LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005029.D
Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

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-BM041416.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	5.334	445	450	458	rBB	75803	109955	1.09%	0.244%
2	5.463	467	472	485	rBB	222776	437668	4.35%	0.973%
3	5.834	528	535	545	rBB	129384	200180	1.99%	0.445%
4	7.034	733	739	745	rVB	84485	123375	1.23%	0.274%
5	7.457	804	811	817	rBV	196834	304481	3.03%	0.677%
6	7.528	817	823	832	rVB	312607	513722	5.11%	1.142%
7	7.810	865	871	880	rBB	170963	279581	2.78%	0.622%
8	8.181	927	934	942	rBV	939830	1551332	15.43%	3.449%
9	8.345	954	962	973	rVB	1396596	2368408	23.55%	5.266%
10	9.157	1094	1100	1106	rVB	90455	142579	1.42%	0.317%
11	9.281	1110	1121	1127	rBV	198572	427062	4.25%	0.950%
12	9.339	1127	1131	1140	rVB	64618	103024	1.02%	0.229%
13	9.845	1211	1217	1225	rBV2	66134	110807	1.10%	0.246%
14	9.998	1236	1243	1254	rBV3	87341	213322	2.12%	0.474%
15	10.227	1277	1282	1289	rBB2	75296	123498	1.23%	0.275%
16	10.604	1336	1346	1348	rBV	195717	352656	3.51%	0.784%
17	10.675	1348	1358	1364	rVV	4044458	10056149	100.00%	22.359%
18	10.775	1367	1375	1383	rVB	633166	1058572	10.53%	2.354%
19	12.263	1619	1628	1635	rBV	1729364	3031251	30.14%	6.740%
20	12.480	1653	1665	1676	rVB	931983	1576810	15.68%	3.506%
21	13.274	1792	1800	1808	rBV	382546	563816	5.61%	1.254%
22	13.468	1828	1833	1844	rVB	105266	176511	1.76%	0.392%
23	13.621	1847	1859	1866	rBB	129727	343676	3.42%	0.764%
24	13.763	1876	1883	1888	rBV	186358	326292	3.24%	0.725%
25	13.816	1888	1892	1896	rVV	130335	198016	1.97%	0.440%
26	13.998	1918	1923	1927	rBV	72898	110600	1.10%	0.246%
27	14.163	1948	1951	1958	rVB2	74257	110244	1.10%	0.245%
28	14.445	1989	1999	2004	rBV3	332158	623402	6.20%	1.386%
29	14.510	2004	2010	2017	rVV	1146498	1767622	17.58%	3.930%
30	14.574	2017	2021	2028	rVB	103828	147862	1.47%	0.329%
31	14.845	2060	2067	2074	rVV	848151	1305989	12.99%	2.904%
32	15.439	2159	2168	2172	rBV2	64014	102532	1.02%	0.228%
33	15.492	2172	2177	2186	rVB	833838	1269801	12.63%	2.823%
34	15.657	2201	2205	2209	rVB2	85795	119711	1.19%	0.266%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005029.D
Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

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-BM041416.M
Title : SVOA CALIBRATION

35	15.786	2223	2227	2234	rVB	118316	169800	1.69%	0.378%
36	15.933	2247	2252	2260	rVB	128248	247363	2.46%	0.550%
37	16.492	2336	2347	2352	rBV3	68698	161549	1.61%	0.359%
38	17.009	2430	2435	2444	rVB	181686	258263	2.57%	0.574%
39	17.192	2460	2466	2469	rBV	394360	598779	5.95%	1.331%
40	17.239	2469	2474	2479	rVV	2030941	3210453	31.93%	7.138%
41	17.292	2479	2483	2485	rVV2	141164	199706	1.99%	0.444%
42	17.321	2485	2488	2494	rVB	256357	352568	3.51%	0.784%
43	17.592	2527	2534	2547	rBV	333054	493134	4.90%	1.096%
44	18.062	2609	2614	2618	rBV	155432	232351	2.31%	0.517%
45	18.109	2618	2622	2629	rVB	220722	318460	3.17%	0.708%
46	18.262	2641	2648	2652	rVV2	297715	487172	4.84%	1.083%
47	18.562	2695	2699	2704	rBV	110365	145514	1.45%	0.324%
48	19.250	2810	2816	2823	rBV	1417037	2035784	20.24%	4.526%
49	19.586	2866	2873	2874	rBV3	341516	463818	4.61%	1.031%
50	19.615	2874	2878	2886	rVV	998501	1487652	14.79%	3.308%
51	19.933	2926	2932	2939	rBV4	53802	128182	1.27%	0.285%
52	20.062	2949	2954	2958	rBV2	49687	105606	1.05%	0.235%
53	20.109	2958	2962	2967	rVB	179270	244510	2.43%	0.544%
54	20.209	2974	2979	2983	rBV	199706	259946	2.58%	0.578%
55	20.262	2983	2988	2993	rVV2	56642	101000	1.00%	0.225%
56	21.374	3169	3177	3181	rBV2	669487	1316006	13.09%	2.926%
57	21.415	3181	3184	3194	rVB	259764	345503	3.44%	0.768%
58	21.533	3200	3204	3210	rBV2	81820	103137	1.03%	0.229%
59	22.980	3442	3450	3455	rBV	125444	323010	3.21%	0.718%
60	23.462	3527	3532	3537	rBV	57904	107538	1.07%	0.239%
61	23.562	3545	3549	3558	rVB	102076	189923	1.89%	0.422%
62	23.662	3559	3566	3573	rBV	321641	637932	6.34%	1.418%

Sum of corrected areas: 44975165

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
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Acq On : 21 Apr 2016 18:02
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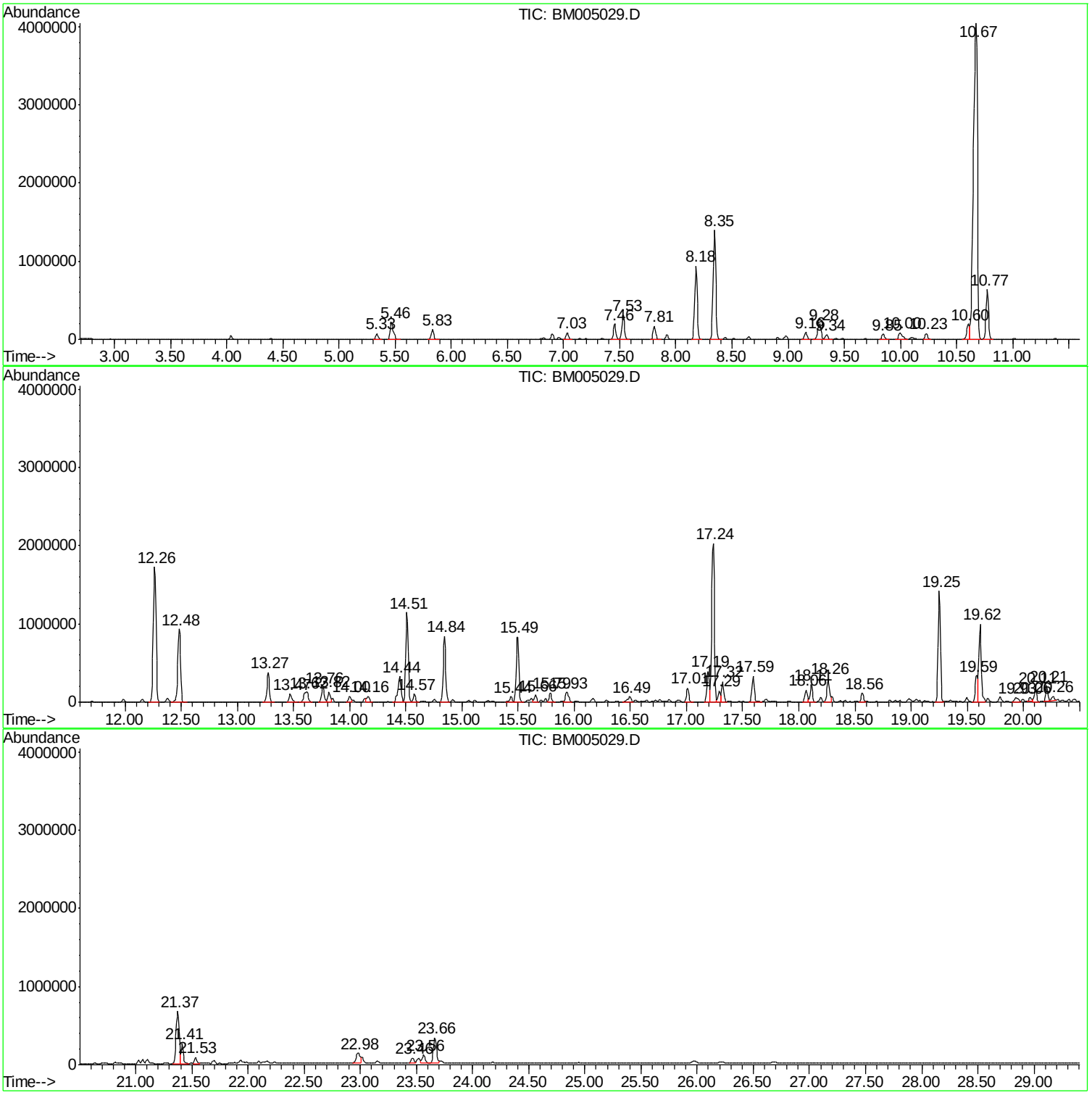
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005029.D
Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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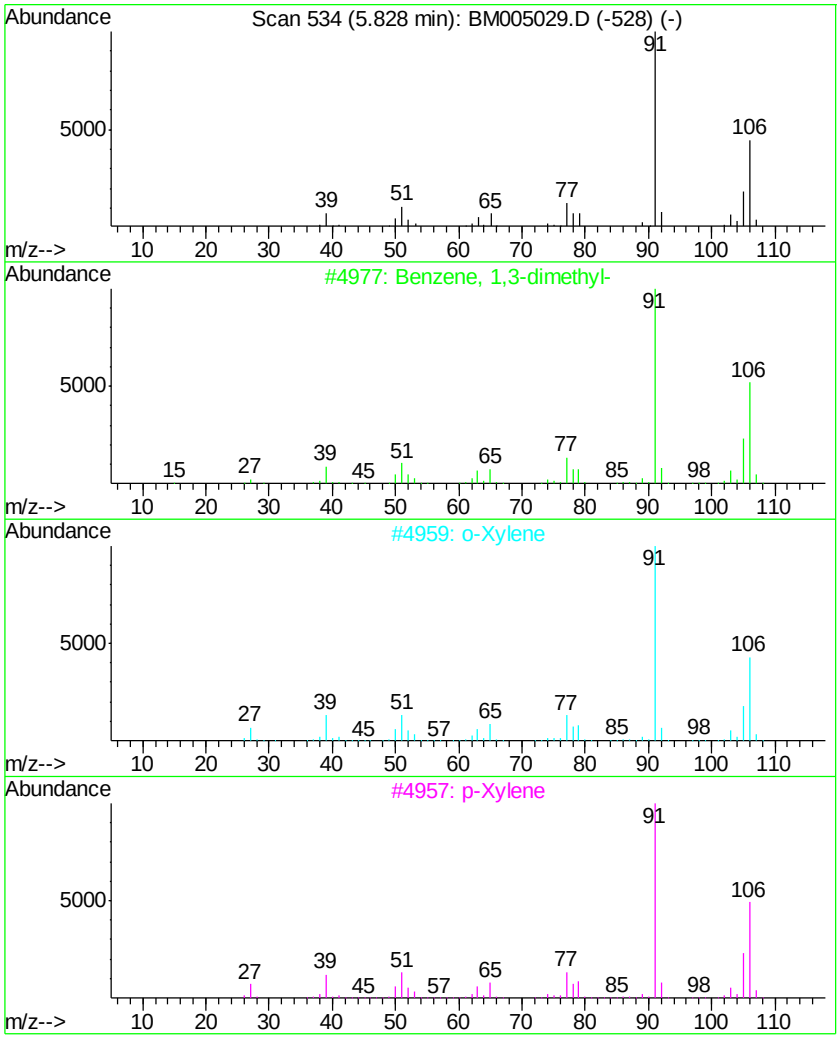
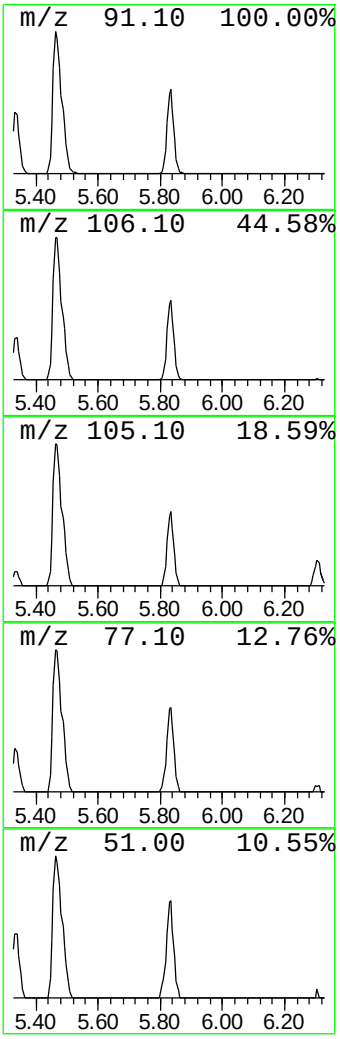
Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.83	14.32 ng/ul	200180	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	o-Xylene	106	C8H10	000095-47-6	97
3	p-Xylene	106	C8H10	000106-42-3	97
4	o-Xylene	106	C8H10	000095-47-6	97
5	p-Xylene	106	C8H10	000106-42-3	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005029.D
Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

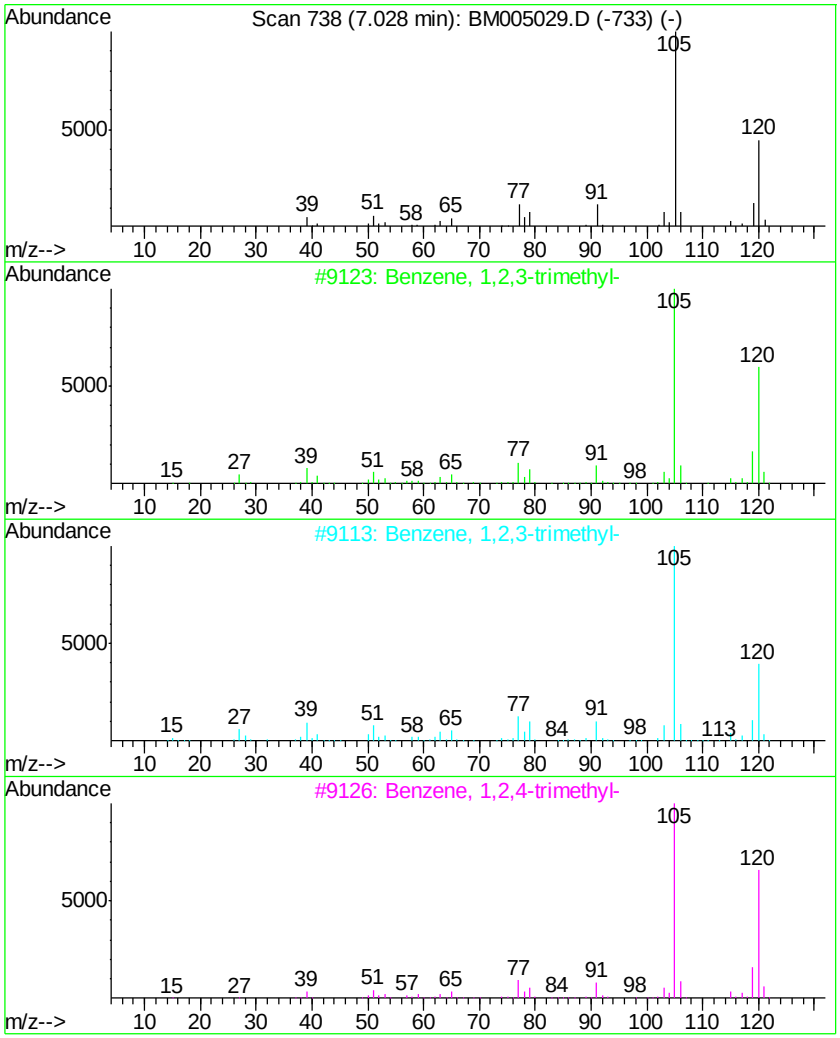
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

