LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005020.D
Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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	5.463	466	472	483	rBB	194881	385448	1.47%	0.400%
2	7.140	751	757	763	rBV	180038	277030	1.06%	0.288%
3	7.340	785	791	799	rBV	199937	313998	1.20%	0.326%
4	7.457	804	811	817	rVV	329805	533505	2.03%	0.554%
5	7.528	817	823	832	rVB	235015	395011	1.51%	0.410%
6	7.810	864	871	883	rBB	206467	346764	1.32%	0.360%
7	8.181	926	934	943	rBV	1417223	2382492	9.08%	2.473%
8	8.345	954	962	973	rVB	2039398	3693159	14.07%	3.834%
9	8.969	1062	1068	1077	rVB2	228109	480008	1.83%	0.498%
10	9.157	1094	1100	1107	rVB	252349	407526	1.55%	0.423%
11	9.281	1108	1121	1127	rBV	607274	1306039	4.98%	1.356%
12	9.339	1127	1131	1140	rVV	194953	321767	1.23%	0.334%
13	9.687	1184	1190	1201	rVB	178712	311472	1.19%	0.323%
14	9.998	1234	1243	1246	rBV2	292761	597417	2.28%	0.620%
15	10.098	1254	1260	1265	rBV	242269	485267	1.85%	0.504%
16	10.228	1275	1282	1291	rVB2	243534	483085	1.84%	0.501%
17	10.722	1330	1366	1370	rBV	5914847	26240506	100.00%	27.240%
18	10.798	1370	1379	1385	rVB	2241768	3975936	15.15%	4.127%
19	11.710	1525	1534	1543	rBV	213760	390862	1.49%	0.406%
20	12.157	1604	1610	1620	rVB	156075	263410	1.00%	0.273%
21	12.275	1620	1630	1636	rBV	2790624	5399760	20.58%	5.605%
22	12.380	1642	1648	1654	rBV	183310	323272	1.23%	0.336%
23	12.492	1654	1667	1673	rVB	2170153	4121887	15.71%	4.279%
24	13.275	1792	1800	1810	rBV	807498	1239631	4.72%	1.287%
25	13.469	1828	1833	1845	rVB	176365	358834	1.37%	0.372%
26	13.604	1845	1856	1857	rBV2	301324	514957	1.96%	0.535%
27	13.763	1876	1883	1888	rBV	471857	856330	3.26%	0.889%
28	13.816	1888	1892	1895	rVV	327843	496341	1.89%	0.515%
29	13.851	1895	1898	1903	rVB	453190	644136	2.45%	0.669%
30	13.998	1918	1923	1927	rBV	184342	296913	1.13%	0.308%
31	14.139	1940	1947	1949	rBV	563534	923759	3.52%	0.959%
32	14.163	1949	1951	1957	rVB	650405	899845	3.43%	0.934%
33	14.445	1989	1999	2004	rBV3	391654	825559	3.15%	0.857%
34	14.516	2004	2011	2017	rVV	2112485	3495887	13.32%	3.629%

LSC Area Percent Report

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Data File : BM005020.D
Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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	14.580	2017	2022	2028	rVV	635392	933237	3.56%	0.969%
36	14.851	2061	2068	2075	rVV	1692523	2817554	10.74%	2.925%
37	14.963	2075	2087	2095	rVV	290841	765419	2.92%	0.795%
38	15.439	2162	2168	2172	rBV	654066	936784	3.57%	0.972%
39	15.498	2172	2178	2184	rVB	1660589	2591692	9.88%	2.690%
40	15.563	2184	2189	2195	rBV2	151440	287344	1.10%	0.298%
41	15.786	2223	2227	2237	rVB2	192514	342318	1.30%	0.355%
42	15.933	2237	2252	2260	rVB4	190678	527848	2.01%	0.548%
43	16.174	2286	2293	2301	rVB3	504440	894364	3.41%	0.928%
44	16.374	2318	2327	2332	rVV	275456	471612	1.80%	0.490%
45	16.451	2332	2340	2345	rVV2	293246	686027	2.61%	0.712%
46	16.745	2379	2390	2393	rBV2	123126	304153	1.16%	0.316%
47	17.010	2431	2435	2440	rVB	199867	278032	1.06%	0.289%
48	17.086	2440	2448	2449	rBV	253394	441201	1.68%	0.458%
49	17.115	2450	2453	2456	rVB	230212	305040	1.16%	0.317%
50	17.192	2461	2466	2469	rBV	441886	656526	2.50%	0.682%
51	17.239	2469	2474	2479	rVB	1883056	2860460	10.90%	2.969%
52	17.292	2479	2483	2487	rBV2	680926	990326	3.77%	1.028%
53	17.604	2522	2536	2541	rBV	1927598	3644493	13.89%	3.783%
54	17.657	2541	2545	2547	rVV	144443	263129	1.00%	0.273%
55	17.692	2547	2551	2556	rVV2	234347	459836	1.75%	0.477%
56	17.751	2556	2561	2567	rVB2	280371	494108	1.88%	0.513%
57	18.027	2604	2608	2611	rVV2	216309	333496	1.27%	0.346%
58	18.109	2618	2622	2632	rVV2	405670	685636	2.61%	0.712%
59	18.262	2642	2648	2652	rBV	218148	355372	1.35%	0.369%
60	18.368	2652	2666	2671	rVV5	239057	742209	2.83%	0.770%
61	18.462	2676	2682	2686	rVV3	196439	403365	1.54%	0.419%
62	18.998	2766	2773	2778	rVB	201547	334471	1.27%	0.347%
63	19.251	2809	2816	2824	rBV	533956	777838	2.96%	0.807%
64	19.586	2868	2873	2876	rBV2	890635	1314440	5.01%	1.364%
65	19.615	2876	2878	2886	rVB	360805	511608	1.95%	0.531%
66	20.021	2938	2947	2950	rVV2	232183	523231	1.99%	0.543%
67	20.080	2950	2957	2969	rVB	663839	1344692	5.12%	1.396%
68	21.380	3171	3178	3182	rBV	692169	1046682	3.99%	1.087%
69	23.521	3535	3542	3555	rVB2	618852	1207706	4.60%	1.254%
70	23.668	3559	3567	3579	rVB	420037	812204	3.10%	0.843%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC7L9

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

Sum of corrected areas: 96332266

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005020.D
Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
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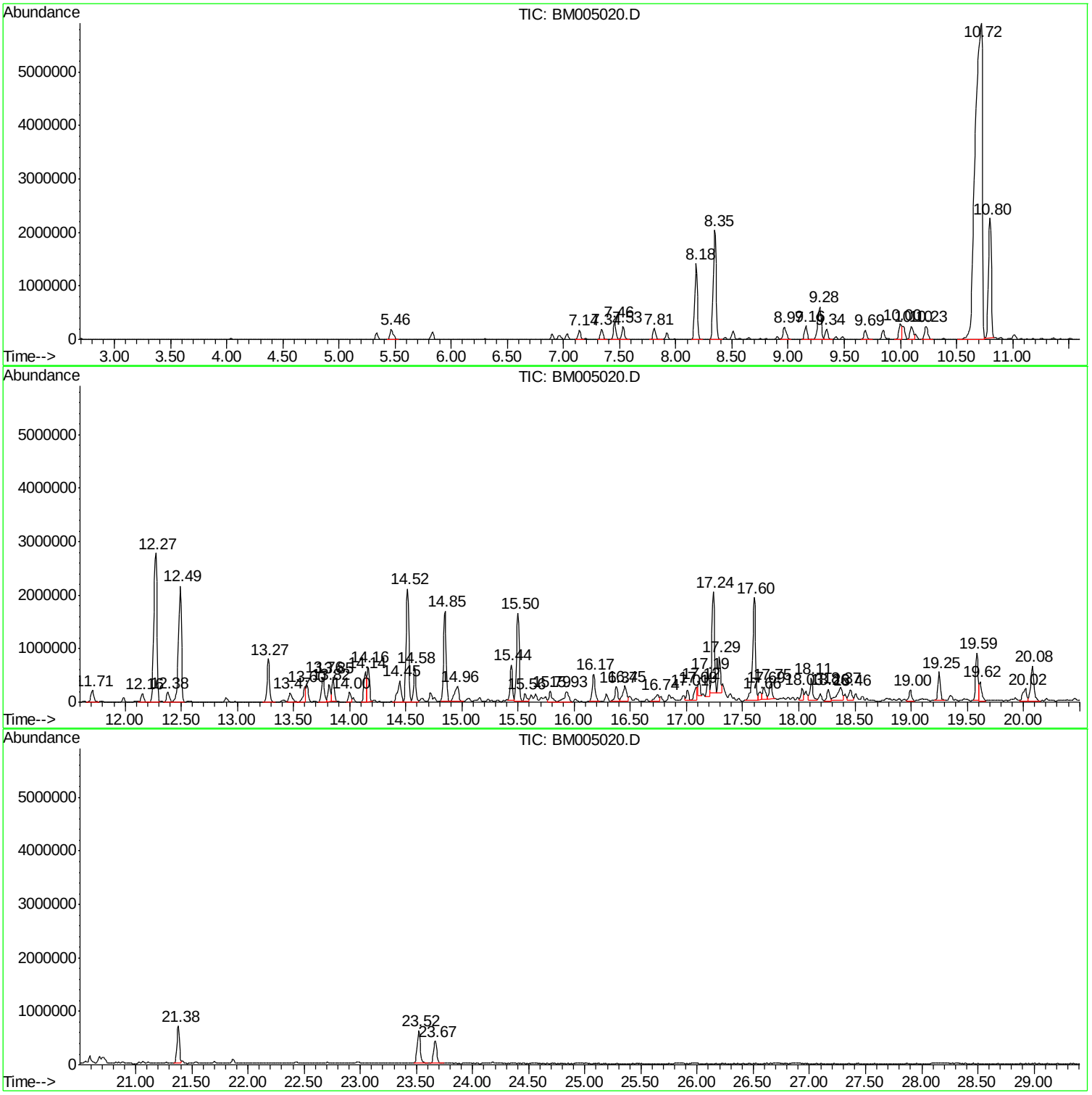
Instrument :
BNA_M
ClientSampleId :
BC7L9

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\
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Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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

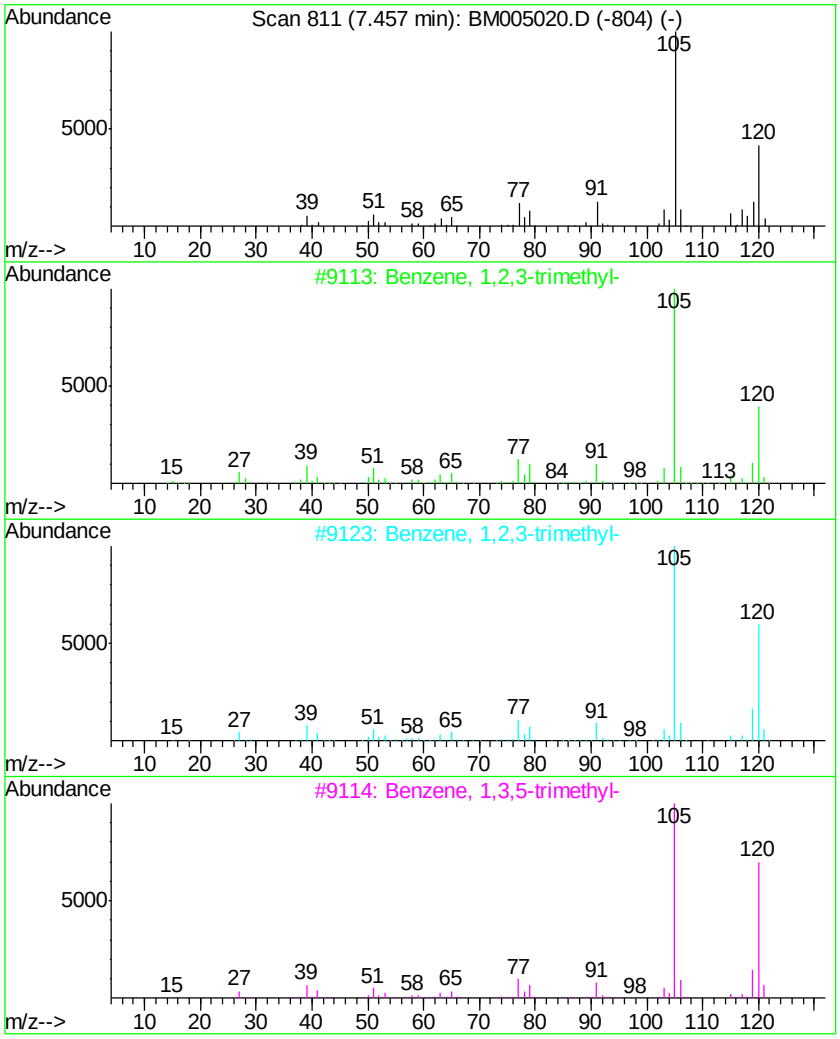
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

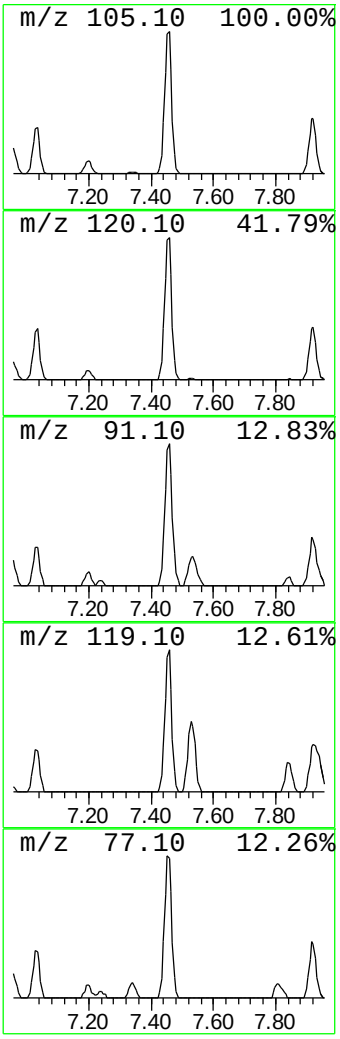
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	30.77 ng/ul	533505	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	93
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005020.D
Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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

