LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024568.D
Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.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	3.757	143	148	156	rBV	122978	175295	3.11%	0.272%
2	5.157	380	386	396	rVB	148046	289465	5.14%	0.449%
3	5.510	437	446	455	rBV2	78761	154137	2.74%	0.239%
4	6.645	632	639	646	rVV2	176460	351910	6.25%	0.546%
5	6.804	660	666	672	rVV	125045	195763	3.48%	0.304%
6	6.992	692	698	707	rVB	186493	301285	5.35%	0.468%
7	7.116	713	719	725	rBV	168715	254227	4.52%	0.395%
8	7.181	725	730	742	rVB	100697	160544	2.85%	0.249%
9	7.451	769	776	784	rBV	830576	1281294	22.76%	1.989%
10	7.904	847	853	859	rVV2	55444	89465	1.59%	0.139%
11	7.981	859	866	877	rVV	349022	561531	9.97%	0.872%
12	8.163	891	897	903	rVV	221735	355824	6.32%	0.552%
13	8.228	903	908	915	rVV	111108	208501	3.70%	0.324%
14	8.592	957	970	977	rBV	171183	335421	5.96%	0.521%
15	8.916	1019	1025	1031	rVV	87667	180737	3.21%	0.281%
16	9.304	1085	1091	1100	rVV	149127	244845	4.35%	0.380%
17	9.416	1102	1110	1113	rBV	93830	157780	2.80%	0.245%
18	9.657	1142	1151	1157	rBV5	87358	223784	3.97%	0.347%
19	9.722	1157	1162	1167	rVV2	118842	214188	3.80%	0.332%
20	9.839	1176	1182	1191	rVV	250466	425575	7.56%	0.661%
21	10.210	1237	1245	1249	rBV	1192908	2002000	35.56%	3.108%
22	10.263	1249	1254	1263	rVB	2483266	3977451	70.64%	6.174%
23	10.351	1263	1269	1278	rBV2	238270	652682	11.59%	1.013%
24	11.039	1379	1386	1399	rVV2	90234	205760	3.65%	0.319%
25	11.886	1522	1530	1538	rBV	1082091	1699931	30.19%	2.639%
26	12.110	1557	1568	1580	rVB	555316	937280	16.65%	1.455%
27	12.927	1702	1707	1711	rBV	170043	257829	4.58%	0.400%
28	13.121	1735	1740	1753	rVB2	54078	123340	2.19%	0.191%
29	13.257	1753	1763	1765	rBV2	191269	317273	5.63%	0.492%
30	13.416	1783	1790	1795	rBV	322881	557524	9.90%	0.865%
31	13.474	1795	1800	1804	rVV	230749	365787	6.50%	0.568%
32	13.521	1804	1808	1819	rVV	498921	701605	12.46%	1.089%
33	13.657	1824	1831	1835	rVV	159373	254344	4.52%	0.395%
34	13.786	1847	1853	1856	rBV	544320	916054	16.27%	1.422%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024568.D
Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Title : SVOA CALIBRATION

35	13.816	1856	1858	1865	rVB2	416699	531758	9.44%	0.825%
36	14.098	1900	1906	1913	rVV	2071190	3143772	55.83%	4.880%
37	14.163	1913	1917	1921	rVV	133822	197141	3.50%	0.306%
38	14.316	1937	1943	1952	rBV2	168956	340006	6.04%	0.528%
39	14.504	1964	1975	1984	rVV	551035	895416	15.90%	1.390%
40	14.592	1984	1990	1995	rBV	103330	136860	2.43%	0.212%
41	14.733	2006	2014	2019	rBV5	75599	155040	2.75%	0.241%
42	14.786	2019	2023	2029	rVB2	97749	133459	2.37%	0.207%
43	14.910	2034	2044	2046	rBV	73366	163741	2.91%	0.254%
44	15.098	2071	2076	2081	rVV	750005	1050441	18.66%	1.631%
45	15.157	2081	2086	2092	rVB	759044	1082377	19.22%	1.680%
46	15.221	2092	2097	2105	rBV3	149696	239270	4.25%	0.371%
47	15.457	2132	2137	2141	rBV	188813	258762	4.60%	0.402%
48	15.568	2147	2156	2158	rBV	82614	137865	2.45%	0.214%
49	15.604	2158	2162	2169	rVB	224521	456264	8.10%	0.708%
50	16.162	2249	2257	2262	rVV3	151006	320151	5.69%	0.497%
51	16.210	2262	2265	2271	rVB	76460	113501	2.02%	0.176%
52	16.310	2278	2282	2289	rVB	73379	114788	2.04%	0.178%
53	16.398	2289	2297	2301	rBV2	93437	173814	3.09%	0.270%
54	16.439	2301	2304	2307	rVV	67220	93077	1.65%	0.144%
55	16.592	2325	2330	2336	rBV	98734	176419	3.13%	0.274%
56	16.668	2336	2343	2349	rBV	225296	317652	5.64%	0.493%
57	16.851	2366	2374	2378	rBV	2670322	3866442	68.67%	6.002%
58	16.892	2378	2381	2386	rVV	2263664	2822183	50.12%	4.381%
59	16.945	2386	2390	2393	rVV2	763896	1107957	19.68%	1.720%
60	16.980	2393	2396	2403	rVB	783281	1057592	18.78%	1.642%
61	17.051	2403	2408	2414	rBV5	62226	110181	1.96%	0.171%
62	17.221	2432	2437	2439	rBV2	66072	99075	1.76%	0.154%
63	17.251	2439	2442	2447	rVB	187822	245010	4.35%	0.380%
64	17.404	2461	2468	2472	rBV5	61090	115662	2.05%	0.180%
65	17.727	2518	2523	2527	rVV	346234	476890	8.47%	0.740%
66	17.774	2527	2531	2539	rVB	486336	706308	12.54%	1.096%
67	17.856	2539	2545	2550	rBV	291529	426198	7.57%	0.662%
68	17.915	2550	2555	2560	rBV2	451024	836686	14.86%	1.299%
69	17.956	2560	2562	2567	rVV	224926	254224	4.51%	0.395%
70	18.233	2605	2609	2617	rVB	168579	248662	4.42%	0.386%
71	18.574	2663	2667	2671	rVB3	70975	99984	1.78%	0.155%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024568.D
Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Title : SVOA CALIBRATION

72	18.656	2675	2681	2686	rBV	167525	323182	5.74%	0.502%
73	18.721	2686	2692	2700	rVB5	125694	359614	6.39%	0.558%
74	18.915	2720	2725	2731	rBV	1380208	1897464	33.70%	2.945%
75	19.068	2747	2751	2755	rVB	150412	199274	3.54%	0.309%
76	19.250	2777	2782	2785	rVV	1263989	1891266	33.59%	2.936%
77	19.280	2785	2787	2791	rVV	1132263	1352936	24.03%	2.100%
78	19.315	2791	2793	2797	rVV2	142562	200267	3.56%	0.311%
79	19.362	2797	2801	2810	rVB3	109149	235649	4.19%	0.366%
80	19.468	2815	2819	2822	rBV	132219	169083	3.00%	0.262%
81	19.521	2826	2828	2836	rVB3	57700	105671	1.88%	0.164%
82	19.627	2837	2846	2850	rBV3	133076	356082	6.32%	0.553%
83	19.762	2863	2869	2870	rVV4	126752	234556	4.17%	0.364%
84	19.786	2870	2873	2880	rVB	414313	557562	9.90%	0.865%
85	19.886	2883	2890	2895	rVV	377219	578568	10.28%	0.898%
86	19.945	2895	2900	2905	rVV2	258567	443476	7.88%	0.688%
87	20.086	2920	2924	2928	rVB	101745	135033	2.40%	0.210%
88	20.127	2928	2931	2937	rBV2	110219	178219	3.17%	0.277%
89	20.503	2992	2995	3000	rBV3	74798	134004	2.38%	0.208%
90	20.550	3000	3003	3008	rVB3	63090	98594	1.75%	0.153%
91	20.745	3033	3036	3039	rBV	118080	123036	2.19%	0.191%
92	21.056	3082	3089	3093	rBV2	3846592	5630685	100.00%	8.740%
93	21.092	3093	3095	3103	rVB	570321	772009	13.71%	1.198%
94	21.597	3178	3181	3185	rVB	182819	238355	4.23%	0.370%
95	21.644	3187	3189	3193	rVB	105110	118348	2.10%	0.184%
96	21.780	3210	3212	3215	rBV	79948	89027	1.58%	0.138%
97	22.556	3339	3344	3348	rBV2	271988	605942	10.76%	0.941%
98	23.044	3422	3427	3431	rBV	550547	910777	16.18%	1.414%
99	23.080	3431	3433	3439	rVB	279500	403843	7.17%	0.627%
100	23.174	3439	3449	3466	rVB	2159275	4244206	75.38%	6.588%

