LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122015\
Data File : BM003654.D
Acq On : 20 Dec 2015 14:53
Operator : UM/SJ
Sample : G4801-16DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C64DL

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	367	rBB	7991	10667	1.75%	0.187%
2	5.346	380	384	392	rBB	11268	22739	3.73%	0.399%
3	5.711	441	446	451	rBB	9337	12890	2.12%	0.226%
4	6.787	625	629	634	rBB	6332	7919	1.30%	0.139%
5	6.869	635	643	649	rBV2	10504	18108	2.97%	0.318%
6	7.034	666	671	676	rBB	9798	14266	2.34%	0.250%
7	7.228	700	704	709	rBB	10426	14934	2.45%	0.262%
8	7.346	719	724	730	rBB	18182	24879	4.09%	0.436%
9	7.699	778	784	790	rBB	75261	115830	19.02%	2.031%
10	8.069	842	847	852	rBB	16569	23993	3.94%	0.421%
11	8.228	869	874	881	rBB	31015	47354	7.78%	0.831%
12	8.405	900	904	910	rBB	15134	20499	3.37%	0.360%
13	8.852	976	980	986	rBB	10515	16636	2.73%	0.292%
14	9.569	1099	1102	1107	rBB	7088	10167	1.67%	0.178%
15	9.916	1153	1161	1166	rBB3	8478	21814	3.58%	0.383%
16	9.987	1167	1173	1183	rBB	8704	21665	3.56%	0.380%
17	10.110	1190	1194	1200	rBB	13953	21184	3.48%	0.372%
18	10.487	1251	1258	1262	rBV	122461	208062	34.17%	3.649%
19	10.534	1262	1266	1276	rVB	323873	529263	86.92%	9.282%
20	10.628	1277	1282	1291	rBB2	9918	19571	3.21%	0.343%
21	12.151	1535	1541	1548	rBB	175934	269994	44.34%	4.735%
22	12.375	1571	1579	1586	rBB	108688	167122	27.45%	2.931%
23	13.175	1711	1715	1720	rBB	14881	19656	3.23%	0.345%
24	13.375	1744	1749	1757	rBB	17487	27866	4.58%	0.489%
25	13.669	1793	1799	1804	rBV	45331	72193	11.86%	1.266%
26	13.722	1804	1808	1811	rVV	28220	38441	6.31%	0.674%
27	13.757	1811	1814	1818	rVV	42510	53172	8.73%	0.933%
28	13.804	1818	1822	1829	rVB	27319	35818	5.88%	0.628%
29	13.904	1835	1839	1843	rBV	21370	29898	4.91%	0.524%
30	14.039	1857	1862	1865	rBV	47536	66757	10.96%	1.171%
31	14.069	1865	1867	1872	rVB	21208	24813	4.08%	0.435%
32	14.351	1907	1915	1921	rBV2	196347	305172	50.12%	5.352%
33	14.410	1921	1925	1933	rVB2	18875	30028	4.93%	0.527%
34	14.563	1945	1951	1958	rBB	11362	19645	3.23%	0.345%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122015\
Data File : BM003654.D
Acq On : 20 Dec 2015 14:53
Operator : UM/SJ
Sample : G4801-16DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C64DL

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	14.751	1977	1983	1988	rBB	11315	16811	2.76%	0.295%
36	14.828	1989	1996	2001	rBB2	9299	12279	2.02%	0.215%
37	14.963	2013	2019	2024	rBV2	7709	16158	2.65%	0.283%
38	15.022	2024	2029	2033	rVV	7455	8713	1.43%	0.153%
39	15.139	2043	2049	2052	rBV3	5232	10116	1.66%	0.177%
40	15.222	2057	2063	2067	rVB2	4513	7727	1.27%	0.136%
41	15.345	2079	2084	2089	rVV	72369	97752	16.05%	1.714%
42	15.398	2089	2093	2102	rVB2	27392	41282	6.78%	0.724%
43	15.610	2124	2129	2135	rBV4	6642	10072	1.65%	0.177%
44	15.692	2138	2143	2147	rBV2	3385	6193	1.02%	0.109%
45	15.810	2159	2163	2167	rBV2	6264	8639	1.42%	0.152%
46	16.075	2204	2208	2214	rBB3	5387	11699	1.92%	0.205%
47	16.404	2255	2264	2268	rBV3	7562	17717	2.91%	0.311%
48	16.451	2268	2272	2277	rVV	8798	12035	1.98%	0.211%
49	16.551	2285	2289	2294	rBB	4797	6664	1.09%	0.117%
50	16.916	2346	2351	2355	rVB2	12143	16418	2.70%	0.288%
51	17.098	2376	2382	2386	rBV	276678	398902	65.51%	6.996%
52	17.139	2386	2389	2394	rVV	168682	218843	35.94%	3.838%
53	17.192	2394	2398	2402	rVV2	80022	112830	18.53%	1.979%
54	17.227	2402	2404	2410	rVB	29806	34316	5.64%	0.602%
55	17.674	2477	2480	2485	rVV2	7267	10143	1.67%	0.178%
56	17.827	2500	2506	2510	rVB2	3768	6824	1.12%	0.120%
57	17.974	2526	2531	2535	rBV	36088	49058	8.06%	0.860%
58	18.022	2535	2539	2544	rVB	41321	52120	8.56%	0.914%
59	18.098	2548	2552	2557	rBV	12838	19074	3.13%	0.335%
60	18.163	2557	2563	2567	rVV3	39038	74570	12.25%	1.308%
61	18.204	2567	2570	2575	rVB	27277	36359	5.97%	0.638%
62	18.474	2610	2616	2620	rBV	12800	17102	2.81%	0.300%
63	18.898	2683	2688	2692	rBV2	23905	37076	6.09%	0.650%
64	18.963	2692	2699	2701	rBV3	9394	17675	2.90%	0.310%
65	18.986	2701	2703	2707	rVB2	9130	11450	1.88%	0.201%
66	19.039	2707	2712	2713	rBV	5995	8372	1.37%	0.147%
67	19.163	2728	2733	2737	rVV	61786	76659	12.59%	1.344%
68	19.316	2754	2759	2764	rVV	13794	18223	2.99%	0.320%
69	19.433	2768	2779	2785	rBV4	4036	9095	1.49%	0.160%
70	19.498	2785	2790	2792	rVV	115191	150028	24.64%	2.631%
71	19.527	2792	2795	2803	rVV	93825	126418	20.76%	2.217%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122015\
Data File : BM003654.D
Acq On : 20 Dec 2015 14:53
Operator : UM/SJ
Sample : G4801-16DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C64DL

