LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM121915.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	5.216	357	362	368	rBB	23496	33513	4.81%	0.461%
2	5.346	379	384	393	rBB	38206	77215	11.08%	1.062%
3	5.716	441	447	453	rBB	28544	42241	6.06%	0.581%
4	6.787	624	629	634	rBV	31719	43998	6.31%	0.605%
5	6.846	634	639	648	rVV2	13386	25346	3.64%	0.349%
6	6.922	648	652	657	rVB	9703	13453	1.93%	0.185%
7	7.346	717	724	732	rBB	42650	70303	10.09%	0.967%
8	7.698	778	784	789	rBV	64594	100497	14.42%	1.383%
9	7.810	798	803	810	rBB2	12475	19773	2.84%	0.272%
10	8.069	841	847	853	rBB	58961	87575	12.56%	1.205%
11	8.228	870	874	880	rVB	34097	52934	7.59%	0.728%
12	8.798	966	971	976	rBB	14378	19724	2.83%	0.271%
13	9.381	1064	1070	1074	rBB2	8616	12398	1.78%	0.171%
14	9.916	1152	1161	1167	rBV3	33173	80650	11.57%	1.110%
15	9.986	1167	1173	1178	rBV	28409	57827	8.30%	0.796%
16	10.486	1247	1258	1261	rBV	106316	181438	26.03%	2.496%
17	10.539	1261	1267	1275	rVB	406941	697055	100.00%	9.591%
18	10.651	1275	1286	1291	rBB3	5529	12044	1.73%	0.166%
19	11.586	1439	1445	1450	rVV4	6106	14863	2.13%	0.205%
20	11.681	1456	1461	1468	rVB	6937	13029	1.87%	0.179%
21	11.916	1497	1501	1505	rVB2	9761	12664	1.82%	0.174%
22	12.157	1535	1542	1549	rBB	275963	446113	64.00%	6.138%
23	12.375	1570	1579	1586	rBB	185401	290326	41.65%	3.995%
24	13.175	1710	1715	1720	rBB2	30380	43454	6.23%	0.598%
25	13.375	1743	1749	1758	rVB	61484	102715	14.74%	1.413%
26	13.510	1766	1772	1773	rBV	43911	66855	9.59%	0.920%
27	13.669	1792	1799	1804	rBV	87377	149185	21.40%	2.053%
28	13.722	1804	1808	1811	rVV	54897	77831	11.17%	1.071%
29	13.757	1811	1814	1818	rVV	23126	28457	4.08%	0.392%
30	13.804	1818	1822	1825	rVV	16518	22029	3.16%	0.303%
31	13.904	1834	1839	1843	rVV	44032	63915	9.17%	0.879%
32	13.933	1843	1844	1852	rVB2	11701	12792	1.84%	0.176%
33	14.039	1857	1862	1864	rBV	29083	39429	5.66%	0.543%
34	14.069	1864	1867	1872	rVB	35653	50311	7.22%	0.692%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM121915.M
Title : SVOA CALIBRATION

35	14.245	1894	1897	1901	rBB	13143	16344	2.34%	0.225%
36	14.351	1906	1915	1921	rBV2	172407	280671	40.27%	3.862%
37	14.410	1921	1925	1933	rVB	70233	110332	15.83%	1.518%
38	14.563	1945	1951	1959	rBB2	13650	29869	4.29%	0.411%
39	14.751	1973	1983	1990	rBV2	24707	46772	6.71%	0.644%
40	14.827	1990	1996	2000	rVB	21407	29501	4.23%	0.406%
41	14.957	2012	2018	2024	rBV4	23152	52718	7.56%	0.725%
42	15.021	2025	2029	2032	rVB	14446	18923	2.71%	0.260%
43	15.139	2039	2049	2052	rBV3	16372	35191	5.05%	0.484%
44	15.216	2057	2062	2069	rVB3	18336	38167	5.48%	0.525%
45	15.310	2070	2078	2079	rBV5	5606	12976	1.86%	0.179%
46	15.345	2079	2084	2088	rVB	50158	68414	9.81%	0.941%
47	15.398	2088	2093	2104	rVB2	42759	75335	10.81%	1.037%
48	15.610	2124	2129	2137	rVB3	17478	27128	3.89%	0.373%
49	15.692	2137	2143	2149	rBV3	6795	15379	2.21%	0.212%
50	15.810	2158	2163	2167	rBV	19213	28236	4.05%	0.389%
51	16.068	2203	2207	2214	rBV4	19457	40470	5.81%	0.557%
52	16.404	2257	2264	2269	rVV4	16396	39543	5.67%	0.544%
53	16.451	2269	2272	2277	rVB2	19211	26386	3.79%	0.363%
54	16.551	2285	2289	2294	rVB3	10806	15972	2.29%	0.220%
55	16.674	2300	2310	2314	rVB5	5816	12758	1.83%	0.176%
56	16.757	2321	2324	2331	rVB3	9390	14290	2.05%	0.197%
57	16.857	2331	2341	2345	rBV3	11259	17748	2.55%	0.244%
58	16.910	2345	2350	2355	rBV2	22970	31687	4.55%	0.436%
59	17.098	2376	2382	2386	rBV	248551	354530	50.86%	4.878%
60	17.139	2386	2389	2394	rVB	189655	236445	33.92%	3.253%
61	17.192	2394	2398	2401	rBV	38464	52322	7.51%	0.720%
62	17.227	2401	2404	2409	rVB	46059	59994	8.61%	0.825%
63	17.286	2409	2414	2419	rBV3	12185	19708	2.83%	0.271%
64	17.674	2476	2480	2485	rVB	11625	15953	2.29%	0.220%
65	17.821	2497	2505	2512	rVB5	8531	17837	2.56%	0.245%
66	17.974	2525	2531	2535	rVV	53531	72428	10.39%	0.997%
67	18.021	2535	2539	2545	rVB	60679	78331	11.24%	1.078%
68	18.104	2547	2553	2558	rBV	23205	36899	5.29%	0.508%
69	18.162	2558	2563	2567	rVV3	59579	109964	15.78%	1.513%
70	18.204	2567	2570	2578	rVB	41456	58354	8.37%	0.803%
71	18.474	2612	2616	2620	rVB2	16169	20576	2.95%	0.283%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM121915.M
Title : SVOA CALIBRATION

72	18.898	2683	2688	2692	rBV2	37931	63032	9.04%	0.867%
73	18.956	2694	2698	2701	rVV3	18320	35153	5.04%	0.484%
74	18.992	2701	2704	2707	rVB	14778	17442	2.50%	0.240%
75	19.033	2707	2711	2719	rBV3	8553	22223	3.19%	0.306%
76	19.162	2728	2733	2738	rBV	60509	80831	11.60%	1.112%
77	19.315	2754	2759	2763	rBV	24376	30208	4.33%	0.416%
78	19.498	2785	2790	2792	rVV	63015	86465	12.40%	1.190%
79	19.527	2792	2795	2804	rVV	87277	124342	17.84%	1.711%
80	19.609	2804	2809	2814	rVV	8128	12738	1.83%	0.175%
81	19.698	2819	2824	2831	rVV3	7187	14524	2.08%	0.200%
82	19.851	2846	2850	2860	rVB5	11672	28333	4.06%	0.390%
83	19.998	2869	2875	2876	rBV4	11507	18356	2.63%	0.253%
84	20.021	2876	2879	2887	rVB2	25675	39250	5.63%	0.540%
85	20.127	2893	2897	2903	rVB	18190	21772	3.12%	0.300%
86	20.186	2903	2907	2911	rVB	16722	19562	2.81%	0.269%
87	20.327	2927	2931	2934	rBV	14804	19136	2.75%	0.263%
88	20.368	2934	2938	2943	rVB3	17649	26257	3.77%	0.361%
89	20.733	2995	3000	3006	rBV6	5832	15955	2.29%	0.220%
90	20.945	3032	3036	3039	rVV	8584	13147	1.89%	0.181%
91	20.980	3039	3042	3045	rVV	9826	13195	1.89%	0.182%
92	21.298	3089	3096	3100	rVV	425031	583002	83.64%	8.022%
93	21.333	3100	3102	3111	rVV	38665	46691	6.70%	0.642%
94	21.850	3183	3190	3193	rVV	17586	31254	4.48%	0.430%
95	21.968	3204	3210	3213	rVV4	6706	13410	1.92%	0.185%
96	22.868	3356	3363	3369	rBV3	11299	33317	4.78%	0.458%
97	23.344	3440	3444	3448	rBV2	7687	12432	1.78%	0.171%
98	23.397	3448	3453	3458	rVV	41575	78428	11.25%	1.079%
99	23.439	3458	3460	3465	rVB	14747	21180	3.04%	0.291%
100	23.544	3470	3478	3485	rBV	249788	466004	66.85%	6.412%

Sum of corrected areas: 7267742

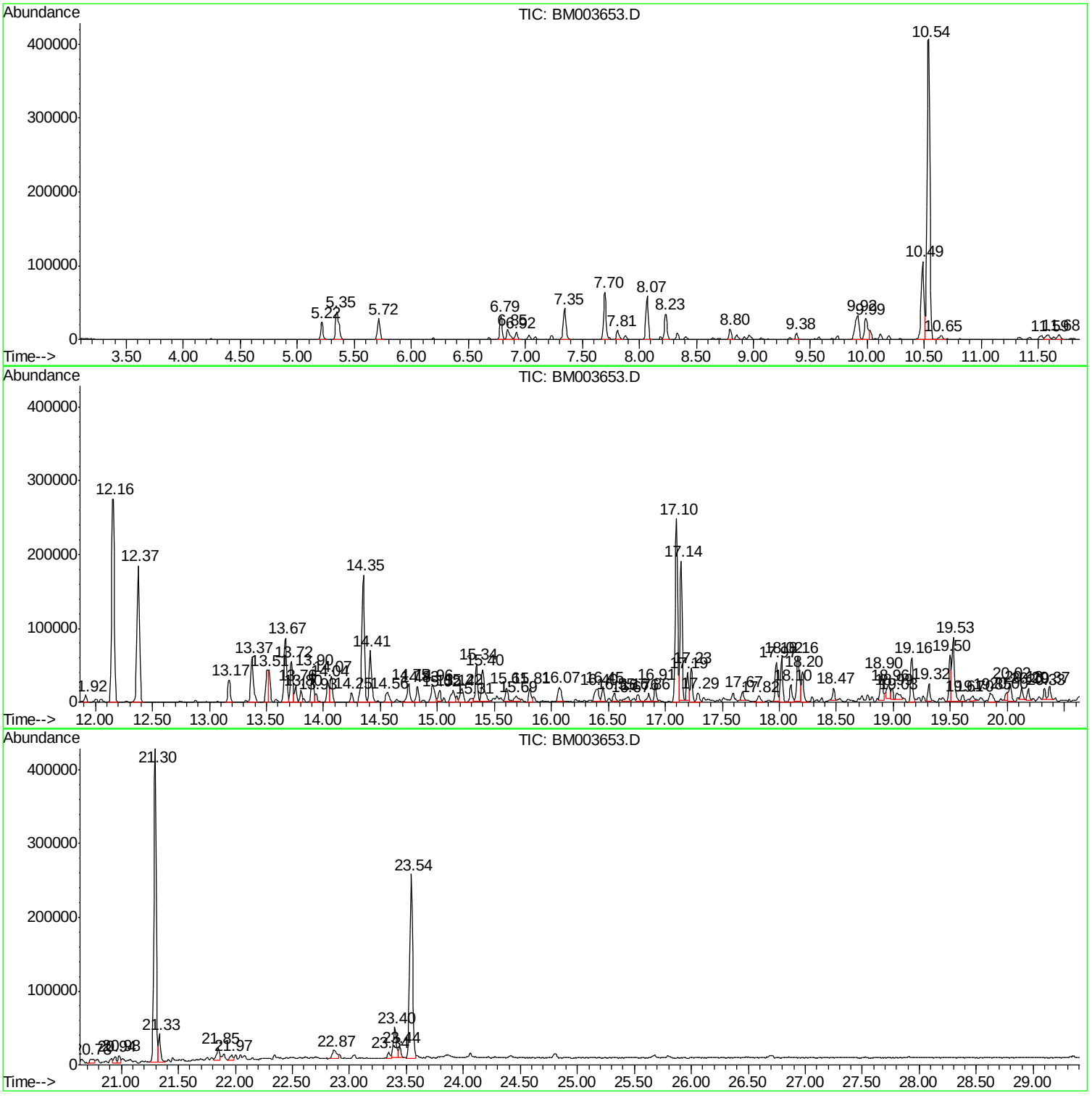
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.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\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