Sum of corrected areas: 64421787

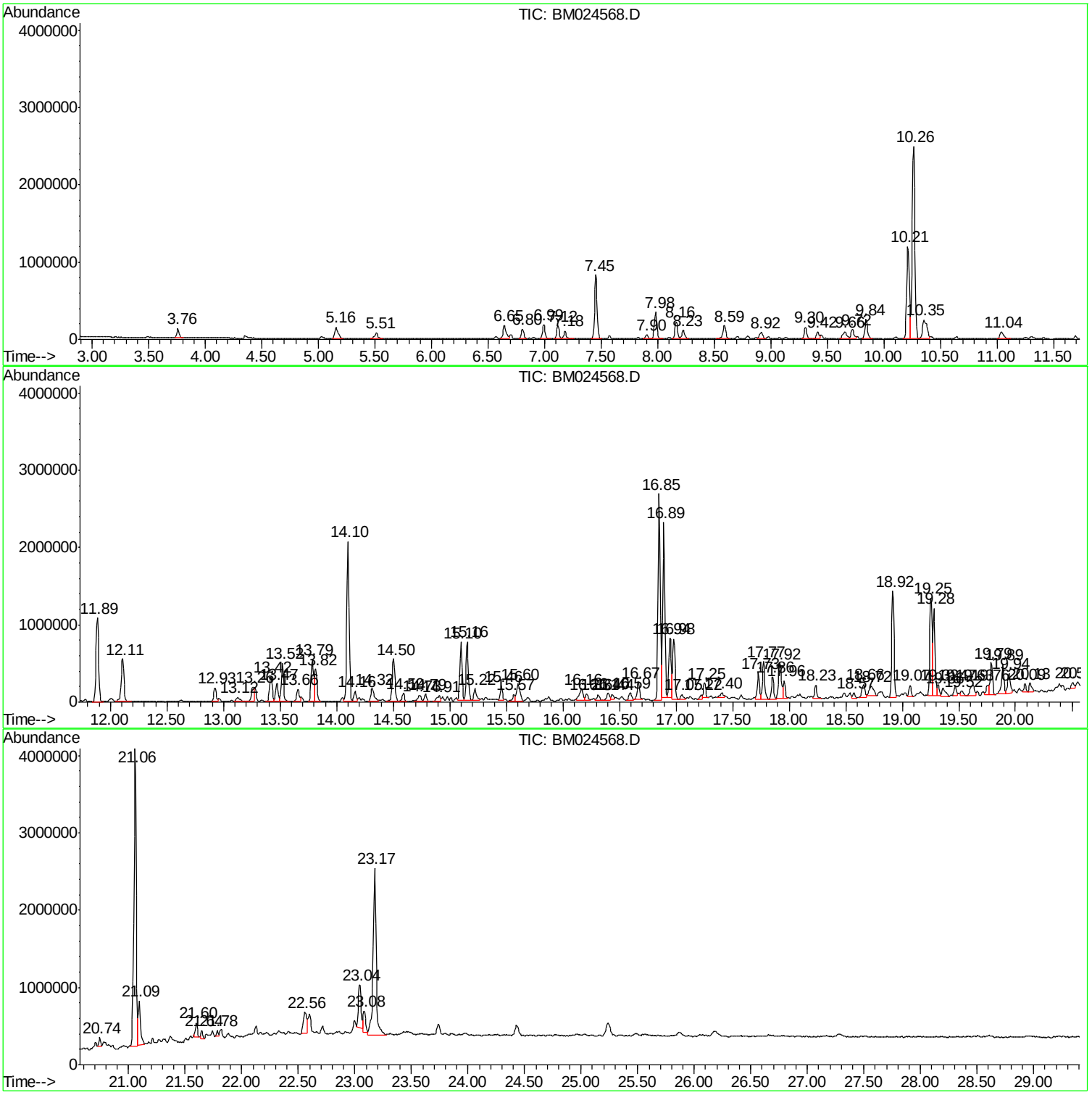
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024568.D
Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024568.D
Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

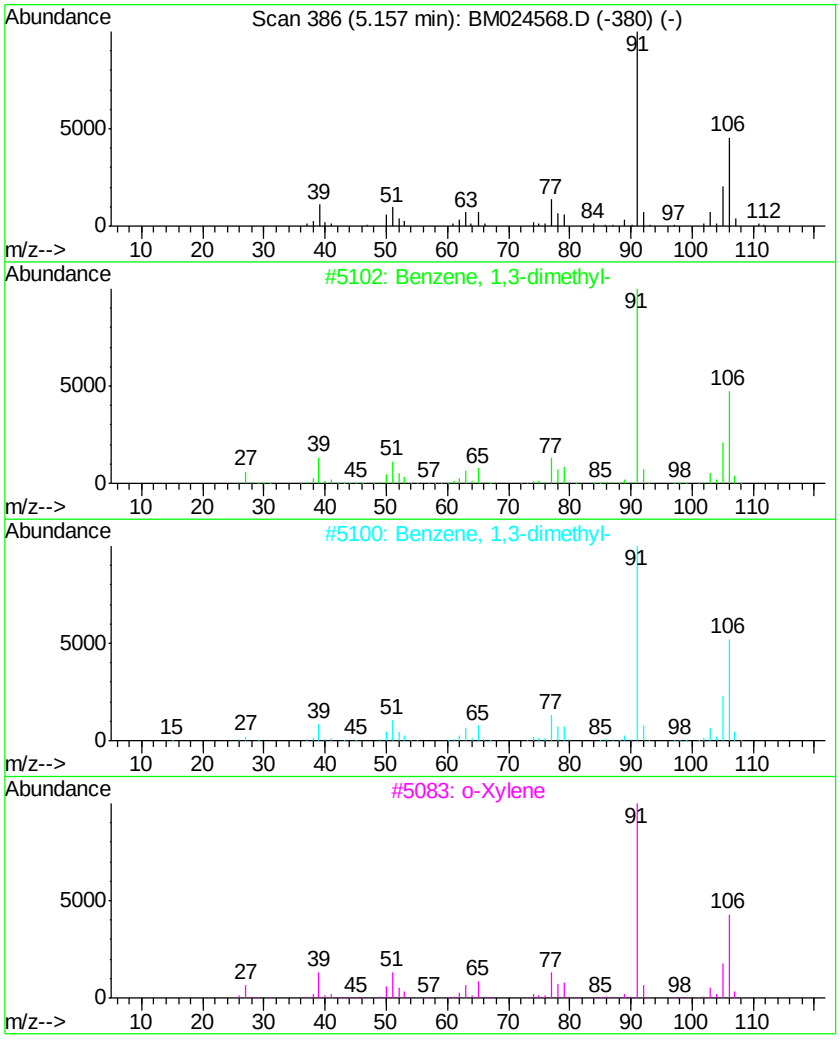
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

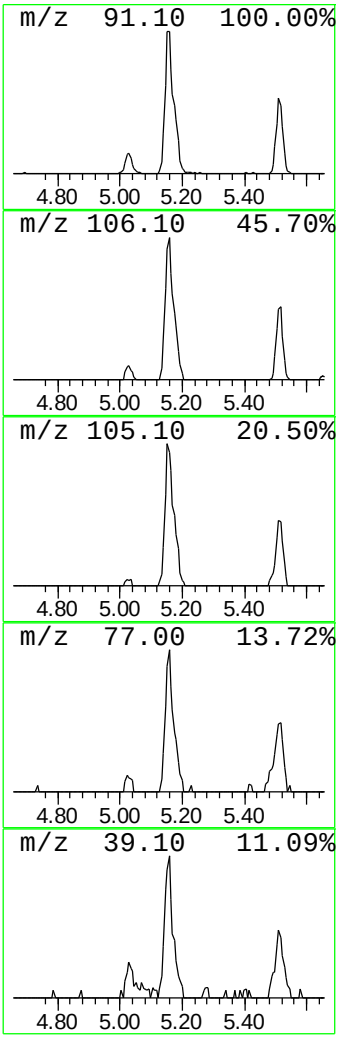
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	4.52 ng/ul	289465	1,4-Dichlorobenzene-d4	7.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
3	o-Xylene	106	C8H10	000095-47-6	93
4	p-Xylene	106	C8H10	000106-42-3	93
5	p-Xylene	106	C8H10	000106-42-3	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024568.D
Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

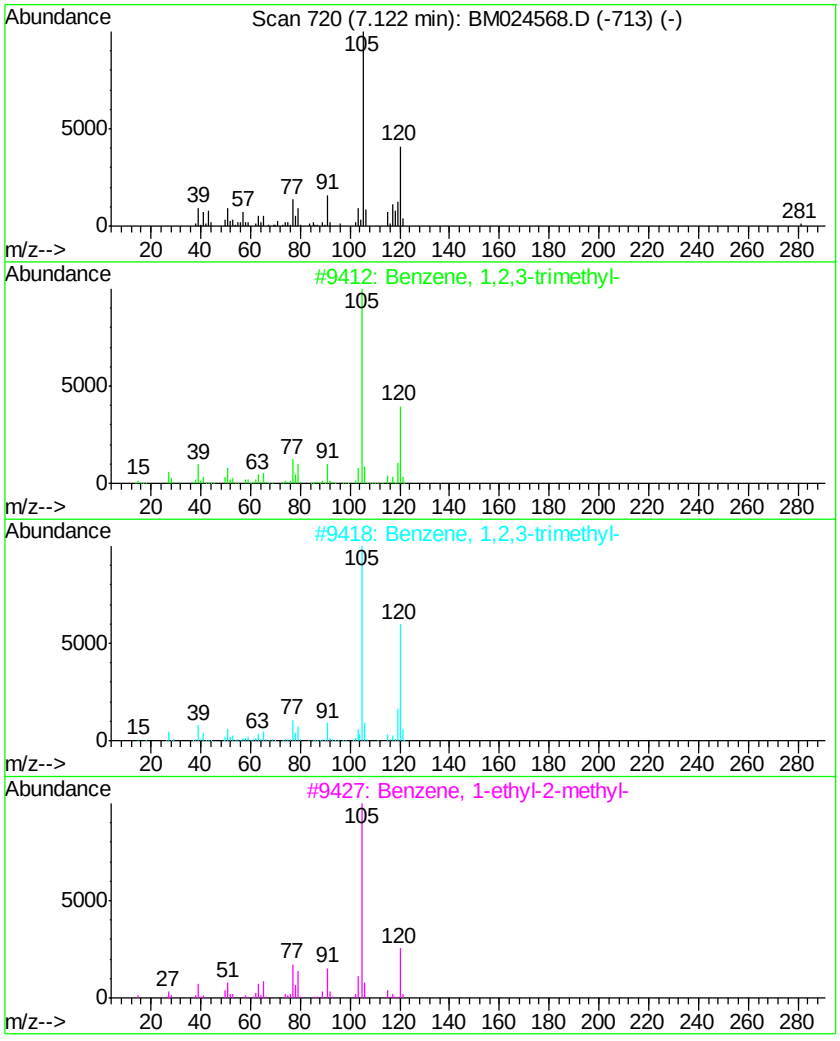
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