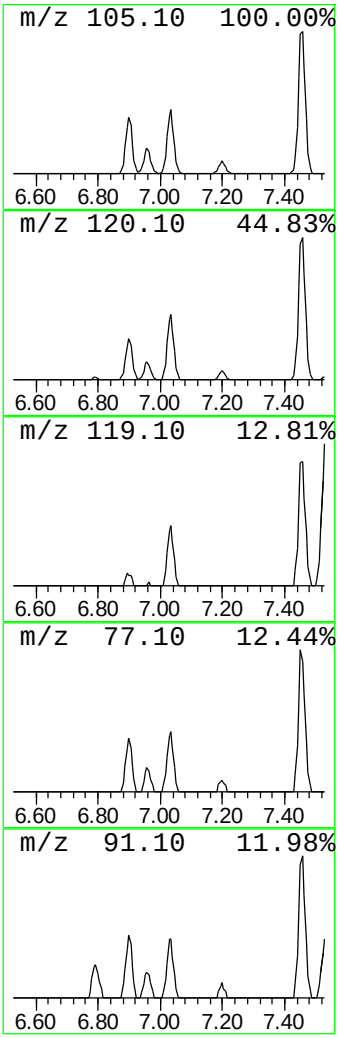
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	8.83 ng/ul	123375	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005029.D
Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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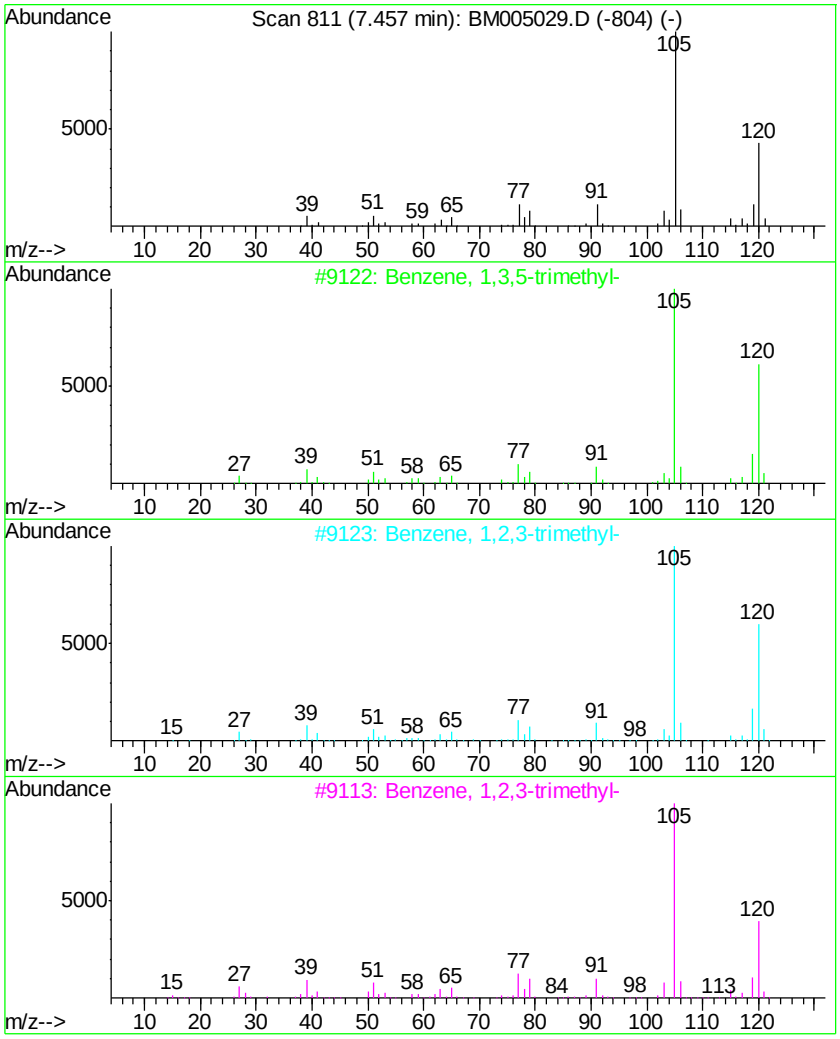
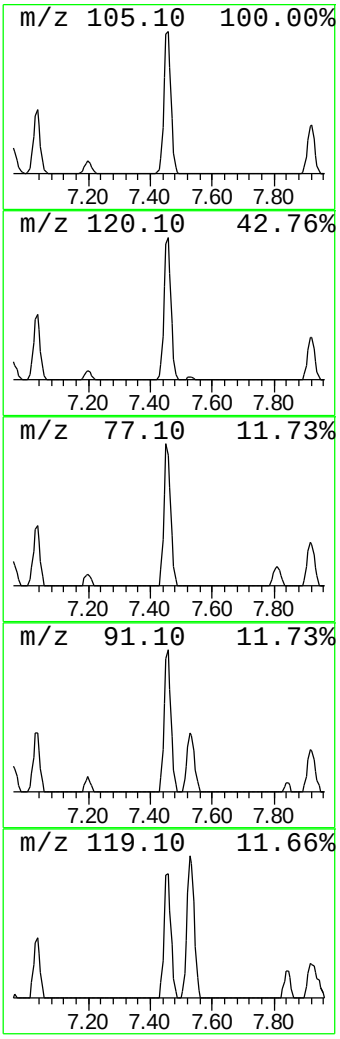
Peak Number 5 Benzene, 1,3,5-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	21.78 ng/ul	304481	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005029.D
Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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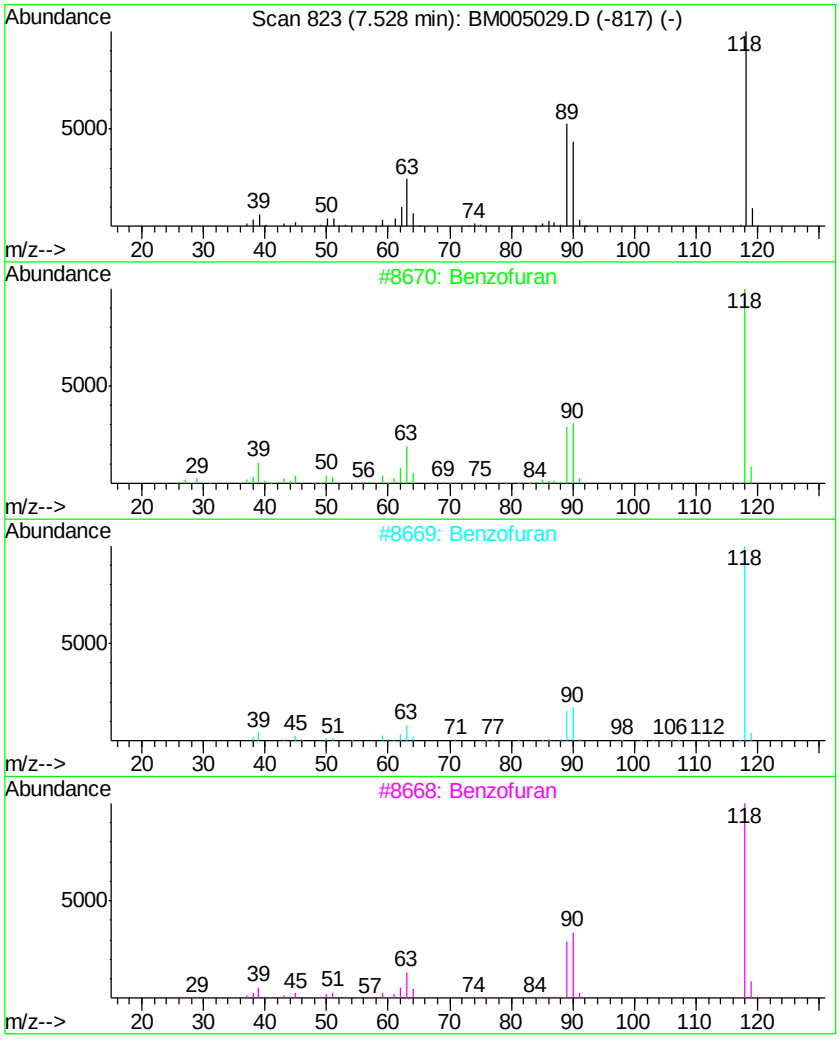
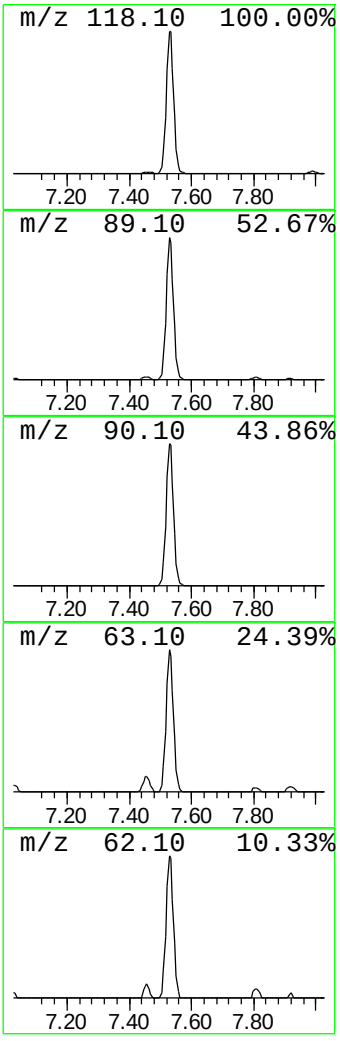
Peak Number 6 Benzofuran Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	36.75 ng/ul	513722	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	91
2	Benzofuran	118	C8H6O	000271-89-6	90
3	Benzofuran	118	C8H6O	000271-89-6	87
4	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	72
5	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	45





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
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Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

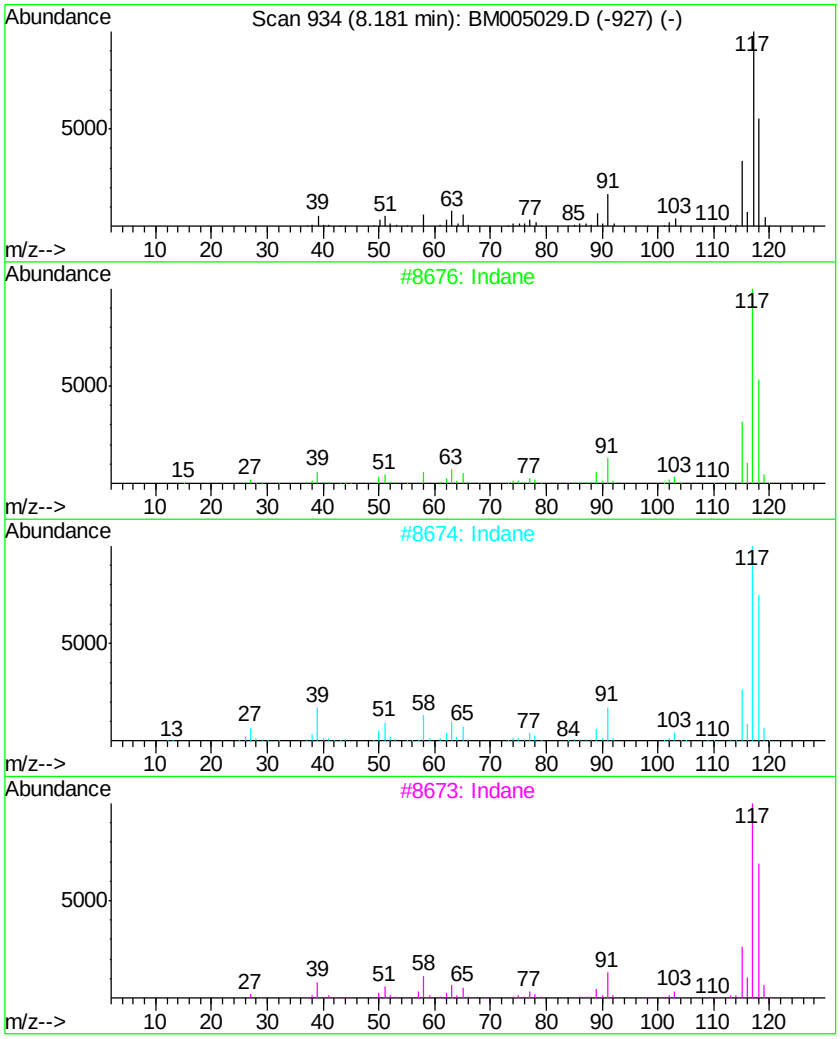
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

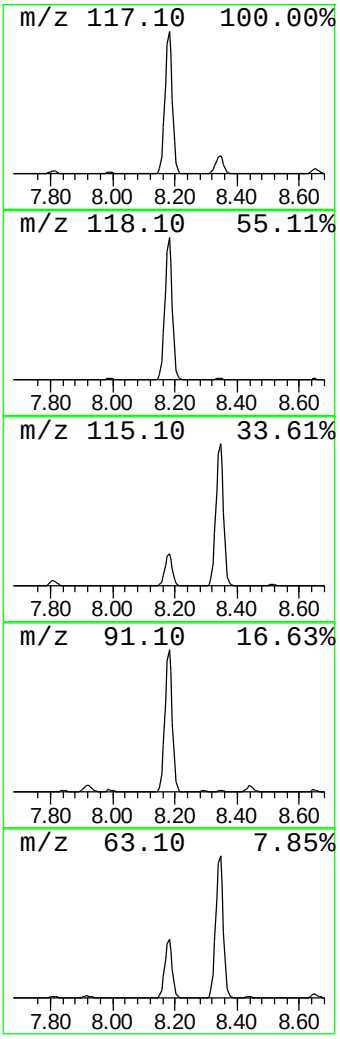
****

Peak Number 7 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	110.98 ng/ul	1551330	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	87
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
5	Deltacyclene	118	C9H10	007785-10-6	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005029.D
Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

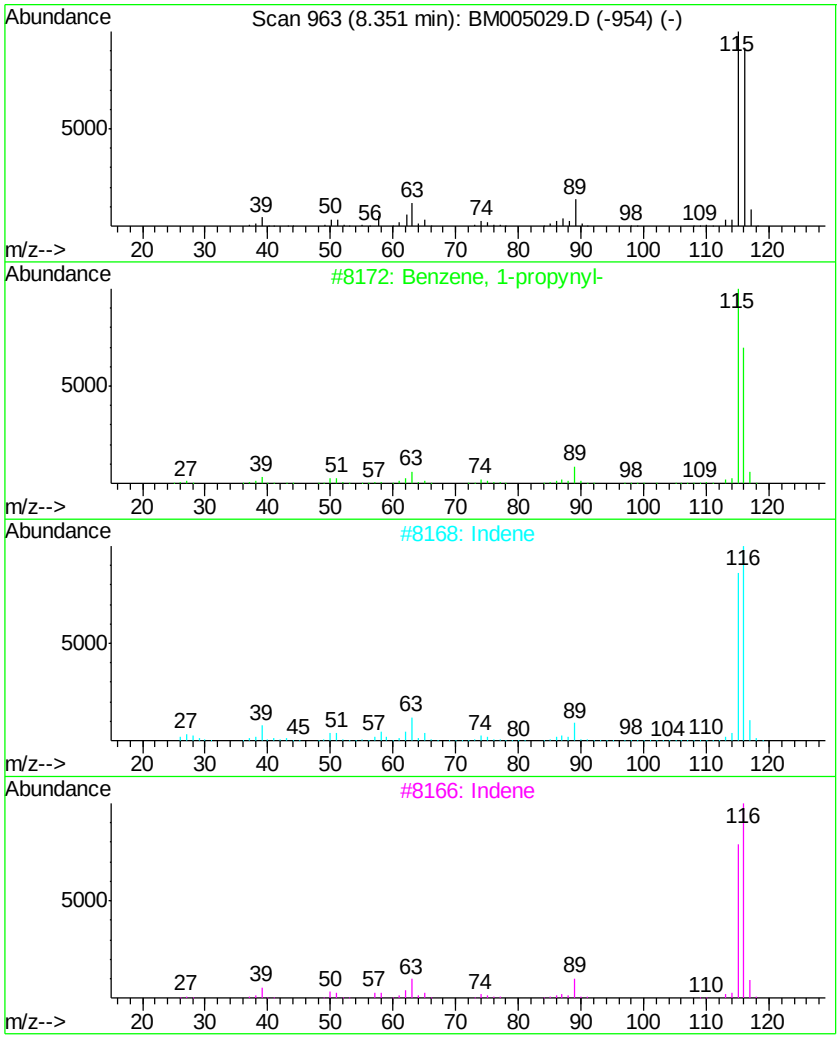
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