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	19.604	2805	2808	2814	rVV3	4973	6848	1.12%	0.120%
73	19.698	2820	2824	2827	rVV3	4511	6749	1.11%	0.118%
74	19.857	2846	2851	2859	rVB5	7844	16693	2.74%	0.293%
75	20.021	2876	2879	2885	rVB	19630	27647	4.54%	0.485%
76	20.127	2893	2897	2902	rVV	16638	20351	3.34%	0.357%
77	20.186	2902	2907	2911	rVV	13714	16933	2.78%	0.297%
78	20.280	2918	2923	2927	rBV2	8766	12422	2.04%	0.218%
79	20.327	2927	2931	2934	rVV	13210	16845	2.77%	0.295%
80	20.374	2934	2939	2945	rVB	13961	21365	3.51%	0.375%
81	20.739	2995	3001	3004	rBV2	4451	8213	1.35%	0.144%
82	20.939	3033	3035	3039	rVV	5565	8017	1.32%	0.141%
83	20.980	3039	3042	3044	rVV	8072	11438	1.88%	0.201%
84	21.004	3044	3046	3054	rVV4	7370	14793	2.43%	0.259%
85	21.080	3055	3059	3063	rVV2	4608	7838	1.29%	0.137%
86	21.298	3088	3096	3100	rBV	454091	608879	100.00%	10.679%
87	21.333	3100	3102	3109	rVB	36180	40189	6.60%	0.705%
88	21.851	3183	3190	3194	rVV	13244	24072	3.95%	0.422%
89	21.904	3196	3199	3202	rVB	5762	7235	1.19%	0.127%
90	21.974	3205	3211	3213	rBV4	5421	10298	1.69%	0.181%
91	21.998	3213	3215	3220	rVV2	5805	7143	1.17%	0.125%
92	22.045	3220	3223	3226	rVV	5155	7175	1.18%	0.126%
93	22.074	3226	3228	3236	rVB3	5314	8356	1.37%	0.147%
94	22.868	3356	3363	3368	rBV3	11290	32241	5.30%	0.565%
95	23.039	3389	3392	3398	rVB	5519	8414	1.38%	0.148%
96	23.345	3440	3444	3447	rBV	8270	12611	2.07%	0.221%
97	23.398	3447	3453	3458	rVV	70319	130139	21.37%	2.282%
98	23.439	3458	3460	3467	rVB	18194	28533	4.69%	0.500%
99	23.545	3470	3478	3485	rBV	238227	443986	72.92%	7.787%
100	24.803	3688	3692	3699	rVB6	4203	7993	1.31%	0.140%

Sum of corrected areas: 5701843

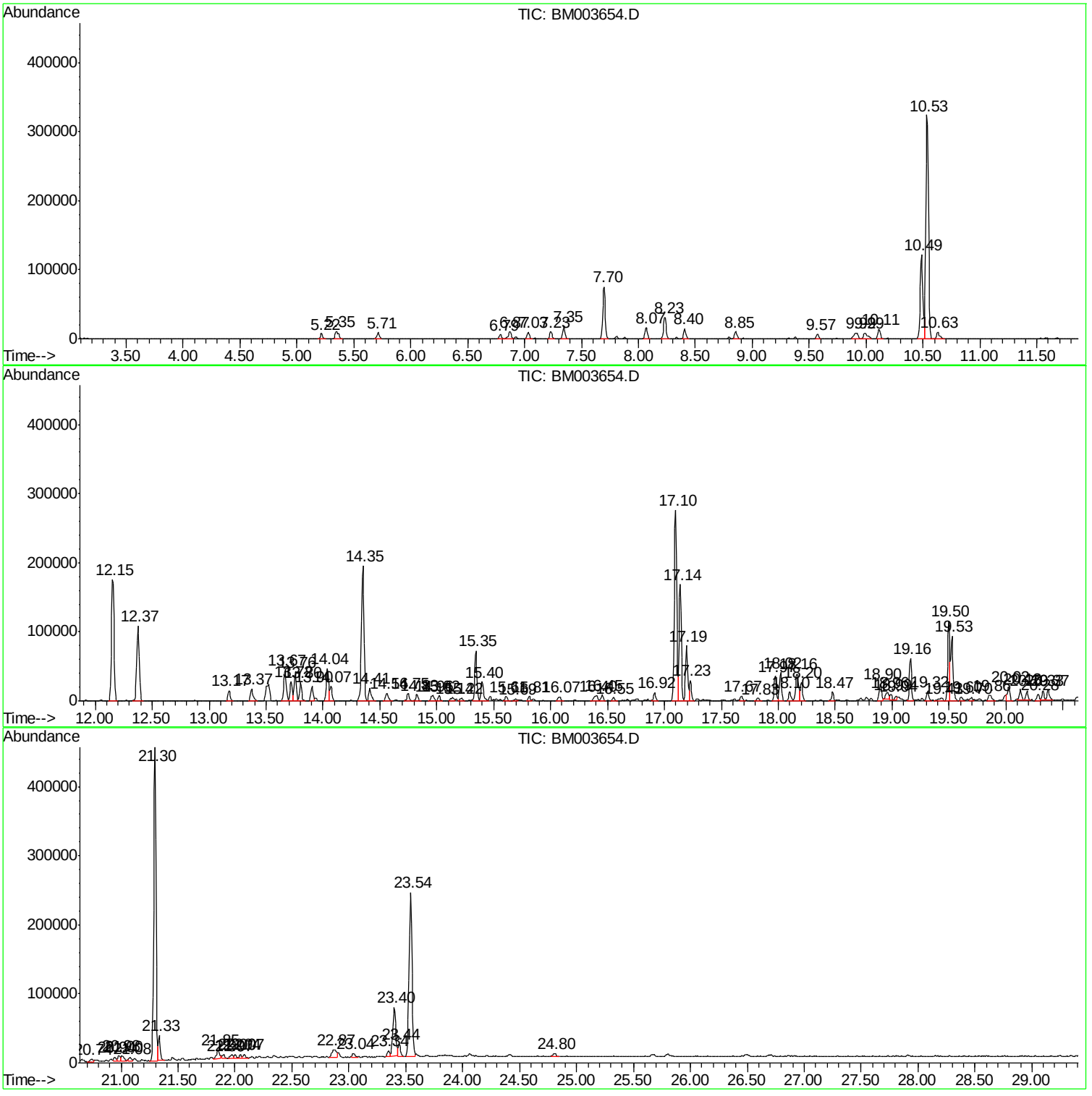
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122015\
Data File : BM003654.D
Acq On : 20 Dec 2015 14:53
Operator : UM/SJ
Sample : G4801-16DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C64DL

