LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024566.D
Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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	634	639	649	rBV	80156	125623	1.60%	0.145%
2	6.993	692	698	708	rVB	90245	142011	1.81%	0.164%
3	7.452	770	776	788	rBV	773279	1179012	14.99%	1.361%
4	8.163	890	897	904	rBV	107173	168726	2.15%	0.195%
5	8.587	964	969	976	rVB	80645	128064	1.63%	0.148%
6	9.846	1177	1183	1194	rVB	117723	199507	2.54%	0.230%
7	10.210	1238	1245	1254	rBV	1096645	1781793	22.66%	2.057%
8	10.351	1263	1269	1276	rVB2	97877	172962	2.20%	0.200%
9	12.110	1558	1568	1573	rVV	76590	133686	1.70%	0.154%
10	12.922	1700	1706	1712	rBV	101433	150383	1.91%	0.174%
11	13.257	1757	1763	1772	rVB	174230	399775	5.08%	0.462%
12	13.422	1781	1791	1796	rBV	286866	503373	6.40%	0.581%
13	13.475	1796	1800	1803	rVV	194896	266447	3.39%	0.308%
14	13.522	1803	1808	1820	rVB2	241303	428763	5.45%	0.495%
15	13.657	1822	1831	1834	rBV	173547	259526	3.30%	0.300%
16	13.786	1846	1853	1855	rBV	260900	389432	4.95%	0.450%
17	13.816	1855	1858	1865	rVV2	234203	372537	4.74%	0.430%
18	14.098	1895	1906	1913	rBV	1900090	2903133	36.92%	3.351%
19	14.163	1913	1917	1921	rVV	173372	252697	3.21%	0.292%
20	14.316	1938	1943	1953	rVV3	104845	231549	2.94%	0.267%
21	14.504	1966	1975	1983	rVV2	559289	972427	12.37%	1.123%
22	14.592	1983	1990	1994	rVV	163173	228129	2.90%	0.263%
23	14.733	2005	2014	2019	rBV2	134866	270002	3.43%	0.312%
24	14.786	2019	2023	2030	rVB	143024	186199	2.37%	0.215%
25	15.057	2061	2069	2072	rBV5	63179	137561	1.75%	0.159%
26	15.098	2072	2076	2081	rVB	397412	529002	6.73%	0.611%
27	15.157	2081	2086	2091	rVB	821872	1143717	14.54%	1.320%
28	15.222	2091	2097	2100	rBV2	74538	133234	1.69%	0.154%
29	15.457	2132	2137	2141	rBV	273832	391600	4.98%	0.452%
30	15.604	2156	2162	2171	rVB	275354	600817	7.64%	0.694%
31	15.839	2195	2202	2209	rBV3	72391	171014	2.17%	0.197%
32	16.169	2248	2258	2262	rVV4	191263	462234	5.88%	0.534%
33	16.210	2262	2265	2271	rVV	129550	202582	2.58%	0.234%
34	16.404	2289	2298	2301	rBV2	147349	273741	3.48%	0.316%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024566.D
Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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	16.439	2301	2304	2307	rVV2	131912	193661	2.46%	0.224%
36	16.504	2311	2315	2324	rVV	360490	581229	7.39%	0.671%
37	16.592	2325	2330	2336	rVV	141665	261815	3.33%	0.302%
38	16.669	2336	2343	2348	rVV	345854	549180	6.98%	0.634%
39	16.851	2368	2374	2377	rVV	2521487	3501758	44.53%	4.043%
40	16.892	2377	2381	2387	rVV	5611330	7755342	98.62%	8.953%
41	16.951	2387	2391	2393	rVV	500109	731049	9.30%	0.844%
42	16.980	2393	2396	2404	rVV	1040631	1427110	18.15%	1.648%
43	17.051	2404	2408	2413	rVV4	92040	160235	2.04%	0.185%
44	17.251	2433	2442	2447	rBV2	267908	462333	5.88%	0.534%
45	17.380	2460	2464	2468	rVV2	124717	178775	2.27%	0.206%
46	17.433	2468	2473	2482	rVB3	216477	383864	4.88%	0.443%
47	17.574	2493	2497	2502	rVB	92268	150356	1.91%	0.174%
48	17.727	2518	2523	2527	rBV	799964	1116731	14.20%	1.289%
49	17.774	2527	2531	2539	rVB	1097264	1516067	19.28%	1.750%
50	17.857	2539	2545	2549	rBV	322239	453943	5.77%	0.524%
51	17.916	2549	2555	2559	rBV2	993212	1683133	21.40%	1.943%
52	17.957	2559	2562	2571	rVB	591348	807891	10.27%	0.933%
53	18.239	2605	2610	2612	rVV	497410	725033	9.22%	0.837%
54	18.269	2612	2615	2622	rVB2	548089	737842	9.38%	0.852%
55	18.486	2649	2652	2657	rVV2	172422	222622	2.83%	0.257%
56	18.539	2657	2661	2664	rVV	149011	179913	2.29%	0.208%
57	18.574	2664	2667	2672	rVB2	151454	194480	2.47%	0.225%
58	18.657	2673	2681	2686	rBV2	485686	902067	11.47%	1.041%
59	18.721	2686	2692	2695	rBV3	200151	355482	4.52%	0.410%
60	18.751	2695	2697	2700	rVB	150605	152340	1.94%	0.176%
61	18.792	2700	2704	2713	rVB2	371080	657156	8.36%	0.759%
62	18.921	2717	2726	2733	rBV	4511238	6063676	77.11%	7.000%
63	18.998	2734	2739	2742	rBV2	250173	374864	4.77%	0.433%
64	19.068	2748	2751	2755	rVB	150924	190753	2.43%	0.220%
65	19.121	2755	2760	2764	rBV	180967	281782	3.58%	0.325%
66	19.163	2764	2767	2773	rVB2	124933	181556	2.31%	0.210%
67	19.280	2778	2787	2793	rBV	4241715	7357420	93.56%	8.494%
68	19.357	2797	2800	2808	rVB2	226864	473860	6.03%	0.547%
69	19.468	2814	2819	2823	rBV	301610	385430	4.90%	0.445%
70	19.521	2826	2828	2835	rVB5	101332	187738	2.39%	0.217%
71	19.621	2837	2845	2850	rBV2	382900	956397	12.16%	1.104%

LSC Area Percent Report

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Data File : BM024566.D
Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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	19.751	2863	2867	2870	rVV2	306012	544846	6.93%	0.629%
73	19.786	2870	2873	2878	rVB	455212	635006	8.08%	0.733%
74	19.892	2887	2891	2894	rVB	157632	186527	2.37%	0.215%
75	19.945	2895	2900	2906	rVV2	600974	835828	10.63%	0.965%
76	20.033	2911	2915	2920	rBV	93298	153982	1.96%	0.178%
77	20.086	2920	2924	2928	rBV	315871	374494	4.76%	0.432%
78	20.133	2928	2932	2937	rVV	341005	442241	5.62%	0.511%
79	20.351	2965	2969	2972	rBV4	81968	143543	1.83%	0.166%
80	20.539	2996	3001	3008	rVB	473594	678628	8.63%	0.783%
81	20.692	3023	3027	3033	rBV2	295637	615914	7.83%	0.711%
82	20.745	3033	3036	3039	rVV	385641	464512	5.91%	0.536%
83	20.774	3039	3041	3046	rVV2	240832	367084	4.67%	0.424%
84	20.833	3046	3051	3059	rVB2	495805	800383	10.18%	0.924%
85	21.057	3082	3089	3093	rBV2	4261147	7863524	100.00%	9.078%
86	21.098	3093	3096	3103	rVB	1833170	2365608	30.08%	2.731%
87	21.210	3113	3115	3120	rBV	90689	130817	1.66%	0.151%
88	21.257	3120	3123	3130	rBV3	170220	321443	4.09%	0.371%
89	21.368	3138	3142	3147	rBV2	151460	263087	3.35%	0.304%
90	21.598	3176	3181	3185	rVV	505192	730478	9.29%	0.843%
91	21.651	3186	3190	3194	rVB	261651	355300	4.52%	0.410%
92	21.786	3209	3213	3216	rBV	182179	243874	3.10%	0.282%
93	22.556	3338	3344	3348	rBV2	996493	2113197	26.87%	2.440%
94	22.715	3367	3371	3377	rVB	217475	347944	4.42%	0.402%
95	22.998	3414	3419	3423	rBV	533522	848188	10.79%	0.979%
96	23.045	3423	3427	3429	rVV	282211	440747	5.60%	0.509%
97	23.086	3429	3434	3439	rVB	755704	1260728	16.03%	1.455%
98	23.180	3444	3450	3455	rVV	1826933	3103532	39.47%	3.583%
99	25.239	3794	3800	3813	rVB2	383306	1056606	13.44%	1.220%
100	25.868	3903	3907	3917	rVB	227732	548218	6.97%	0.633%