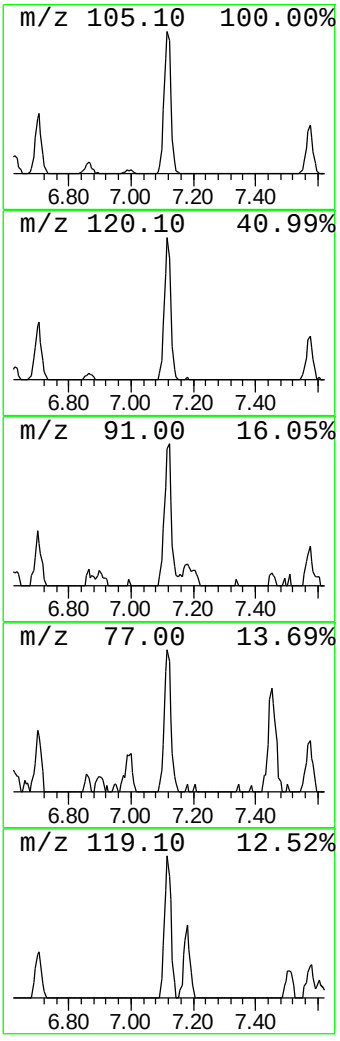
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	3.97 ng/ul	254227	1,4-Dichlorobenzene-d4	7.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Mesitylene	120	C9H12	000108-67-8	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024568.D
Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

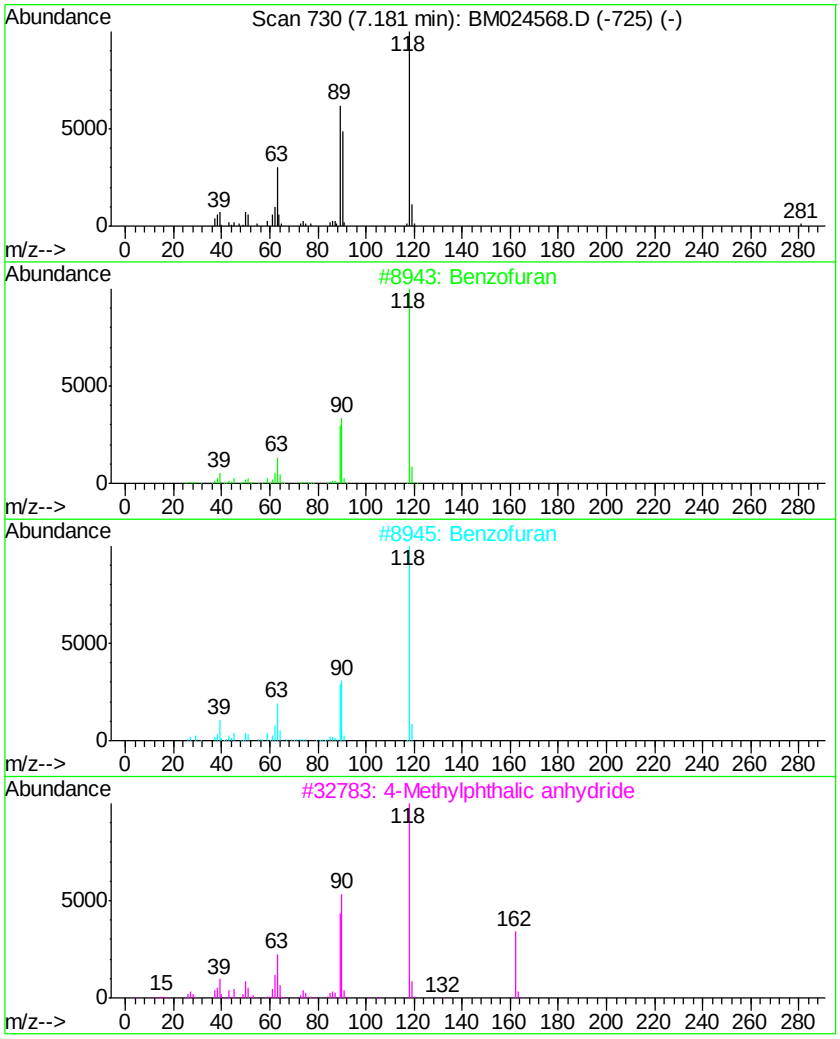
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

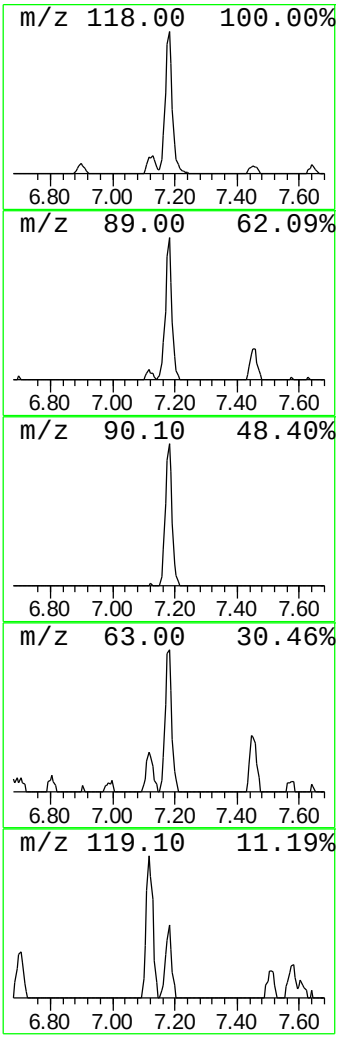
****

Peak Number 5 Benzofuran Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	2.51 ng/ul	160544	1,4-Dichlorobenzene-d4	7.45

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	4-Methylphthalic anhydride	162	C9H6O3	019438-61-0	78
4	1,2-Benzenedicarboxylic acid, 4-...	180	C9H8O4	004316-23-8	56
5	4-Methylphthalic anhydride	162	C9H6O3	019438-61-0	56





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024568.D
Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

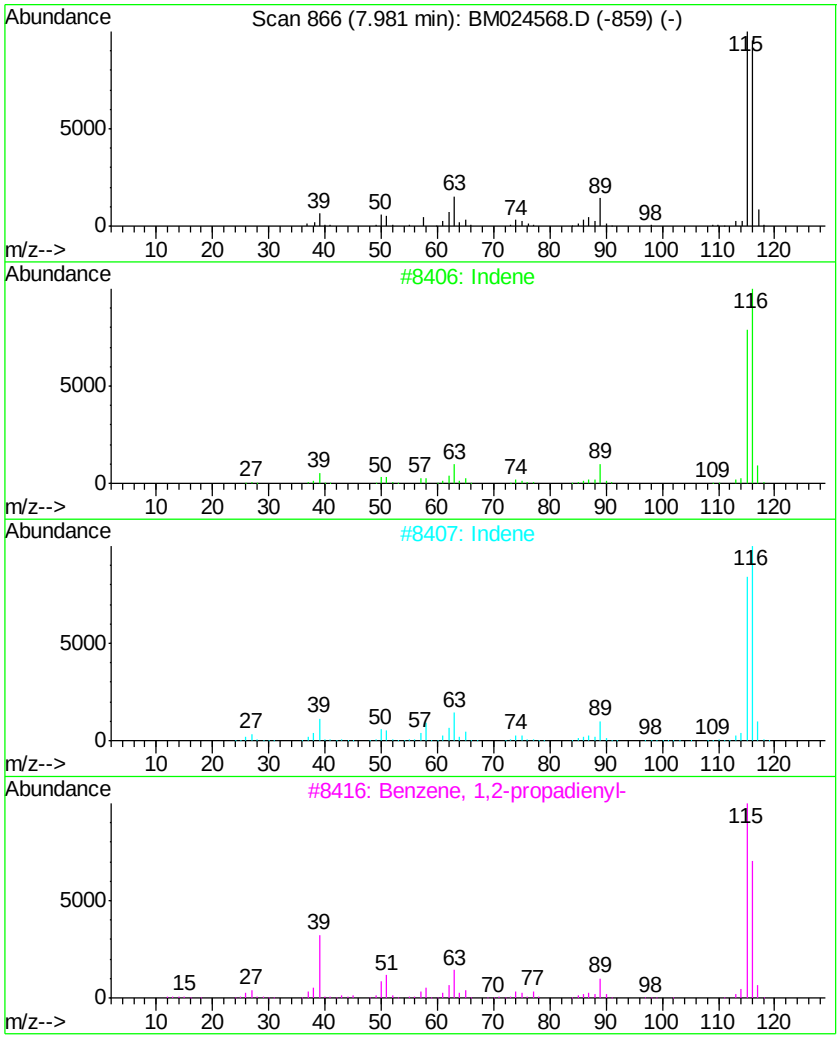
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

