LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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	4.034	224	229	247	rVB	640356	923189	1.69%	0.262%
2	5.334	444	450	459	rBV	991402	1572622	2.88%	0.445%
3	5.469	466	473	487	rBV	2215479	4943331	9.05%	1.400%
4	5.834	525	535	554	rVB	1512166	2576024	4.71%	0.730%
5	6.898	702	716	721	rVV	963490	1885241	3.45%	0.534%
6	6.957	721	726	733	rVV3	559700	1164196	2.13%	0.330%
7	7.034	733	739	749	rVB	1042907	1687875	3.09%	0.478%
8	7.463	799	812	818	rVV	1859681	3625473	6.63%	1.027%
9	7.545	818	826	839	rVB	2729554	5224680	9.56%	1.480%
10	7.922	884	890	898	rVV	745202	1334034	2.44%	0.378%
11	8.204	926	938	944	rBV	4612577	11430110	20.92%	3.238%
12	8.387	953	969	974	rBV	5319333	15833437	28.97%	4.485%
13	8.663	1008	1016	1026	rVB	365045	815806	1.49%	0.231%
14	8.910	1048	1058	1063	rBV	378506	647620	1.19%	0.183%
15	8.986	1063	1071	1082	rVB3	666338	1379187	2.52%	0.391%
16	9.163	1091	1101	1109	rVB	1023263	1929084	3.53%	0.546%
17	9.292	1109	1123	1128	rBV	1946359	4714001	8.63%	1.335%
18	9.345	1128	1132	1141	rVV	798292	1371718	2.51%	0.389%
19	9.851	1212	1218	1226	rVV	710859	1346019	2.46%	0.381%
20	10.004	1236	1244	1256	rVV3	1045414	3396372	6.22%	0.962%
21	10.110	1256	1262	1276	rVV	324958	1138930	2.08%	0.323%
22	10.239	1276	1284	1304	rVB2	761156	1885651	3.45%	0.534%
23	10.798	1341	1379	1382	rVV	6542600	54647430	100.00%	15.481%
24	10.857	1382	1389	1394	rVV	3972772	7482748	13.69%	2.120%
25	12.010	1577	1585	1593	rVB2	425819	903218	1.65%	0.256%
26	12.163	1593	1611	1622	rBV	483270	1126406	2.06%	0.319%
27	12.316	1622	1637	1642	rVV	5650183	18911420	34.61%	5.357%
28	12.398	1645	1651	1657	rVV	609438	1146498	2.10%	0.325%
29	12.522	1657	1672	1677	rVV	4547046	11223292	20.54%	3.179%
30	13.286	1792	1802	1809	rBV	2716507	4948633	9.06%	1.402%
31	13.480	1828	1835	1846	rVB	1071955	2196126	4.02%	0.622%
32	13.627	1846	1860	1867	rBV2	1383313	4017514	7.35%	1.138%
33	13.774	1877	1885	1890	rBV	1632178	3344595	6.12%	0.947%
34	13.827	1890	1894	1897	rVV	1312335	1988992	3.64%	0.563%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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	13.863	1897	1900	1904	rVV	530041	762117	1.39%	0.216%
36	14.004	1915	1924	1928	rBV	776981	1314246	2.40%	0.372%
37	14.145	1943	1948	1949	rVV	662738	951703	1.74%	0.270%
38	14.169	1949	1952	1958	rVB	897169	1393750	2.55%	0.395%
39	14.439	1986	1998	2005	rBV2	958588	1945311	3.56%	0.551%
40	14.545	2005	2016	2020	rVV	4897190	11663442	21.34%	3.304%
41	14.592	2020	2024	2029	rVV	989023	1567279	2.87%	0.444%
42	14.657	2029	2035	2044	rVB2	281618	686251	1.26%	0.194%
43	14.763	2044	2053	2058	rBV3	430756	862668	1.58%	0.244%
44	14.874	2062	2072	2078	rVV	4121067	9381299	17.17%	2.658%
45	15.063	2096	2104	2109	rBV2	314041	664283	1.22%	0.188%
46	15.445	2162	2169	2174	rVV2	699391	1481135	2.71%	0.420%
47	15.521	2174	2182	2187	rVV	4230844	8860519	16.21%	2.510%
48	15.592	2189	2194	2197	rBV	484499	788042	1.44%	0.223%
49	15.627	2197	2200	2202	rVV	544212	727350	1.33%	0.206%
50	15.663	2202	2206	2210	rVV2	945413	1445765	2.65%	0.410%
51	15.751	2217	2221	2224	rVV	475978	699810	1.28%	0.198%
52	15.792	2224	2228	2234	rVB	1176936	1691709	3.10%	0.479%
53	15.939	2248	2253	2261	rVV	1242500	2679462	4.90%	0.759%
54	16.174	2283	2293	2304	rBV5	543816	1865591	3.41%	0.528%
55	16.292	2304	2313	2321	rVV4	310014	840185	1.54%	0.238%
56	16.392	2322	2330	2336	rVV3	268208	710718	1.30%	0.201%
57	16.498	2336	2348	2353	rVV3	814971	2200148	4.03%	0.623%
58	16.768	2390	2394	2398	rVV3	509852	888115	1.63%	0.252%
59	16.862	2401	2410	2414	rVV2	400058	961439	1.76%	0.272%
60	16.927	2414	2421	2428	rVV3	353492	1085706	1.99%	0.308%
61	17.015	2428	2436	2447	rVV	1545267	2784446	5.10%	0.789%
62	17.286	2462	2482	2485	rBV	5751748	19409898	35.52%	5.498%
63	17.315	2485	2487	2489	rVV2	1239063	1435486	2.63%	0.407%
64	17.351	2489	2493	2497	rVB	2022079	2890012	5.29%	0.819%
65	17.609	2528	2537	2544	rBV	2365855	4498812	8.23%	1.274%
66	18.074	2605	2616	2619	rBV	1388853	2607735	4.77%	0.739%
67	18.121	2619	2624	2630	rVB2	1890094	3668417	6.71%	1.039%
68	18.204	2630	2638	2643	rVB	666543	1100551	2.01%	0.312%
69	18.274	2643	2650	2654	rBV2	2224103	4390582	8.03%	1.244%
70	18.568	2695	2700	2705	rVV	1116822	1668862	3.05%	0.473%
71	18.986	2765	2771	2779	rBV2	424848	1160705	2.12%	0.329%

LSC Area Percent Report

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Data File : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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

72	19.286	2810	2822	2826	rBV	5149231	13267637	24.28%	3.758%
73	19.368	2831	2836	2840	rVV2	436734	900968	1.65%	0.255%
74	19.503	2854	2859	2869	rVB2	711513	1174189	2.15%	0.333%
75	19.645	2869	2883	2888	rBV4	4552391	13240169	24.23%	3.751%
76	19.692	2888	2891	2898	rVB3	510717	720120	1.32%	0.204%
77	19.798	2904	2909	2915	rVB	653013	968324	1.77%	0.274%
78	19.939	2927	2933	2940	rBV3	592503	1506392	2.76%	0.427%
79	20.092	2951	2959	2960	rVV2	837964	1537349	2.81%	0.436%
80	20.121	2960	2964	2968	rVB	1563933	2266929	4.15%	0.642%
81	20.221	2975	2981	2984	rVV	1728690	2520612	4.61%	0.714%
82	20.274	2984	2990	2994	rVV3	683216	1488024	2.72%	0.422%
83	20.462	3017	3022	3031	rVB2	394951	741785	1.36%	0.210%
84	21.027	3114	3118	3121	rBV	542572	729057	1.33%	0.207%
85	21.068	3121	3125	3128	rVV	621222	829549	1.52%	0.235%
86	21.109	3128	3132	3136	rVB2	488408	703061	1.29%	0.199%
87	21.374	3169	3177	3182	rBV3	2917400	5634904	10.31%	1.596%
88	21.427	3182	3186	3195	rVB	2132151	3225318	5.90%	0.914%
89	21.539	3201	3205	3211	rBV	774171	1074934	1.97%	0.305%
90	21.697	3227	3232	3238	rBV2	439246	758317	1.39%	0.215%
91	21.939	3267	3273	3279	rVV2	473359	1162090	2.13%	0.329%
92	22.991	3443	3452	3456	rBV	1243779	3100407	5.67%	0.878%
93	23.474	3527	3534	3539	rVV	640296	1429440	2.62%	0.405%
94	23.527	3539	3543	3547	rVV2	594826	1186444	2.17%	0.336%
95	23.580	3547	3552	3558	rVV	1103535	2112497	3.87%	0.598%
96	23.674	3562	3568	3572	rVV	344089	743801	1.36%	0.211%
97	23.721	3572	3576	3583	rVB	340322	664766	1.22%	0.188%
98	25.980	3950	3960	3972	rVB	334128	1014581	1.86%	0.287%
99	26.209	3990	3999	4013	rBV2	332200	1102408	2.02%	0.312%
100	26.691	4070	4081	4092	rBV	211024	706955	1.29%	0.200%

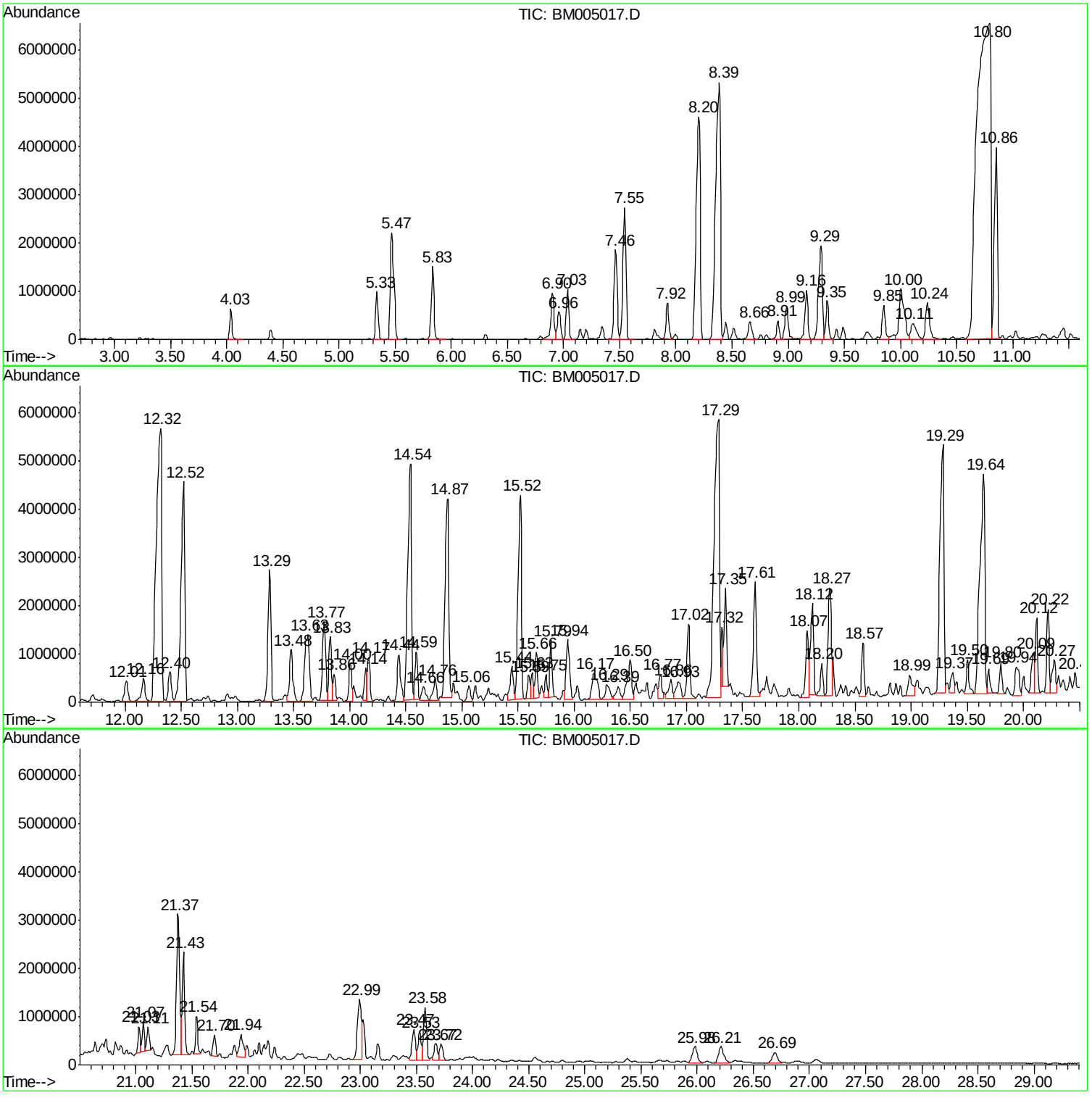
Sum of corrected areas: 353006048

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC7M3

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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

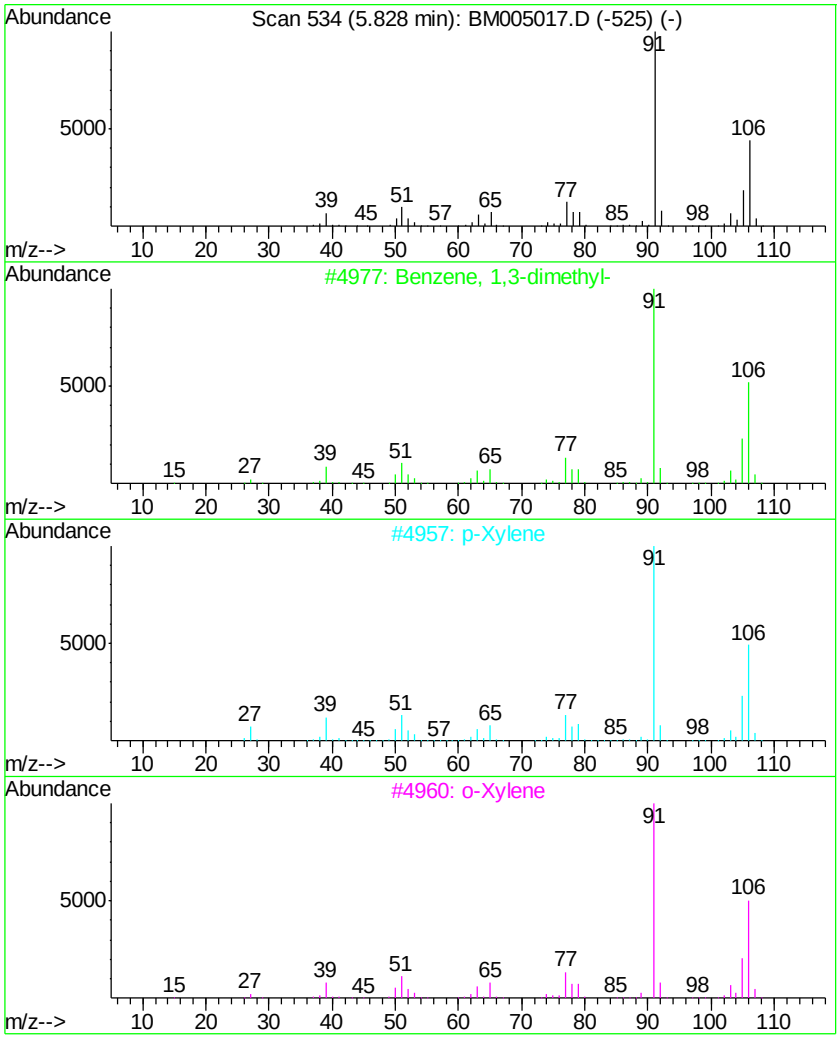
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