Sum of corrected areas: 86622420

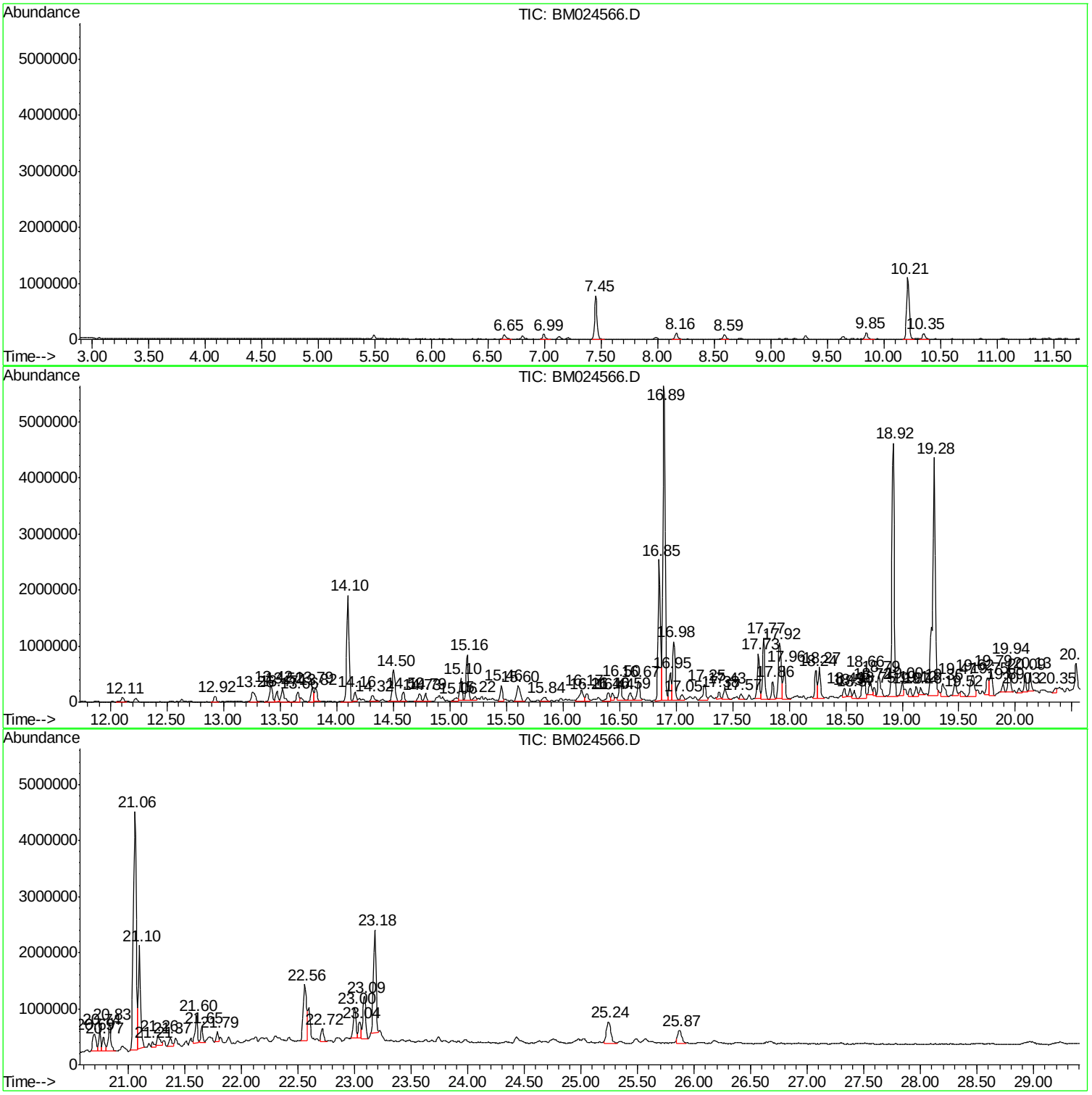
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024566.D
Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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 : BM024566.D
Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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

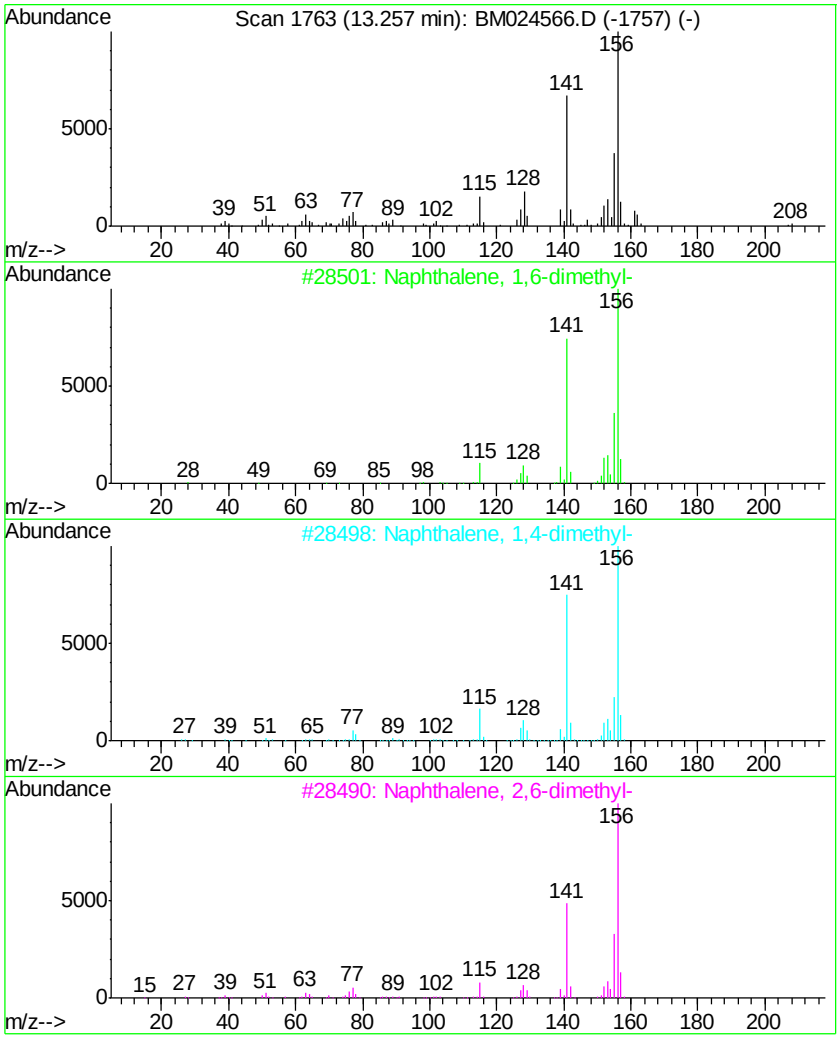
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

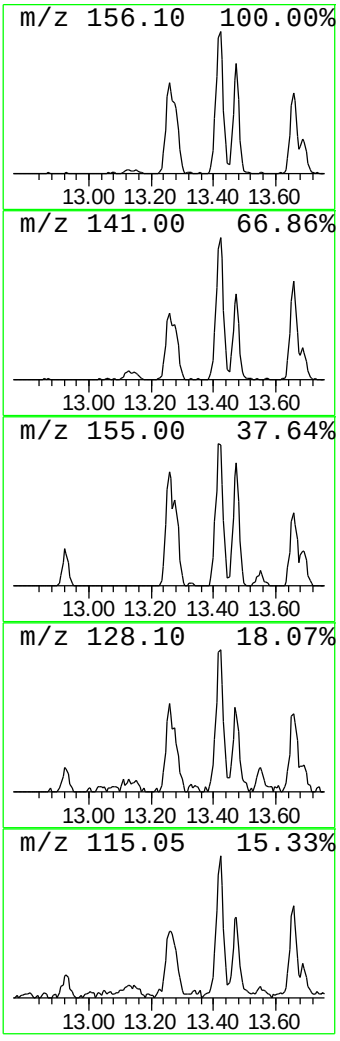
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.75 ng/ul	399775	Acenaphthene-d10	14.10

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024566.D
Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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

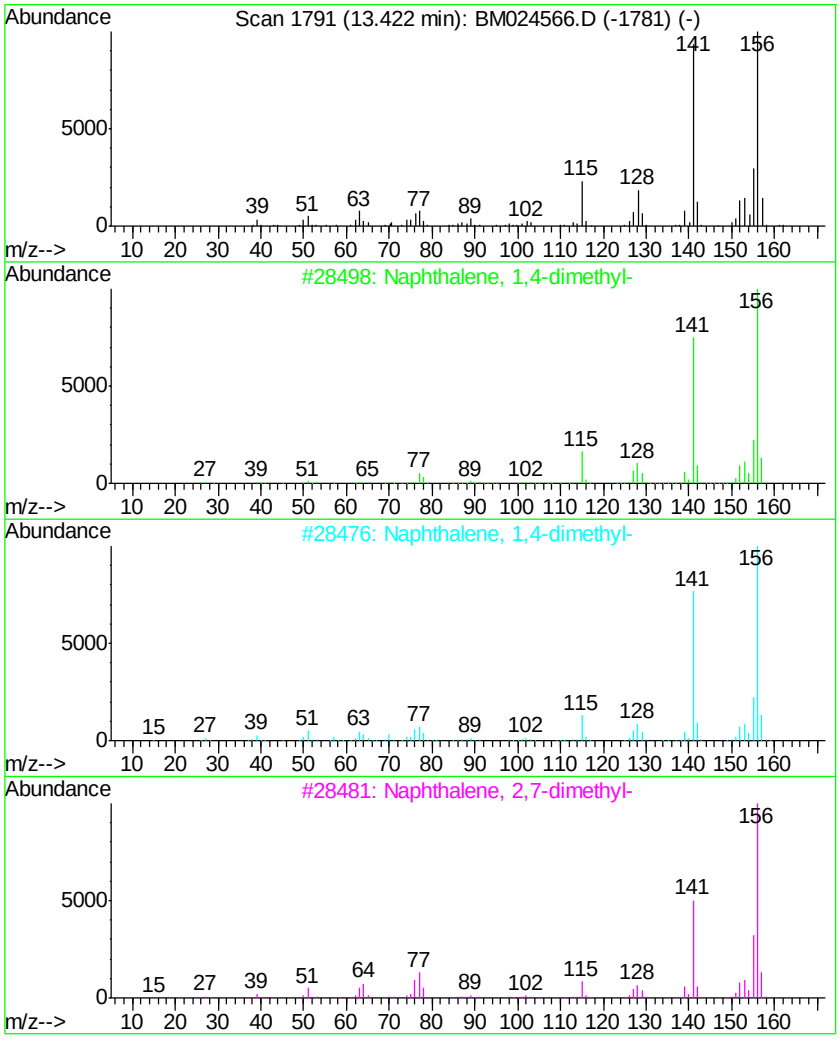
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

