LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
Data File : BM004546.D
Acq On : 03 Mar 2016 23:49
Operator : SJ/UM
Sample : H1616-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

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-BM030316.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	2.787	14	17	25	rVB	14190	17495	2.49%	0.131%
2	6.840	700	706	716	rBV	64511	114858	16.37%	0.863%
3	6.934	716	722	732	rVB	58441	89966	12.82%	0.676%
4	7.151	754	759	767	rBB	85584	130983	18.67%	0.984%
5	7.593	828	834	841	rBB	110634	167509	23.88%	1.258%
6	8.357	959	964	978	rBB	96834	173710	24.76%	1.304%
7	8.757	1026	1032	1040	rBV	74962	119933	17.09%	0.901%
8	9.475	1149	1154	1162	rBB	68586	106545	15.19%	0.800%
9	10.069	1249	1255	1271	rBB	92350	183467	26.15%	1.378%
10	10.381	1301	1308	1313	rBV	177337	291527	41.55%	2.189%
11	10.428	1313	1316	1322	rVB	10134	15133	2.16%	0.114%
12	10.539	1329	1335	1352	rBV	67587	129805	18.50%	0.975%
13	11.592	1509	1514	1520	rBB	15543	23225	3.31%	0.174%
14	12.051	1588	1592	1598	rBB	6115	9695	1.38%	0.073%
15	12.275	1626	1630	1635	rBB	4761	7636	1.09%	0.057%
16	13.404	1818	1822	1831	rBB3	14040	25532	3.64%	0.192%
17	13.575	1846	1851	1852	rBV3	8196	10359	1.48%	0.078%
18	13.604	1852	1856	1863	rVV	258518	418993	59.72%	3.146%
19	13.675	1863	1868	1872	rVV	249168	366143	52.19%	2.750%
20	13.722	1872	1876	1882	rVB	94940	133565	19.04%	1.003%
21	13.951	1909	1915	1924	rBV	281391	409936	58.43%	3.078%
22	14.069	1933	1935	1944	rVB3	6431	10490	1.50%	0.079%
23	14.151	1944	1949	1953	rBV3	16186	22508	3.21%	0.169%
24	14.257	1961	1967	1974	rVV2	280650	437565	62.37%	3.286%
25	14.322	1974	1978	1985	rVV	37827	54810	7.81%	0.412%
26	14.486	1998	2006	2012	rVB3	20177	30707	4.38%	0.231%
27	14.663	2028	2036	2040	rBV2	36962	74512	10.62%	0.560%
28	14.880	2070	2073	2075	rBV2	5492	7824	1.12%	0.059%
29	14.974	2085	2089	2094	rVB4	6835	10204	1.45%	0.077%
30	15.039	2096	2100	2104	rBV3	7899	14201	2.02%	0.107%
31	15.086	2104	2108	2116	rVV2	68348	110678	15.78%	0.831%
32	15.257	2131	2137	2142	rBV	371900	523114	74.56%	3.928%
33	15.316	2142	2147	2155	rVB	56408	84890	12.10%	0.637%
34	15.416	2159	2164	2171	rBV2	80247	132236	18.85%	0.993%

LSC Area Percent Report

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Acq On : 03 Mar 2016 23:49
Operator : SJ/UM
Sample : H1616-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

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-BM030316.M
Title : SVOA CALIBRATION

35	15.474	2171	2174	2180	rVV5	11610	26782	3.82%	0.201%
36	15.521	2180	2182	2185	rVV3	11642	15017	2.14%	0.113%
37	15.557	2186	2188	2192	rVV4	8583	10888	1.55%	0.082%
38	15.610	2193	2197	2202	rVB2	13977	24188	3.45%	0.182%
39	15.733	2213	2218	2219	rBV4	4986	7190	1.02%	0.054%
40	15.763	2219	2223	2231	rVV3	14865	31272	4.46%	0.235%
41	15.974	2255	2259	2261	rBV2	27731	39312	5.60%	0.295%
42	16.316	2307	2317	2323	rBV6	23400	69414	9.89%	0.521%
43	16.833	2401	2405	2413	rVB	31212	64154	9.14%	0.482%
44	17.015	2431	2436	2440	rBV	341675	520168	74.14%	3.906%
45	17.057	2440	2443	2448	rVV	481911	646223	92.11%	4.853%
46	17.115	2448	2453	2456	rVV	372707	541259	77.15%	4.065%
47	17.145	2456	2458	2463	rVB	106702	139180	19.84%	1.045%
48	17.892	2581	2585	2589	rBV	49765	84102	11.99%	0.632%
49	17.939	2590	2593	2600	rVB	74670	110447	15.74%	0.829%
50	18.086	2614	2618	2622	rBV2	71761	108185	15.42%	0.812%
51	18.398	2668	2671	2675	rBV	31364	36373	5.18%	0.273%
52	18.598	2702	2705	2710	rBV	46761	67963	9.69%	0.510%
53	18.821	2740	2743	2747	rBV	32979	47924	6.83%	0.360%
54	19.086	2783	2788	2795	rBV	500203	701570	100.00%	5.268%
55	19.427	2841	2846	2848	rBV2	431102	612965	87.37%	4.603%
56	19.456	2848	2851	2859	rVV	451257	650742	92.76%	4.887%
57	19.533	2860	2864	2869	rVB2	113436	172335	24.56%	1.294%
58	20.056	2950	2953	2956	rBV	44062	51154	7.29%	0.384%
59	20.115	2960	2963	2967	rVB	114657	140540	20.03%	1.055%
60	20.256	2984	2987	2991	rBV	105291	127434	18.16%	0.957%
61	20.303	2992	2995	2998	rVV	71996	109851	15.66%	0.825%
62	20.339	2998	3001	3007	rVB	100113	127750	18.21%	0.959%
63	20.798	3076	3079	3084	rVB	93949	120818	17.22%	0.907%
64	20.851	3085	3088	3091	rBV	75587	92443	13.18%	0.694%
65	21.227	3146	3152	3156	rBV2	333169	635825	90.63%	4.775%
66	21.262	3156	3158	3162	rVB	108868	125075	17.83%	0.939%
67	21.339	3168	3171	3175	rVB2	83477	100644	14.35%	0.756%
68	21.527	3200	3203	3206	rBV	103503	98882	14.09%	0.743%
69	21.592	3211	3214	3218	rBV	123450	161225	22.98%	1.211%
70	21.692	3226	3231	3234	rBV	270021	515720	73.51%	3.873%
71	21.786	3244	3247	3252	rVB2	226358	281746	40.16%	2.116%

LSC Area Percent Report

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Sample : H1616-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

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-BM030316.M
Title : SVOA CALIBRATION

72	21.921	3268	3270	3281	rVB2	150809	240261	34.25%	1.804%
73	22.268	3326	3329	3334	rVB	140819	168712	24.05%	1.267%
74	22.368	3343	3346	3351	rVB2	98068	128993	18.39%	0.969%
75	22.786	3414	3417	3422	rBV	86115	146301	20.85%	1.099%
76	23.256	3493	3497	3500	rBV	94142	156458	22.30%	1.175%
77	23.303	3501	3505	3510	rVV	168281	297866	42.46%	2.237%
78	23.444	3524	3529	3535	rBV2	168064	301291	42.95%	2.263%

Sum of corrected areas: 13316396

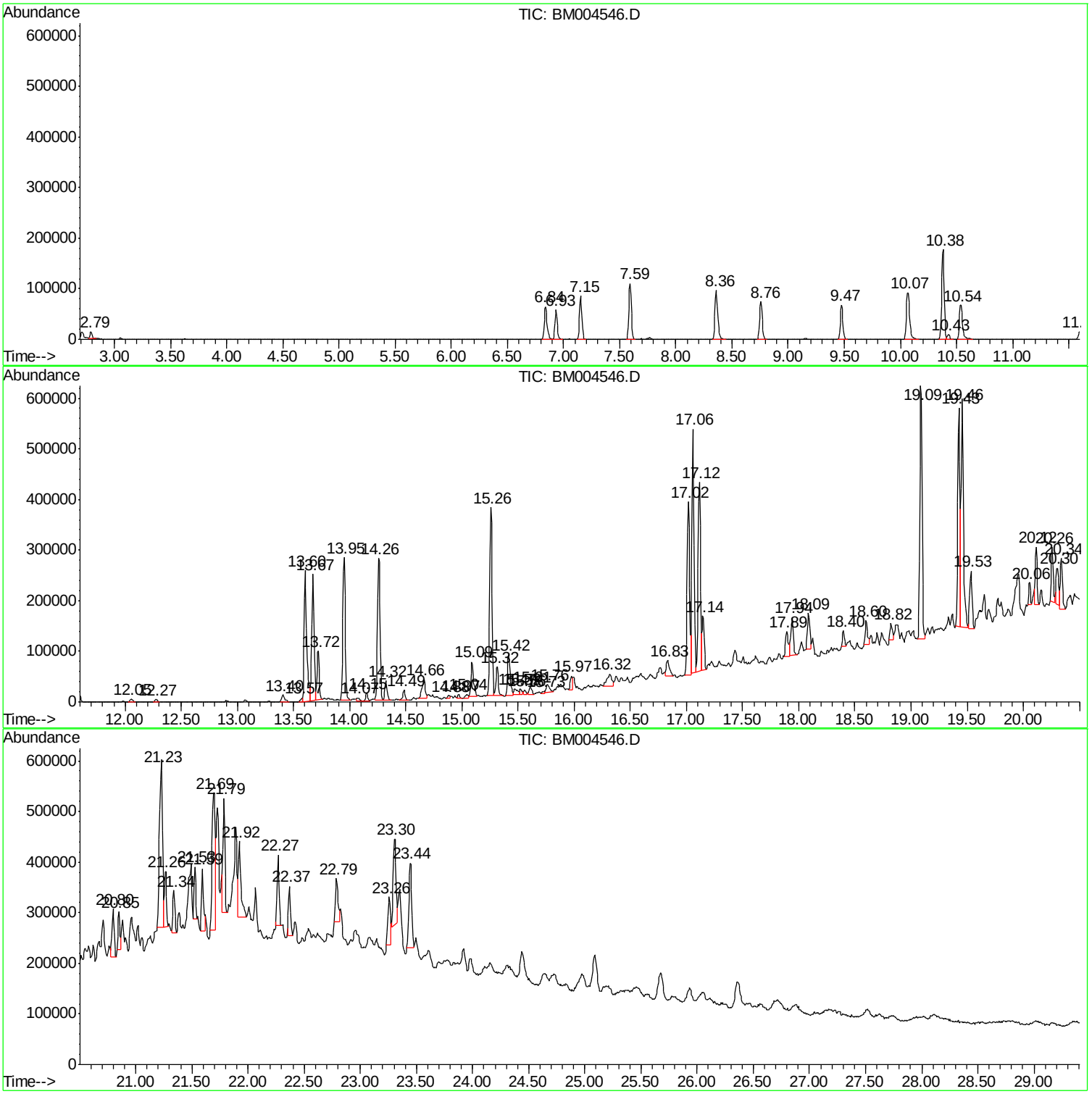
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
Data File : BM004546.D
Acq On : 03 Mar 2016 23:49
Operator : SJ/UM
Sample : H1616-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BLDG06-P004-SS001-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
Data File : BM004546.D
Acq On : 03 Mar 2016 23:49
Operator : SJ/UM
Sample : H1616-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION

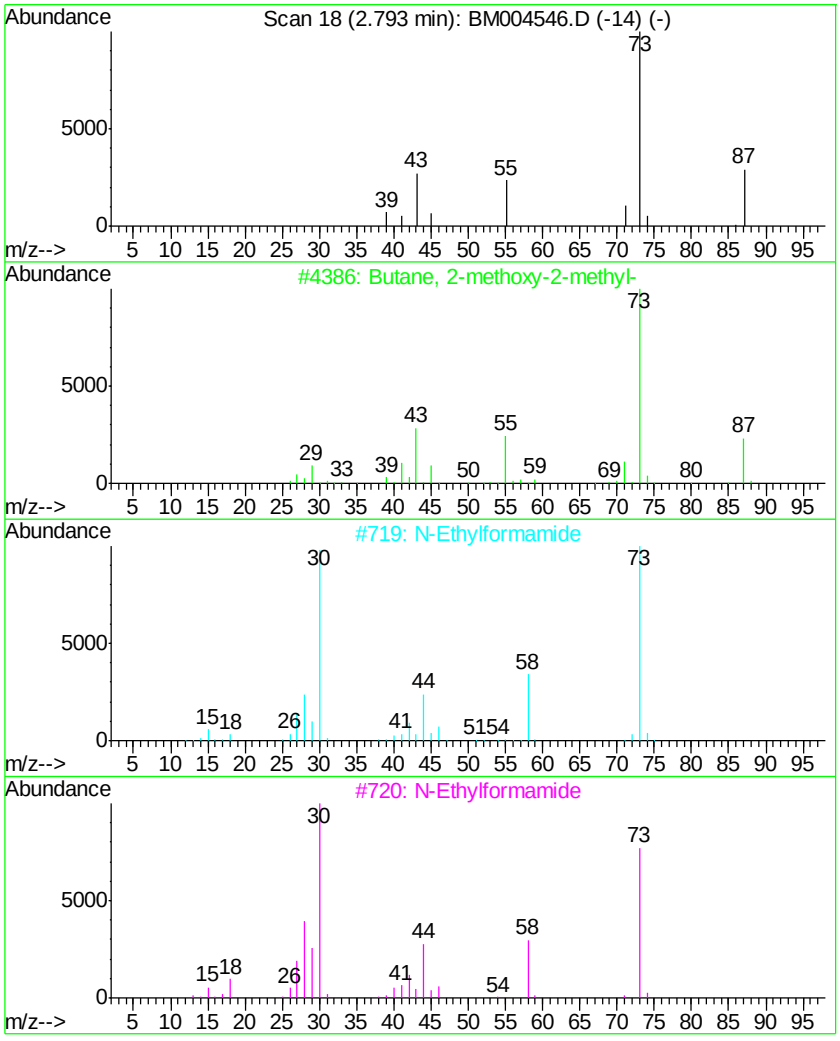
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

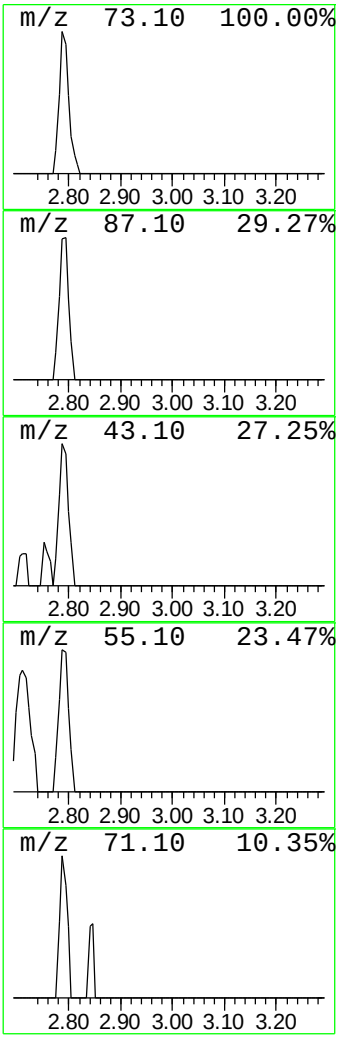
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	2.09 ng/ul	17495	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	N-Ethylformamide	73	C3H7NO	000627-45-2	7
3	N-Ethylformamide	73	C3H7NO	000627-45-2	5
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	4
5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	4





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION

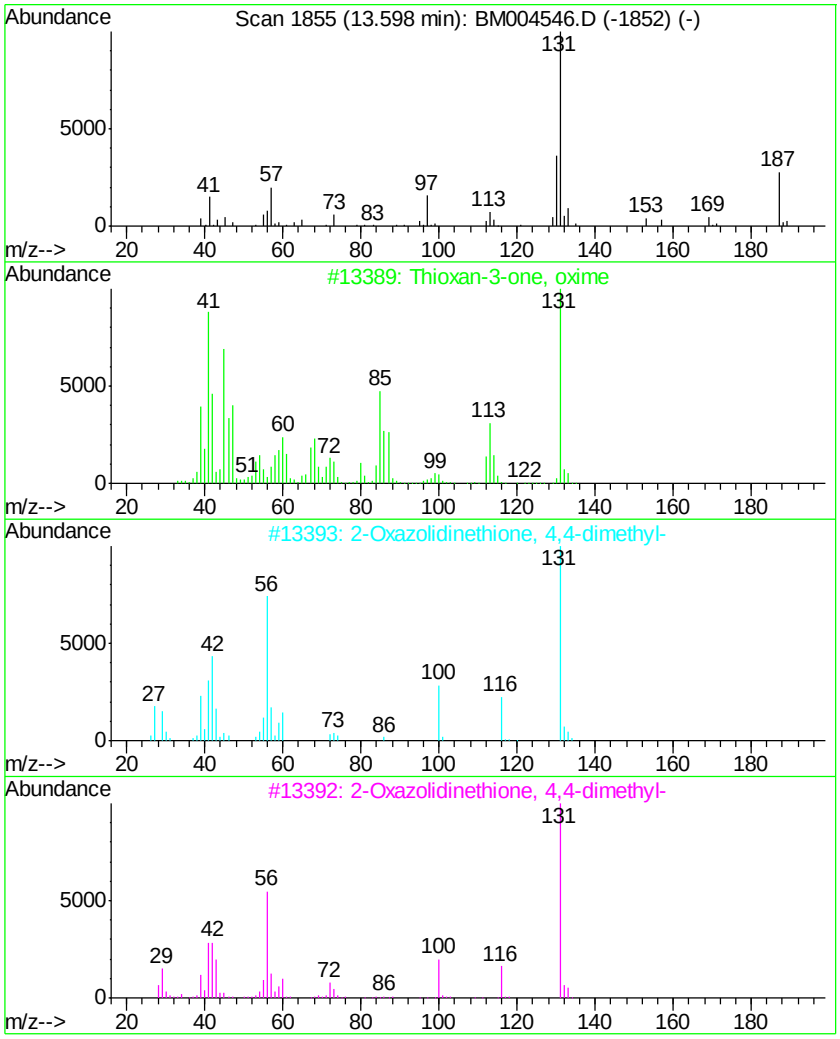
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

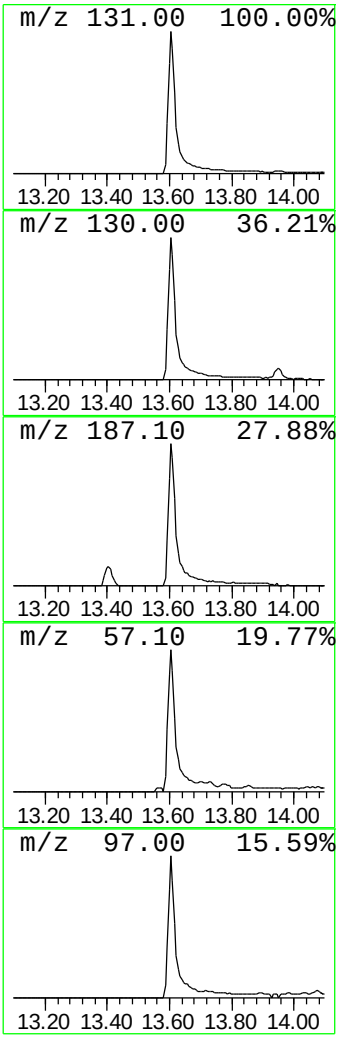
****

Peak Number 2 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	19.15 ng/ul	418993	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thioxan-3-one, oxime	131	C5H9NOS	058230-51-6	38
2	2-Oxazolidinethione, 4,4-dimethyl-	131	C5H9NOS	054013-55-7	9
3	2-Oxazolidinethione, 4,4-dimethyl-	131	C5H9NOS	054013-55-7	9
4	Silane, [1-(5-ethenyltetrahydro-...	242	C13H26O2Si	057397-14-5	9
5	Butane-1,3-diol, 1-methylene-3-m...	260	C12H28O2Si2	117201-96-4	9





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Operator : SJ/UM
Sample : H1616-07
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION

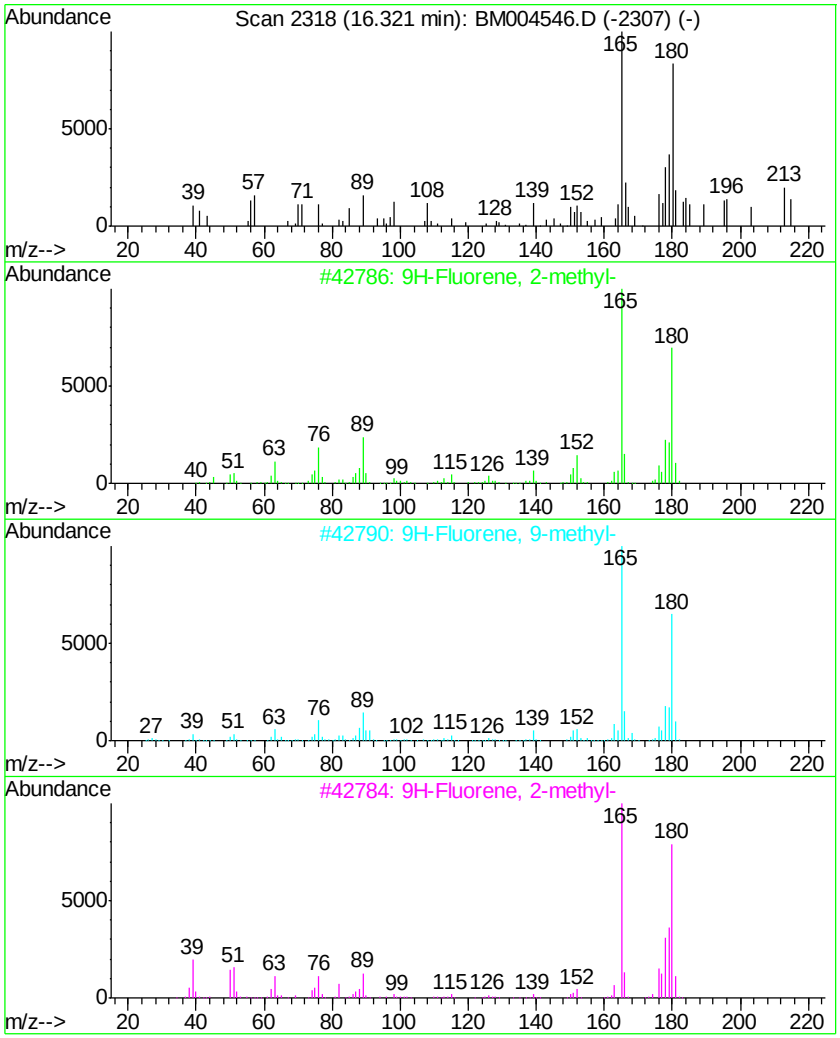
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

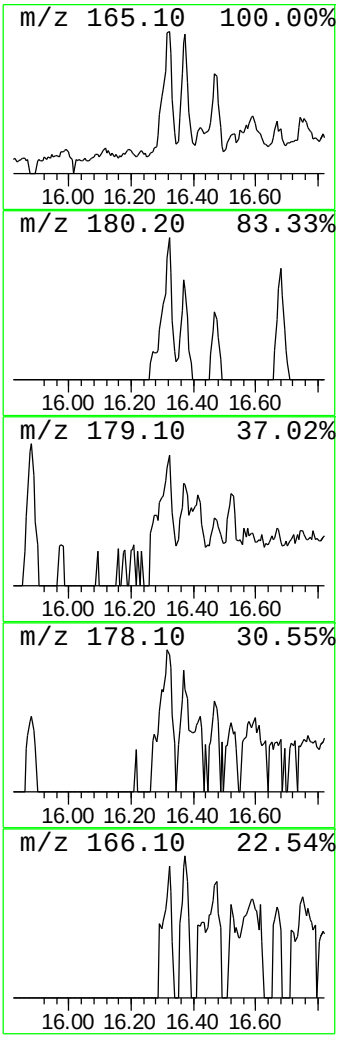
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	2.67 ng/ul	69414	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	60
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	49
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	49
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	46
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION

