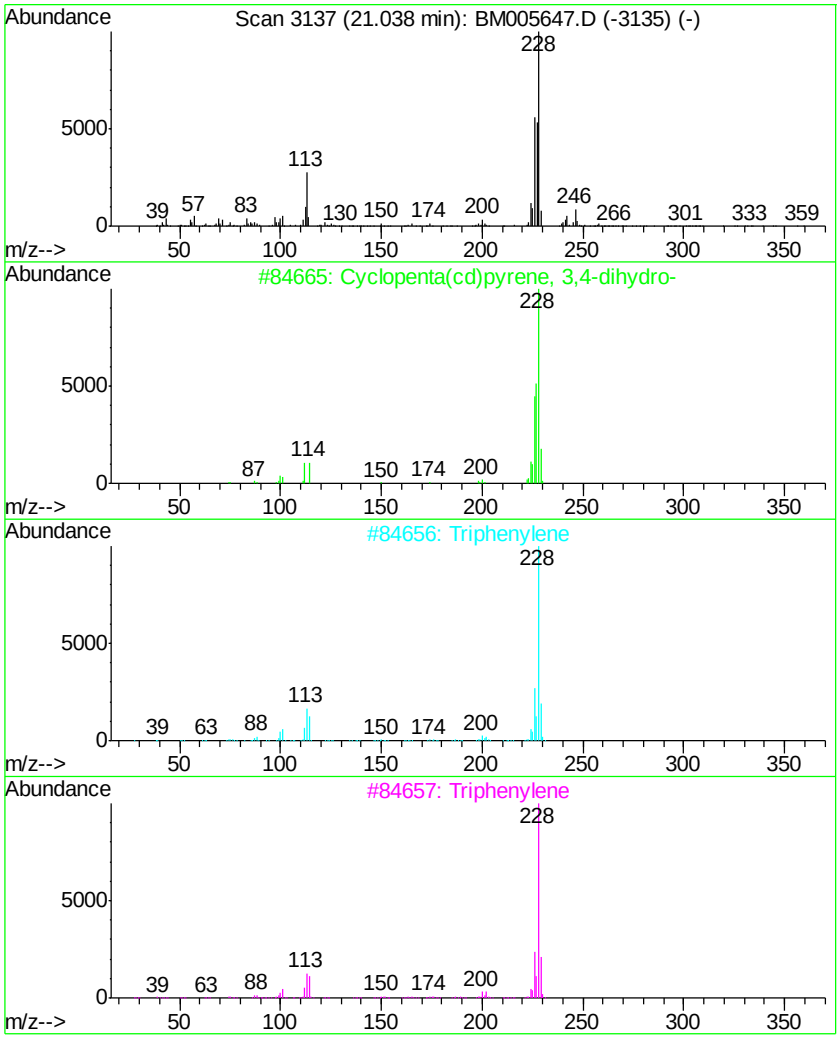
Quant Title : SVOA CALIBRATION

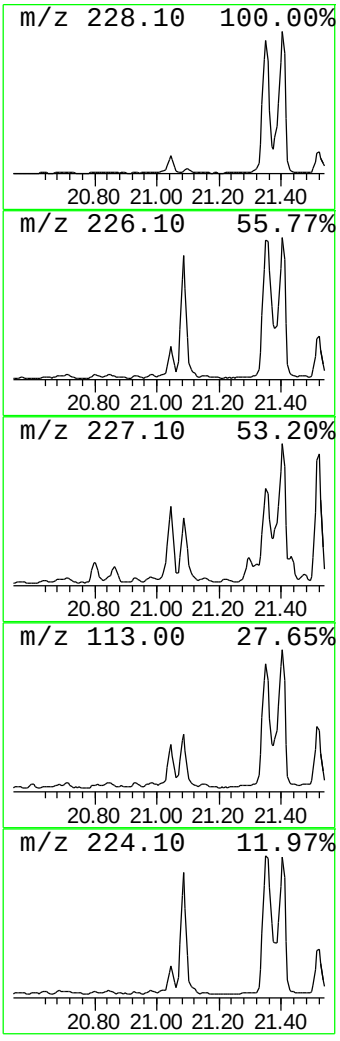
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.04	2.76 ng/ul	747514	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
2	Triphenylene	228	C18H12	000217-59-4	43
3	Triphenylene	228	C18H12	000217-59-4	38
4	Triphenylene	228	C18H12	000217-59-4	37
5	Triphenylene	228	C18H12	000217-59-4	37