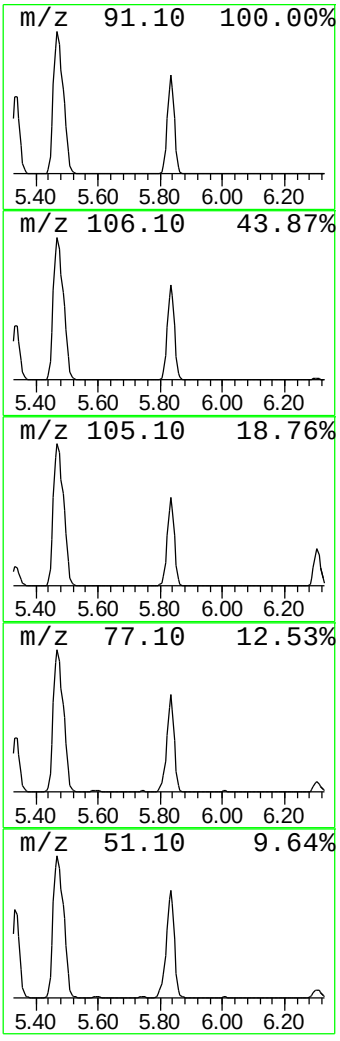
****

Peak Number 4 Benzene, 1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.83	38.62 ng/ul	2576020	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	p-Xylene	106	C8H10	000106-42-3	97
3	o-Xylene	106	C8H10	000095-47-6	97
4	p-Xylene	106	C8H10	000106-42-3	95
5	p-Xylene	106	C8H10	000106-42-3	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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

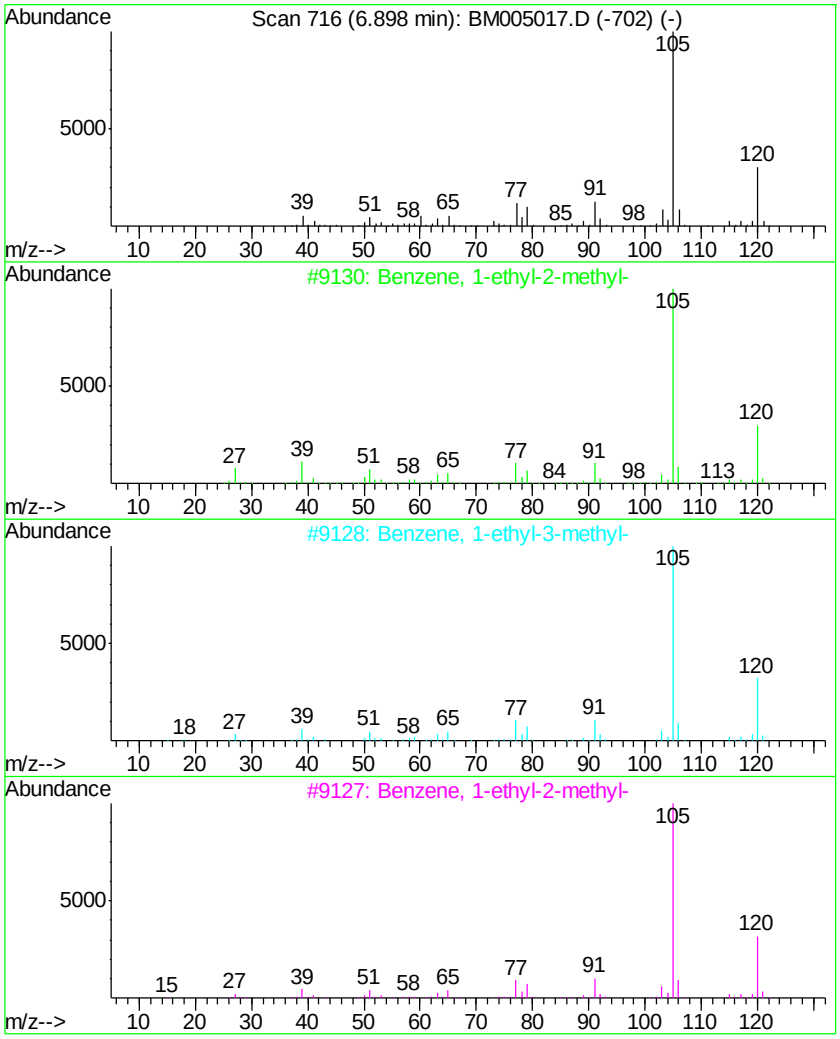
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

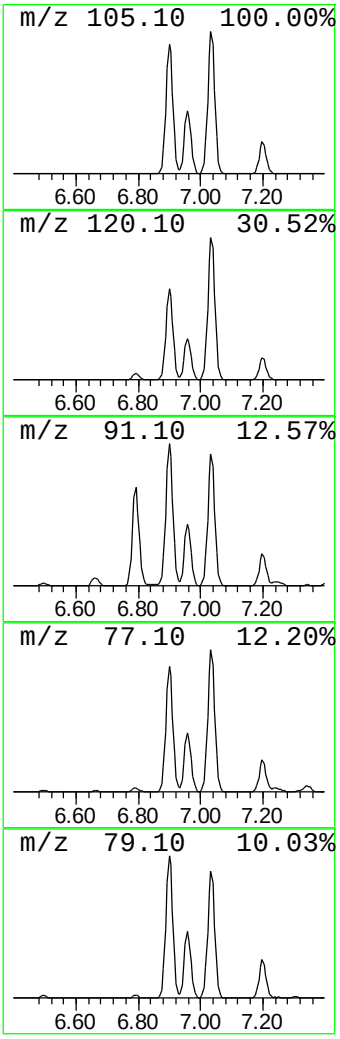
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	28.26 ng/ul	1885240	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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

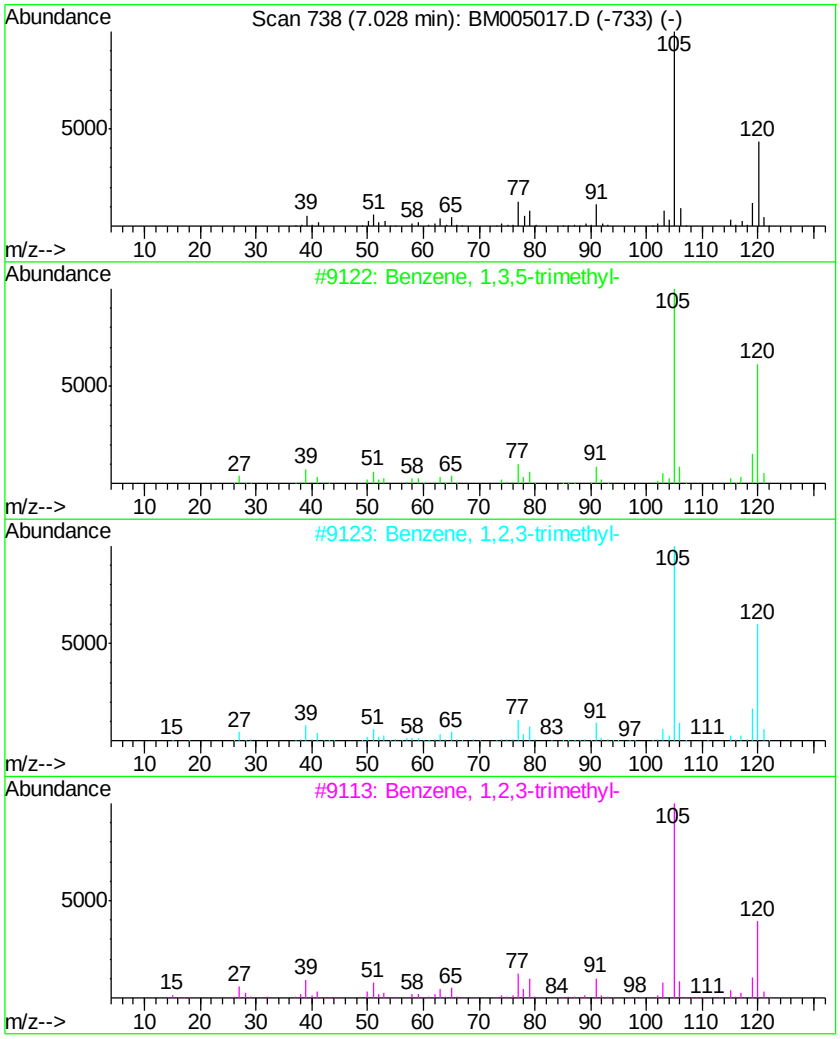
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

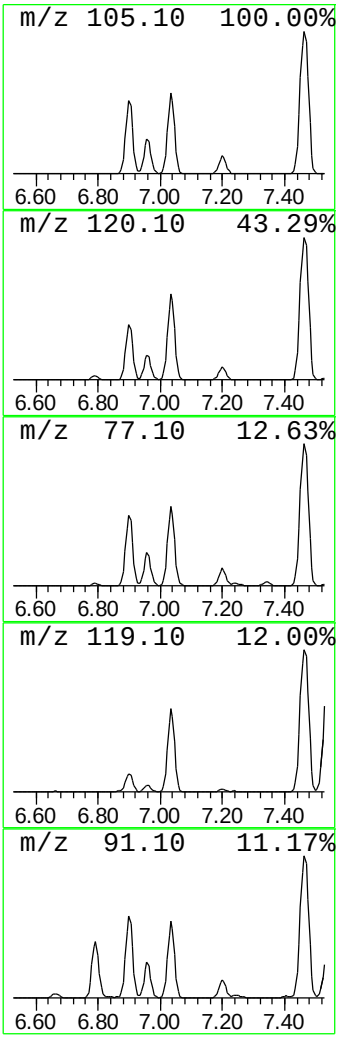
****

Peak Number 6 Benzene, 1,3,5-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	25.30 ng/ul	1687880	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, 1,3,5-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 : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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

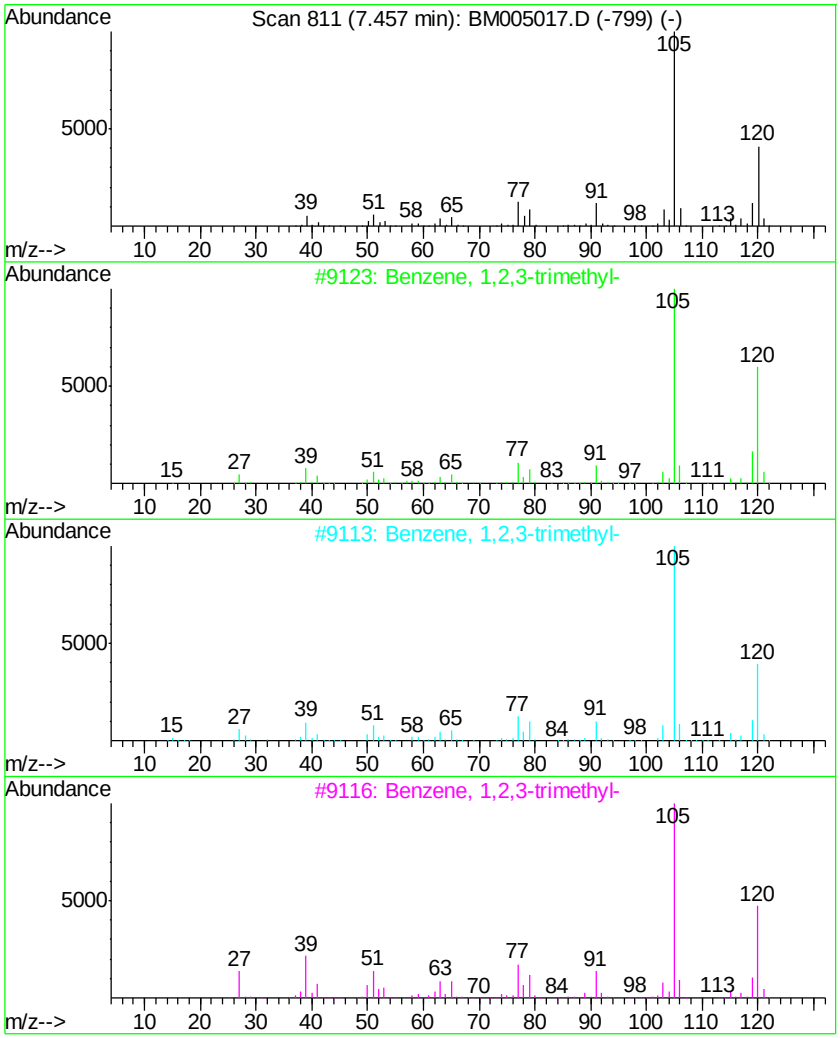
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

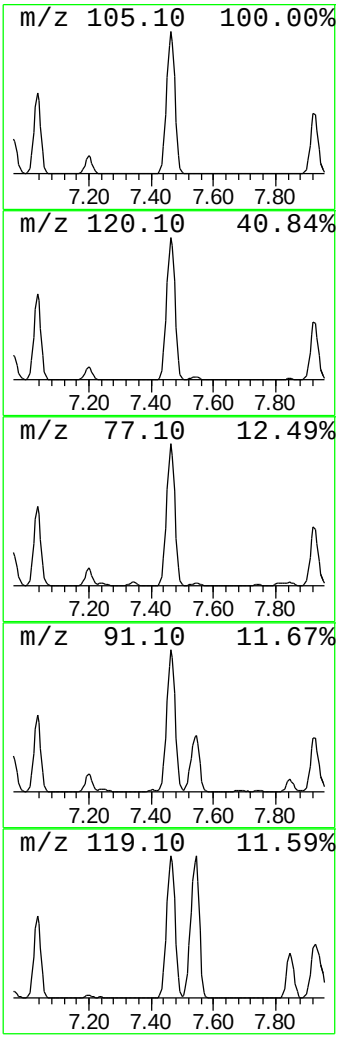
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	54.35 ng/ul	3625470	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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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