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

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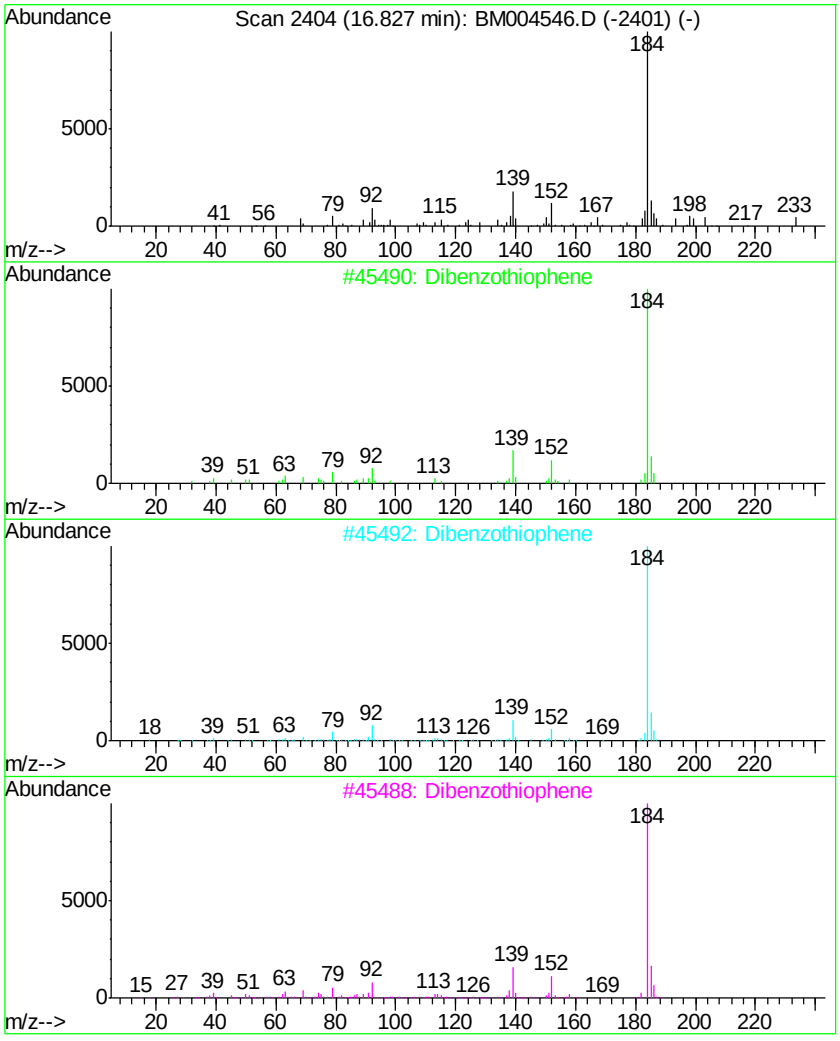
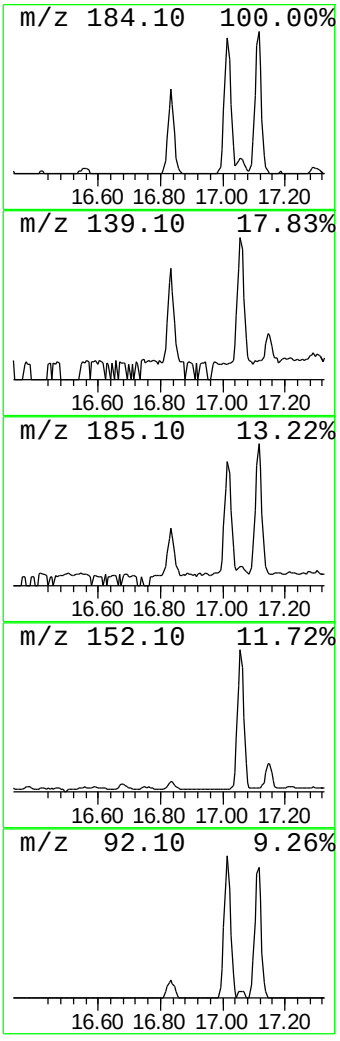
Peak Number 4 Dibenzothiophene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	2.47 ng/ul	64154	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	91
2	Dibenzothiophene	184	C12H8S	000132-65-0	90
3	Dibenzothiophene	184	C12H8S	000132-65-0	90
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





Library Search Compound Report

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Acq On : 03 Mar 2016 23:49
Operator : SJ/UM
Sample : H1616-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION

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

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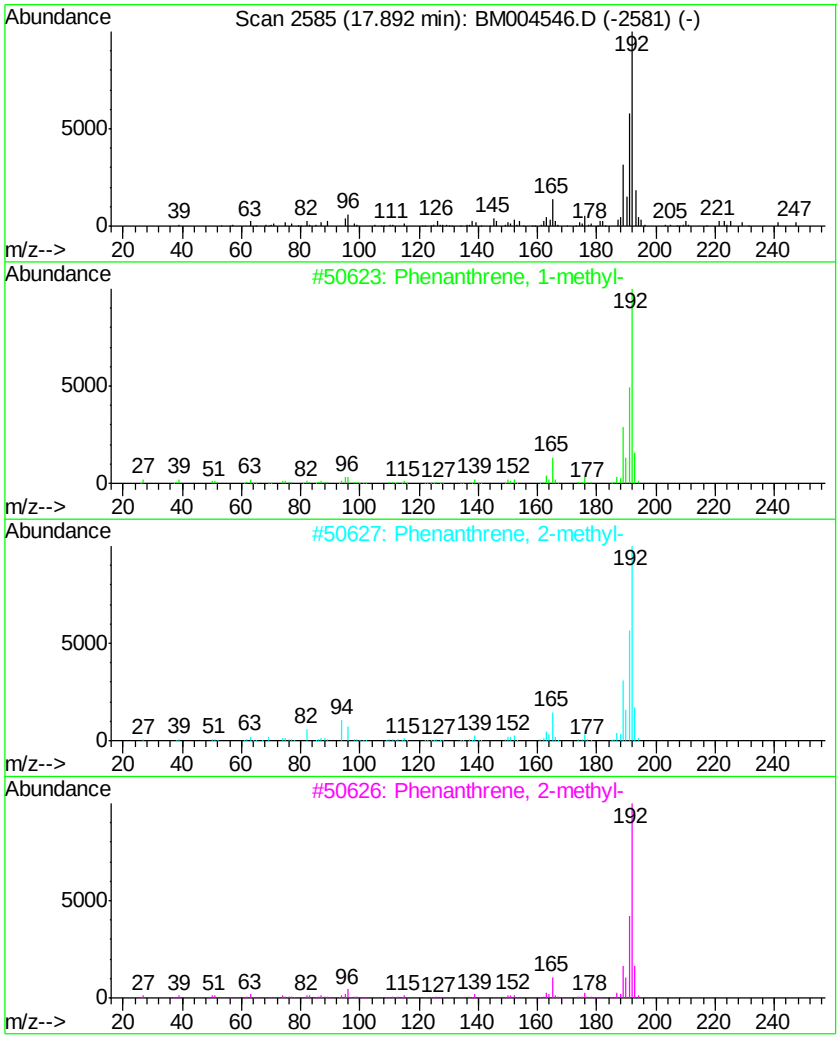
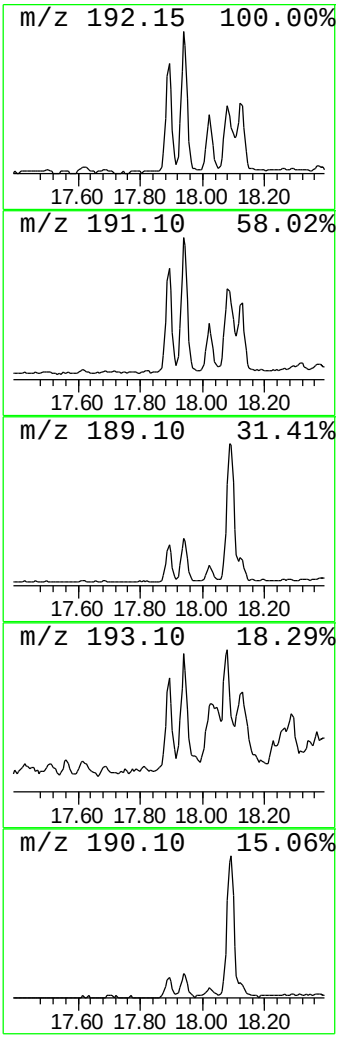
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	3.23 ng/ul	84102	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Data File : BM004546.D
Acq On : 03 Mar 2016 23:49
Operator : SJ/UM
Sample : H1616-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION

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

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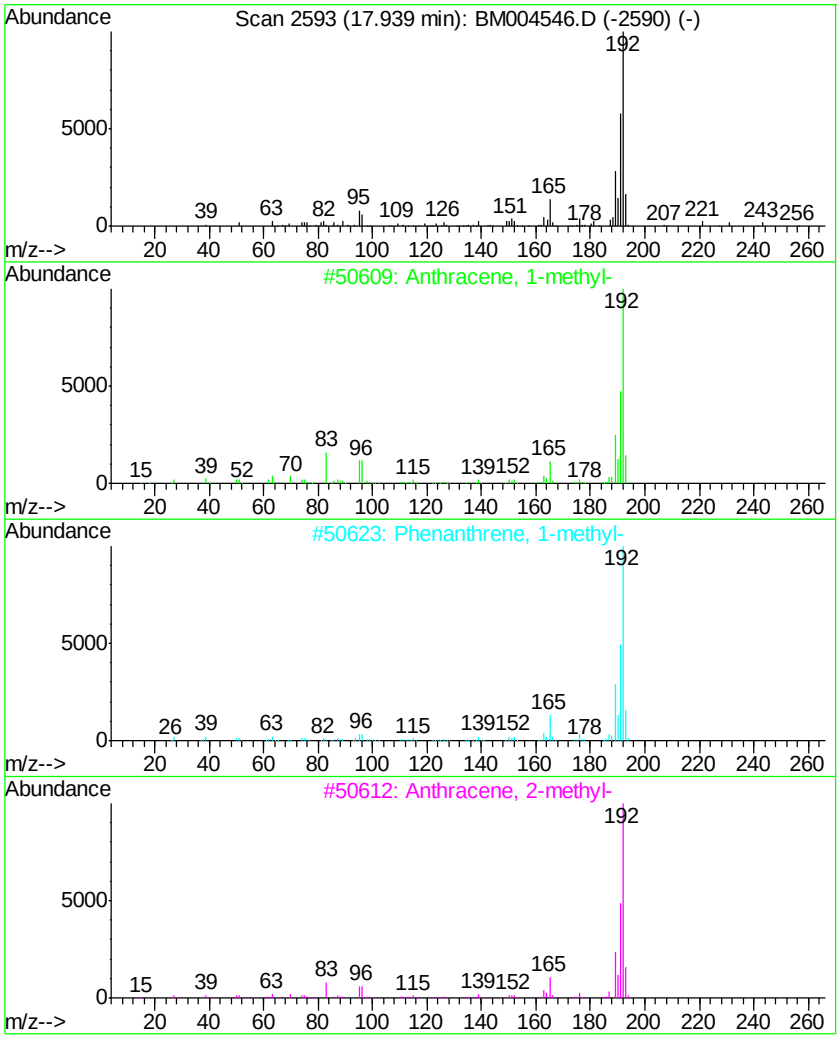
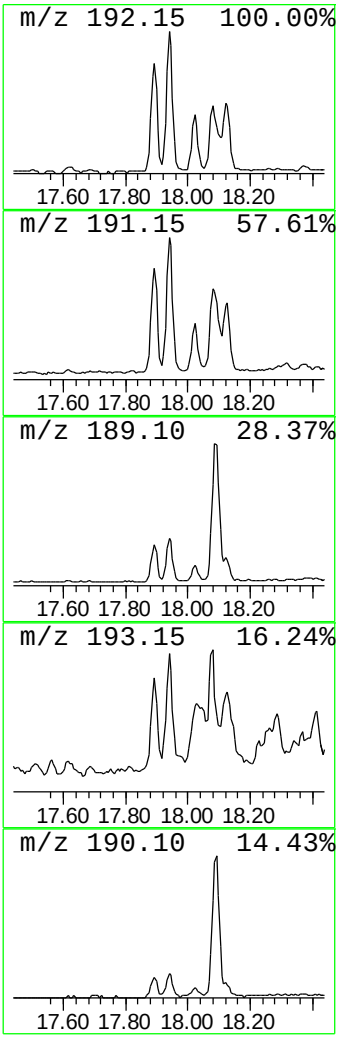
Peak Number 6 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.25 ng/ul	110447	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
Data File : BM004546.D
Acq On : 03 Mar 2016 23:49
Operator : SJ/UM
Sample : H1616-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