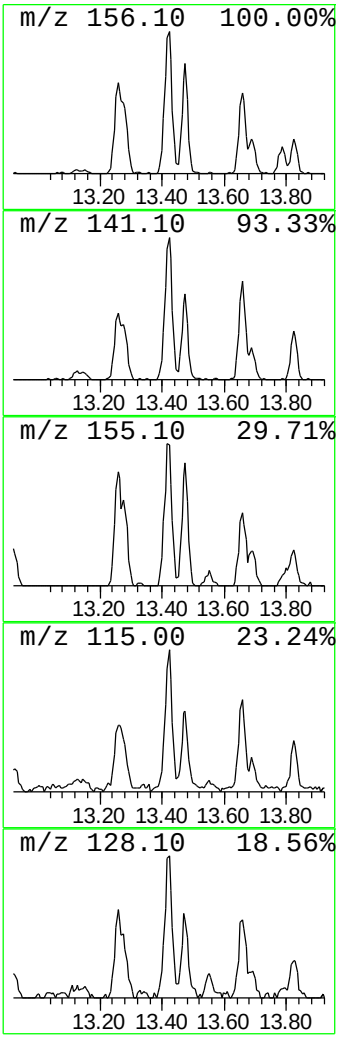
****

Peak Number 2 Naphthalene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	3.47 ng/ul	503373	Acenaphthene-d10	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024566.D
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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

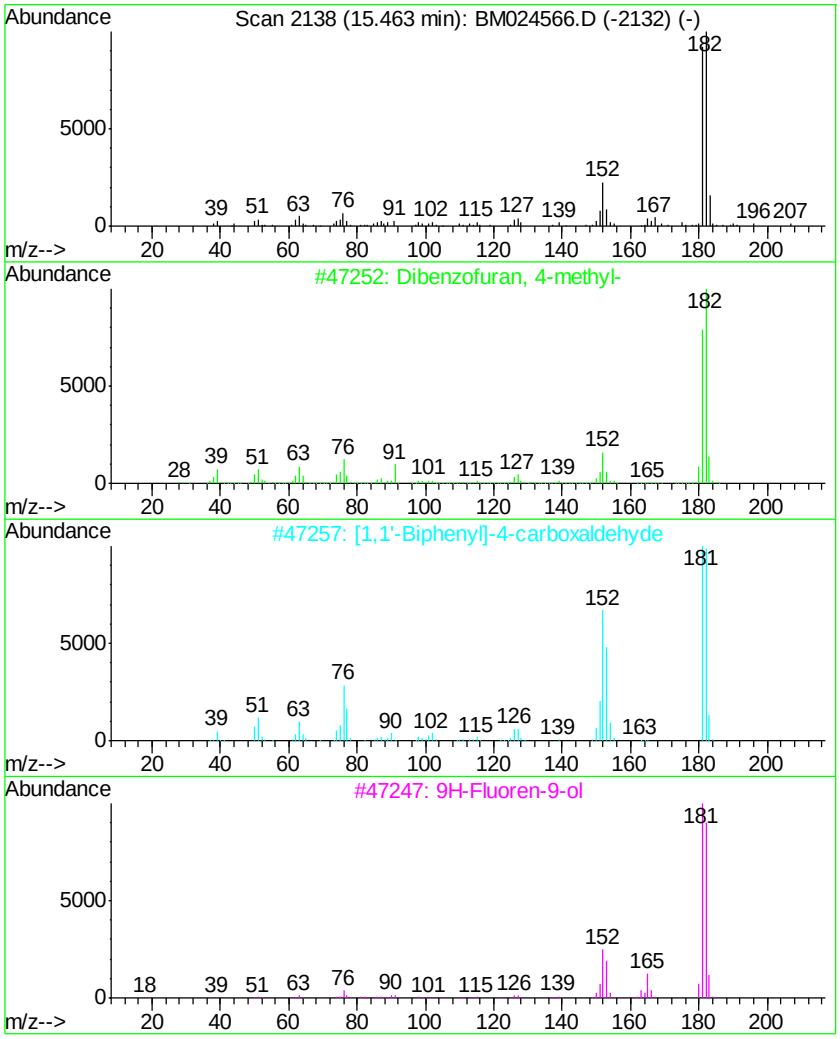
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

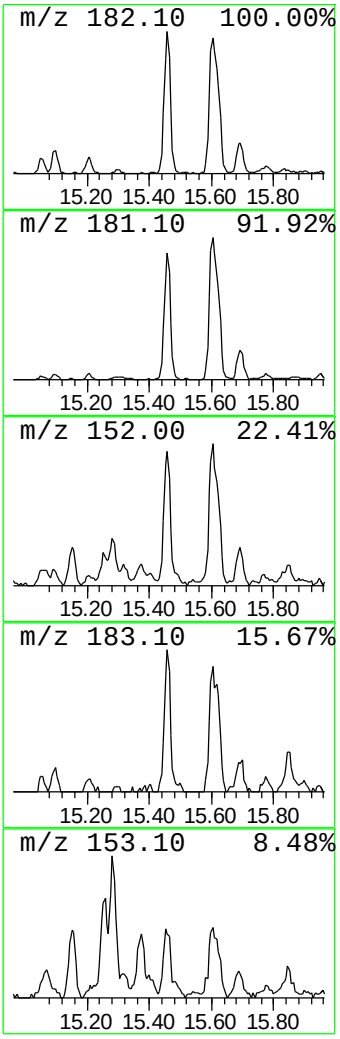
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	2.70 ng/ul	391600	Acenaphthene-d10	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024566.D
Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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

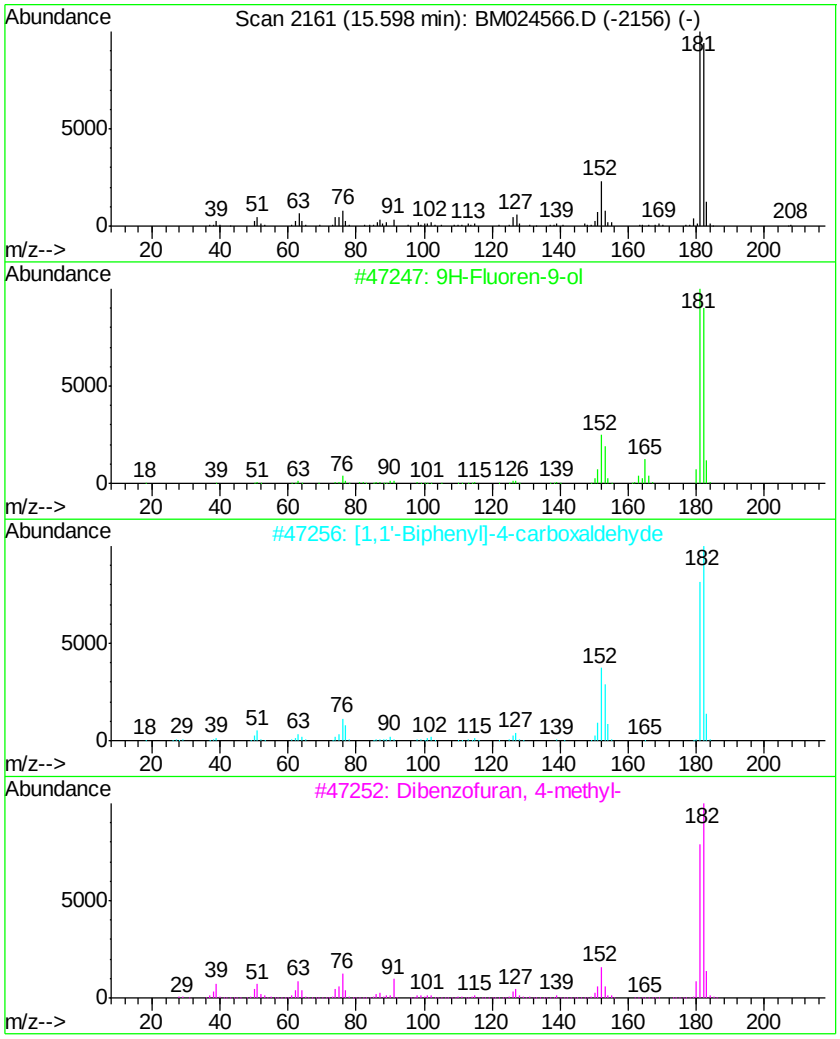
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

