LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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	6.646	632	639	644	rVV3	89474	159632	2.50%	0.204%
2	6.993	691	698	704	rVB2	94093	155684	2.44%	0.199%
3	7.116	712	719	726	rBV2	206982	331258	5.18%	0.423%
4	7.451	770	776	783	rBV	783825	1187214	18.58%	1.514%
5	7.981	857	866	877	rVB2	81828	162842	2.55%	0.208%
6	8.163	891	897	903	rVB2	106040	172635	2.70%	0.220%
7	8.593	966	970	974	rVV	90818	162396	2.54%	0.207%
8	9.640	1137	1148	1154	rBV5	104707	246015	3.85%	0.314%
9	9.722	1156	1162	1167	rVV2	101566	188389	2.95%	0.240%
10	9.840	1177	1182	1192	rVB	122897	223676	3.50%	0.285%
11	10.210	1238	1245	1252	rBV	1128155	1971118	30.84%	2.514%
12	10.351	1263	1269	1275	rBV	104983	189246	2.96%	0.241%
13	11.692	1488	1497	1502	rBV	118950	191533	3.00%	0.244%
14	11.886	1523	1530	1539	rVB	554723	892990	13.97%	1.139%
15	12.110	1556	1568	1575	rBV	1233687	2010902	31.46%	2.565%
16	12.922	1700	1706	1710	rBV	343664	511844	8.01%	0.653%
17	13.257	1757	1763	1765	rBV	398227	624392	9.77%	0.796%
18	13.422	1781	1791	1796	rBV	674386	1214894	19.01%	1.550%
19	13.475	1796	1800	1804	rVV	497677	736970	11.53%	0.940%
20	13.522	1804	1808	1817	rVV	255612	459341	7.19%	0.586%
21	13.657	1819	1831	1835	rVV	330017	576333	9.02%	0.735%
22	13.786	1847	1853	1855	rVV	292501	451244	7.06%	0.576%
23	13.816	1855	1858	1866	rVB2	603151	934379	14.62%	1.192%
24	14.051	1890	1898	1901	rVV	145049	200523	3.14%	0.256%
25	14.098	1901	1906	1912	rVV	1967095	3024171	47.32%	3.857%
26	14.163	1912	1917	1921	rVV	231126	336013	5.26%	0.429%
27	14.316	1938	1943	1953	rBV4	134275	317746	4.97%	0.405%
28	14.504	1965	1975	1984	rBV2	843886	1413033	22.11%	1.802%
29	14.592	1984	1990	1994	rBV	195220	270984	4.24%	0.346%
30	14.733	2007	2014	2019	rBV3	149270	287011	4.49%	0.366%
31	14.786	2019	2023	2031	rVB	190234	260301	4.07%	0.332%
32	14.904	2034	2043	2046	rBV	148274	343387	5.37%	0.438%
33	15.098	2072	2076	2081	rVB	451034	615657	9.63%	0.785%
34	15.157	2081	2086	2092	rVB	1218359	1667718	26.09%	2.127%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
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Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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	15.457	2132	2137	2141	rBV	332922	435128	6.81%	0.555%
36	15.604	2148	2162	2171	rVB	397595	879082	13.75%	1.121%
37	15.692	2171	2177	2183	rVB2	97547	158448	2.48%	0.202%
38	15.874	2205	2208	2211	rVB	147462	149144	2.33%	0.190%
39	16.163	2248	2257	2262	rVV4	260140	621482	9.72%	0.793%
40	16.216	2262	2266	2272	rVV	149162	248168	3.88%	0.317%
41	16.316	2278	2283	2289	rVB	108620	186239	2.91%	0.238%
42	16.398	2289	2297	2301	rBV2	178079	342141	5.35%	0.436%
43	16.439	2301	2304	2307	rVV3	138974	199466	3.12%	0.254%
44	16.504	2312	2315	2323	rVB2	197961	334165	5.23%	0.426%
45	16.592	2325	2330	2337	rBV	169266	321219	5.03%	0.410%
46	16.669	2337	2343	2348	rVV	400189	559613	8.76%	0.714%
47	16.851	2363	2374	2377	rBV	2456831	3470278	54.30%	4.427%
48	16.892	2377	2381	2386	rVV	4094871	5453156	85.32%	6.956%
49	16.951	2386	2391	2393	rVV	478187	744515	11.65%	0.950%
50	16.980	2393	2396	2404	rVB	1162599	1537494	24.06%	1.961%
51	17.051	2404	2408	2414	rBV3	97153	179292	2.81%	0.229%
52	17.251	2431	2442	2447	rBV2	304608	586814	9.18%	0.749%
53	17.404	2462	2468	2471	rBV5	168960	274427	4.29%	0.350%
54	17.574	2493	2497	2505	rVB2	98413	161851	2.53%	0.206%
55	17.727	2518	2523	2527	rVV	695173	972475	15.22%	1.240%
56	17.774	2527	2531	2539	rVB	1007457	1429731	22.37%	1.824%
57	17.857	2539	2545	2549	rBV	477907	687993	10.76%	0.878%
58	17.916	2549	2555	2559	rBV2	827779	1462092	22.88%	1.865%
59	17.957	2559	2562	2570	rVB	478539	661568	10.35%	0.844%
60	18.233	2605	2609	2613	rBV	342249	463033	7.24%	0.591%
61	18.486	2648	2652	2657	rVV2	146413	219659	3.44%	0.280%
62	18.539	2657	2661	2664	rVV	142682	182177	2.85%	0.232%
63	18.574	2664	2667	2672	rVB2	147855	195872	3.06%	0.250%
64	18.657	2674	2681	2686	rBV2	412654	777362	12.16%	0.992%
65	18.721	2686	2692	2700	rVV3	287210	890511	13.93%	1.136%
66	18.798	2700	2705	2713	rVB3	189645	461548	7.22%	0.589%
67	18.915	2720	2725	2732	rBV	2406783	3306991	51.74%	4.218%
68	19.068	2747	2751	2756	rVB	272053	352574	5.52%	0.450%
69	19.257	2777	2783	2784	rBV	976889	1245307	19.48%	1.588%
70	19.280	2784	2787	2792	rVV	2186120	2948474	46.13%	3.761%
71	19.321	2792	2794	2797	rVV2	141902	162548	2.54%	0.207%

LSC Area Percent Report

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Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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	19.362	2797	2801	2810	rVB2	197343	432720	6.77%	0.552%
73	19.468	2814	2819	2823	rBV	235512	320822	5.02%	0.409%
74	19.621	2837	2845	2850	rBV3	288845	730720	11.43%	0.932%
75	19.757	2863	2868	2870	rVV2	245841	414599	6.49%	0.529%
76	19.786	2870	2873	2879	rVB	561919	784329	12.27%	1.000%
77	19.892	2887	2891	2894	rVV	345769	446541	6.99%	0.570%
78	19.945	2894	2900	2906	rVV2	490506	762337	11.93%	0.972%
79	20.033	2911	2915	2919	rBV	101371	164768	2.58%	0.210%
80	20.086	2920	2924	2928	rVB	244707	287179	4.49%	0.366%
81	20.127	2928	2931	2939	rBV2	241274	376618	5.89%	0.480%
82	20.362	2966	2971	2972	rBV4	108943	154615	2.42%	0.197%
83	20.539	2997	3001	3008	rVB	229889	368239	5.76%	0.470%
84	20.698	3023	3028	3033	rBV2	173576	399931	6.26%	0.510%
85	20.745	3033	3036	3039	rVV	268490	325711	5.10%	0.415%
86	20.780	3039	3042	3047	rVV2	148962	333098	5.21%	0.425%
87	20.833	3047	3051	3059	rVB2	306022	571171	8.94%	0.729%
88	21.056	3082	3089	3093	rBV2	3768767	6391443	100.00%	8.153%
89	21.098	3093	3096	3104	rVB	1024588	1395984	21.84%	1.781%
90	21.368	3138	3142	3147	rBV2	127310	242342	3.79%	0.309%
91	21.598	3178	3181	3185	rVV	388835	540837	8.46%	0.690%
92	21.651	3187	3190	3193	rVB	200759	234937	3.68%	0.300%
93	21.786	3209	3213	3215	rBV2	153242	191178	2.99%	0.244%
94	22.556	3339	3344	3349	rBV	511538	1224065	19.15%	1.561%
95	22.715	3367	3371	3377	rVB	154210	255134	3.99%	0.325%
96	22.998	3415	3419	3422	rBV	245413	395733	6.19%	0.505%
97	23.045	3423	3427	3430	rVV	284292	459969	7.20%	0.587%
98	23.086	3430	3434	3439	rVB	512571	809446	12.66%	1.032%
99	23.174	3444	3449	3455	rVB	1849140	3116499	48.76%	3.975%
100	25.244	3796	3801	3810	rVB3	211487	512879	8.02%	0.654%

Sum of corrected areas: 78397352

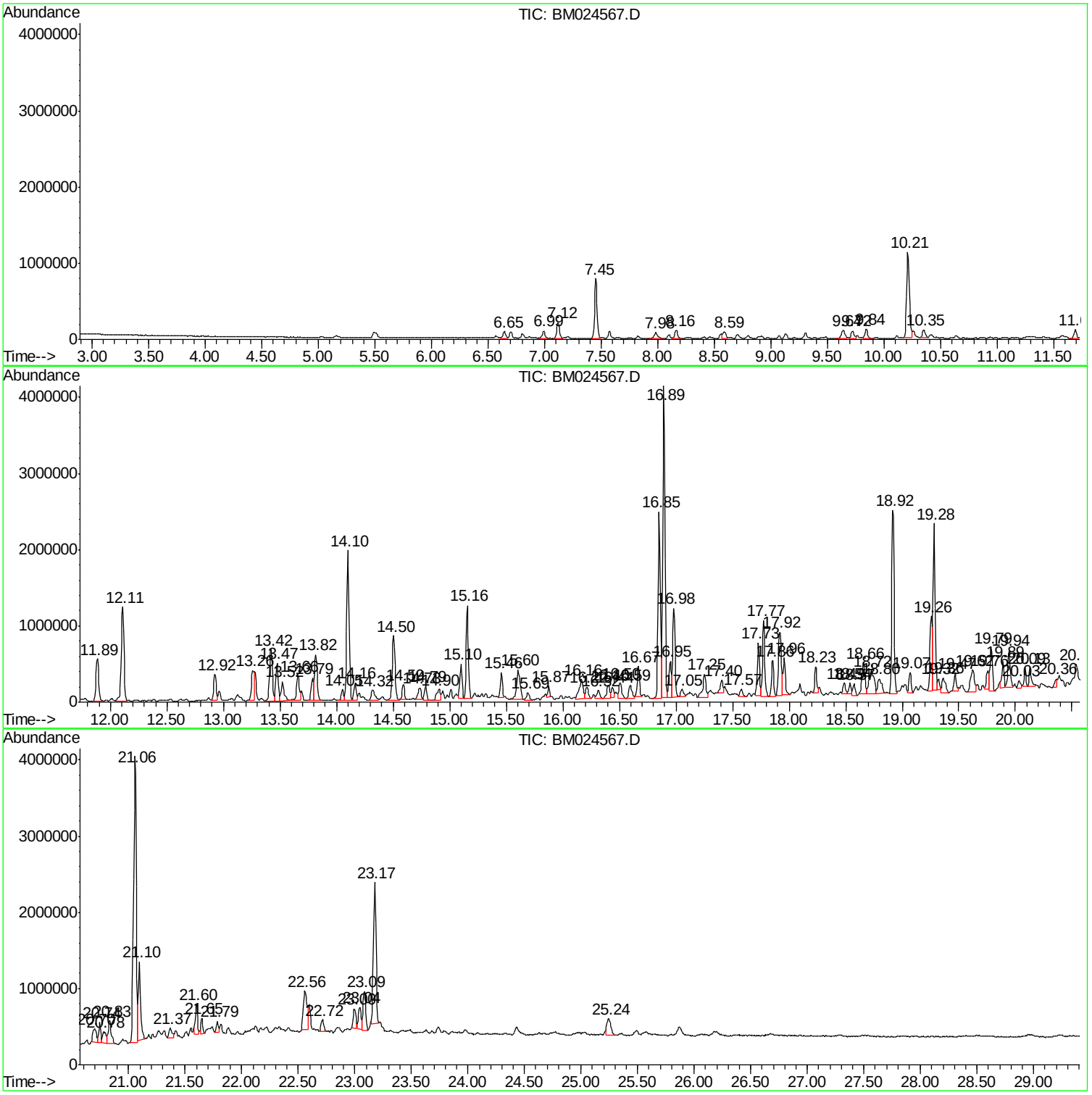
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GASG9MEDL

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 : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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