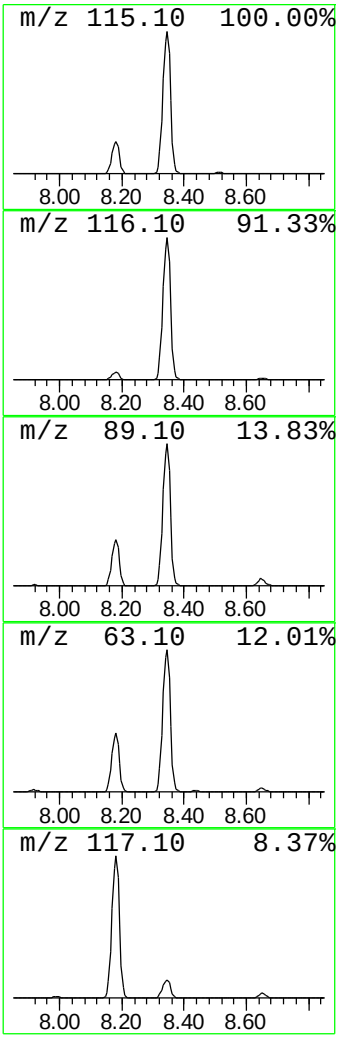
****

Peak Number 8 Benzene, 1-propynyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	169.43 ng/ul	2368410	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	86





Library Search Compound Report

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Data File : BM005029.D
Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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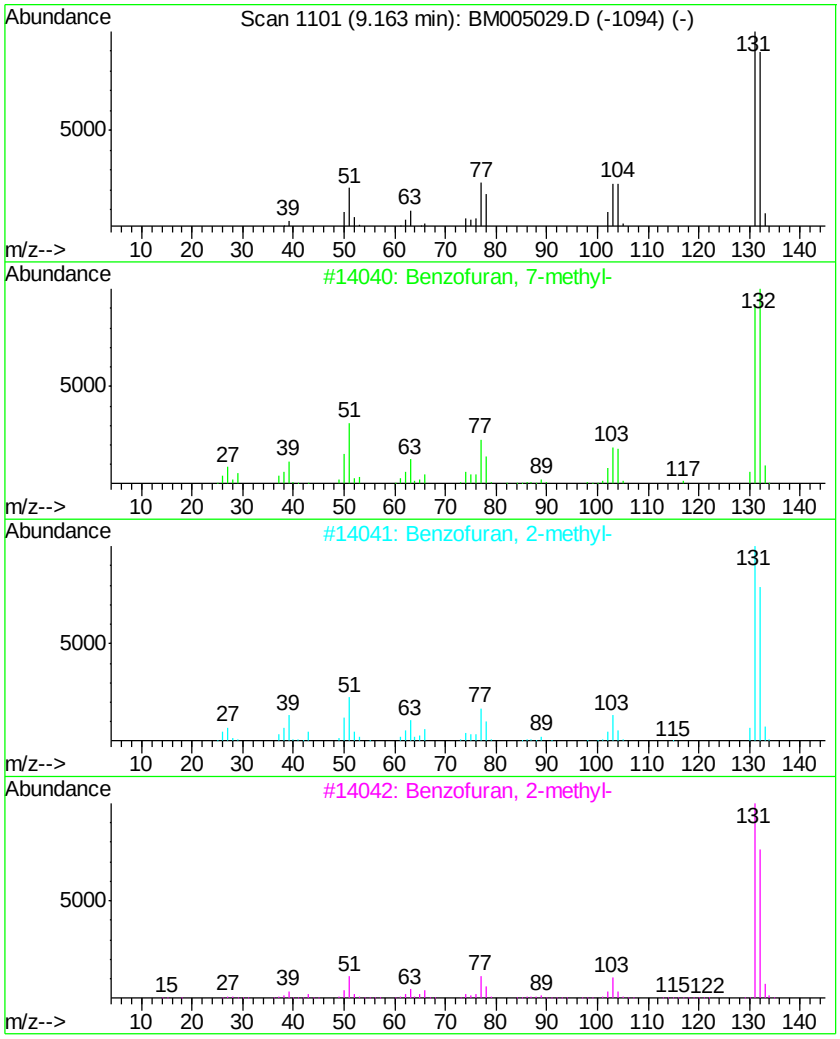
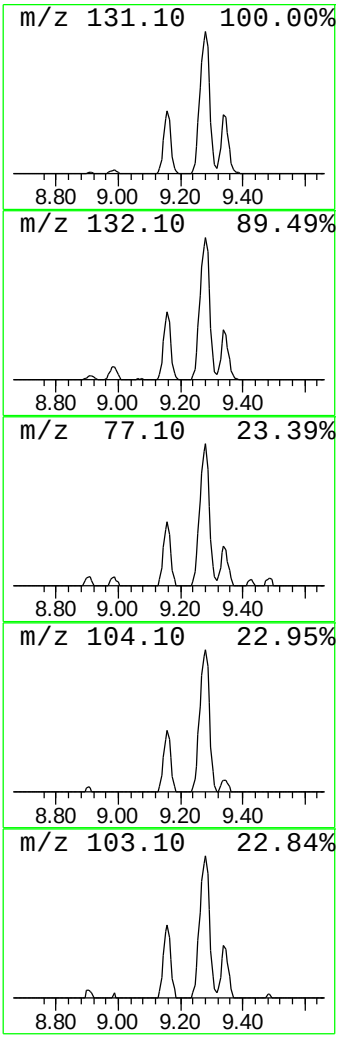
Peak Number 9 Benzofuran, 7-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	10.20 ng/ul	142579	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005029.D
Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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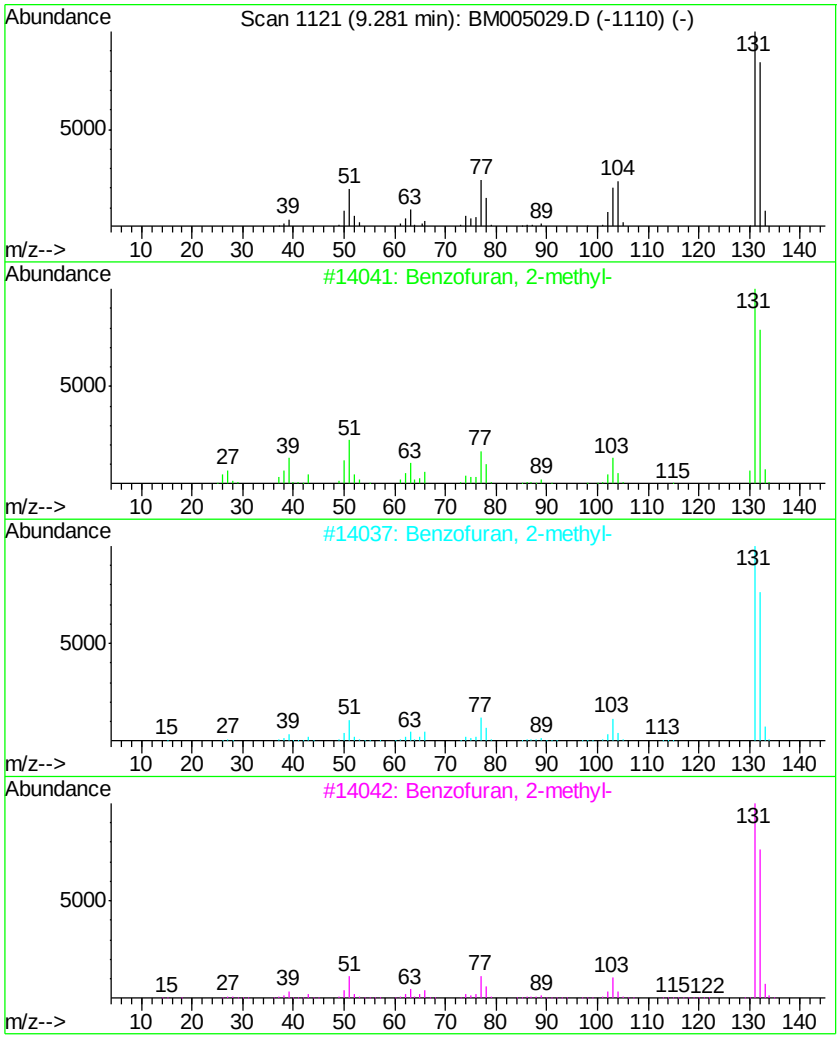
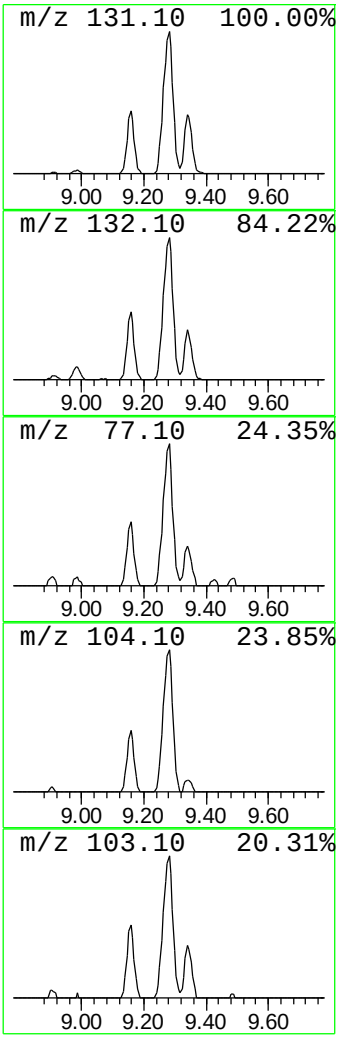
Peak Number 10 Benzofuran, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	24.22 ng/ul	427062	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90





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Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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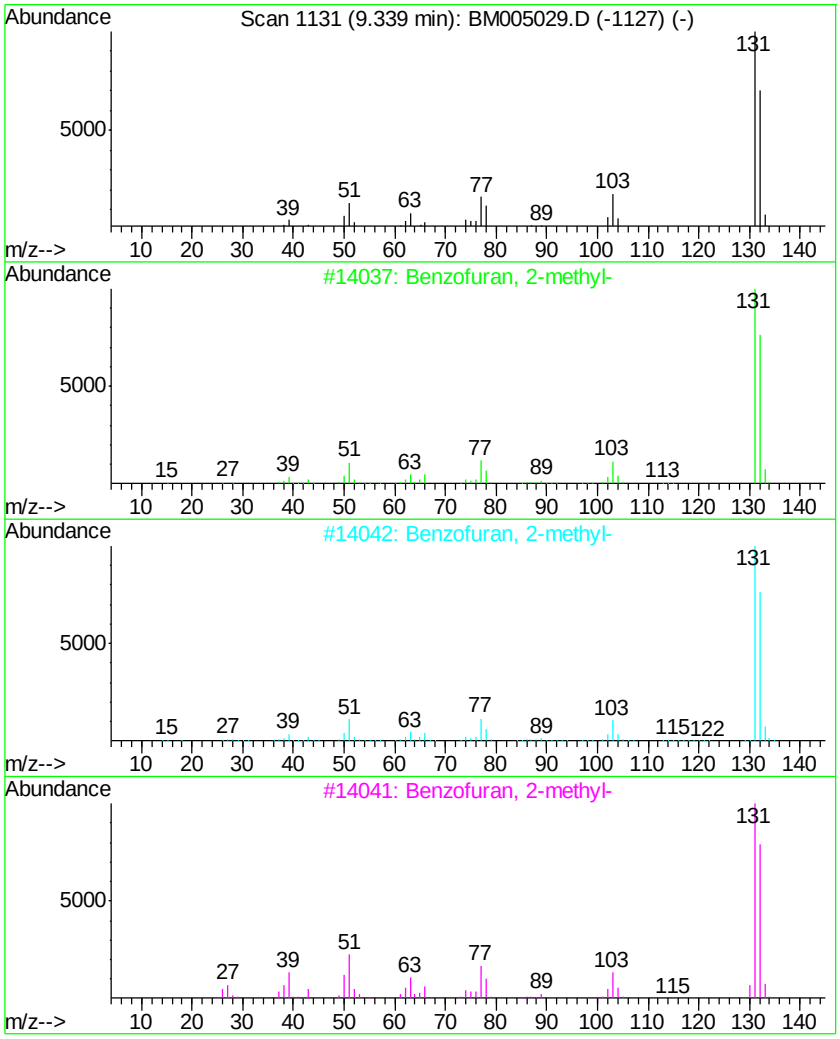
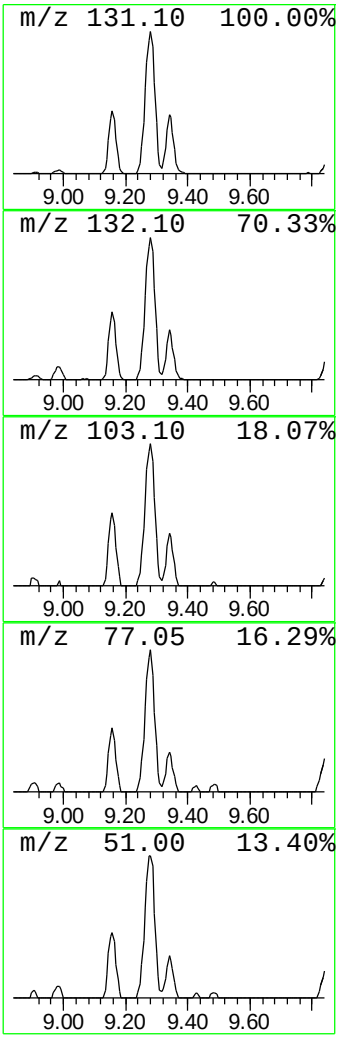
Peak Number 11 3-Phenyl-2-propyn-1-ol Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	5.84 ng/ul	103024	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	83





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Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

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Quant Title : SVOA CALIBRATION