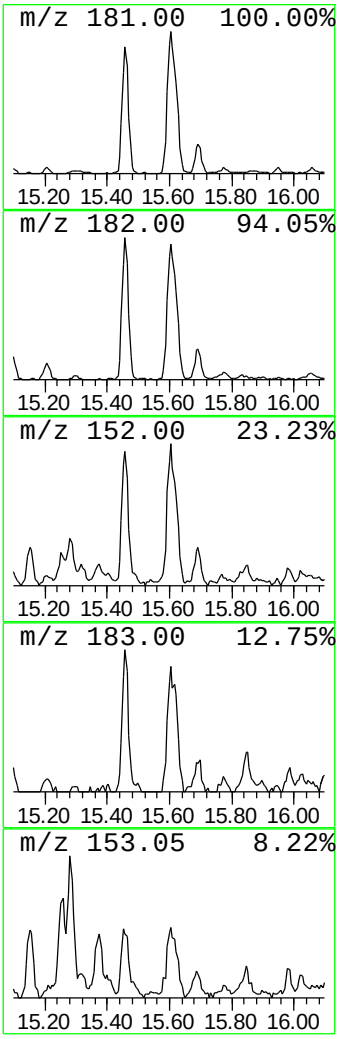
****

Peak Number 4 9H-Fluoren-9-ol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	3.43 ng/ul	600817	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024566.D
Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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

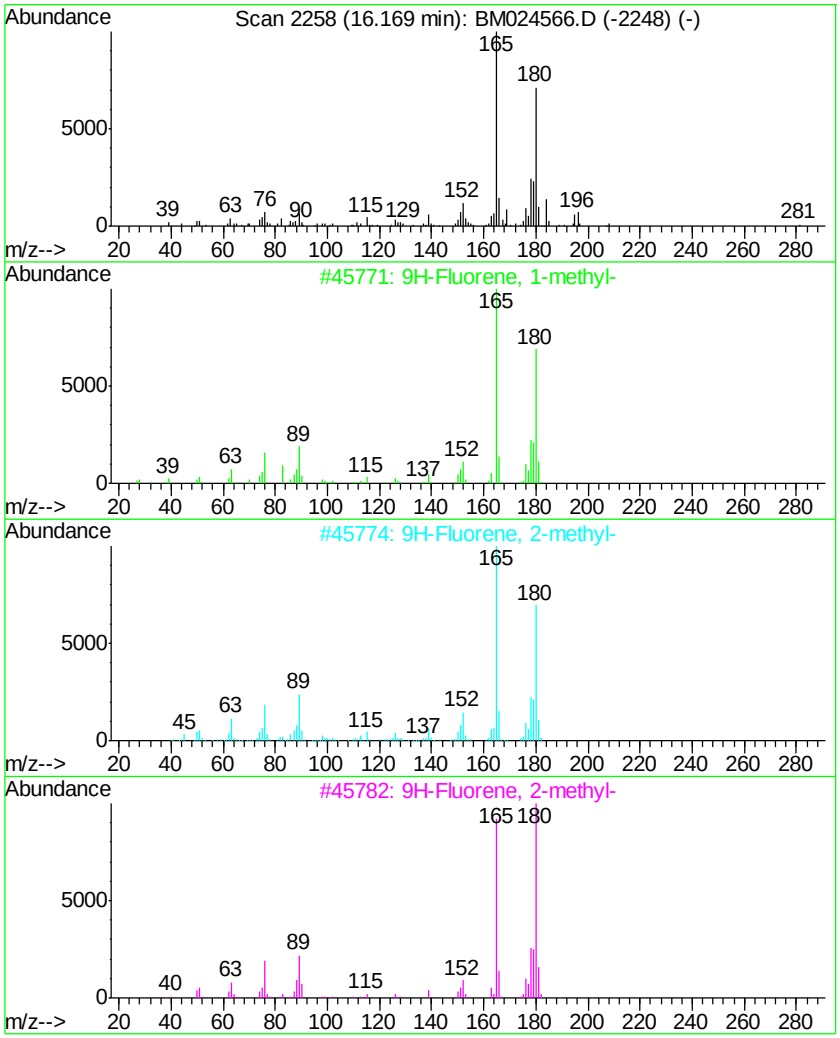
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

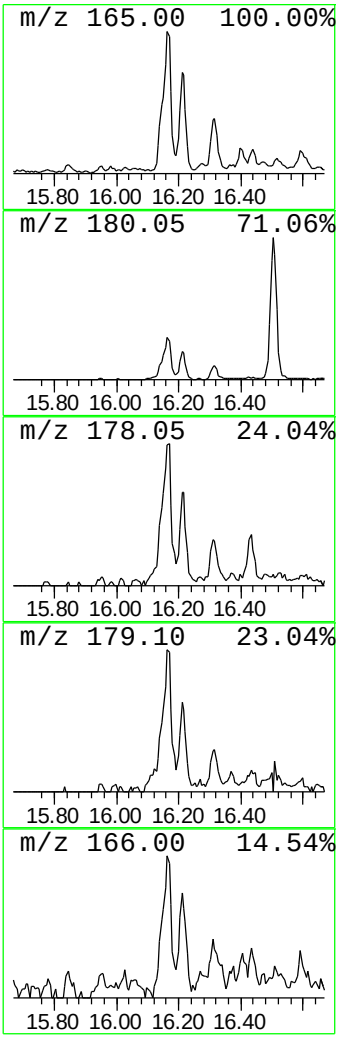
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	2.64 ng/ul	462234	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90





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Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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Quant Title : SVOA CALIBRATION

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

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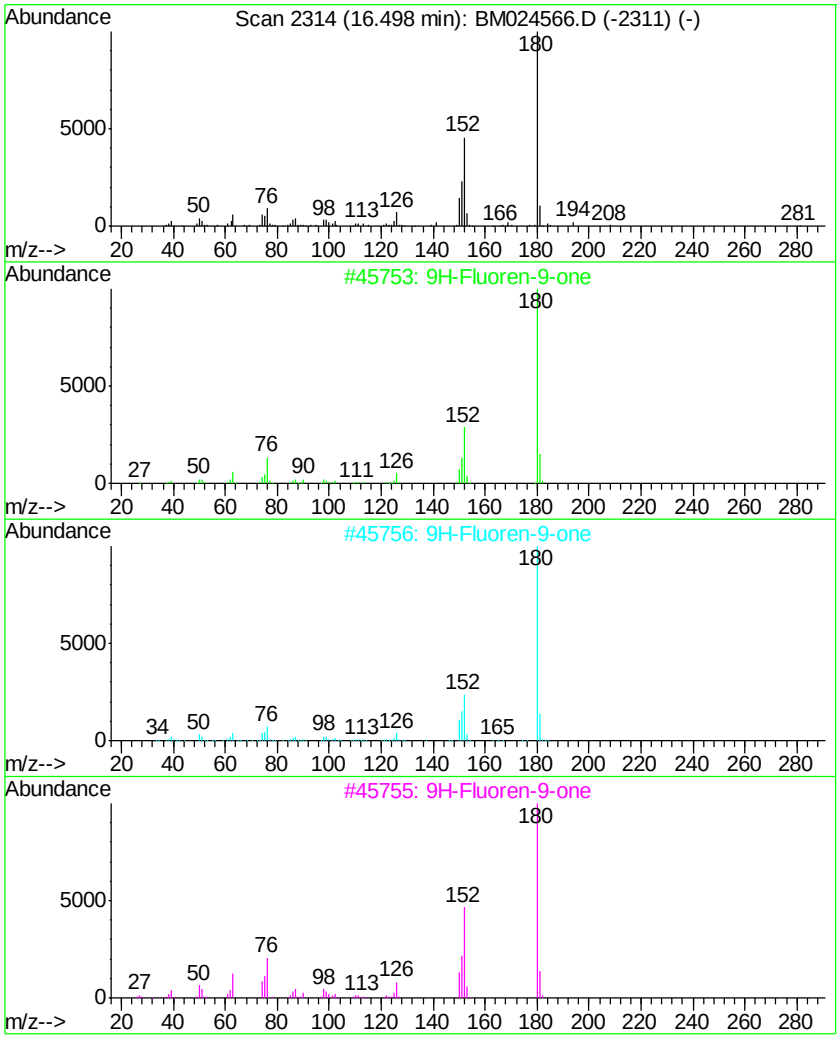
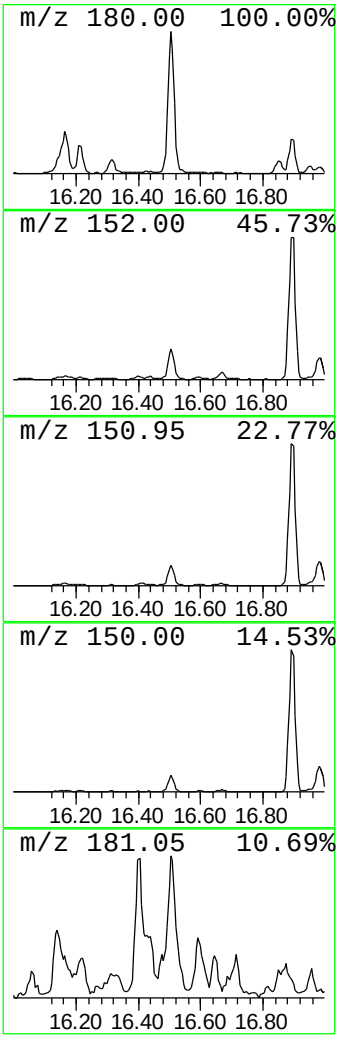
Peak Number 6 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	3.32 ng/ul	581229	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90