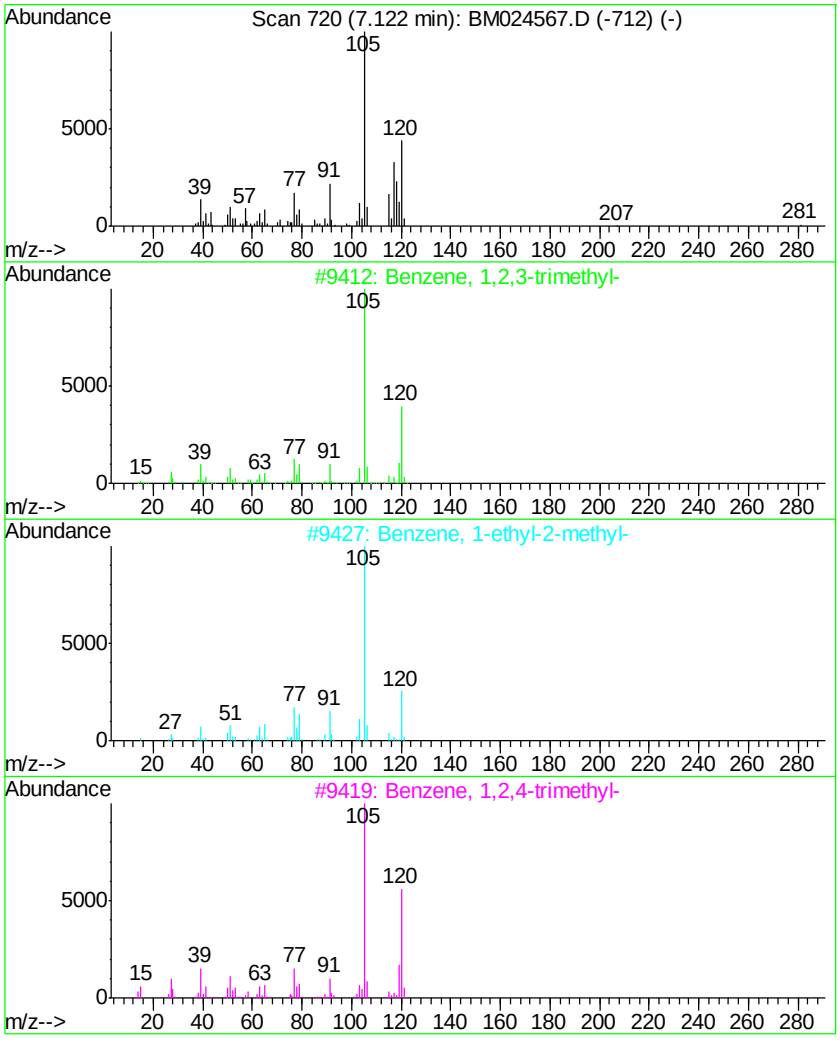
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

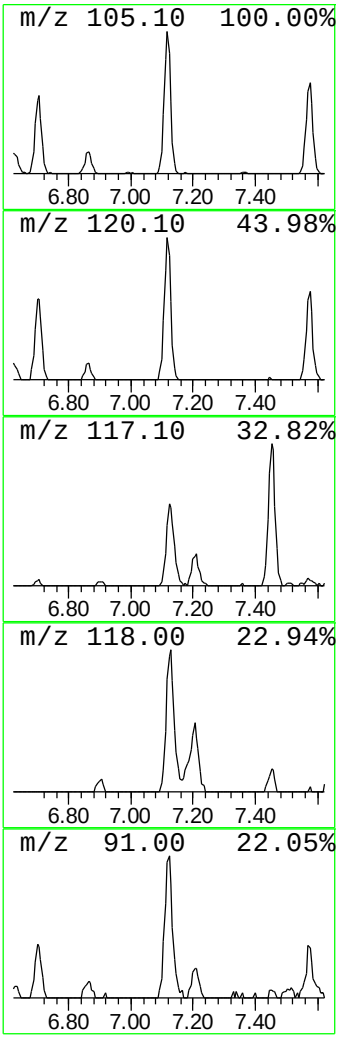
****

Peak Number 1 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	5.58 ng/ul	331258	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	92
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	76
4	Mesitylene	120	C9H12	000108-67-8	70
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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

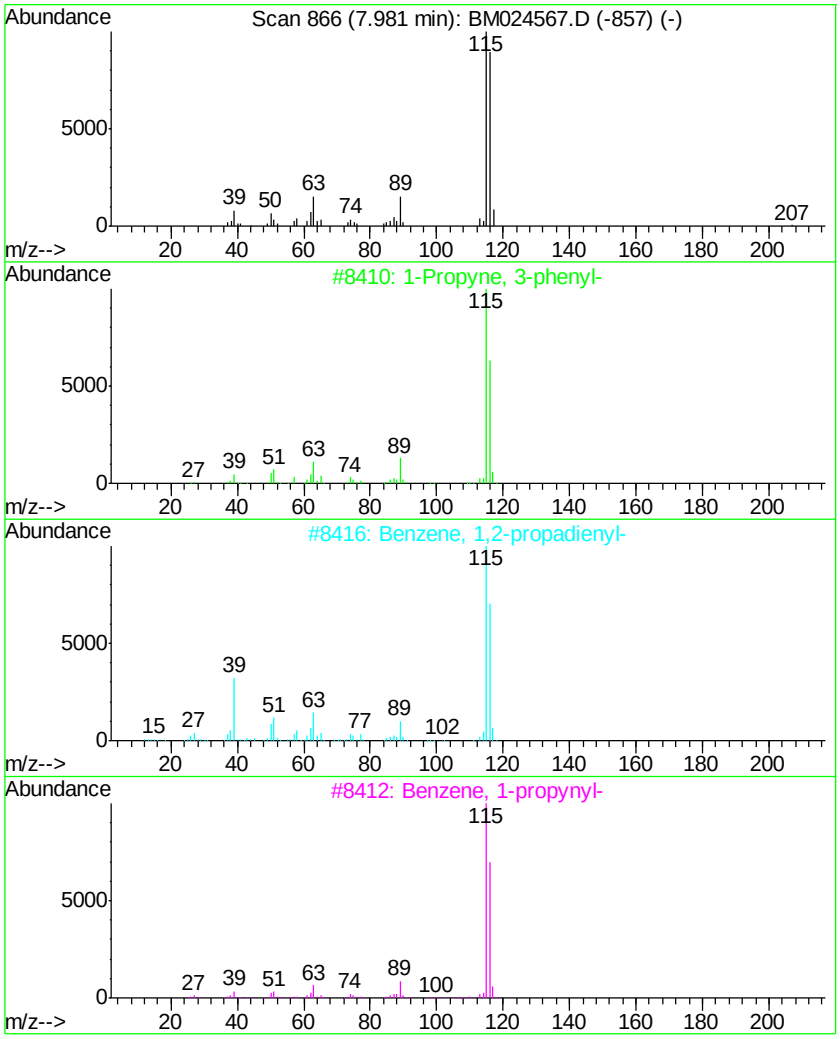
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

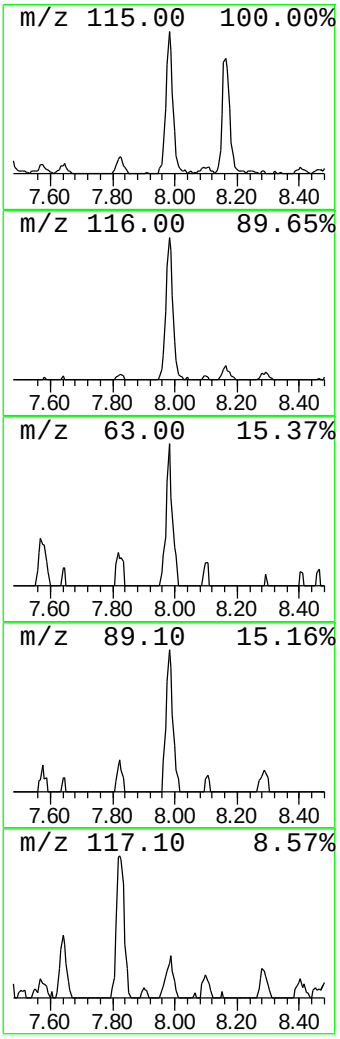
****

Peak Number 2 1-Propyne, 3-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	2.74 ng/ul	162842	1,4-Dichlorobenzene-d4	7.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
2	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





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Misc :
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Instrument : BNA_M
ClientSampleId : GASG9MEDL

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

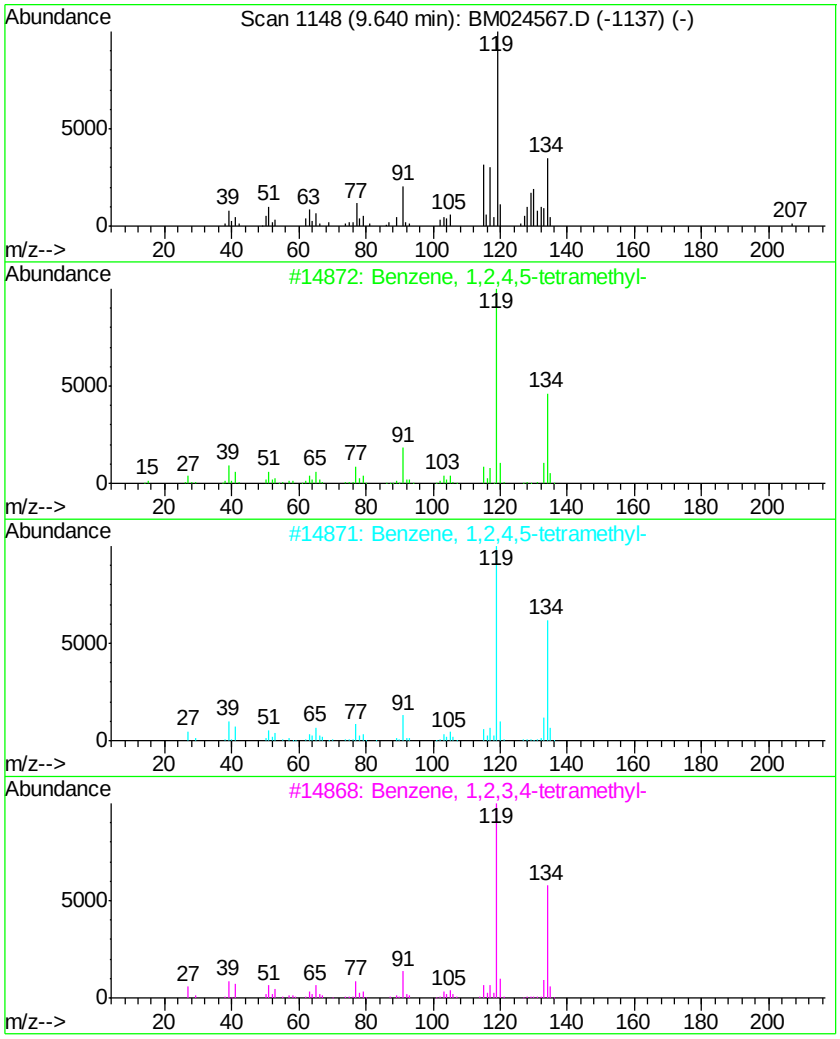
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

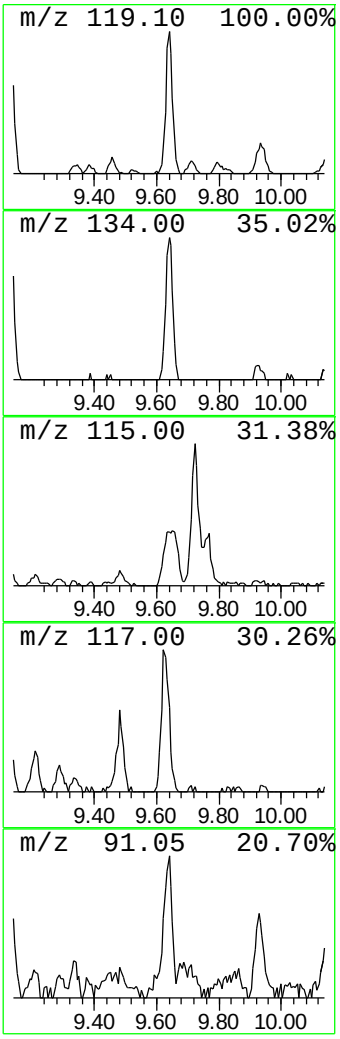
****

Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	2.50 ng/ul	246015	Naphthalene-d8	10.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
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Sample : L1109-10MEDL 10X
Misc :
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Instrument : BNA_M
ClientSampleId : GASG9MEDL