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Quant Title : SVOA CALIBRATION

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

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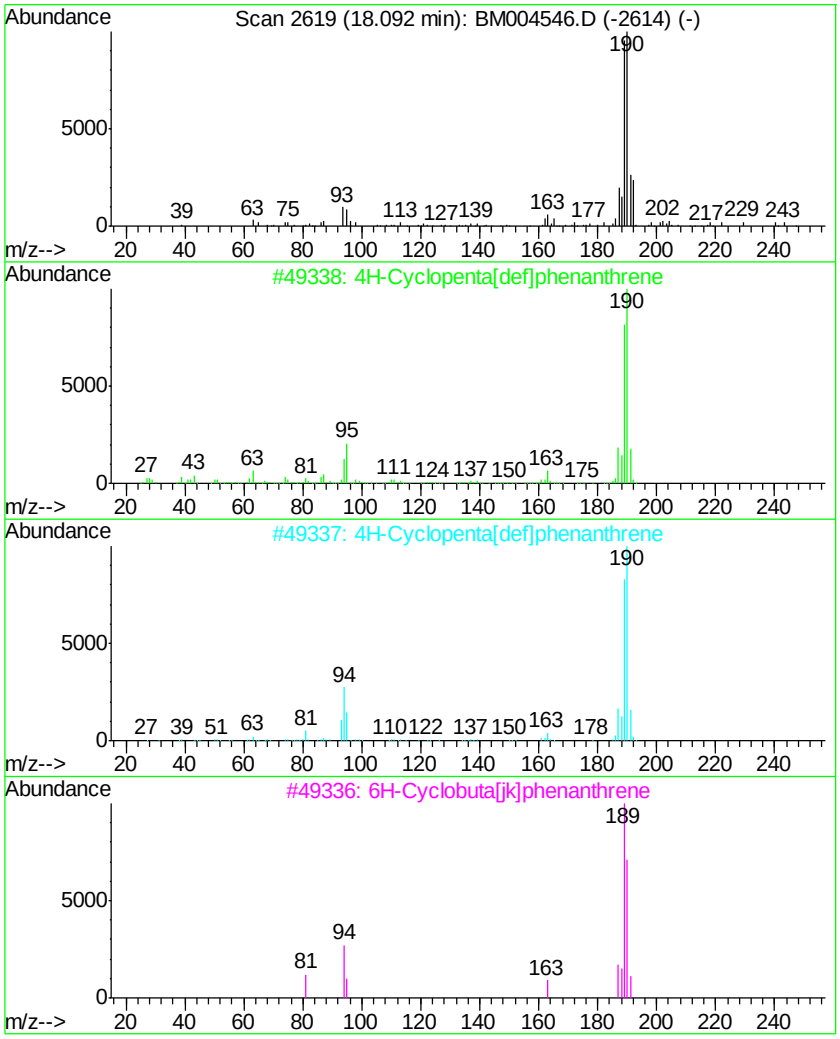
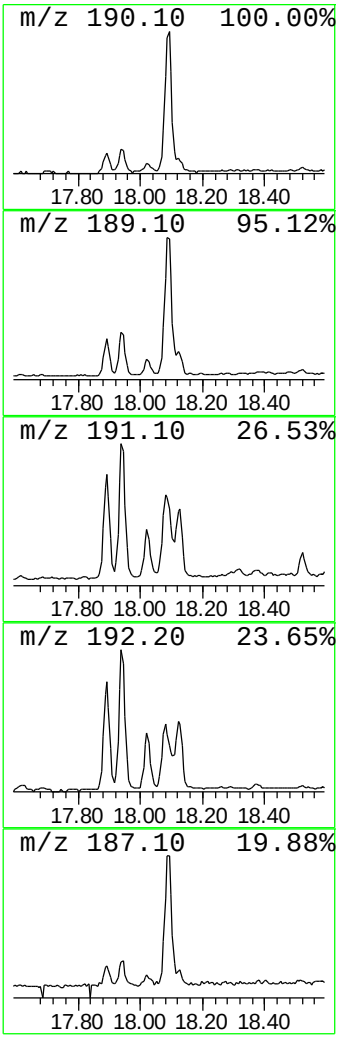
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	4.16 ng/ul	108185	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	89
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Acq On : 03 Mar 2016 23:49
Operator : SJ/UM
Sample : H1616-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION

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

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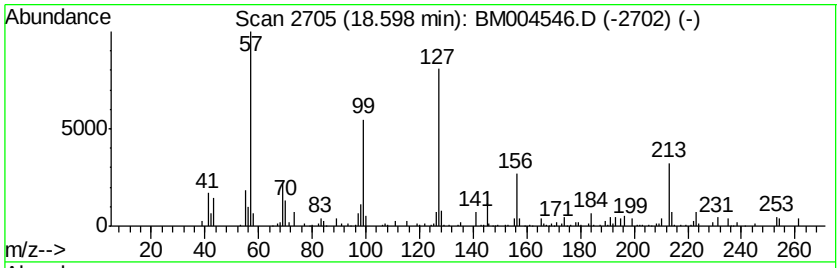
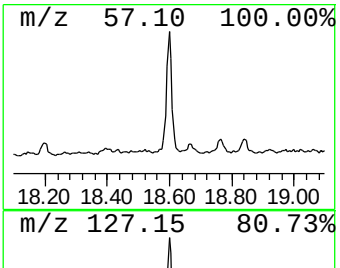
Peak Number 8 unknown-02 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	2.61 ng/ul	67963	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Amino-4,6-dihydroxypyrimidine	127	C4H5N3O2	000056-09-7	47
2	Hexanoic acid, 2-ethyl-, anhydride	270	C16H30O3	036765-89-6	38
3	3,5-Heptanedione, 2,2,6,6-tetram...	184	C11H20O2	001118-71-4	35
4	3,3-Dimethylbutyl propylphosphon...	210	C9H20FO2P	1000298-39-7	27
5	4-Isoxazolemethanol, 3,5-dimethyl-	127	C6H9NO2	019788-36-4	27





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Misc :
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ClientSampleId : BLDG06-P004-SS001-01

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Quant Title : SVOA CALIBRATION

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

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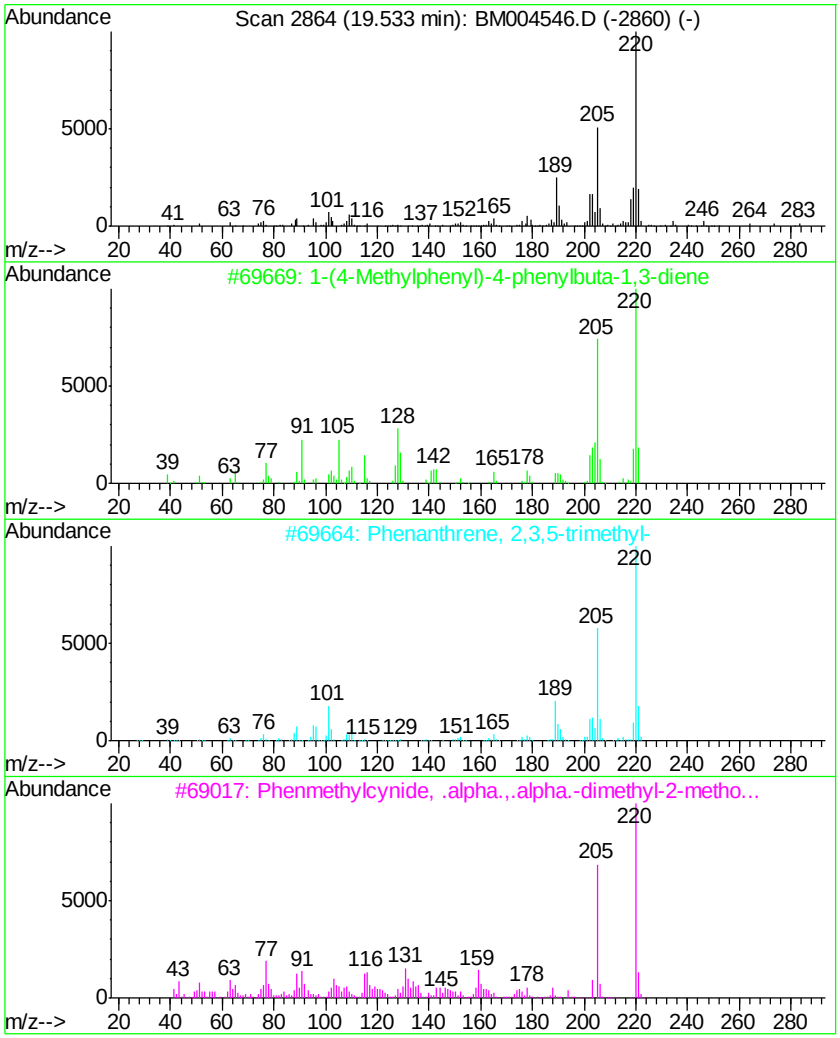
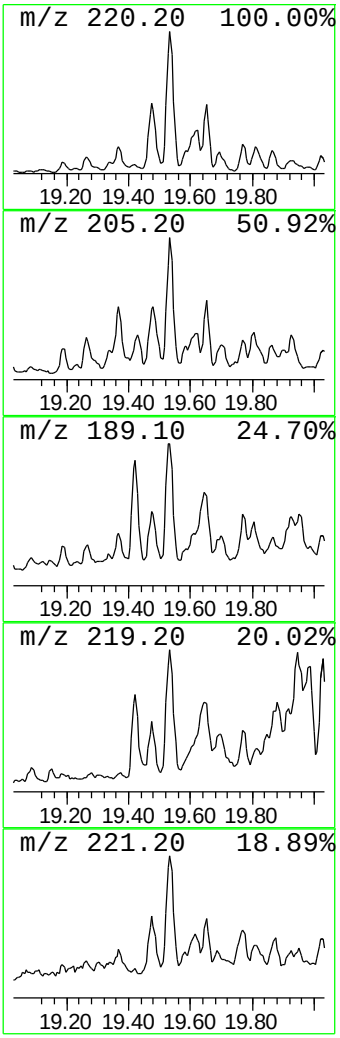
Peak Number 9 1-(4-Methylphenyl)-4-phenyl... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	5.42 ng/ul	172335	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	80
2	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	72
3	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	50
4	1-Penten-3-one, 4-methyl-1-[2,6,...	220	C15H24O	1000132-20-9	47
5	1,4-Dimethoxy-6,7,8,9-tetrahydro...	220	C13H16O3	079381-09-2	47