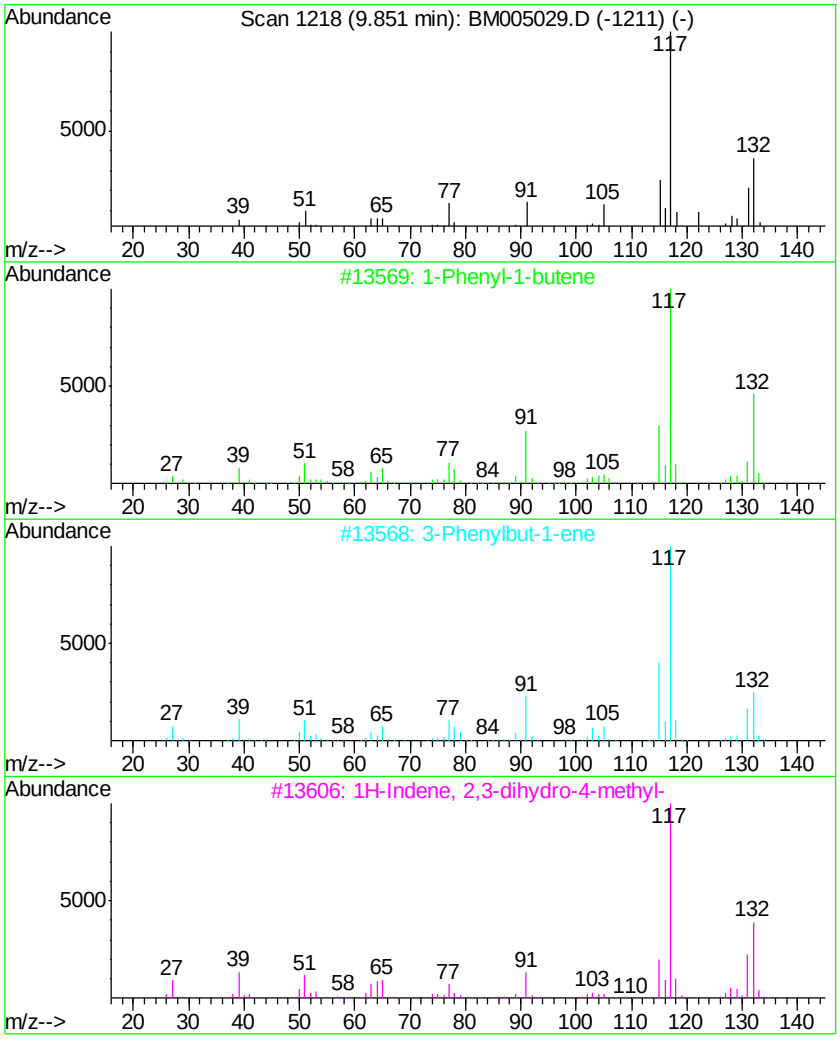
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

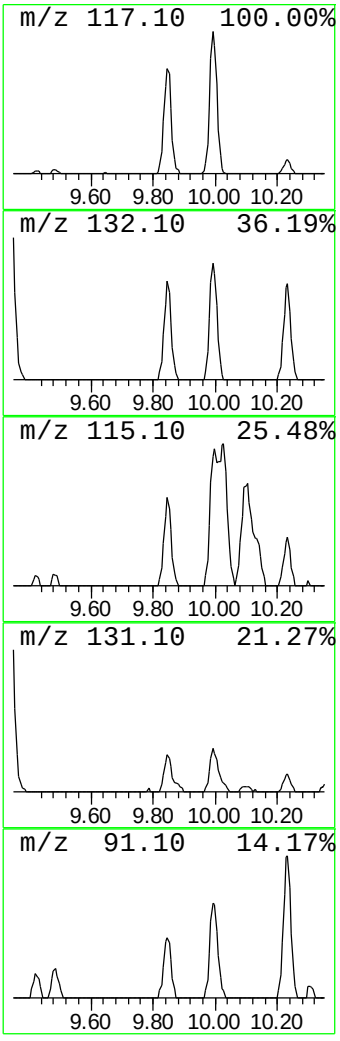
****

Peak Number 12 1-Phenyl-1-butene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	6.28 ng/ul	110807	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
5	Indan, 1-methyl-	132	C10H12	000767-58-8	87





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ALS Vial : 42 Sample Multiplier: 1

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ClientSampleId : BC7M3DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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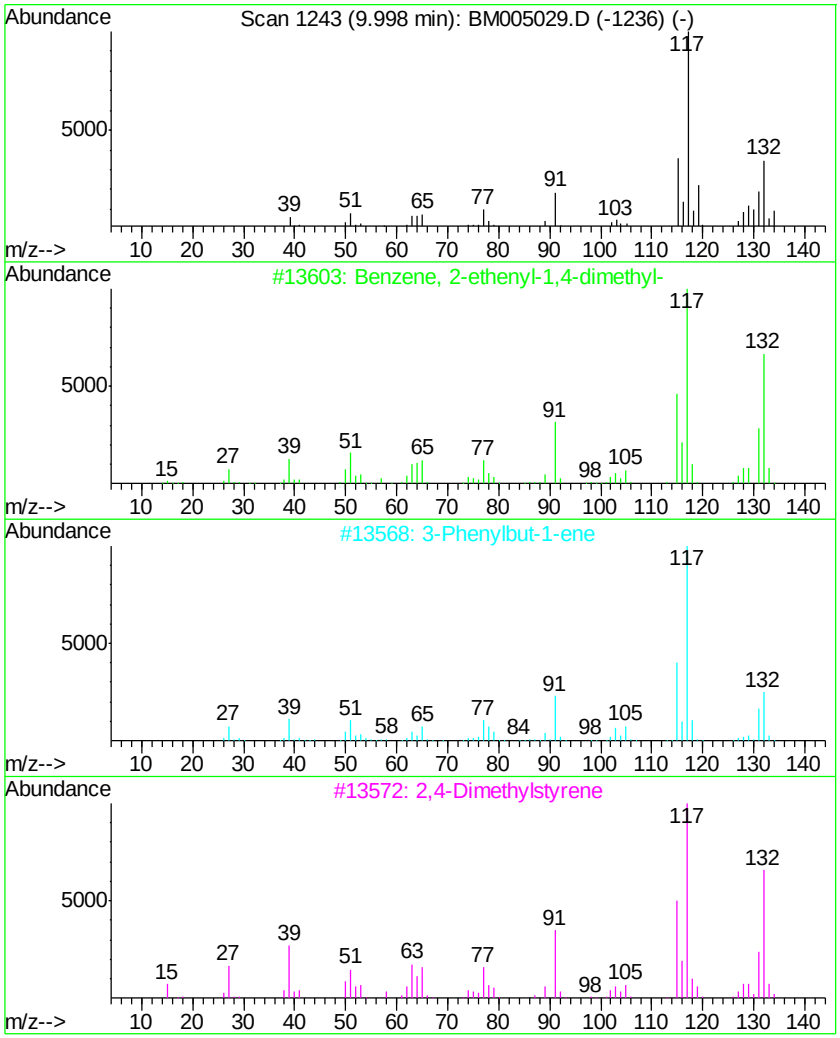
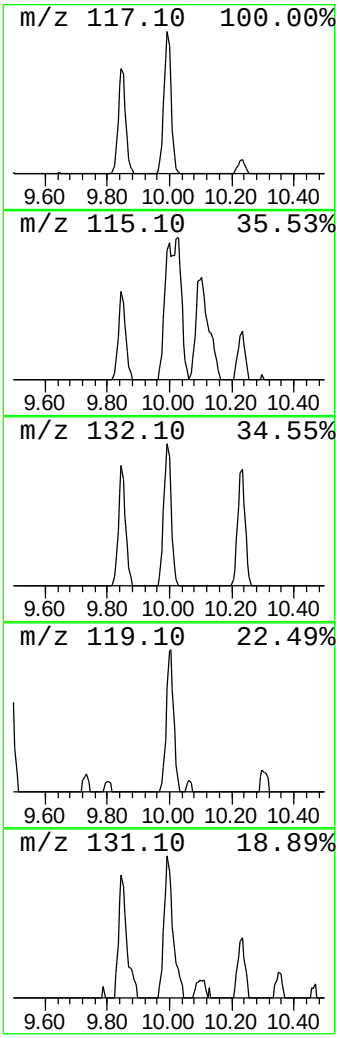
Peak Number 13 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	12.10 ng/ul	213322	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	76
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70





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Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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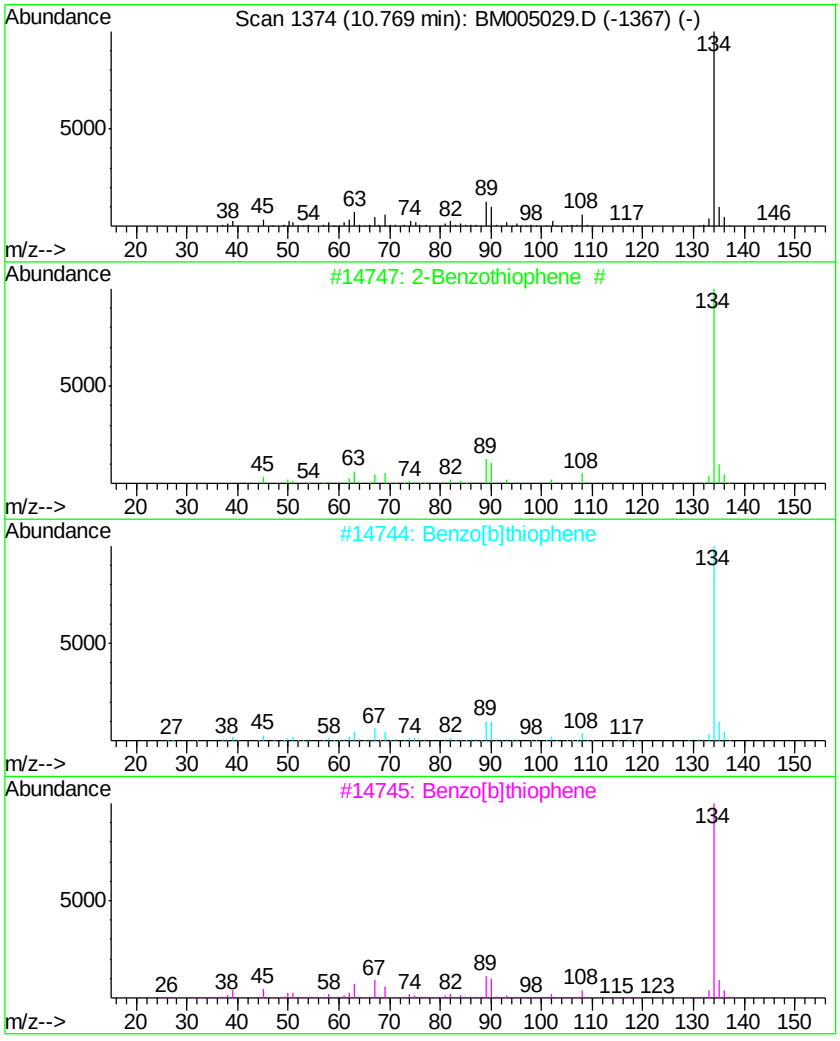
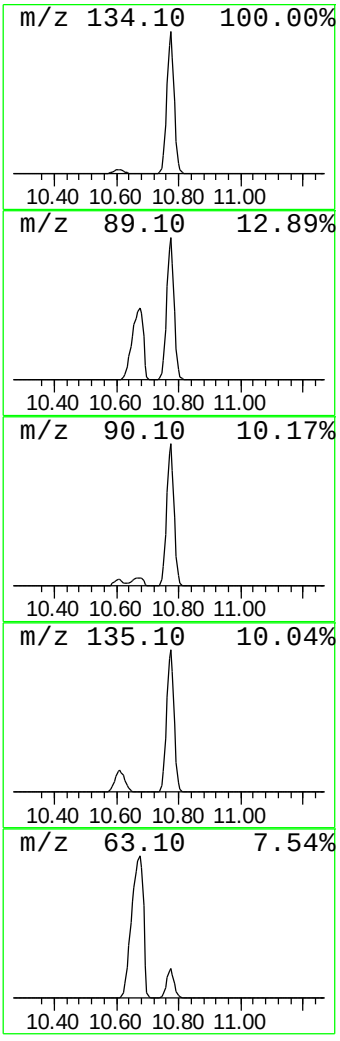
Peak Number 14 2-Benzothiophene # Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	60.03 ng/ul	1058570	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	90





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Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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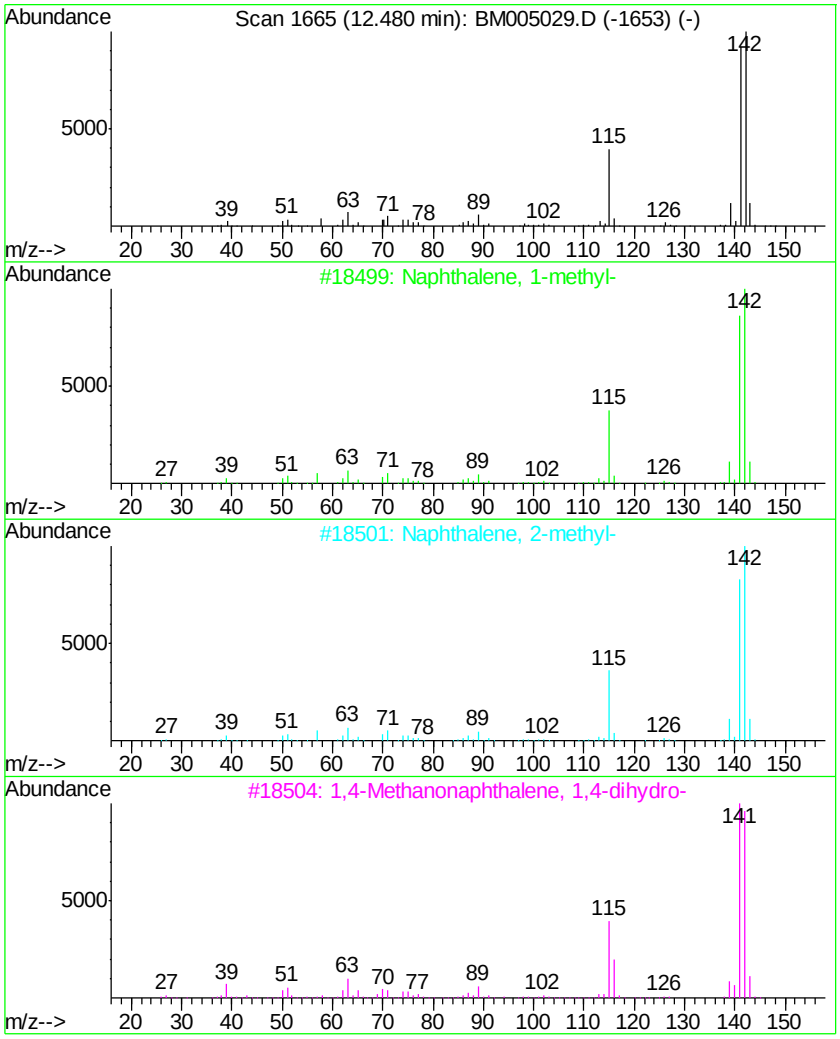
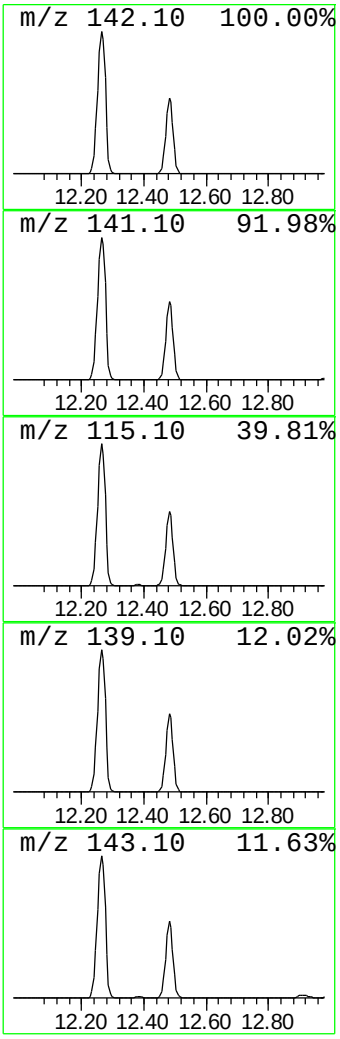
Peak Number 15 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	89.42 ng/ul	1576810	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