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

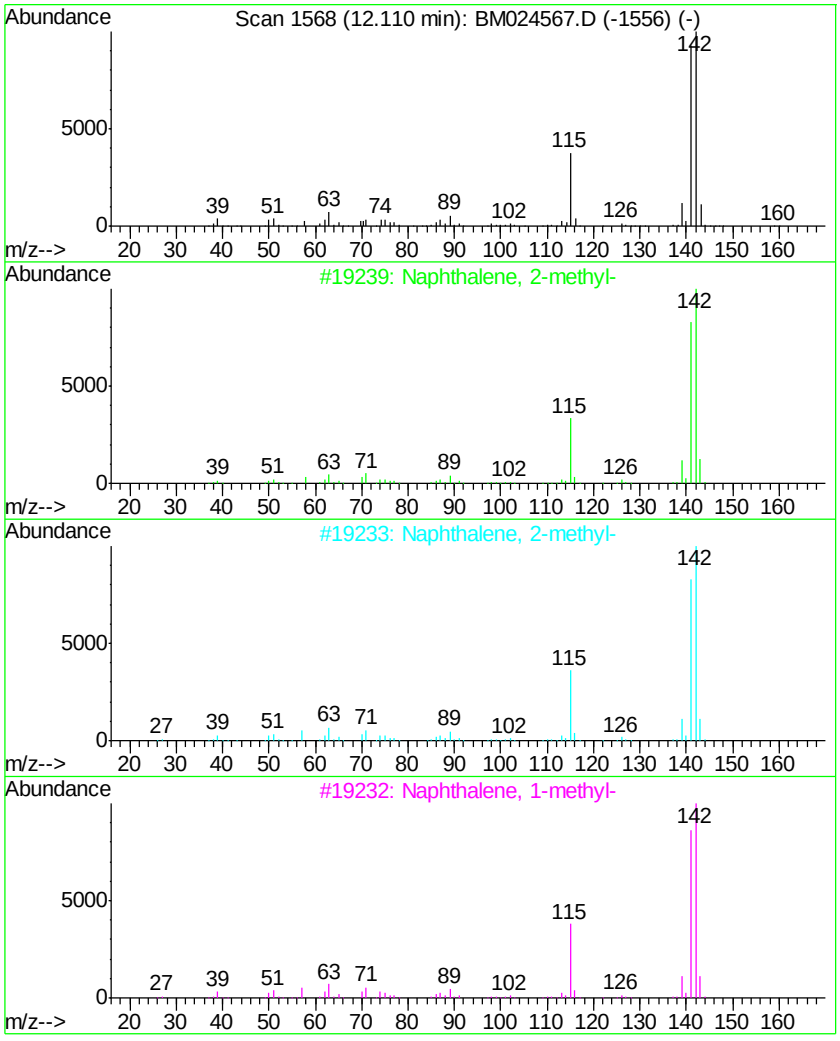
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

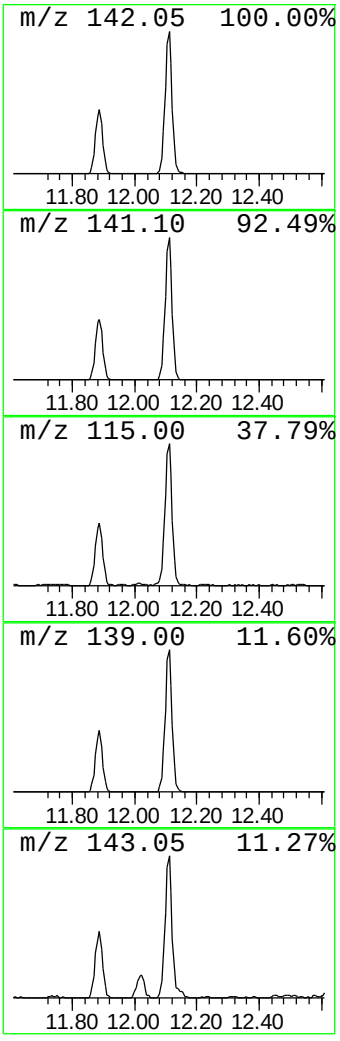
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	20.40 ng/ul	2010900	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, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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

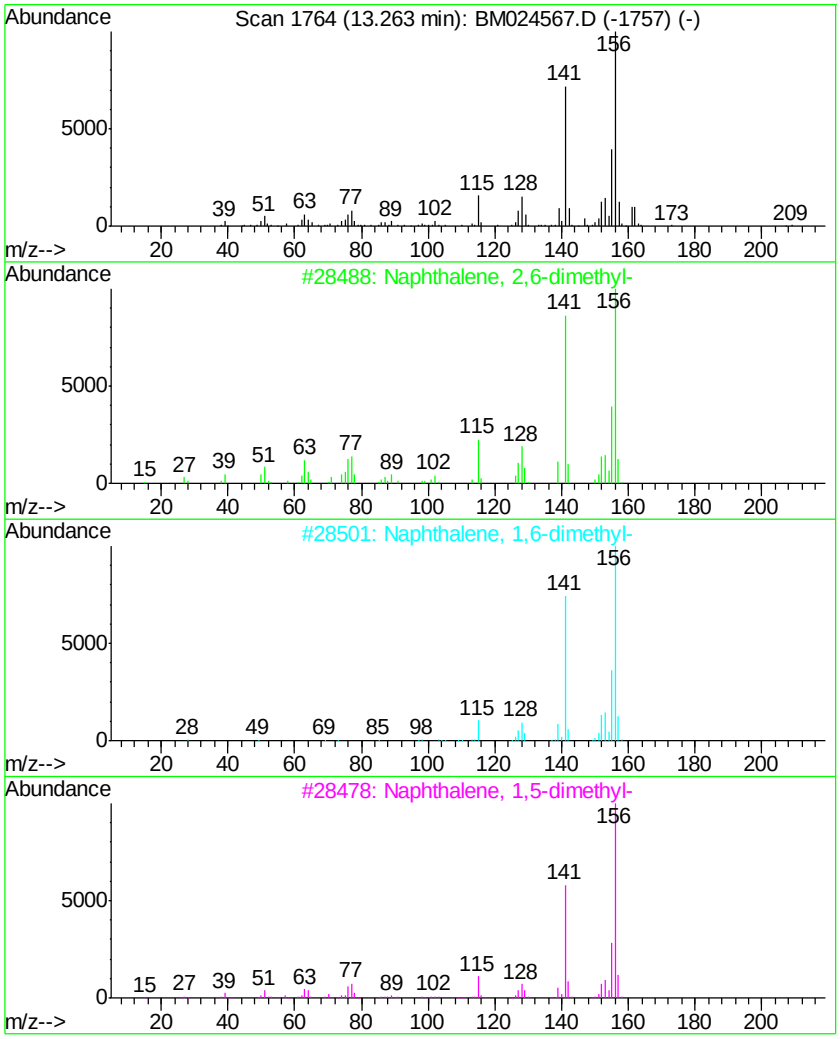
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

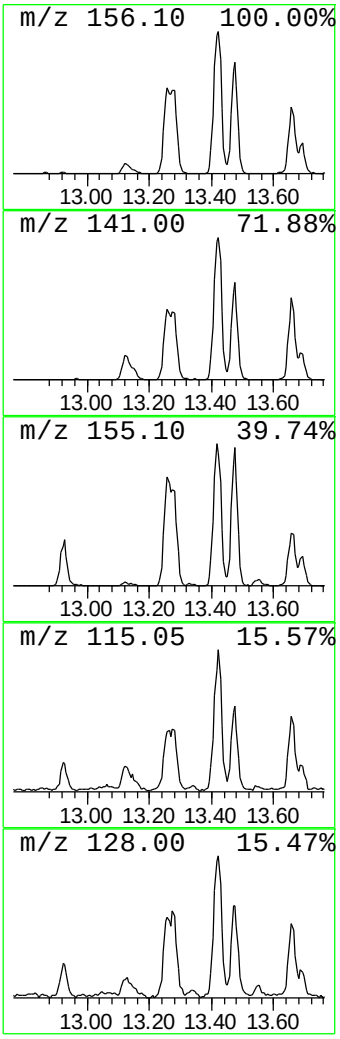
****

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	4.13 ng/ul	624392	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, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Library Search Compound Report

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Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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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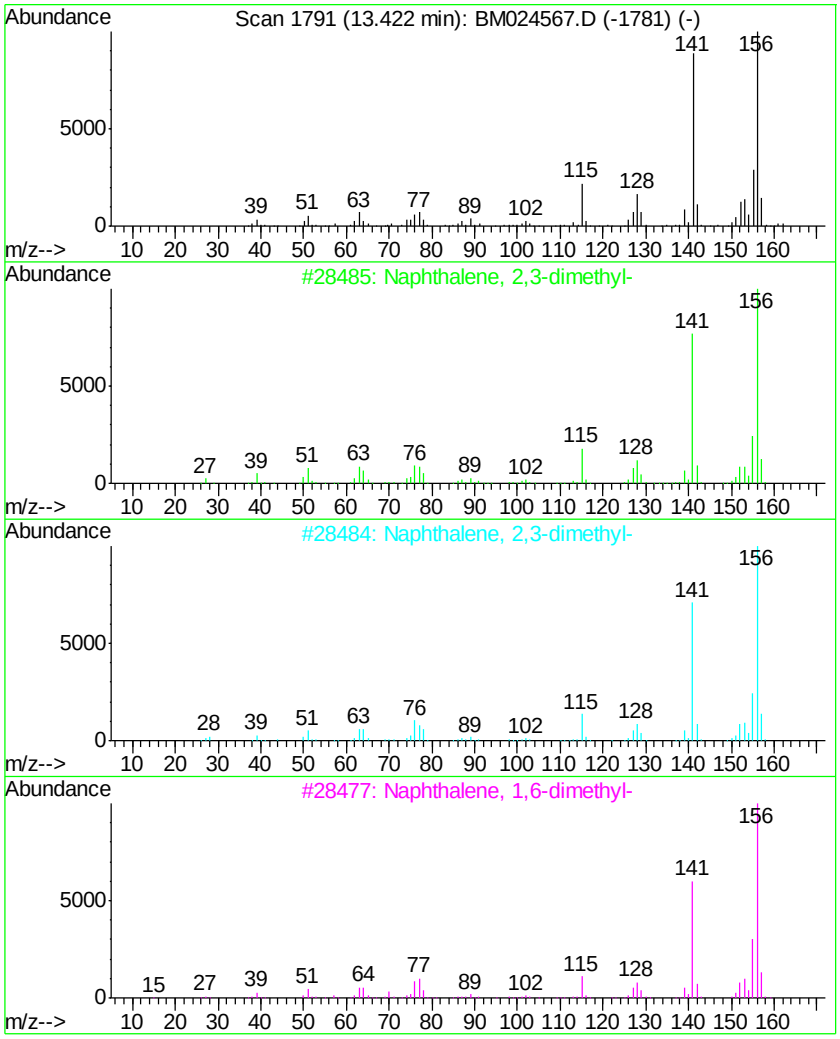
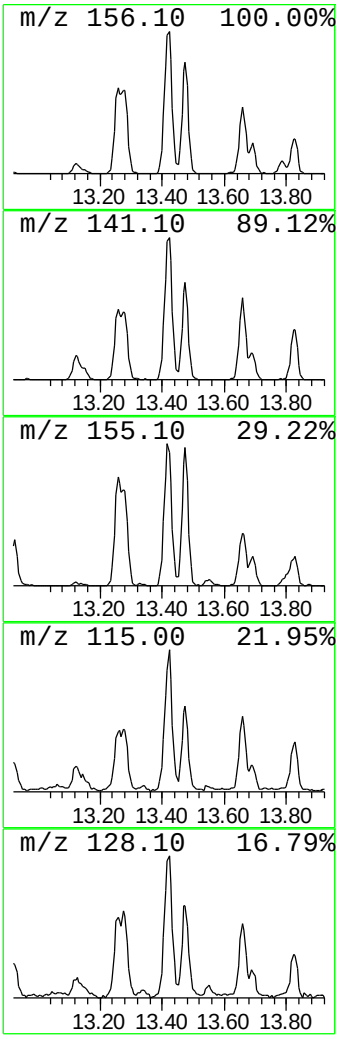
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	8.03 ng/ul	1214890	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, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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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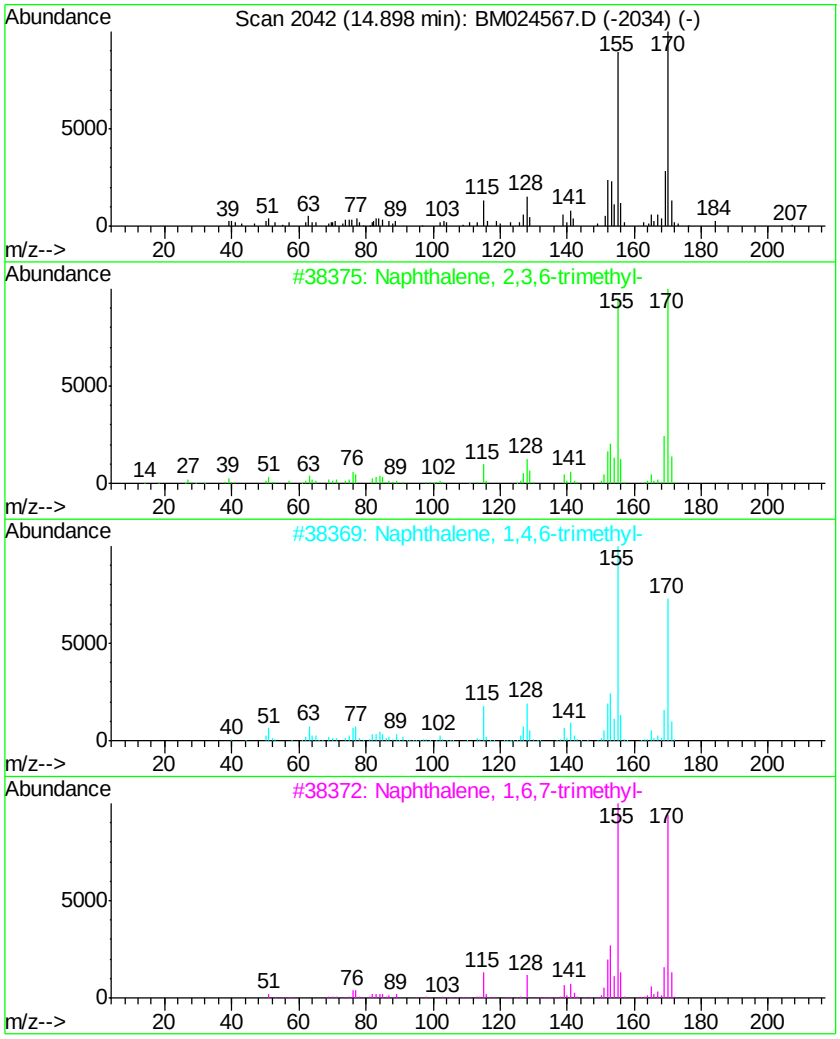
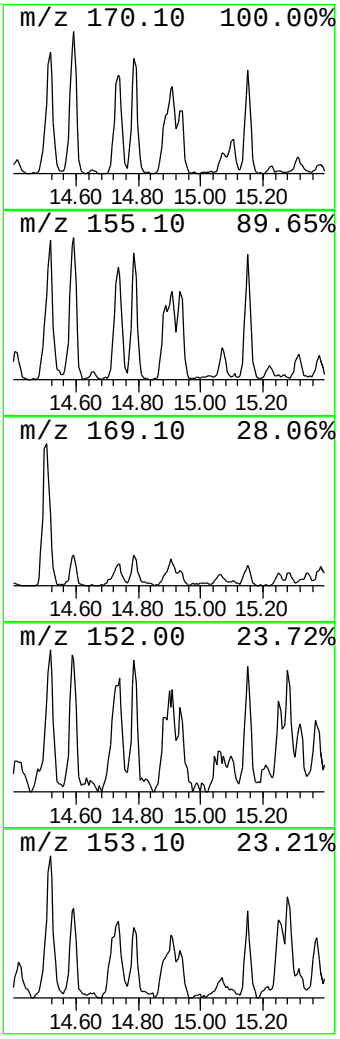
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	2.27 ng/ul	343387	Acenaphthene-d10	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