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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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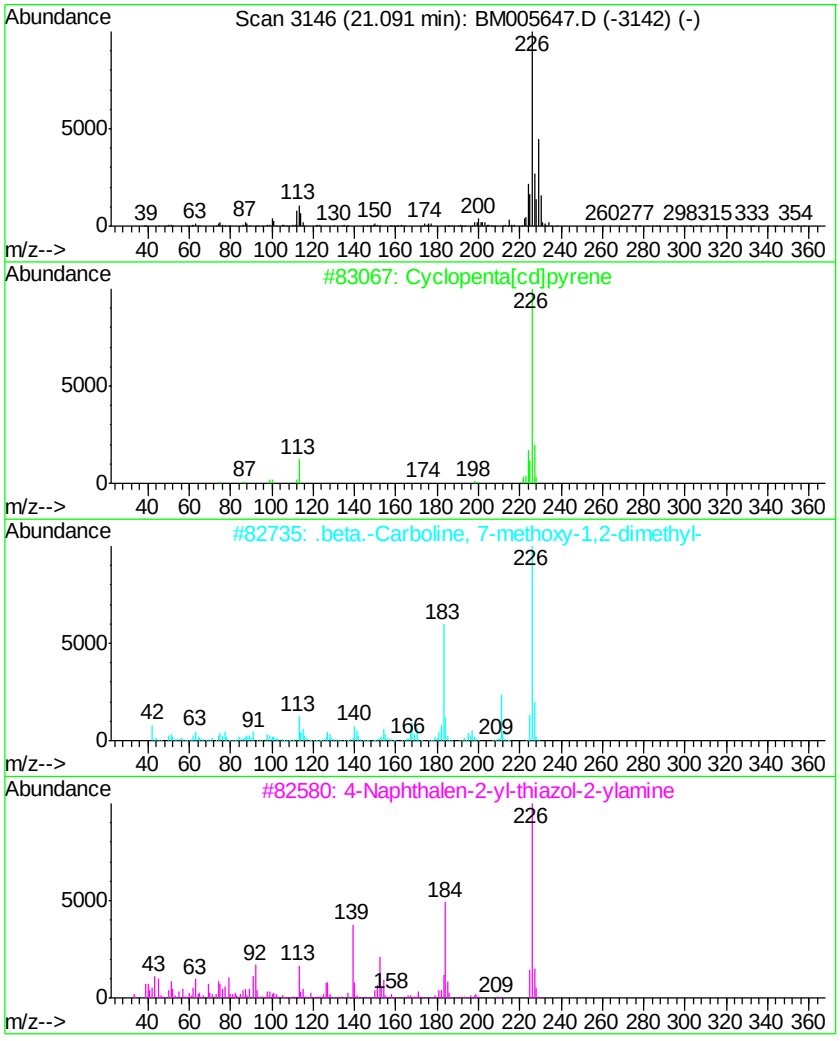
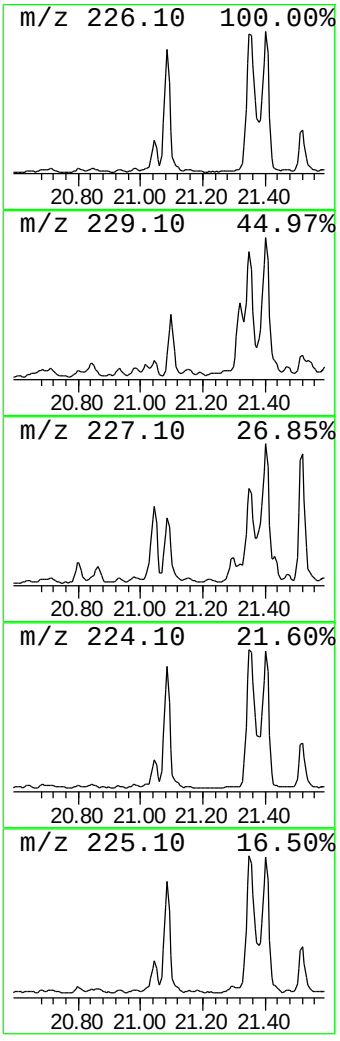
Peak Number 31 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	3.66 ng/ul	989749	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
3	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	50
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43