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Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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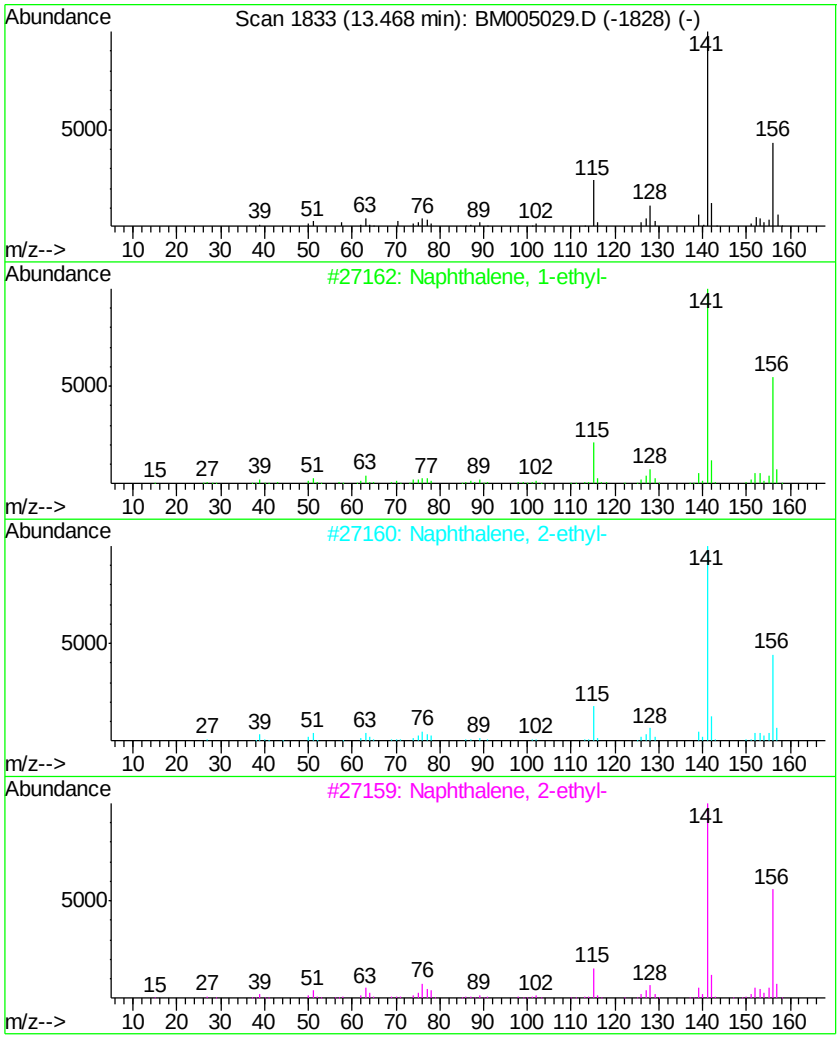
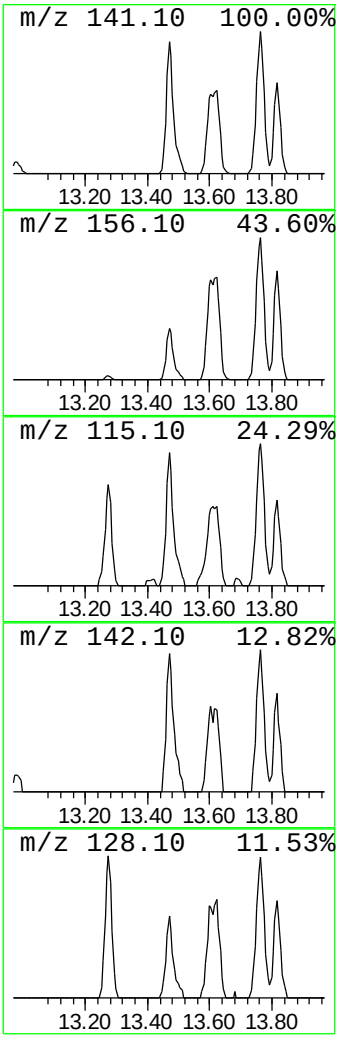
Peak Number 16 Naphthalene, 1-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	5.66 ng/ul	176511	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90





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Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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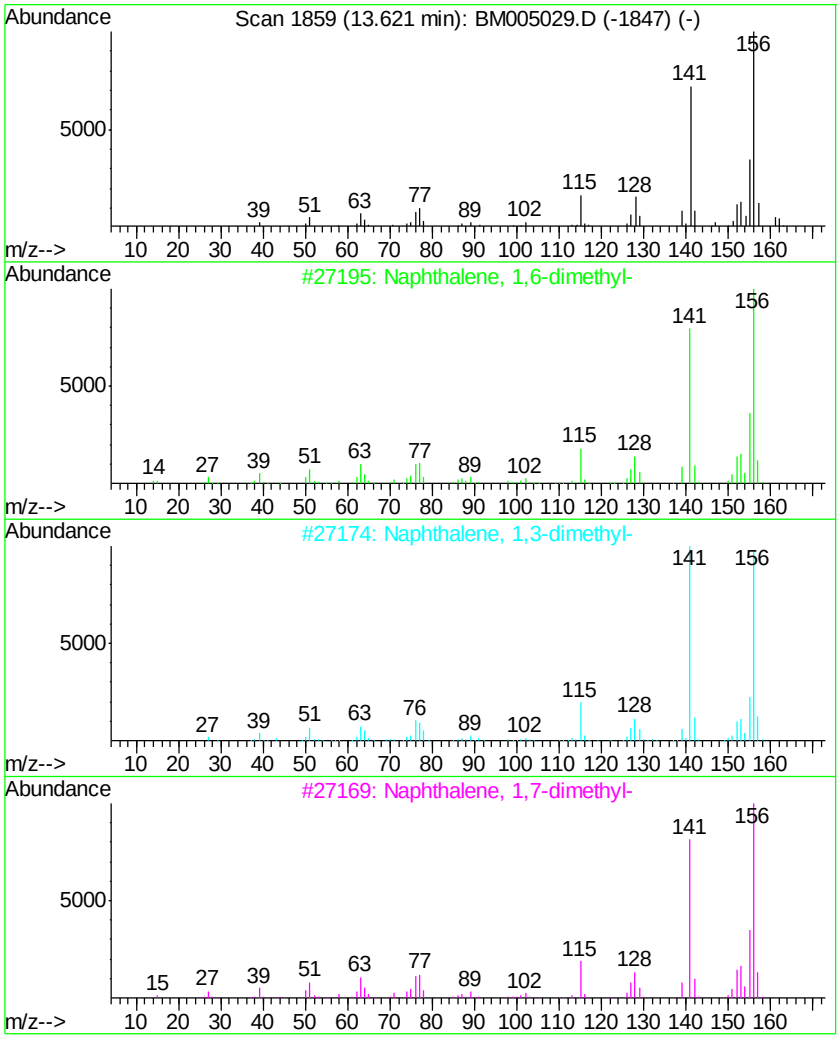
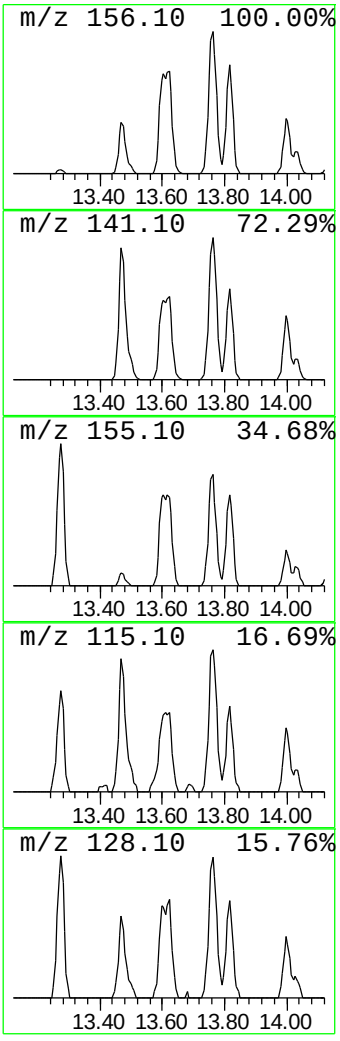
Peak Number 17 Naphthalene, 1,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	11.03 ng/ul	343676	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	10.47 ng/ul	326292	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
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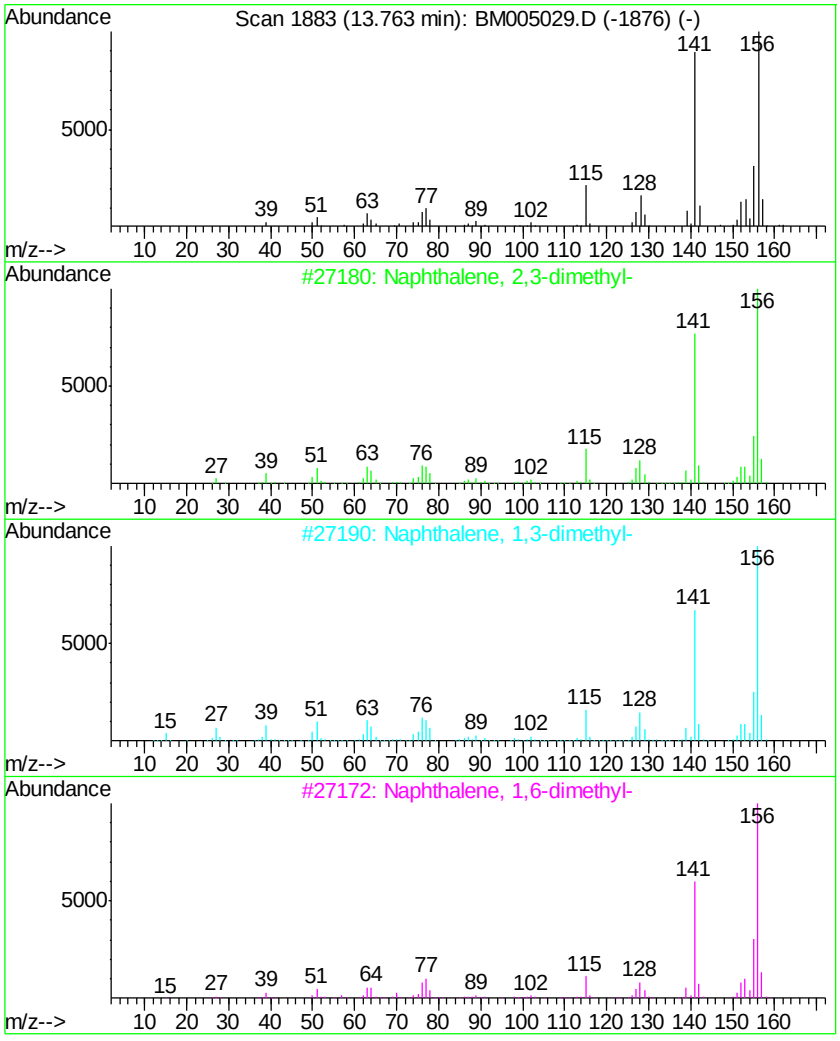

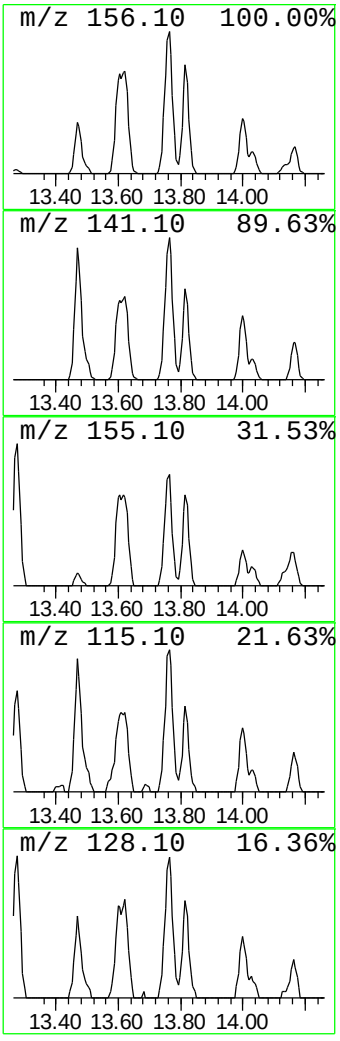

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Sample : H2567-05DL 10X
Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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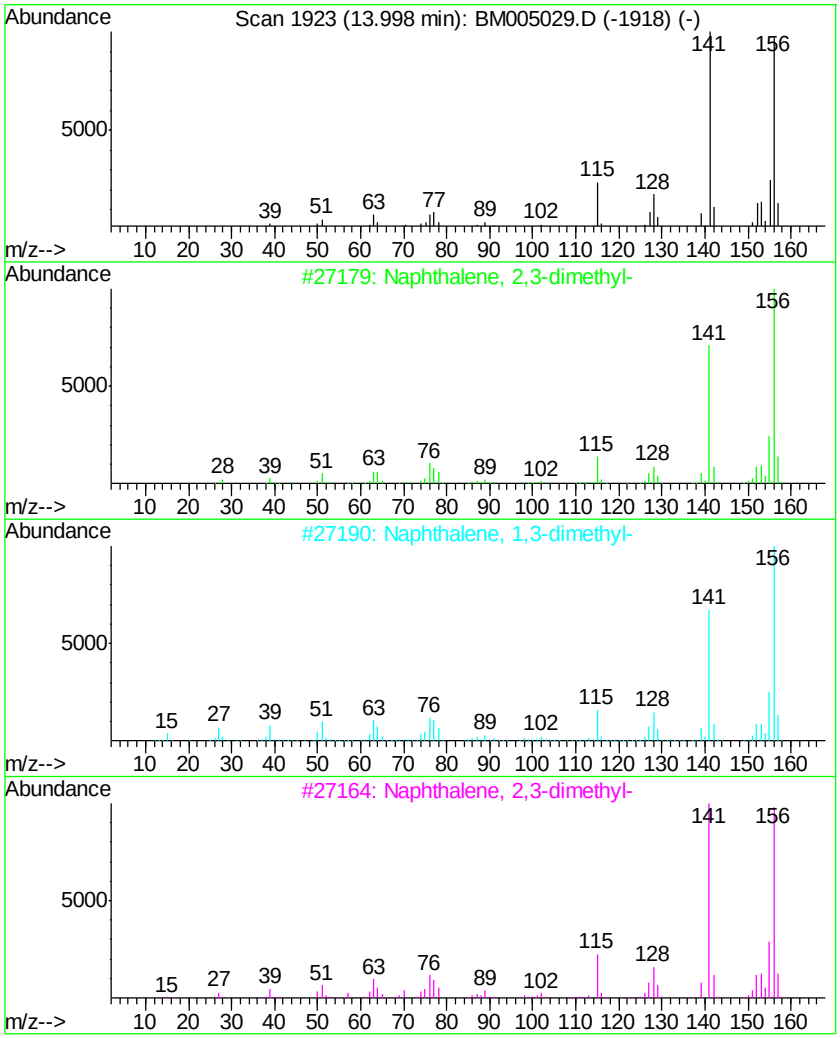
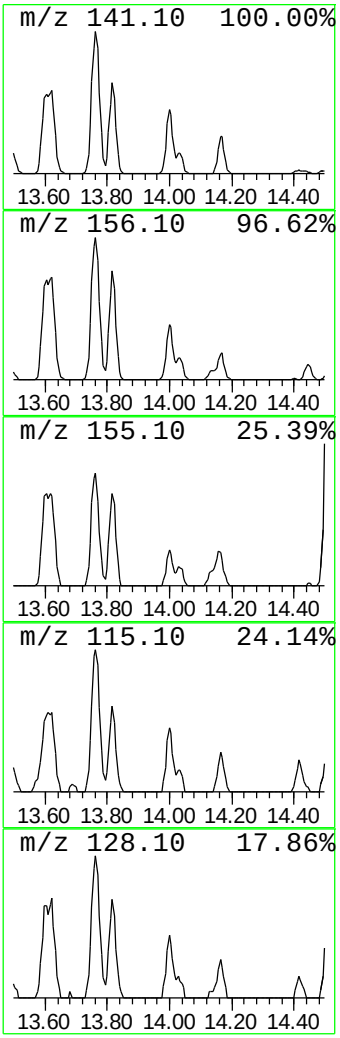
Peak Number 19 Naphthalene, 1,3-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	3.55 ng/ul	110600	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 20 2-Naphthalenecarbonitrile Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	4.74 ng/ul	147862	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
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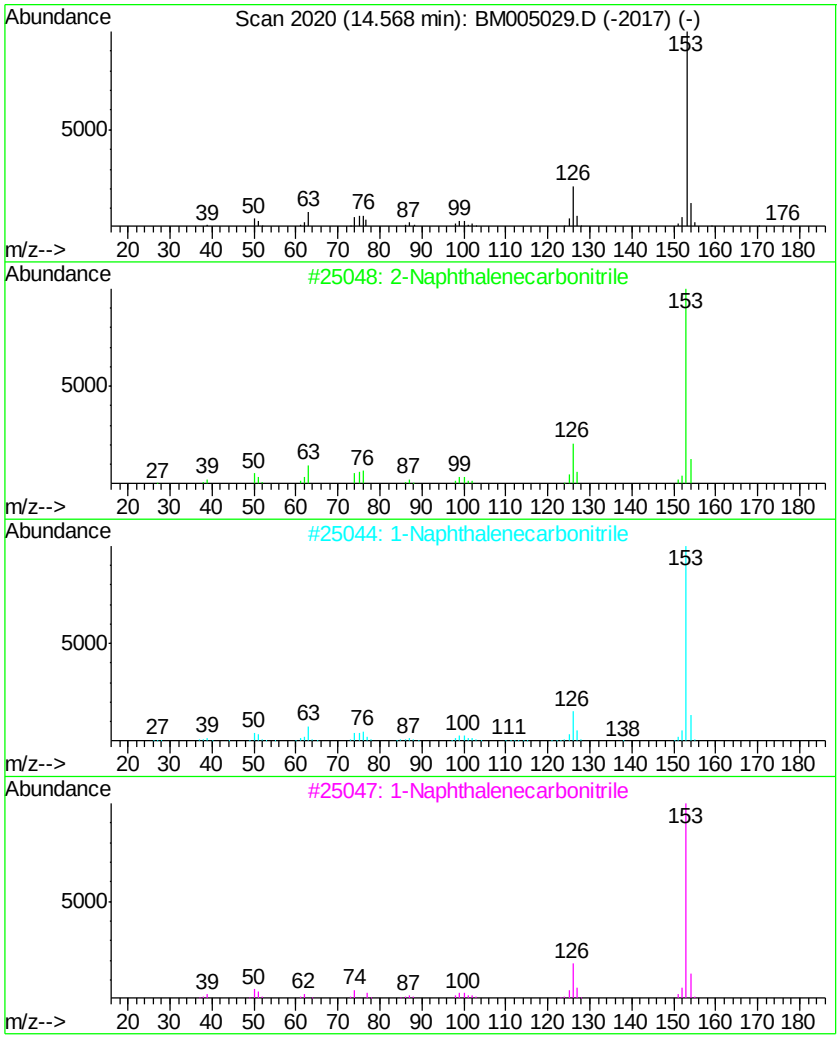