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Sample : L1109-09MEDL 10X
Misc :
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Instrument : BNA_M
ClientSampleId : GASG8MEDL

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Quant Title : SVOA CALIBRATION

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

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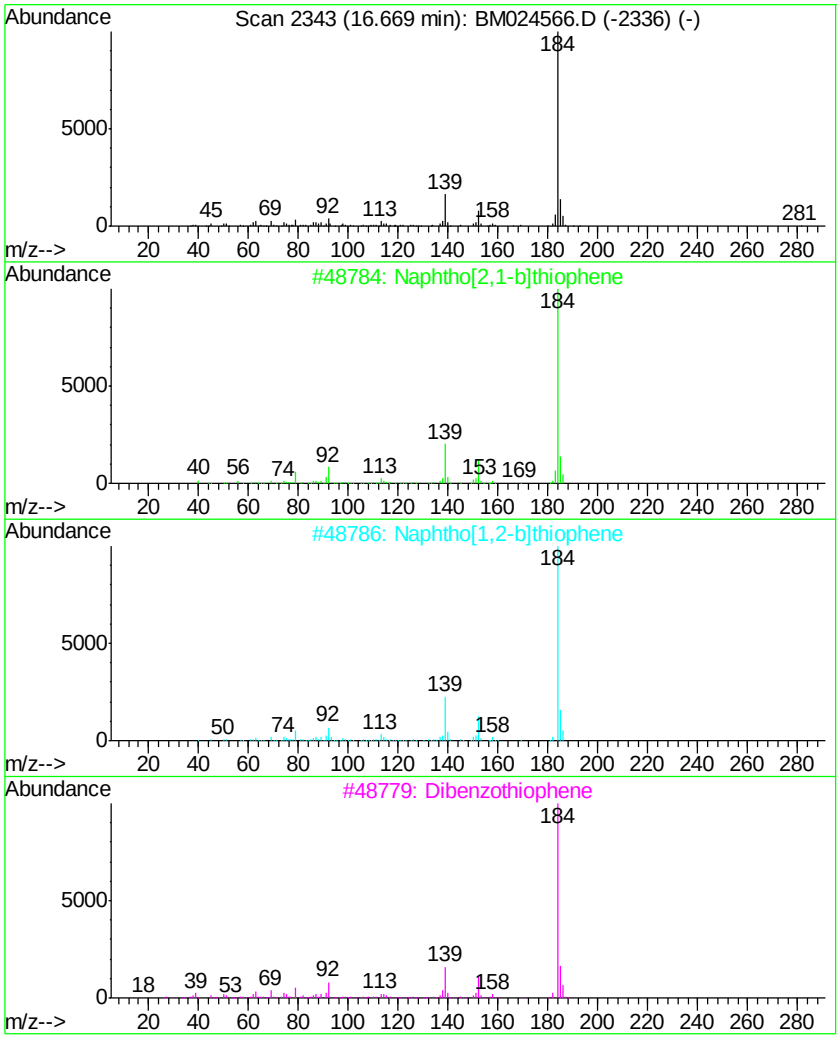
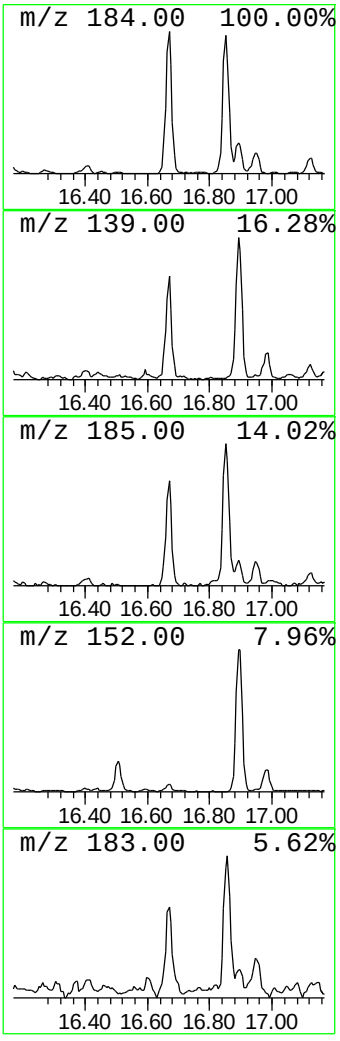
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	3.14 ng/ul	549180	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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Quant Title : SVOA CALIBRATION

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

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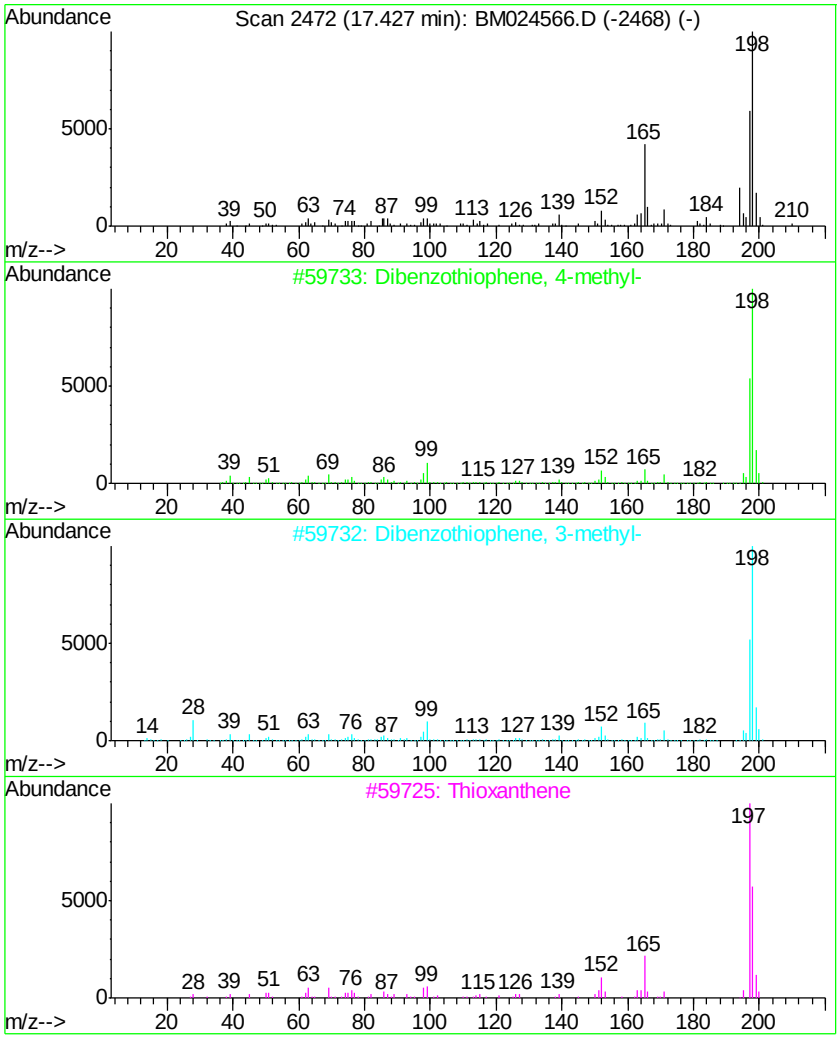
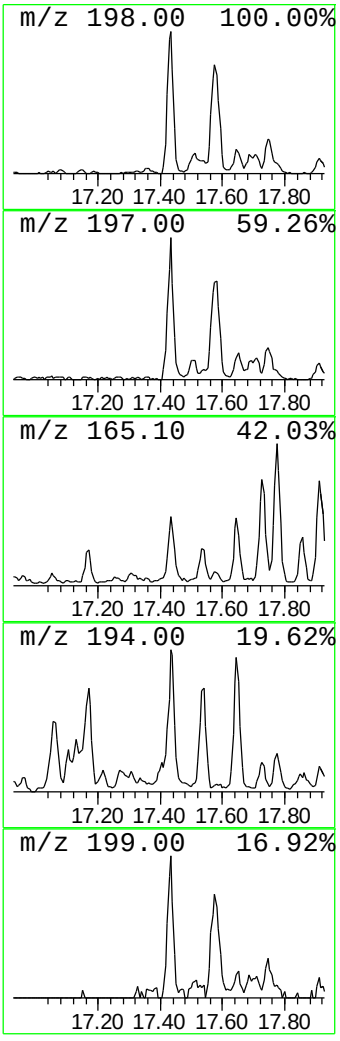
Peak Number 8 Dibenzothiophene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	2.19 ng/ul	383864	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
3	Thioxanthene	198	C13H10S	000261-31-4	53
4	Tacrine	198	C13H14N2	000321-64-2	49
5	Thioxanthene	198	C13H10S	000261-31-4	49