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Sample : H3086-03
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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

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Quant Title : SVOA CALIBRATION

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

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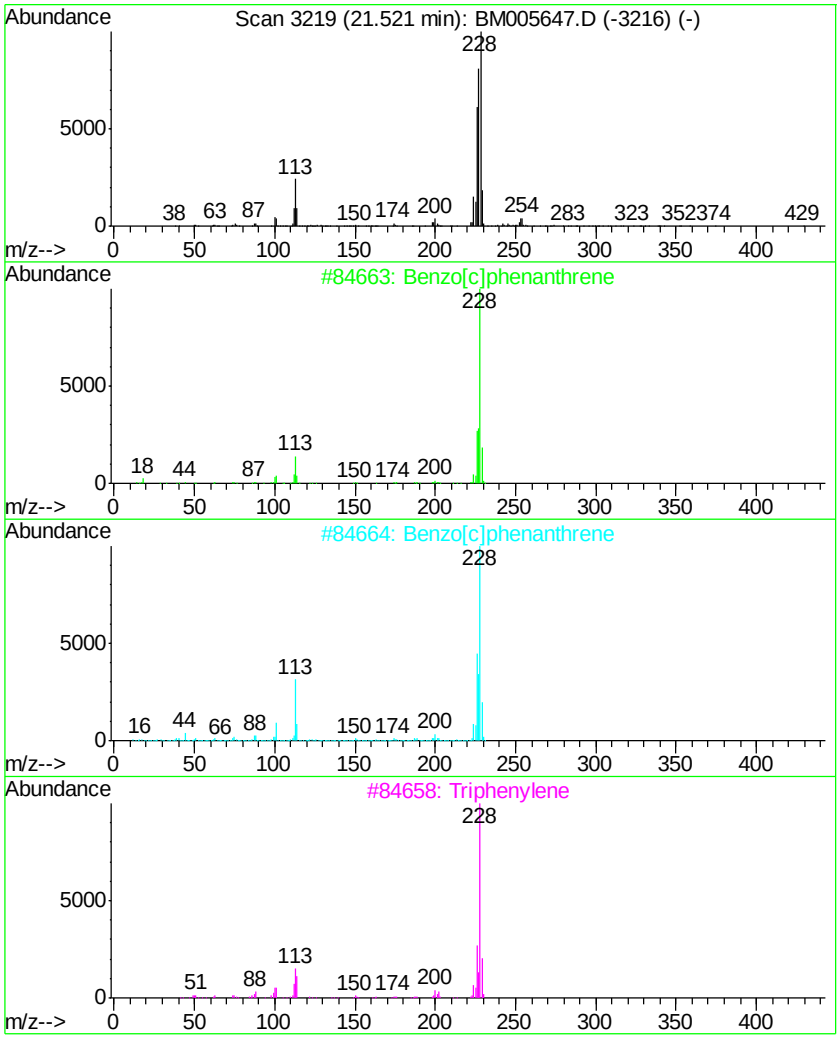
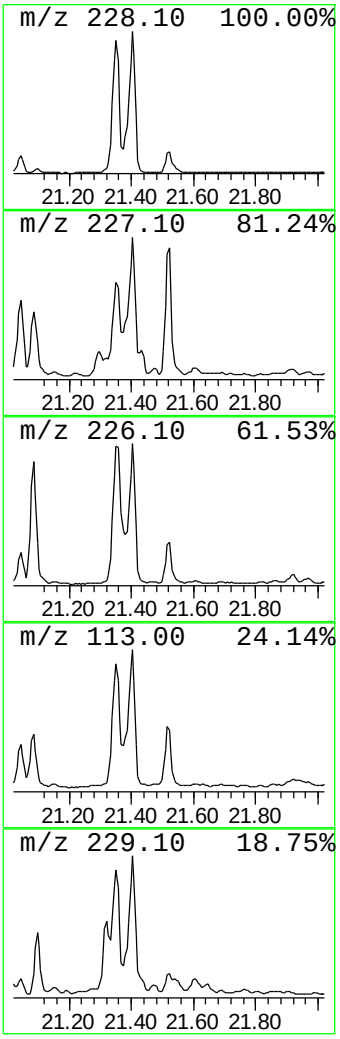
Peak Number 33 unknown-02 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	2.22 ng/ul	599886	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
3	Triphenylene	228	C18H12	000217-59-4	43
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	43
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	40