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Operator : JU
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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

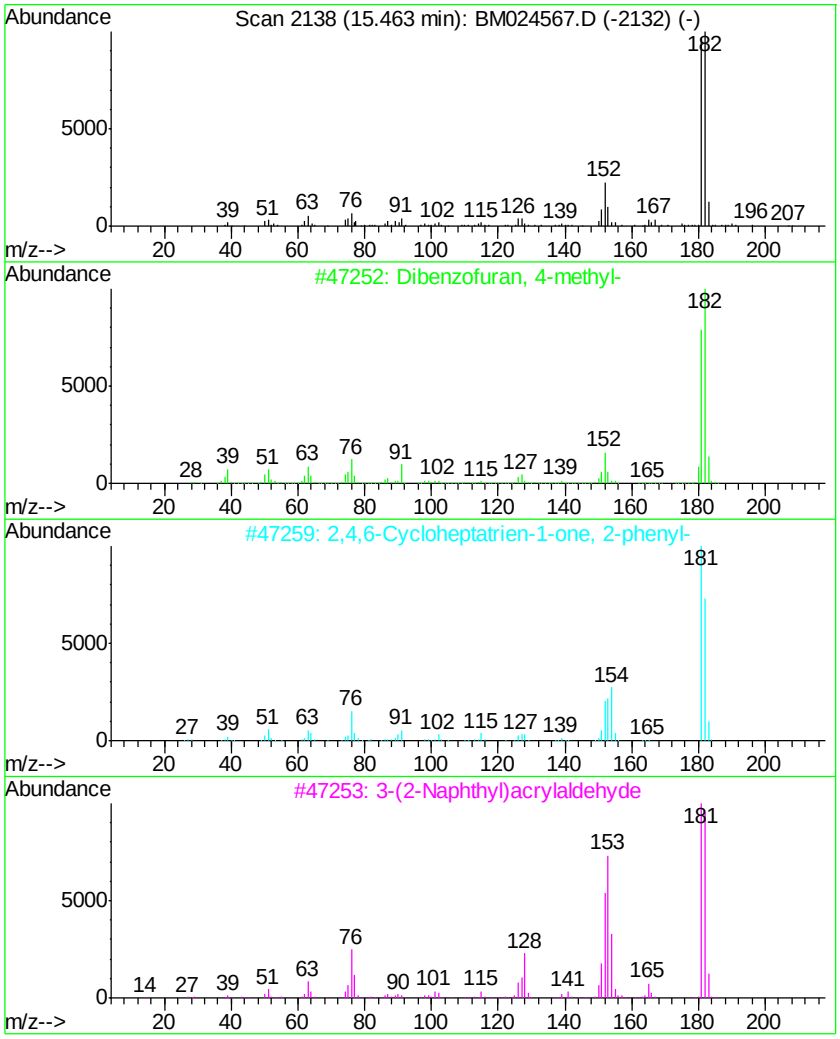
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

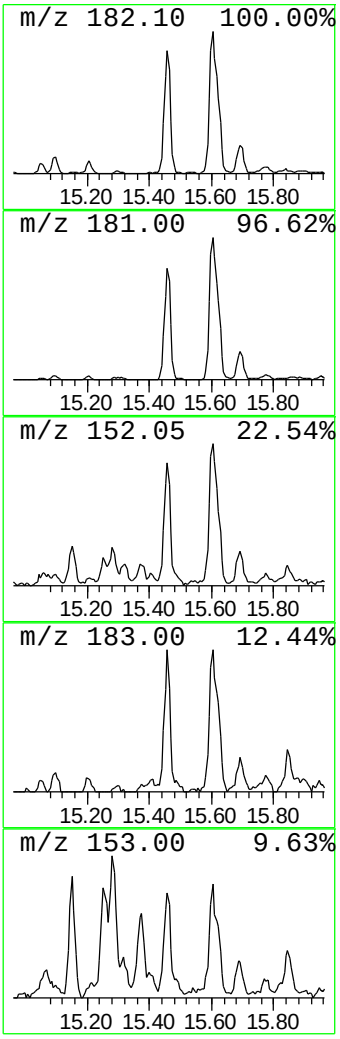
****

Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	2.88 ng/ul	435128	Acenaphthene-d10	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





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Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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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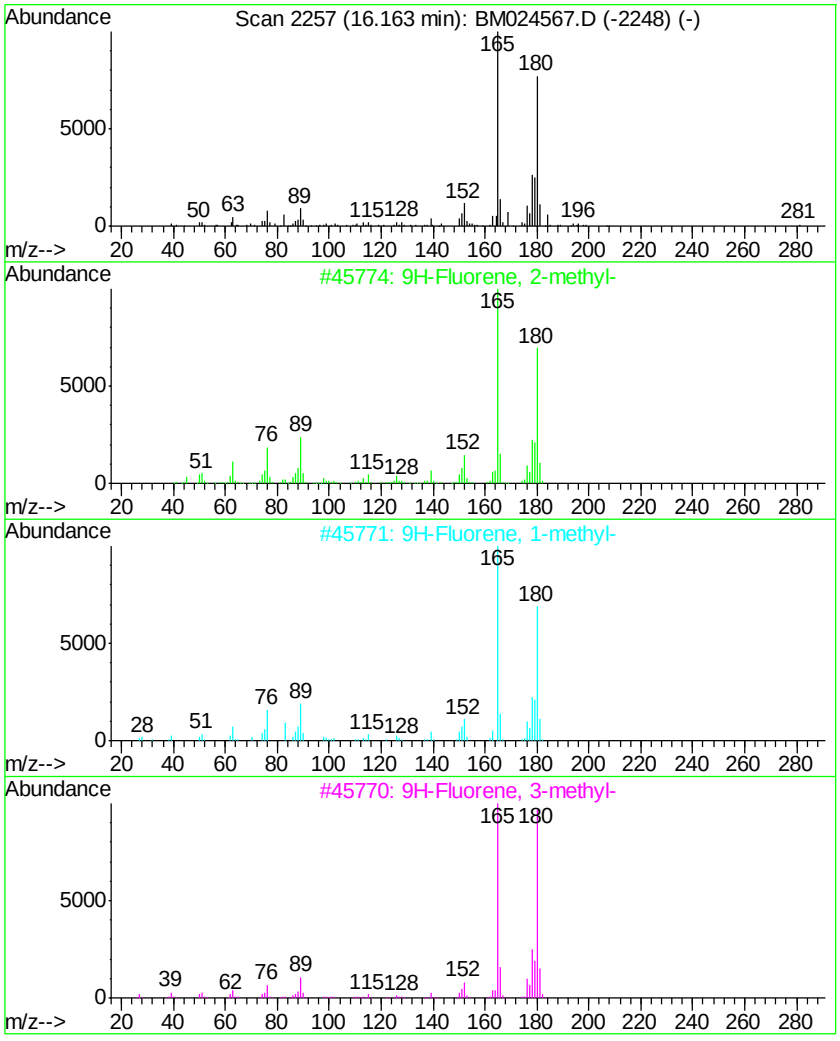
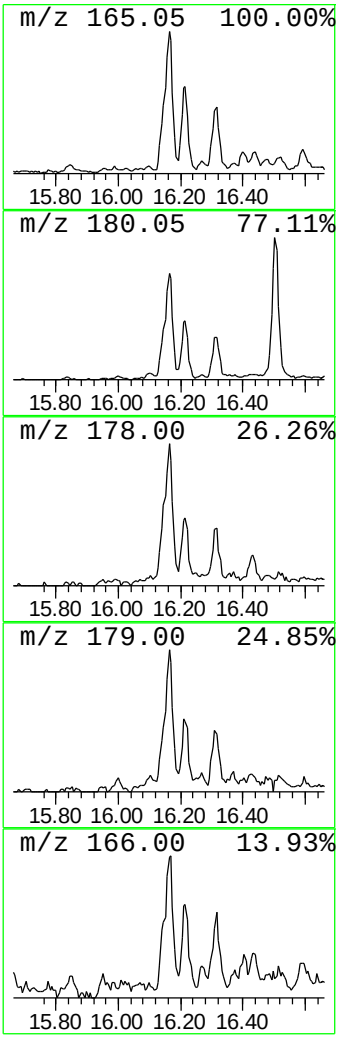
Peak Number 11 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	3.58 ng/ul	621482	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94