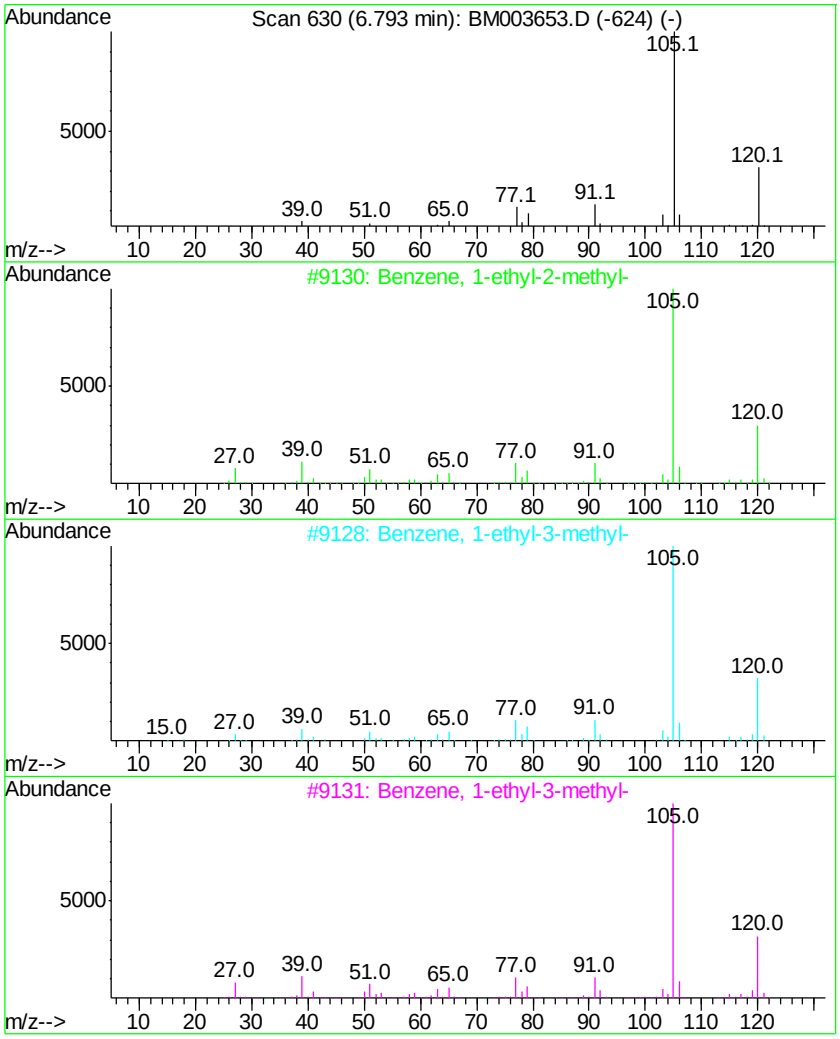
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

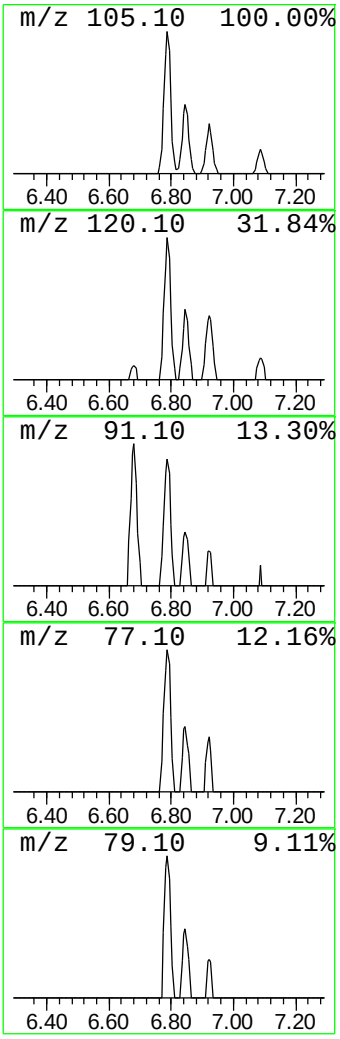
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	8.76 ng/ul	43998	1,4-Dichlorobenzene-d4	7.70

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-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

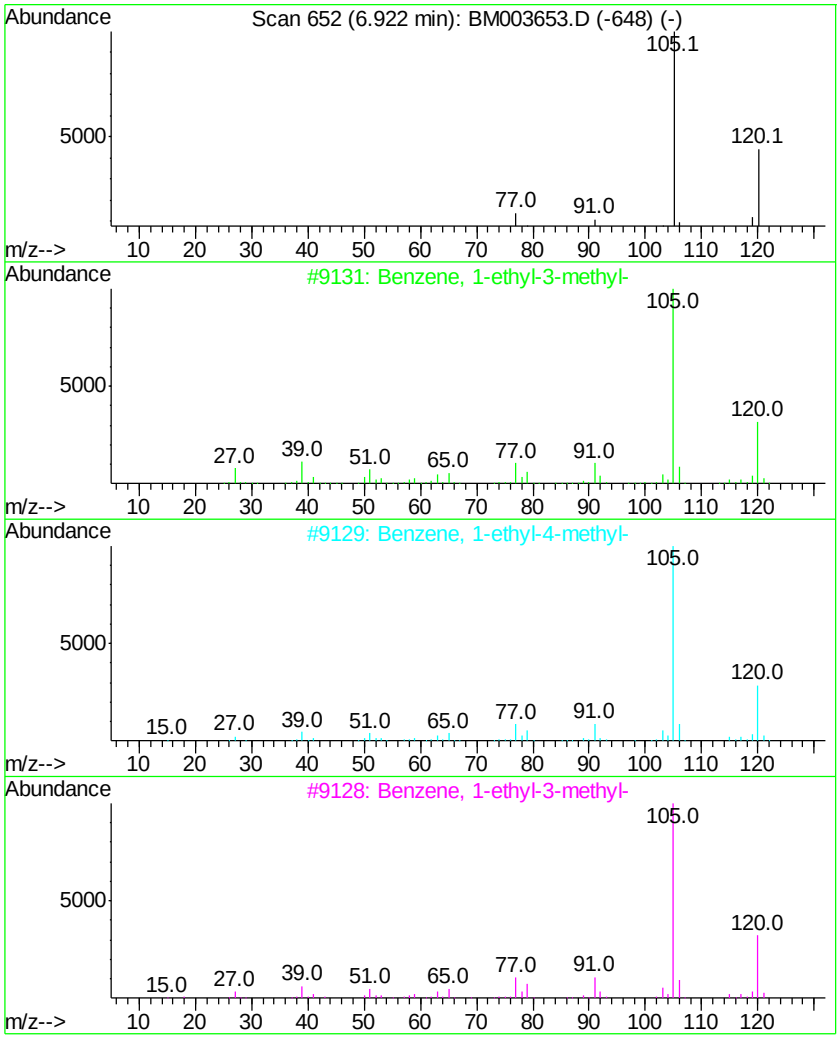
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

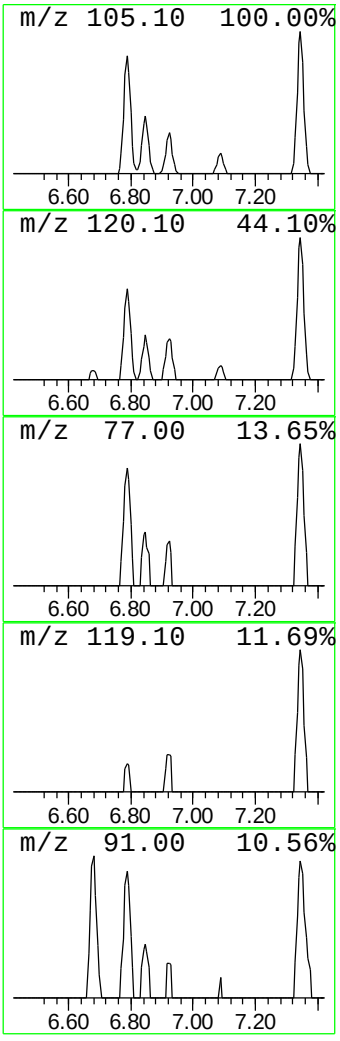
****

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	2.68 ng/ul	13453	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	86
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

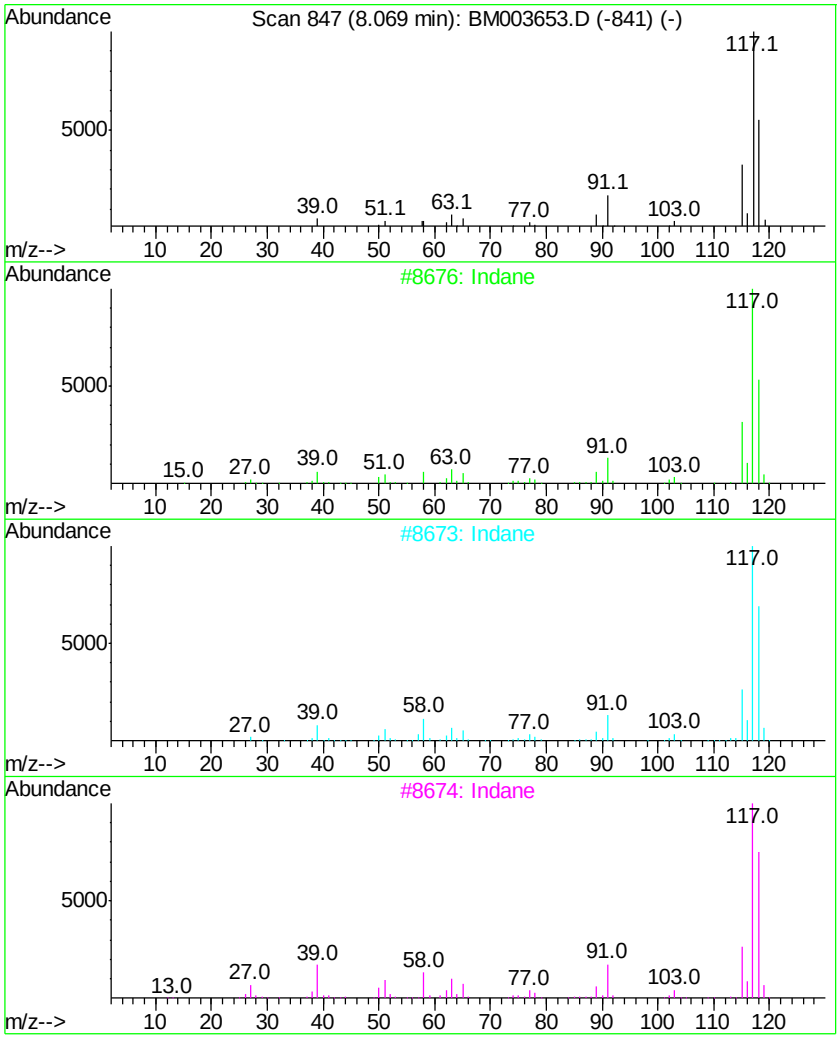
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

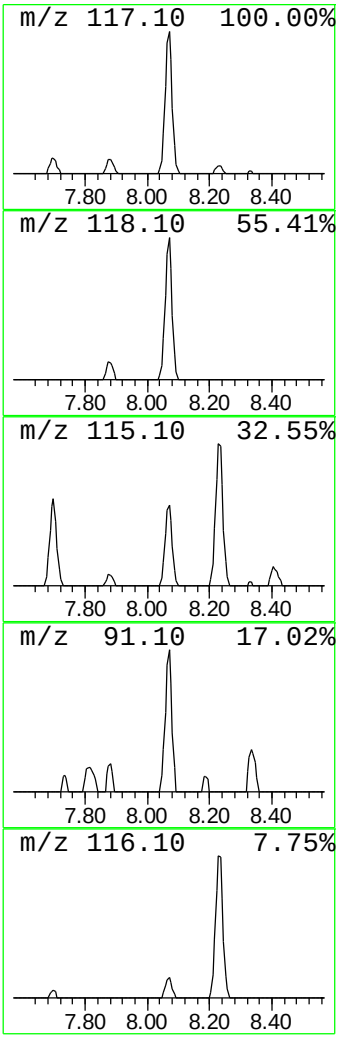
****

Peak Number 8 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.07	17.43 ng/ul	87575	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	91
4	Deltacyclene	118	C9H10	007785-10-6	72
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