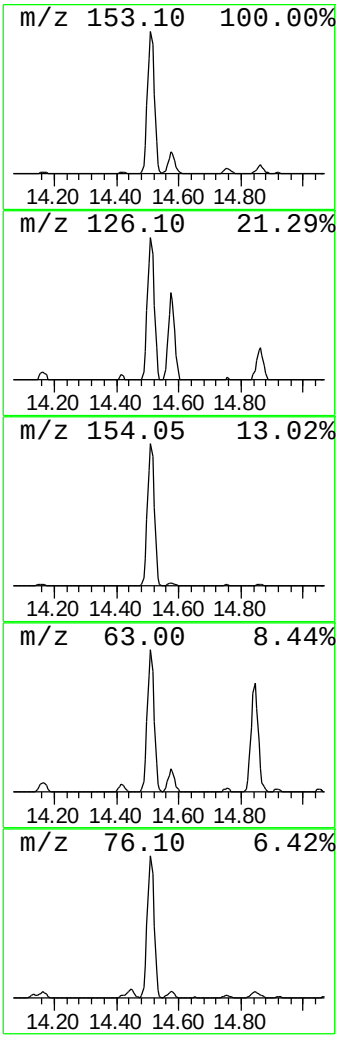

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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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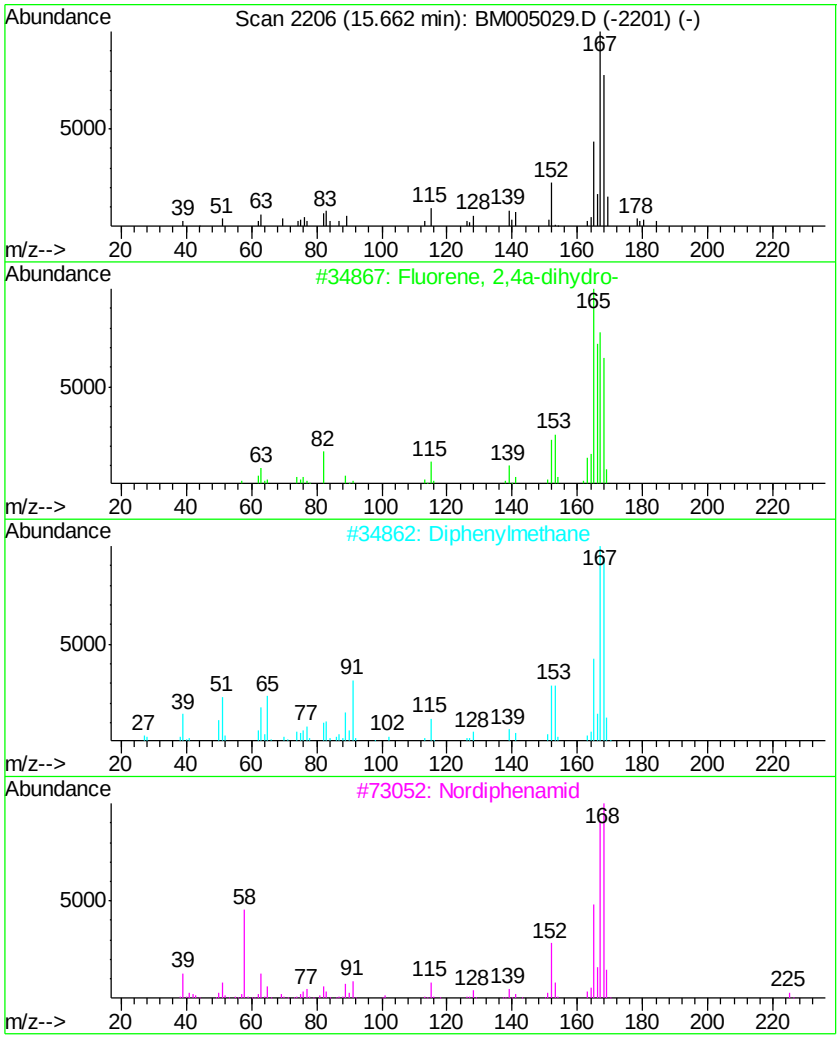
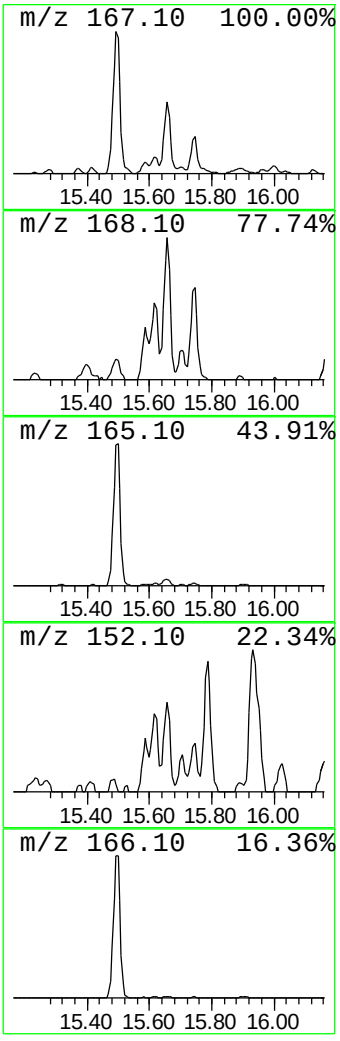
Peak Number 21 Fluorene, 2,4a-dihydro- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	3.84 ng/ul	119711	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	89
2	Diphenylmethane	168	C13H12	000101-81-5	89
3	Nordiphenamid	225	C15H15NO	000954-21-2	86
4	Diphenylmethane	168	C13H12	000101-81-5	76
5	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	76





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ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

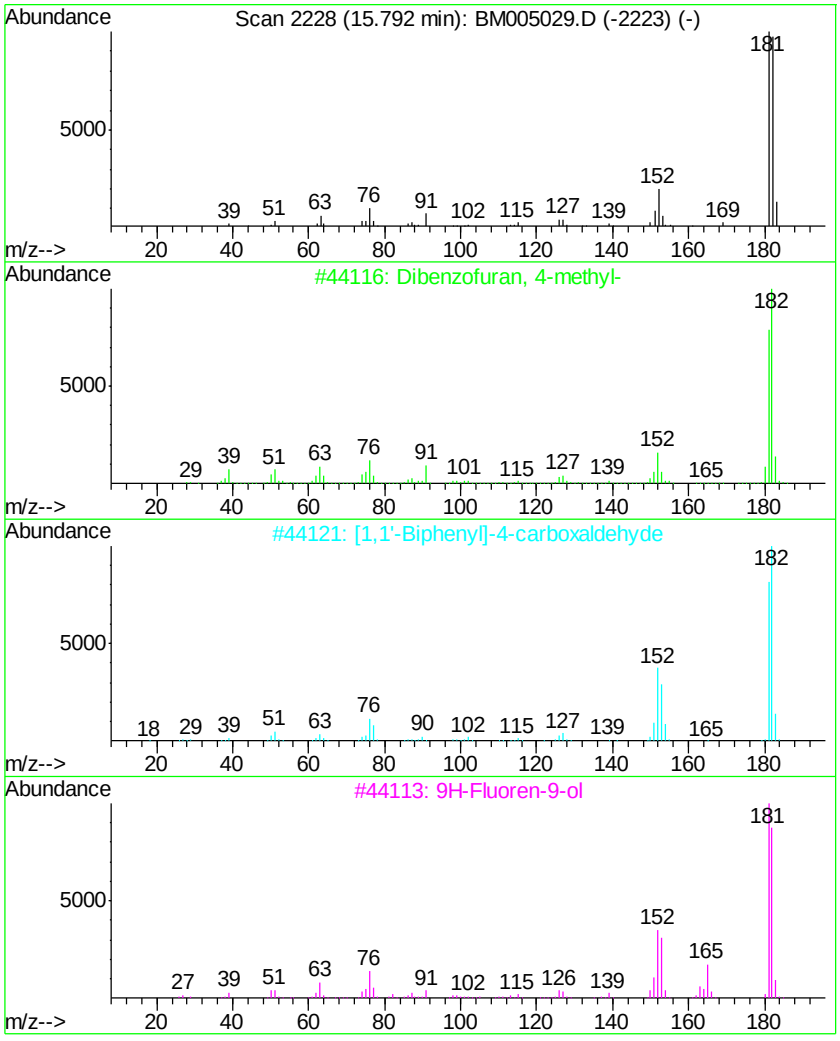
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

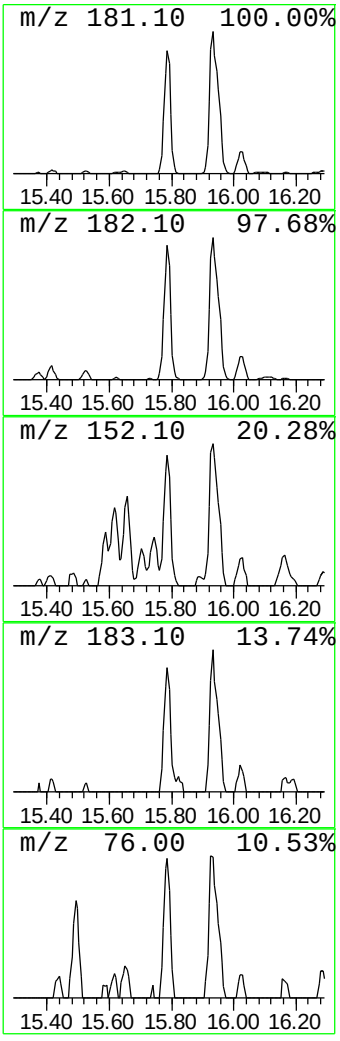
****

Peak Number 22 Dibenzofuran, 4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	5.45 ng/ul	169800	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	9H-Xanthene	182	C13H10O	000092-83-1	64
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	58





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Data File : BM005029.D
Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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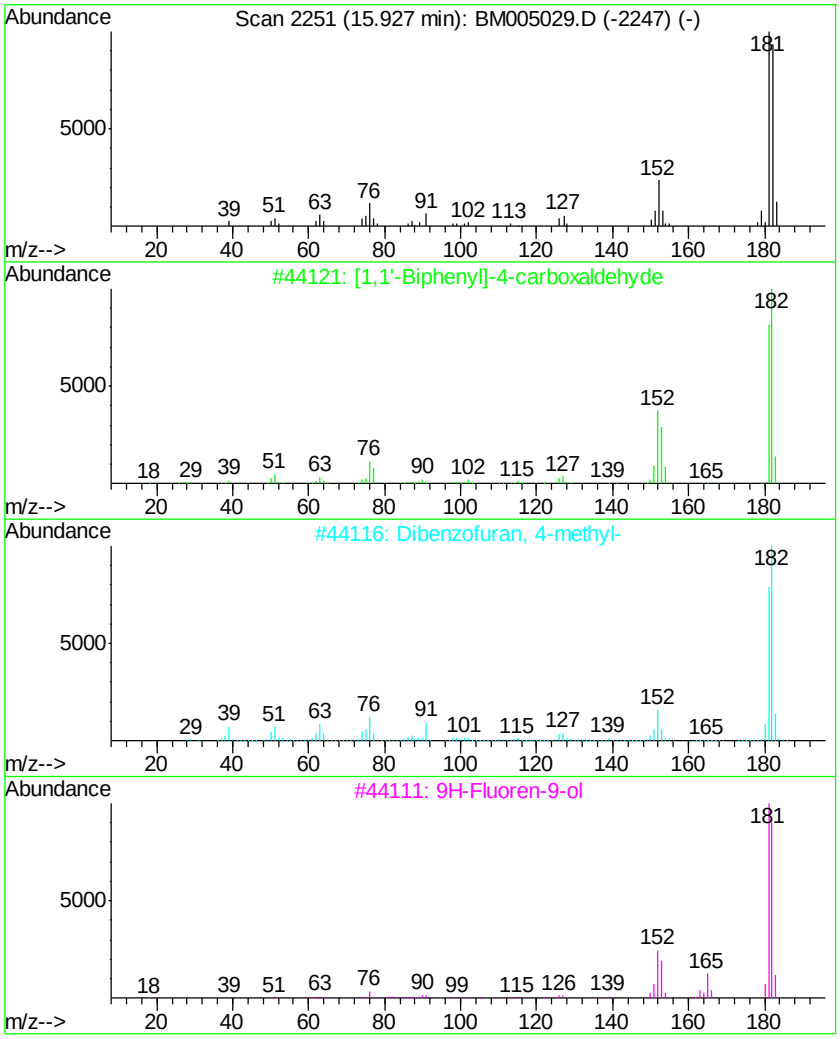
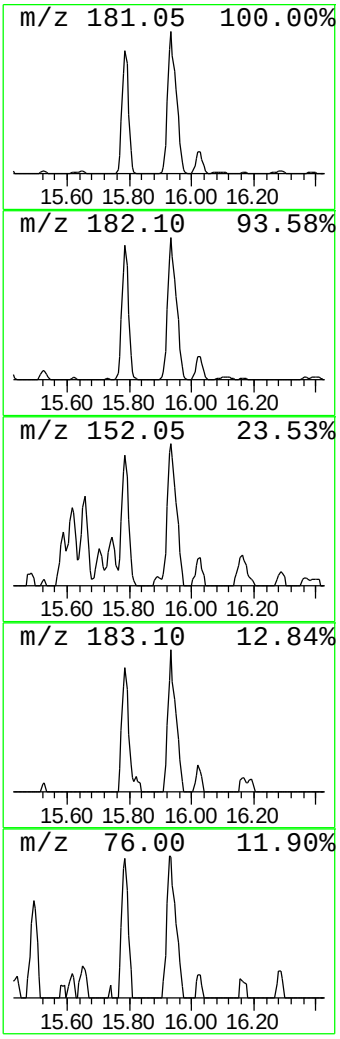
Peak Number 23 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	8.26 ng/ul	247363	Phenanthrene-d10	17.19