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 : BM003654.D
Acq On : 20 Dec 2015 14:53
Operator : UM/SJ
Sample : G4801-16DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C64DL

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

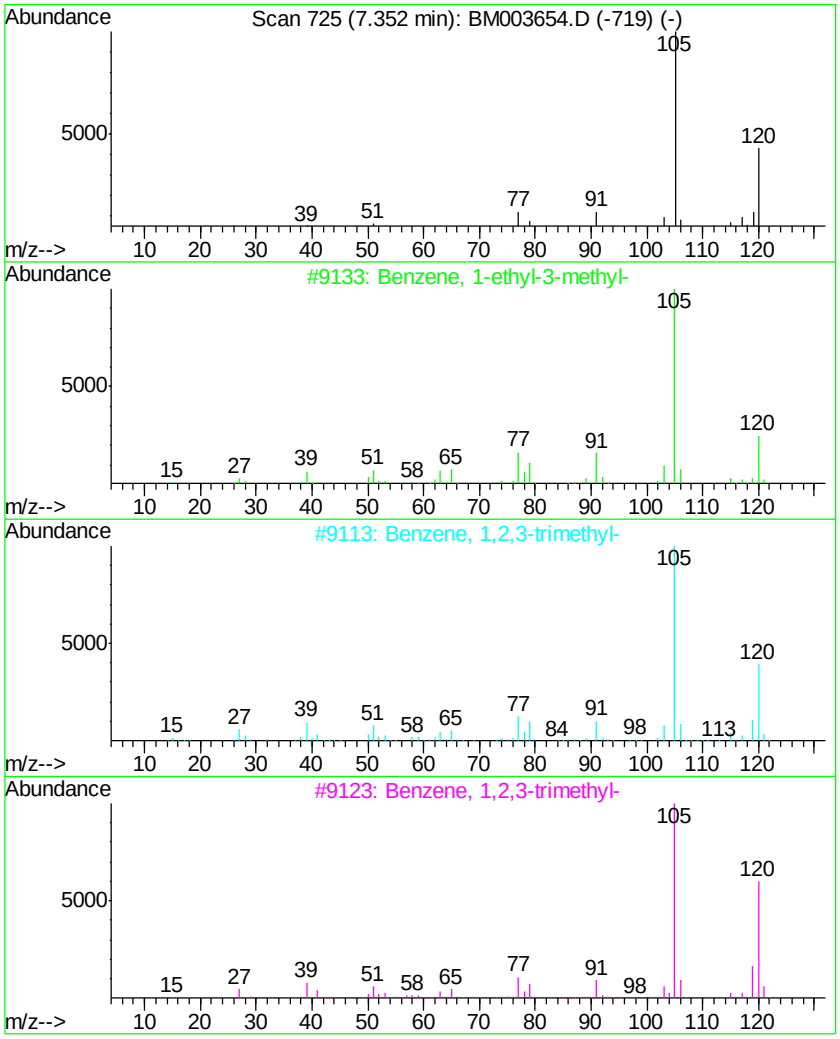
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

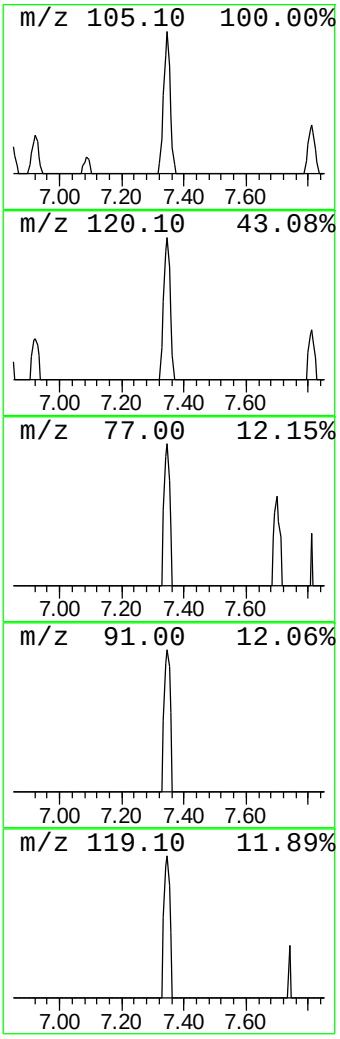
****

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	4.30 ng/ul	24879	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	91
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	87
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122015\
Data File : BM003654.D
Acq On : 20 Dec 2015 14:53
Operator : UM/SJ
Sample : G4801-16DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C64DL