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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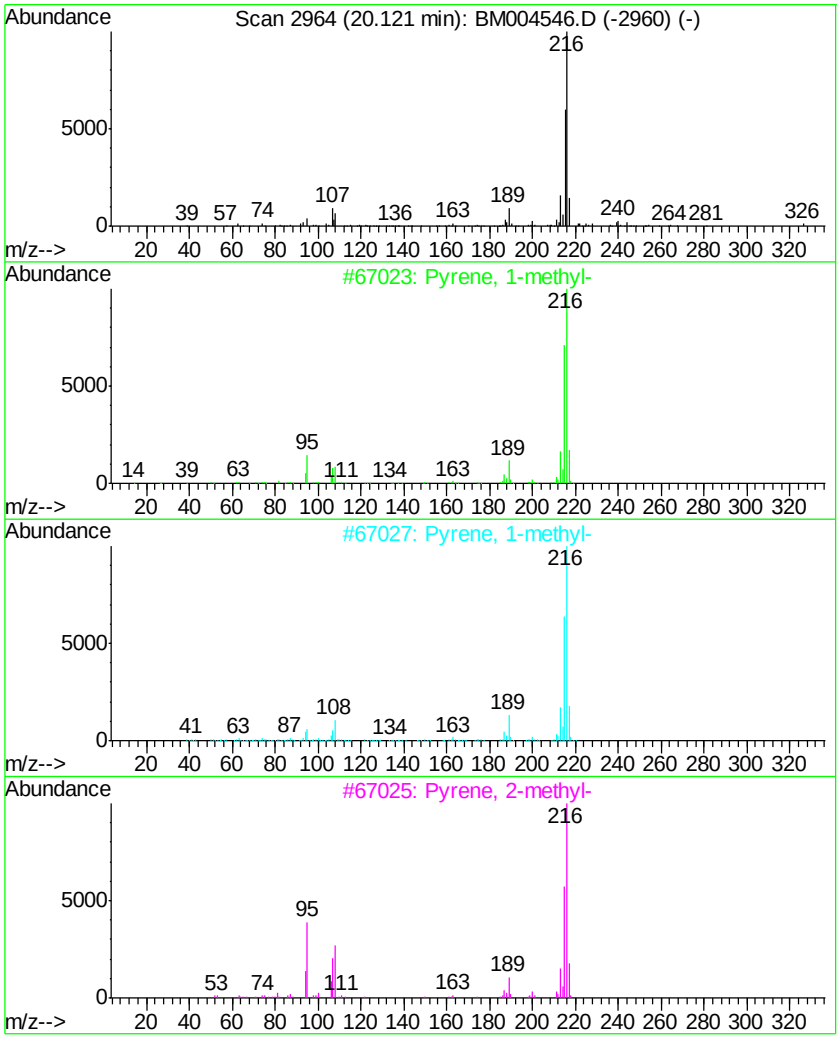
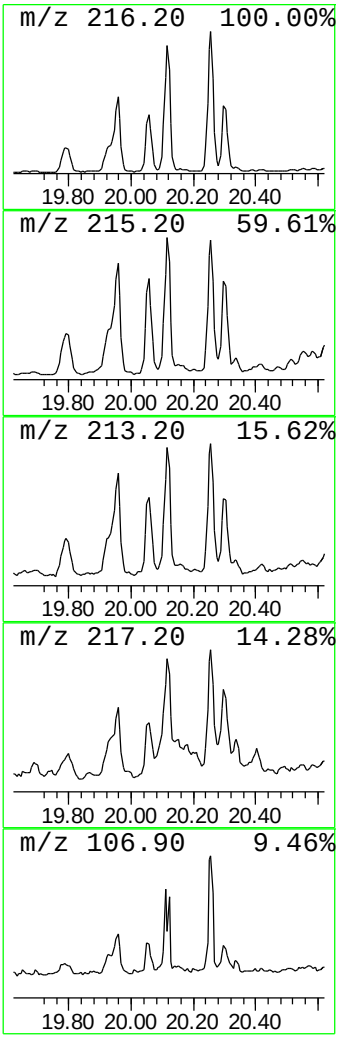
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	4.42 ng/ul	140540	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

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Quant Title : SVOA CALIBRATION

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

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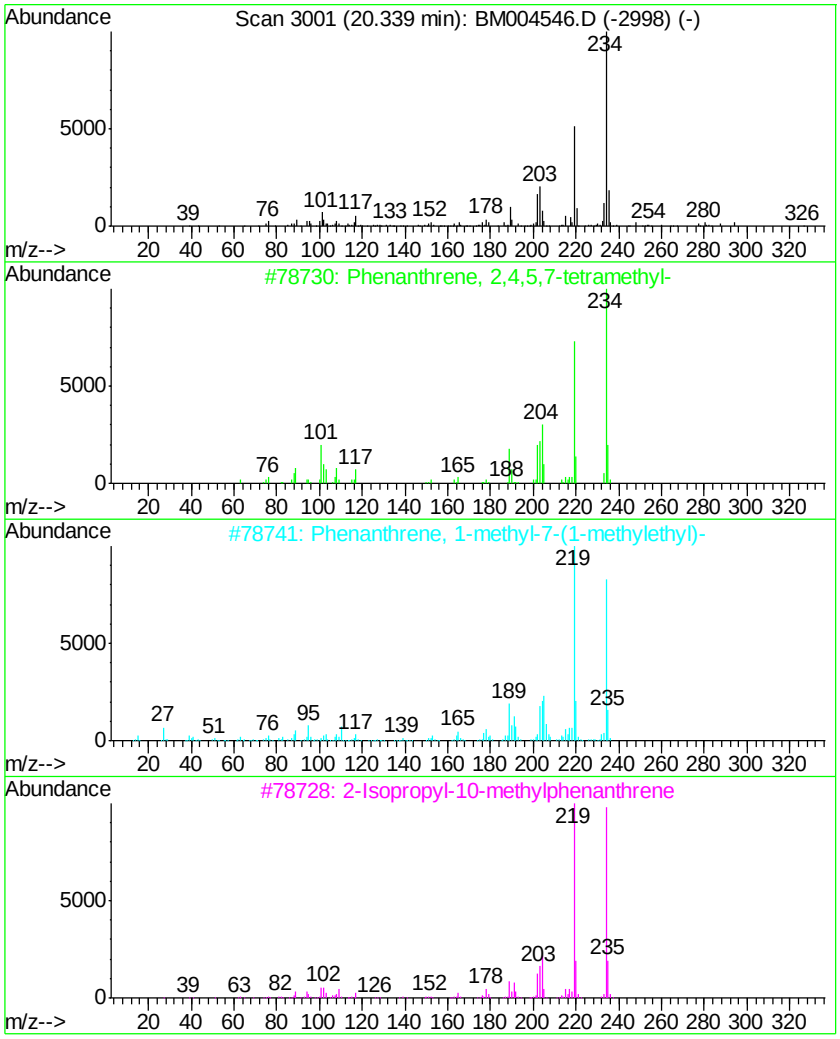
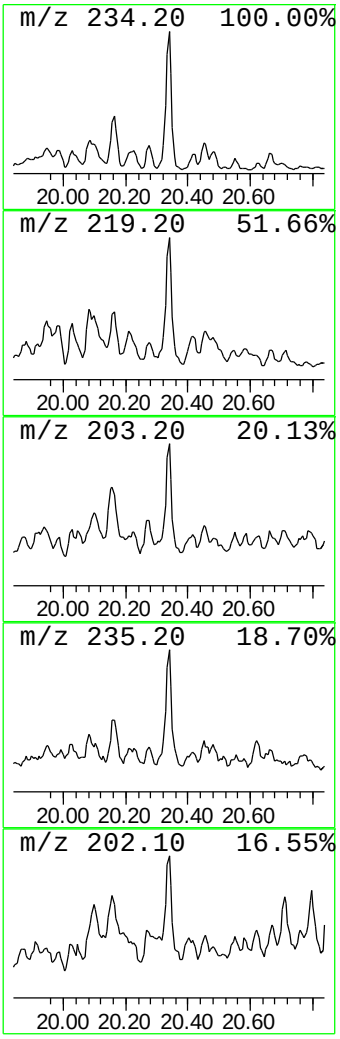
Peak Number 13 Phenanthrene, 2,4,5,7-tetra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	4.02 ng/ul	127750	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	87
2	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	72
3	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	58
4	[1,2]Dithiolo[1,5-b][1,2]oxathio...	234	C12H10OS2	074810-14-3	53
5	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	50





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Quant Title : SVOA CALIBRATION

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

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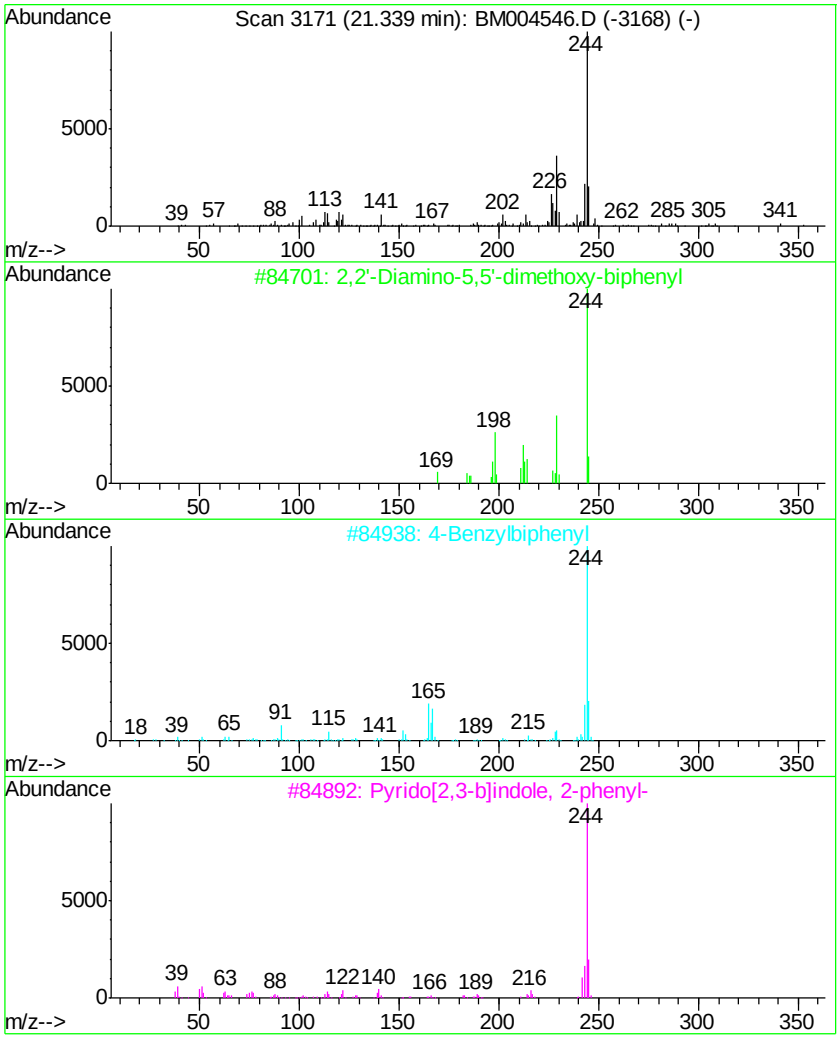
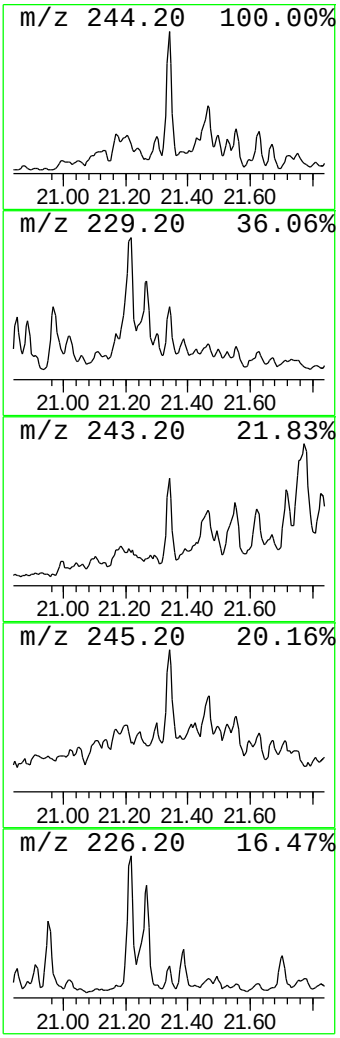
Peak Number 16 2,2'-Diamino-5,5'-dimethoxy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	3.17 ng/ul	100644	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Diamino-5,5'-dimethoxy-biph...	244	C14H16N2O2	074199-63-6	59
2	4-Benzylbiphenyl	244	C19H16	000613-42-3	58
3	Pyrido[2,3-b]indole, 2-phenyl-	244	C17H12N2	064677-58-3	58
4	6,6-Dimethyl-benzo[9,10]-[2,5]-d...	244	C16H20O2	1000065-23-4	55
5	p-Terphenyl-d14	244	C18D14	001718-51-0	53