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	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	56





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Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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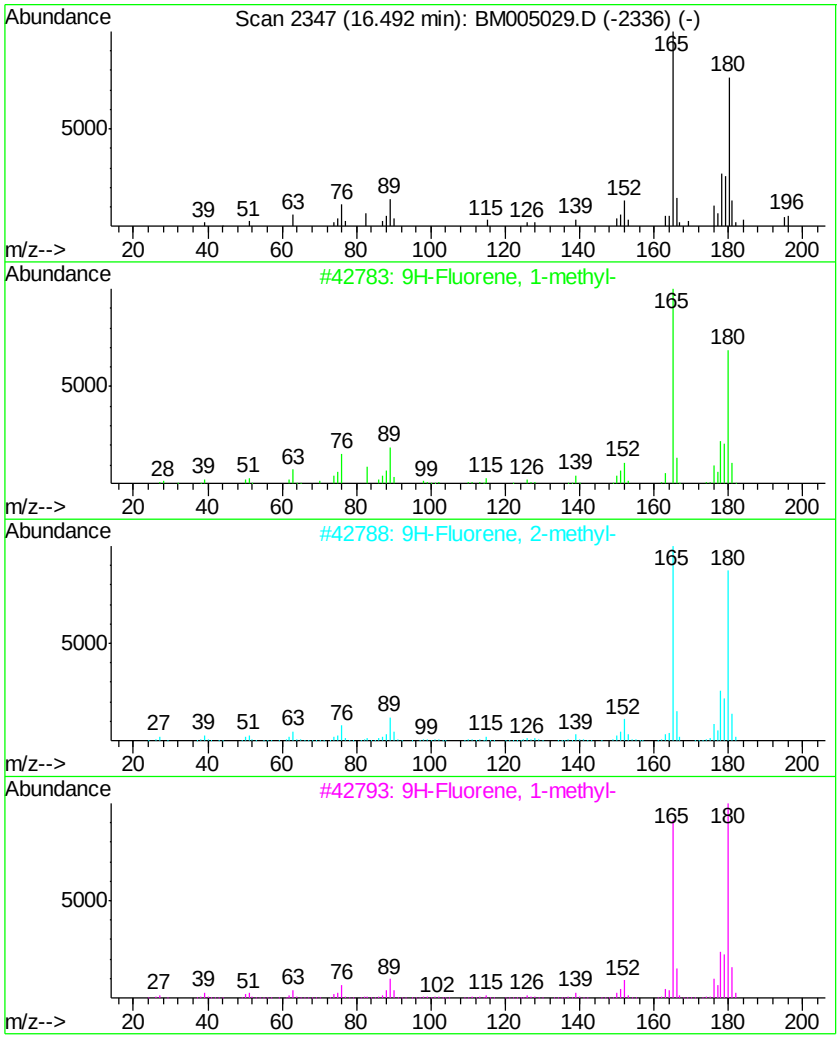
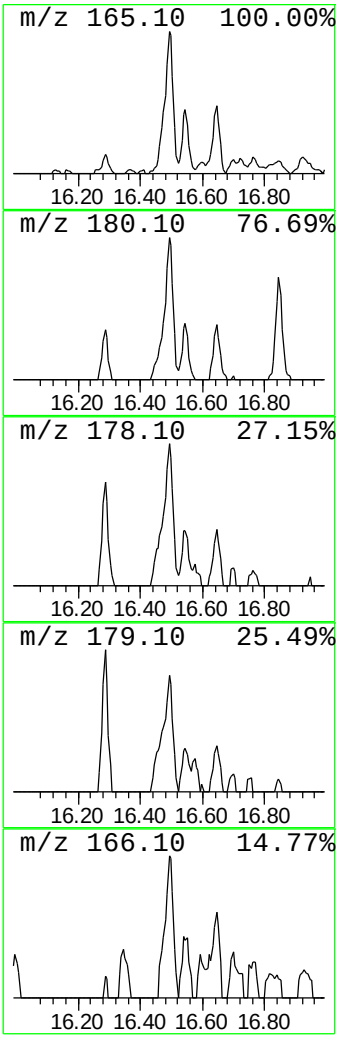
Peak Number 24 9H-Fluorene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	5.40 ng/ul	161549	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96