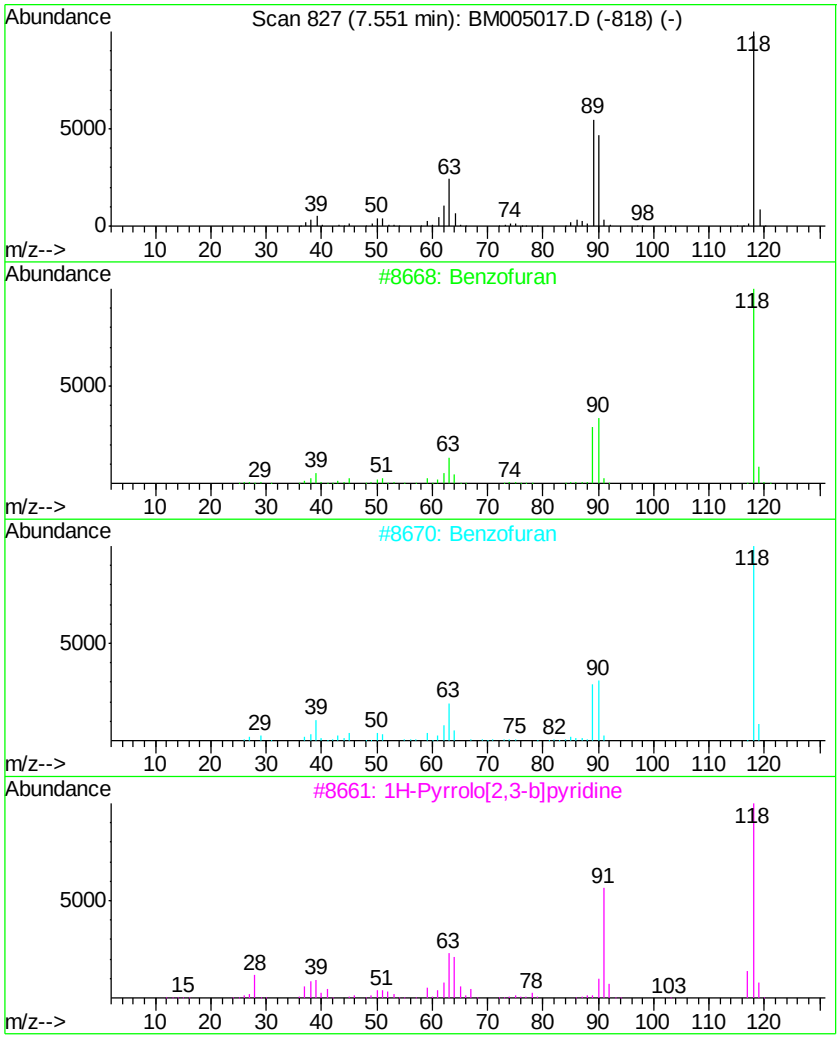
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

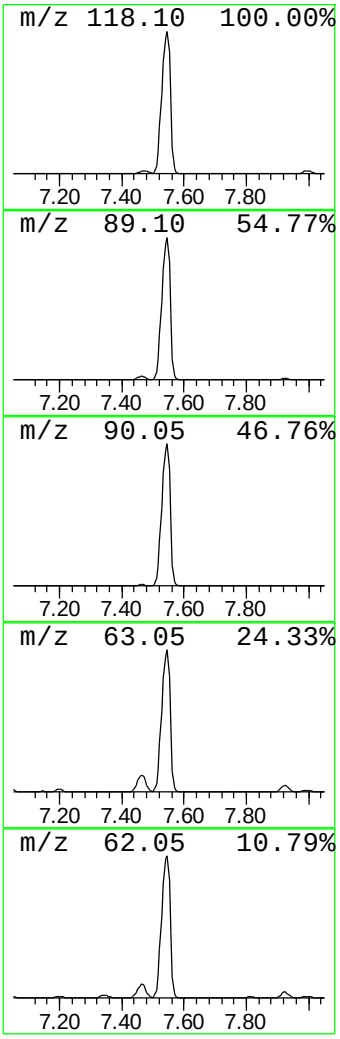
****

Peak Number 8 Benzofuran Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	78.33 ng/ul	5224680	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	1H-Pyrrolo[2,3-b]pyridine	118	C7H6N2	000271-63-6	40
4	3-Pyridineacetonitrile	118	C7H6N2	006443-85-2	40
5	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	40





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Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
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Instrument : BNA_M
ClientSampleId : BC7M3

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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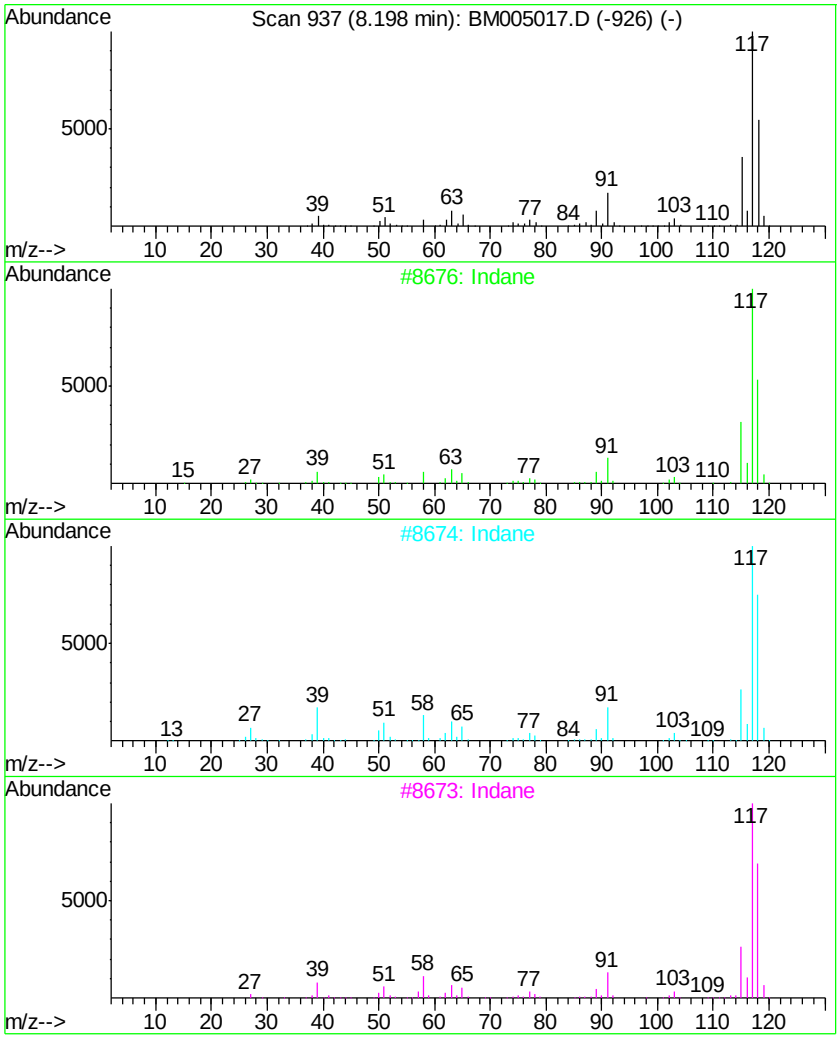
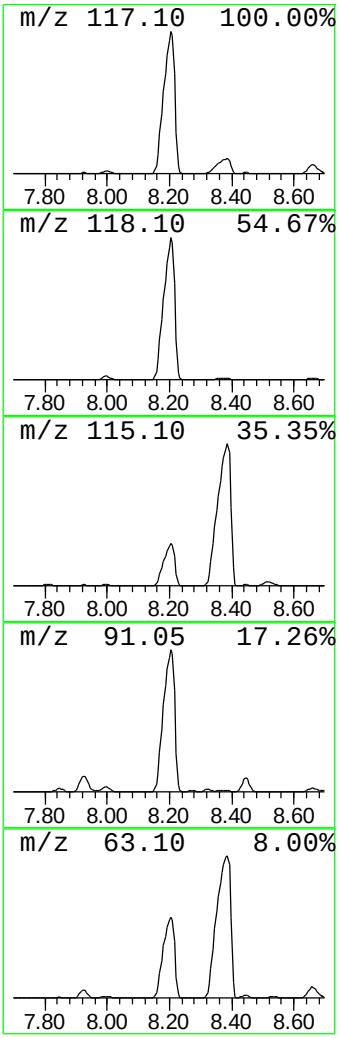
Peak Number 10 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	171.36 ng/ul	11430100	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	Indane	118	C9H10	000496-11-7	87
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64





Library Search Compound Report

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Sample : H2567-05
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Instrument : BNA_M
ClientSampleId : BC7M3

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Quant Title : SVOA CALIBRATION

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

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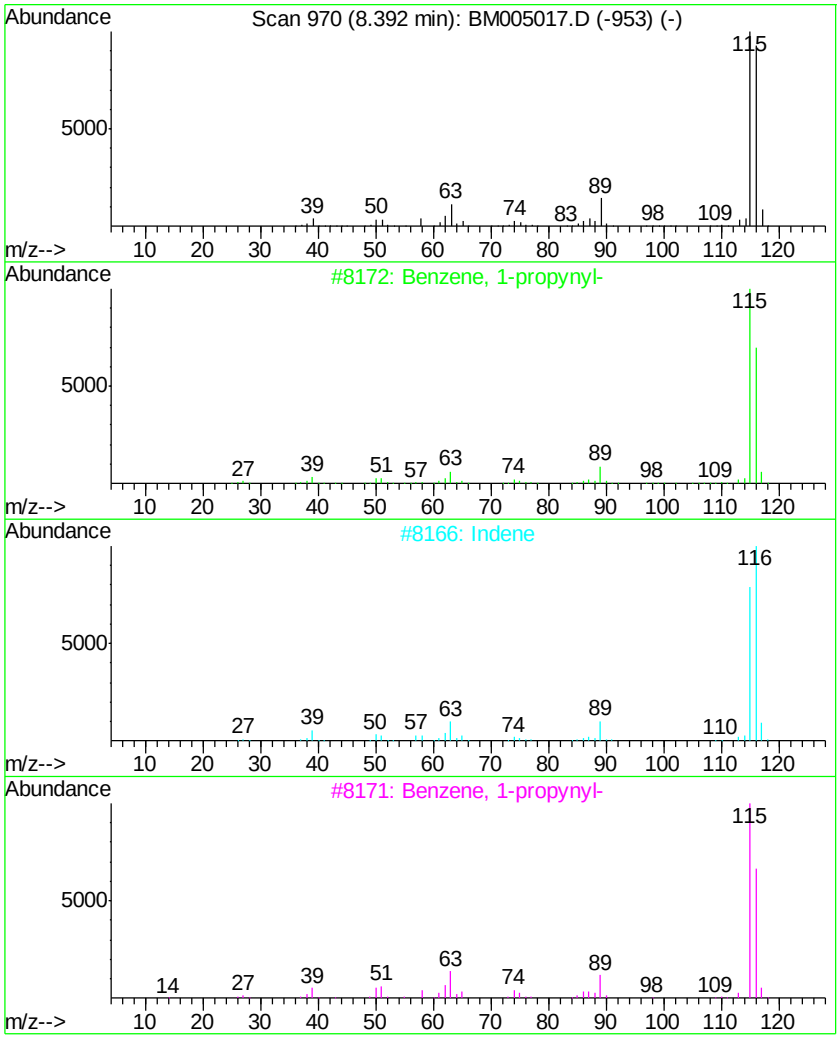
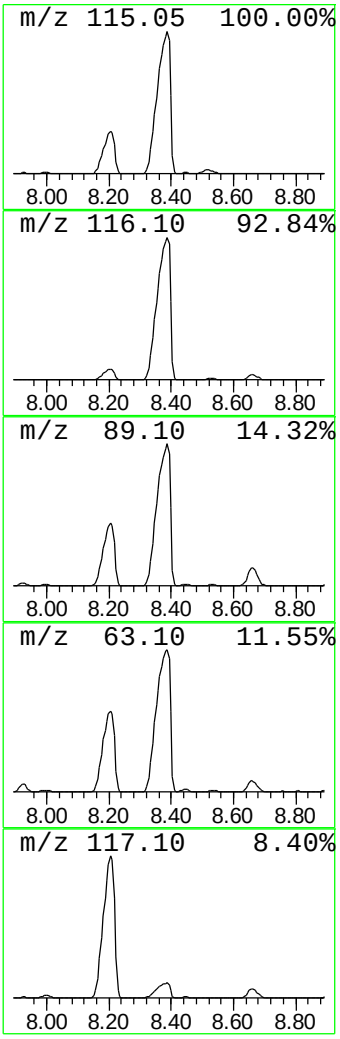
Peak Number 11 Benzene, 1-propynyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	237.38 ng/ul	15833400	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	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91





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ClientSampleId : BC7M3

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Quant Title : SVOA CALIBRATION

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

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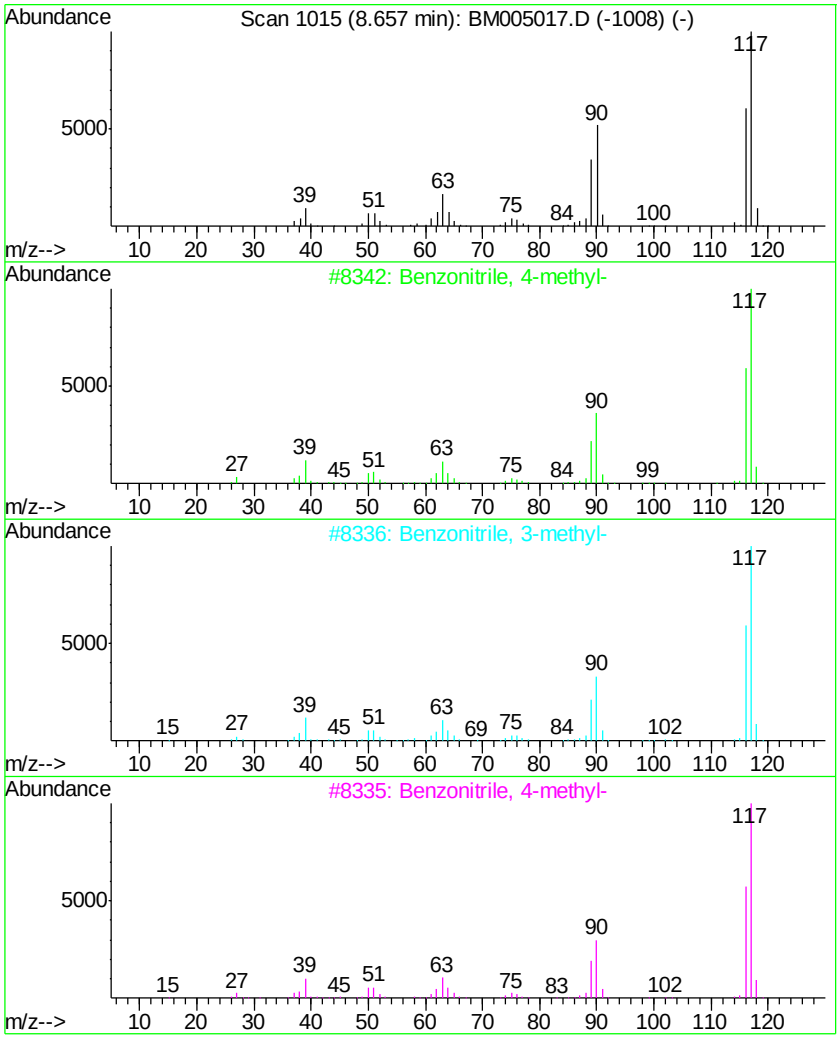
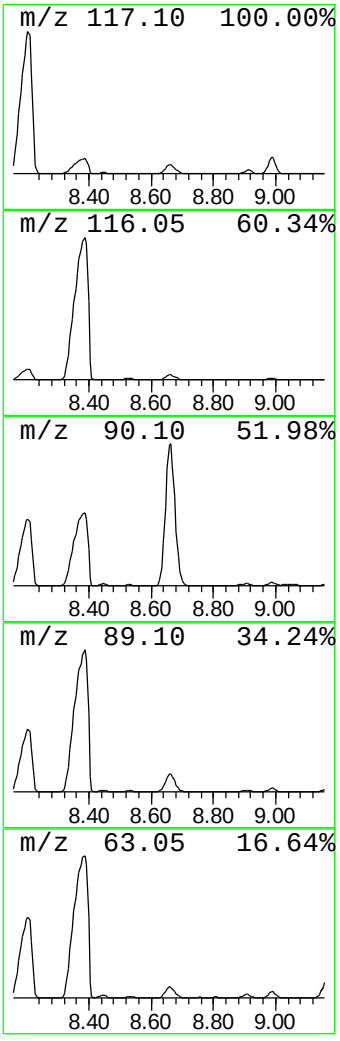
Peak Number 12 Benzonitrile, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.66	12.23 ng/ul	815806	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	97
2	Benzonitrile, 3-methyl-	117	C8H7N	000620-22-4	97
3	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	97
4	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	96
5	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	96