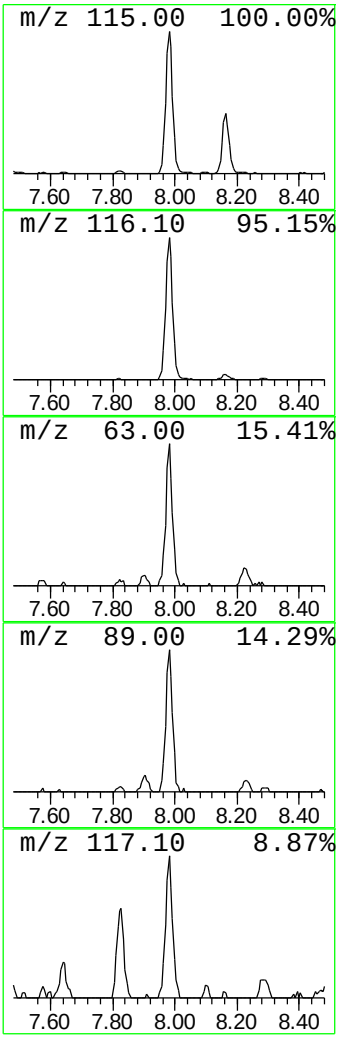
****

Peak Number 6 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	8.77 ng/ul	561531	1,4-Dichlorobenzene-d4	7.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Indene	116	C9H8	000095-13-6	91
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024568.D
Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

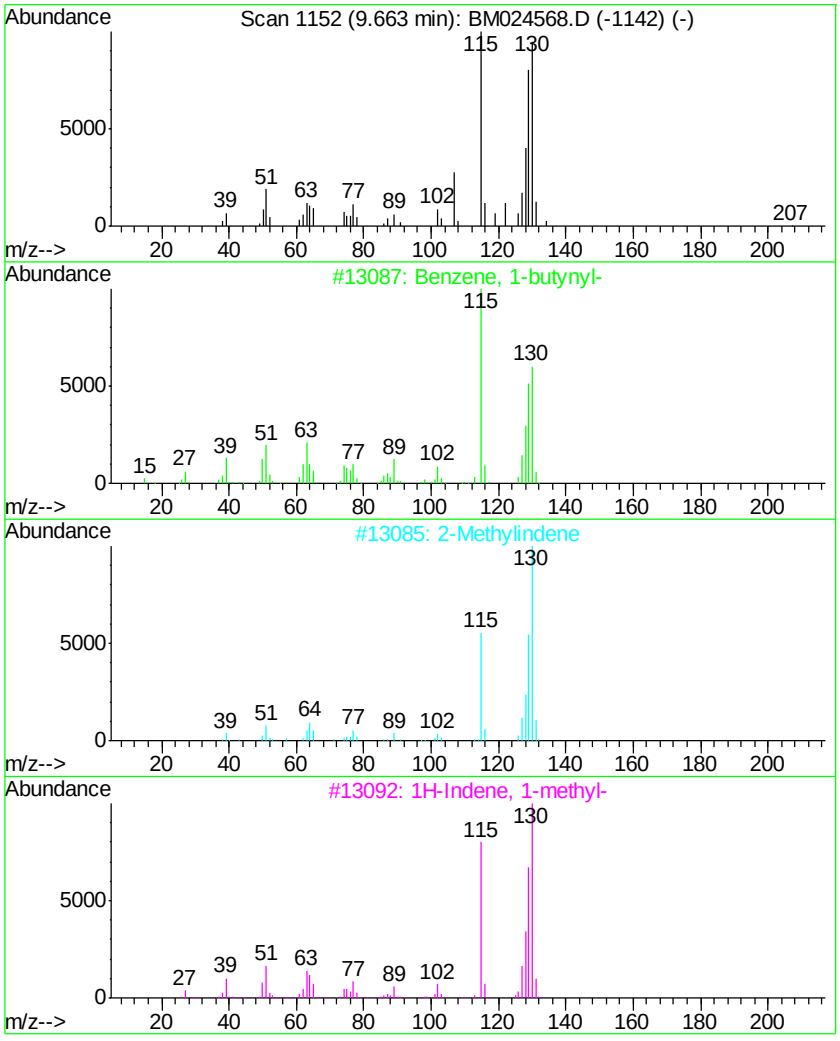
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

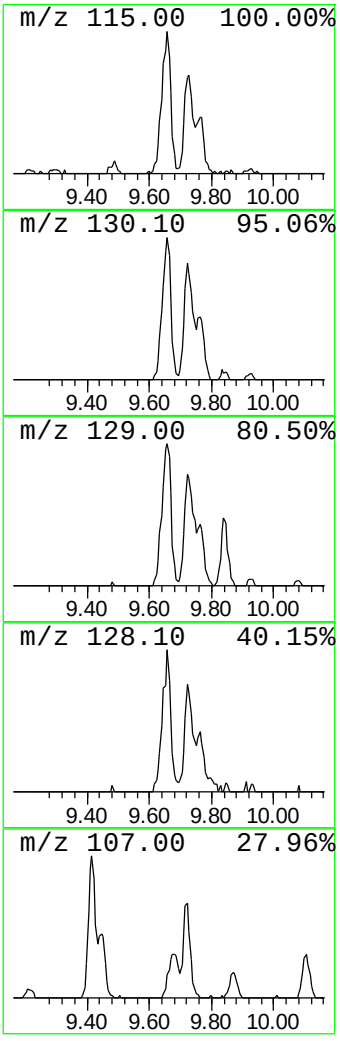
****

Peak Number 7 Benzene, 1-butynyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	2.24 ng/ul	223784	Naphthalene-d8	10.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
2	2-Methylindene	130	C10H10	002177-47-1	93
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	90
4	2-Methylindene	130	C10H10	002177-47-1	90
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	90





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Data File : BM024568.D
Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

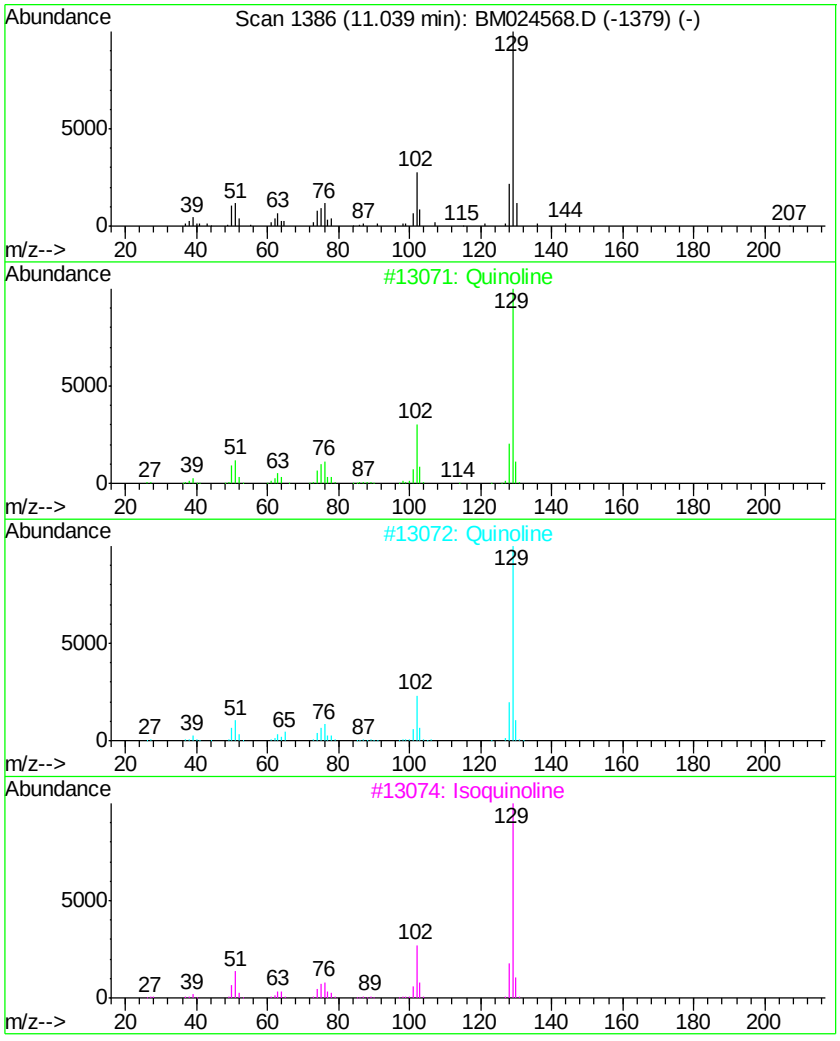
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

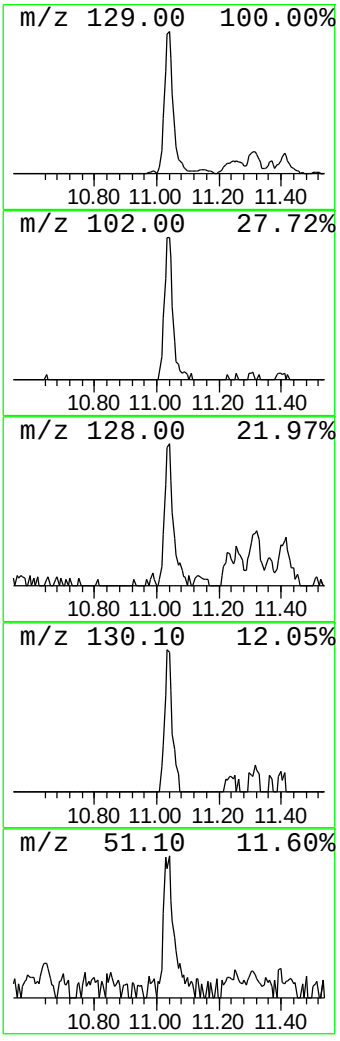
****

Peak Number 9 Quinoline Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	2.06 ng/ul	205760	Naphthalene-d8	10.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline	129	C9H7N	000091-22-5	96
2	Quinoline	129	C9H7N	000091-22-5	95
3	Isoquinoline	129	C9H7N	000119-65-3	94
4	Quinoline	129	C9H7N	000091-22-5	94
5	Isoquinoline	129	C9H7N	000119-65-3	94





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Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