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Quant Title : SVOA CALIBRATION

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

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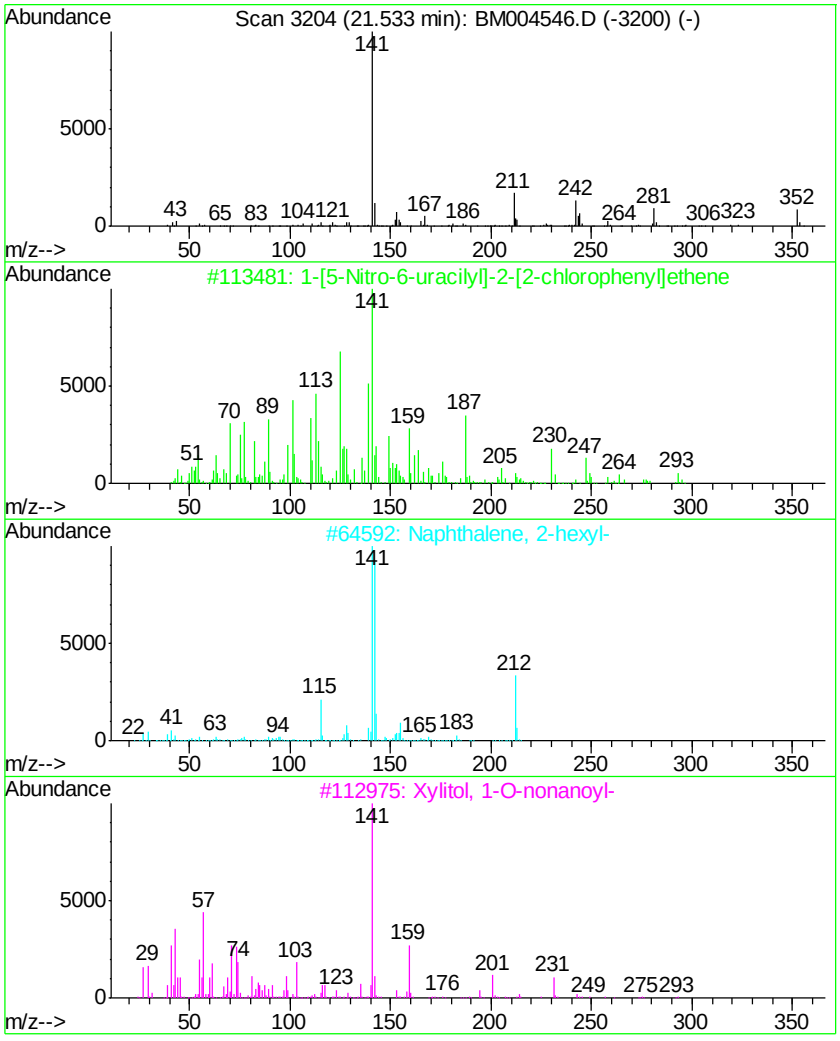
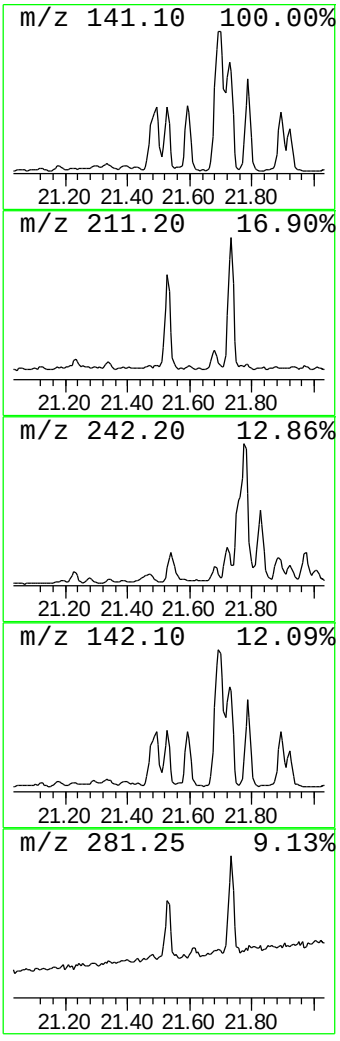
Peak Number 17 unknown-03 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	3.11 ng/ul	98882	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-[5-Nitro-6-uracilyl]-2-[2-chlo...	293	C12H8ClN3O4	296798-53-3	47
2	Naphthalene, 2-hexyl-	212	C16H20	002876-46-2	9
3	Xylitol, 1-O-nonanoyl-	292	C14H28O6	1000155-78-2	9
4	Phenylacetic acid, 2-fluoro-4,5-...	200	C9H9FO4	141523-25-3	9
5	Naphthalene, 1-(2-methylpropyl)-	184	C14H16	016727-91-6	9





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Quant Title : SVOA CALIBRATION

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

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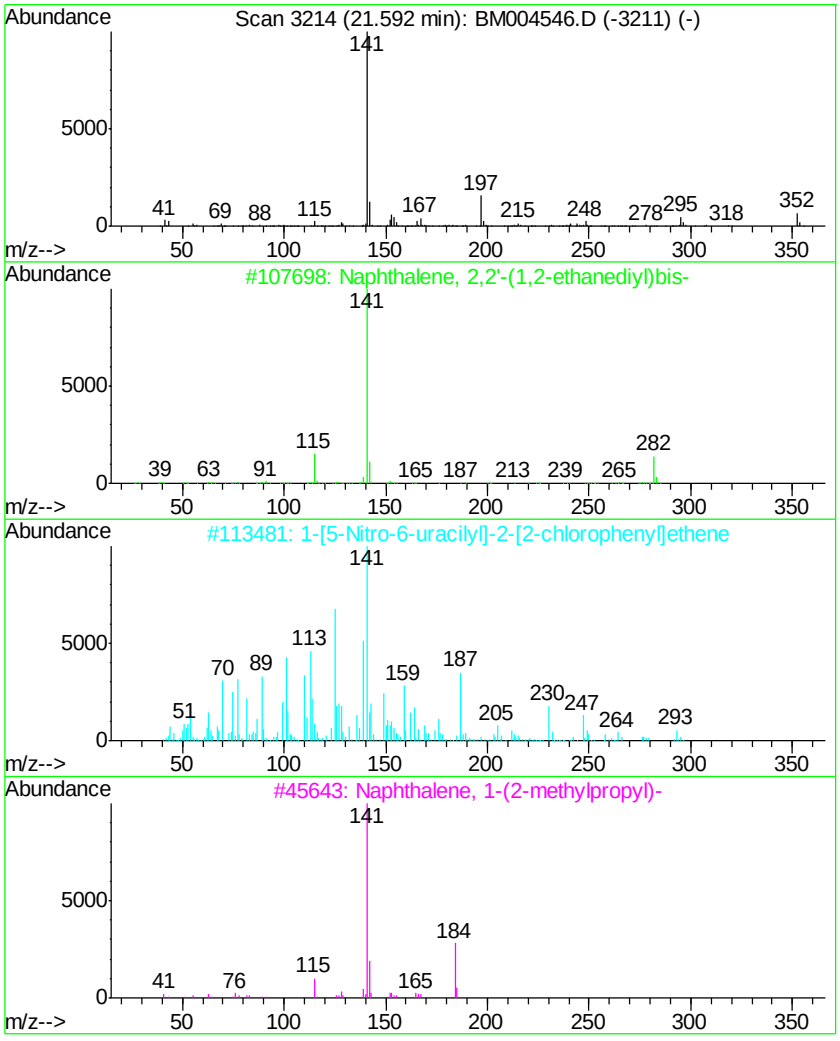
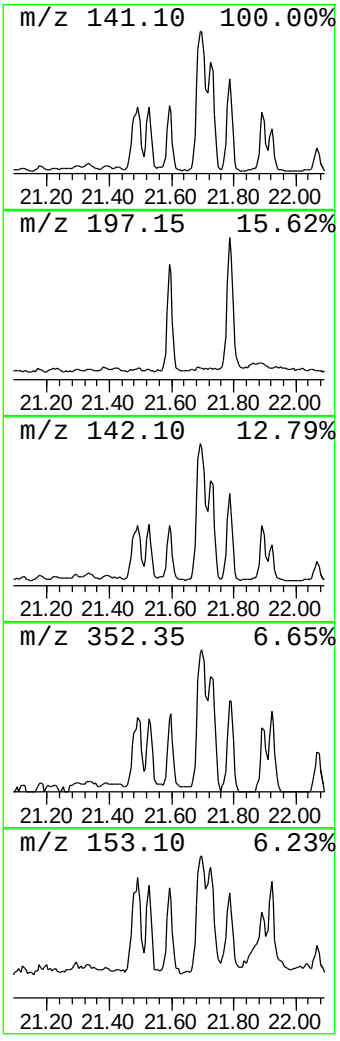
Peak Number 18 Naphthalene, 2,2'-(1,2-etha... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	5.07 ng/ul	161225	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,2'-(1,2-ethanediy...	282	C22H18	021969-45-9	53
2	1-[5-Nitro-6-uracilyl]-2-[2-chlo...	293	C12H8ClN3O4	296798-53-3	50
3	Naphthalene, 1-(2-methylpropyl)-	184	C14H16	016727-91-6	36
4	3-(1-Ethoxy-ethoxy)-4,4,4-triflu...	258	C10H17F3O4	095605-52-0	10
5	4-Fluorobenzoic acid, undecyl ester	294	C18H27FO2	1000282-99-7	9





Library Search Compound Report

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Sample : H1616-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

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Quant Title : SVOA CALIBRATION