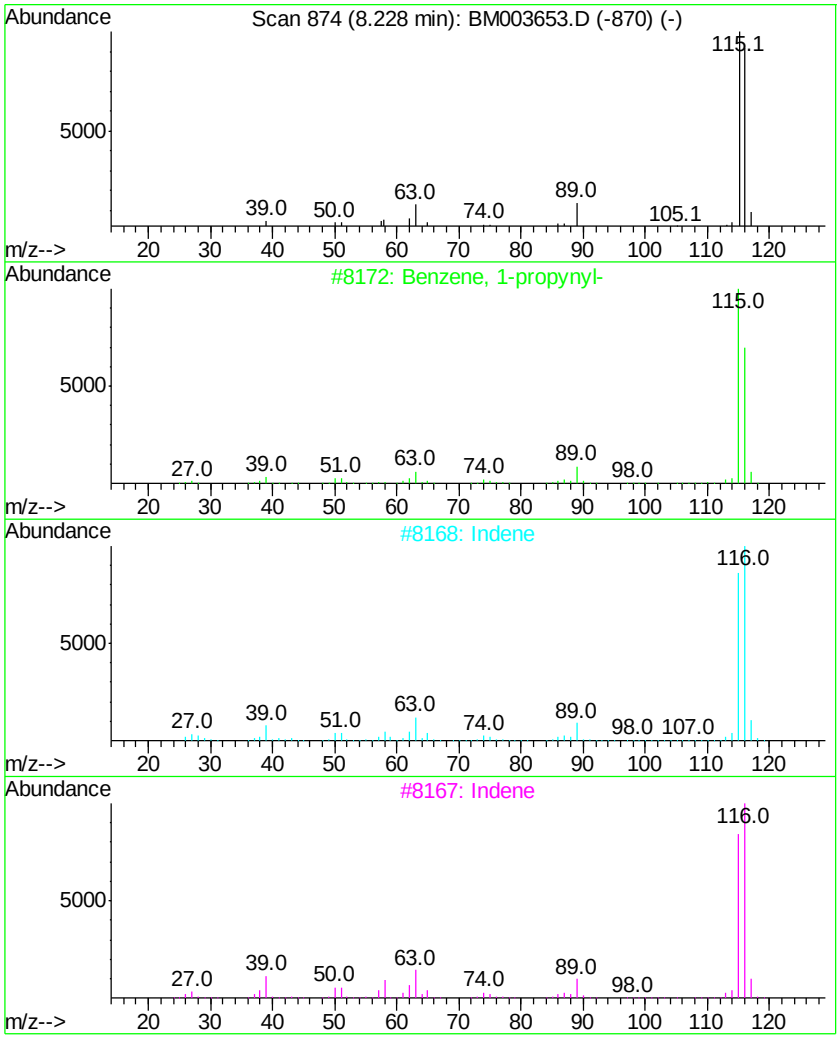
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

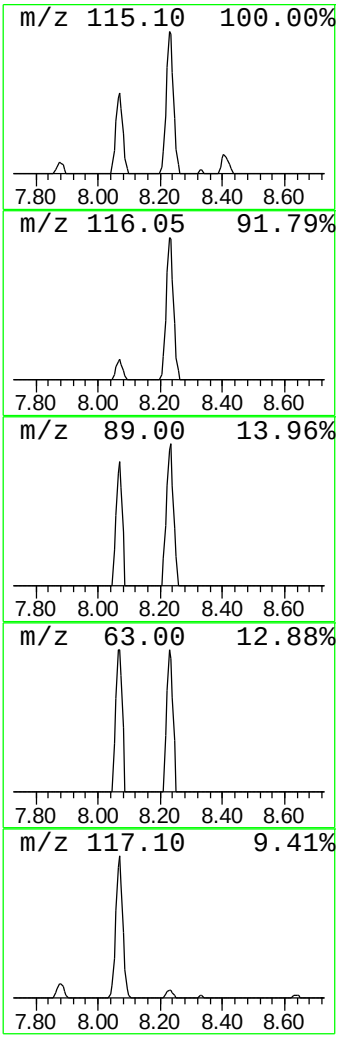
****

Peak Number 9 Benzene, 1-propynyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	10.53 ng/ul	52934	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
2	Indene	116	C9H8	000095-13-6	91
3	Indene	116	C9H8	000095-13-6	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

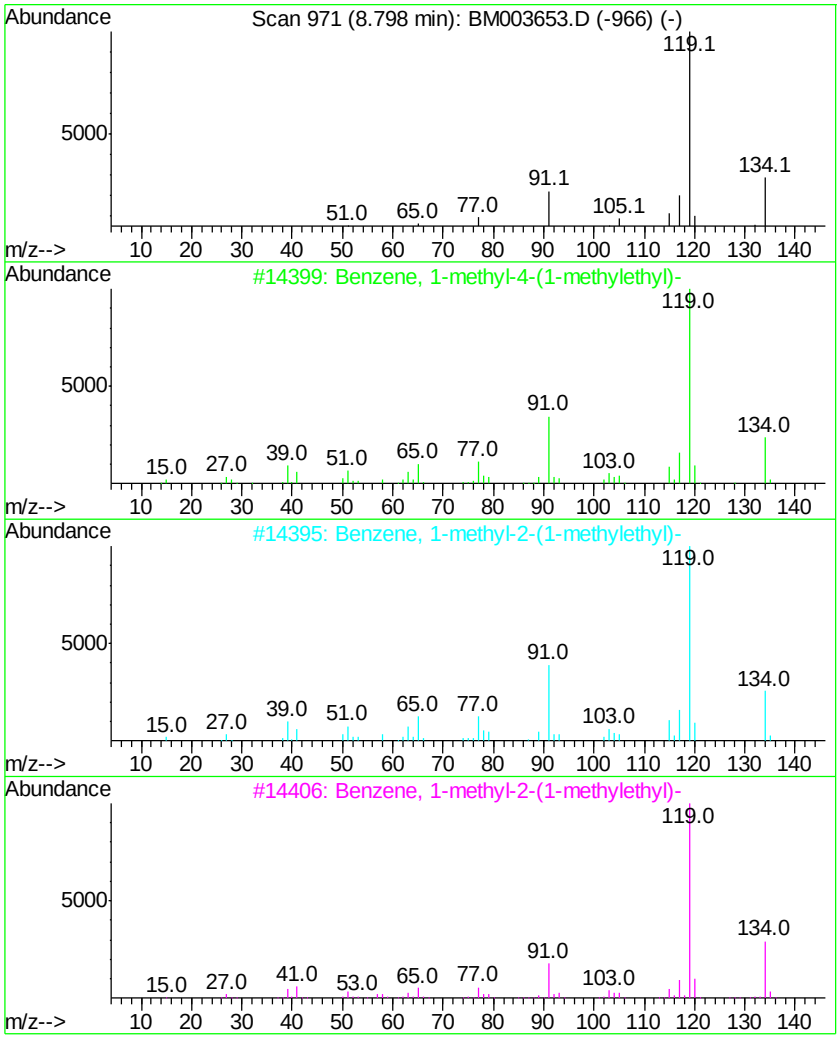
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

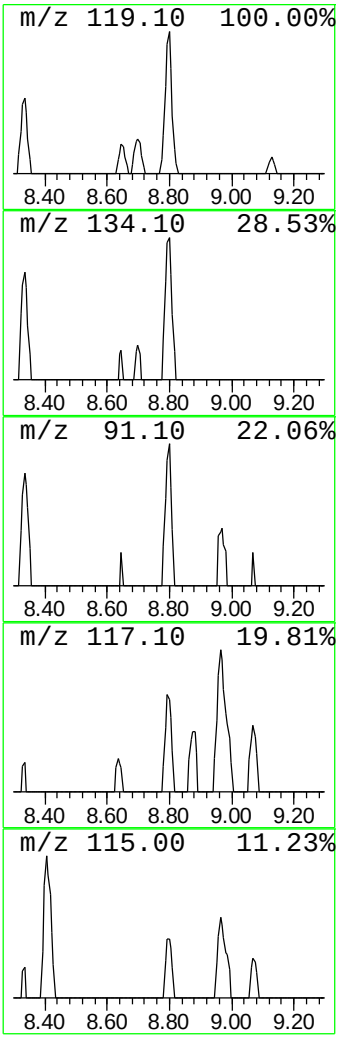
****

Peak Number 10 Benzene, 1-methyl-4-(1-meth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	3.93 ng/ul	19724	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	86
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	83
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	80
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	80
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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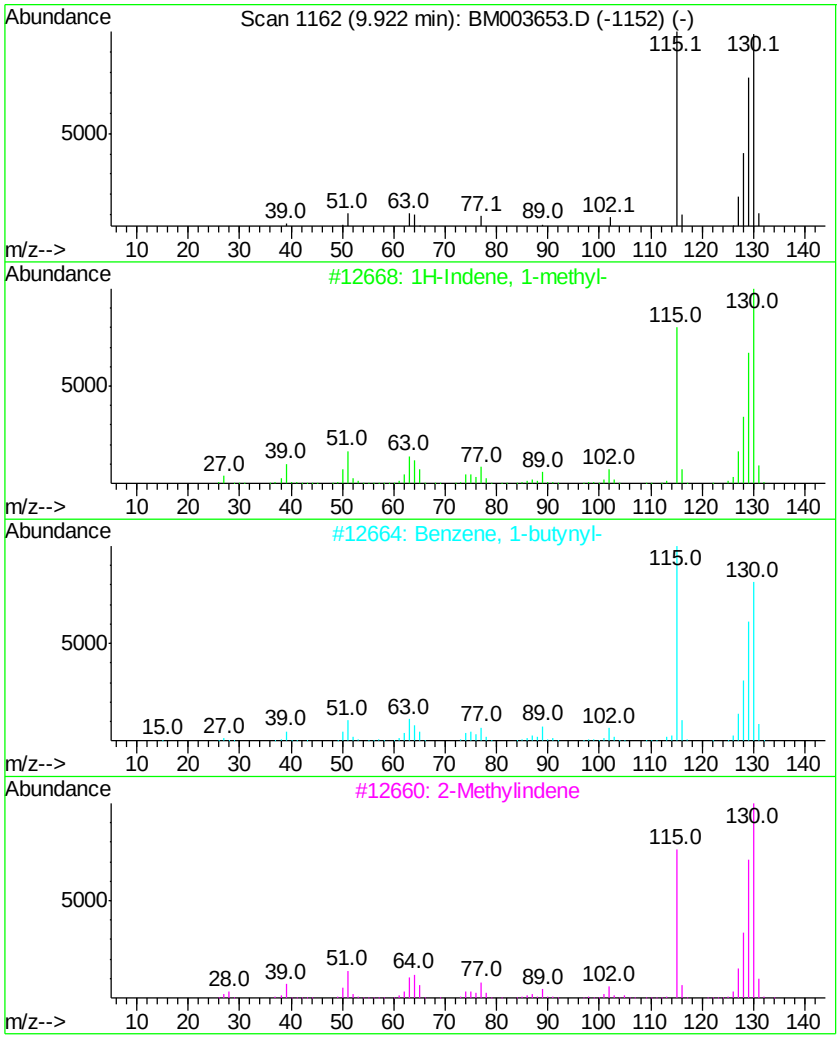
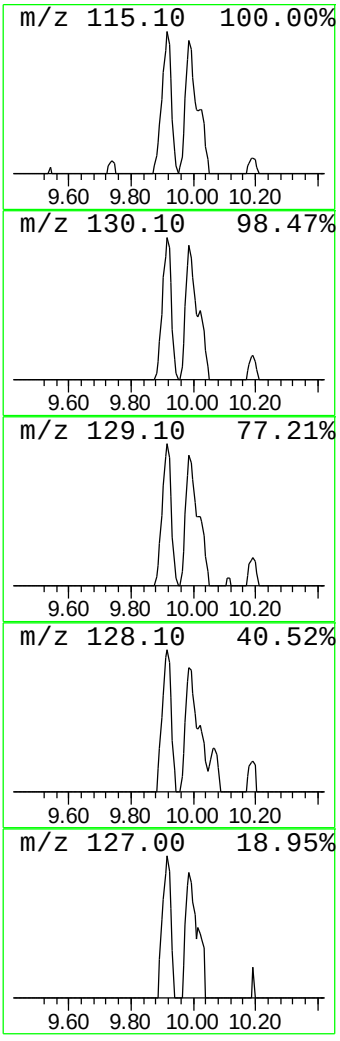
Peak Number 11 1H-Indene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	8.89 ng/ul	80650	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	91
3	2-Methylindene	130	C10H10	002177-47-1	87
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	87
5	2-Methylindene	130	C10H10	002177-47-1	87