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Operator : UM/SJ
Sample : H2567-05
Misc :
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Instrument : BNA_M
ClientSampleId : BC7M3

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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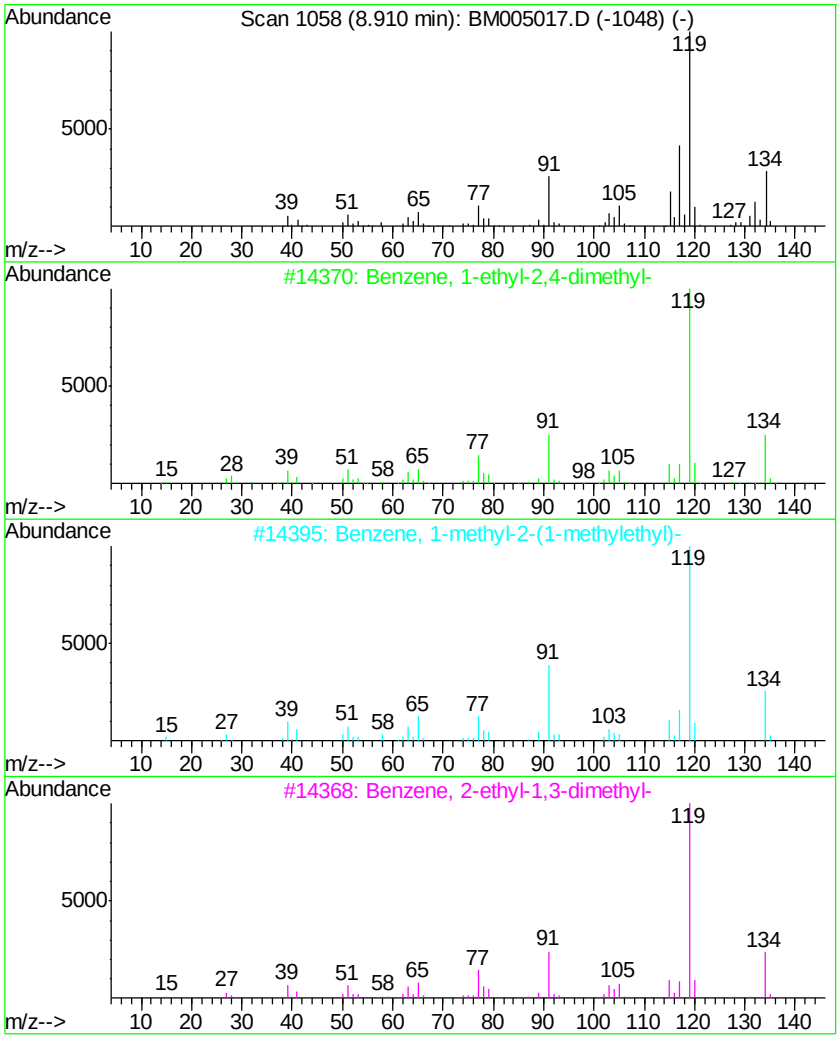
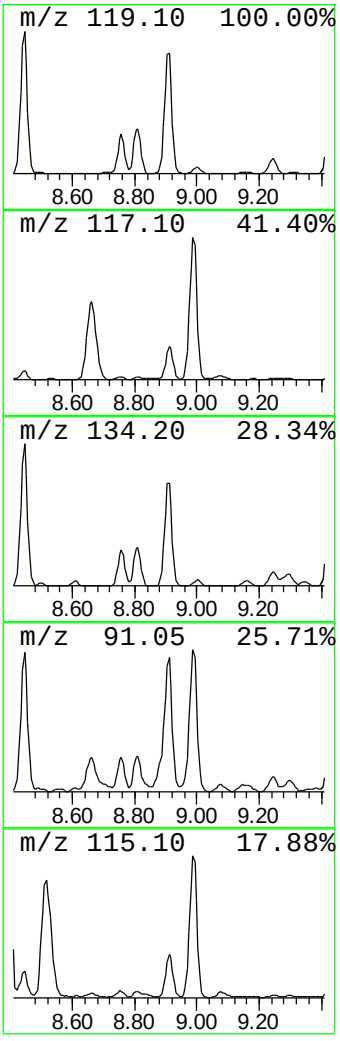
Peak Number 13 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	9.71 ng/ul	647620	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	70
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	70
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	70





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ClientSampleId : BC7M3

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Quant Title : SVOA CALIBRATION

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

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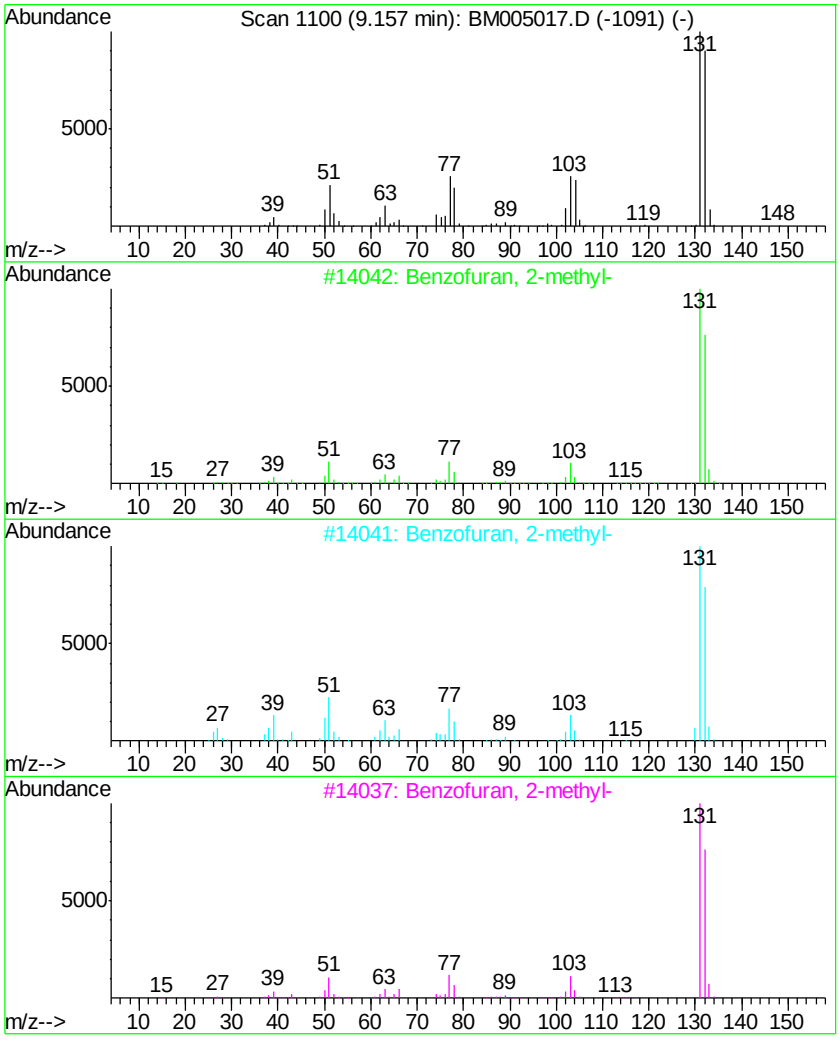
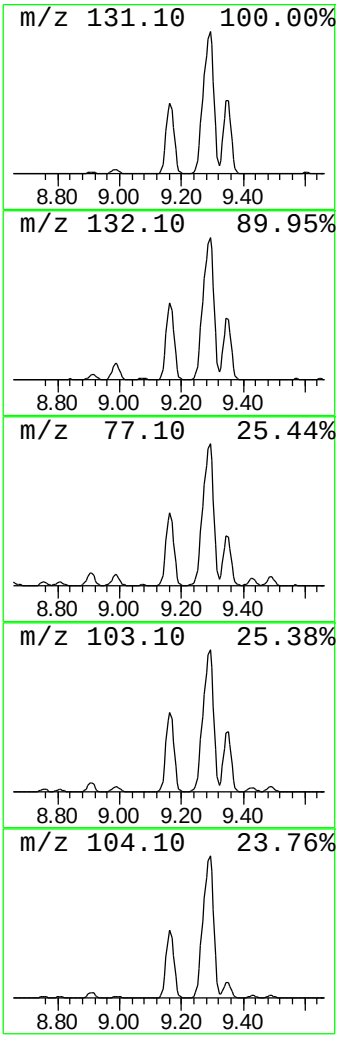
Peak Number 14 Benzofuran, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	28.92 ng/ul	1929080	1,4-Dichlorobenzene-d4	7.81

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	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	90
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	87





Library Search Compound Report

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Operator : UM/SJ
Sample : H2567-05
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Instrument : BNA_M
ClientSampleId : BC7M3

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Quant Title : SVOA CALIBRATION

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

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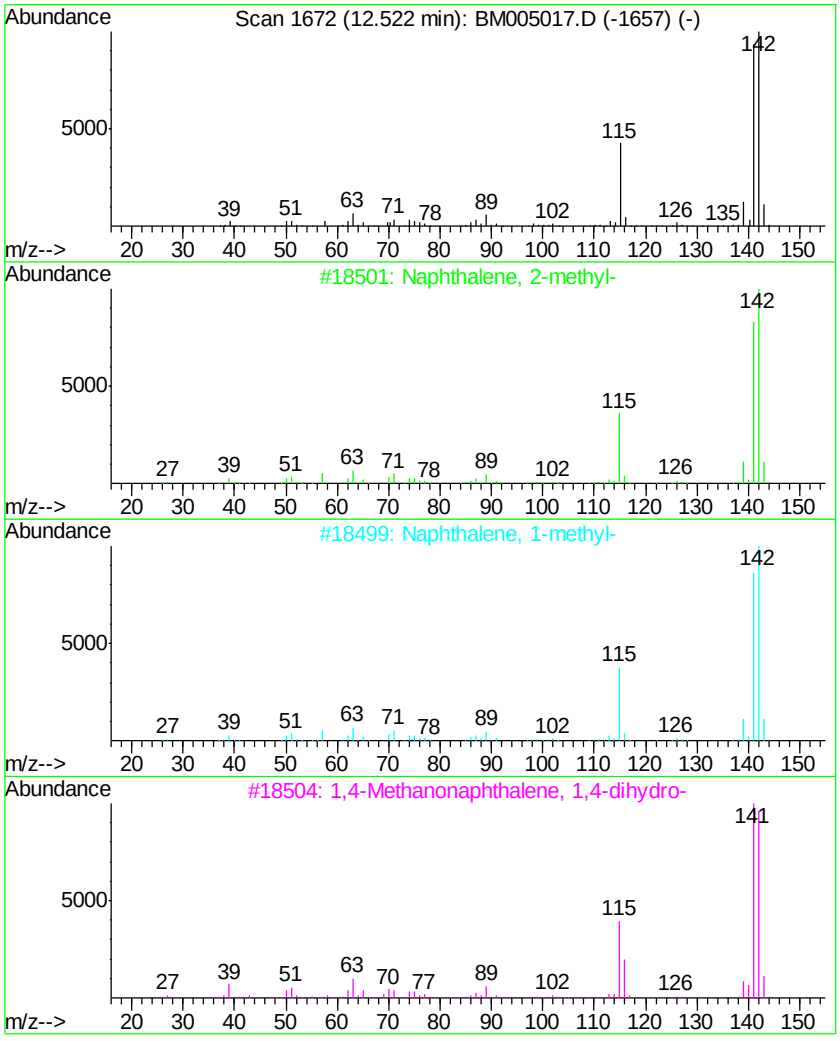
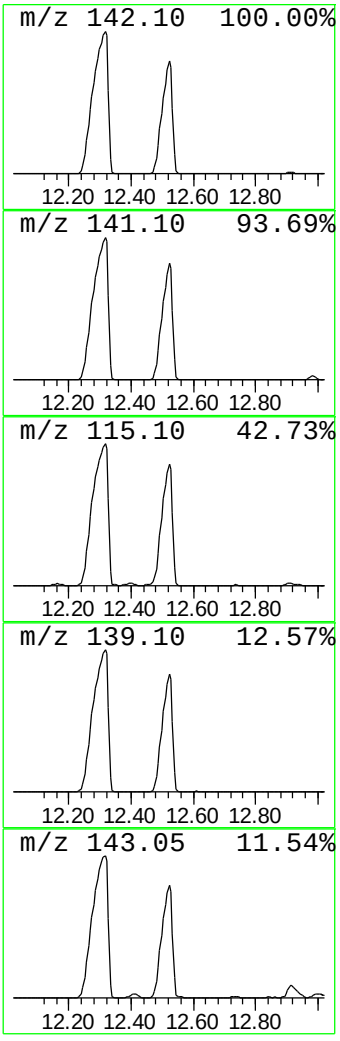
Peak Number 15 Naphthalene, 1-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	4.11 ng/ul	11223300	Naphthalene-d8	10.63

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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