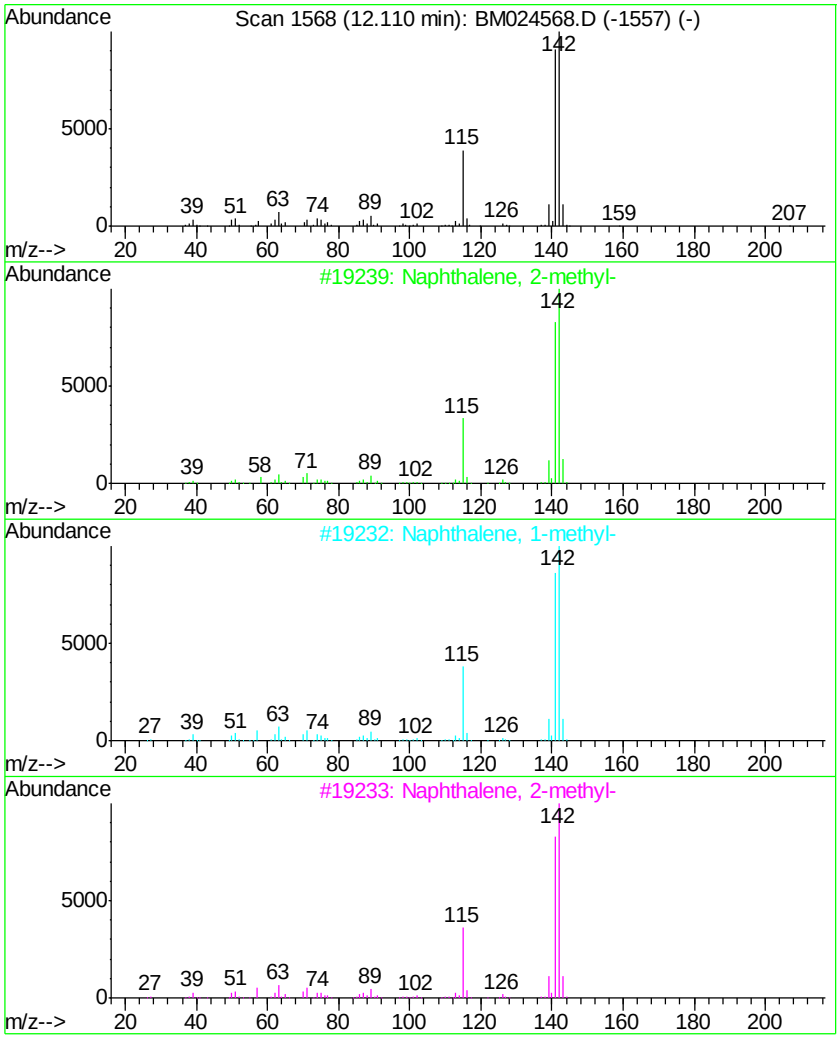
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

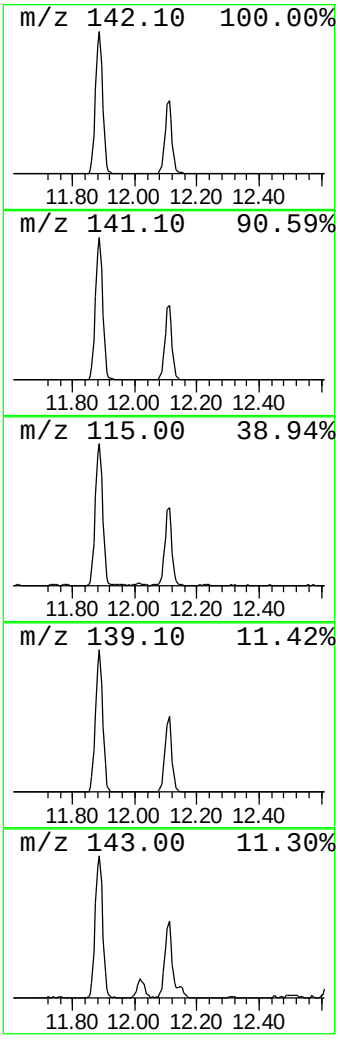
****

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	9.36 ng/ul	937280	Naphthalene-d8	10.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





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Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

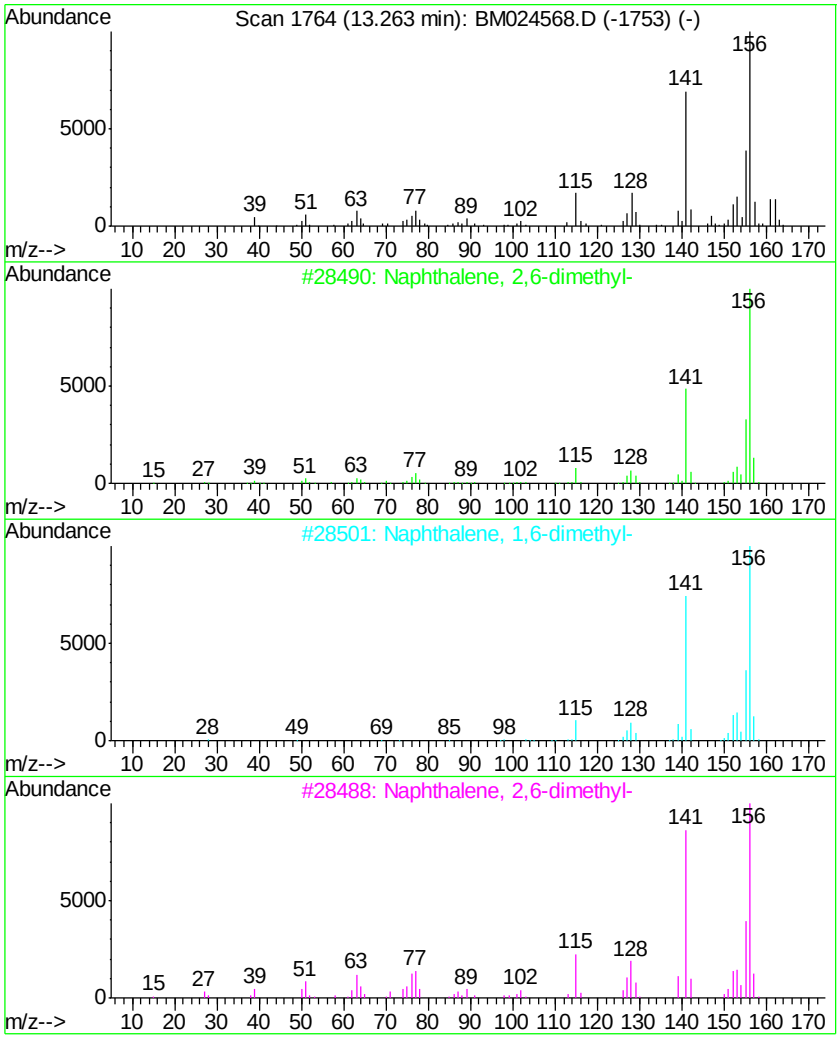
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