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Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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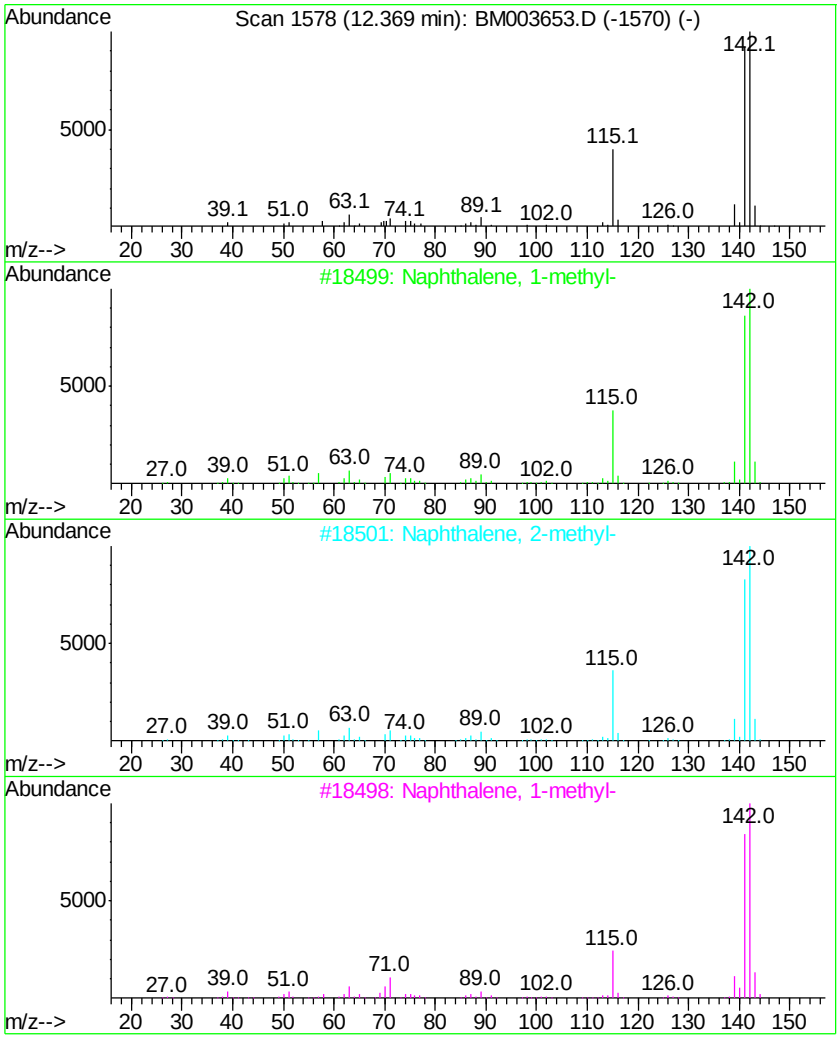
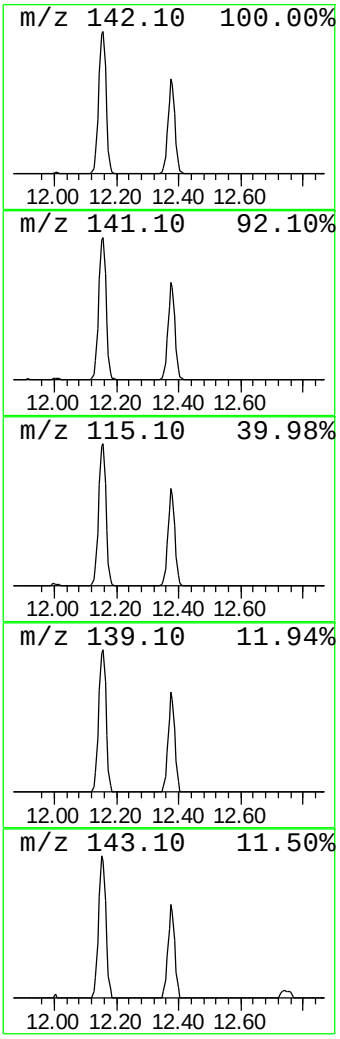
Peak Number 13 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	32.00 ng/ul	290326	Naphthalene-d8	10.49

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





Library Search Compound Report

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Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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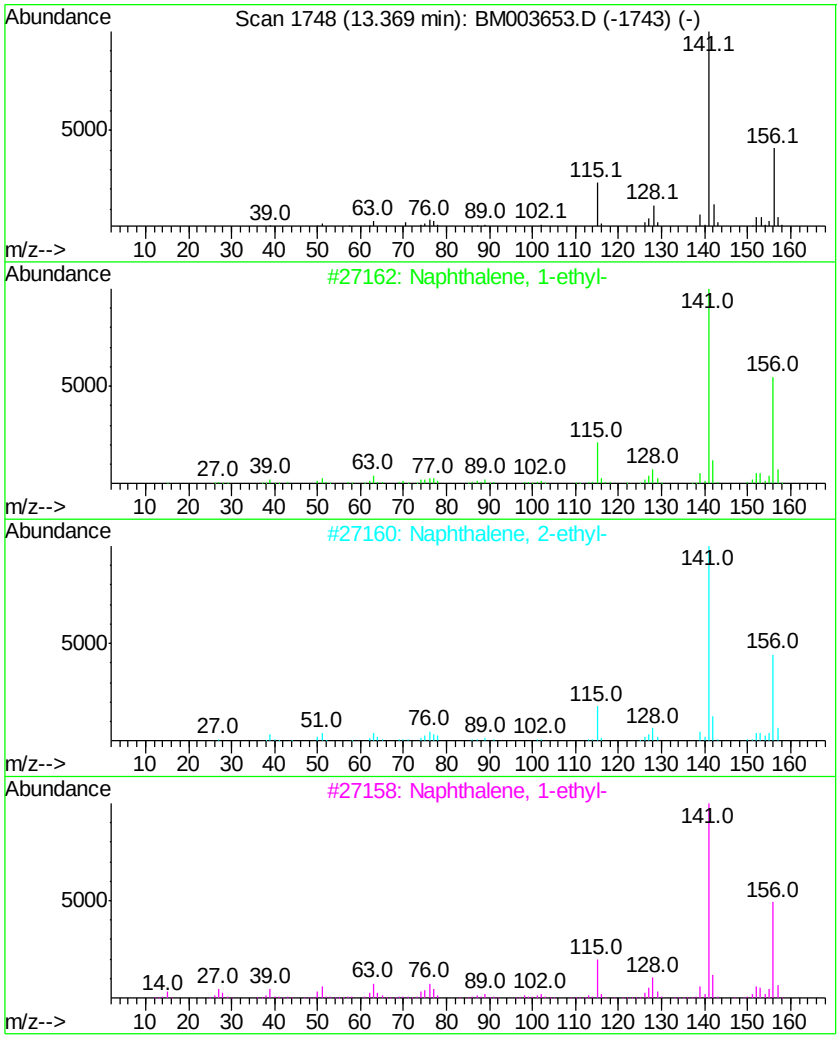
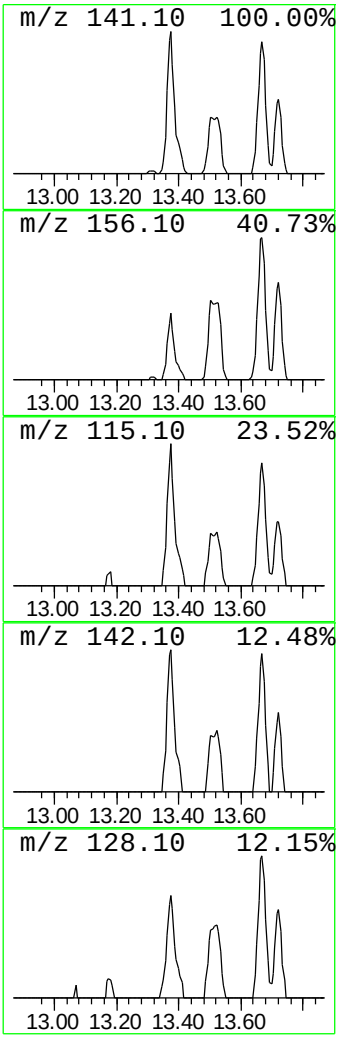
Peak Number 14 Naphthalene, 1-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	7.32 ng/ul	102715	Acenaphthene-d10	14.35

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





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Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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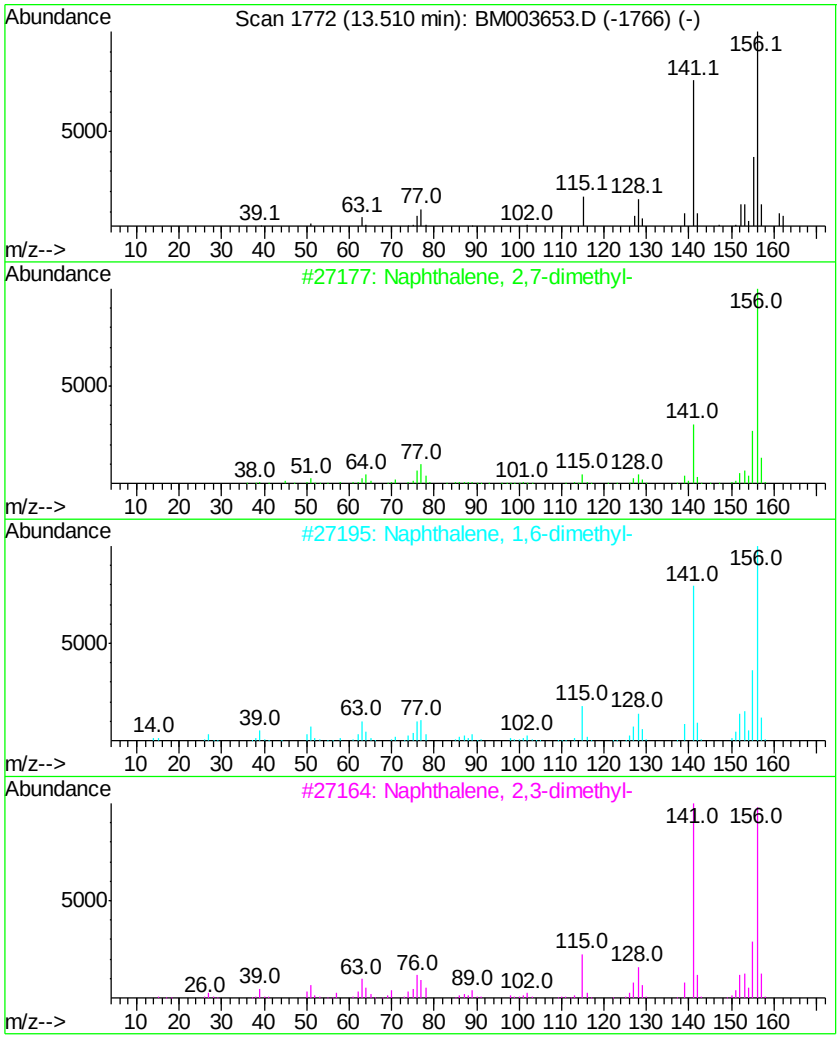
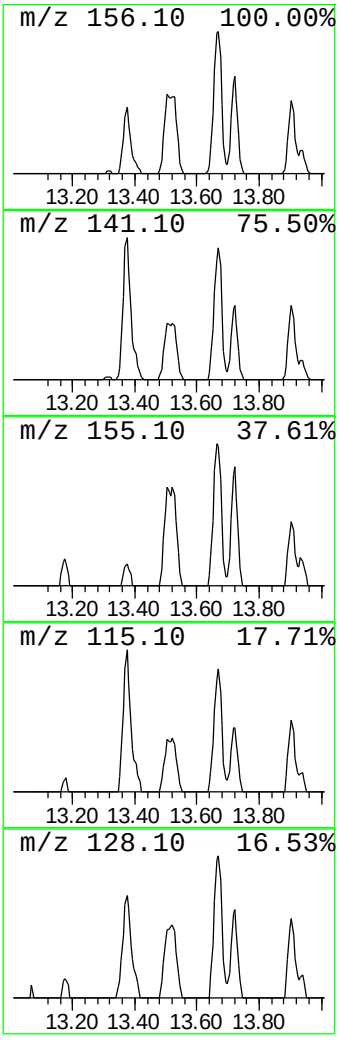
Peak Number 15 Naphthalene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	4.76 ng/ul	66855	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