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Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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Quant Title : SVOA CALIBRATION

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

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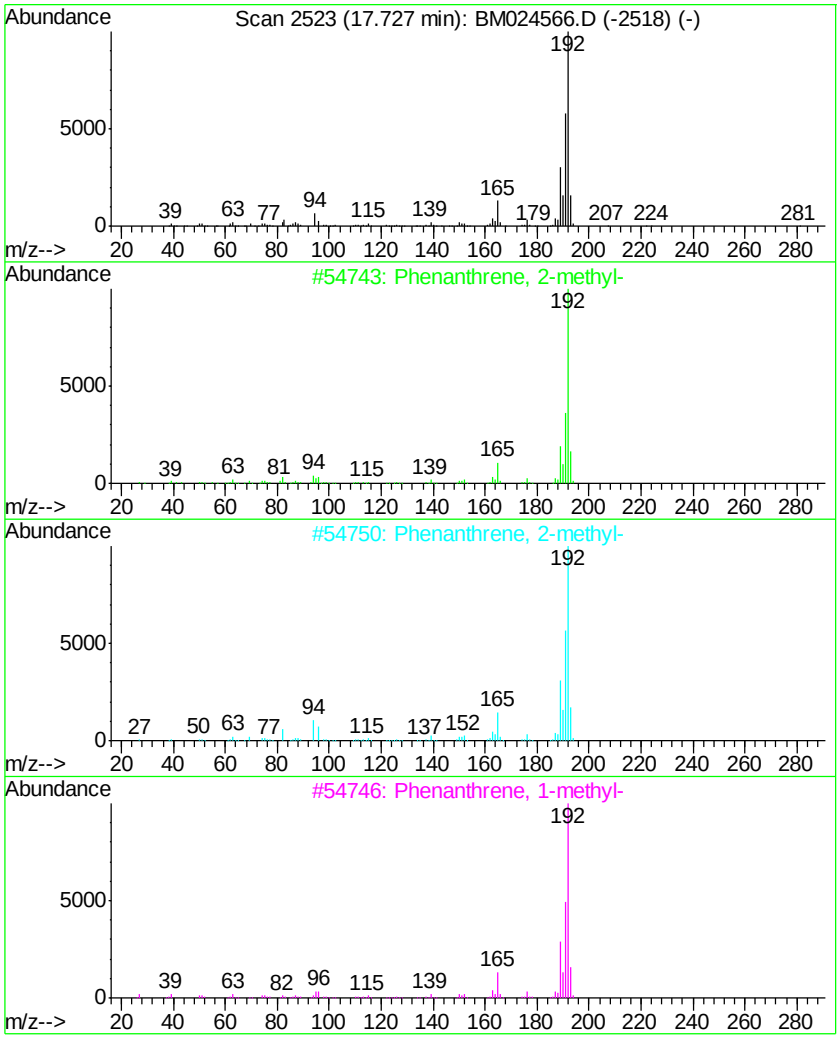
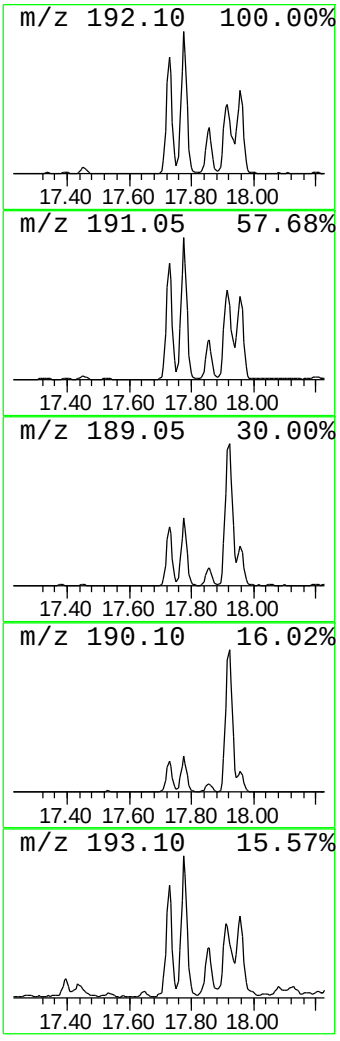
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	6.38 ng/ul	1116730	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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Quant Title : SVOA CALIBRATION