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Data File : BM005647.D
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Sample : H3086-03
Misc :
ALS Vial : 6 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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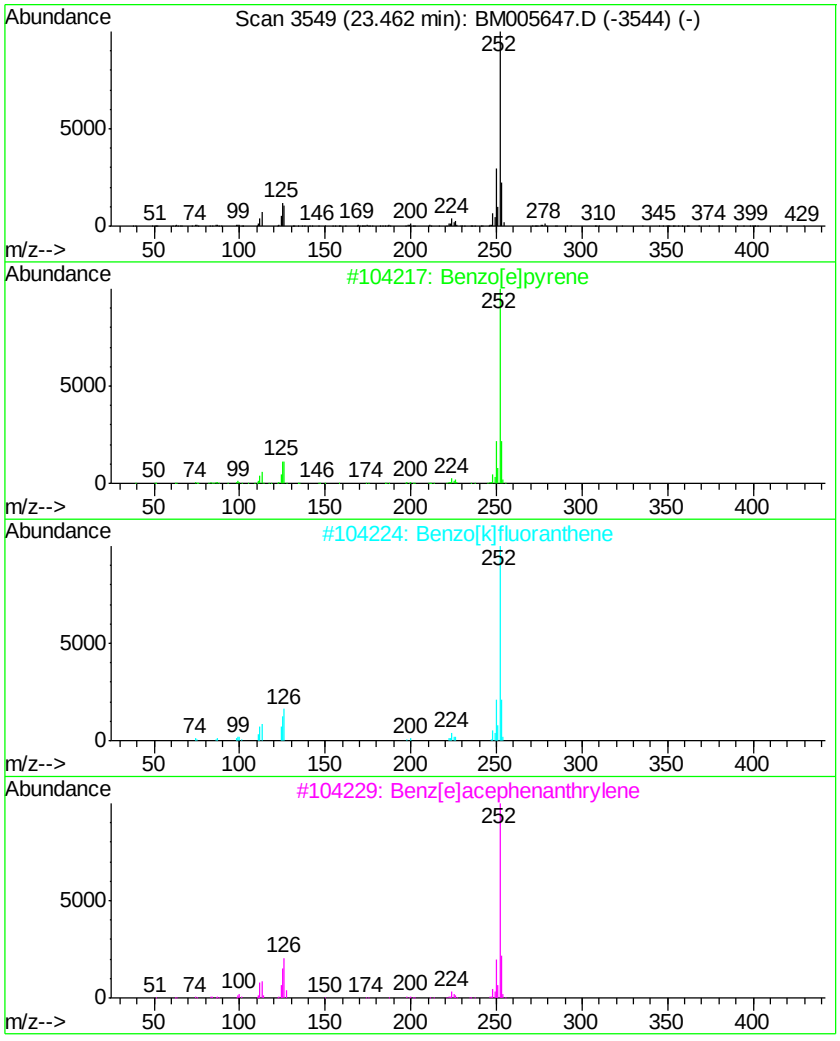
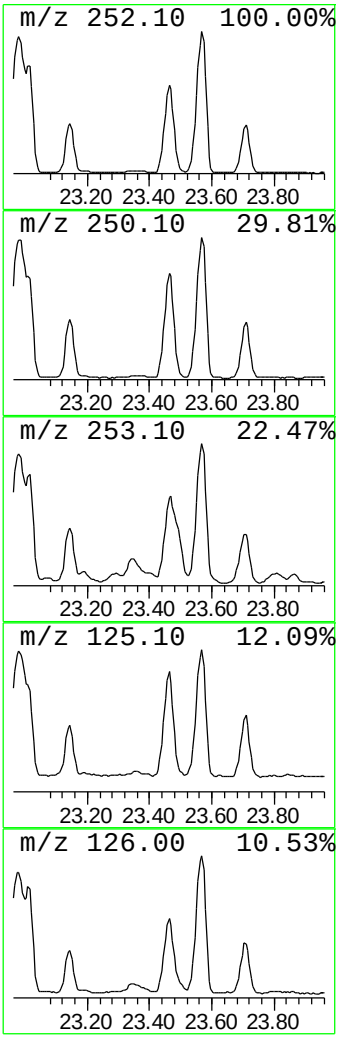
Peak Number 34 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.46	10.05 ng/ul	2329930	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94