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Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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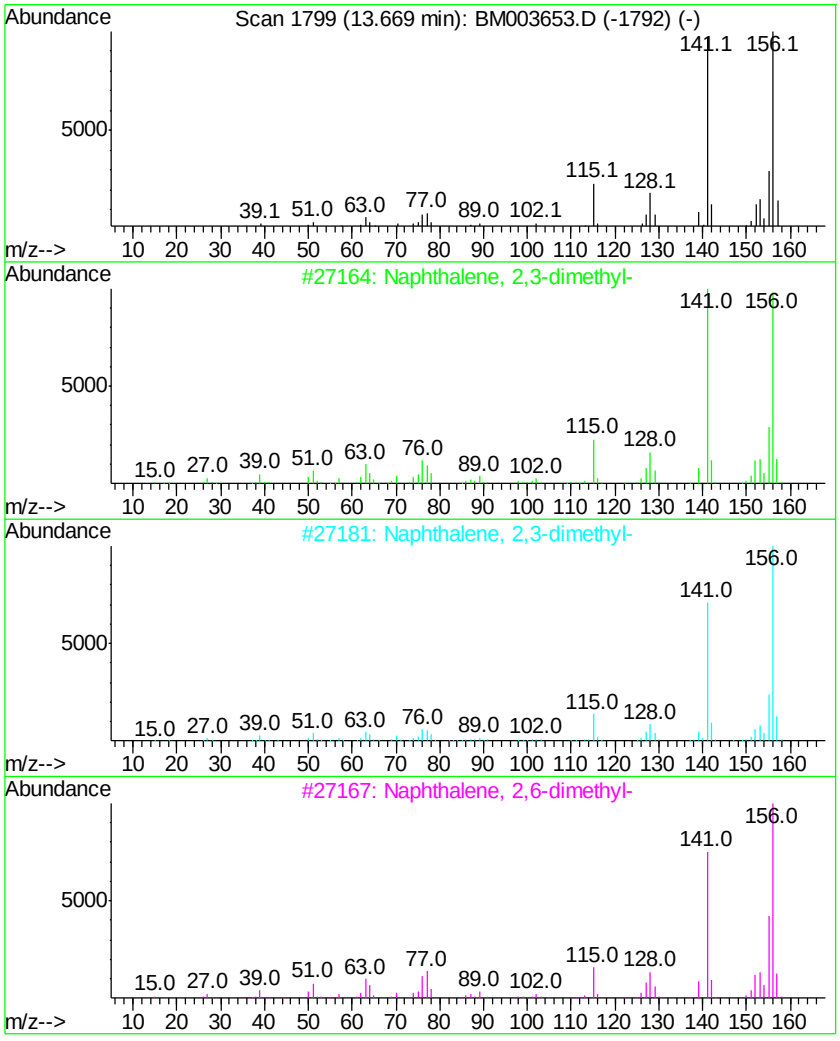
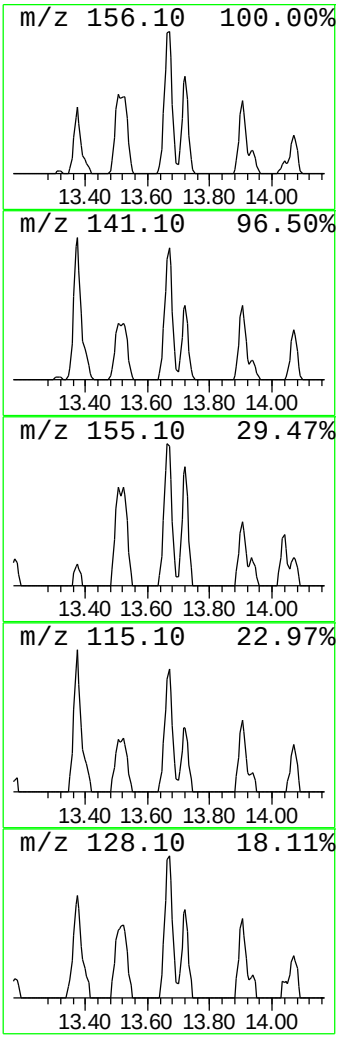
Peak Number 16 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	10.63 ng/ul	149185	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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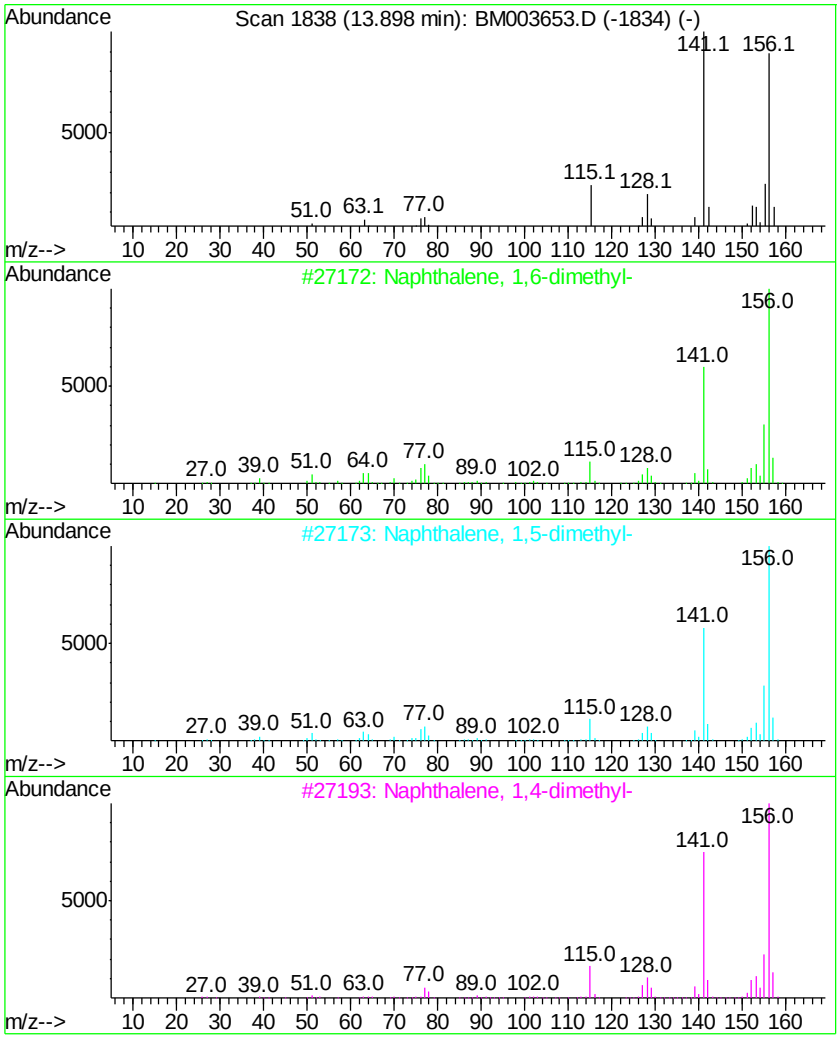
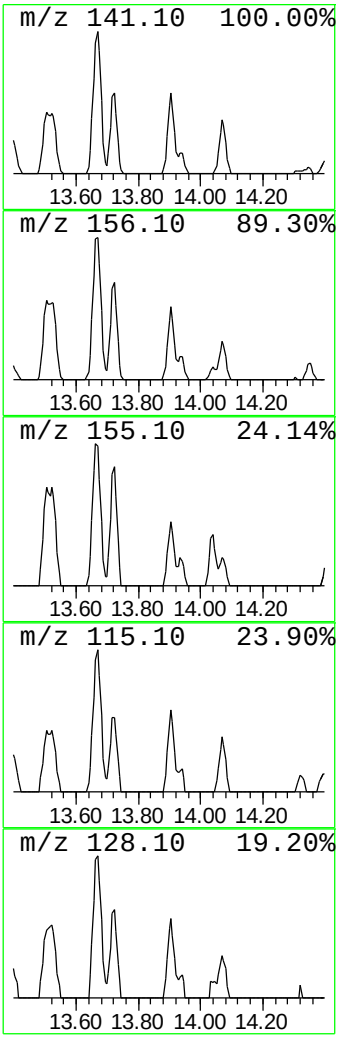
Peak Number 17 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	4.55 ng/ul	63915	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Library Search Compound Report

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Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

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Quant Title : SVOA CALIBRATION

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

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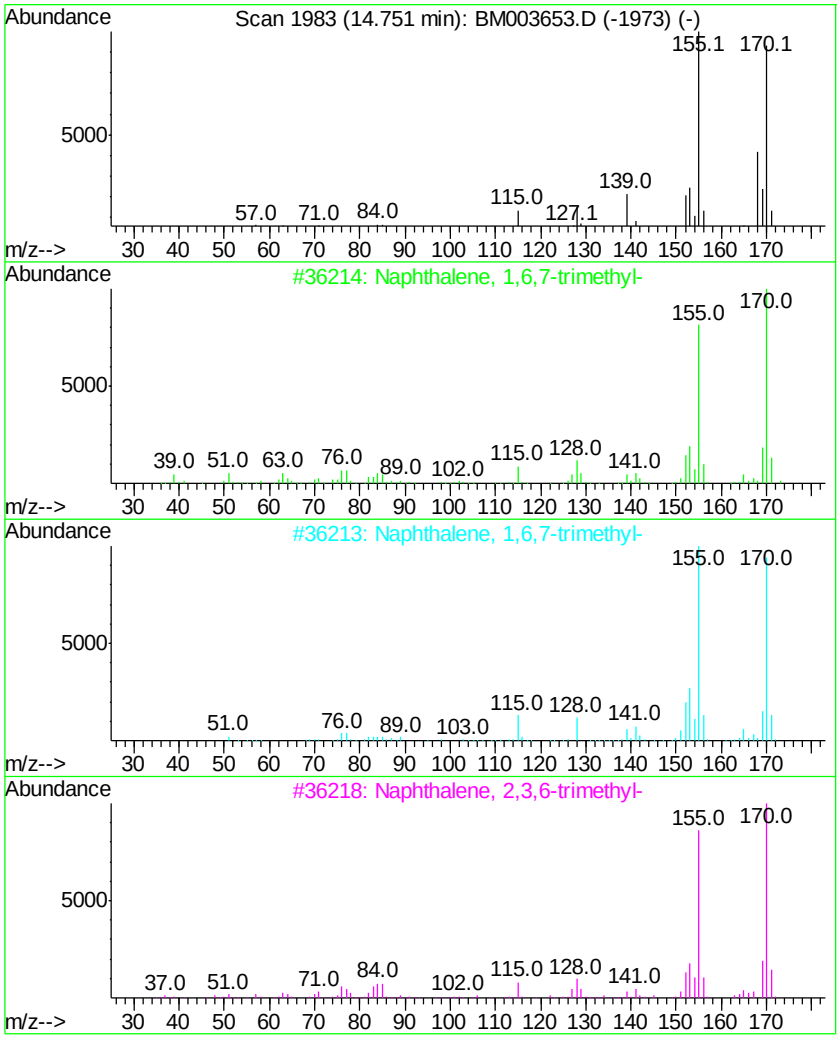
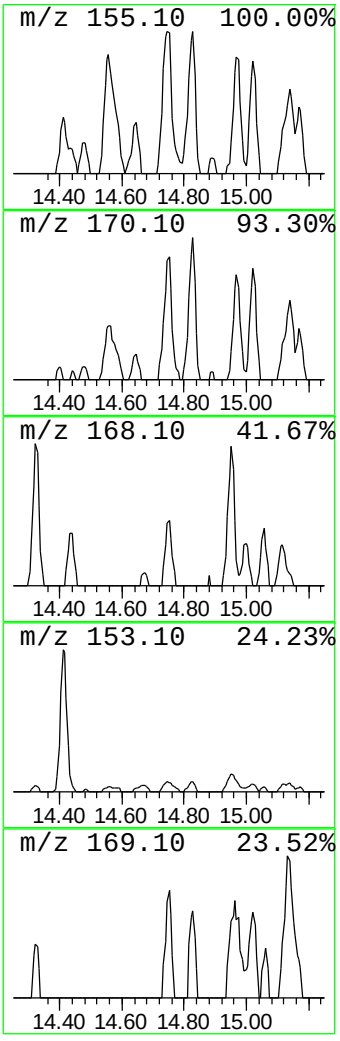
Peak Number 18 Naphthalene, 1,6,7-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	3.33 ng/ul	46772	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