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

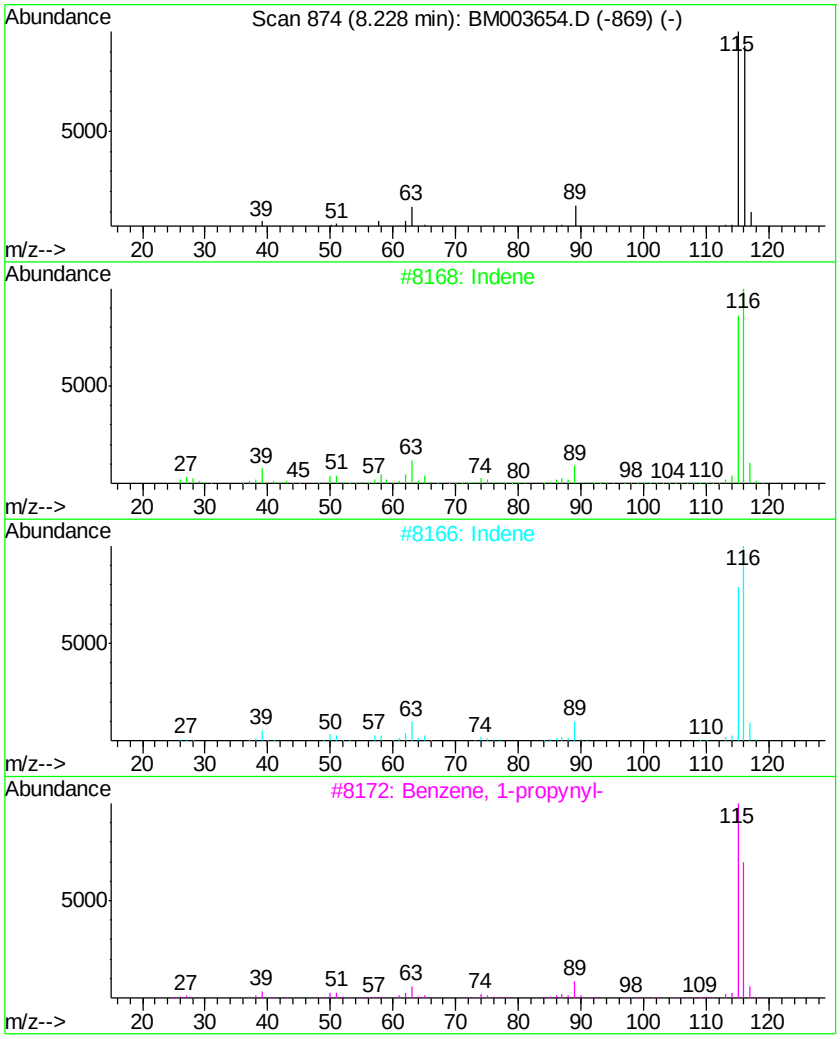
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

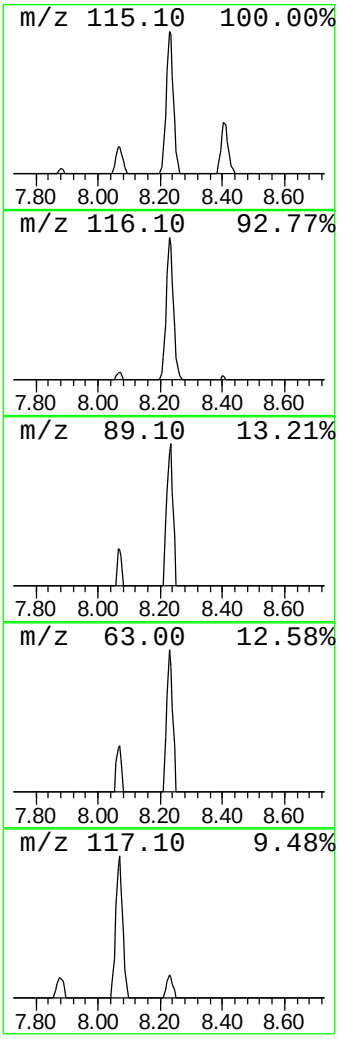
****

Peak Number 5 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	8.18 ng/ul	47354	1,4-Dichlorobenzene-d4	7.70

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122015\
Data File : BM003654.D
Acq On : 20 Dec 2015 14:53
Operator : UM/SJ
Sample : G4801-16DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C64DL

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

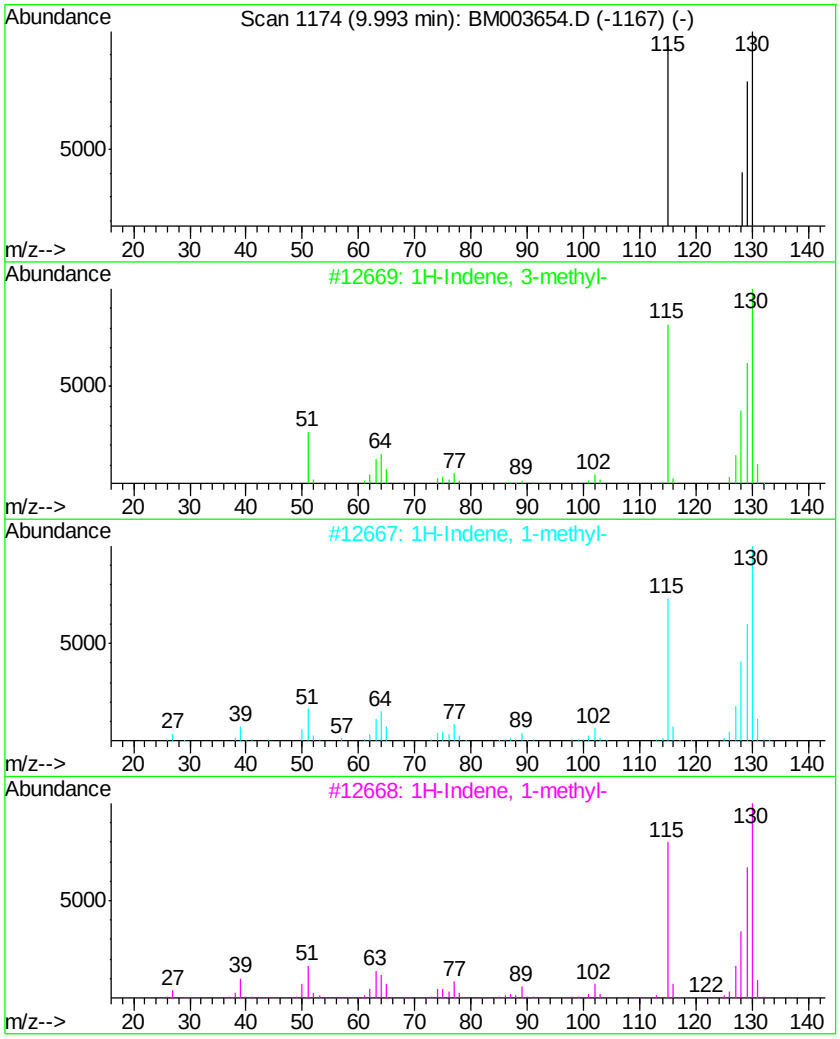
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