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Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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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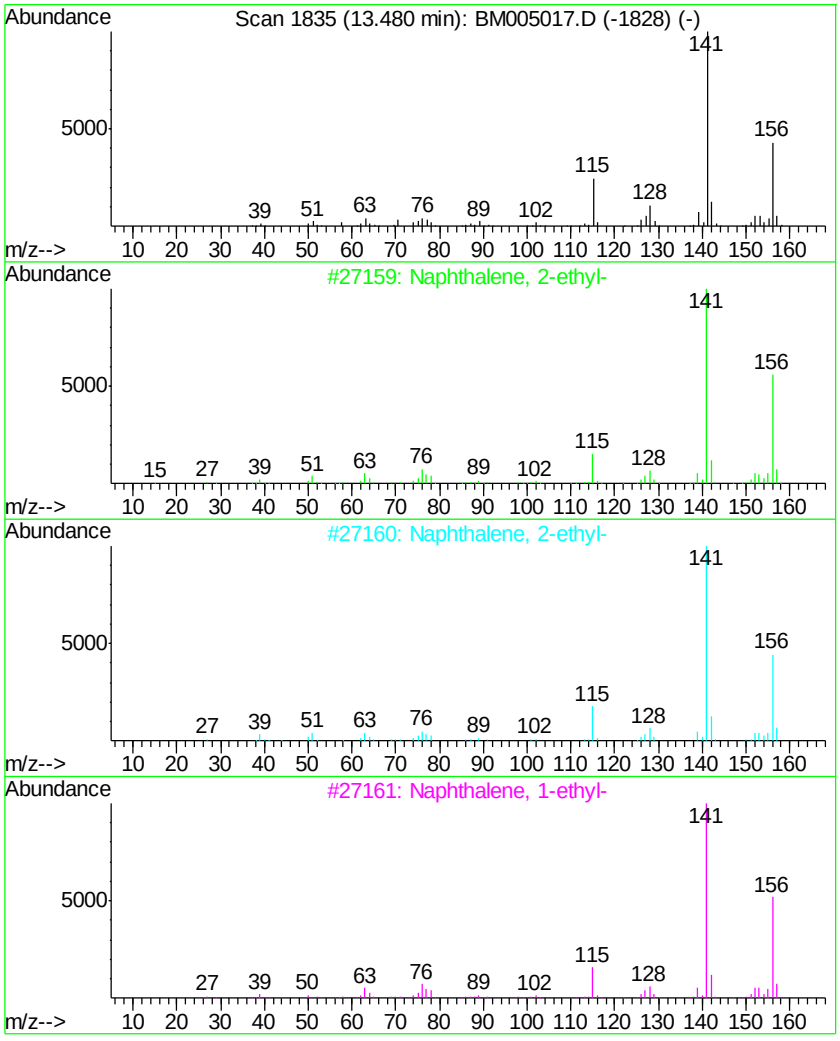
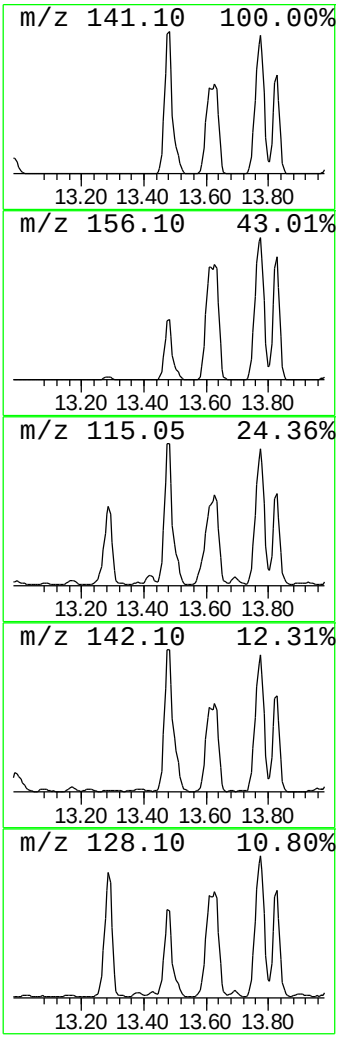
Peak Number 16 Naphthalene, 2-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	22.58 ng/ul	2196130	Acenaphthene-d10	14.45

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





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Misc :
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Quant Title : SVOA CALIBRATION

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

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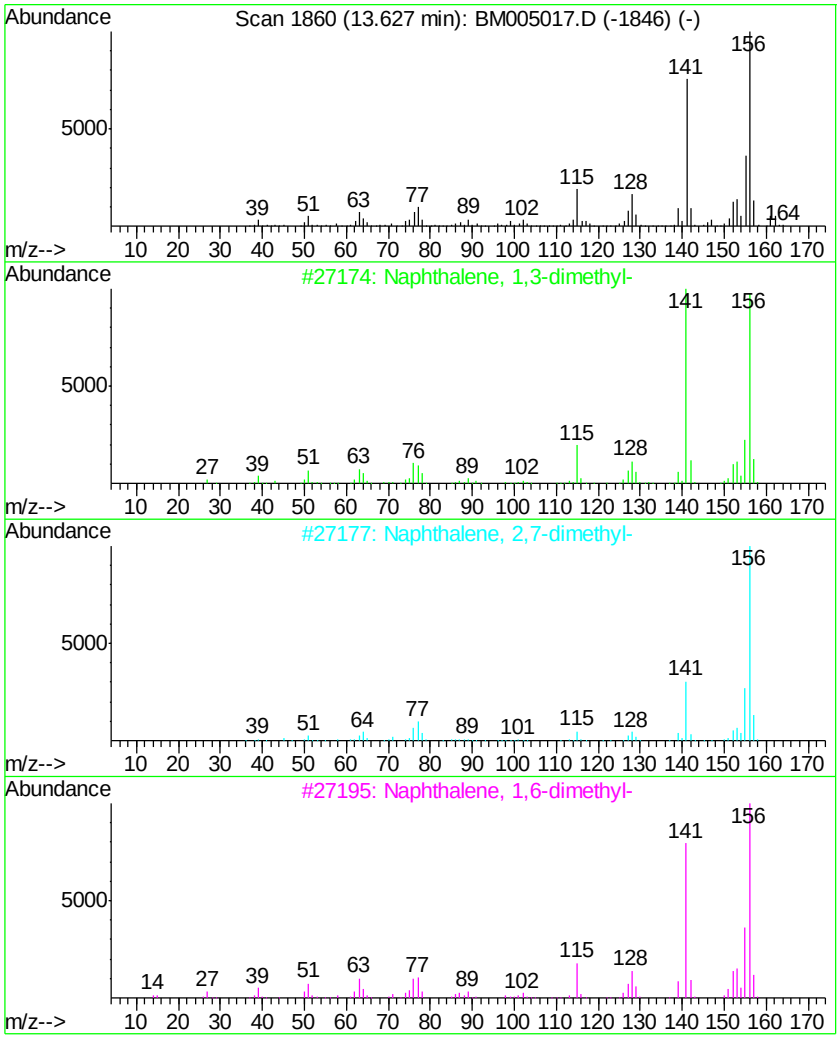
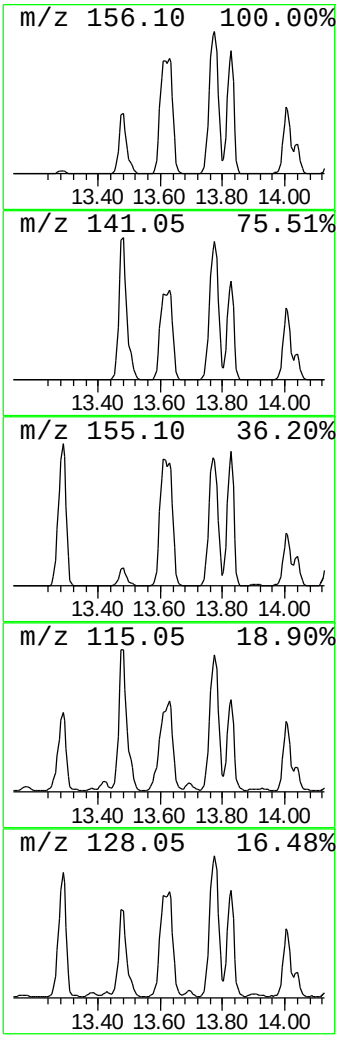
Peak Number 17 Naphthalene, 1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	41.30 ng/ul	4017510	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Instrument : BNA_M
ClientSampleId : BC7M3

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Quant Title : SVOA CALIBRATION

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

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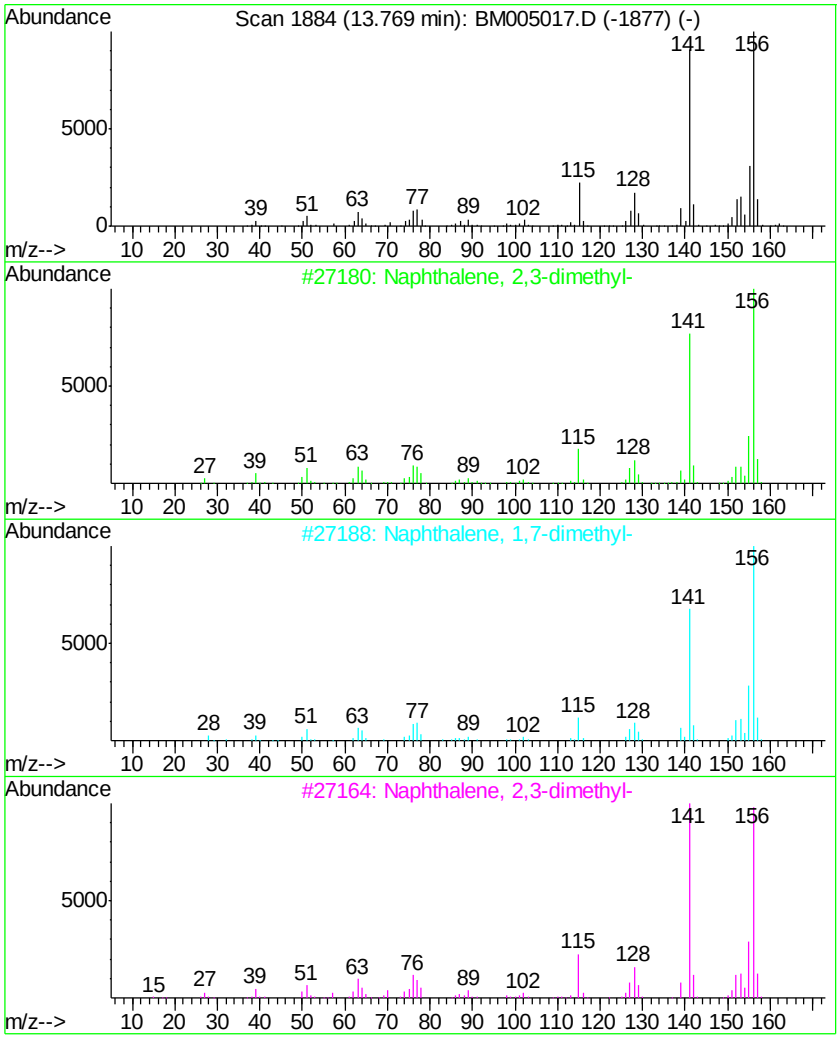
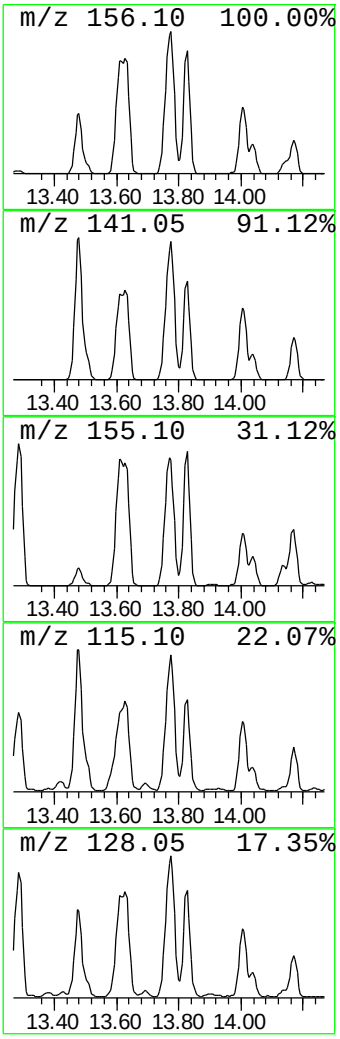
Peak Number 18 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	34.39 ng/ul	3344600	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, 1,7-dimethyl-	156	C12H12	000575-37-1	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	96





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Misc :
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Quant Title : SVOA CALIBRATION