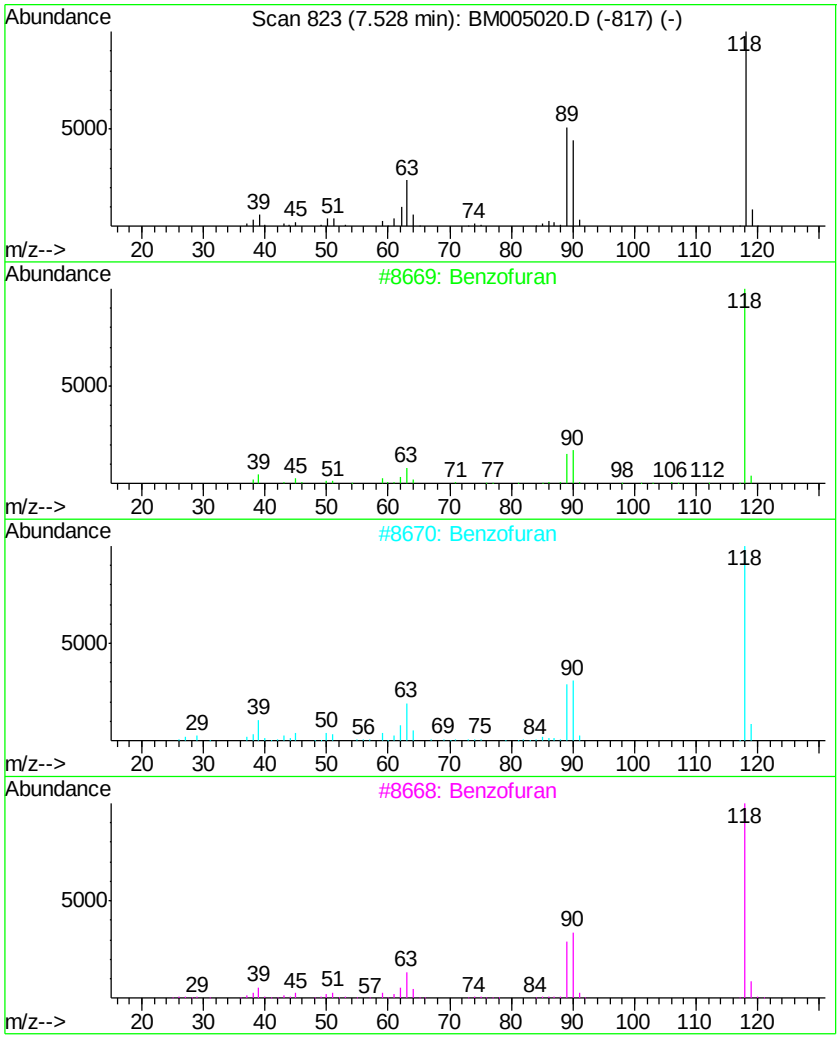
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

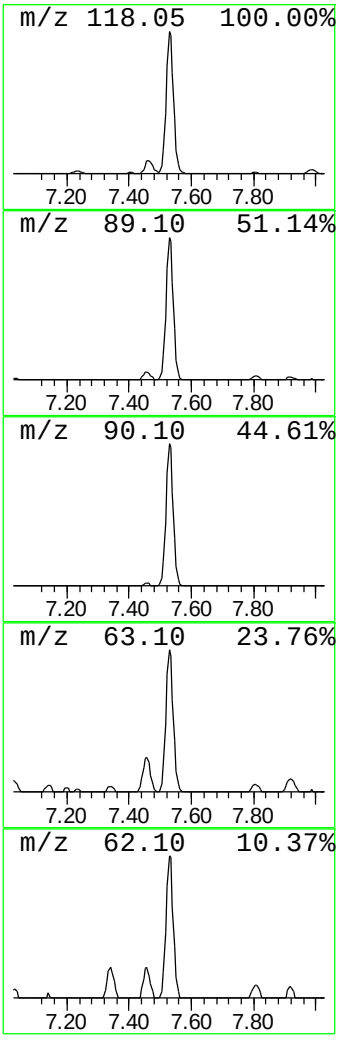
****

Peak Number 3 Benzofuran Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	22.78 ng/ul	395011	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	91
3	Benzofuran	118	C8H6O	000271-89-6	87
4	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	87
5	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	45





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005020.D
Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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

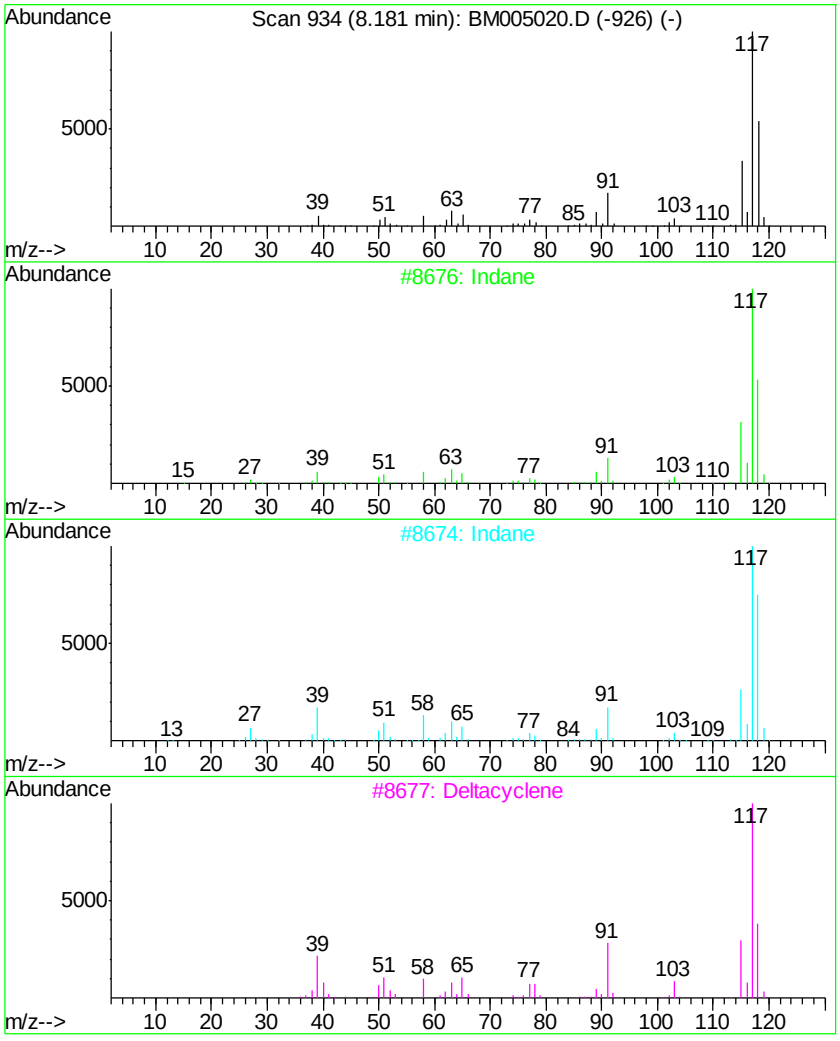
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

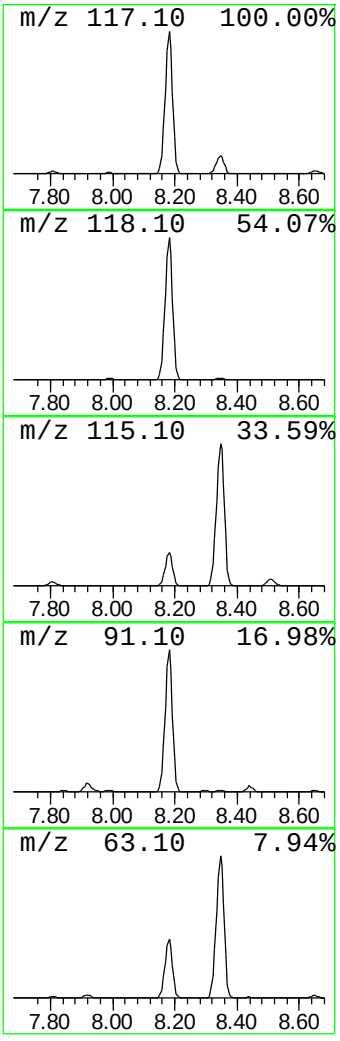
****

Peak Number 4 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	137.41 ng/ul	2382490	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	91
3	Deltacyclene	118	C9H10	007785-10-6	74
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
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Sample : H2567-22
Misc :
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Instrument : BNA_M
ClientSampleId : BC7L9

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

TIC Library : C:\DATABASE\NIST02.L
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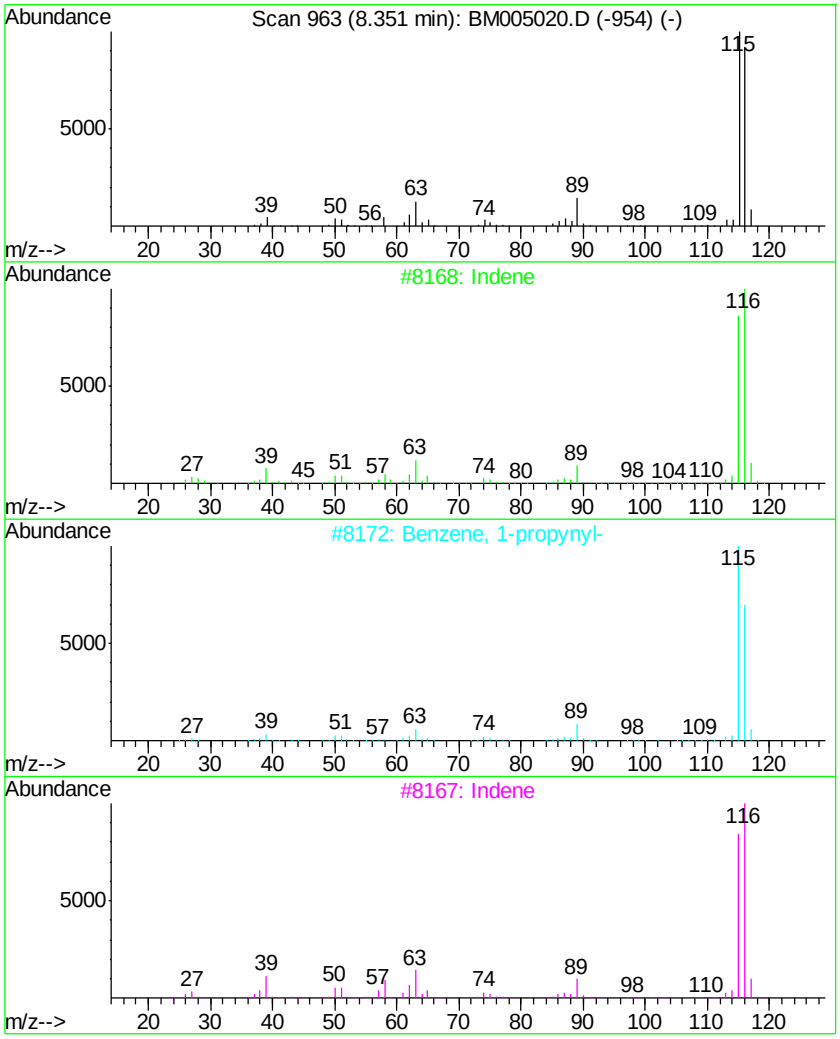
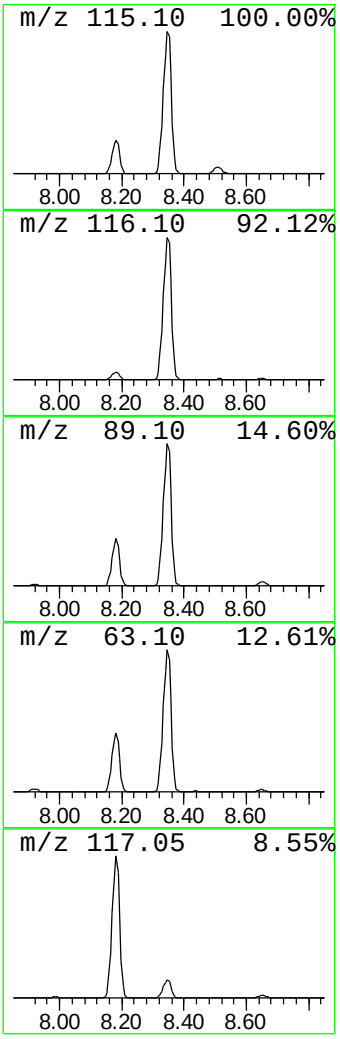
****

Peak Number 5 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	213.01 ng/ul	3693160	1,4-Dichlorobenzene-d4	7.81

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





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ClientSampleId : BC7L9

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Quant Title : SVOA CALIBRATION

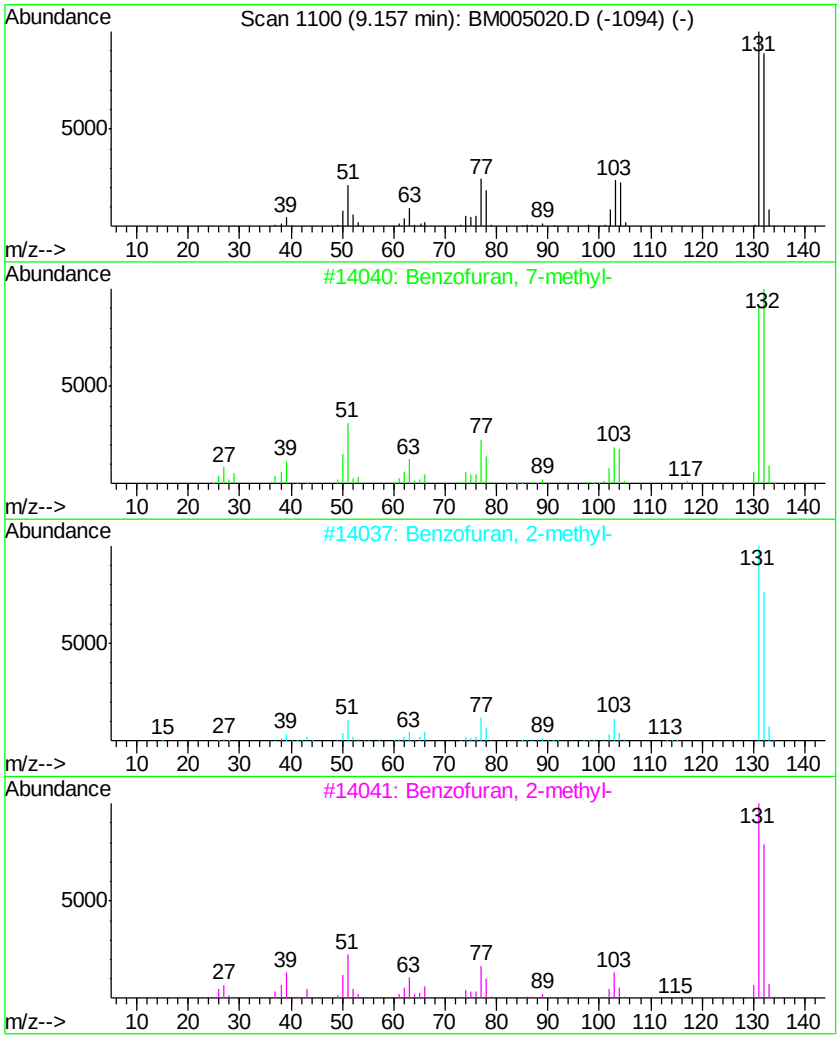
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