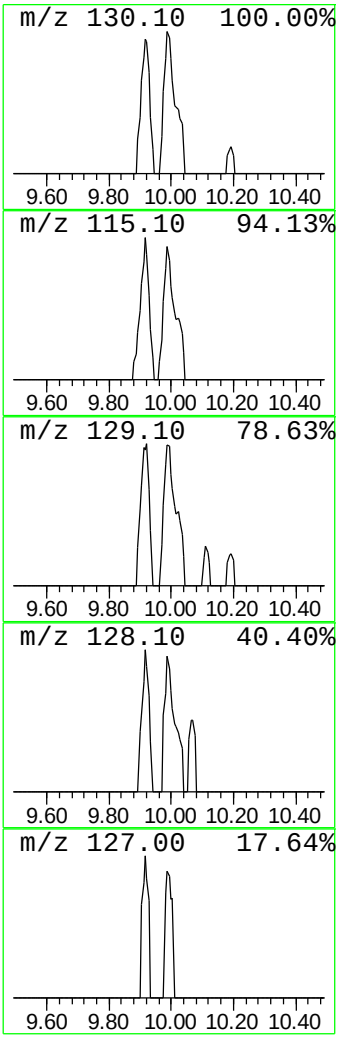
****

Peak Number 7 1H-Indene, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	2.08 ng/ul	21665	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	80
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	80
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	80
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	80
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	80





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122015\
Data File : BM003654.D
Acq On : 20 Dec 2015 14:53
Operator : UM/SJ
Sample : G4801-16DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C64DL

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

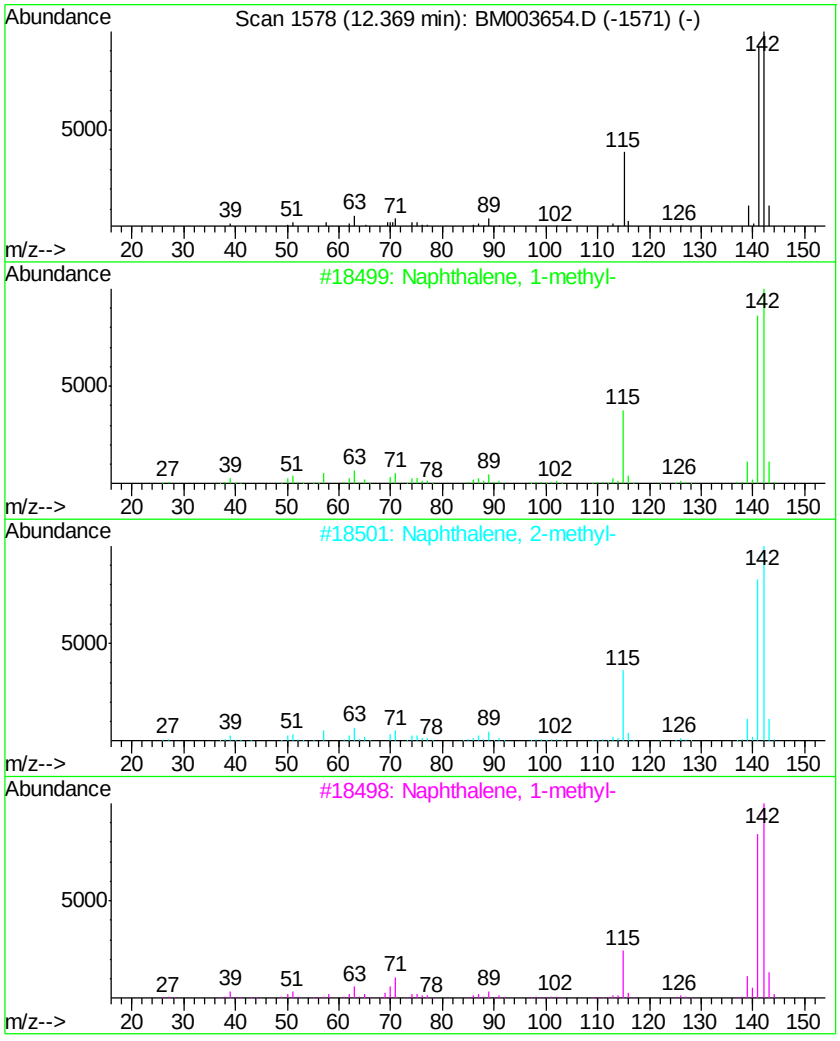
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

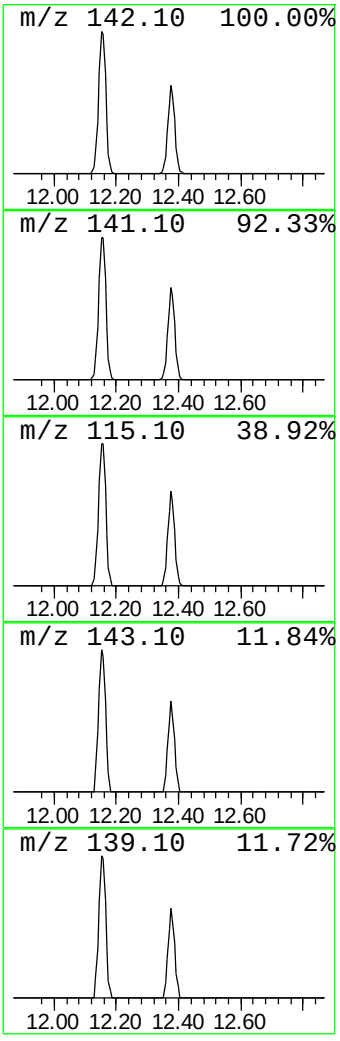
****

Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	16.06 ng/ul	167122	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	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122015\
Data File : BM003654.D
Acq On : 20 Dec 2015 14:53
Operator : UM/SJ
Sample : G4801-16DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C64DL