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

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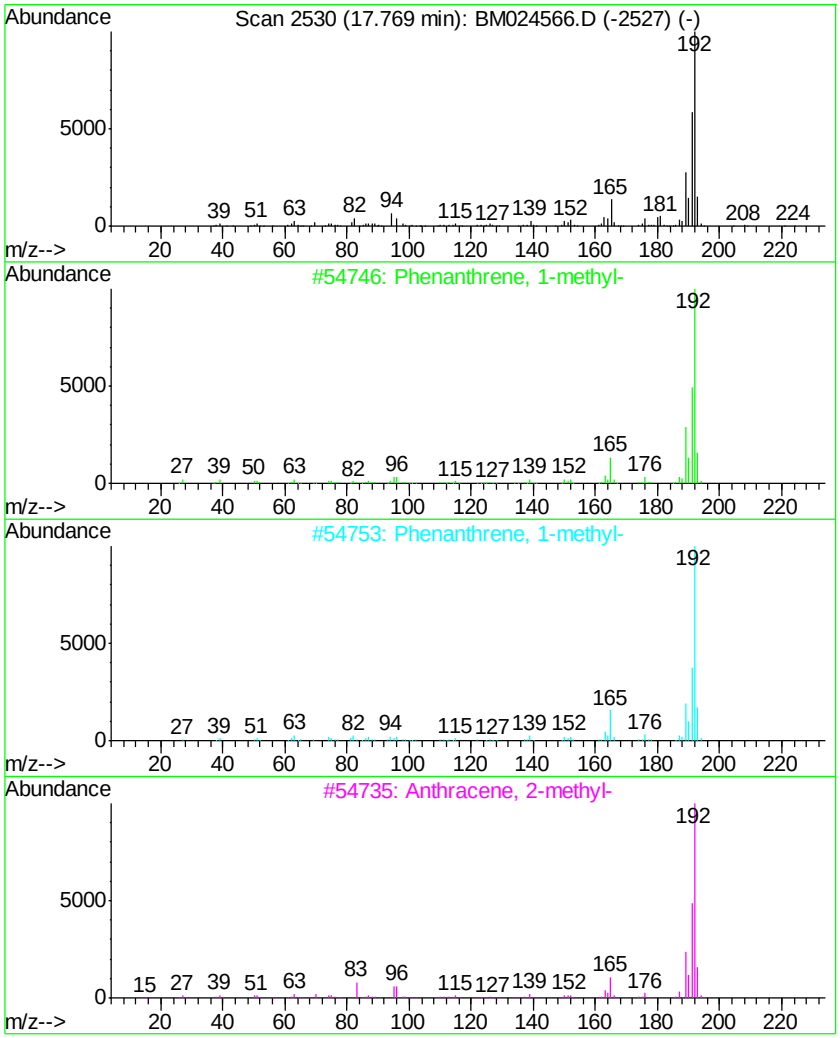
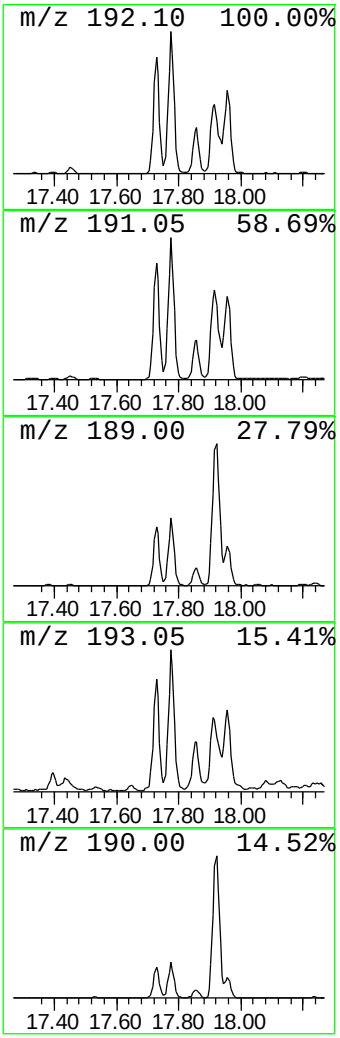
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	8.66 ng/ul	1516070	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Operator : JU
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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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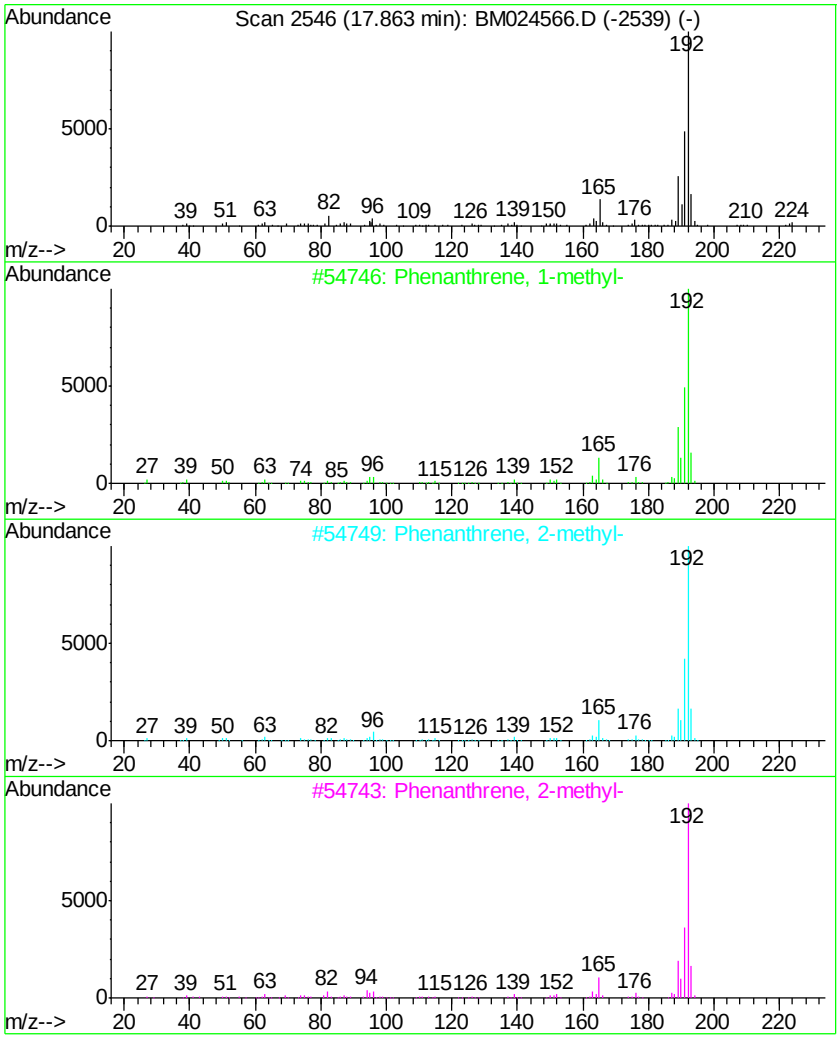
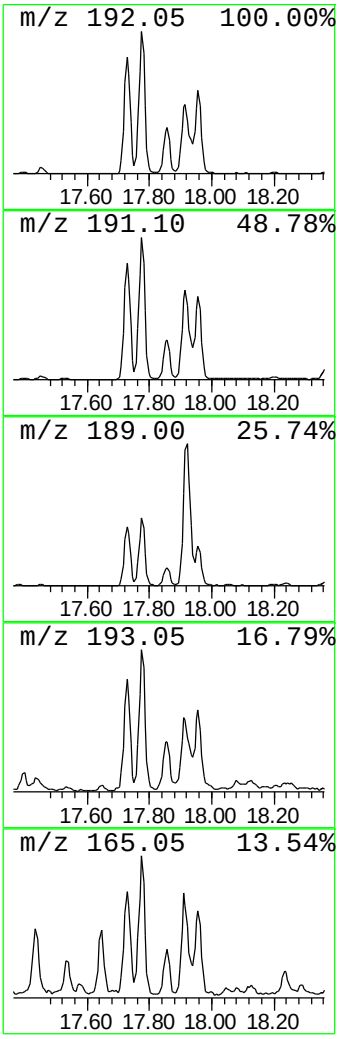
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	2.59 ng/ul	453943	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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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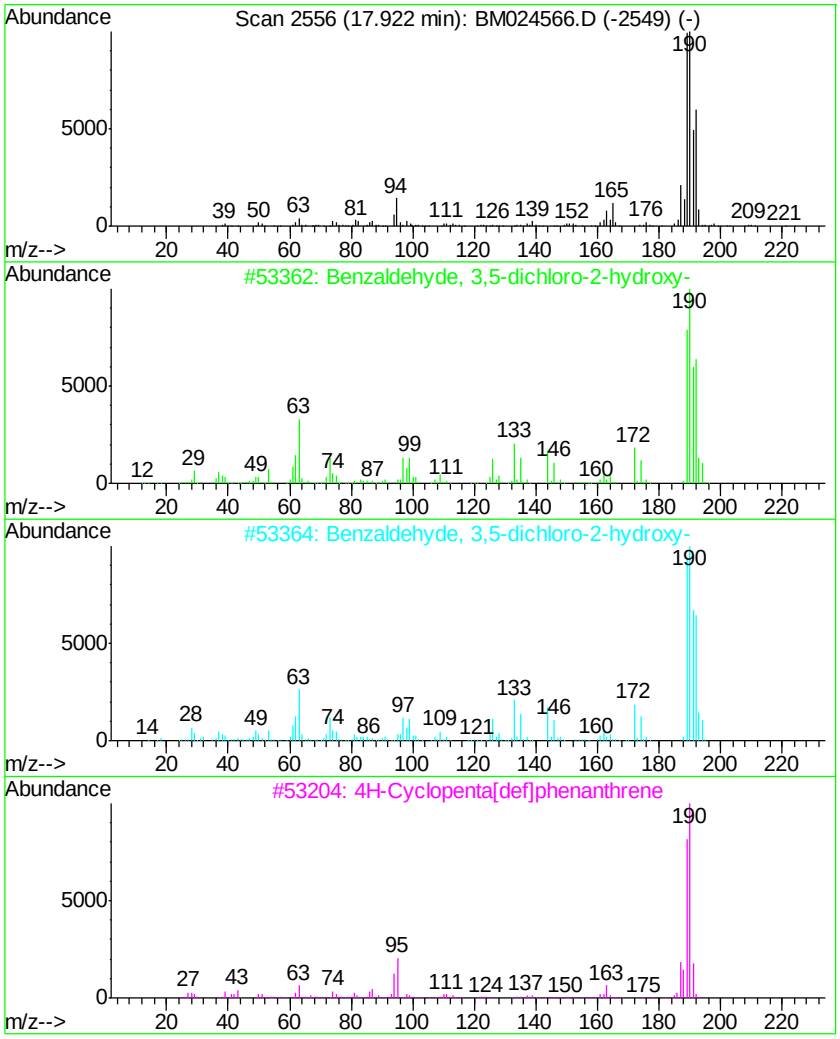
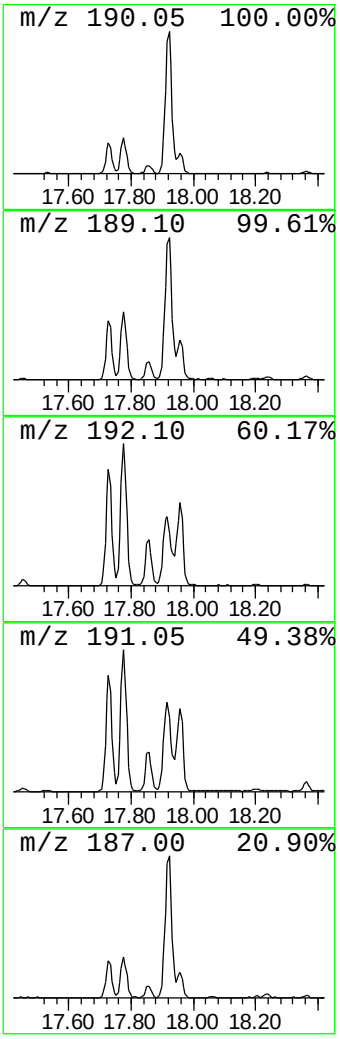
Peak Number 12 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	9.61 ng/ul	1683130	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42





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Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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Quant Title : SVOA CALIBRATION