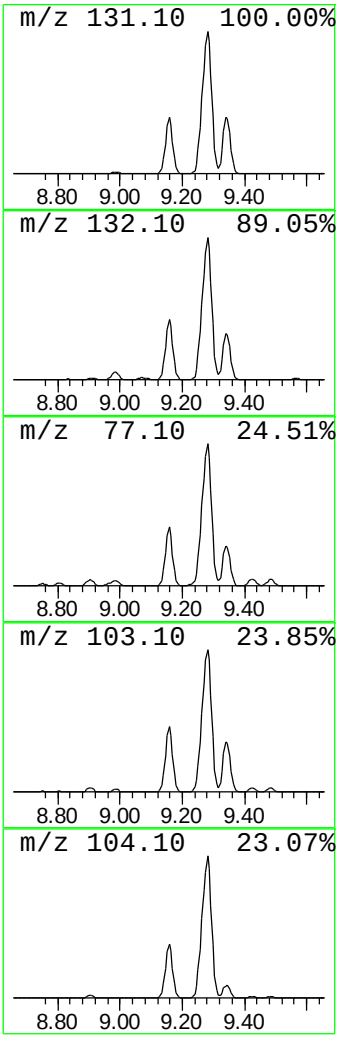
****

Peak Number 6 Benzofuran, 7-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	23.50 ng/ul	407526	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	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90





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Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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

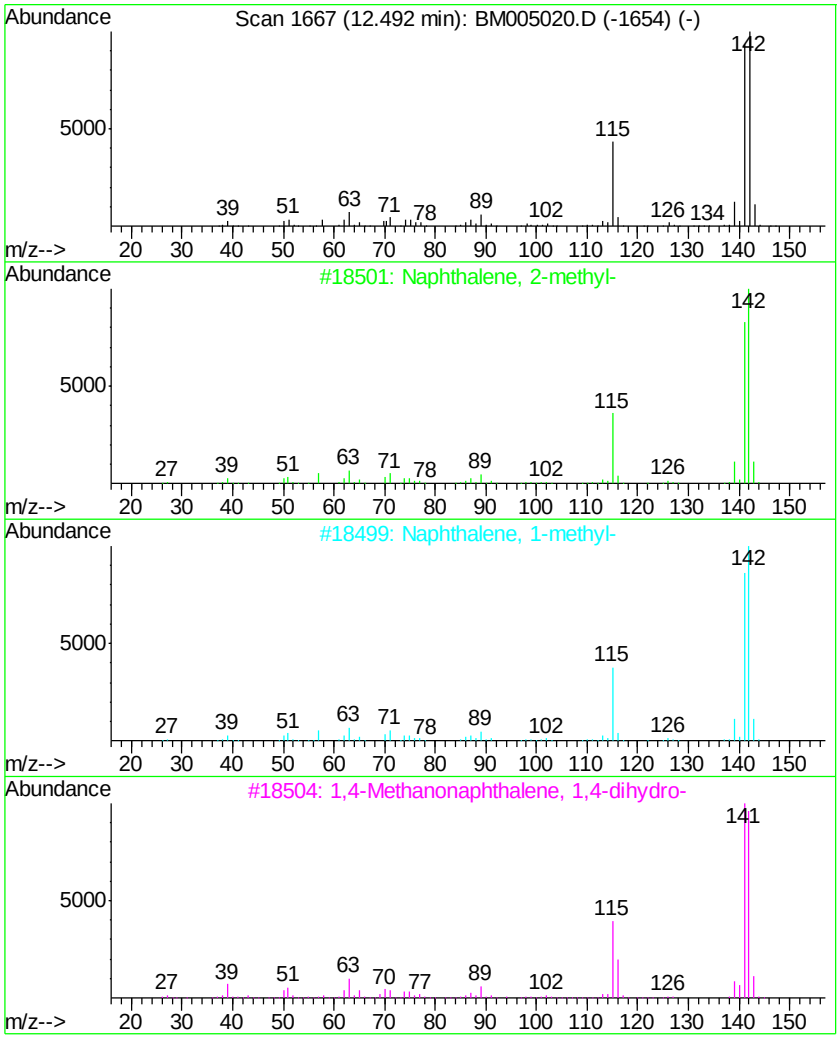
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

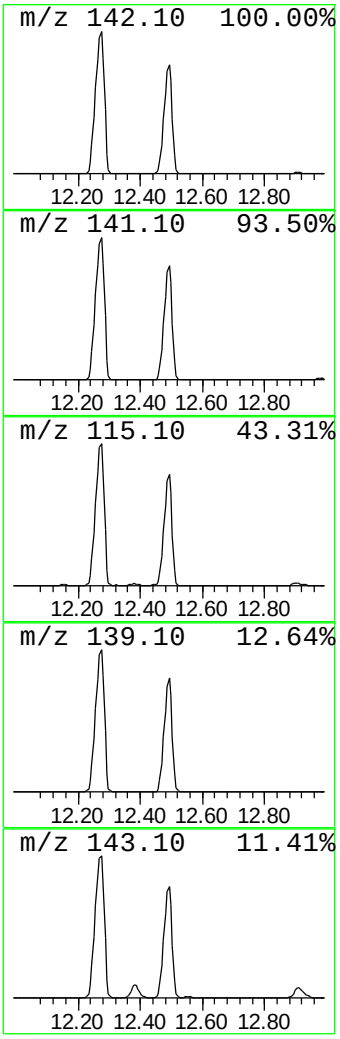
****

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.14 ng/ul	4121890	Naphthalene-d8	10.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	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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Data File : BM005020.D
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Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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

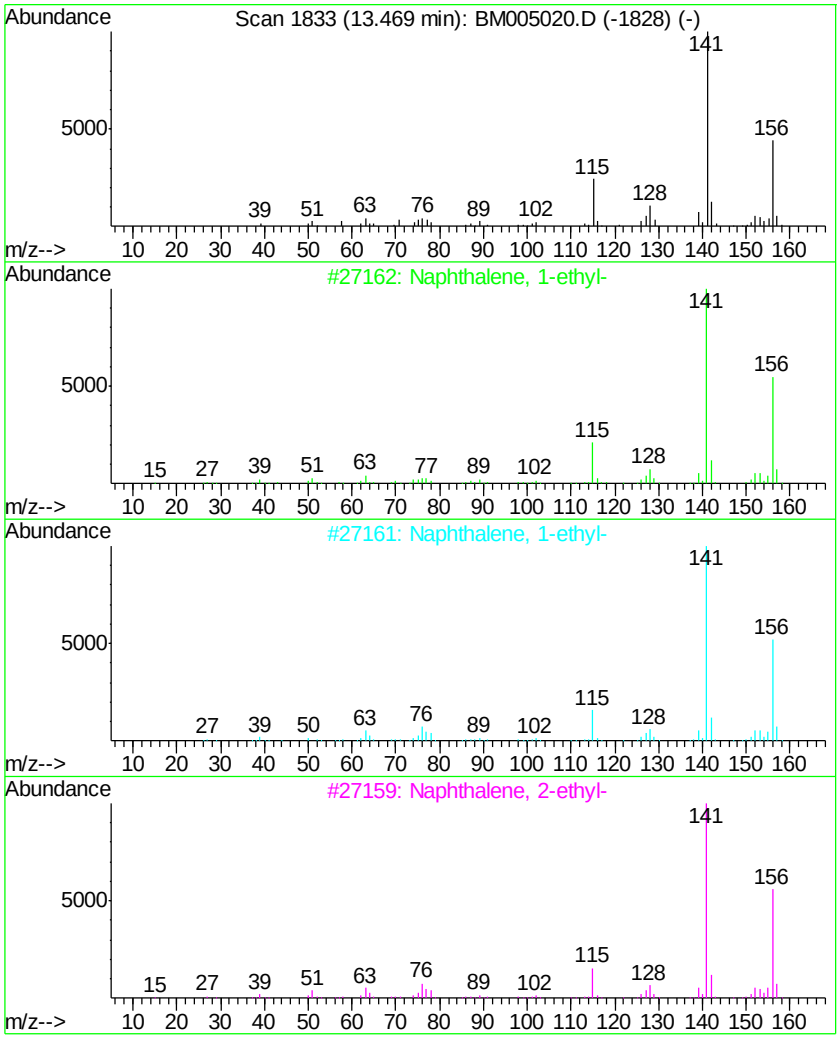
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

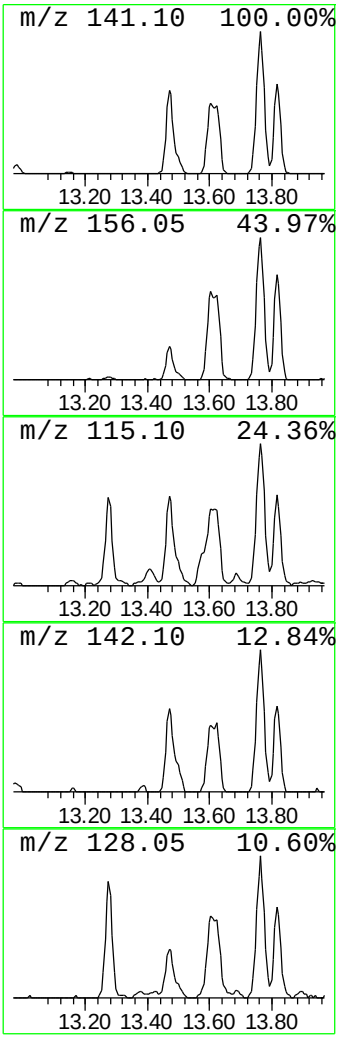
****

Peak Number 8 Naphthalene, 1-ethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	8.69 ng/ul	358834	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





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Data File : BM005020.D
Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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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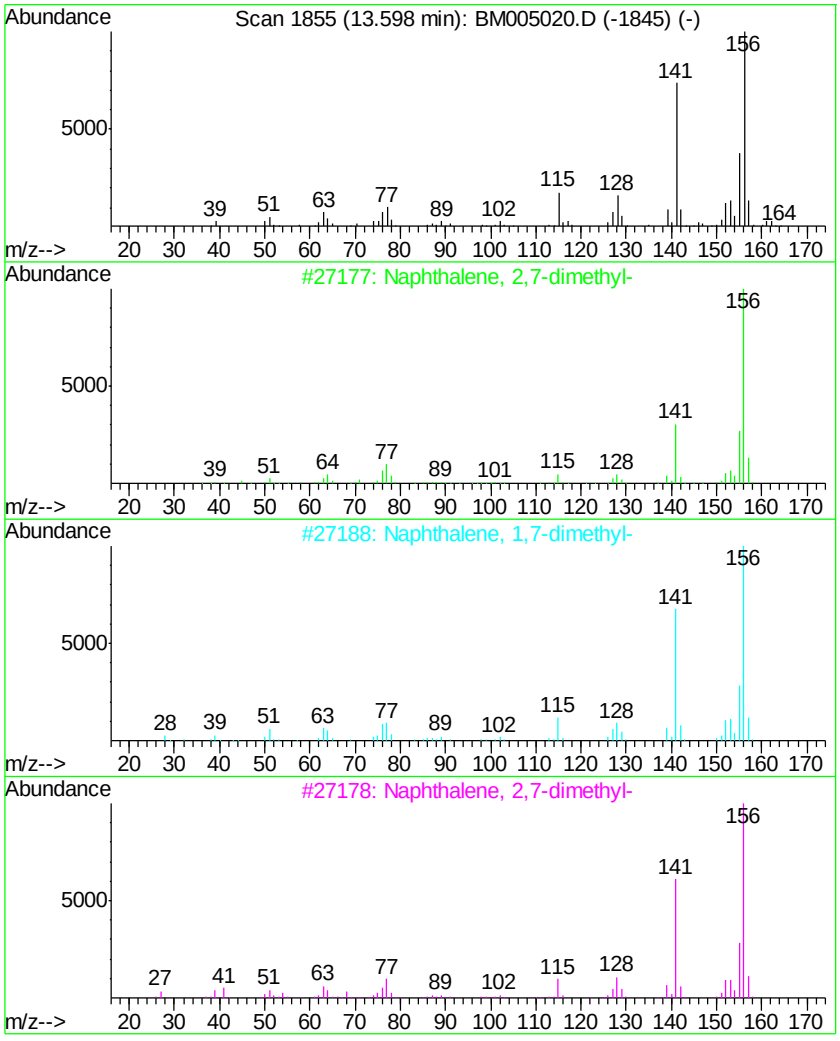
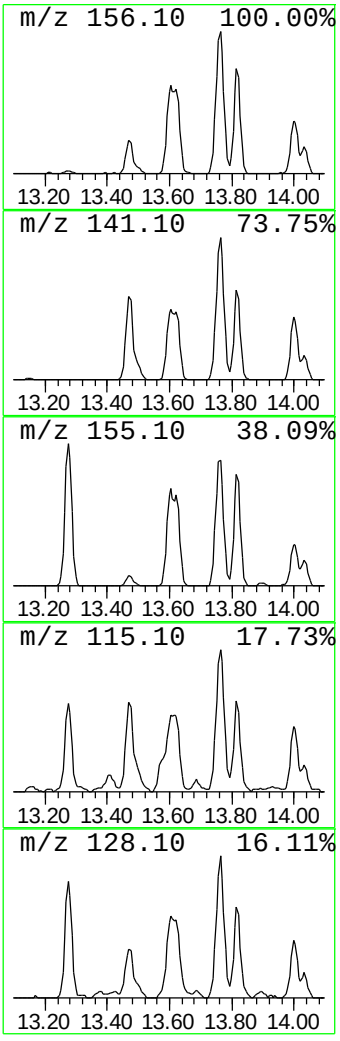
Peak Number 9 Naphthalene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	12.48 ng/ul	514957	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Library Search Compound Report