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Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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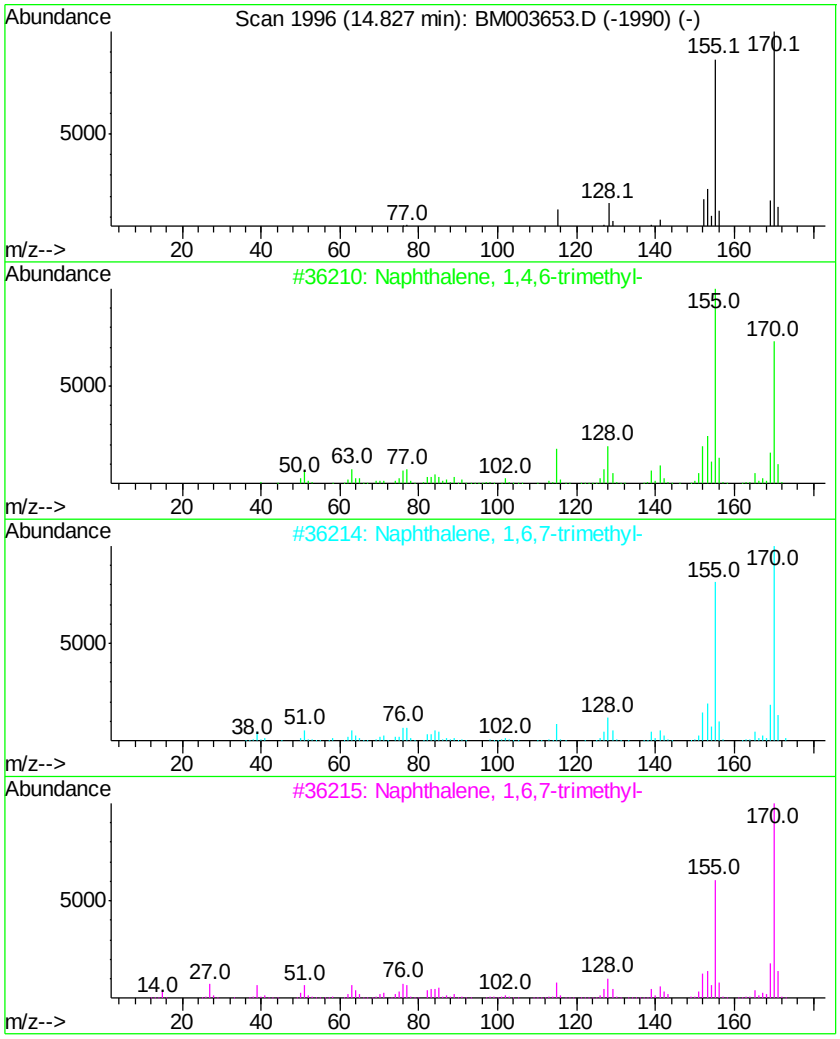
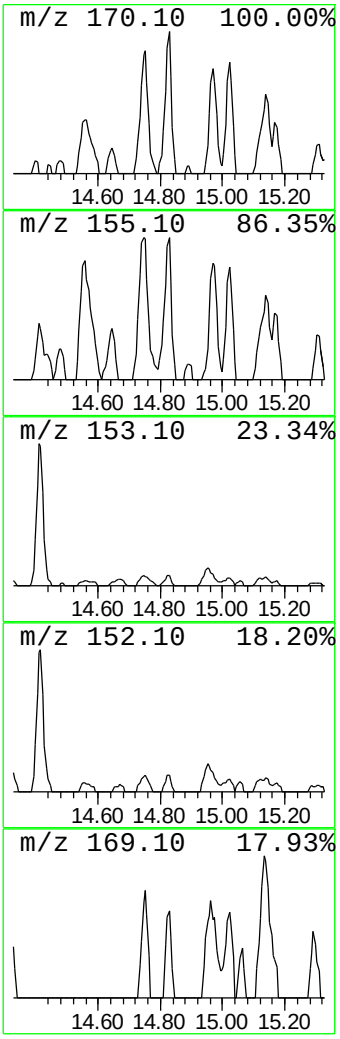
Peak Number 19 Naphthalene, 1,4,6-trimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	2.10 ng/ul	29501	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96





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Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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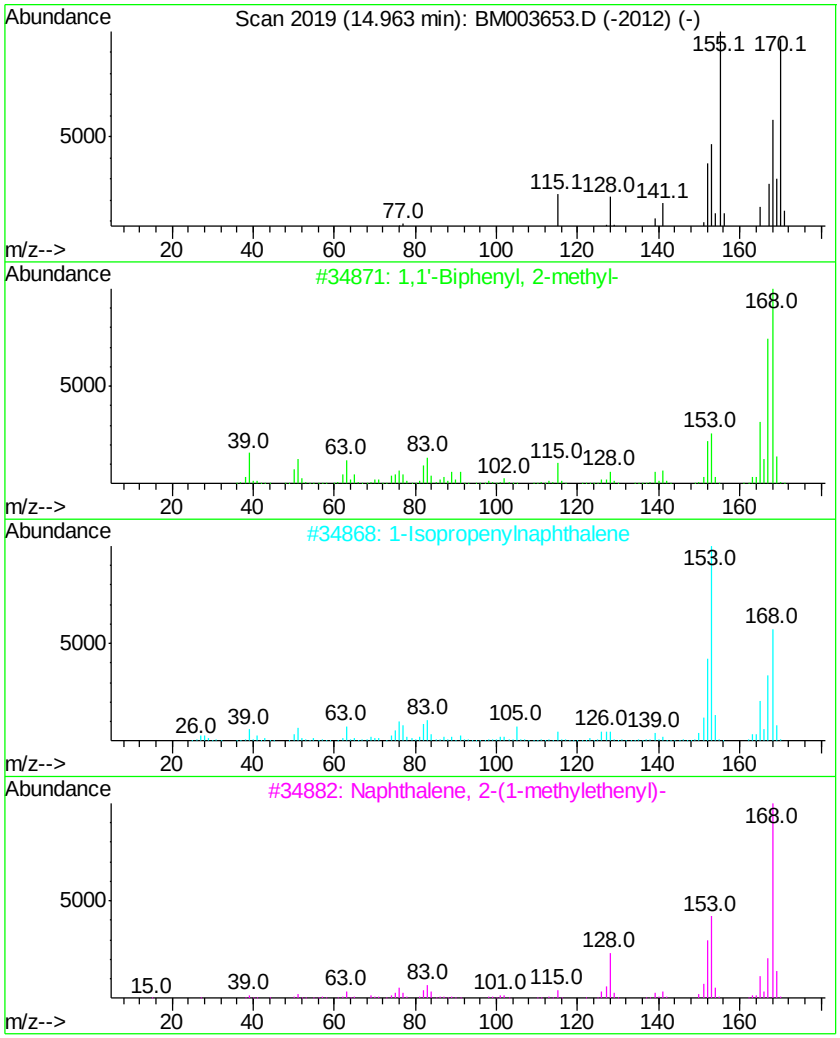
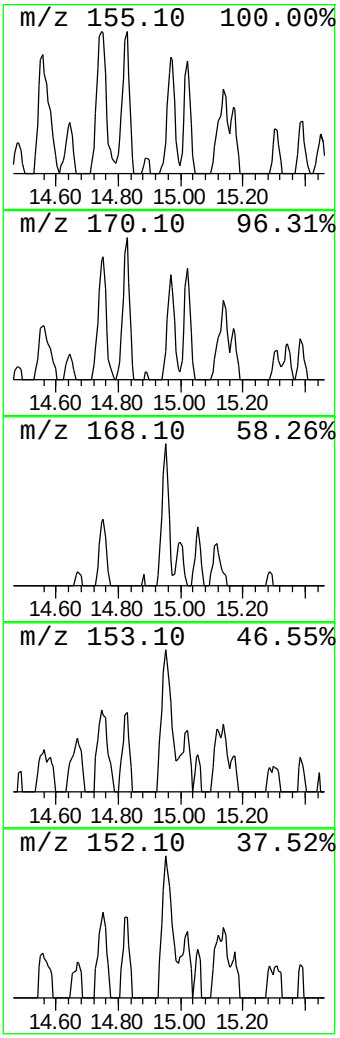
Peak Number 20 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	3.76 ng/ul	52718	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	46
3	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	43
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43
5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	38





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Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

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Quant Title : SVOA CALIBRATION

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

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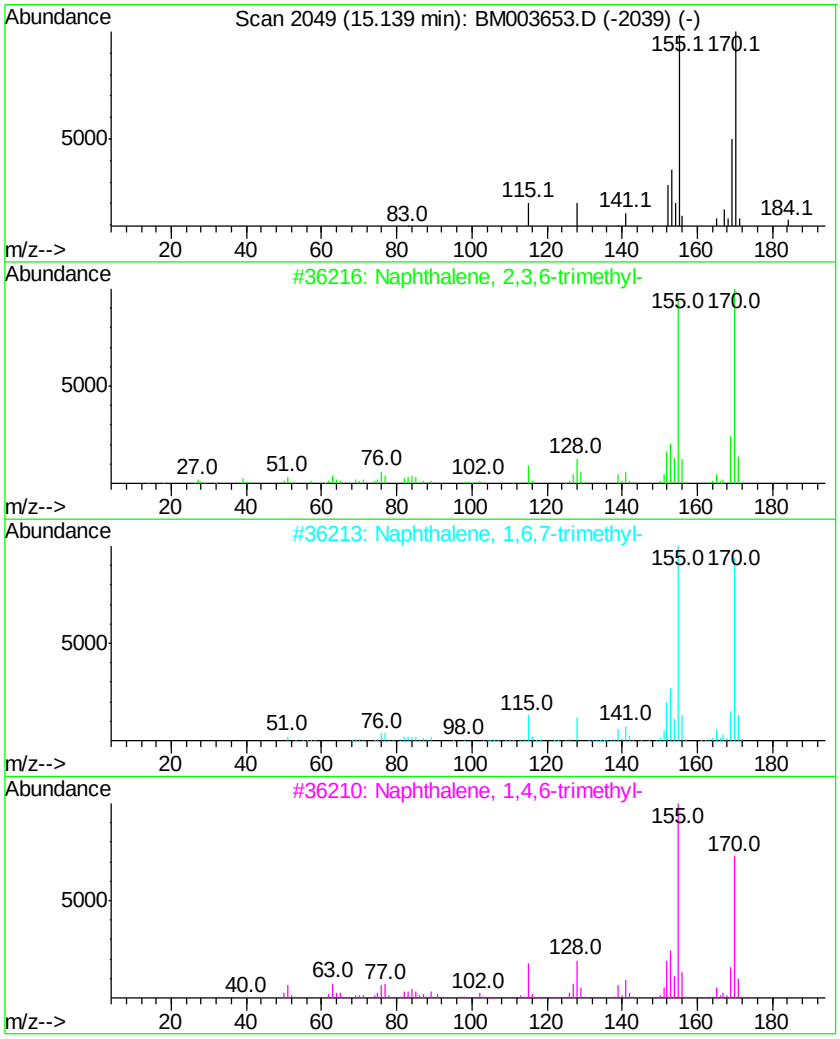
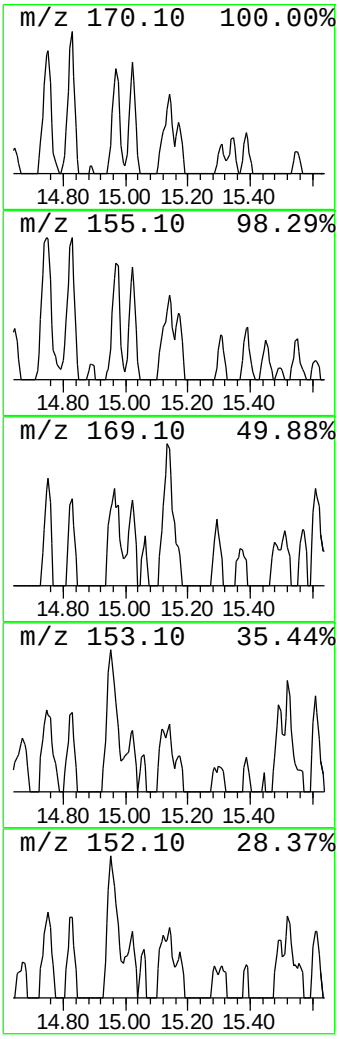
Peak Number 21 Naphthalene, 2,3,6-trimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	2.51 ng/ul	35191	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	81
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	81
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	81
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	81





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Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

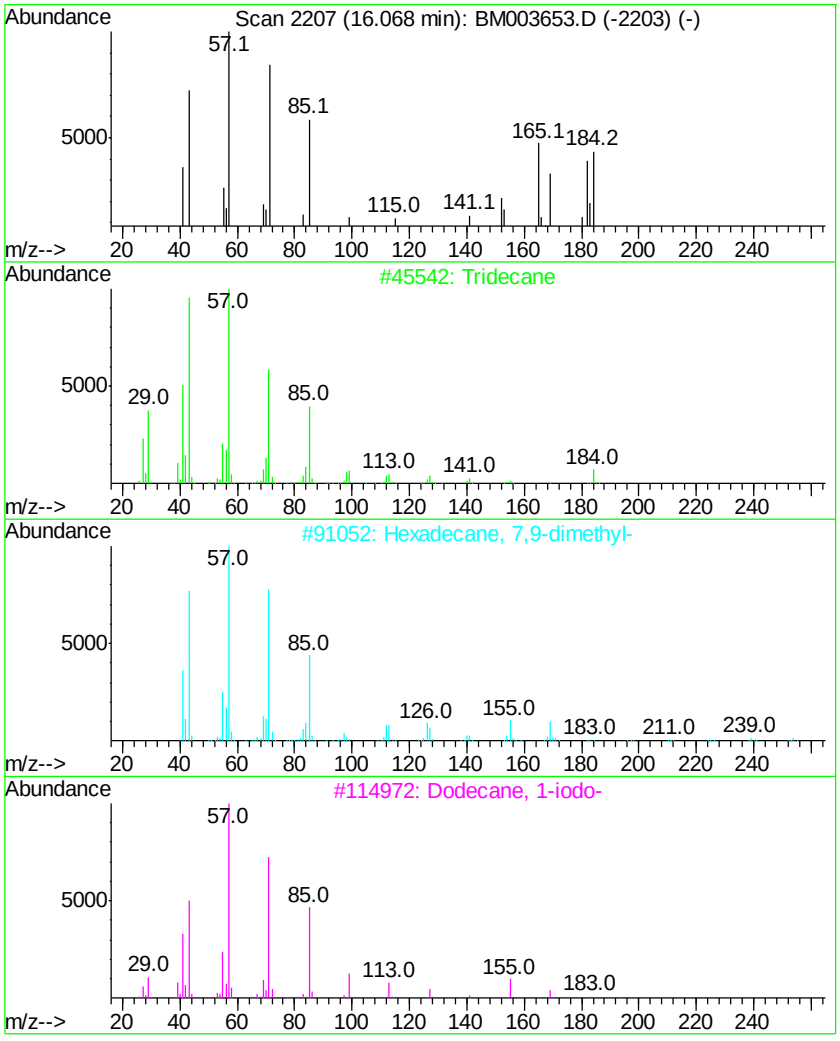
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