Tentatively Identified Compound (LSC) summary

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Sample : H3086-03
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Instrument : BNA_M
ClientSampleId : JHGF4

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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
Benzene, 1-etheny...	7.44	3.4	ng/ul	108105	1	7.79	639072	20.0
Indene	8.32	8.7	ng/ul	276891	1	7.79	639072	20.0
Indole	12.09	2.9	ng/ul	162570	2	10.58	1128270	20.0
(DEL) Alkane: Str...	14.32	3.5	ng/ul	291046	3	14.43	1651790	20.0
1,1'-Biphenyl, 3-...	15.03	2.5	ng/ul	203689	3	14.43	1651790	20.0
unknown-01	15.21	2.3	ng/ul	192191	3	14.43	1651790	20.0
(DEL) Alkane: Str...	15.27	2.2	ng/ul	184678	3	14.43	1651790	20.0
(DEL) Alkane: Str...	16.16	14.2	ng/ul	1256110	4	17.17	1767430	20.0
(DEL) Alkane: Str...	16.92	2.5	ng/ul	218754	4	17.17	1767430	20.0
(DEL) Alkane: Str...	17.66	3.0	ng/ul	263554	4	17.17	1767430	20.0
Phenanthrene, 2-m...	18.10	4.2	ng/ul	366702	4	17.17	1767430	20.0
Anthracene, 2-met...	18.17	4.8	ng/ul	425543	4	17.17	1767430	20.0
4H-Cyclopenta[def...	18.24	11.8	ng/ul	1042930	4	17.17	1767430	20.0
(DEL) Alkane: Str...	18.36	4.7	ng/ul	417593	4	17.17	1767430	20.0
Naphthalene, 2-ph...	18.55	3.5	ng/ul	309980	4	17.17	1767430	20.0
(DEL) Alkane: Bra...	18.73	2.4	ng/ul	212652	4	17.17	1767430	20.0
Phenanthrene, 2,5...	18.96	5.7	ng/ul	500076	4	17.17	1767430	20.0
Cyclopenta(def)ph...	19.12	10.3	ng/ul	910918	4	17.17	1767430	20.0
1,3-Pentadiene, 1...	19.67	2.4	ng/ul	634971	5	21.37	5413800	20.0
9-(Cyanomethylene...	19.84	2.9	ng/ul	790071	5	21.37	5413800	20.0
Fluoranthene, 2-m...	19.93	4.4	ng/ul	1183530	5	21.37	5413800	20.0
11H-Benzo[b]fluorene	20.10	4.9	ng/ul	1332000	5	21.37	5413800	20.0
Pyrene, 2-methyl-	20.26	4.8	ng/ul	1285490	5	21.37	5413800	20.0
Pyrene, 1-methyl-	20.39	2.2	ng/ul	606787	5	21.37	5413800	20.0
11H-Benzo[a]fluor...	20.84	3.4	ng/ul	925595	5	21.37	5413800	20.0
Cyclopenta(cd)pyr...	21.04	2.8	ng/ul	747514	5	21.37	5413800	20.0
Cyclopenta[cd]pyrene	21.09	3.7	ng/ul	989749	5	21.37	5413800	20.0
unknown-02	21.52	2.2	ng/ul	599886	5	21.37	5413800	20.0
Benzo[e]pyrene	23.46	10.1	ng/ul	2329930	6	23.66	4637150	20.0