Library Search Compound Report

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Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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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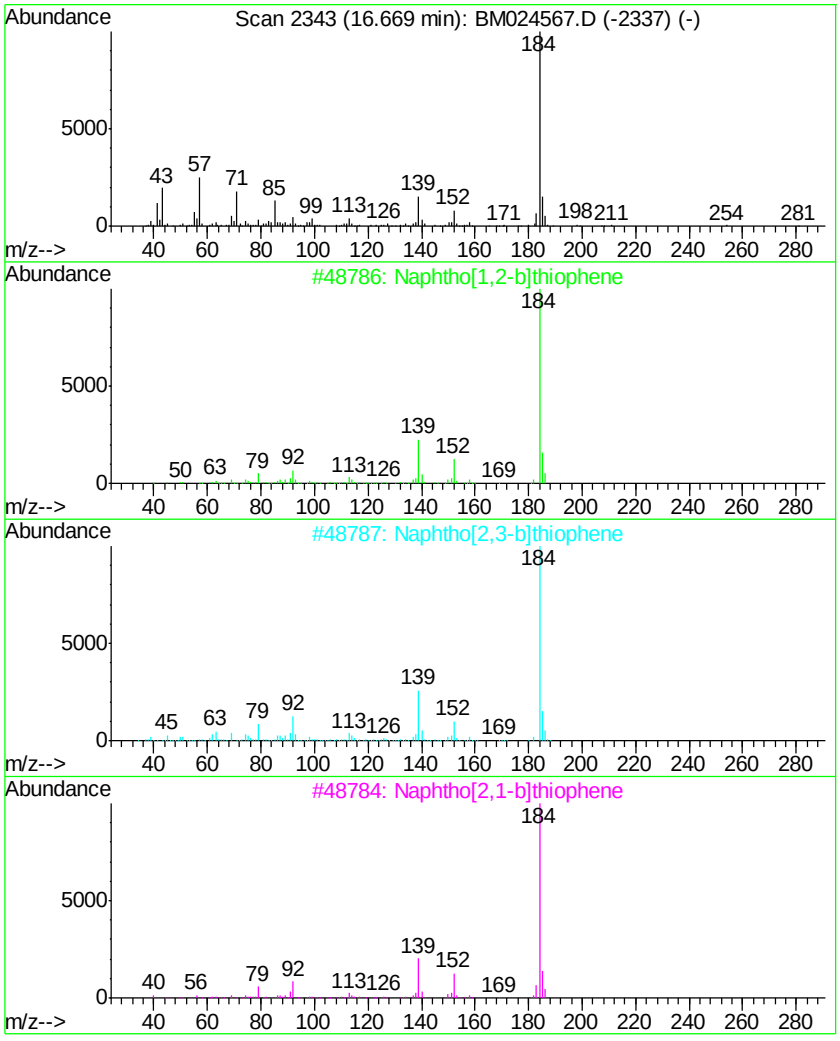
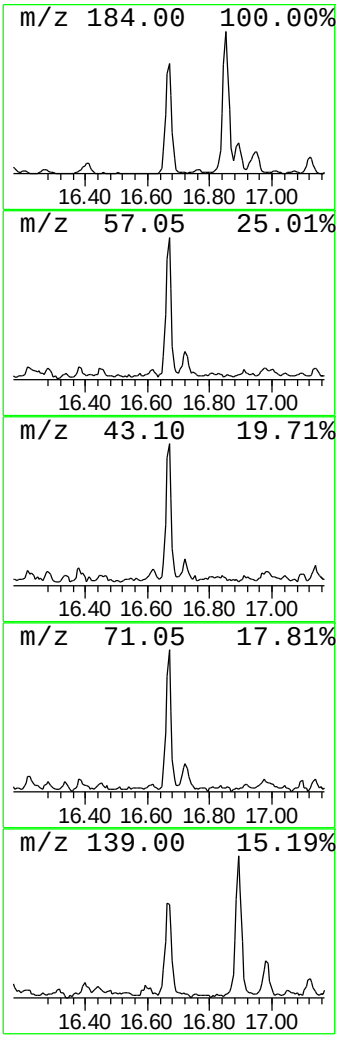
Peak Number 12 Naphtho[1,2-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	3.23 ng/ul	559613	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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

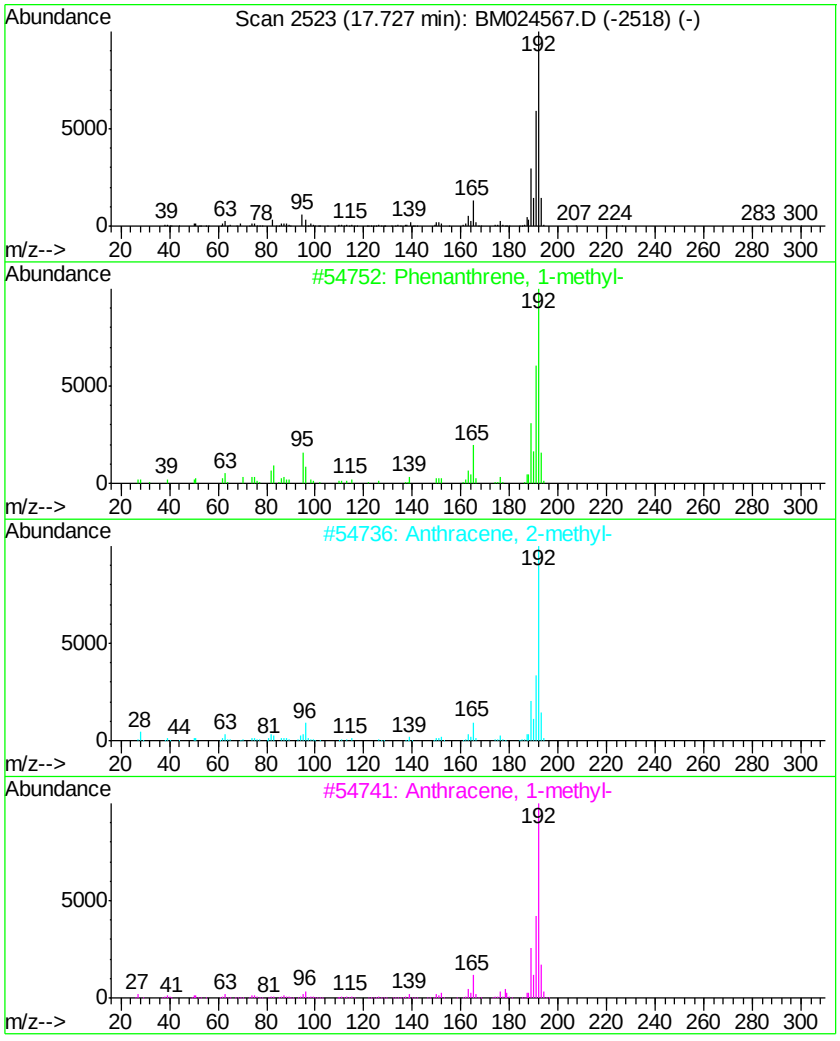
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

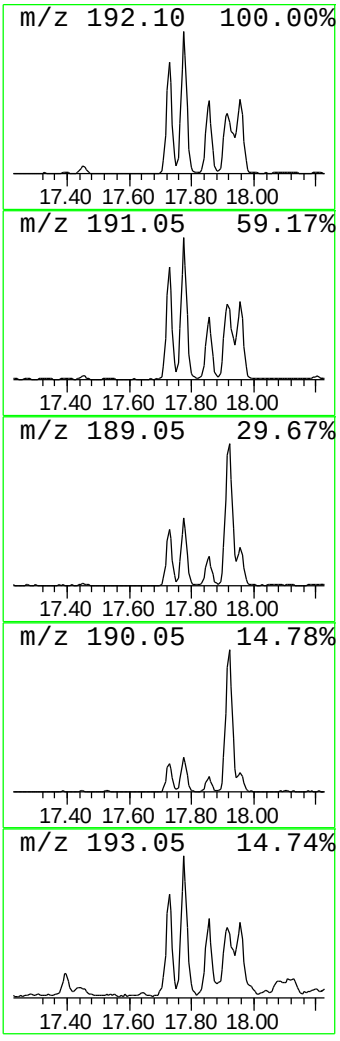
****

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	5.60 ng/ul	972475	Phenanthrene-d10	16.85

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





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Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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

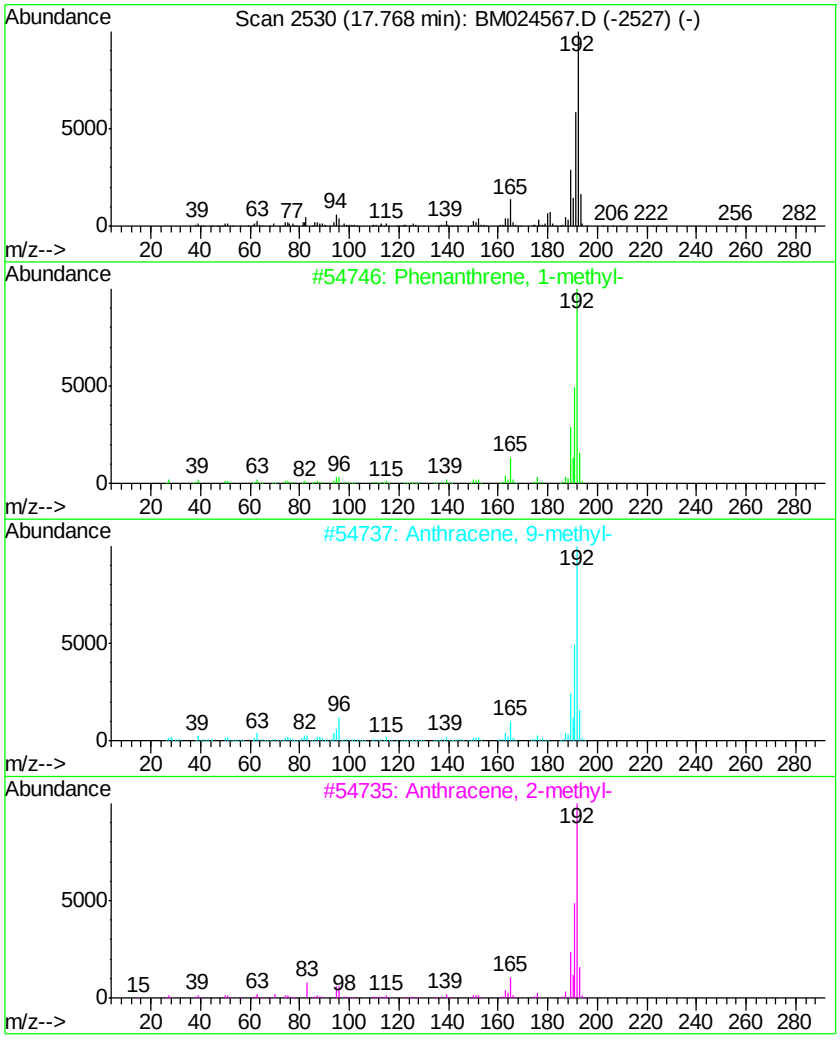
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

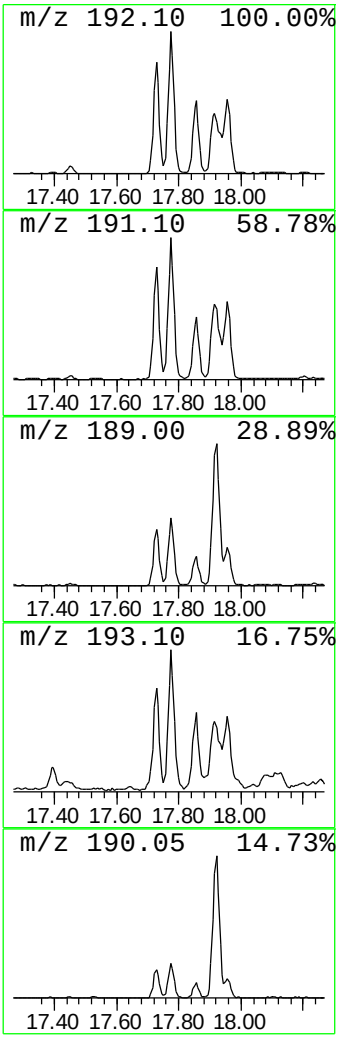
****

Peak Number 14 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	8.24 ng/ul	1429730	Phenanthrene-d10	16.85

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





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Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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Quant Title : SVOA CALIBRATION