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Data File : BM005020.D
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Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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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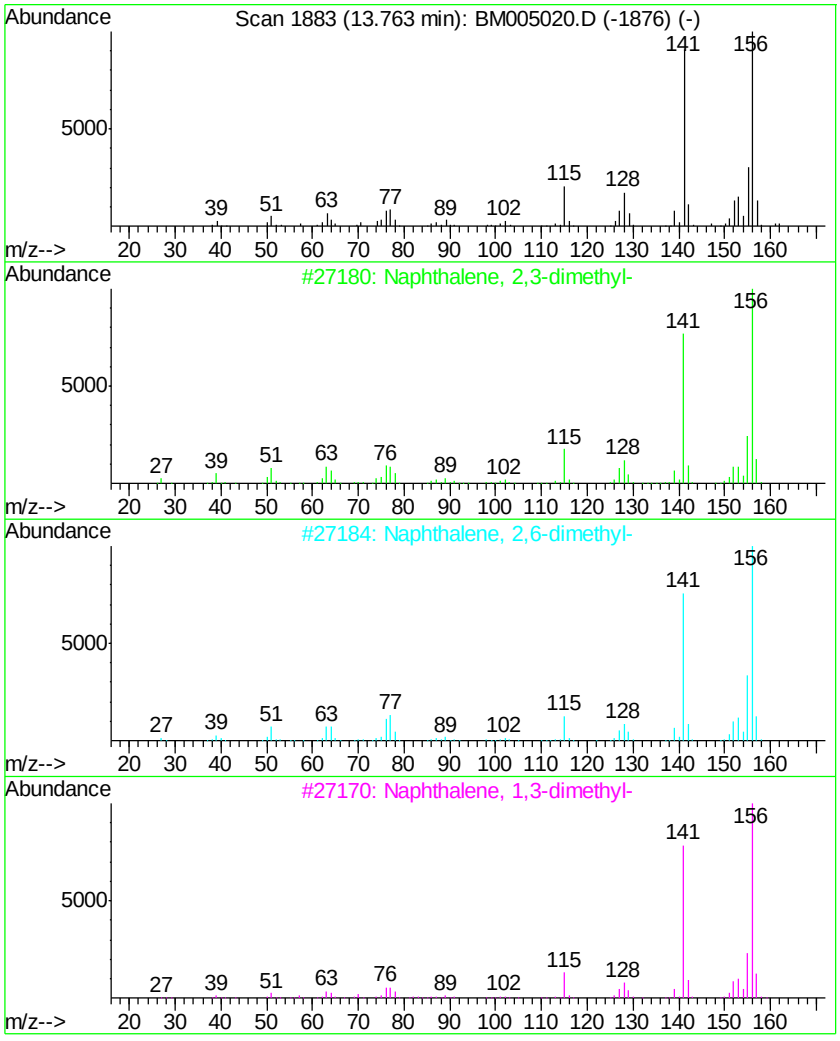
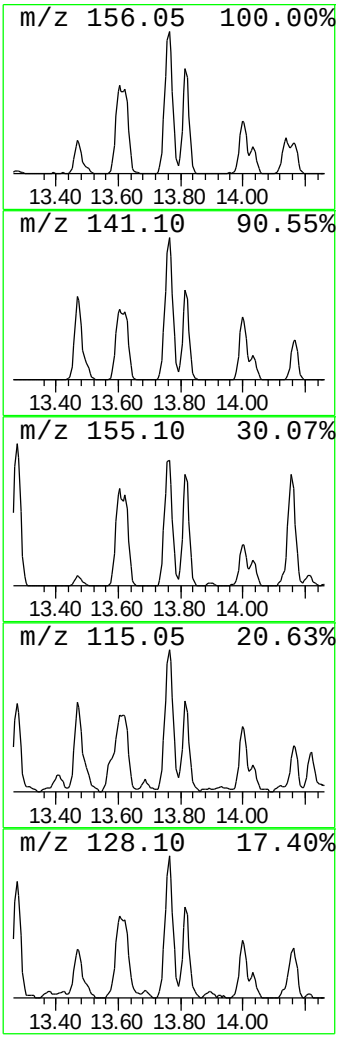
Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	20.75 ng/ul	856330	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Library Search Compound Report

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Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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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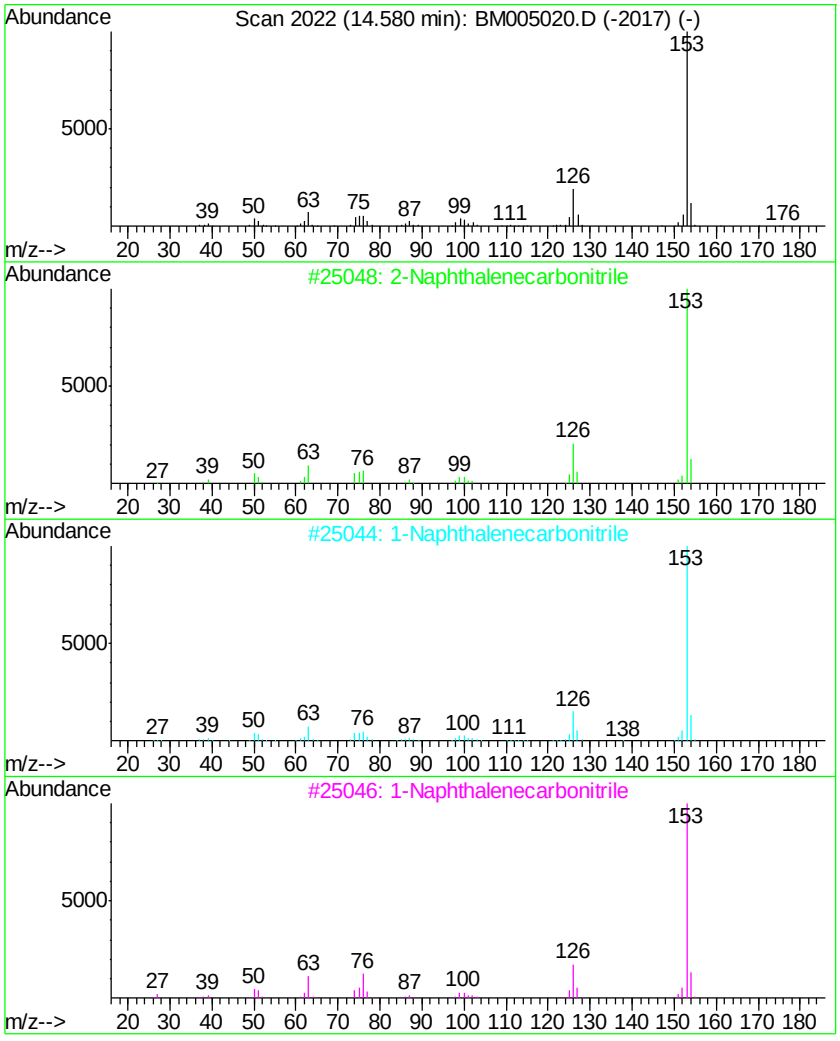
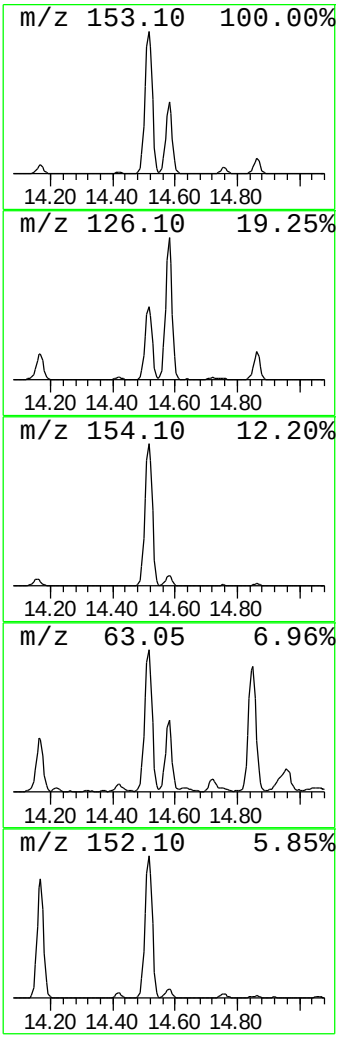
Peak Number 12 2-Naphthalenecarbonitrile Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	22.61 ng/ul	933237	Acenaphthene-d10	14.45

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	91
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90





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Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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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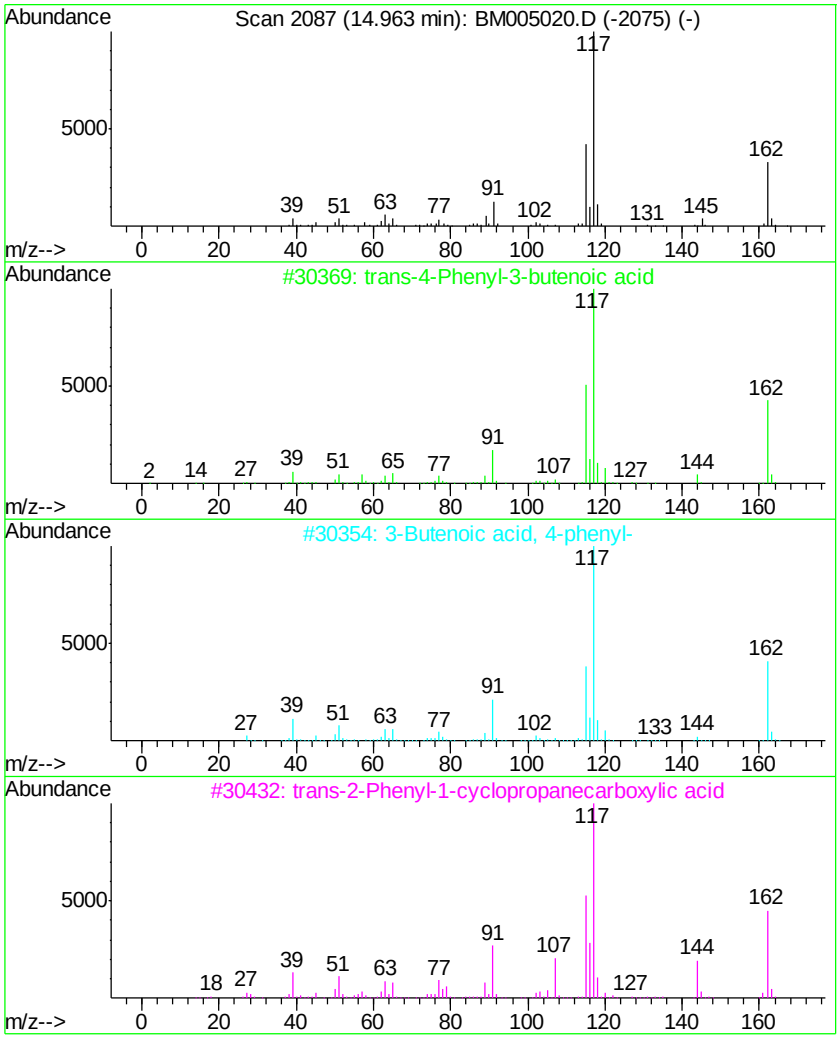
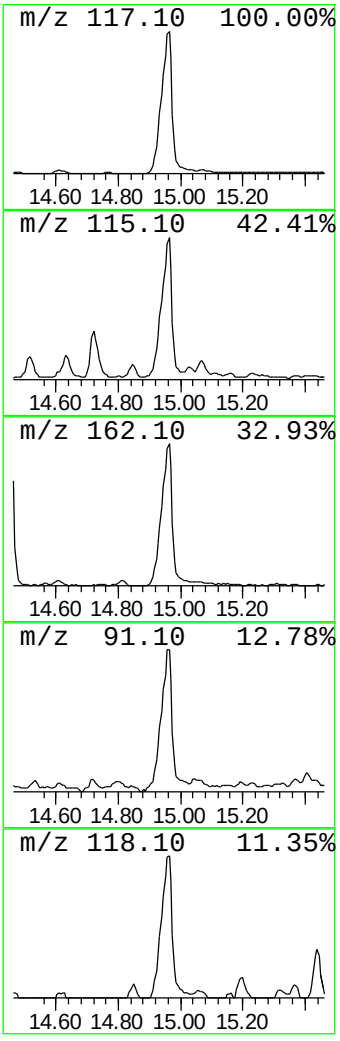
Peak Number 13 trans-4-Phenyl-3-butenoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	18.54 ng/ul	765419	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-4-Phenyl-3-butenoic acid	162	C10H10O2	001914-58-5	94
2	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	91
3	trans-2-Phenyl-1-cyclopropanecar...	162	C10H10O2	000939-90-2	72
4	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	64
5	Benzene, (3-chloroallyl)-	152	C9H9Cl	006268-37-7	59





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Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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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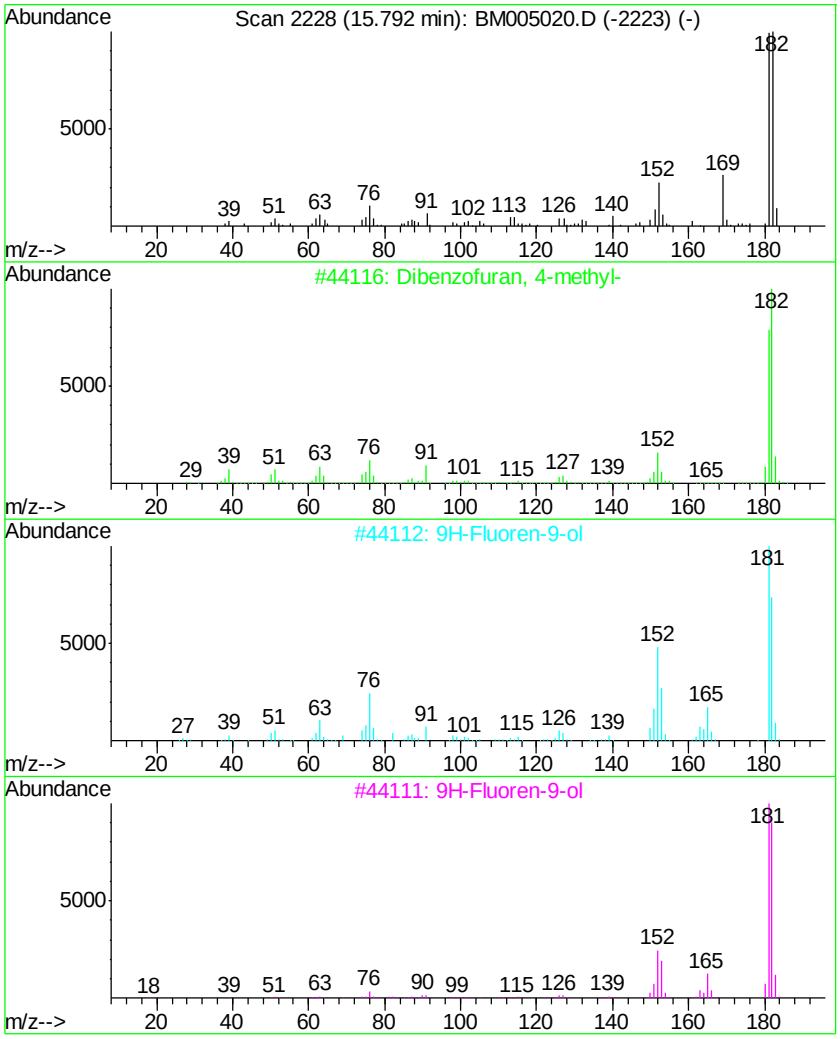
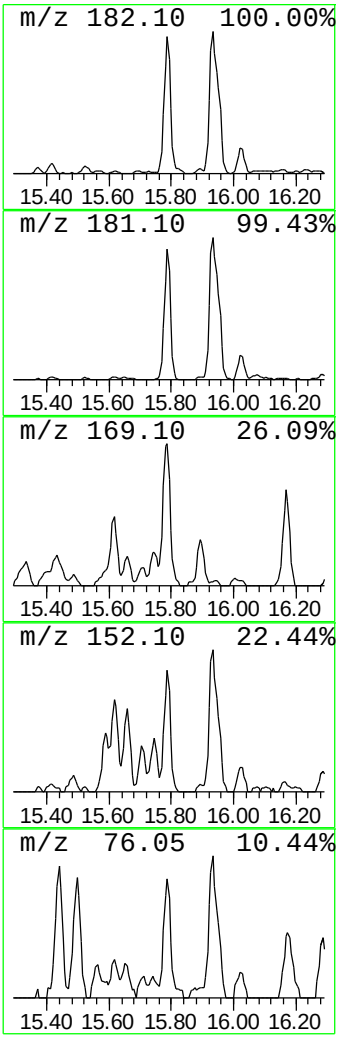
Peak Number 14 Dibenzofuran, 4-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	8.29 ng/ul	342318	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	68
5	9H-Xanthene	182	C13H10O	000092-83-1	50