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

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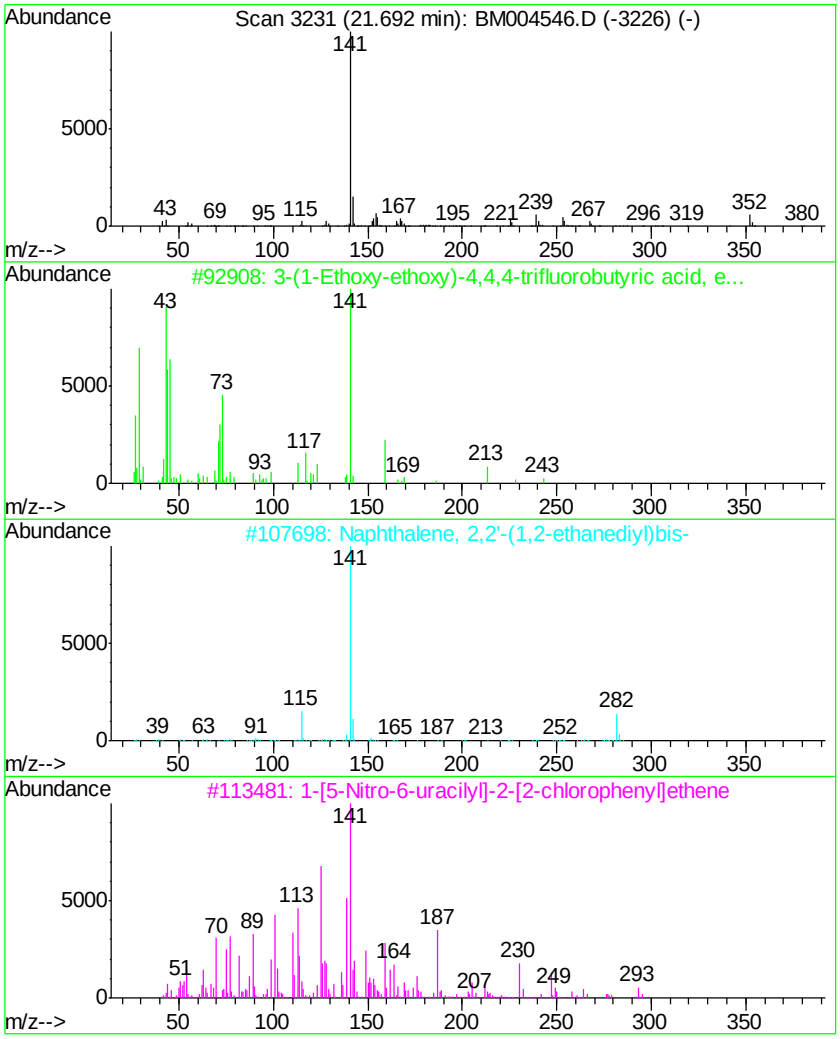
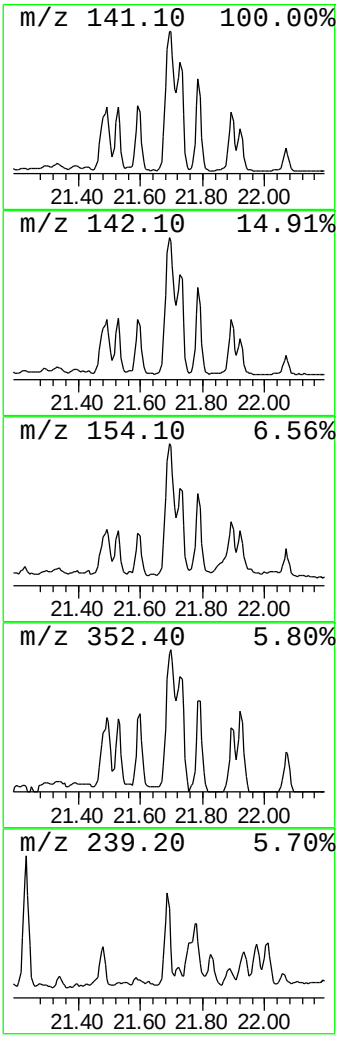
Peak Number 19 unknown-04 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.69	16.22 ng/ul	515720	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(1-Ethoxy-ethoxy)-4,4,4-triflu...	258	C10H17F3O4	095605-52-0	40
2	Naphthalene, 2,2'-(1,2-ethanediy...	282	C22H18	021969-45-9	38
3	1-[5-Nitro-6-uracilyl]-2-[2-chlo...	293	C12H8ClN3O4	296798-53-3	33
4	Cyclohexanone, O-(1-naphthalenyl...	253	C17H19NO	055045-02-8	9
5	2-Naphthaleneethanol	172	C12H12O	001485-07-0	9





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ClientSampleId : BLDG06-P004-SS001-01

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Quant Title : SVOA CALIBRATION

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

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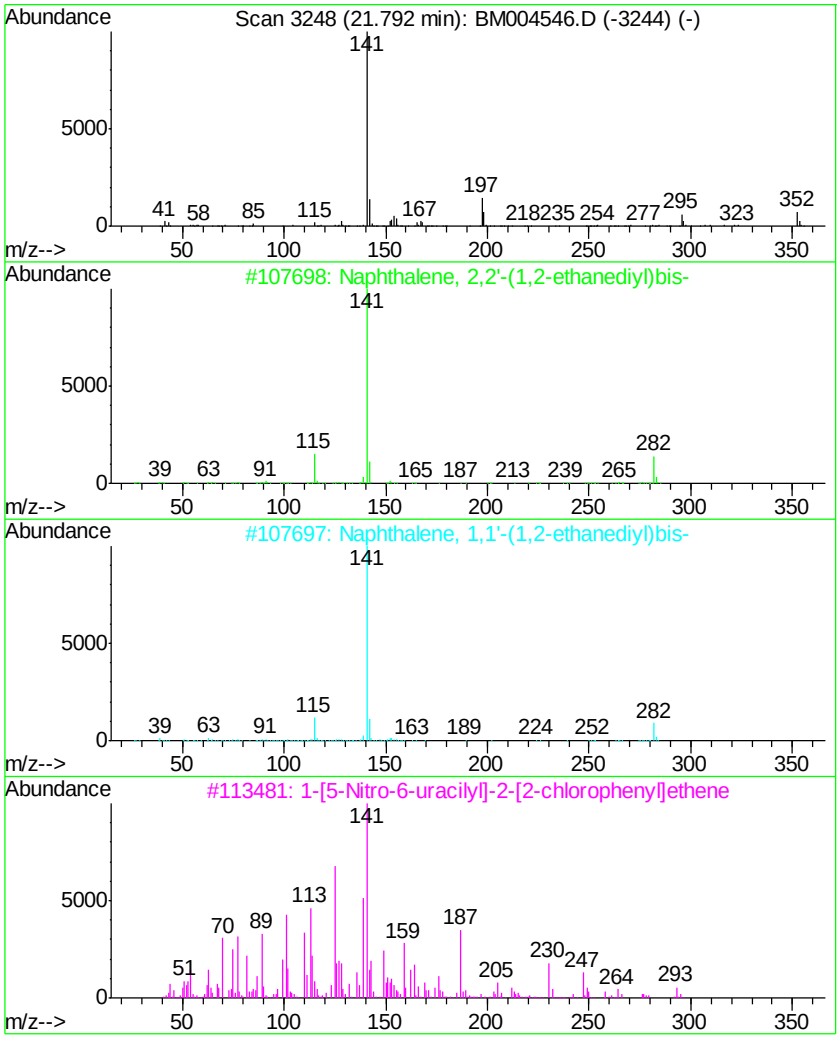
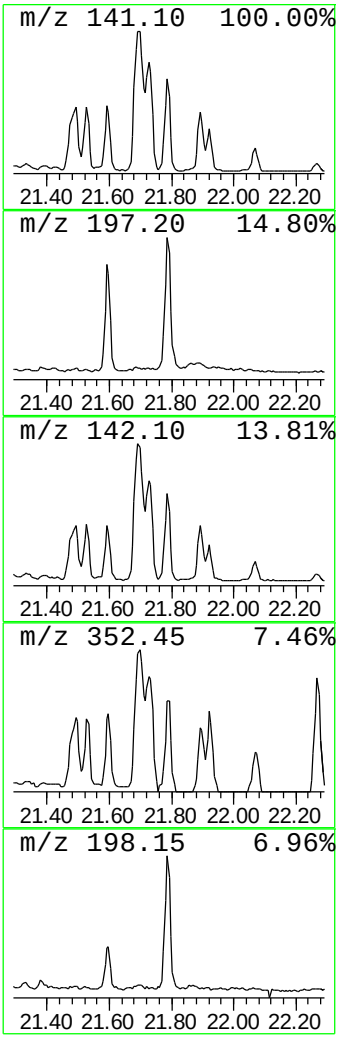
Peak Number 20 unknown-05 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.79	8.86 ng/ul	281746	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,2'-(1,2-ethanediy...	282	C22H18	021969-45-9	36
2	Naphthalene, 1,1'-(1,2-ethanediy...	282	C22H18	015374-45-5	36
3	1-[5-Nitro-6-uracilyl]-2-[2-chlo...	293	C12H8ClN3O4	296798-53-3	28
4	Naphthalene, 1-(2-methylpropyl)-	184	C14H16	016727-91-6	12
5	2-Naphthaleneethanol	172	C12H12O	001485-07-0	9





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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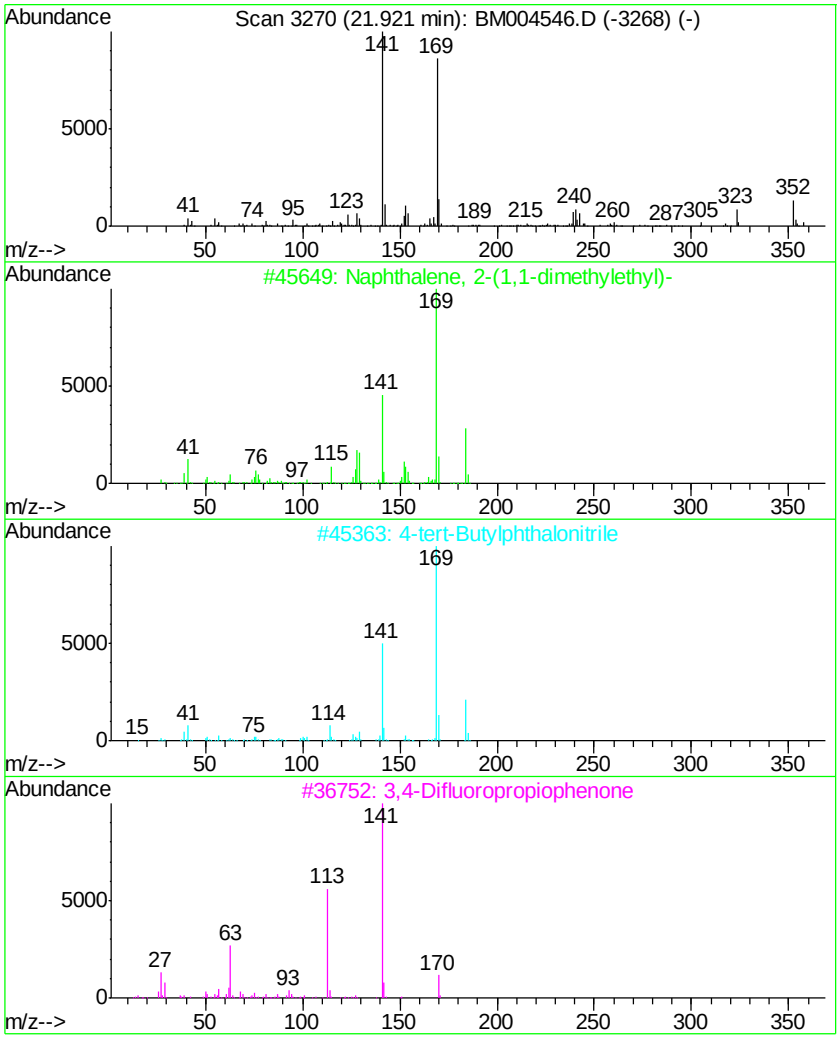
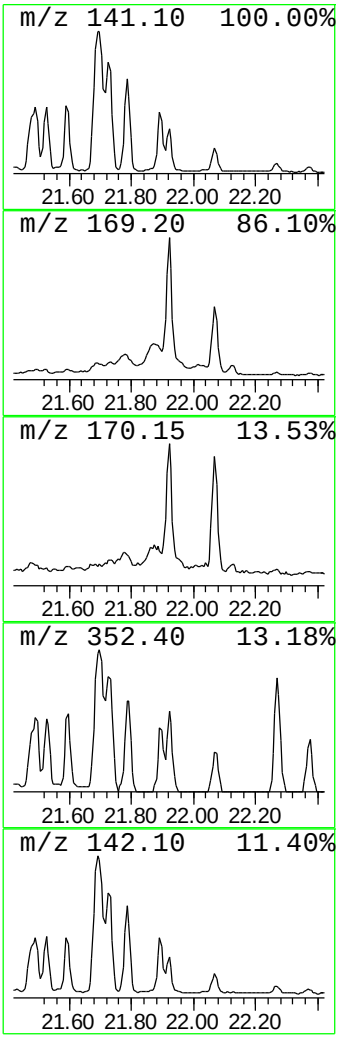
Peak Number 21 Naphthalene, 2-(1,1-dimethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.92	7.56 ng/ul	240261	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1,1-dimethylethyl)-	184	C14H16	002876-35-9	50
2	4-tert-Butylphthalonitrile	184	C12H12N2	032703-80-3	40
3	3,4-Difluoropropiophenone	170	C9H8F2O	023384-72-7	35
4	1-Propanone, 1-(2,6-difluorophen...	170	C9H8F2O	085068-31-1	35
5	4-(4-Methylphenyl)pyridine	169	C12H11N	004423-10-3	35