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

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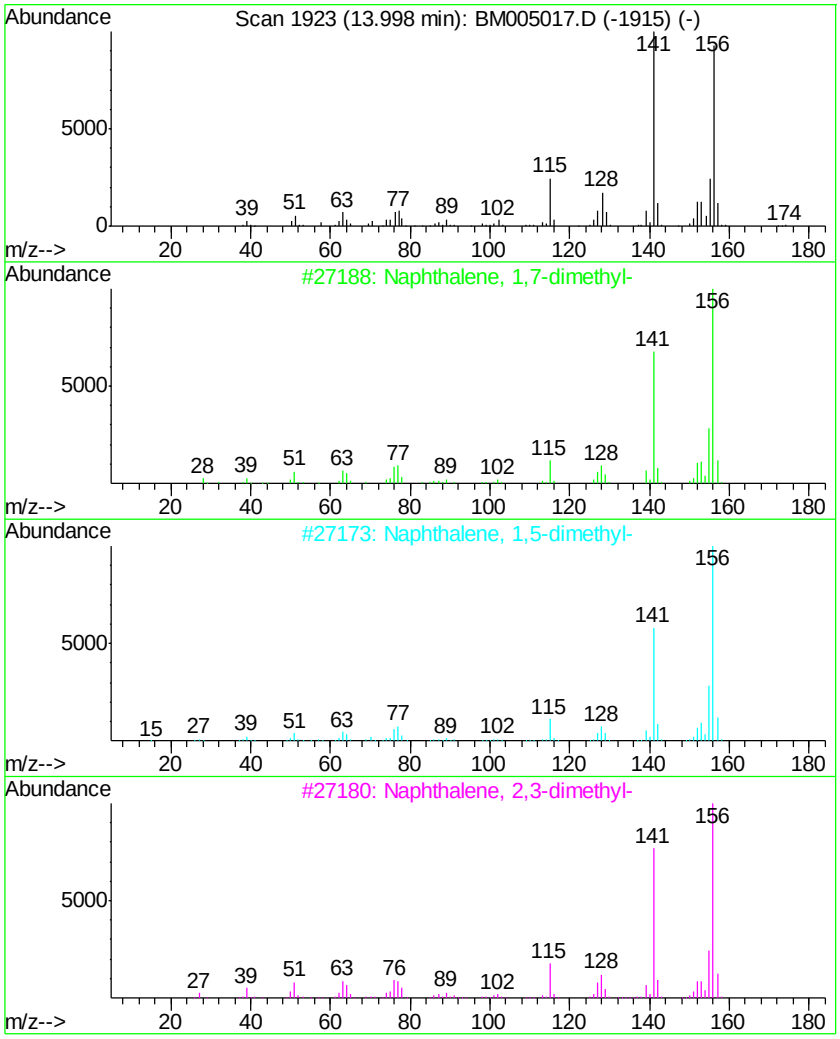
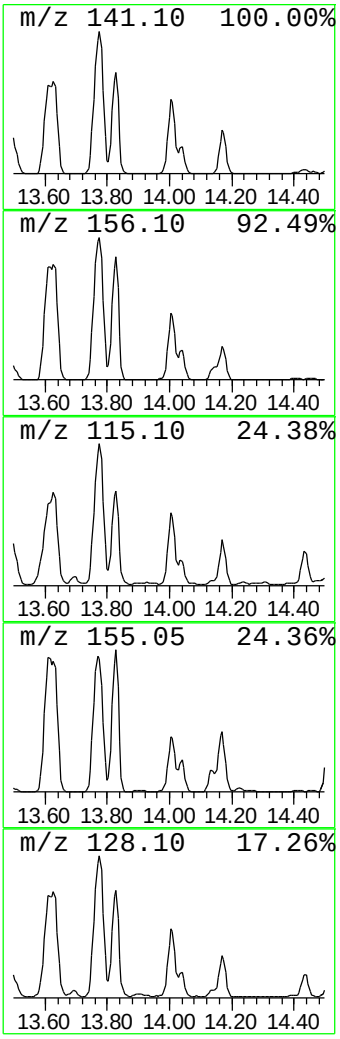
Peak Number 19 Naphthalene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	13.51 ng/ul	1314250	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	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, 1,3-dimethyl-	156	C12H12	000575-41-7	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 1-Isopropenylnaphthalene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	8.87 ng/ul	862668	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
3	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	50
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
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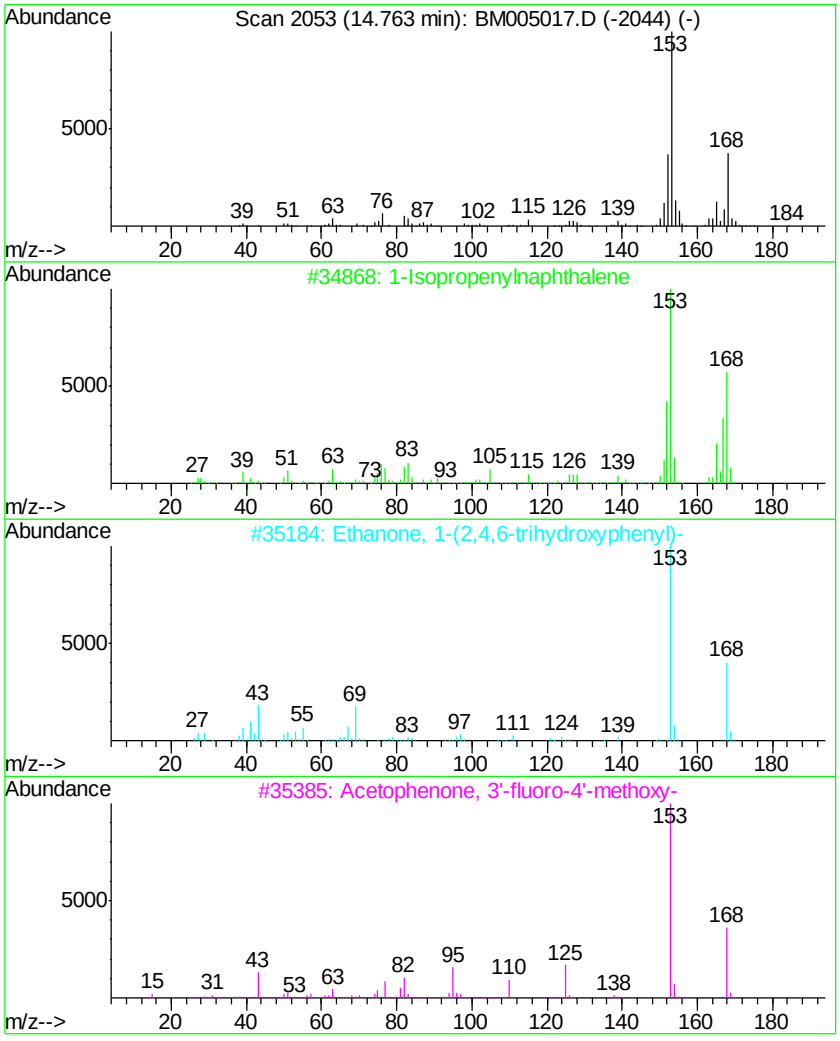

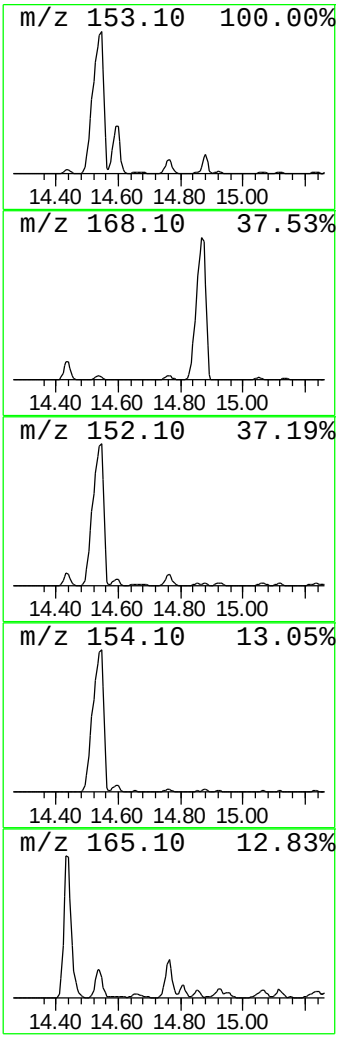

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Instrument : BNA_M
ClientSampleId : BC7M3

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Quant Title : SVOA CALIBRATION

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

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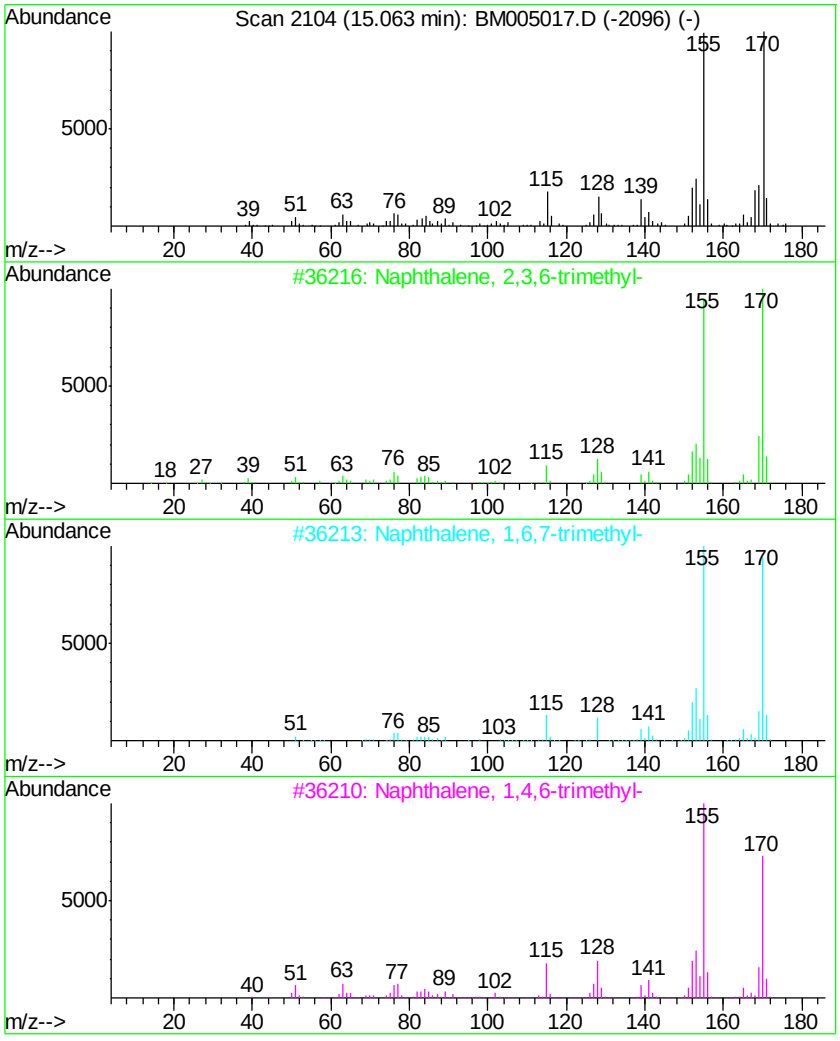
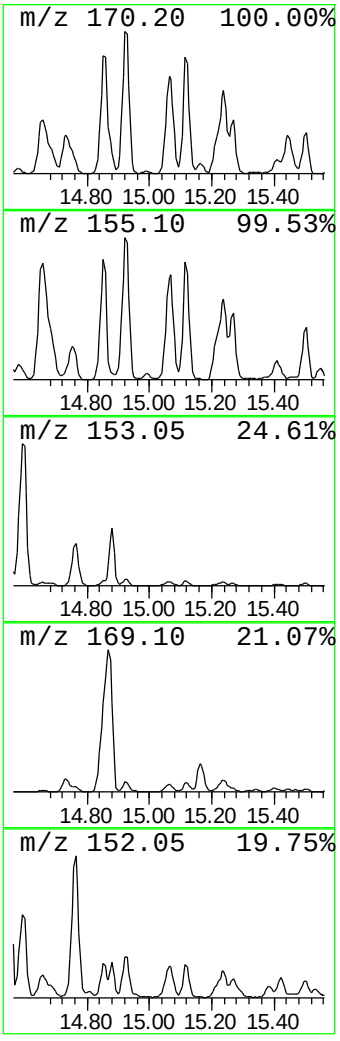
Peak Number 21 Naphthalene, 2,3,6-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	6.83 ng/ul	664283	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





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Data File : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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

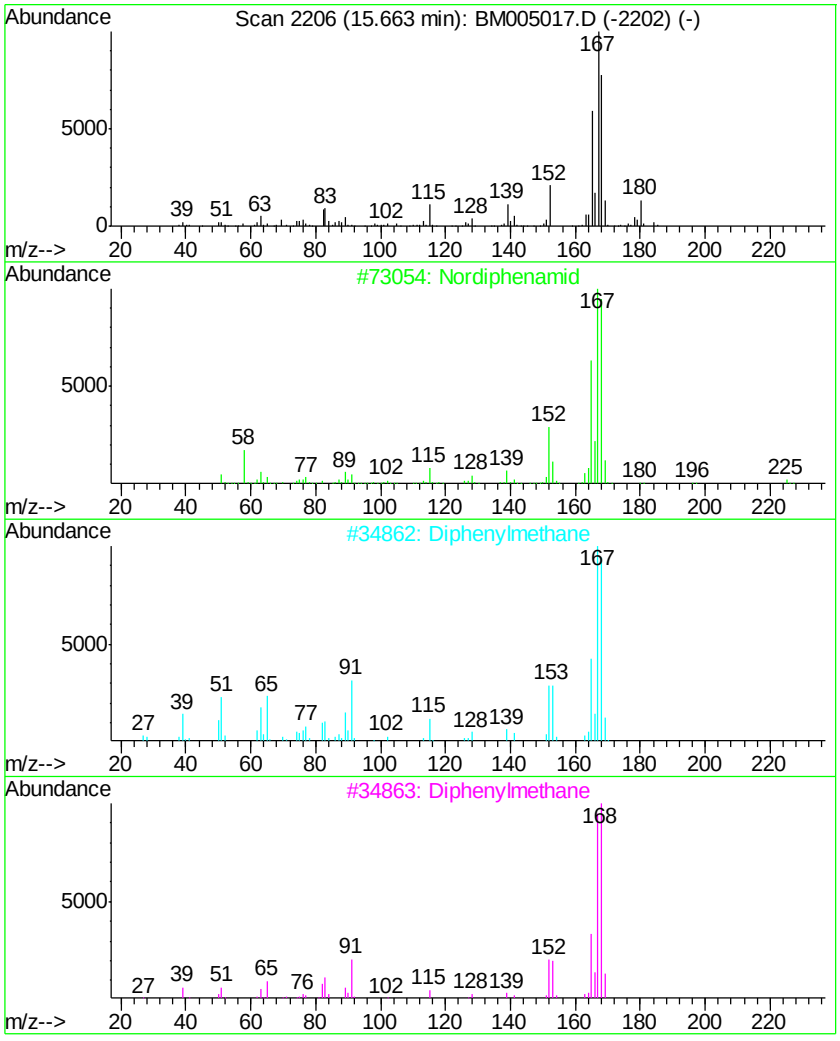
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

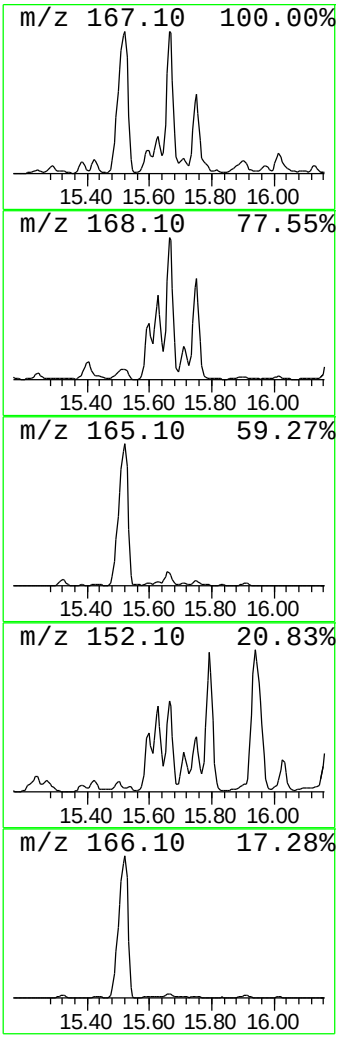
****

Peak Number 22 Nordiphenamid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	14.86 ng/ul	1445770	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	87
2	Diphenylmethane	168	C13H12	000101-81-5	68
3	Diphenylmethane	168	C13H12	000101-81-5	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58





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Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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

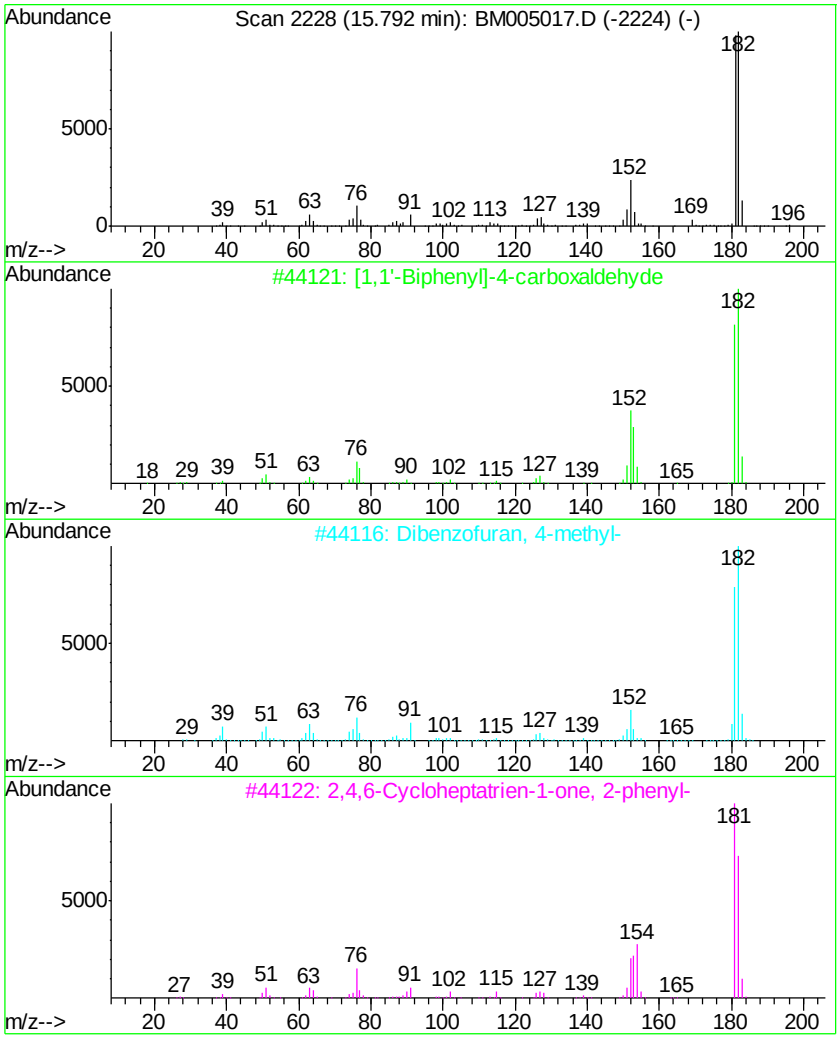
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