Library Search Compound Report

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Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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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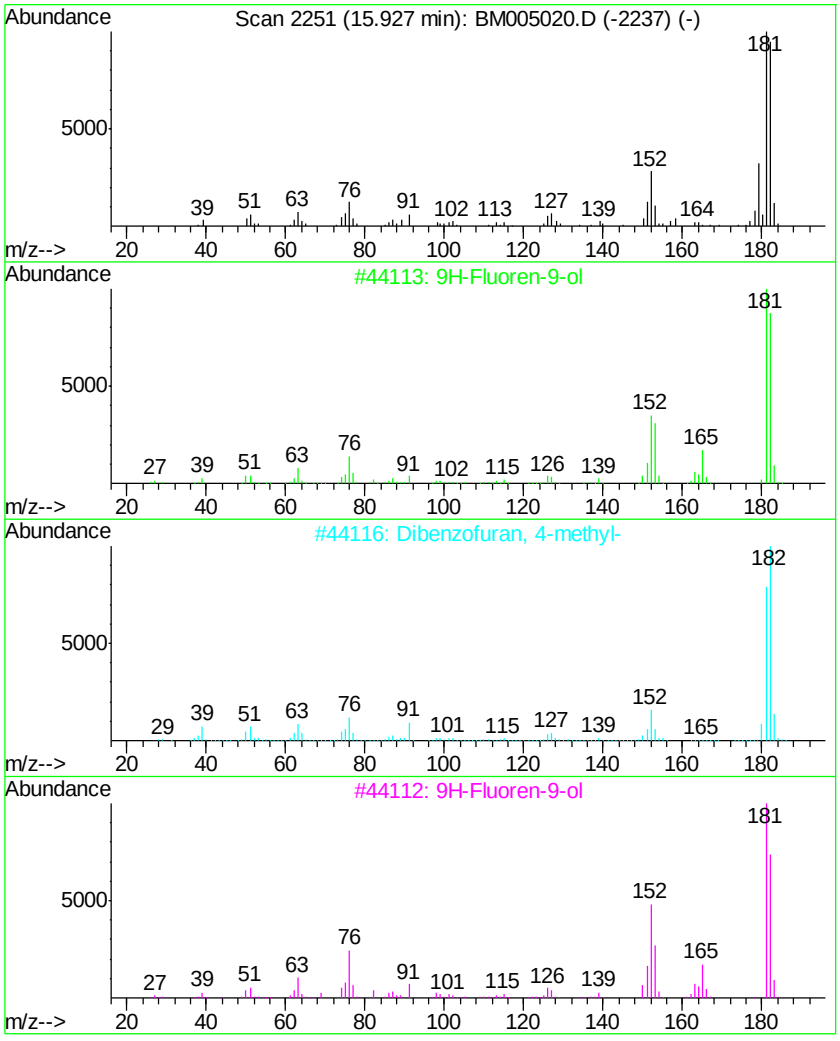
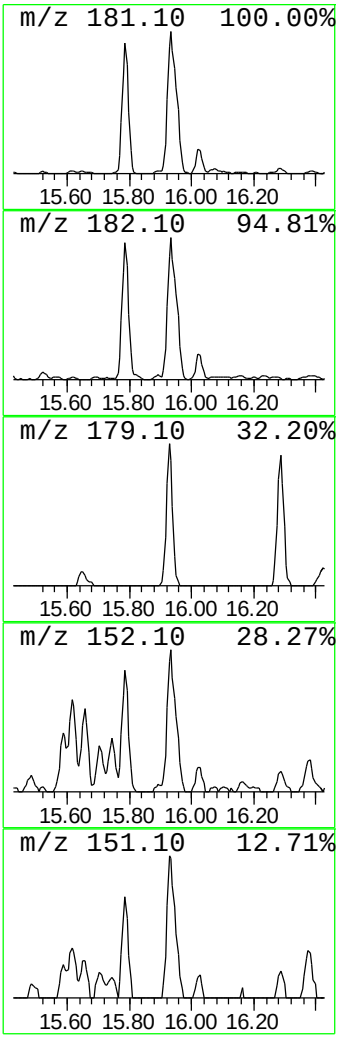
Peak Number 15 9H-Fluoren-9-ol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	16.08 ng/ul	527848	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	62





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Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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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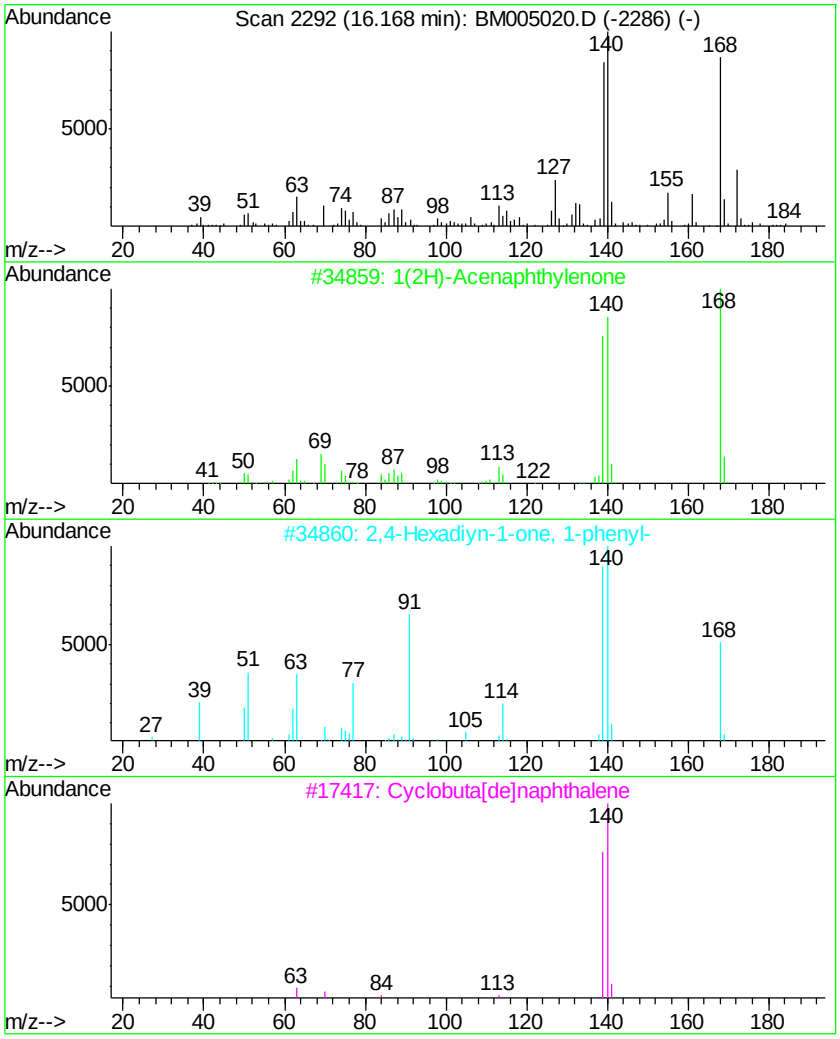
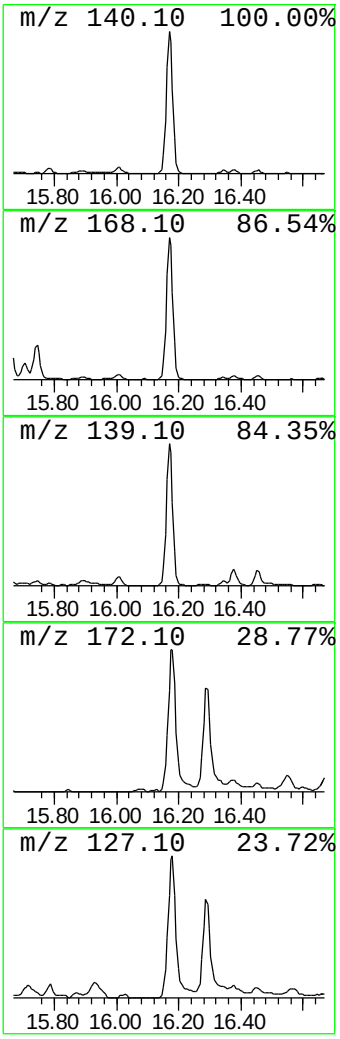
Peak Number 16 1(2H)-Acenaphthylenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	27.25 ng/ul	894364	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	97
2	2,4-Hexadiyn-1-one, 1-phenyl-	168	C12H8O	000495-74-9	62
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	38
4	4H-Pyran-4-one, 2-ethyl-3-hydroxy-	140	C7H8O3	004940-11-8	35
5	Benzaldehyde, 2-fluoro-3-hydroxy-	140	C7H5FO2	103438-86-4	35





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Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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Quant Title : SVOA CALIBRATION

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

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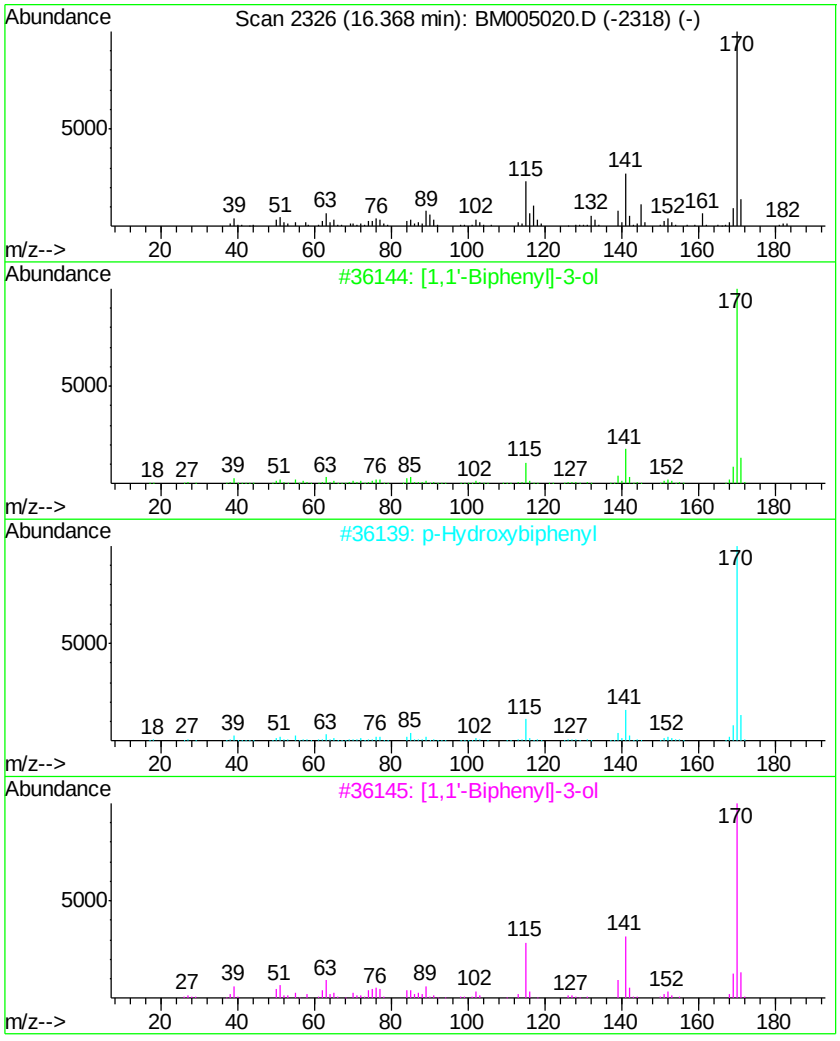
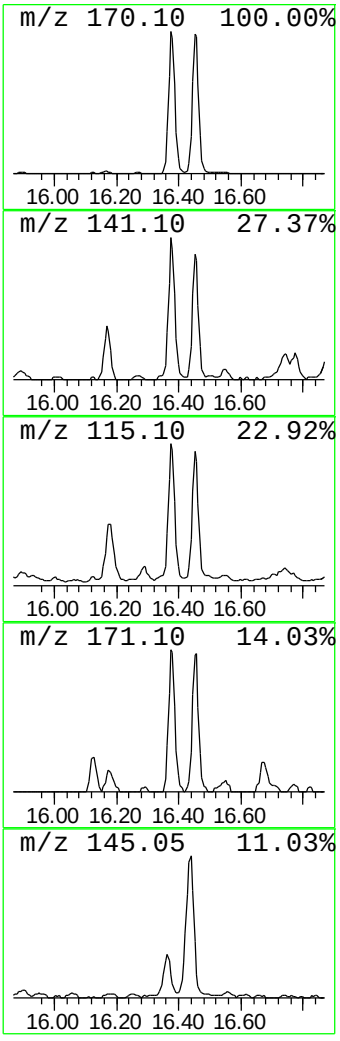
Peak Number 17 [1,1'-Biphenyl]-3-ol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	14.37 ng/ul	471612	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	95
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94
3	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	93
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	93
5	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	90





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Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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Quant Title : SVOA CALIBRATION