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Quant Title : SVOA CALIBRATION

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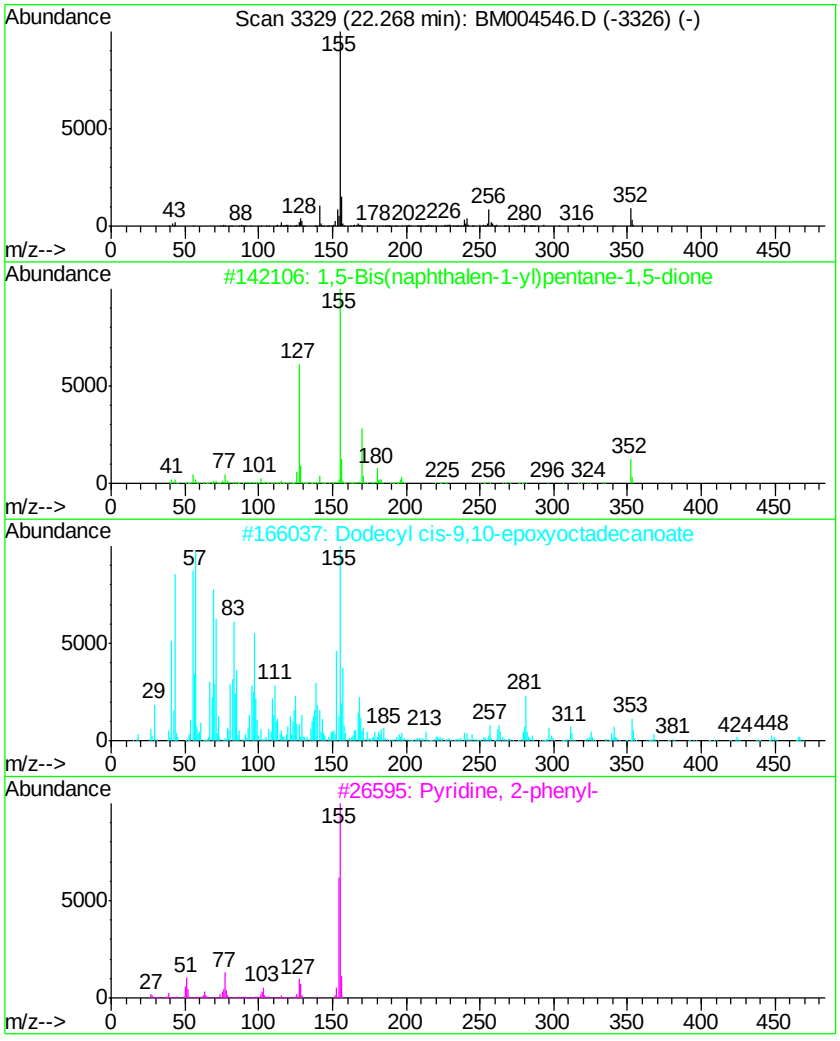
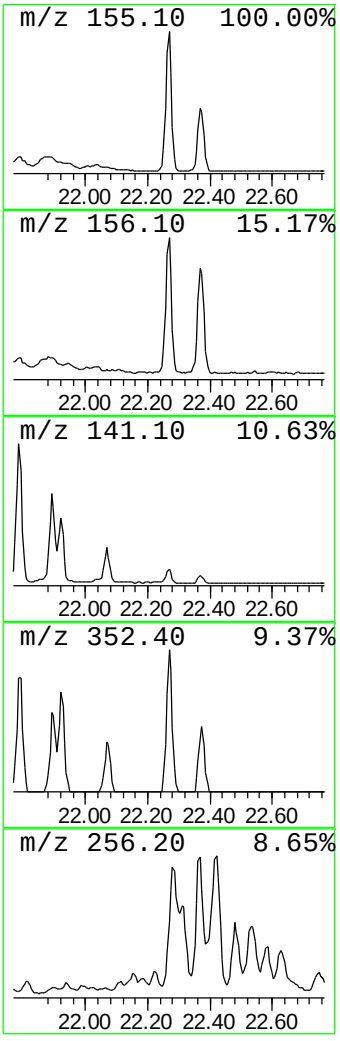
Peak Number 22 1,5-Bis(naphthalen-1-yl)pen... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.27	5.31 ng/ul	168712	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Bis(naphthalen-1-yl)pentane-...	352	C25H20O2	1000210-52-9	64
2	Dodecyl cis-9,10-epoxyoctadecanoate	466	C30H58O3	092332-53-1	50
3	Pyridine, 2-phenyl-	155	C11H9N	001008-89-5	50
4	2-Naphthylpropionic acid	200	C13H12O2	1000129-24-1	36
5	Uracil, 1-methyl-5-.beta.-D-ribo...	258	C10H14N2O6	013860-38-3	36





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
Data File : BM004546.D
Acq On : 03 Mar 2016 23:49
Operator : SJ/UM
Sample : H1616-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION

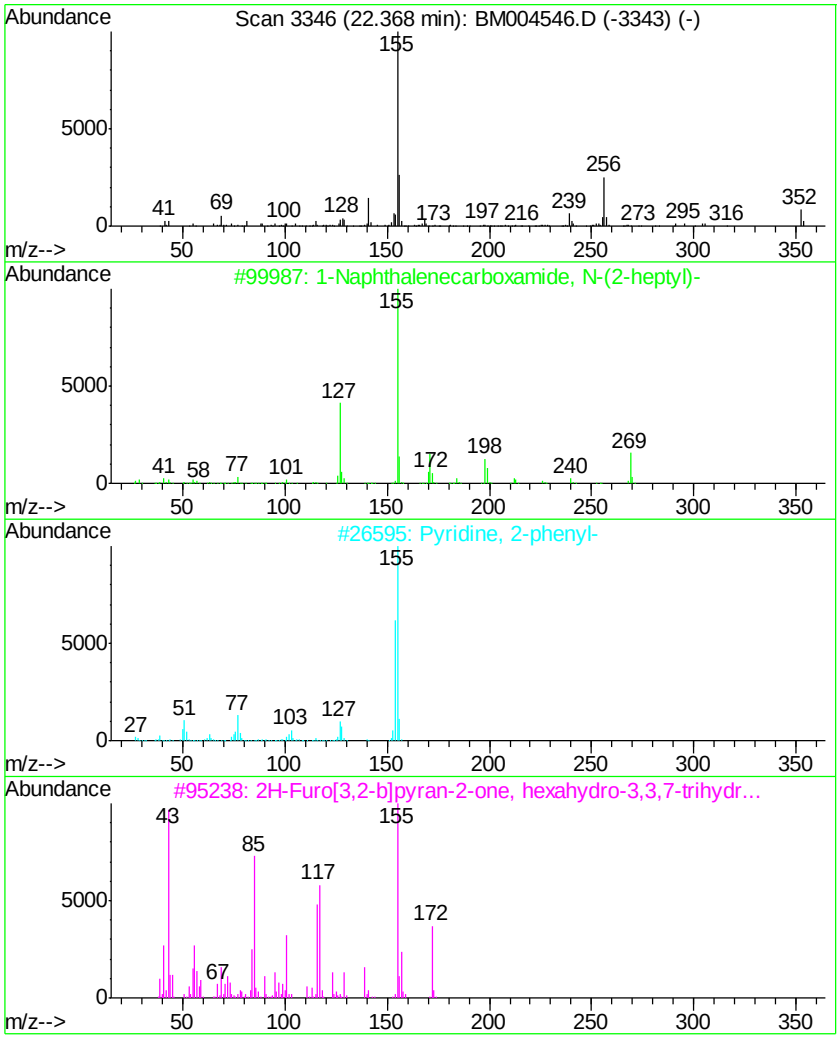
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

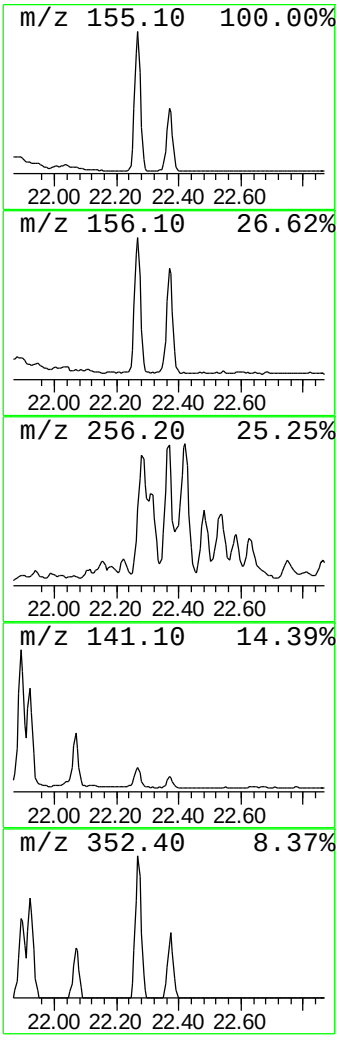
****

Peak Number 23 unknown-06 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.37	8.56 ng/ul	128993	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarboxamide, N-(2-h...	269	C18H23NO	1000157-09-3	28
2	Pyridine, 2-phenyl-	155	C11H9N	001008-89-5	9
3	2H-Furo[3,2-b]pyran-2-one, hexah...	262	C11H18O7	050392-34-2	9
4	5-Oxazolidinone, 2-(1,1-dimethyl...	297	C18H19NO3	119215-55-3	9
5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	9





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
Data File : BM004546.D
Acq On : 03 Mar 2016 23:49
Operator : SJ/UM
Sample : H1616-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BLDG06-P004-SS001-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.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
Butane, 2-methoxy...	2.79	2.1	ng/ul	17495	1	7.59	167509	20.0
unknown-01	13.60	19.1	ng/ul	418993	3	14.26	437565	20.0
9H-Fluorene, 2-me...	16.32	2.7	ng/ul	69414	4	17.02	520168	20.0
Dibenzothiophene	16.83	2.5	ng/ul	64154	4	17.02	520168	20.0
Phenanthrene, 1-m...	17.89	3.2	ng/ul	84102	4	17.02	520168	20.0
Anthracene, 1-met...	17.94	4.3	ng/ul	110447	4	17.02	520168	20.0
4H-Cyclopenta[def...	18.09	4.2	ng/ul	108185	4	17.02	520168	20.0
unknown-02	18.60	2.6	ng/ul	67963	4	17.02	520168	20.0
1-(4-Methylphenyl...	19.53	5.4	ng/ul	172335	5	21.23	635825	20.0
Pyrene, 1-methyl-	20.12	4.4	ng/ul	140540	5	21.23	635825	20.0
Phenanthrene, 2,4...	20.34	4.0	ng/ul	127750	5	21.23	635825	20.0
2,2'-Diamino-5,5'...	21.34	3.2	ng/ul	100644	5	21.23	635825	20.0
unknown-03	21.53	3.1	ng/ul	98882	5	21.23	635825	20.0
Naphthalene, 2,2'...	21.59	5.1	ng/ul	161225	5	21.23	635825	20.0
unknown-04	21.69	16.2	ng/ul	515720	5	21.23	635825	20.0
unknown-05	21.79	8.9	ng/ul	281746	5	21.23	635825	20.0
Naphthalene, 2-(1...	21.92	7.6	ng/ul	240261	5	21.23	635825	20.0
1,5-Bis(naphthale...	22.27	5.3	ng/ul	168712	5	21.23	635825	20.0
unknown-06	22.37	8.6	ng/ul	128993	6	23.44	301291	20.0