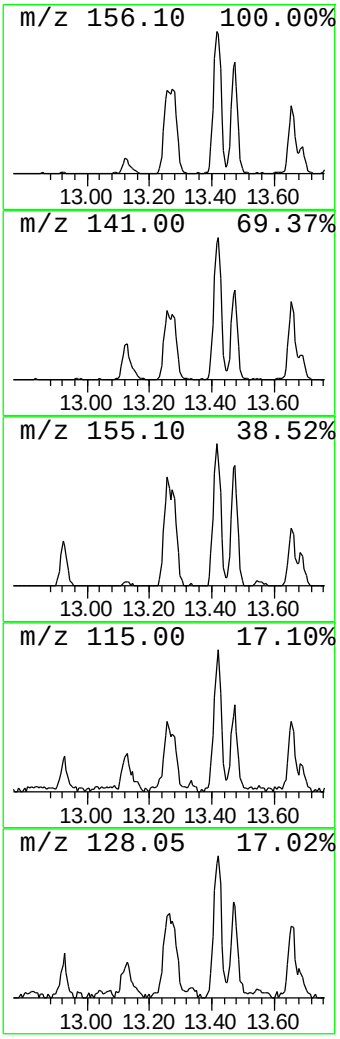
****

Peak Number 11 Naphthalene, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.02 ng/ul	317273	Acenaphthene-d10	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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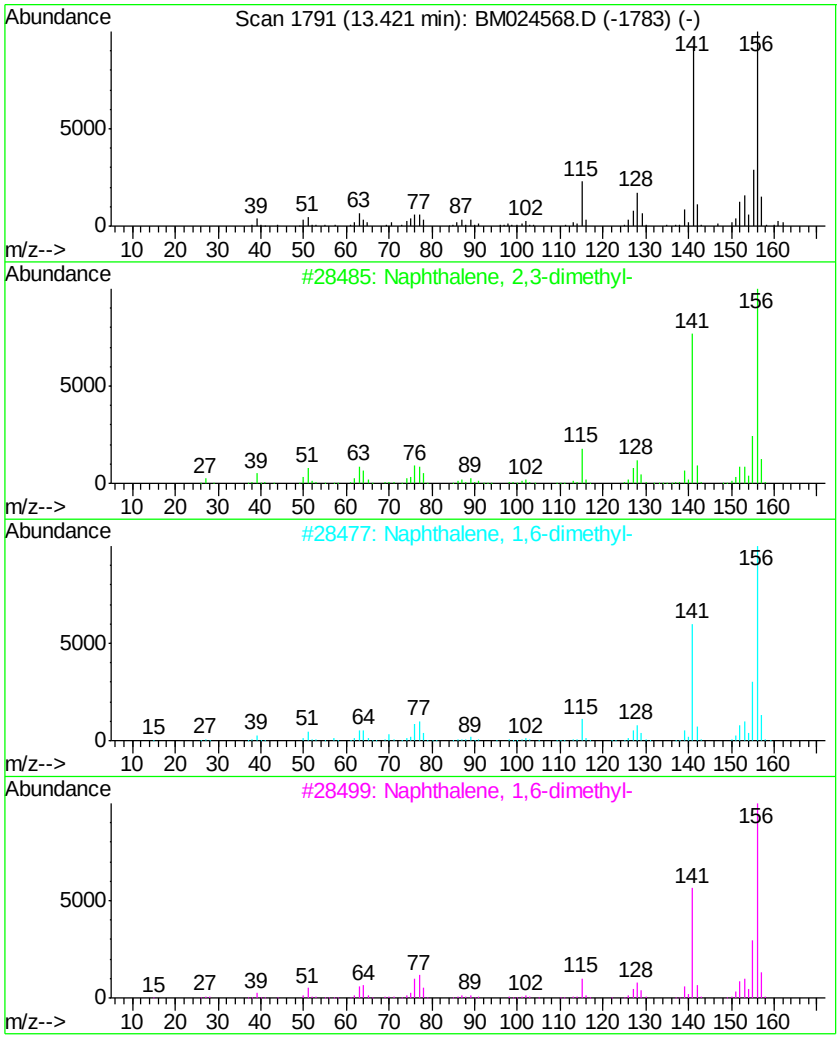
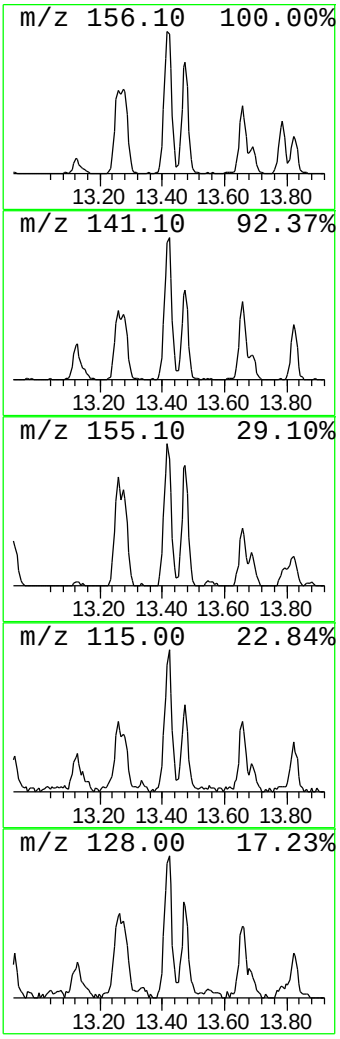
Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	3.55 ng/ul	557524	Acenaphthene-d10	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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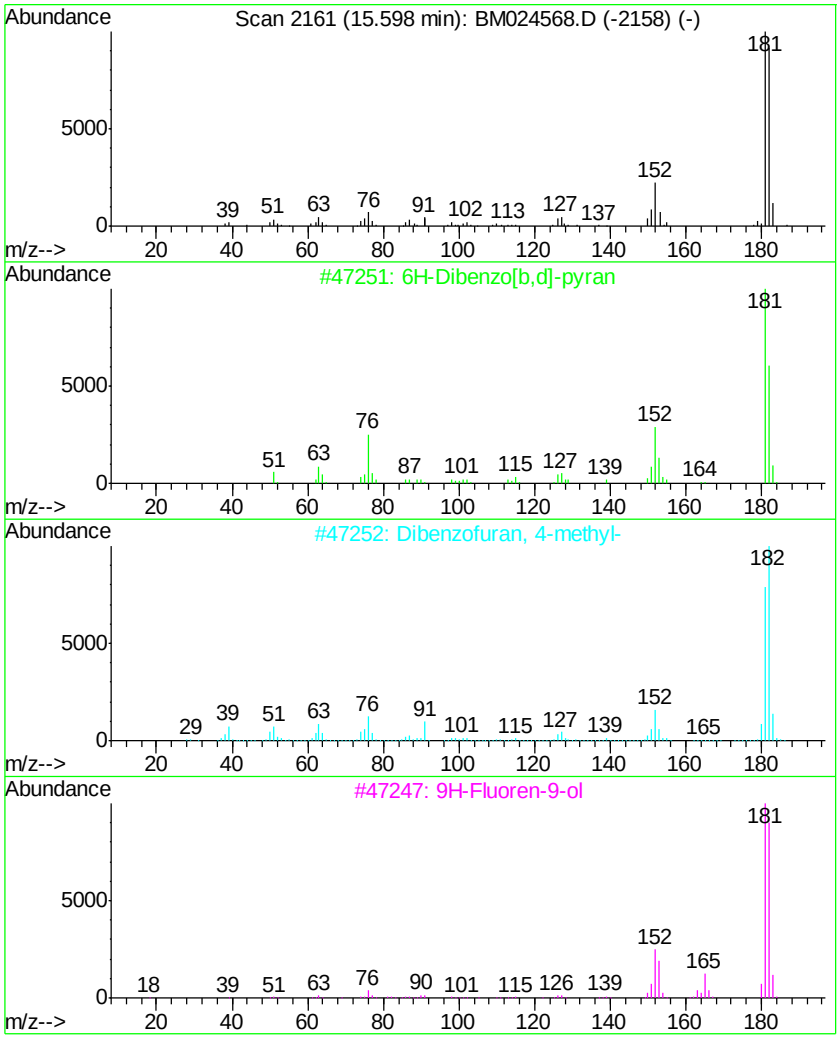
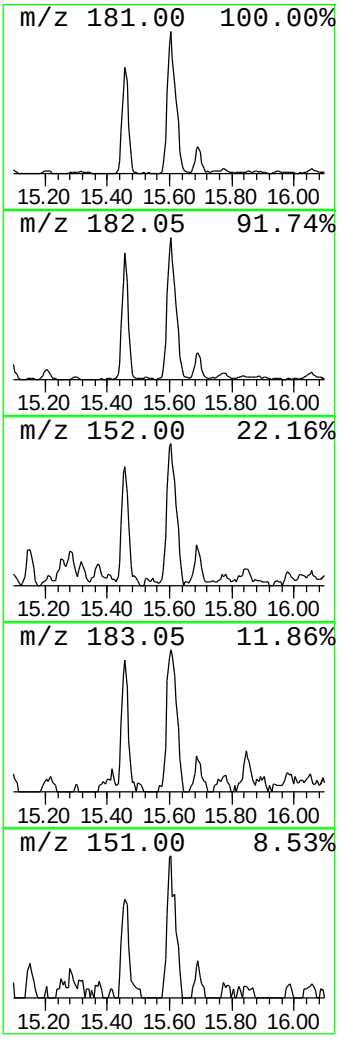
Peak Number 13 6H-Dibenzo[b,d]-pyran Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	2.36 ng/ul	456264	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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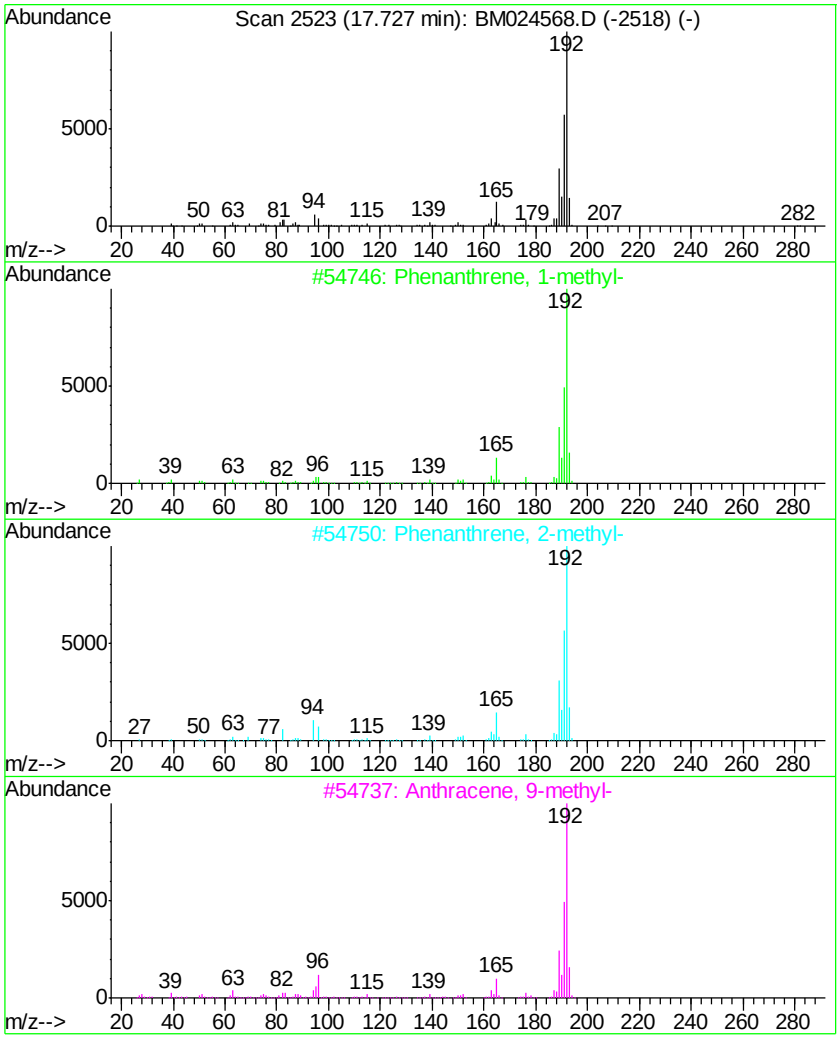
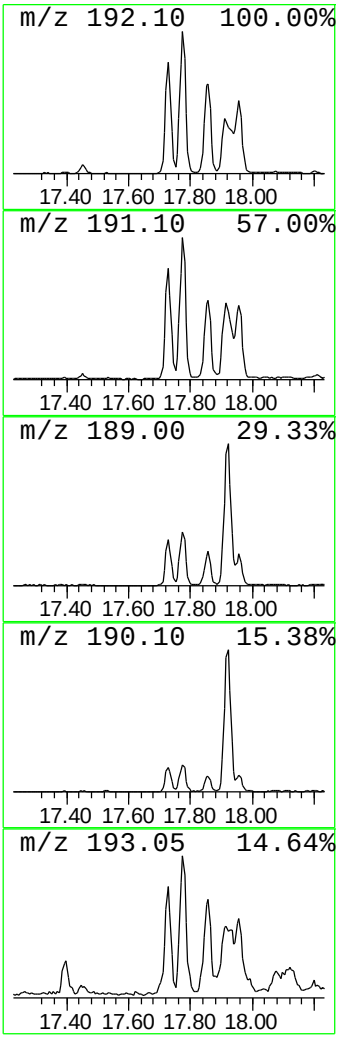
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	2.47 ng/ul	476890	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024568.D
Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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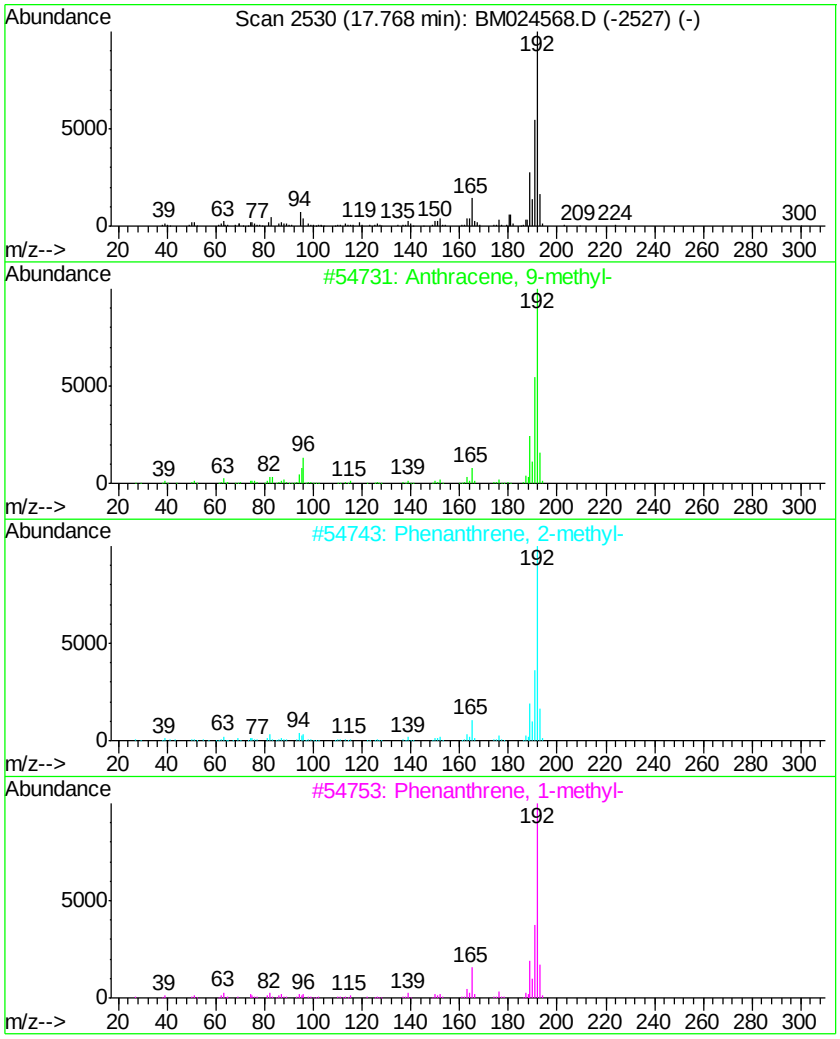
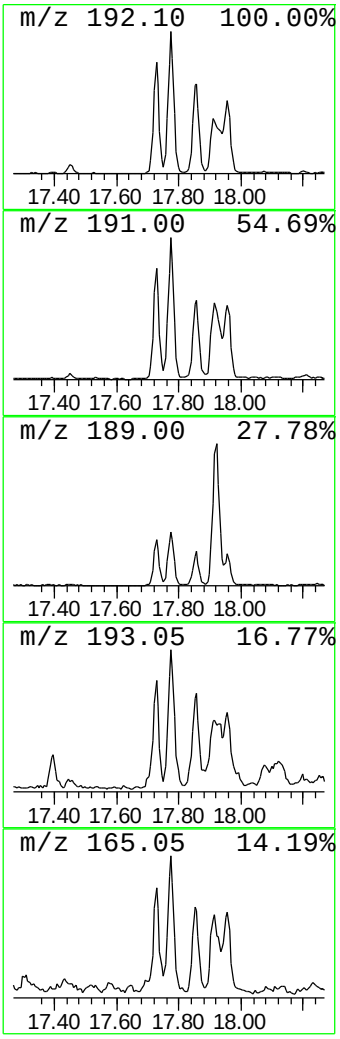
Peak Number 15 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	3.65 ng/ul	706308	Phenanthrene-d10	16.85