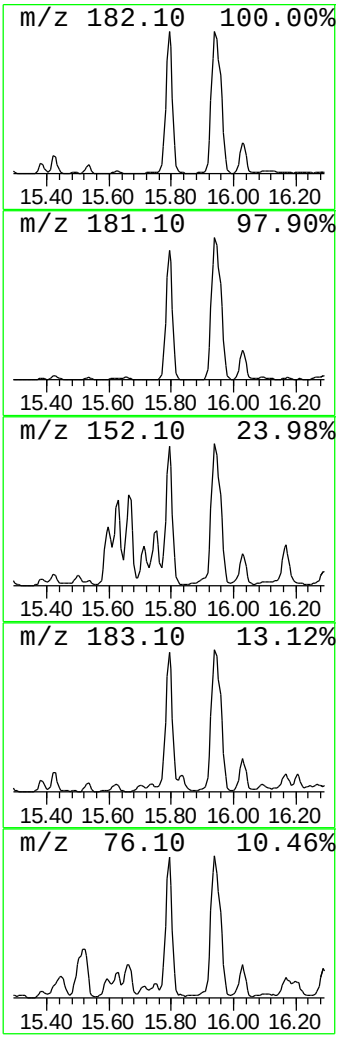
****

Peak Number 24 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	17.39 ng/ul	1691710	Acenaphthene-d10	14.45

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	80
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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

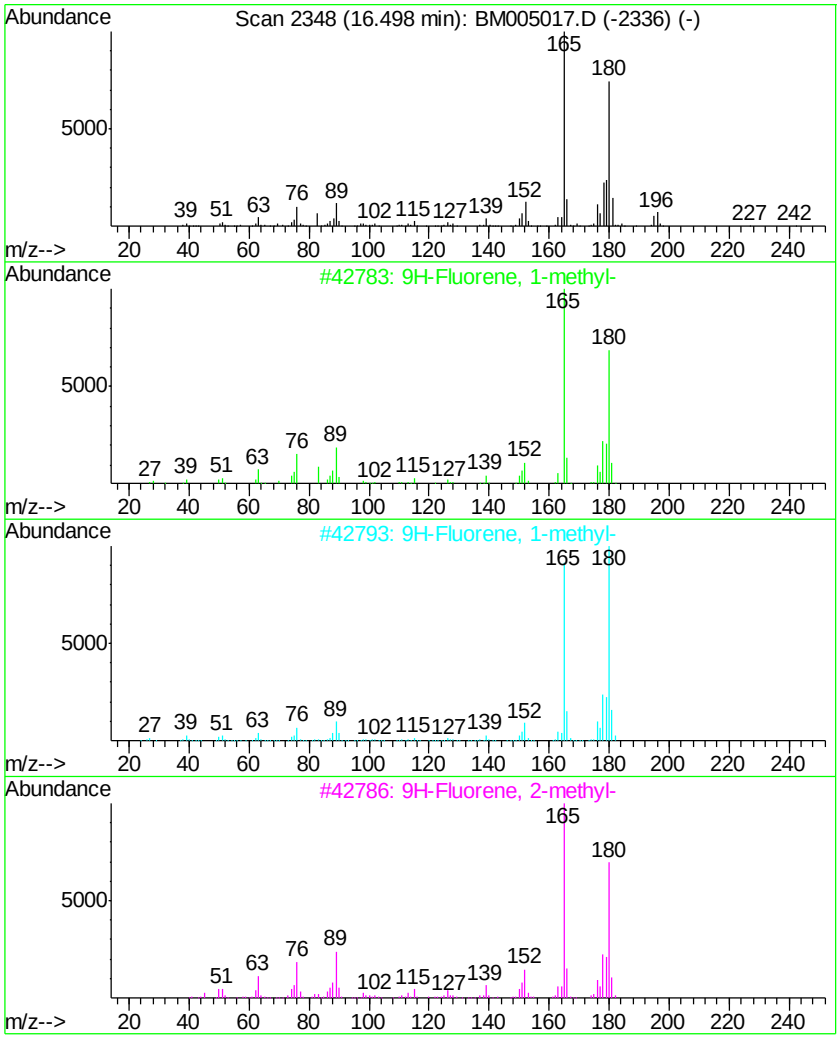
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

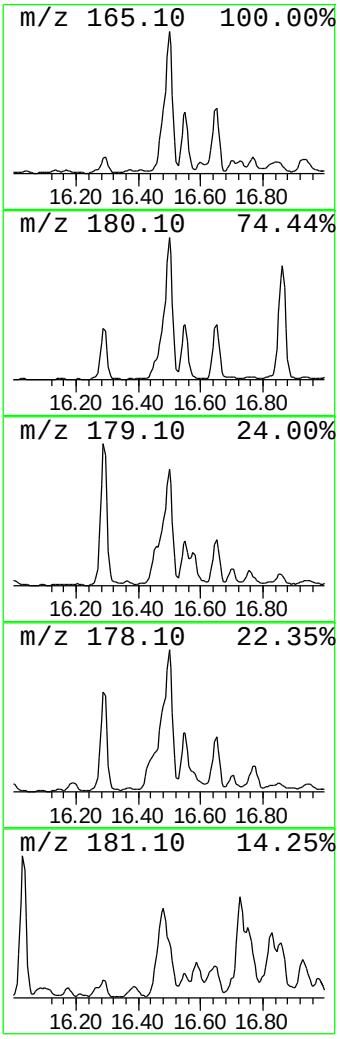
****

Peak Number 26 9H-Fluorene, 1-methyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	2.27 ng/ul	2200150	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91





Library Search Compound Report

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Data File : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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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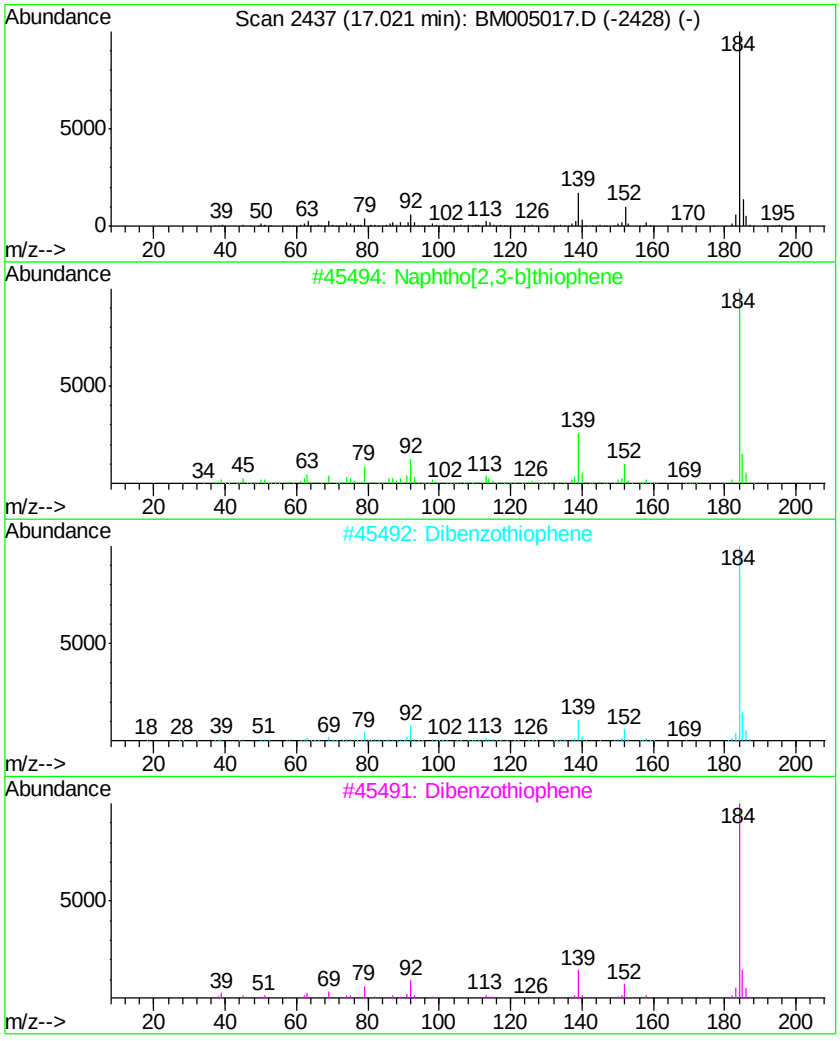
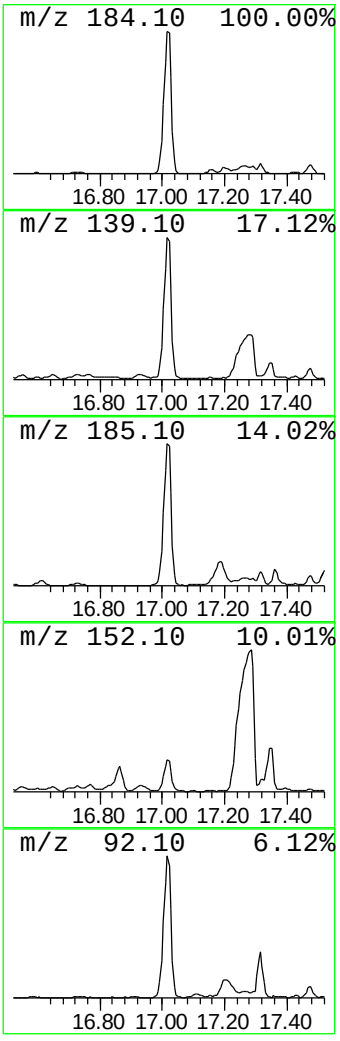
Peak Number 27 Naphtho[2,3-b]thiophene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	2.87 ng/ul	2784450	Phenanthrene-d10	17.20

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	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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 Phenanthrene, 2-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.69 ng/ul	2607740	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
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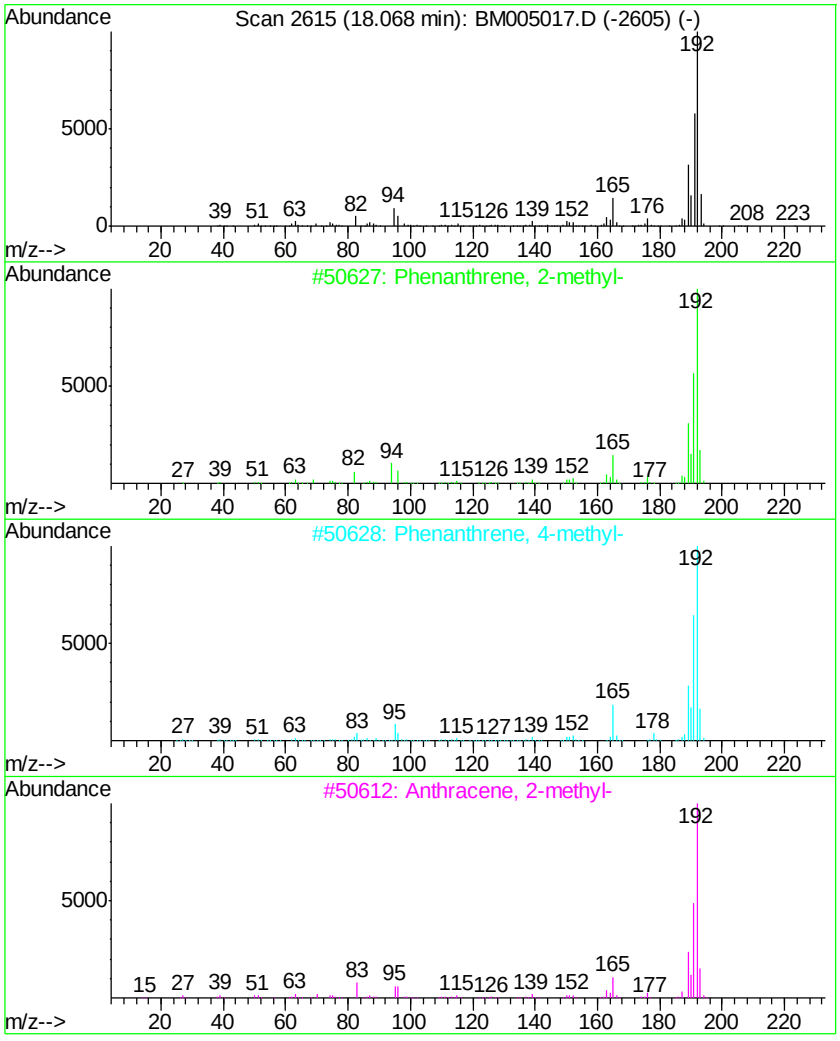
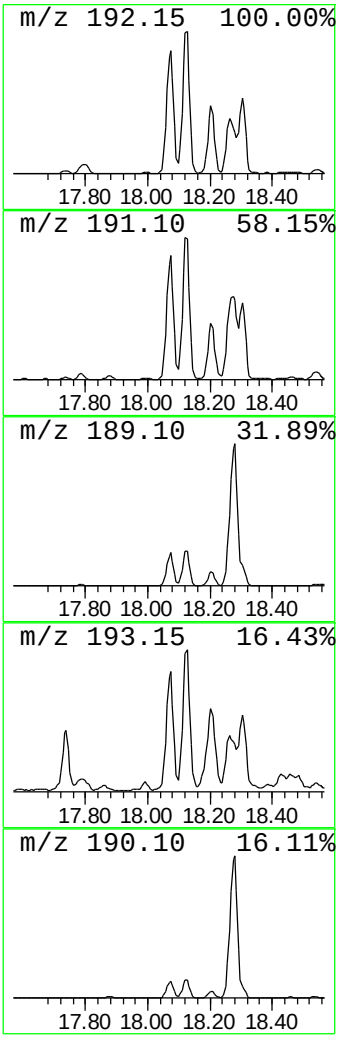
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Library Search Compound Report