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

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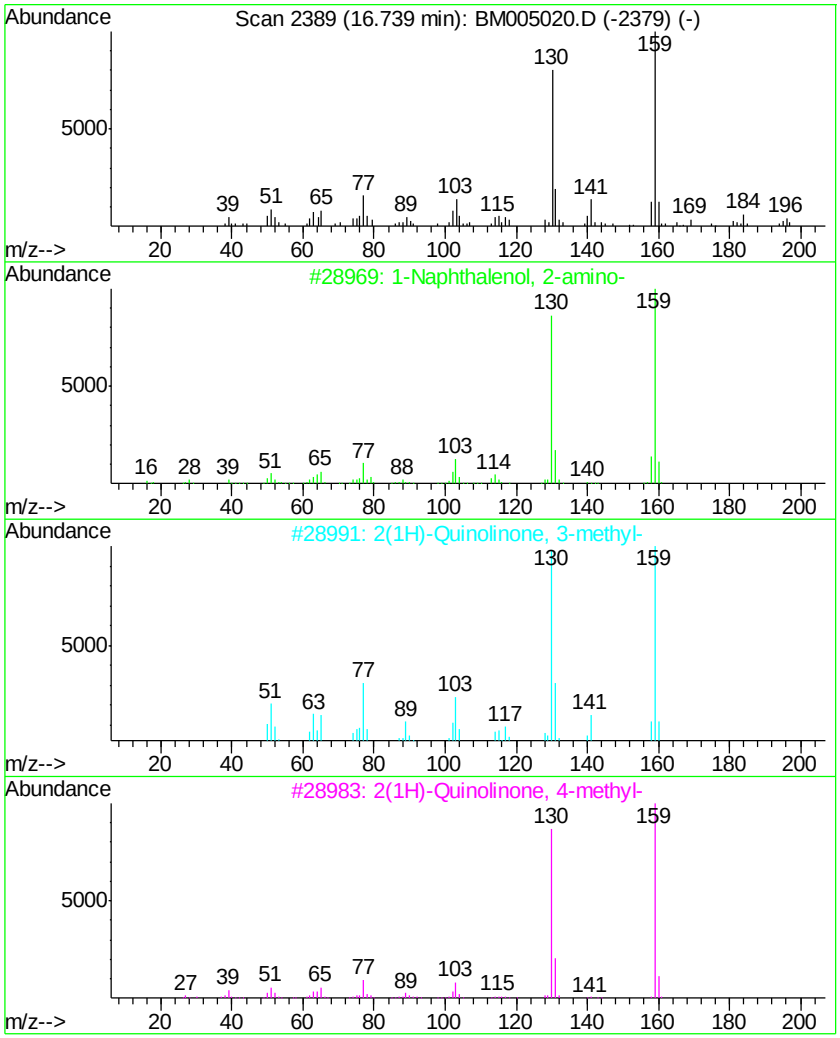
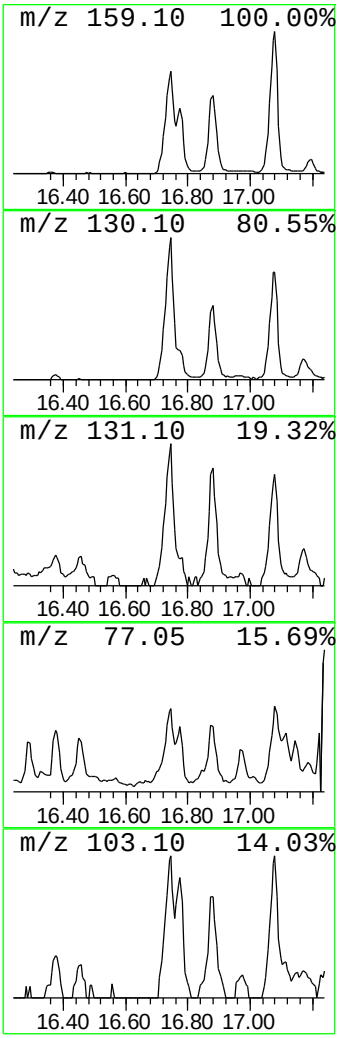
Peak Number 19 1-Naphthalenol, 2-amino- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	9.27 ng/ul	304153	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-amino-	159	C10H9NO	000606-41-7	96
2	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	91
3	2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	91
4	4-Amino-1-naphthol	159	C10H9NO	002834-90-4	87
5	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	83





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Instrument : BNA_M
ClientSampleId : BC7L9

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Quant Title : SVOA CALIBRATION

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

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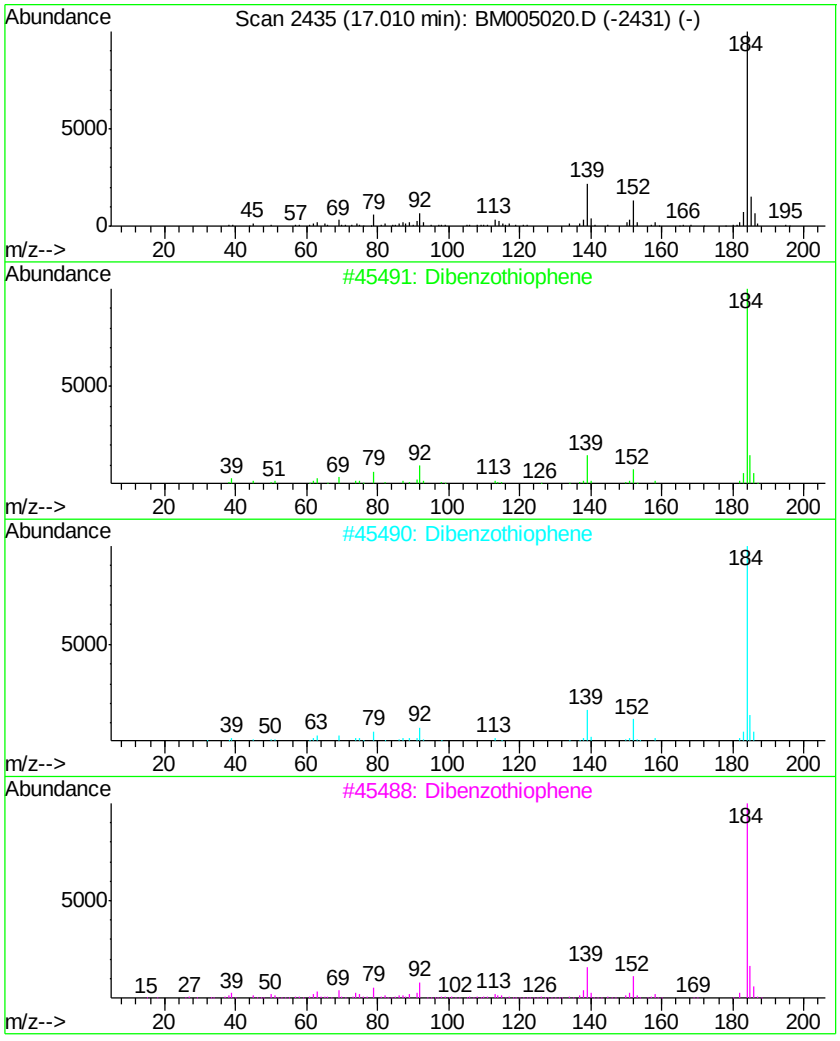
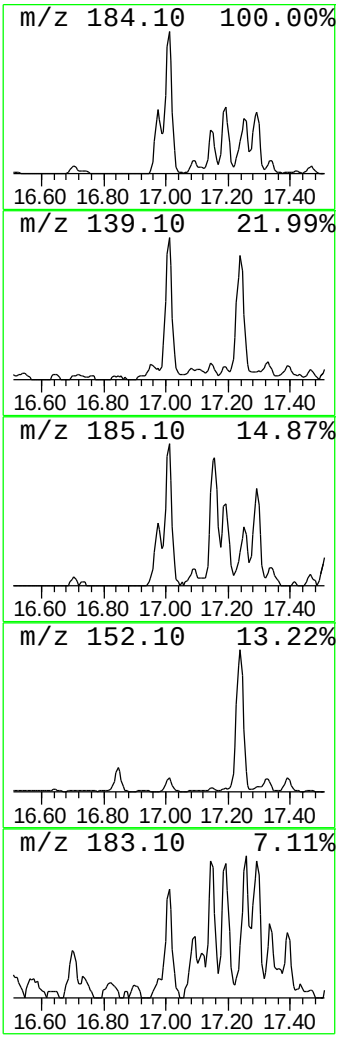
Peak Number 20 Dibenzothiophene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	8.47 ng/ul	278032	Phenanthrene-d10	17.19

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





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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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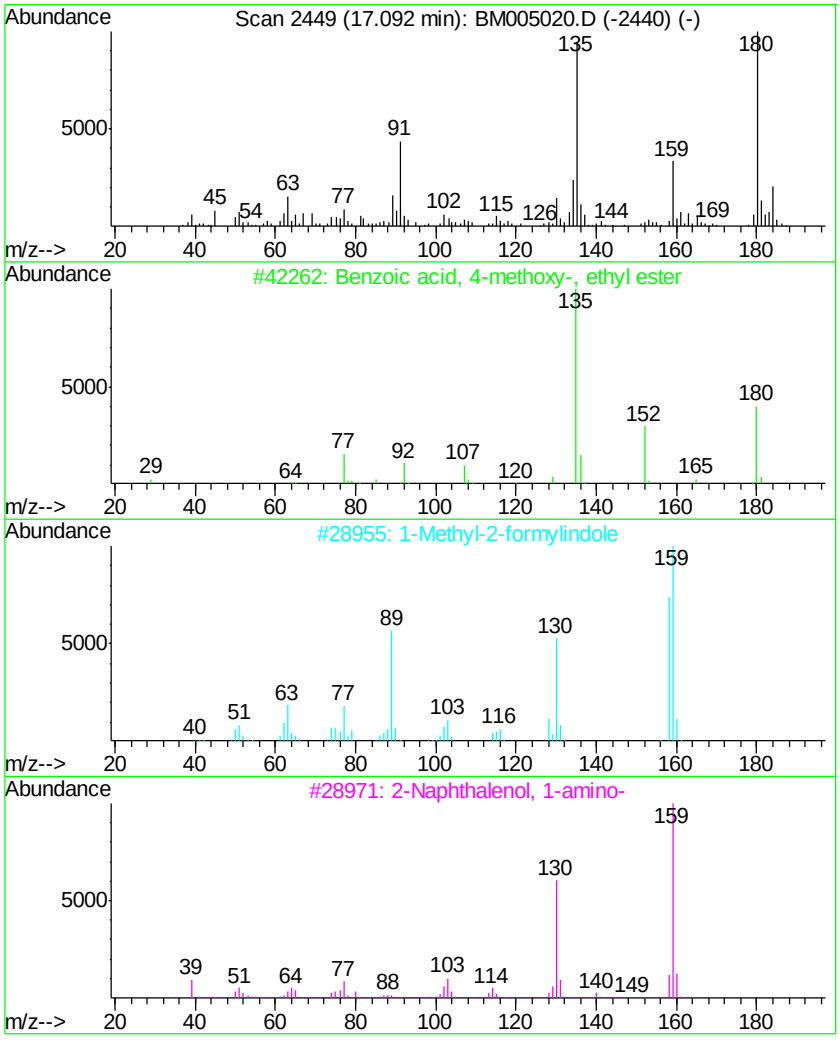
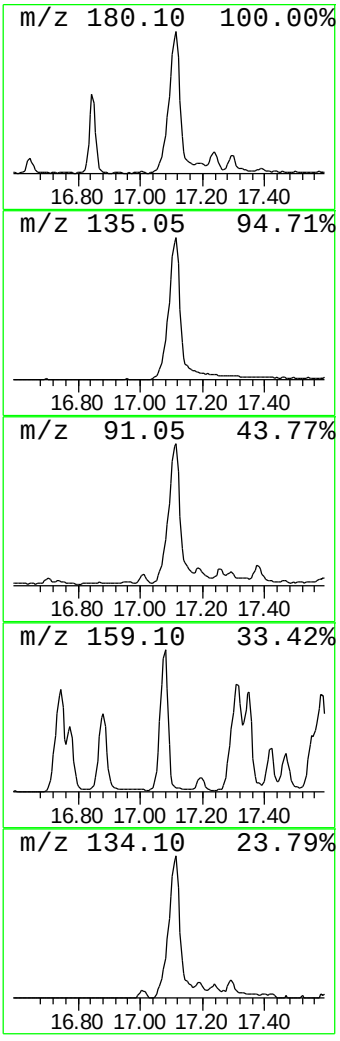
Peak Number 21 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	13.44 ng/ul	441201	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-methoxy-, ethyl ...	180	C10H12O3	000094-30-4	38
2	1-Methyl-2-formylindole	159	C10H9NO	027421-51-8	38
3	2-Naphthalenol, 1-amino-	159	C10H9NO	002834-92-6	35
4	8-Quinolinol, 7-methyl-	159	C10H9NO	005541-68-4	35
5	4-Amino-1-naphthol	159	C10H9NO	002834-90-4	35





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Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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Quant Title : SVOA CALIBRATION