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

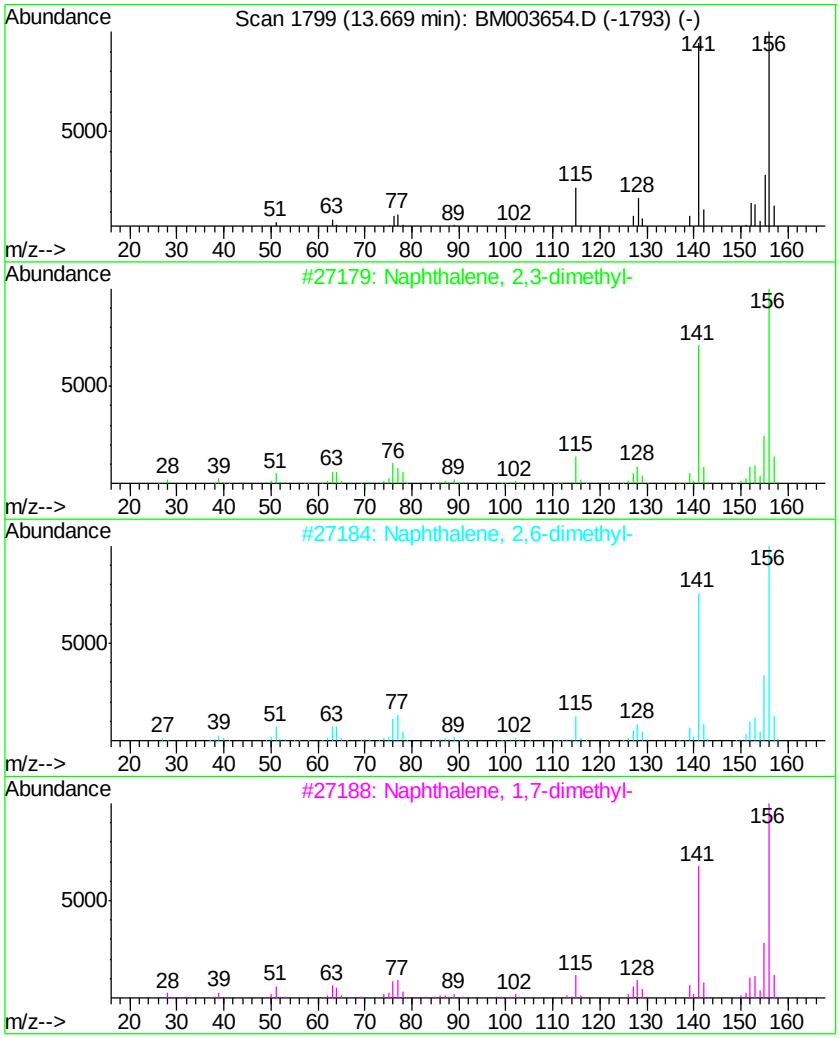
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

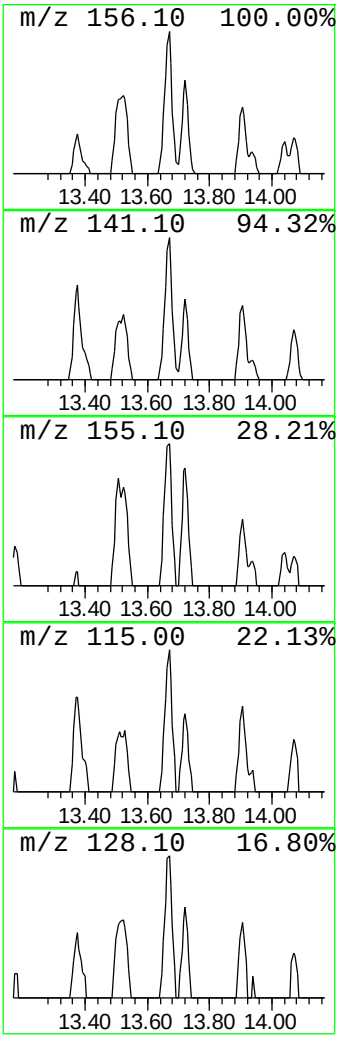
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	4.73 ng/ul	72193	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, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122015\
Data File : BM003654.D
Acq On : 20 Dec 2015 14:53
Operator : UM/SJ
Sample : G4801-16DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C64DL