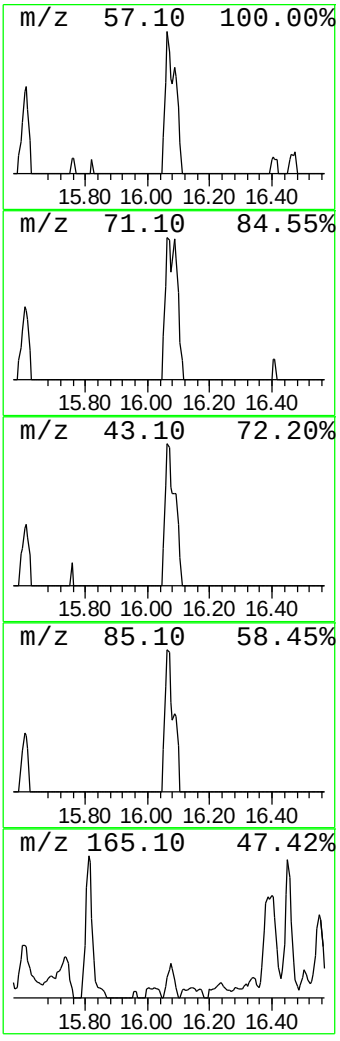
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	2.28 ng/ul	40470	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	43
2	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	27
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	27
4	4-Pentadecanone	226	C15H30O	000925-51-9	27
5	Tridecane	184	C13H28	000629-50-5	27