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Data File : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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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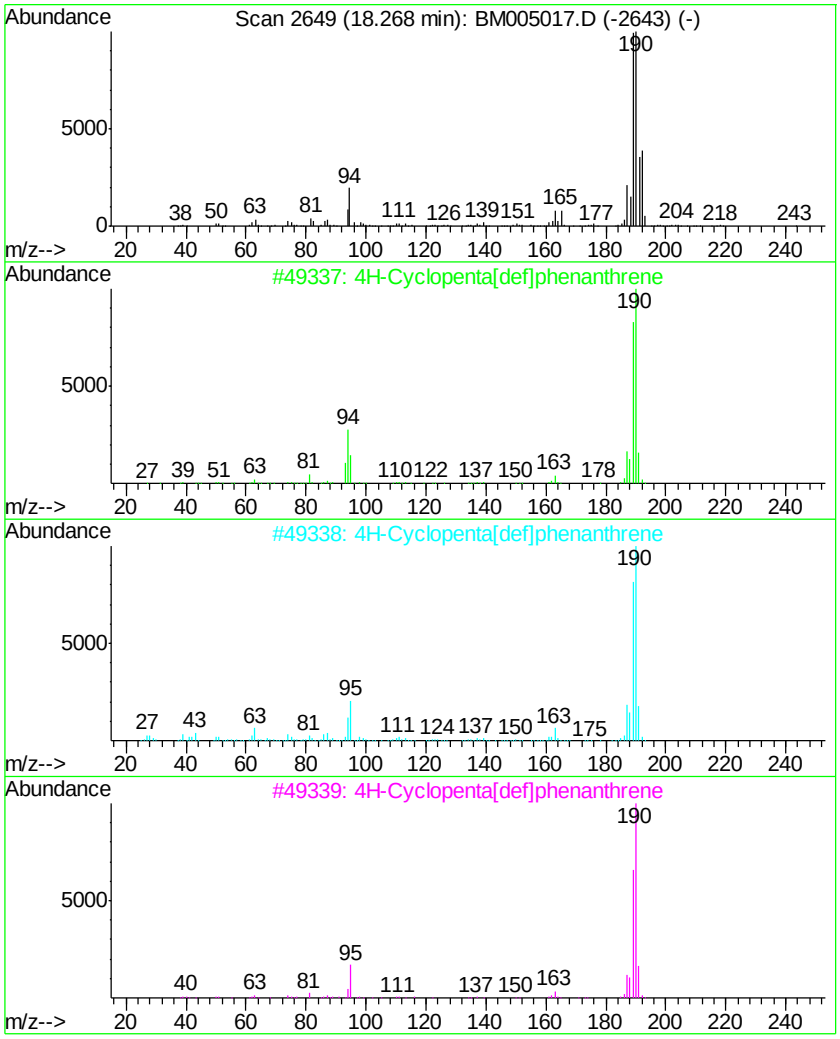
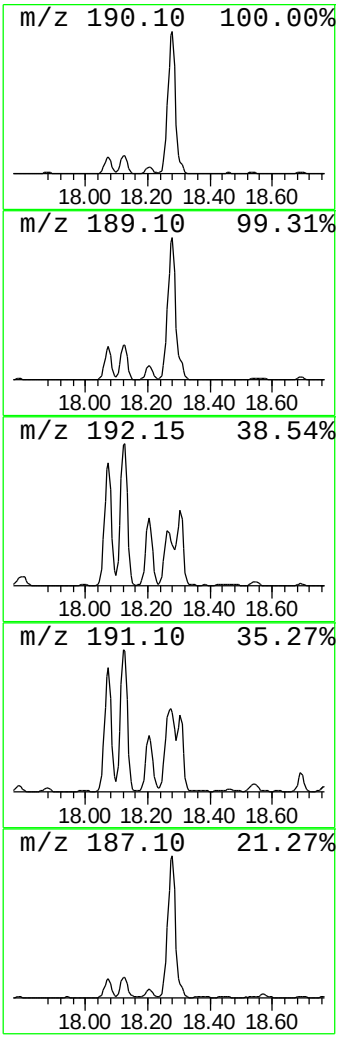
Peak Number 30 4H-Cyclopenta[def]phenanthrene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	4.52 ng/ul	4390580	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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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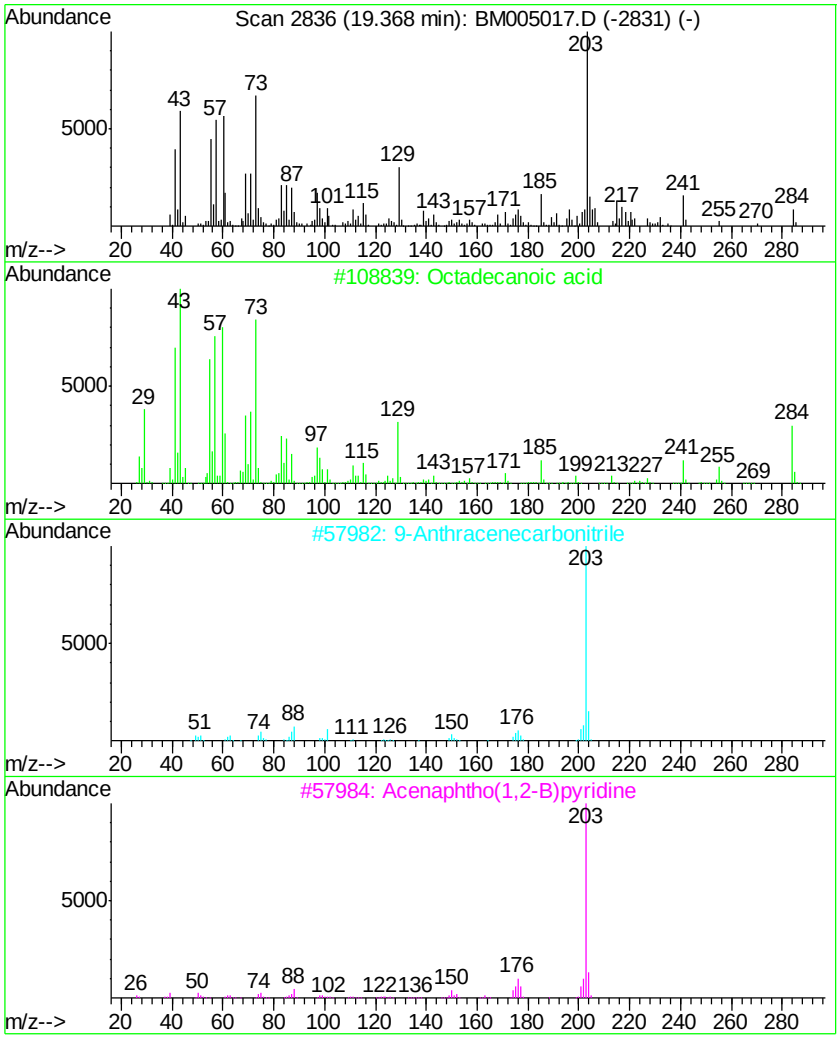
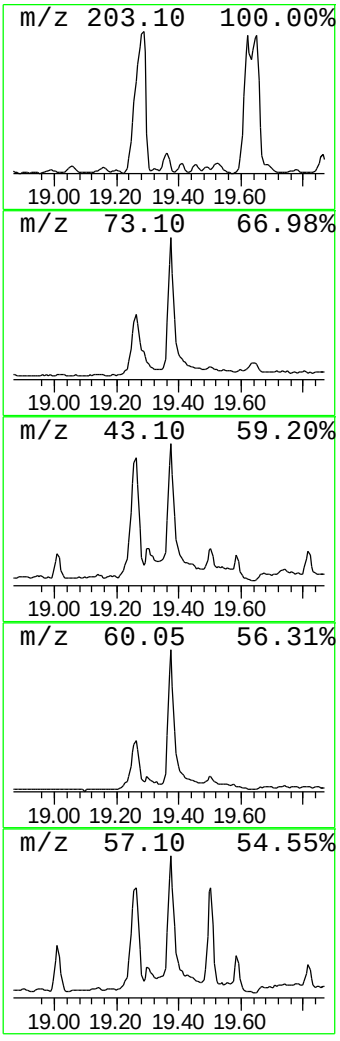
Peak Number 31 Octadecanoic acid Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	3.20 ng/ul	900968	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	83
2	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	80
3	Acenaphtho(1,2-B)pyridine	203	C15H9N	000206-49-5	74
4	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	70
5	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	70





Library Search Compound Report

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Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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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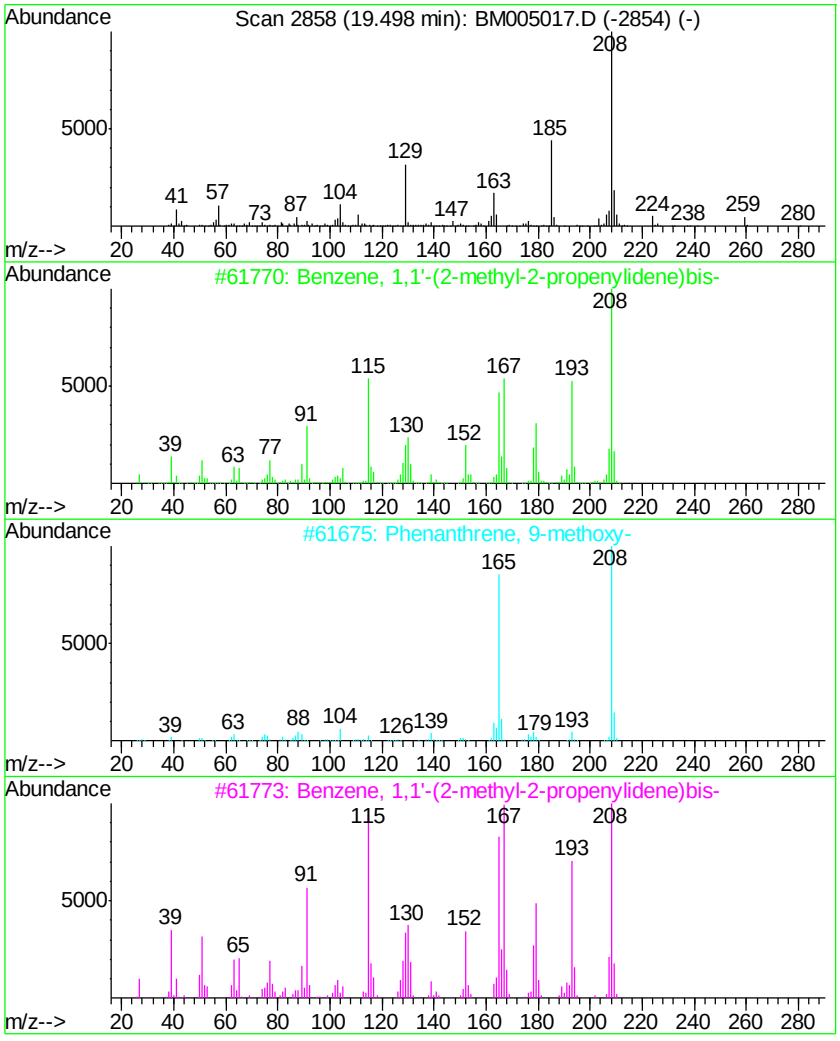
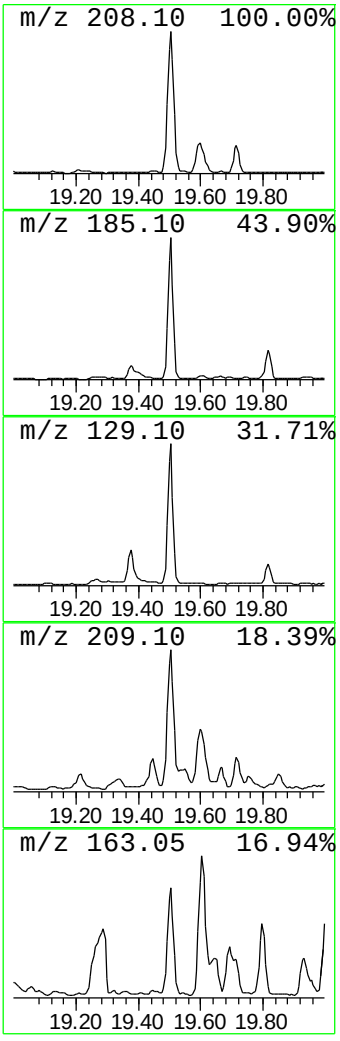
Peak Number 32 unknown-01 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.50	4.17 ng/ul	1174190	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	47
2	Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	47
3	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	46
4	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	43
5	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005017.D
Acq On : 21 Apr 2016 07:45
Operator : UM/SJ
Sample : H2567-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M3

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	38.6	ng/ul	2576020	1	7.81	1334030	20.0
Benzene, 1-ethyl-...	6.90	28.3	ng/ul	1885240	1	7.81	1334030	20.0
Benzene, 1,3,5-tr...	7.03	25.3	ng/ul	1687880	1	7.81	1334030	20.0
Benzene, 1,2,3-tr...	7.46	54.4	ng/ul	3625470	1	7.81	1334030	20.0
Benzofuran	7.55	78.3	ng/ul	5224680	1	7.81	1334030	20.0
Indane	8.20	171.4	ng/ul	11430100	1	7.81	1334030	20.0
Benzene, 1-propynyl-	8.39	237.4	ng/ul	15833400	1	7.81	1334030	20.0
Benzonitrile, 4-m...	8.66	12.2	ng/ul	815806	1	7.81	1334030	20.0
Benzene, 1-ethyl-...	8.91	9.7	ng/ul	647620	1	7.81	1334030	20.0
Benzofuran, 2-met...	9.16	28.9	ng/ul	1929080	1	7.81	1334030	20.0
Naphthalene, 1-me...	12.52	4.1	ng/ul	11223300	2	10.63	54647400	20.0
Naphthalene, 2-et...	13.48	22.6	ng/ul	2196130	3	14.45	1945310	20.0
Naphthalene, 1,3-...	13.63	41.3	ng/ul	4017510	3	14.45	1945310	20.0
Naphthalene, 2,3-...	13.77	34.4	ng/ul	3344600	3	14.45	1945310	20.0
Naphthalene, 1,7-...	14.00	13.5	ng/ul	1314250	3	14.45	1945310	20.0
1-Isopropenylnaph...	14.76	8.9	ng/ul	862668	3	14.45	1945310	20.0
Naphthalene, 2,3,...	15.06	6.8	ng/ul	664283	3	14.45	1945310	20.0
Nordiphenamid	15.66	14.9	ng/ul	1445770	3	14.45	1945310	20.0
[1,1'-Biphenyl]-4...	15.79	17.4	ng/ul	1691710	3	14.45	1945310	20.0
9H-Fluorene, 1-me...	16.50	2.3	ng/ul	2200150	4	17.20	19409900	20.0
Naphtho[2,3-b]thi...	17.02	2.9	ng/ul	2784450	4	17.20	19409900	20.0
Phenanthrene, 2-m...	18.07	2.7	ng/ul	2607740	4	17.20	19409900	20.0
4H-Cyclopenta[def...	18.27	4.5	ng/ul	4390580	4	17.20	19409900	20.0
Octadecanoic acid	19.37	3.2	ng/ul	900968	5	21.39	5634900	20.0
unknown-01	19.50	4.2	ng/ul	1174190	5	21.39	5634900	20.0