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

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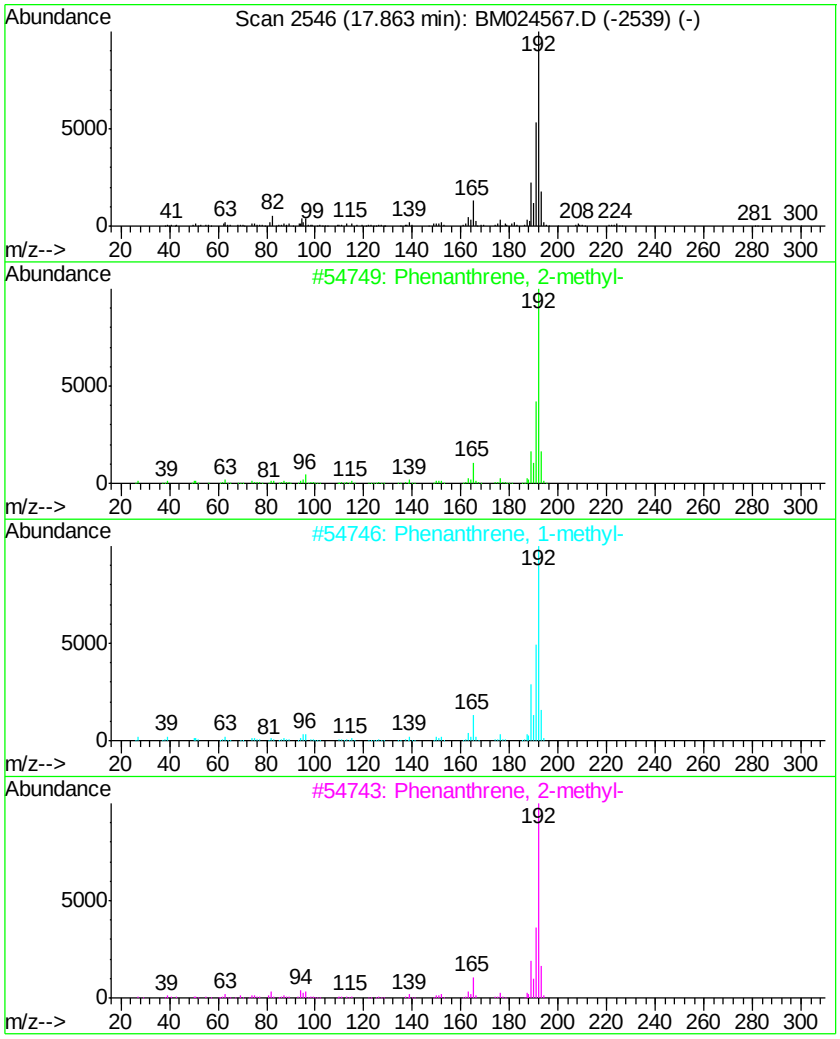
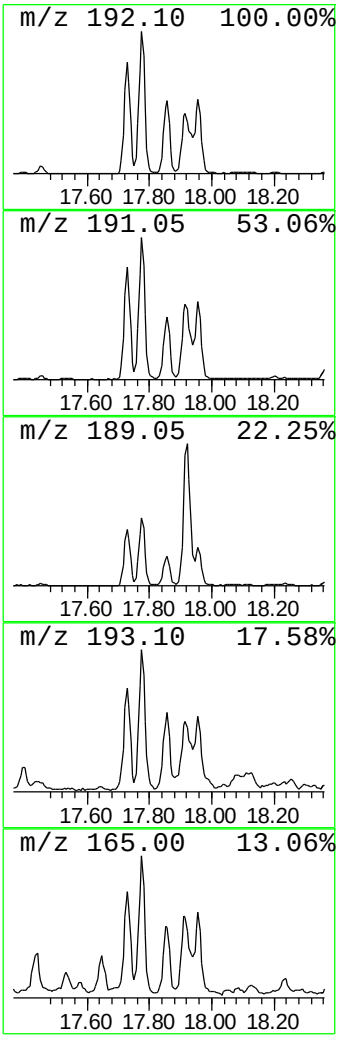
Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	3.97 ng/ul	687993	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	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





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Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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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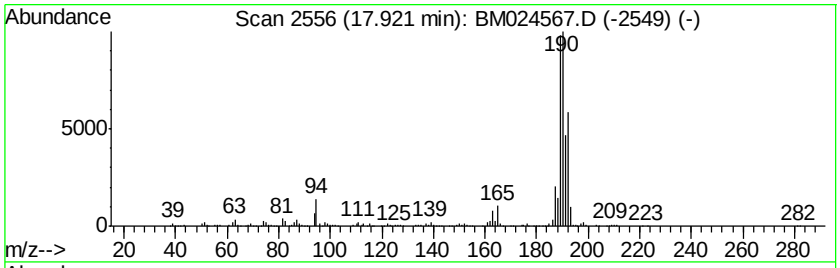
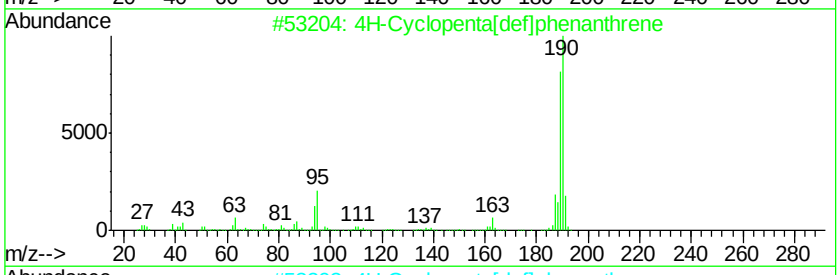
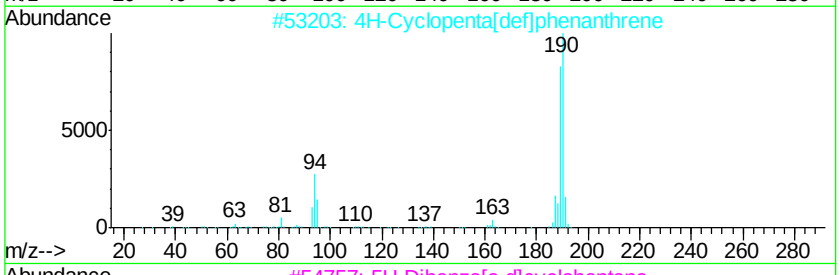
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

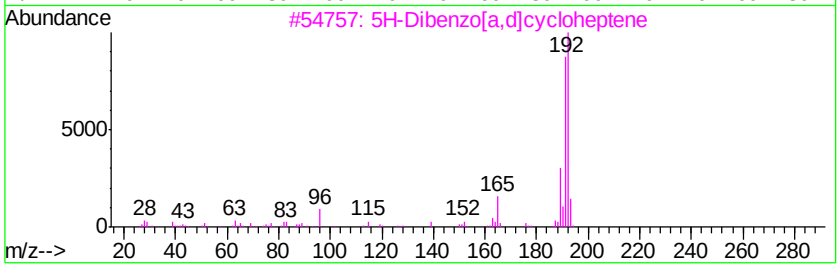
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	8.43 ng/ul	1462090	Phenanthrene-d10	16.85

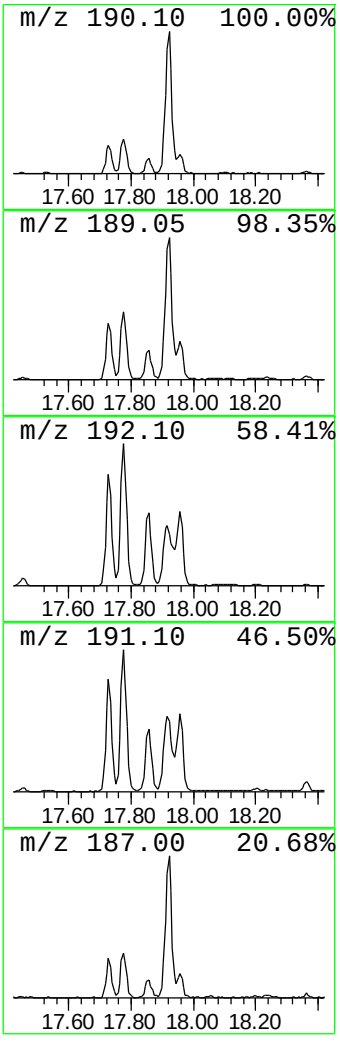
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38











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Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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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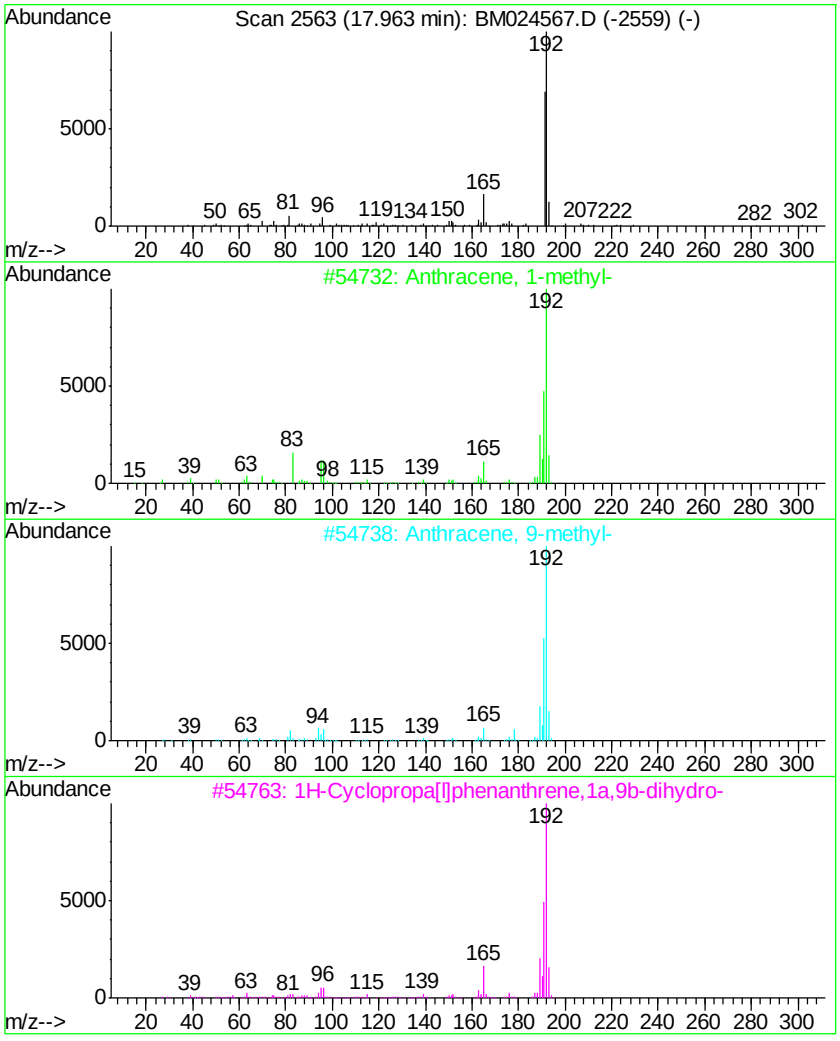
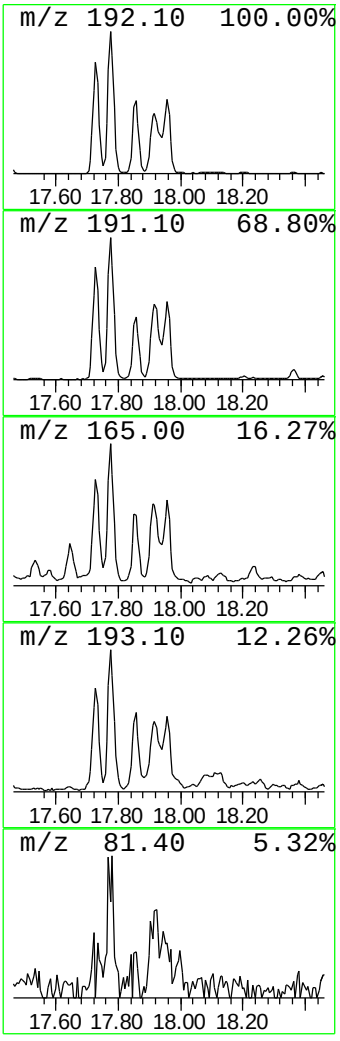
Peak Number 17 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	3.81 ng/ul	661568	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87