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

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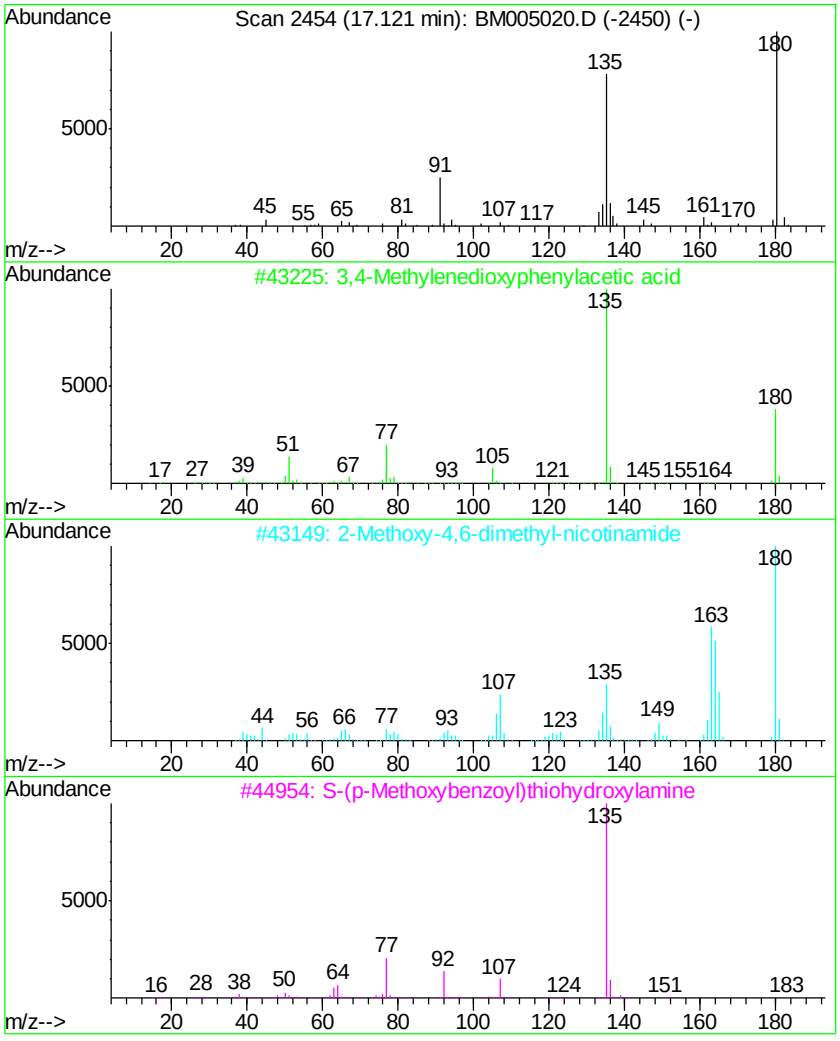
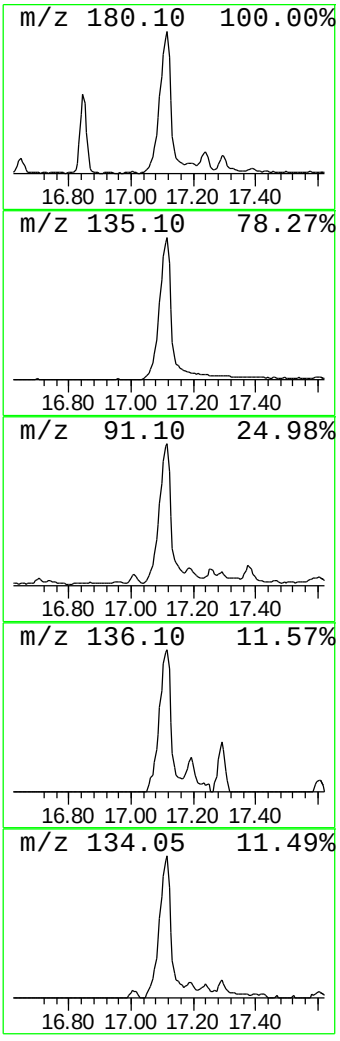
Peak Number 22 3,4-Methylenedioxyphenylace... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	9.29 ng/ul	305040	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Methylenedioxyphenylacetic acid	180	C9H8O4	002861-28-1	50
2	2-Methoxy-4,6-dimethyl-nicotinamide	180	C9H12N2O2	309755-79-1	47
3	S-(p-Methoxybenzoyl)thiohydroxyl...	183	C8H9NO2S	035124-66-4	30
4	Thieno[2,3-c]pyridine	135	C7H5NS	000272-12-8	27
5	Benzene, isothiocyanato-	135	C7H5NS	000103-72-0	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005020.D
Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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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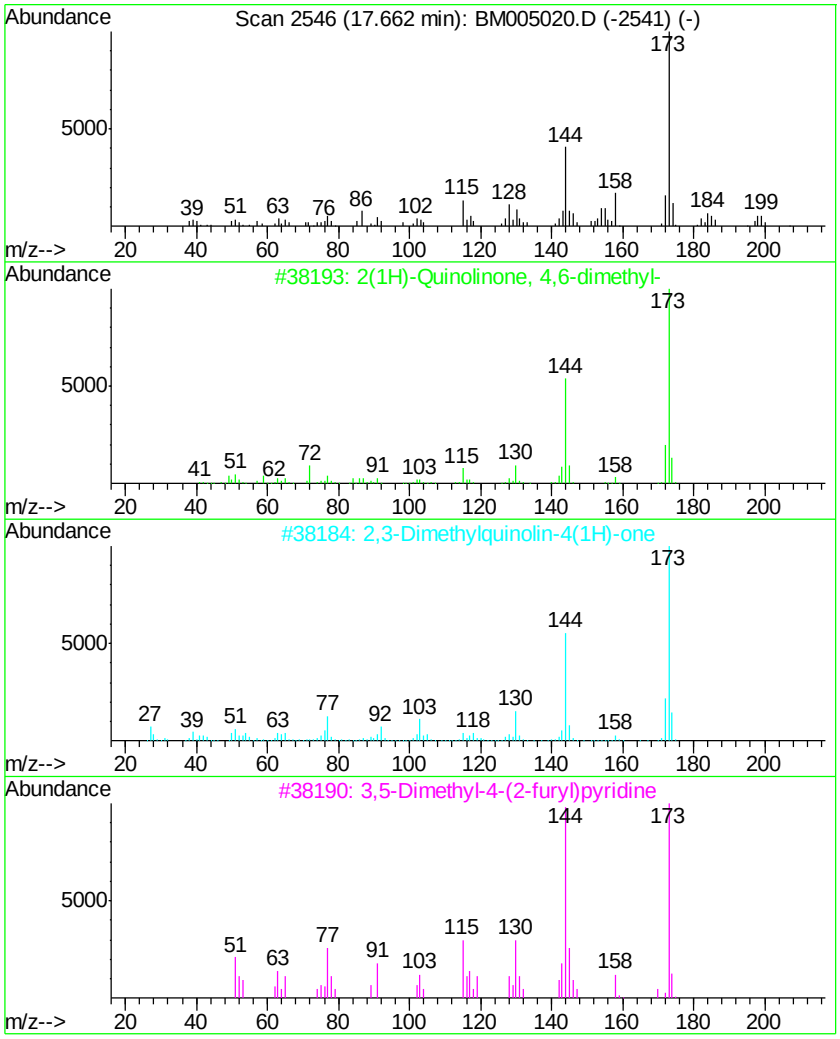
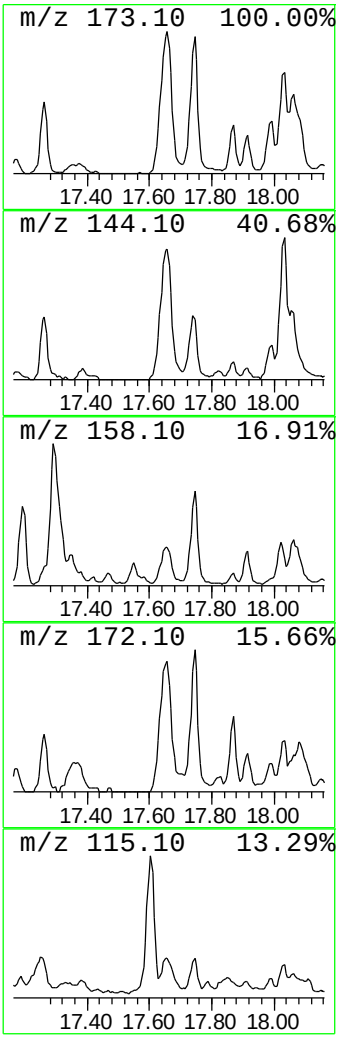
Peak Number 23 2(1H)-Quinolinone, 4,6-dime... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	8.02 ng/ul	263129	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone, 4,6-dimethyl-	173	C11H11NO	023947-37-7	87
2	2,3-Dimethylquinolin-4(1H)-one	173	C11H11NO	058596-45-5	87
3	3,5-Dimethyl-4-(2-furyl)pyridine	173	C11H11NO	078563-72-1	81
4	2(1H)-Quinolinone, 3,4-dimethyl-	173	C11H11NO	017336-90-2	74
5	3-Methyl-4-phenyl-1H-pyrazol-5-a...	173	C10H11N3	060419-81-0	58





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Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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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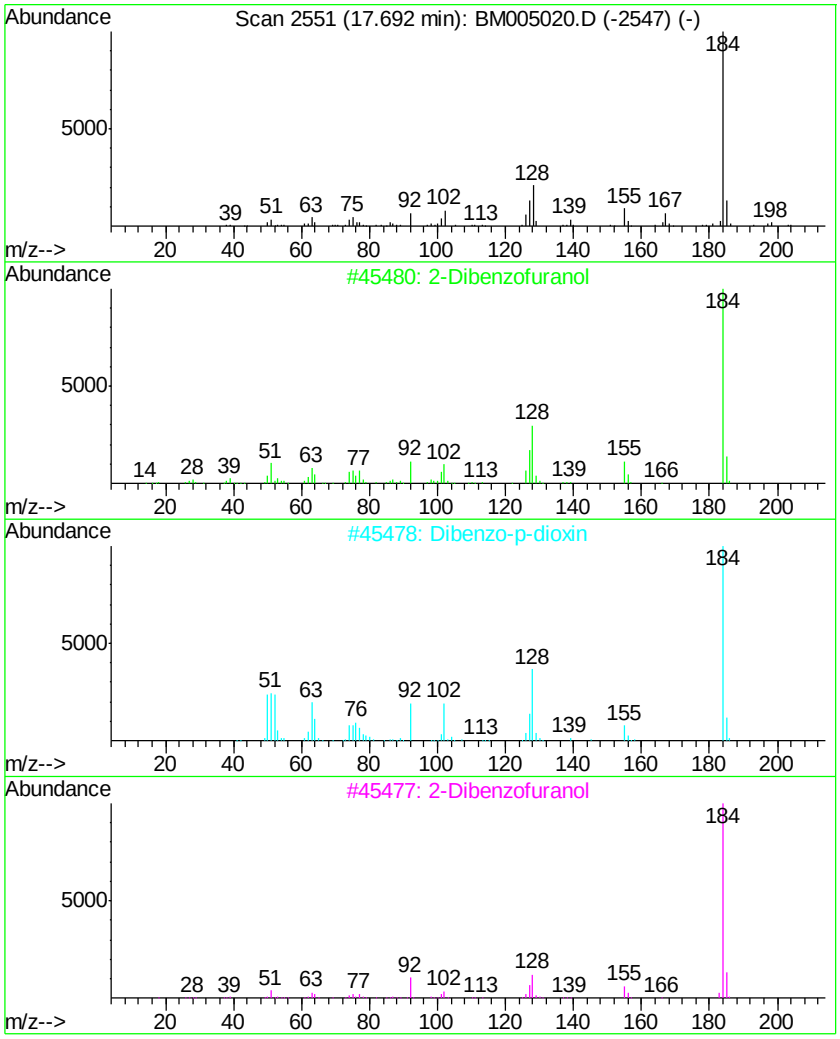
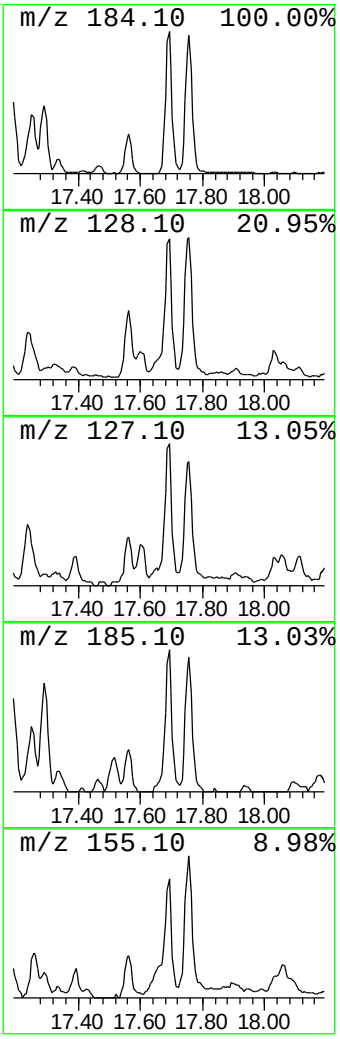
Peak Number 24 2-Dibenzofuranol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	14.01 ng/ul	459836	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	93
2	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	90
3	2-Dibenzofuranol	184	C12H8O2	000086-77-1	90
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	86
5	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	78





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Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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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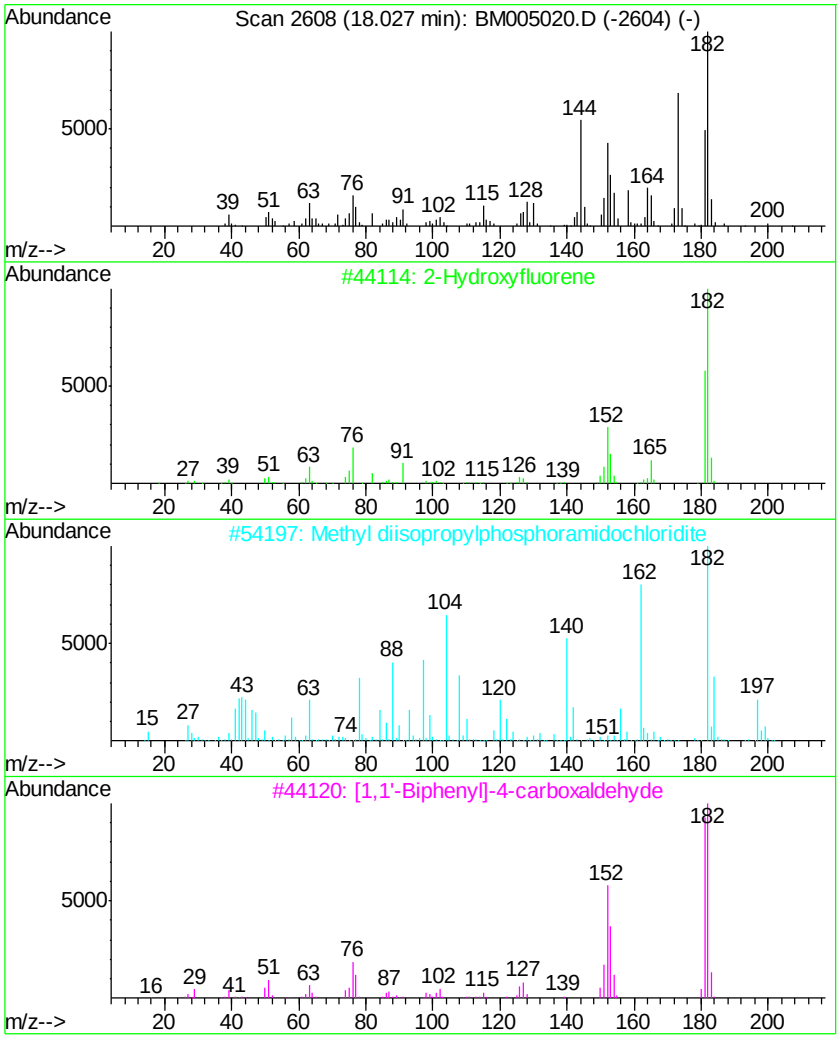
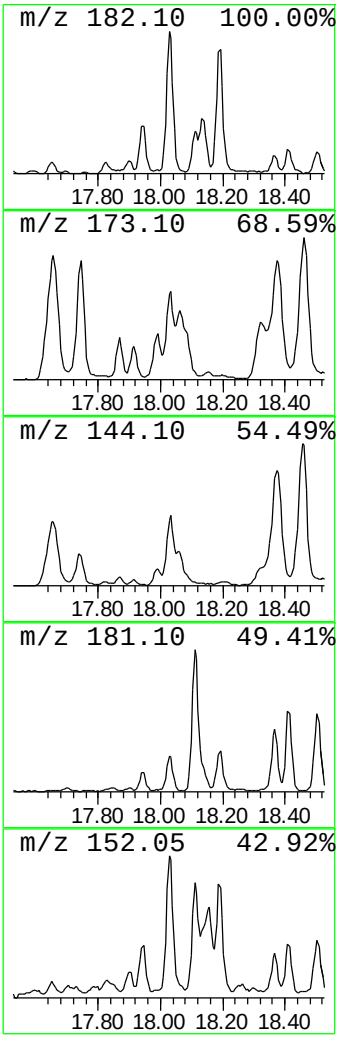
Peak Number 26 2-Hydroxyfluorene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	10.16 ng/ul	333496	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxyfluorene	182	C13H10O	002443-58-5	78
2	Methyl diisopropylphosphoramidoc...	197	C7H17ClNOP	086030-43-5	53
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	43
4	8-Methylaminonaphthalene-1-carbo...	182	C12H10N2	1000187-15-2	35
5	2,4,6-Trimethoxytoluene	182	C10H14O3	014107-97-2	35