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Acq On : 21 Apr 2016 18:02
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Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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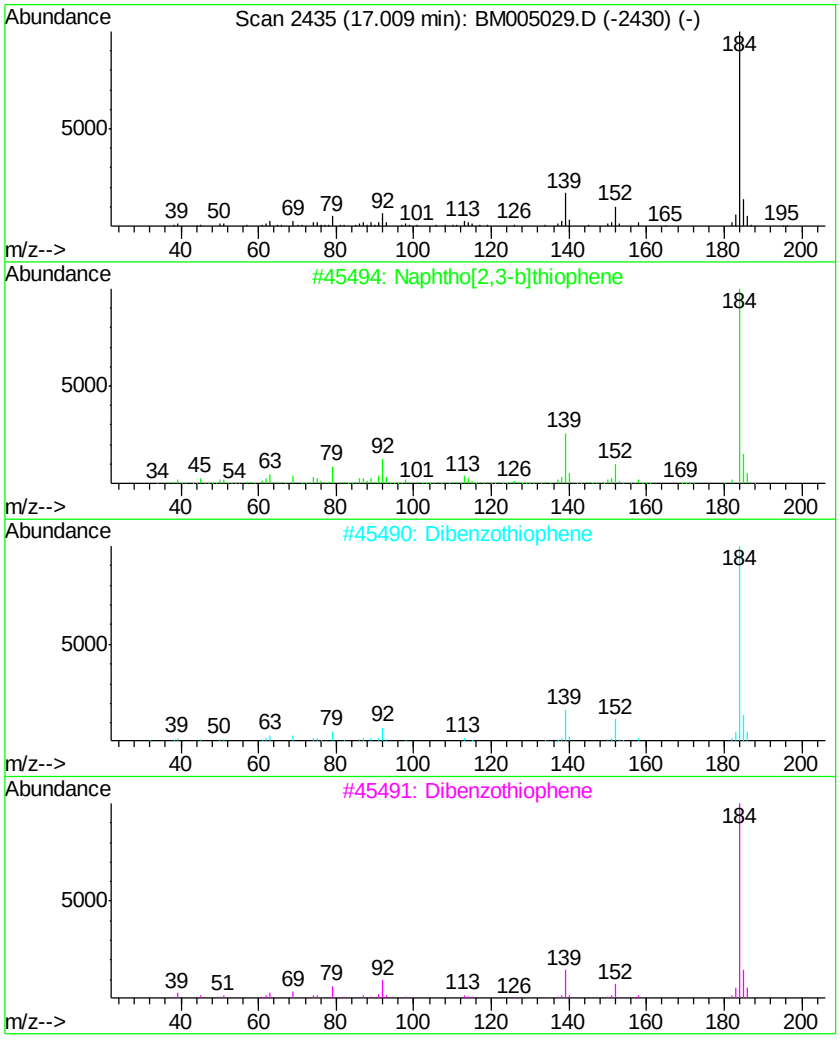
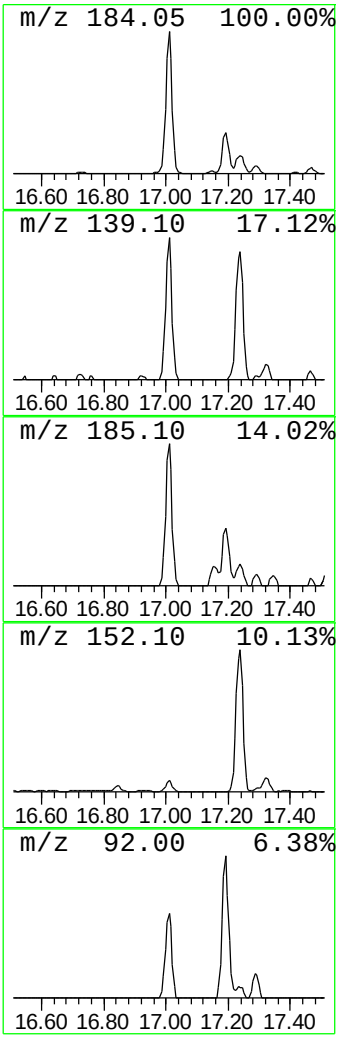
Peak Number 25 Naphtho[2,3-b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	8.63 ng/ul	258263	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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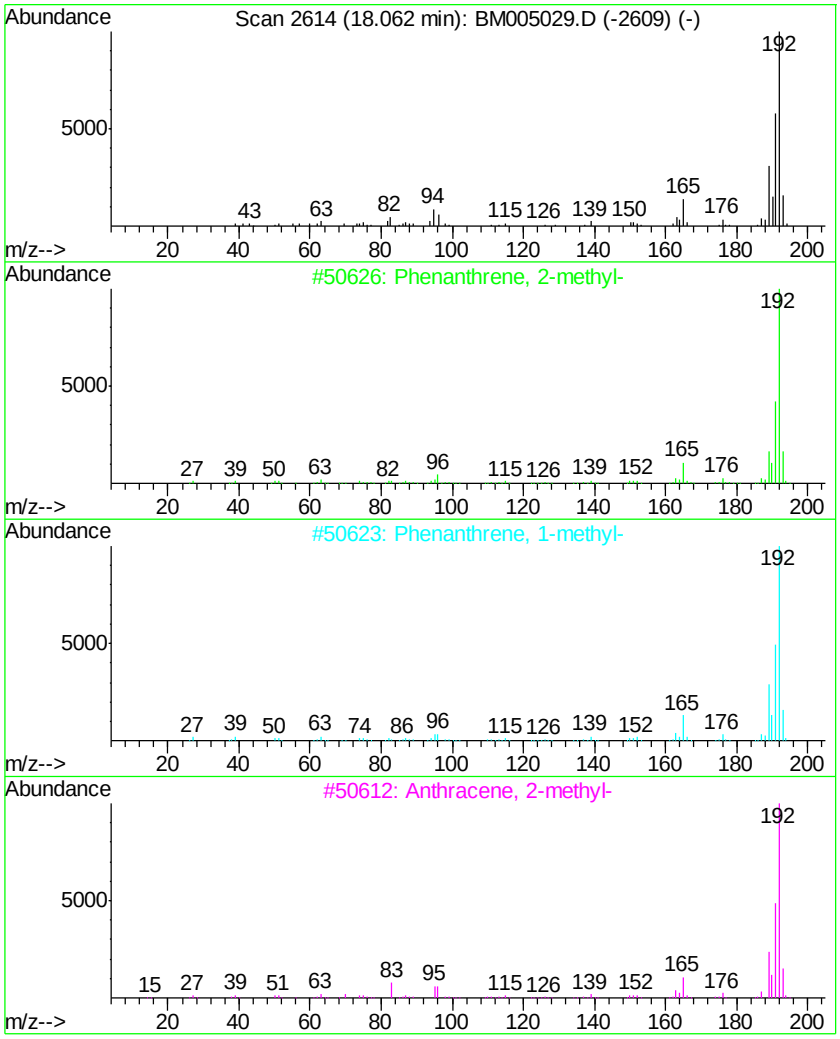
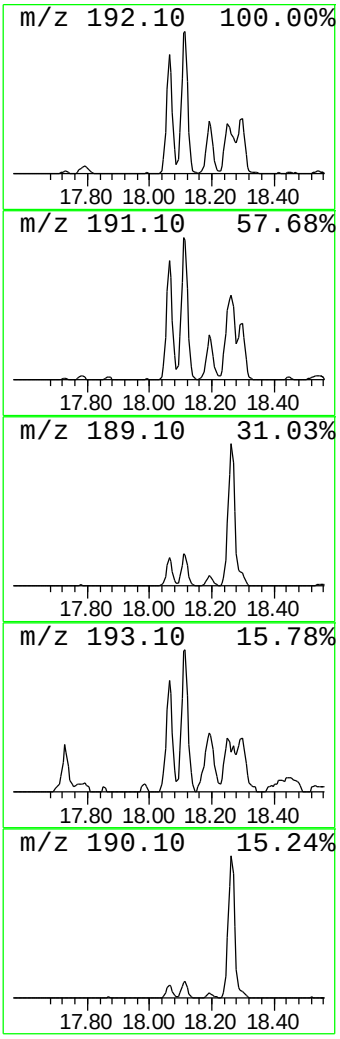
Peak Number 26 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	7.76 ng/ul	232351	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
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Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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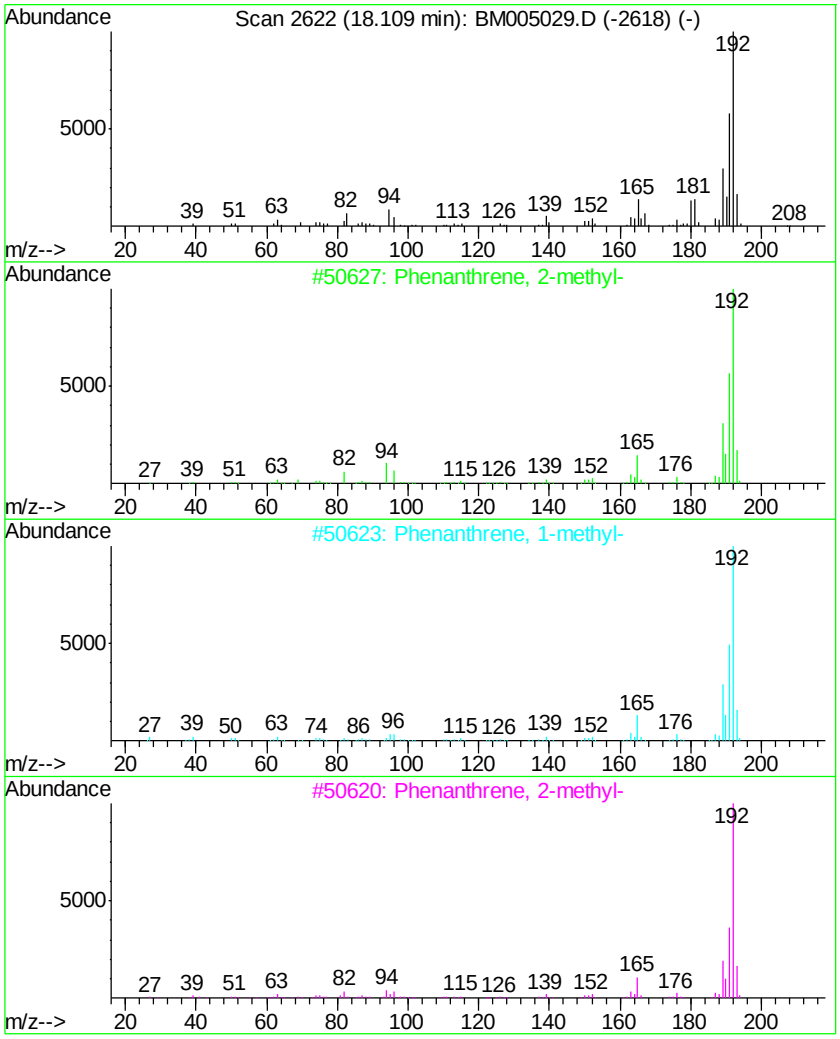
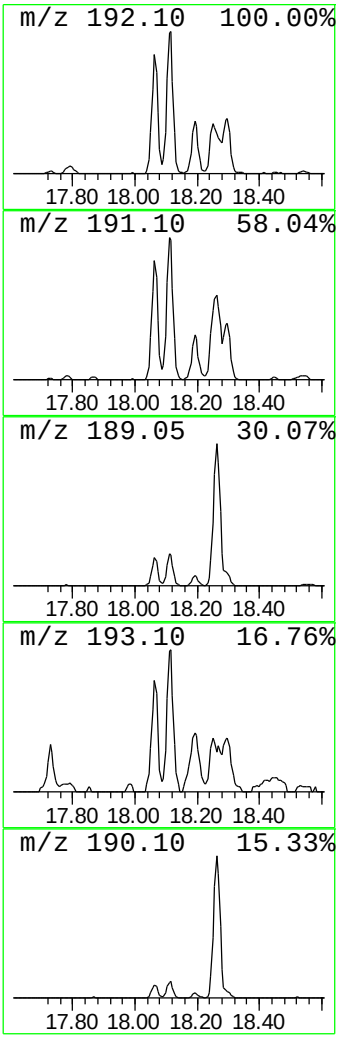
Peak Number 27 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	10.64 ng/ul	318460	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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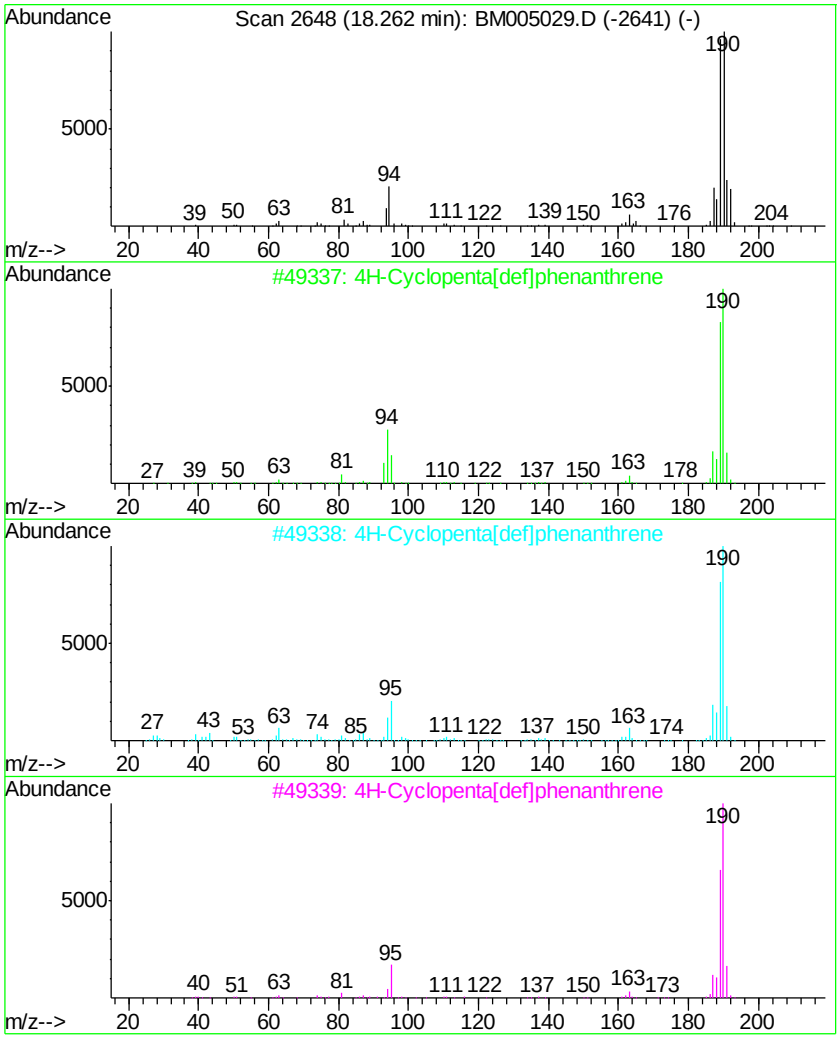
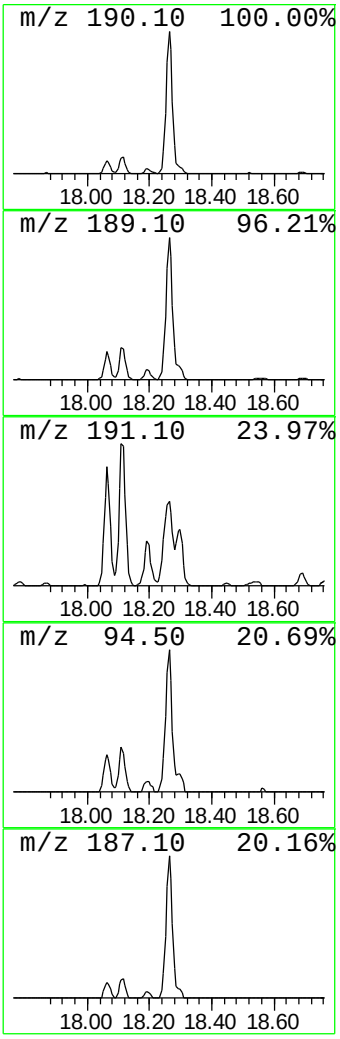
Peak Number 28 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	16.27 ng/ul	487172	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005029.D
Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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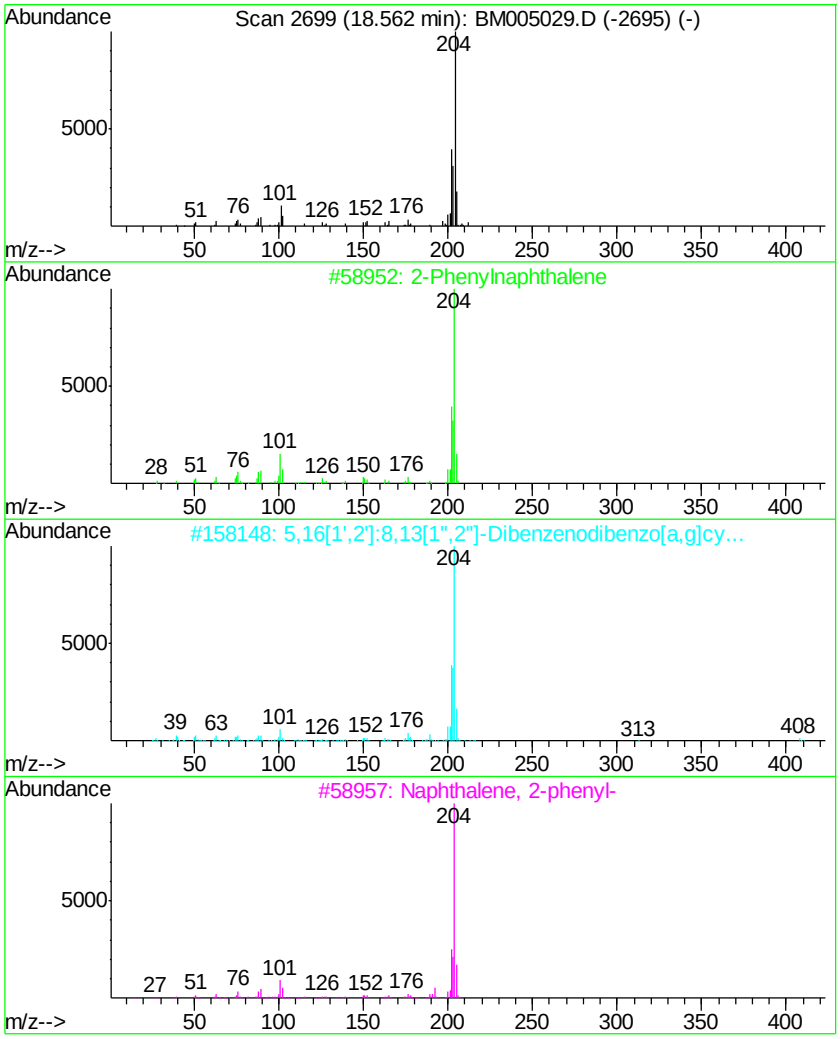
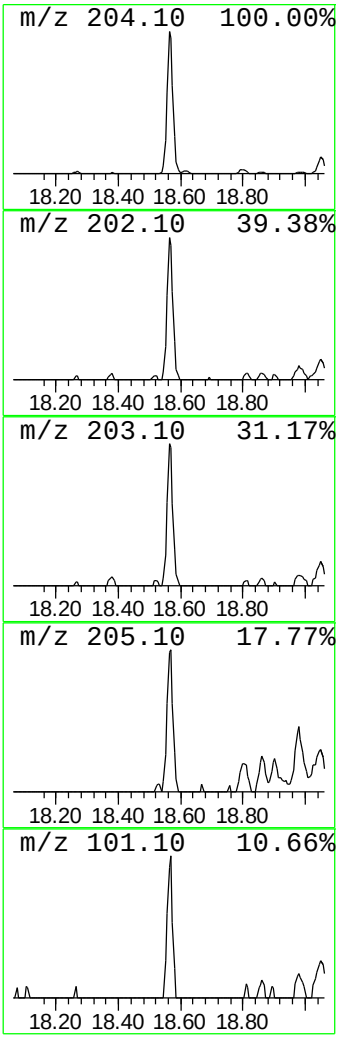
Peak Number 29 2-Phenylnaphthalene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	4.86 ng/ul	145514	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005029.D
Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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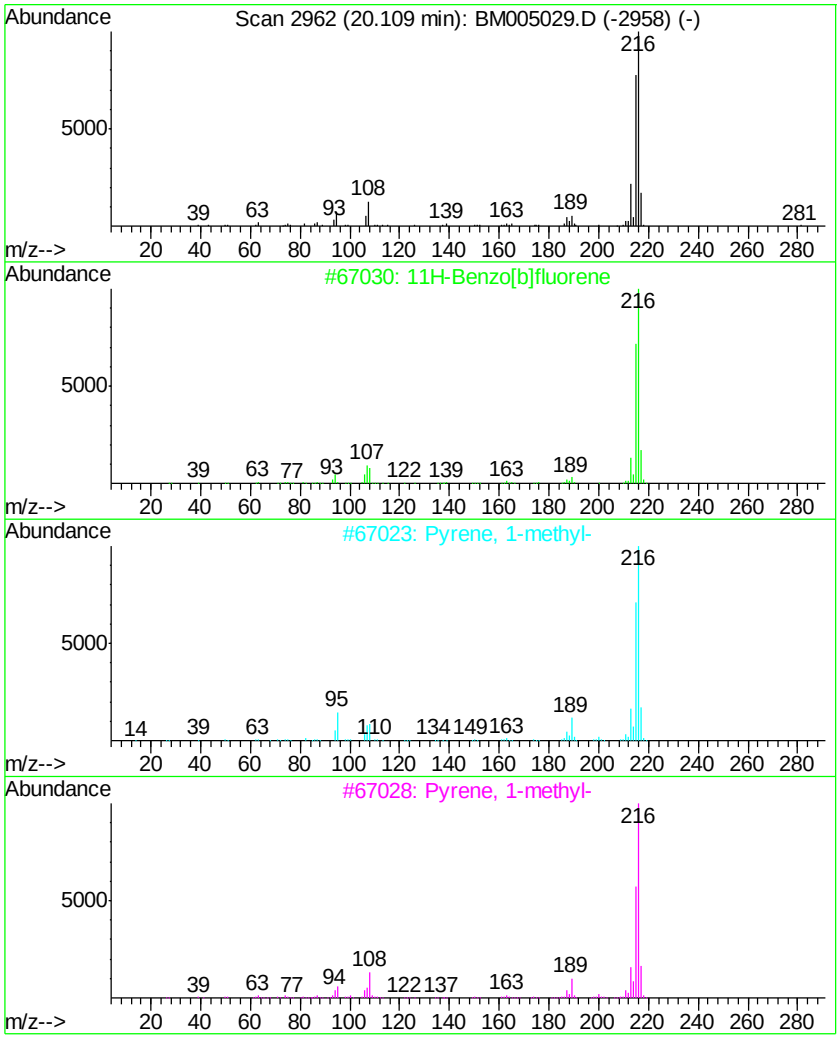
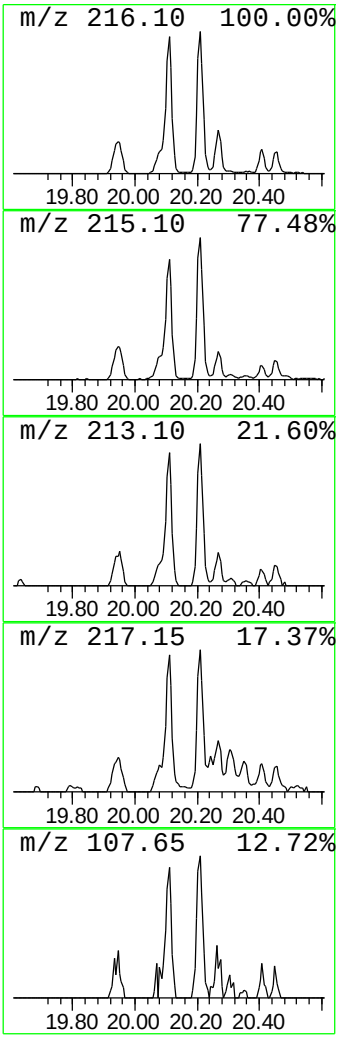
Peak Number 30 11H-Benzo[b]fluorene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	3.72 ng/ul	244510	Chrysene-d12	21.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005029.D
Acq On : 21 Apr 2016 18:02
Operator : UM/SJ
Sample : H2567-05DL 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,3-dime...	5.83	14.3	ng/ul	200180	1	7.81	279581	20.0
Benzene, 1,2,3-tr...	7.03	8.8	ng/ul	123375	1	7.81	279581	20.0
Benzene, 1,3,5-tr...	7.46	21.8	ng/ul	304481	1	7.81	279581	20.0
Benzofuran	7.53	36.8	ng/ul	513722	1	7.81	279581	20.0
Indane	8.18	111.0	ng/ul	1551330	1	7.81	279581	20.0
Benzene, 1-propynyl-	8.35	169.4	ng/ul	2368410	1	7.81	279581	20.0
Benzofuran, 7-met...	9.16	10.2	ng/ul	142579	1	7.81	279581	20.0
Benzofuran, 2-met...	9.28	24.2	ng/ul	427062	2	10.60	352656	20.0
3-Phenyl-2-propyn...	9.34	5.8	ng/ul	103024	2	10.60	352656	20.0
1-Phenyl-1-butene	9.85	6.3	ng/ul	110807	2	10.60	352656	20.0
Benzene, 2-etheny...	10.00	12.1	ng/ul	213322	2	10.60	352656	20.0
2-Benzothiophene #	10.77	60.0	ng/ul	1058570	2	10.60	352656	20.0
Naphthalene, 1-me...	12.48	89.4	ng/ul	1576810	2	10.60	352656	20.0
Naphthalene, 1-et...	13.47	5.7	ng/ul	176511	3	14.44	623402	20.0
Naphthalene, 1,6-...	13.62	11.0	ng/ul	343676	3	14.44	623402	20.0
Naphthalene, 2,3-...	13.76	10.5	ng/ul	326292	3	14.44	623402	20.0
Naphthalene, 1,3-...	14.00	3.5	ng/ul	110600	3	14.44	623402	20.0
2-Naphthalenecarb...	14.57	4.7	ng/ul	147862	3	14.44	623402	20.0
Fluorene, 2,4a-di...	15.66	3.8	ng/ul	119711	3	14.44	623402	20.0
Dibenzofuran, 4-m...	15.79	5.5	ng/ul	169800	3	14.44	623402	20.0
[1,1'-Biphenyl]-4...	15.93	8.3	ng/ul	247363	4	17.19	598779	20.0
9H-Fluorene, 1-me...	16.49	5.4	ng/ul	161549	4	17.19	598779	20.0
Naphtho[2,3-b]thi...	17.01	8.6	ng/ul	258263	4	17.19	598779	20.0
Phenanthrene, 2-m...	18.06	7.8	ng/ul	232351	4	17.19	598779	20.0
Phenanthrene, 1-m...	18.11	10.6	ng/ul	318460	4	17.19	598779	20.0
4H-Cyclopenta[def...	18.26	16.3	ng/ul	487172	4	17.19	598779	20.0
2-Phenylnaphthalene	18.56	4.9	ng/ul	145514	4	17.19	598779	20.0
11H-Benzo[b]fluorene	20.11	3.7	ng/ul	244510	5	21.38	1316010	20.0