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Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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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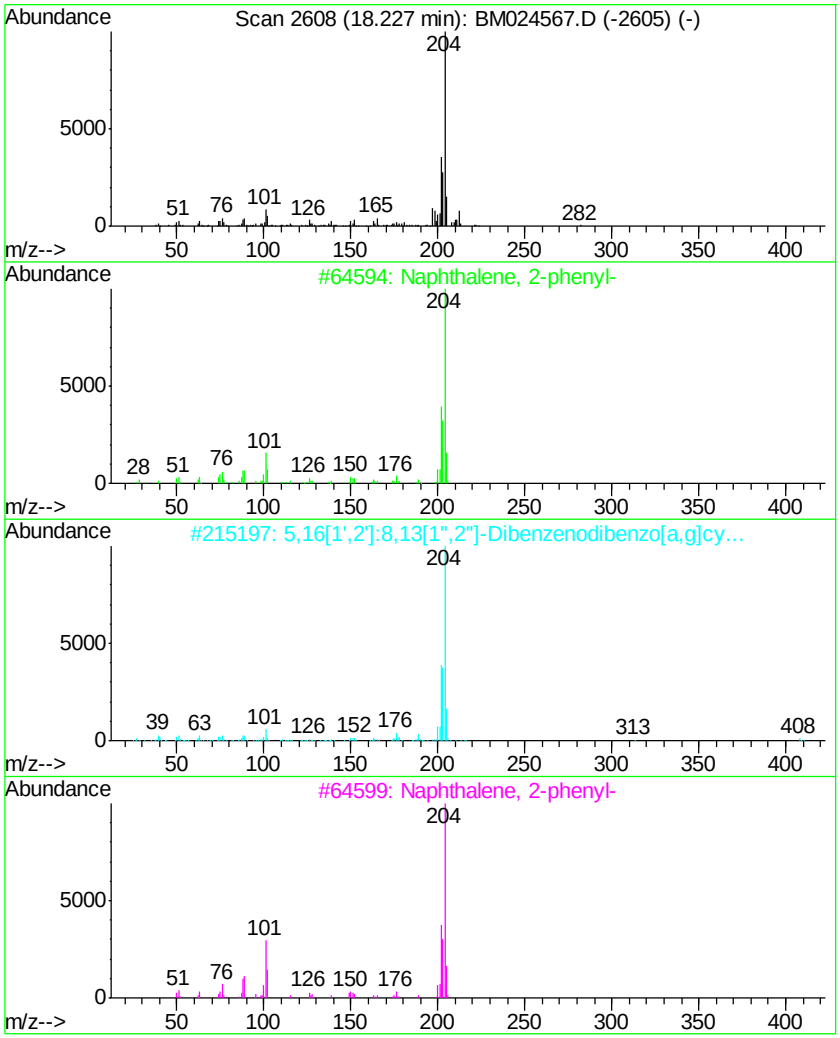
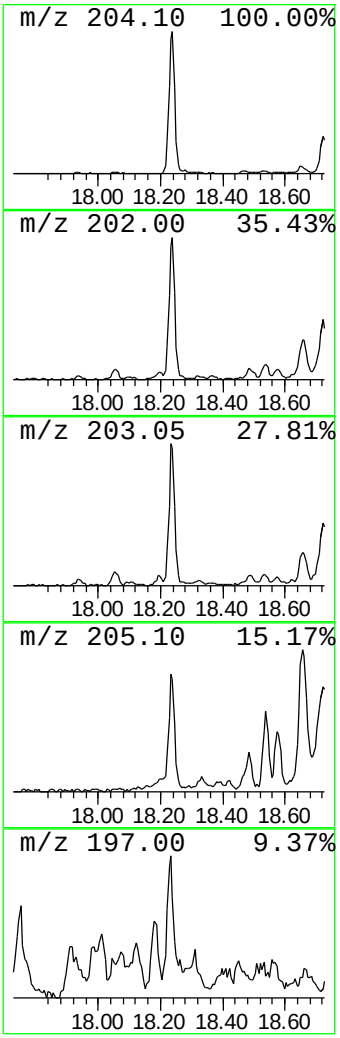
Peak Number 18 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	2.67 ng/ul	463033	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68





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Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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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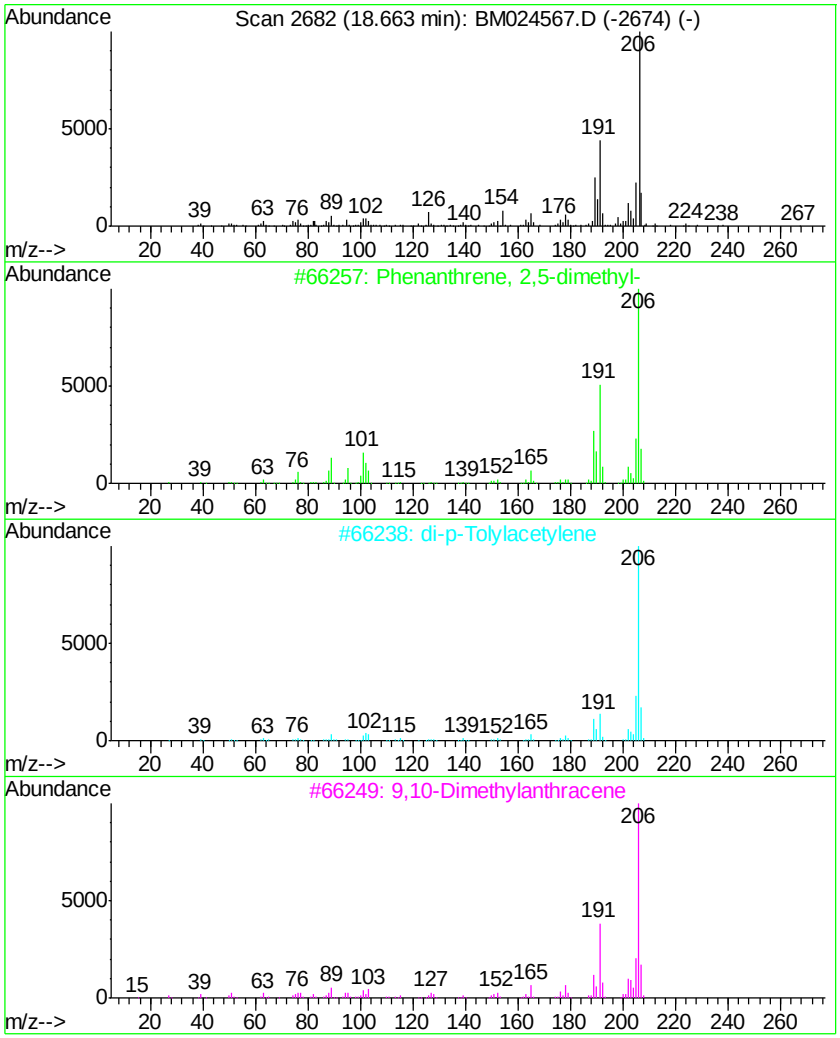
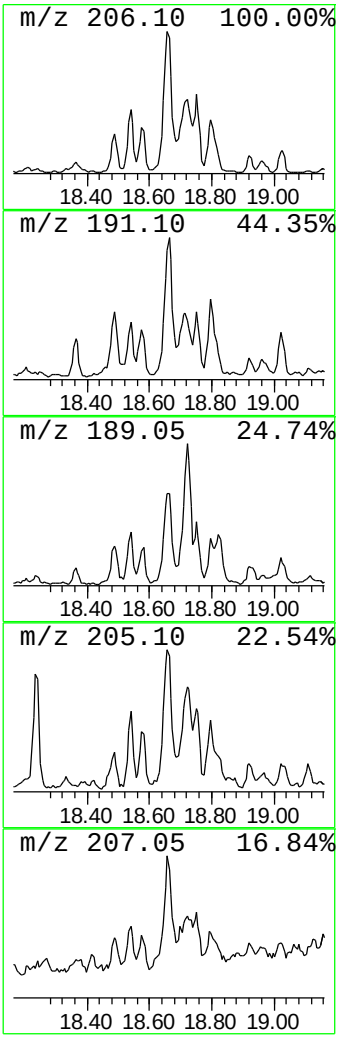
Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	4.48 ng/ul	777362	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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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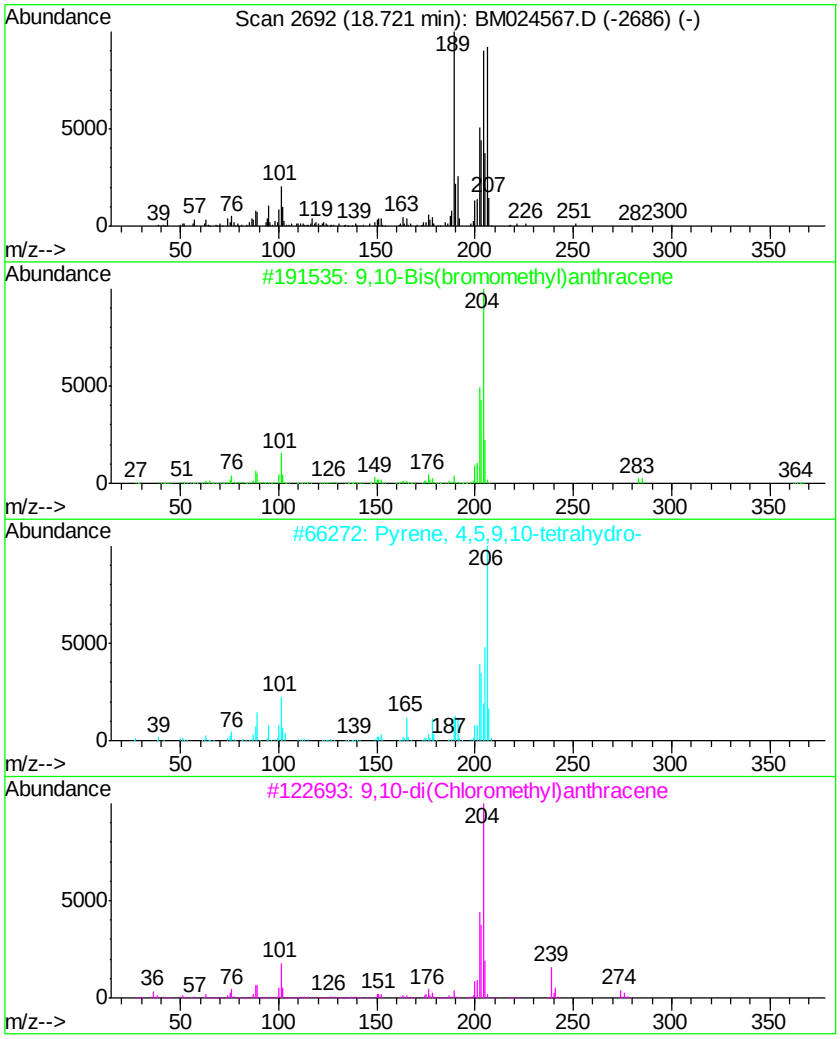
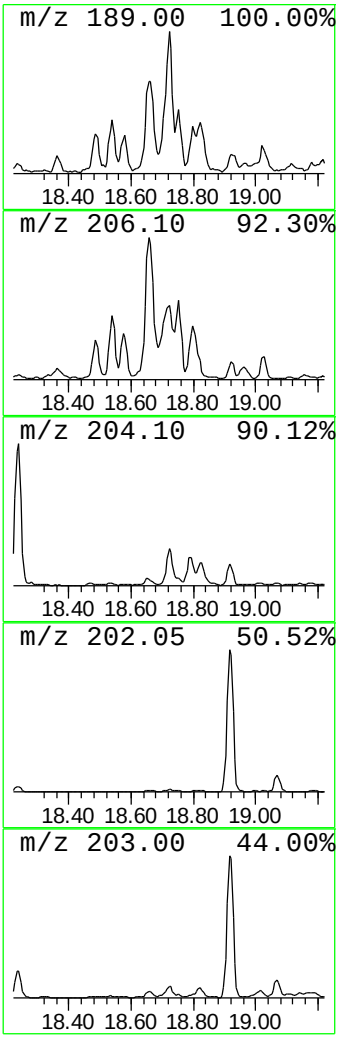
Peak Number 20 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	5.13 ng/ul	890511	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	30