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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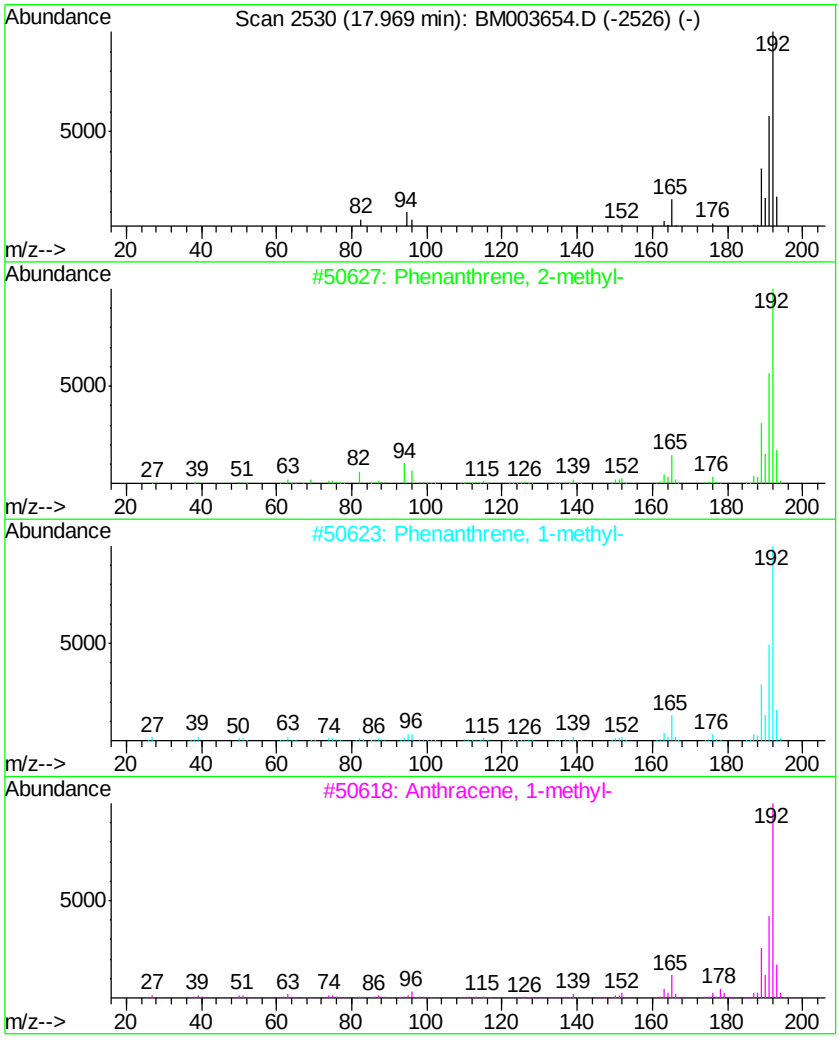
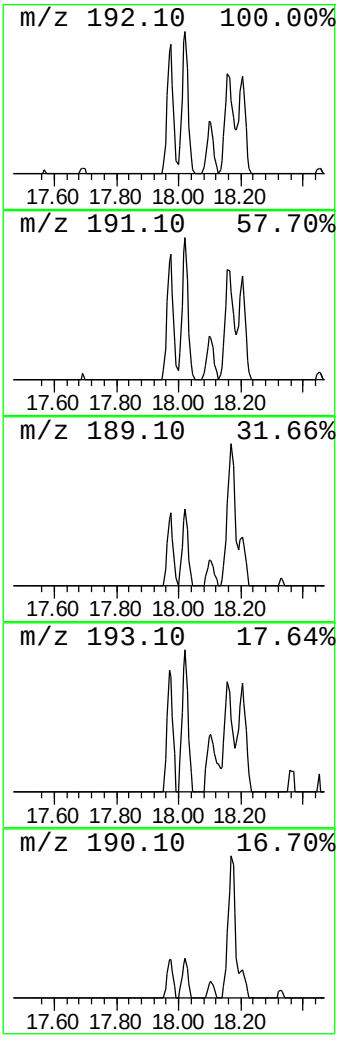
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	2.46 ng/ul	49058	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	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122015\
Data File : BM003654.D
Acq On : 20 Dec 2015 14:53
Operator : UM/SJ
Sample : G4801-16DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C64DL

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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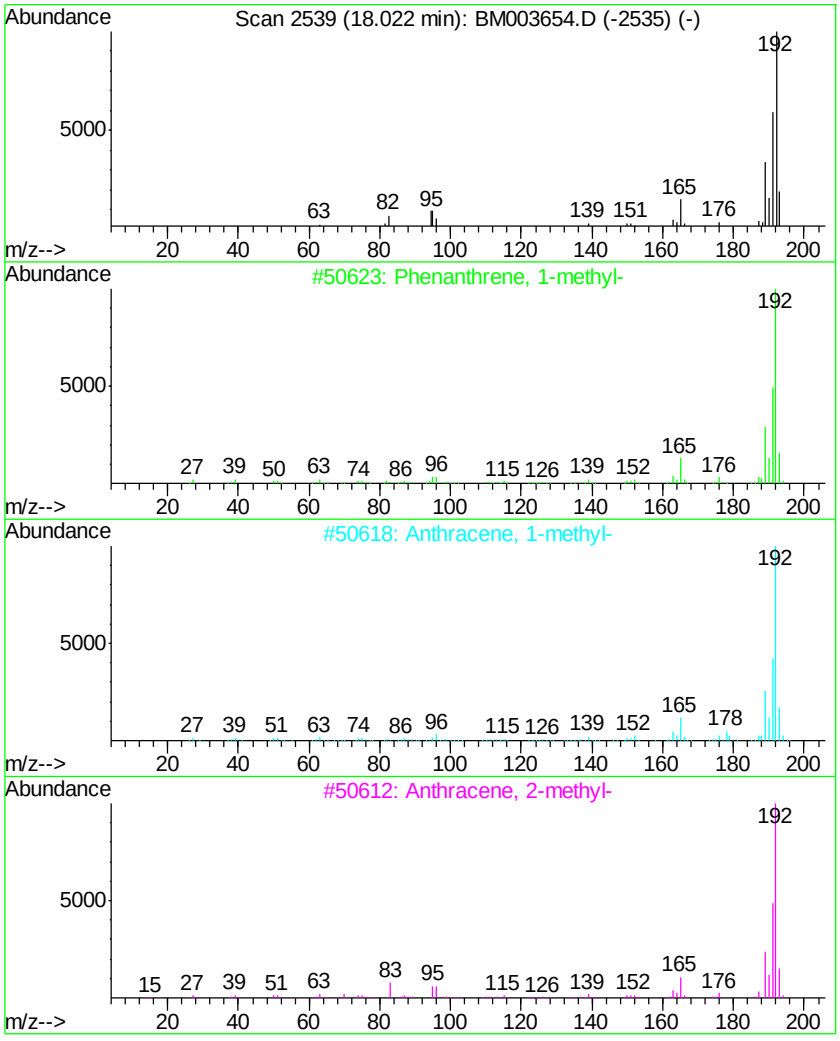
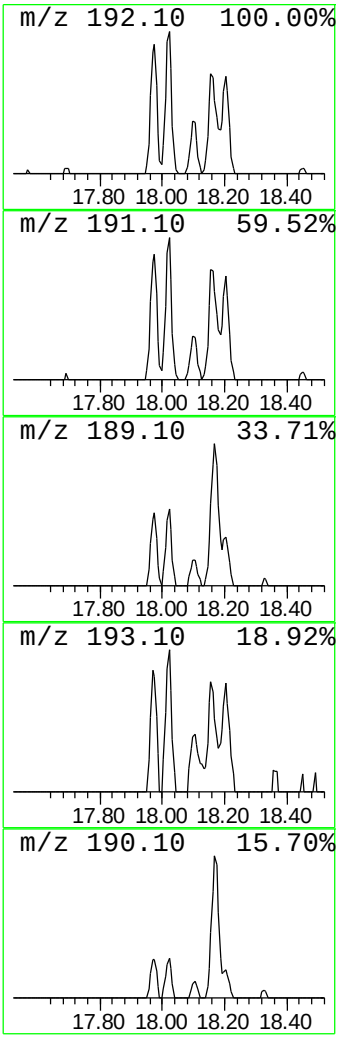
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.61 ng/ul	52120	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122015\
Data File : BM003654.D
Acq On : 20 Dec 2015 14:53
Operator : UM/SJ
Sample : G4801-16DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C64DL