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





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Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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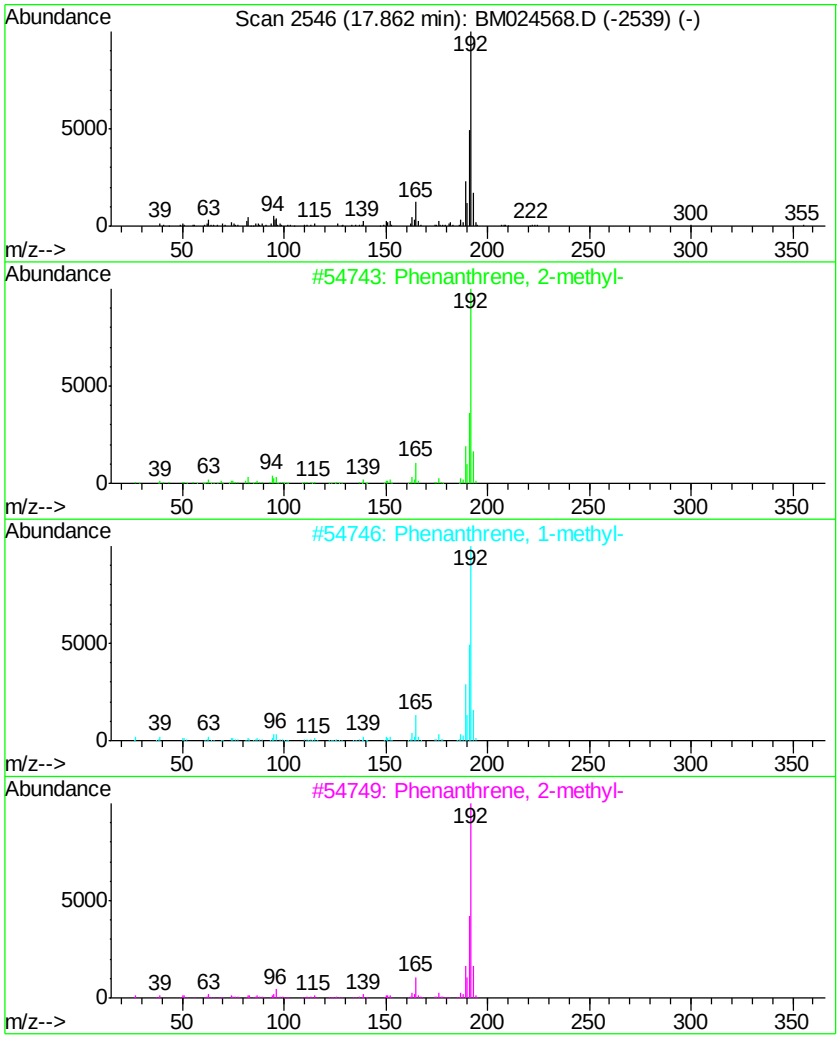
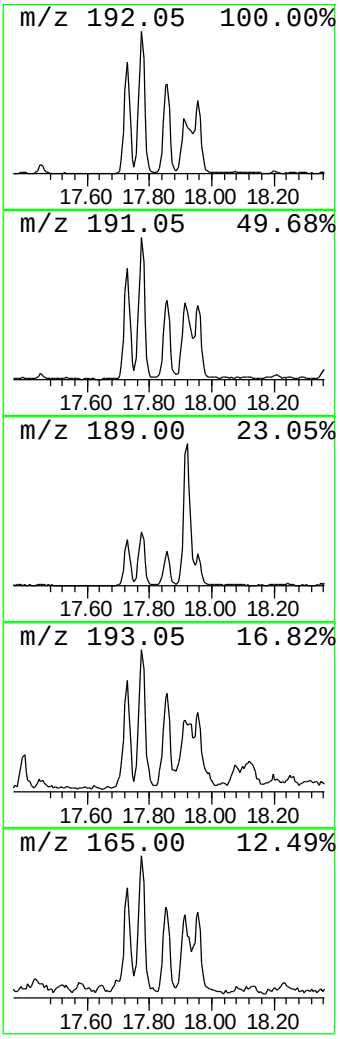
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	2.20 ng/ul	426198	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Acq On : 21 Jan 2020 18:07
Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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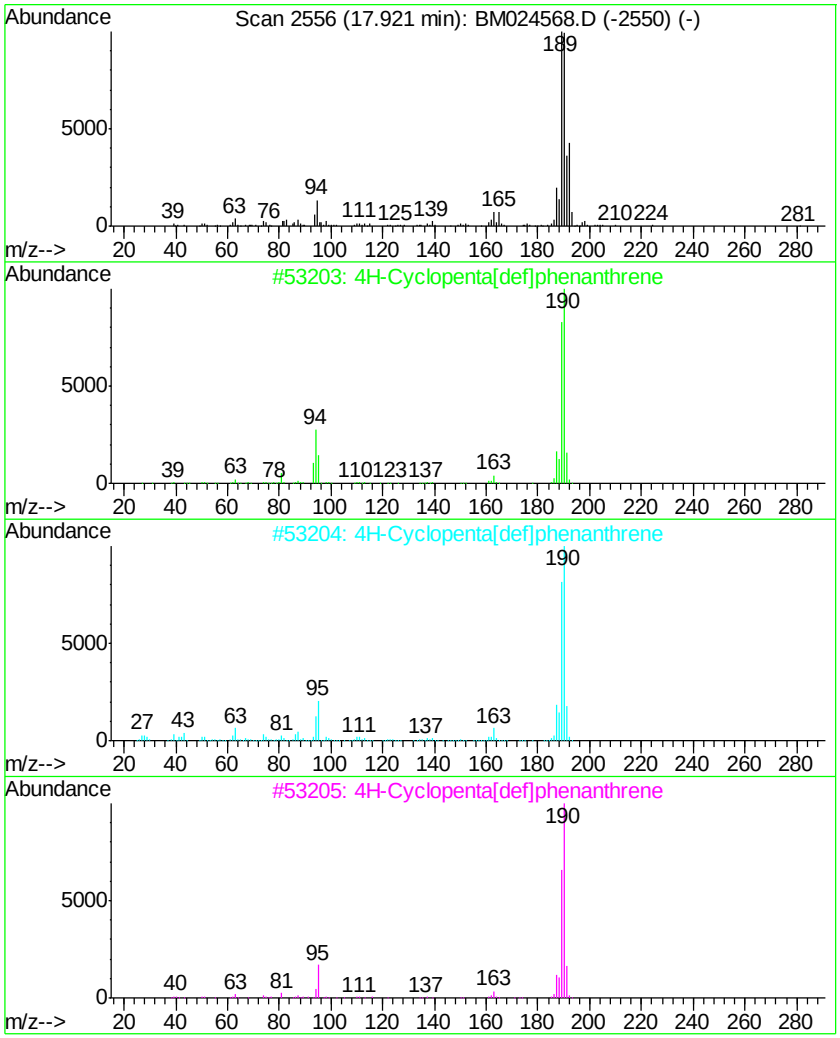
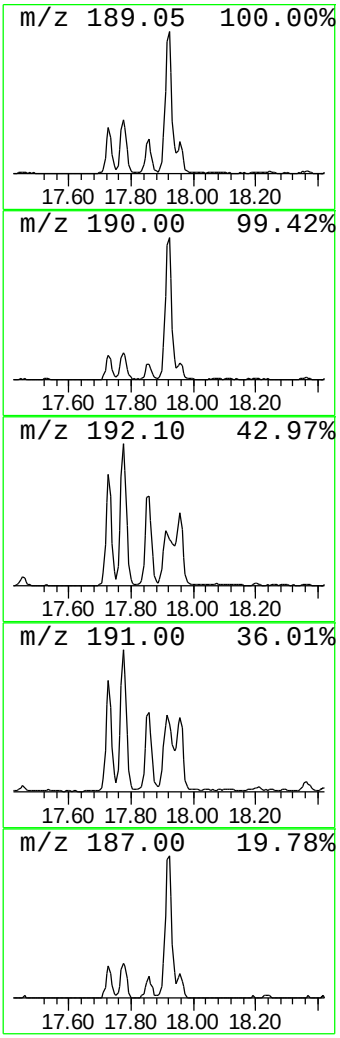
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	4.33 ng/ul	836686	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	25