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Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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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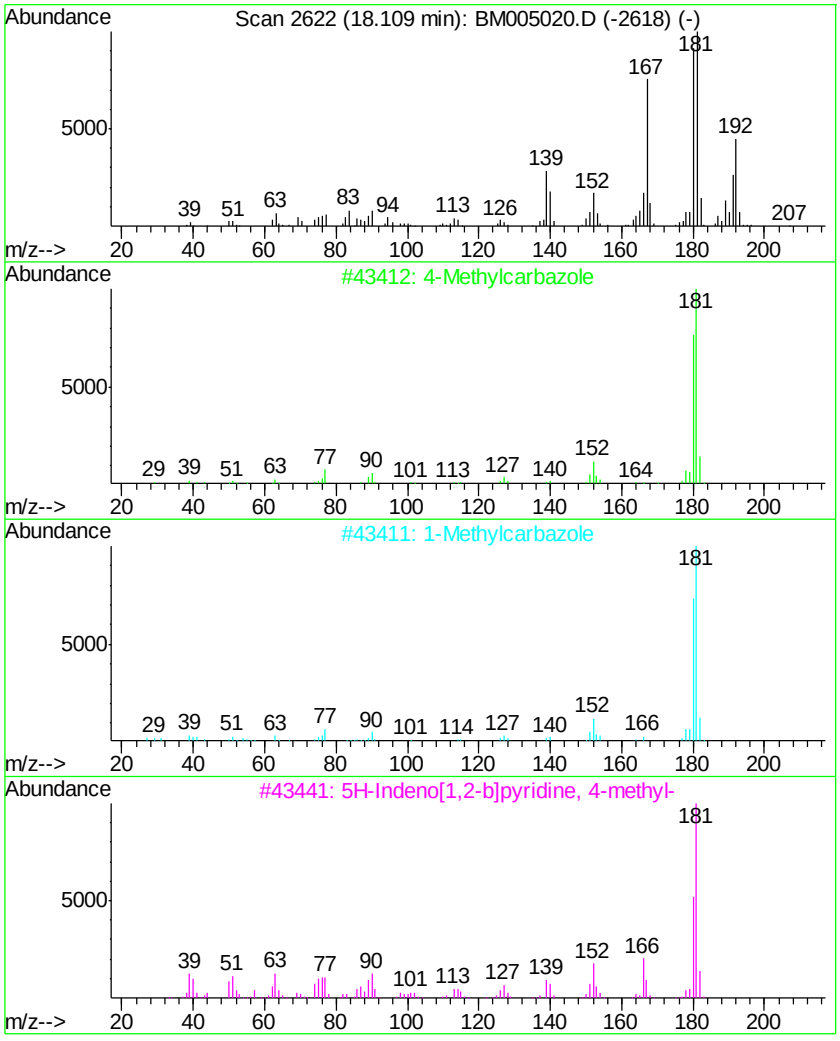
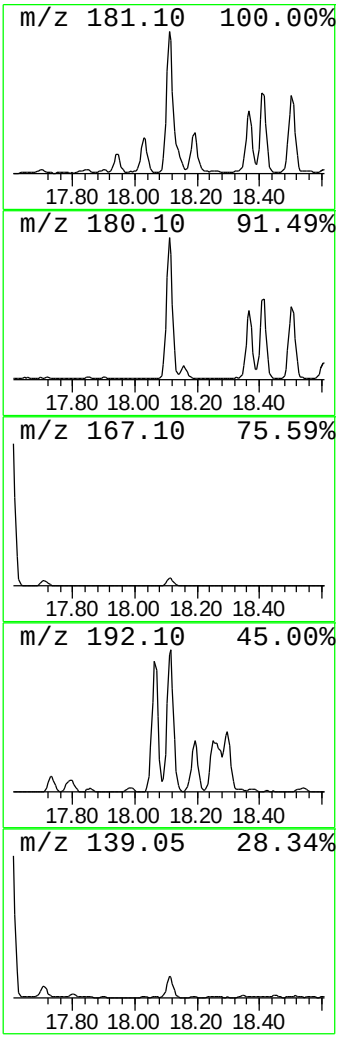
Peak Number 27 4-Methylcarbazole Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	20.89 ng/ul	685636	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylcarbazole	181	C13H11N	003770-48-7	60
2	1-Methylcarbazole	181	C13H11N	006510-65-2	60
3	5H-Indeno[1,2-b]pyridine, 4-methyl-	181	C13H11N	064292-01-9	49
4	Methylcarbazole	181	C13H11N	027323-29-1	46
5	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	46





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Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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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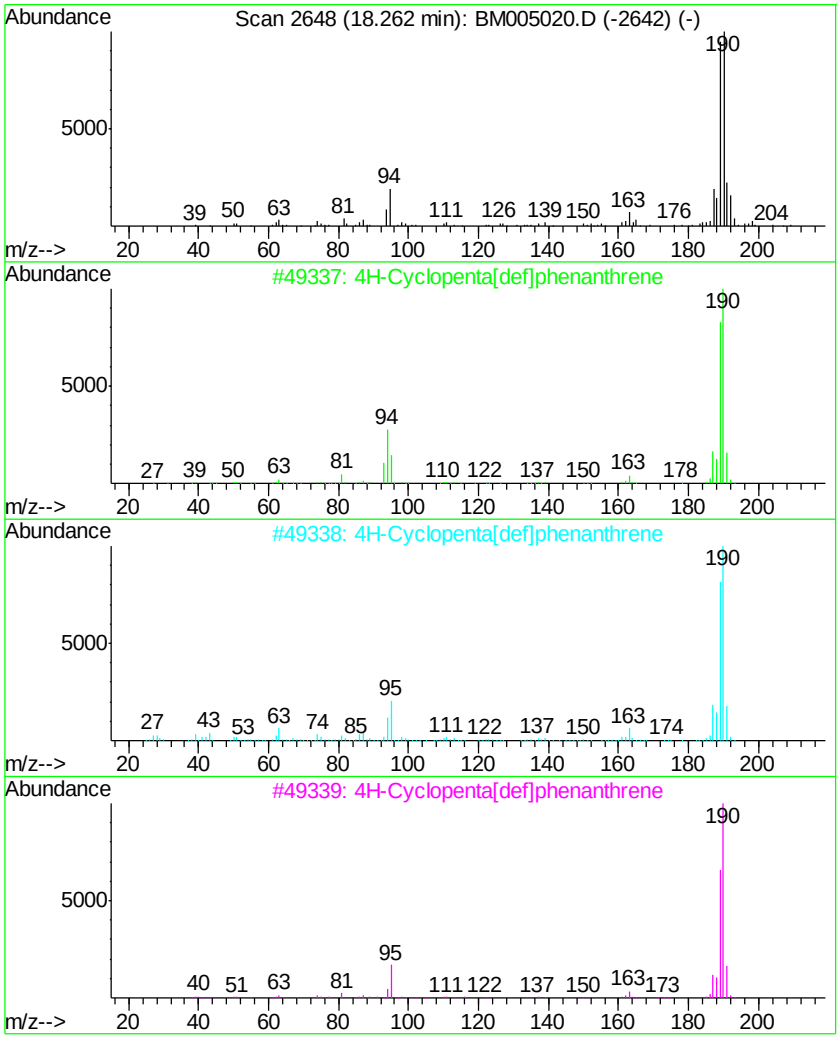
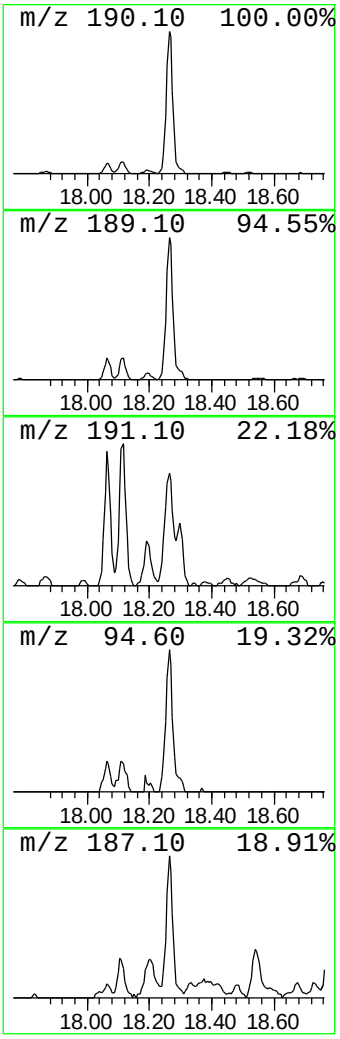
Peak Number 28 4H-Cyclopenta[def]phenanthrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	10.83 ng/ul	355372	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	91
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
5	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59





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Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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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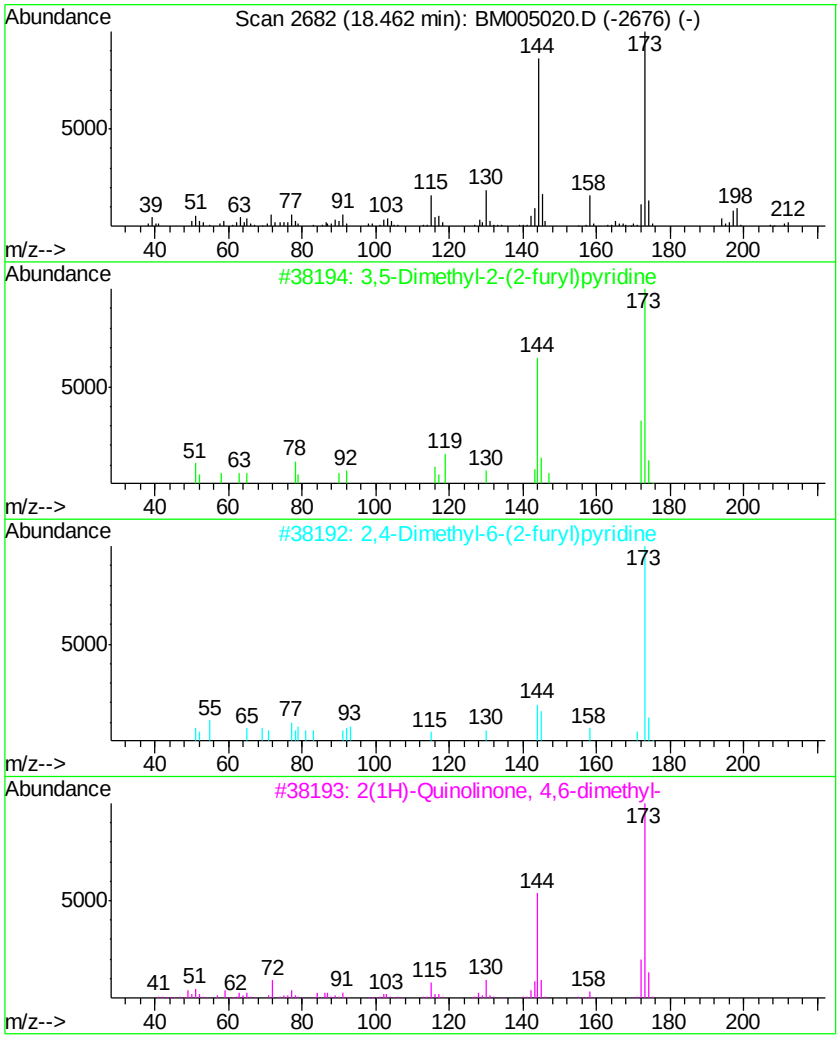
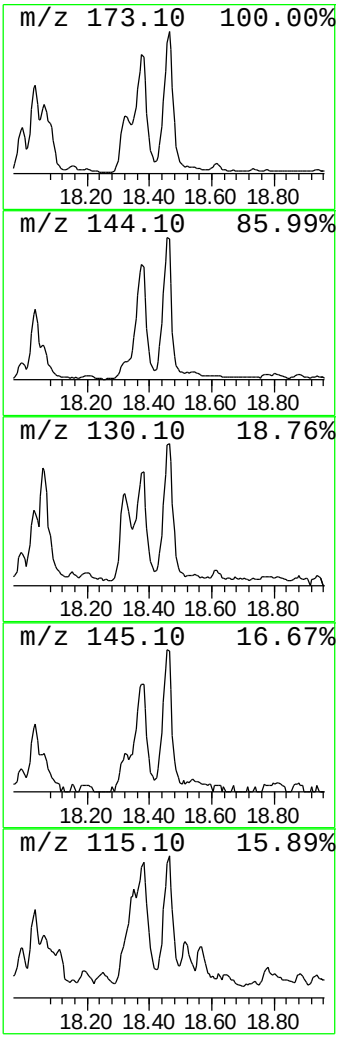
Peak Number 30 3,5-Dimethyl-2-(2-furyl)pyr... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	12.29 ng/ul	403365	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-2-(2-furyl)pyridine	173	C11H11NO	070928-37-9	64
2	2,4-Dimethyl-6-(2-furyl)pyridine	173	C11H11NO	078563-67-4	46
3	2(1H)-Quinolinone, 4,6-dimethyl-	173	C11H11NO	023947-37-7	43
4	5-Methyltryptamine	174	C11H14N2	001821-47-2	38
5	7-Methyltryptamine	174	C11H14N2	014490-05-2	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005020.D
Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7L9

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, 1,2,3-tr...	7.46	30.8	ng/ul	533505	1	7.81	346764	20.0
Benzofuran	7.53	22.8	ng/ul	395011	1	7.81	346764	20.0
Indane	8.18	137.4	ng/ul	2382490	1	7.81	346764	20.0
Indene	8.35	213.0	ng/ul	3693160	1	7.81	346764	20.0
Benzofuran, 7-met...	9.16	23.5	ng/ul	407526	1	7.81	346764	20.0
Naphthalene, 1-me...	12.49	3.1	ng/ul	4121890	2	10.62	26240500	20.0
Naphthalene, 1-et...	13.47	8.7	ng/ul	358834	3	14.45	825559	20.0
Naphthalene, 2,7-...	13.60	12.5	ng/ul	514957	3	14.45	825559	20.0
Naphthalene, 2,3-...	13.76	20.8	ng/ul	856330	3	14.45	825559	20.0
2-Naphthalenecarb...	14.58	22.6	ng/ul	933237	3	14.45	825559	20.0
trans-4-Phenyl-3-...	14.96	18.5	ng/ul	765419	3	14.45	825559	20.0
Dibenzofuran, 4-m...	15.79	8.3	ng/ul	342318	3	14.45	825559	20.0
9H-Fluoren-9-ol	15.93	16.1	ng/ul	527848	4	17.19	656526	20.0
1(2H)-Acenaphthyl...	16.17	27.3	ng/ul	894364	4	17.19	656526	20.0
[1,1'-Biphenyl]-3-ol	16.37	14.4	ng/ul	471612	4	17.19	656526	20.0
1-Naphthalenol, 2...	16.74	9.3	ng/ul	304153	4	17.19	656526	20.0
Dibenzothiophene	17.01	8.5	ng/ul	278032	4	17.19	656526	20.0
unknown-01	17.09	13.4	ng/ul	441201	4	17.19	656526	20.0
3,4-Methylenediox...	17.12	9.3	ng/ul	305040	4	17.19	656526	20.0
2(1H)-Quinolinone...	17.66	8.0	ng/ul	263129	4	17.19	656526	20.0
2-Dibenzofuranol	17.69	14.0	ng/ul	459836	4	17.19	656526	20.0
2-Hydroxyfluorene	18.03	10.2	ng/ul	333496	4	17.19	656526	20.0
4-Methylcarbazole	18.11	20.9	ng/ul	685636	4	17.19	656526	20.0
4H-Cyclopenta[def...	18.26	10.8	ng/ul	355372	4	17.19	656526	20.0
3,5-Dimethyl-2-(2...	18.46	12.3	ng/ul	403365	4	17.19	656526	20.0