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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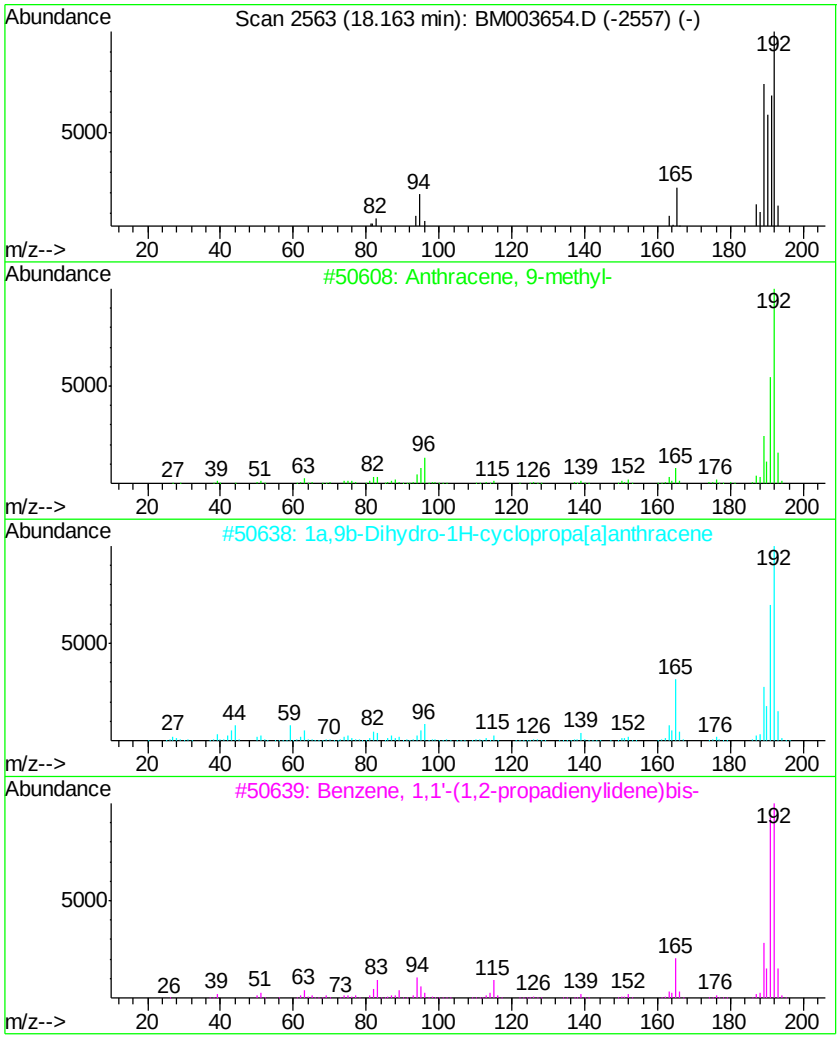
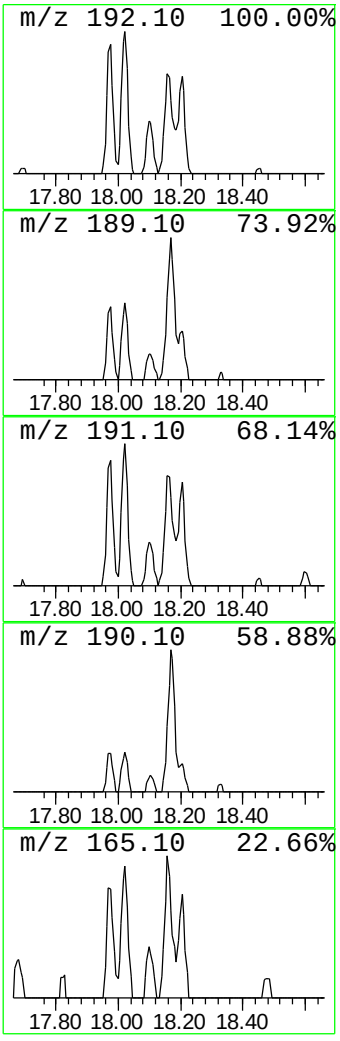
Peak Number 12 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	3.74 ng/ul	74570	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	46
2	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	45
3	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	43
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	43
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122015\
Data File : BM003654.D
Acq On : 20 Dec 2015 14:53
Operator : UM/SJ
Sample : G4801-16DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9C64DL

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-...	7.35	4.3	ng/ul	24879	1	7.70	115830	20.0
Indene	8.23	8.2	ng/ul	47354	1	7.70	115830	20.0
1H-Indene, 3-methyl-	9.99	2.1	ng/ul	21665	2	10.49	208062	20.0
Naphthalene, 1-me...	12.37	16.1	ng/ul	167122	2	10.49	208062	20.0
Naphthalene, 2,3-...	13.67	4.7	ng/ul	72193	3	14.35	305172	20.0
Phenanthrene, 2-m...	17.97	2.5	ng/ul	49058	4	17.10	398902	20.0
Phenanthrene, 1-m...	18.02	2.6	ng/ul	52120	4	17.10	398902	20.0
unknown-01	18.16	3.7	ng/ul	74570	4	17.10	398902	20.0