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Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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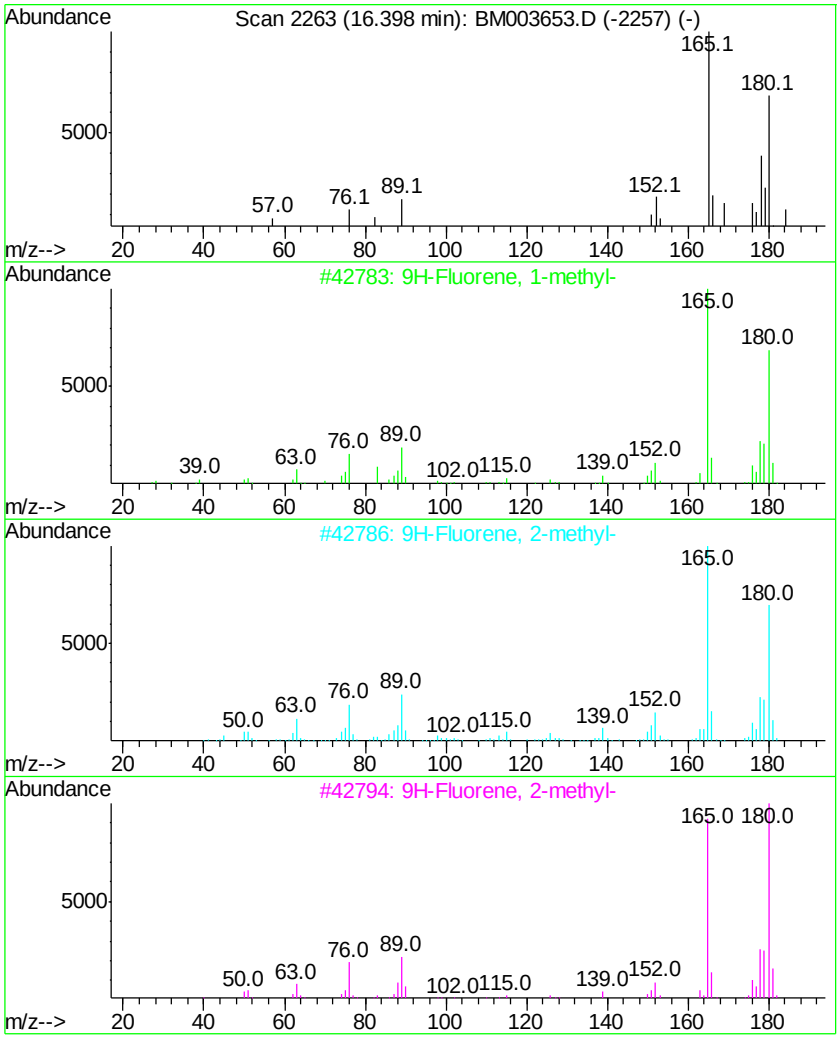
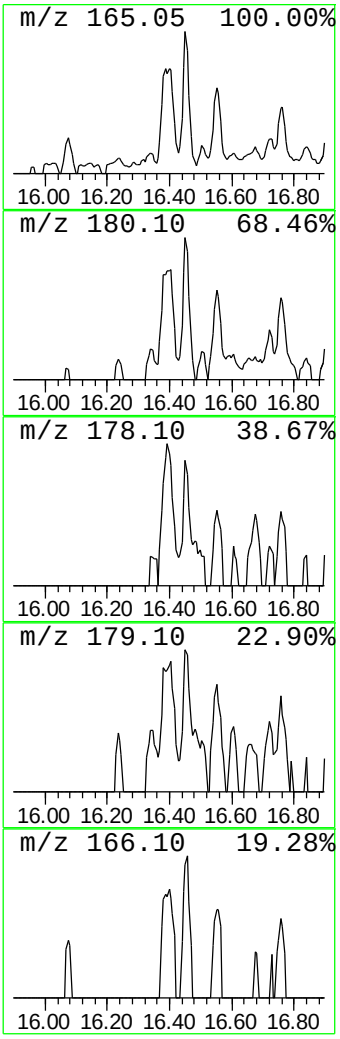
Peak Number 24 9H-Fluorene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	2.23 ng/ul	39543	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	62
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	62
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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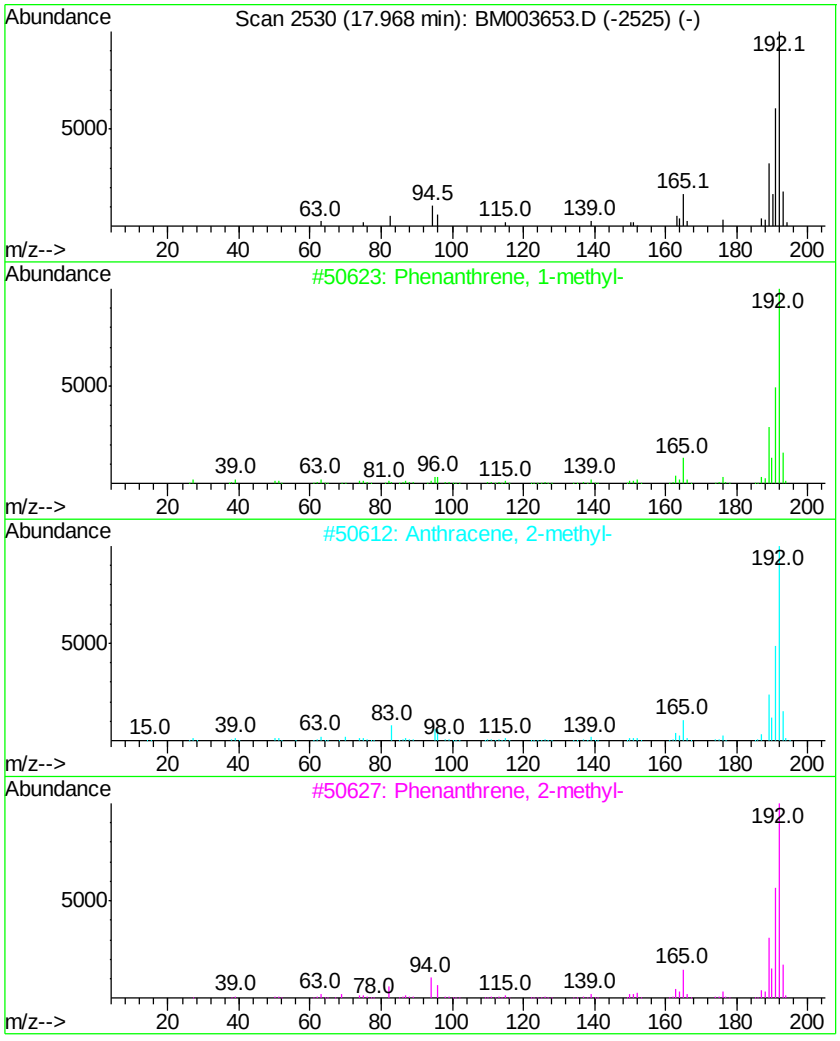
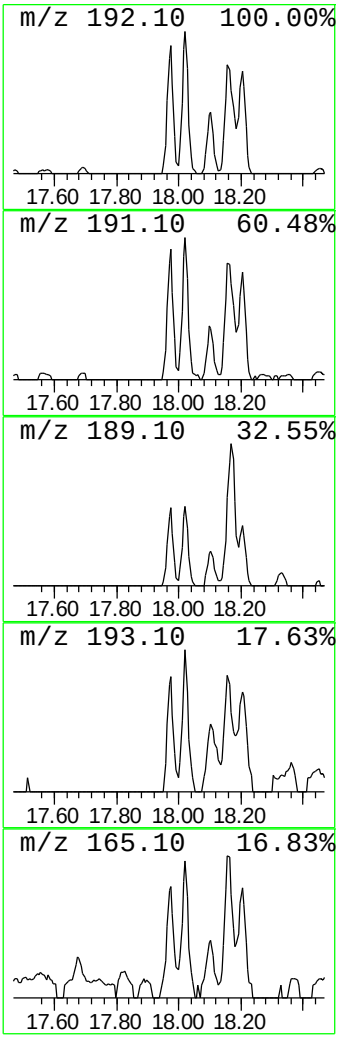
Peak Number 25 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	4.09 ng/ul	72428	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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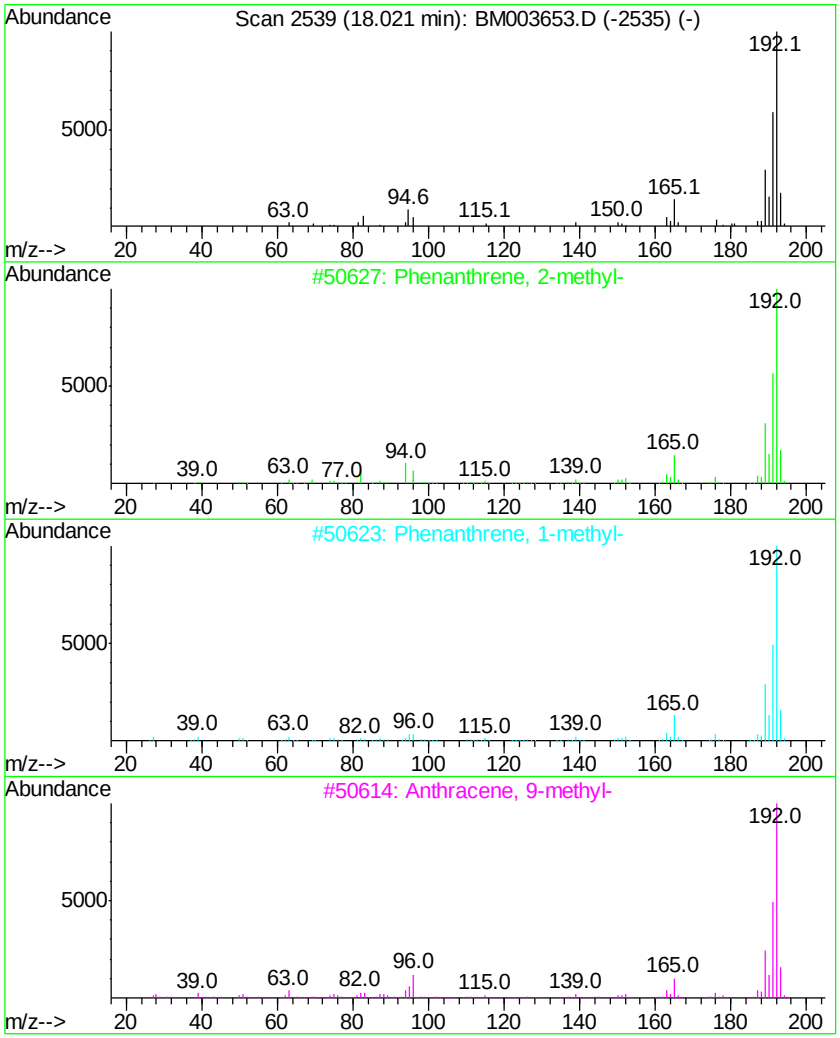
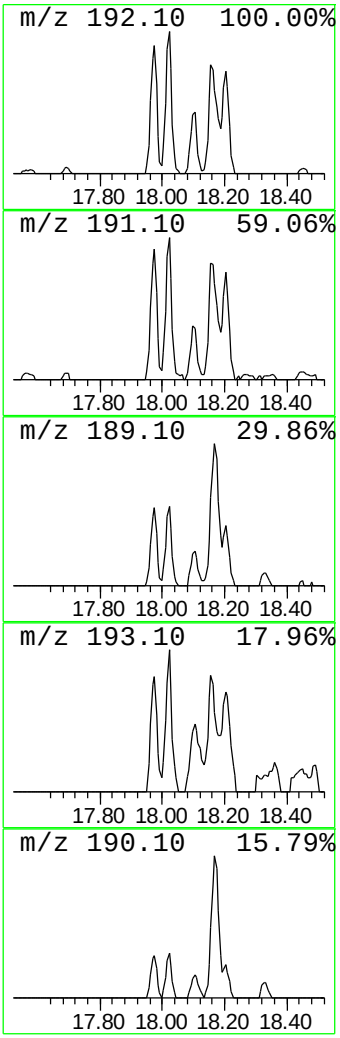
Peak Number 26 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	4.42 ng/ul	78331	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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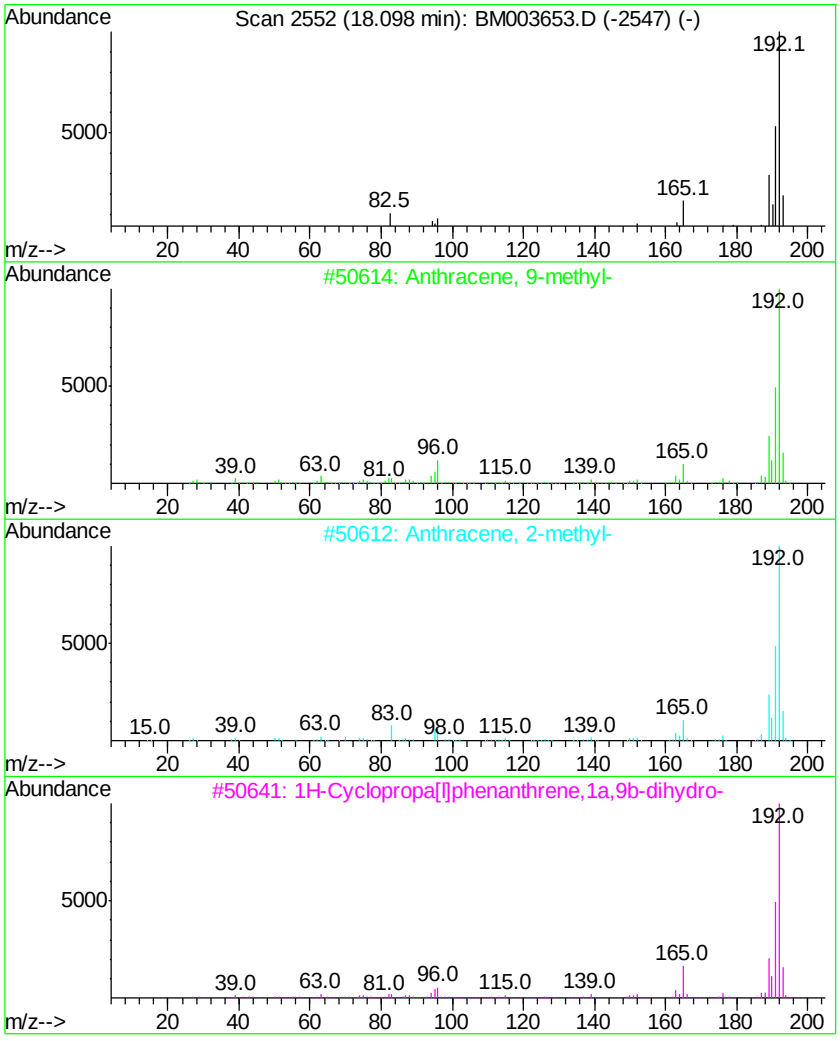
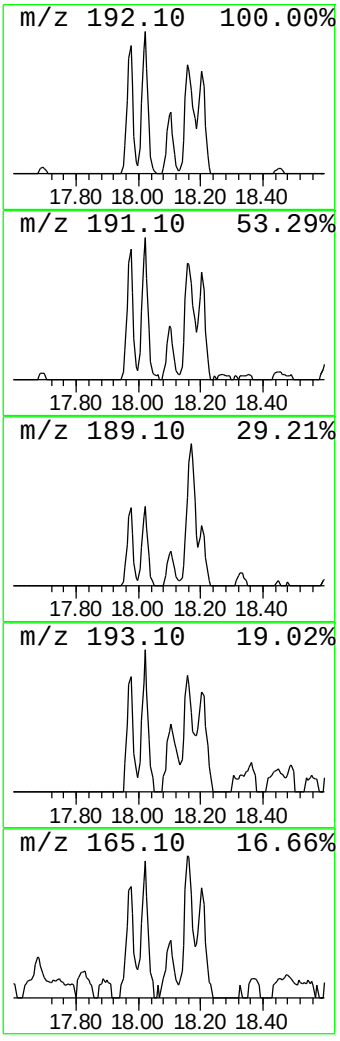
Peak Number 27 Anthracene, 9-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	2.08 ng/ul	36899	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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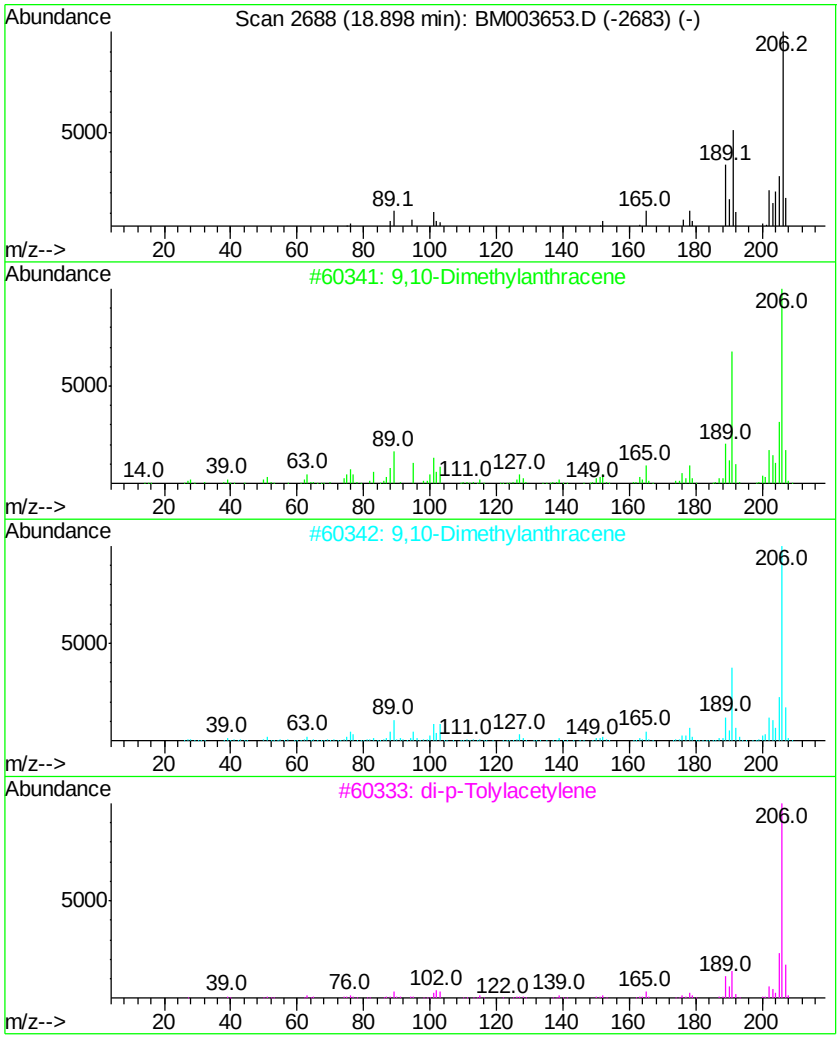
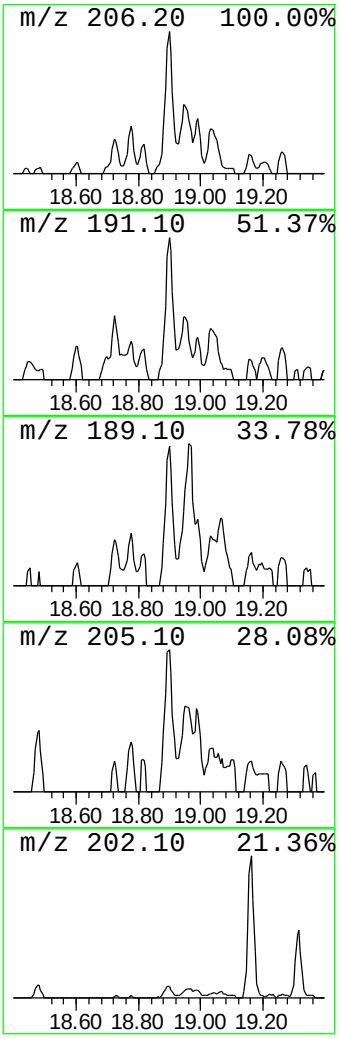
Peak Number 30 9,10-Dimethylanthracene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	3.56 ng/ul	63032	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122015\
Data File : BM003653.D
Acq On : 20 Dec 2015 14:18
Operator : UM/SJ
Sample : G4801-15DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C63DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.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-ethyl-...	6.79	8.8	ng/ul	43998	1	7.70	100497	20.0
Benzene, 1-ethyl-...	6.92	2.7	ng/ul	13453	1	7.70	100497	20.0
Indane	8.07	17.4	ng/ul	87575	1	7.70	100497	20.0
Benzene, 1-propynyl-	8.23	10.5	ng/ul	52934	1	7.70	100497	20.0
Benzene, 1-methyl...	8.80	3.9	ng/ul	19724	1	7.70	100497	20.0
1H-Indene, 1-methyl-	9.92	8.9	ng/ul	80650	2	10.49	181438	20.0
Naphthalene, 1-me...	12.37	32.0	ng/ul	290326	2	10.49	181438	20.0
Naphthalene, 1-et...	13.37	7.3	ng/ul	102715	3	14.35	280671	20.0
Naphthalene, 2,7-...	13.51	4.8	ng/ul	66855	3	14.35	280671	20.0
Naphthalene, 2,3-...	13.67	10.6	ng/ul	149185	3	14.35	280671	20.0
Naphthalene, 1,6-...	13.90	4.5	ng/ul	63915	3	14.35	280671	20.0
Naphthalene, 1,6,...	14.75	3.3	ng/ul	46772	3	14.35	280671	20.0
Naphthalene, 1,4,...	14.83	2.1	ng/ul	29501	3	14.35	280671	20.0
unknown-01	14.96	3.8	ng/ul	52718	3	14.35	280671	20.0
Naphthalene, 2,3,...	15.14	2.5	ng/ul	35191	3	14.35	280671	20.0
(DEL) Alkane: Str...	16.07	2.3	ng/ul	40470	4	17.10	354530	20.0
9H-Fluorene, 1-me...	16.40	2.2	ng/ul	39543	4	17.10	354530	20.0
Phenanthrene, 1-m...	17.97	4.1	ng/ul	72428	4	17.10	354530	20.0
Phenanthrene, 2-m...	18.02	4.4	ng/ul	78331	4	17.10	354530	20.0
Anthracene, 9-met...	18.10	2.1	ng/ul	36899	4	17.10	354530	20.0
9,10-Dimethylanth...	18.90	3.6	ng/ul	63032	4	17.10	354530	20.0