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Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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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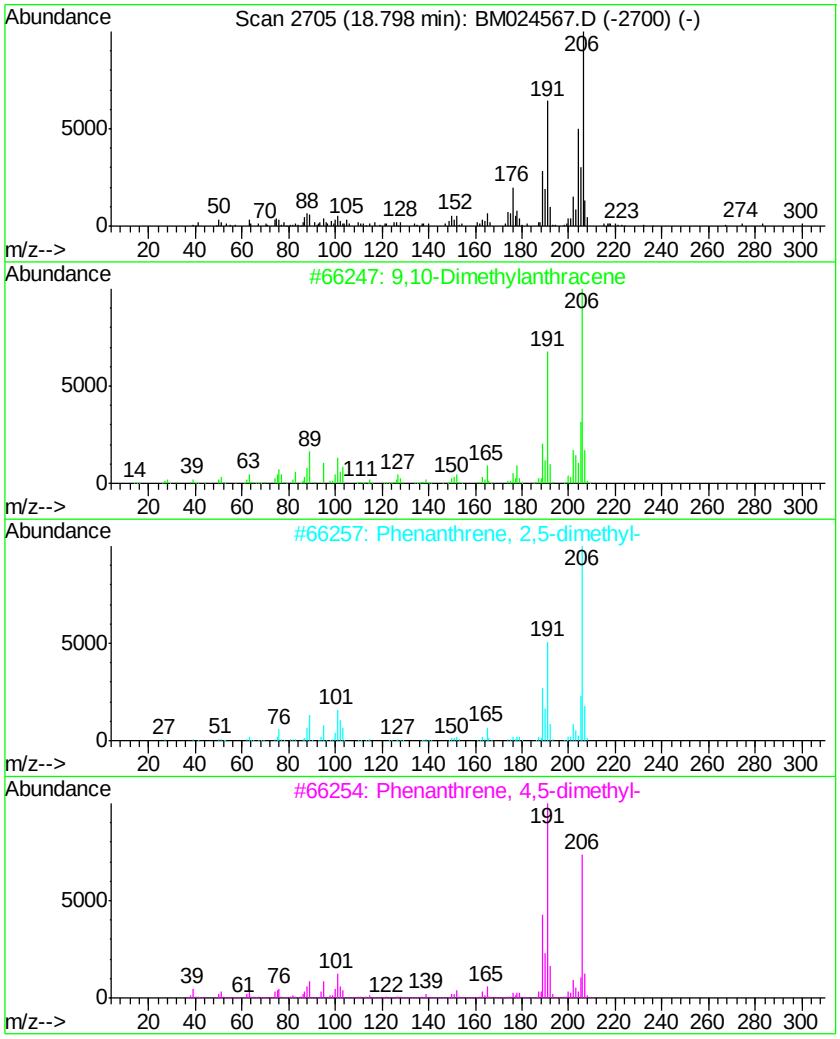
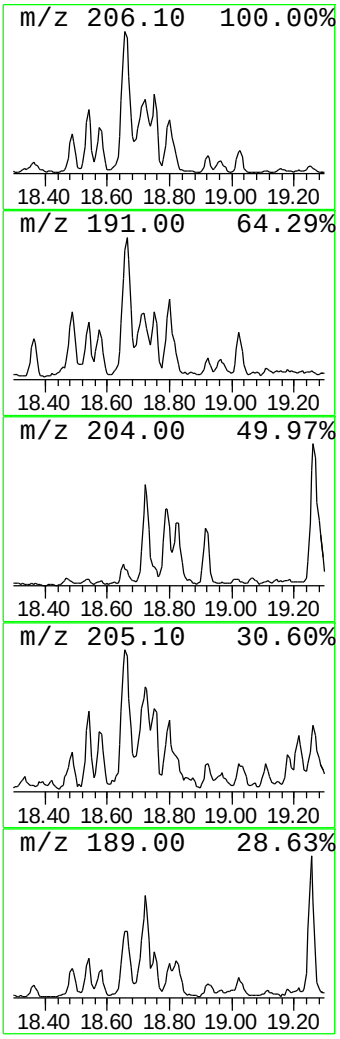
Peak Number 21 9,10-Dimethylanthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	2.66 ng/ul	461548	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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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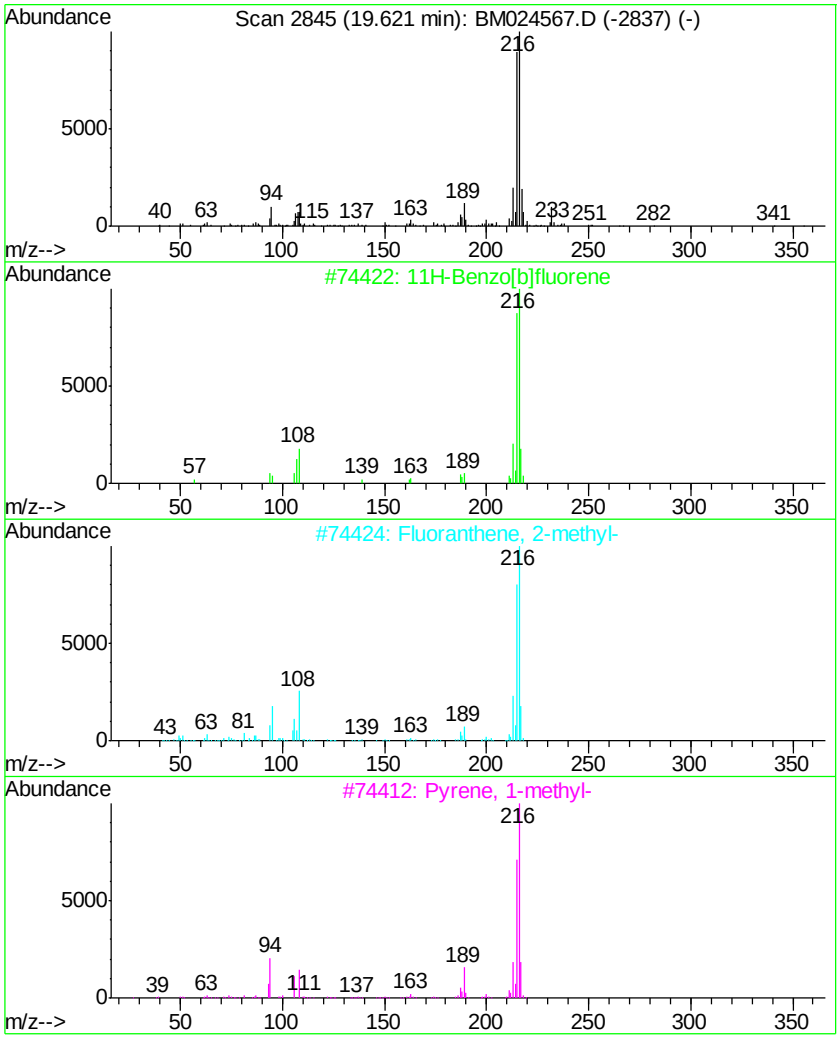
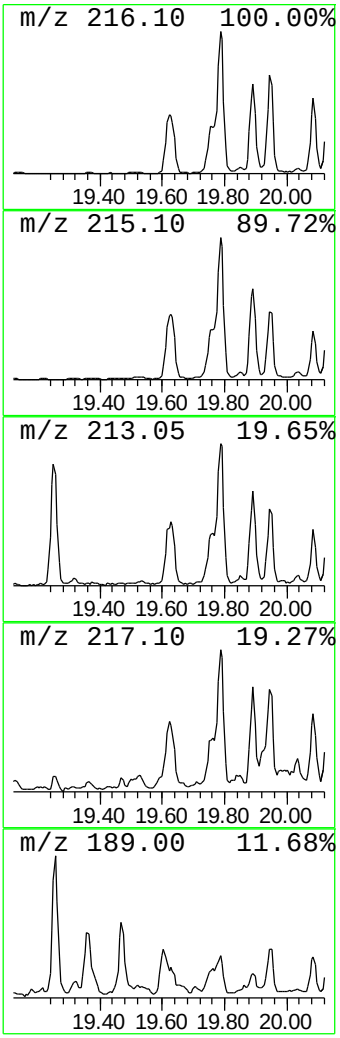
Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	2.29 ng/ul	730720	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	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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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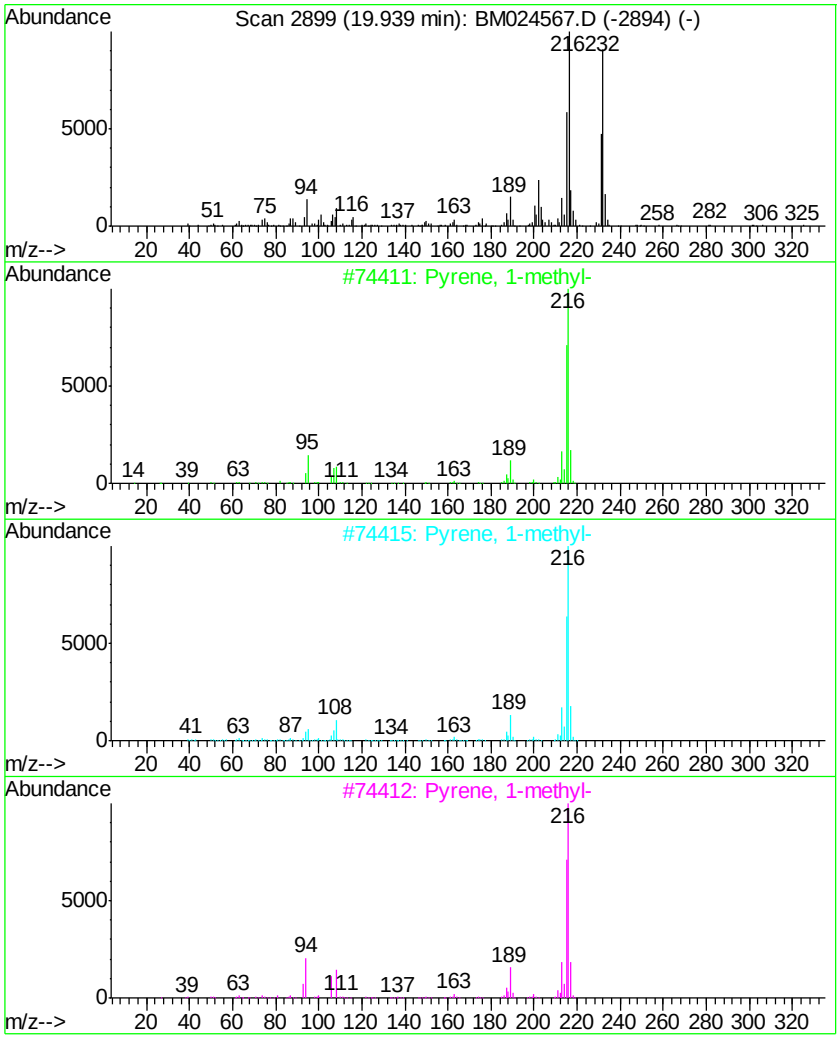
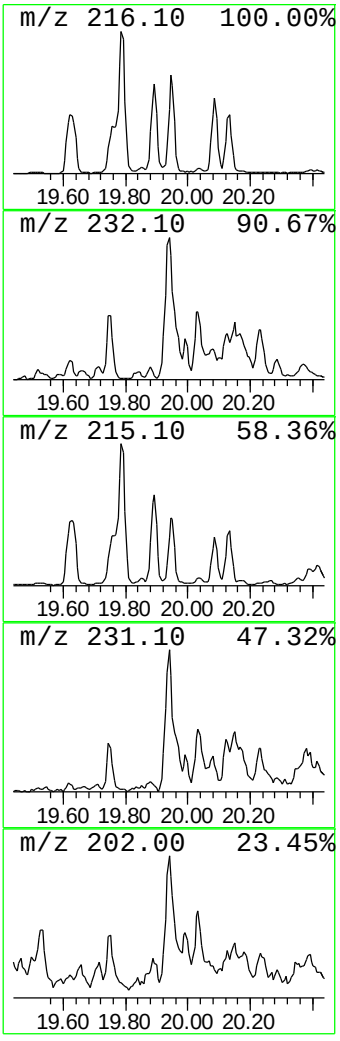
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.39 ng/ul	762337	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM012120\
Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG9MEDL

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, 1,2,3-tr...	7.12	5.6	ng/ul	331258	1	7.45	1187210	20.0
1-Propyne, 3-phenyl-	7.98	2.7	ng/ul	162842	1	7.45	1187210	20.0
Benzene, 1,2,4,5-...	9.64	2.5	ng/ul	246015	2	10.21	1971120	20.0
Naphthalene, 1-me...	12.11	20.4	ng/ul	2010900	2	10.21	1971120	20.0
Naphthalene, 2,6-...	13.26	4.1	ng/ul	624392	3	14.10	3024170	20.0
Naphthalene, 2,3-...	13.42	8.0	ng/ul	1214890	3	14.10	3024170	20.0
Naphthalene, 2,3,...	14.90	2.3	ng/ul	343387	3	14.10	3024170	20.0
Dibenzofuran, 4-m...	15.46	2.9	ng/ul	435128	3	14.10	3024170	20.0
9H-Fluorene, 2-me...	16.16	3.6	ng/ul	621482	4	16.85	3470280	20.0
Naphtho[1,2-b]thi...	16.67	3.2	ng/ul	559613	4	16.85	3470280	20.0
Phenanthrene, 1-m...	17.73	5.6	ng/ul	972475	4	16.85	3470280	20.0
Anthracene, 9-met...	17.77	8.2	ng/ul	1429730	4	16.85	3470280	20.0
Phenanthrene, 2-m...	17.86	4.0	ng/ul	687993	4	16.85	3470280	20.0
4H-Cyclopenta[def...	17.92	8.4	ng/ul	1462090	4	16.85	3470280	20.0
Anthracene, 1-met...	17.96	3.8	ng/ul	661568	4	16.85	3470280	20.0
Naphthalene, 2-ph...	18.23	2.7	ng/ul	463033	4	16.85	3470280	20.0
Phenanthrene, 2,5...	18.66	4.5	ng/ul	777362	4	16.85	3470280	20.0
unknown-01	18.72	5.1	ng/ul	890511	4	16.85	3470280	20.0
9,10-Dimethylanth...	18.80	2.7	ng/ul	461548	4	16.85	3470280	20.0
11H-Benzo[b]fluorene	19.62	2.3	ng/ul	730720	5	21.06	6391440	20.0
Pyrene, 1-methyl-	19.94	2.4	ng/ul	762337	5	21.06	6391440	20.0