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Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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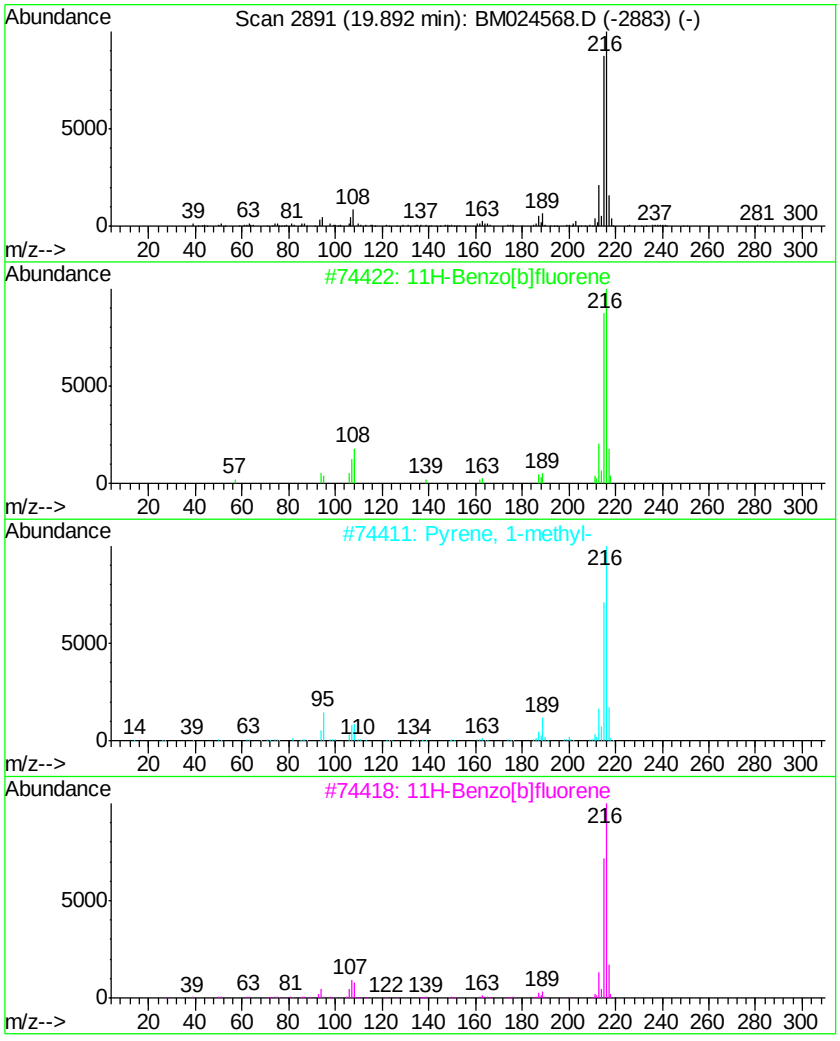
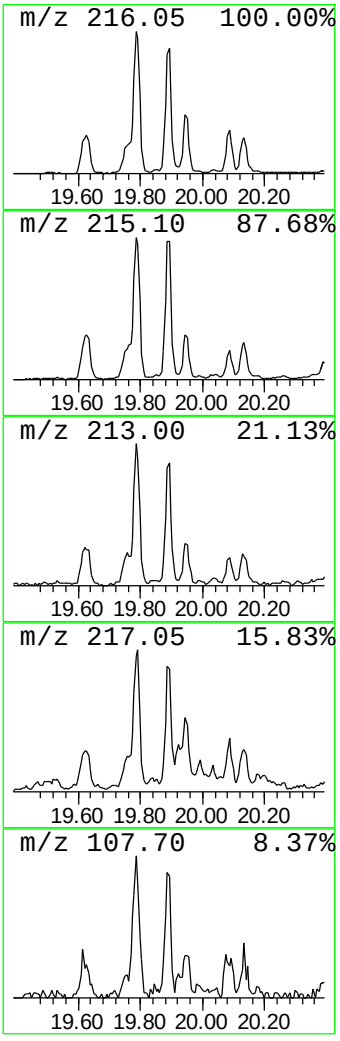
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	2.06 ng/ul	578568	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Tentatively Identified Compound (LSC) summary

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Operator : JU
Sample : L1109-11MEDL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASH0MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,3-dime...	5.16	4.5	ng/ul	289465	1	7.45	1281290	20.0
Benzene, 1,2,3-tr...	7.12	4.0	ng/ul	254227	1	7.45	1281290	20.0
Benzofuran	7.18	2.5	ng/ul	160544	1	7.45	1281290	20.0
Indene	7.98	8.8	ng/ul	561531	1	7.45	1281290	20.0
Benzene, 1-butynyl-	9.66	2.2	ng/ul	223784	2	10.21	2002000	20.0
Quinoline	11.04	2.1	ng/ul	205760	2	10.21	2002000	20.0
Naphthalene, 1-me...	12.11	9.4	ng/ul	937280	2	10.21	2002000	20.0
Naphthalene, 2,6-...	13.26	2.0	ng/ul	317273	3	14.10	3143770	20.0
Naphthalene, 2,3-...	13.42	3.5	ng/ul	557524	3	14.10	3143770	20.0
6H-Dibenzo[b,d]-p...	15.60	2.4	ng/ul	456264	4	16.85	3866440	20.0
Phenanthrene, 1-m...	17.73	2.5	ng/ul	476890	4	16.85	3866440	20.0
Anthracene, 9-met...	17.77	3.6	ng/ul	706308	4	16.85	3866440	20.0
Phenanthrene, 2-m...	17.86	2.2	ng/ul	426198	4	16.85	3866440	20.0
4H-Cyclopenta[def...	17.92	4.3	ng/ul	836686	4	16.85	3866440	20.0
11H-Benzo[b]fluorene	19.89	2.1	ng/ul	578568	5	21.06	5630690	20.0