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

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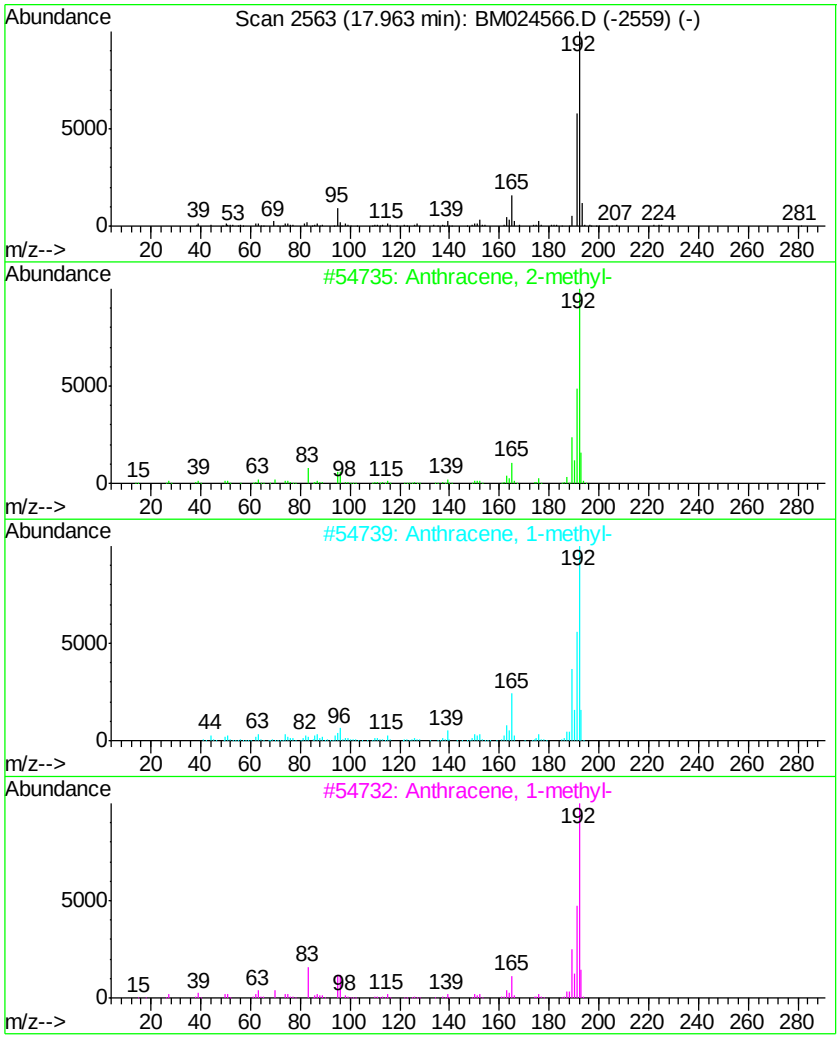
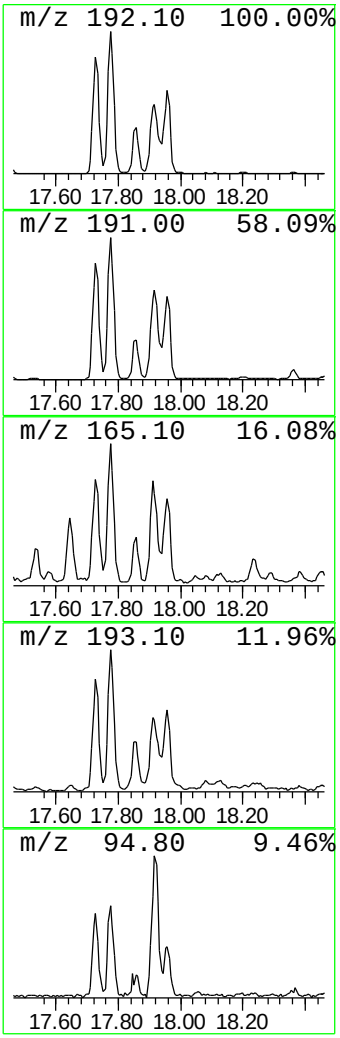
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	4.61 ng/ul	807891	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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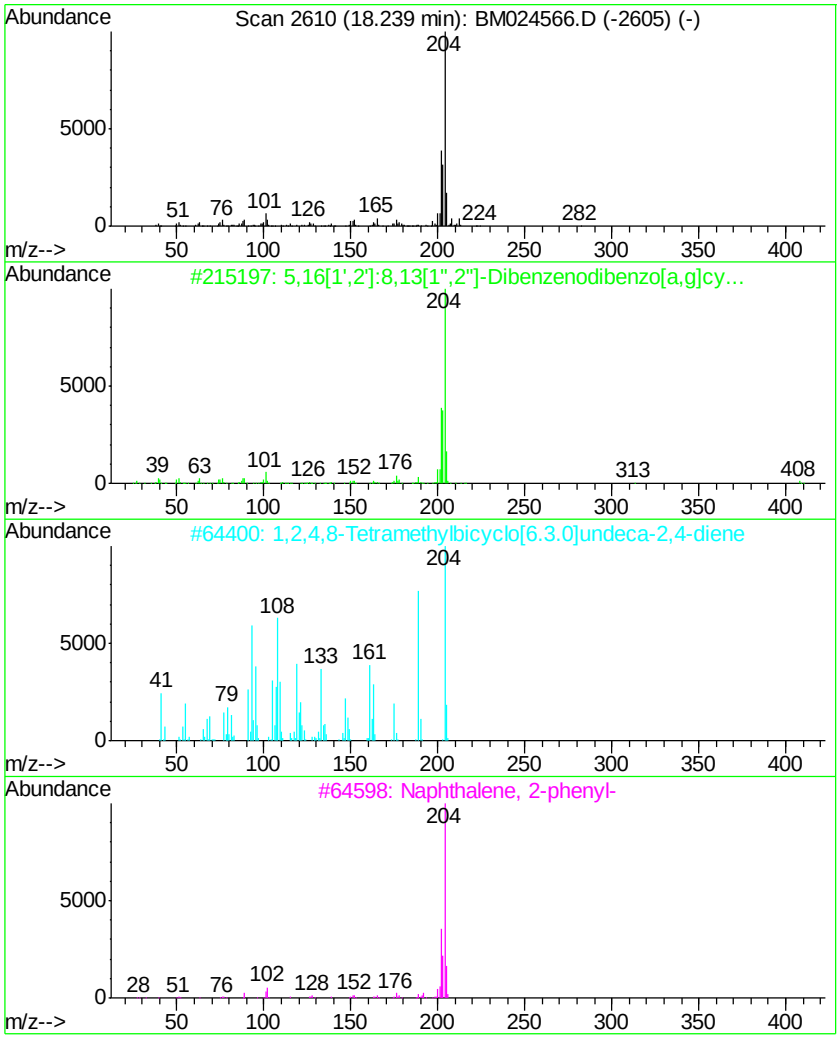
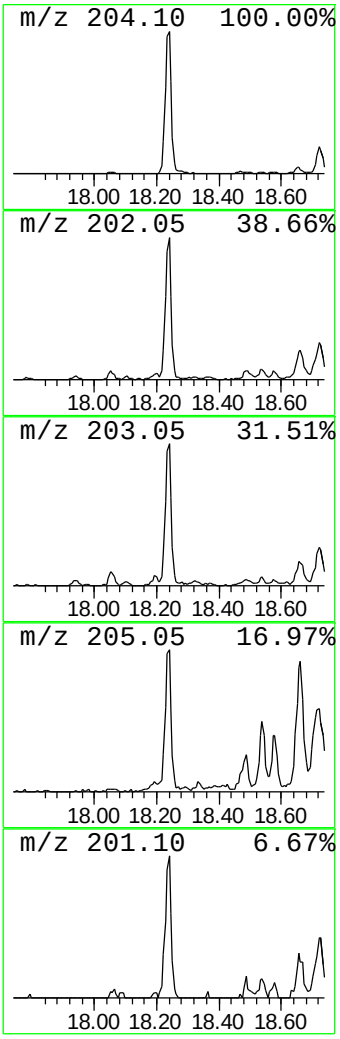
Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	4.14 ng/ul	725033	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Misc :
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Quant Title : SVOA CALIBRATION

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

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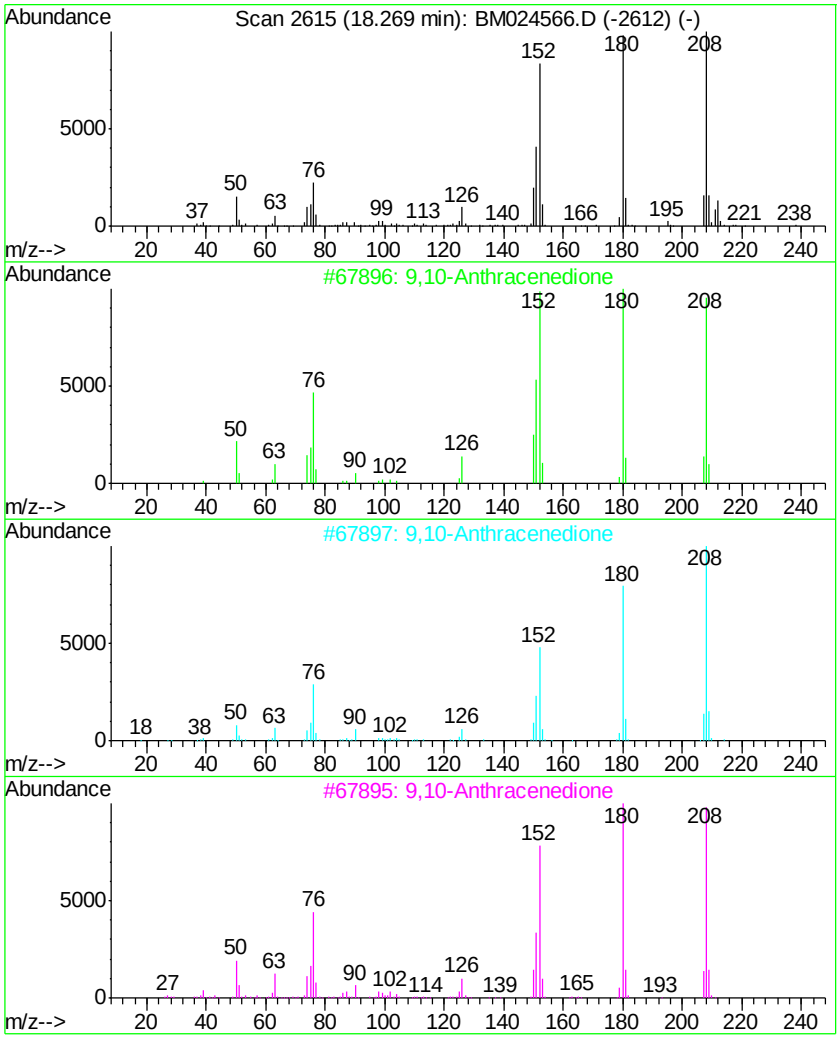
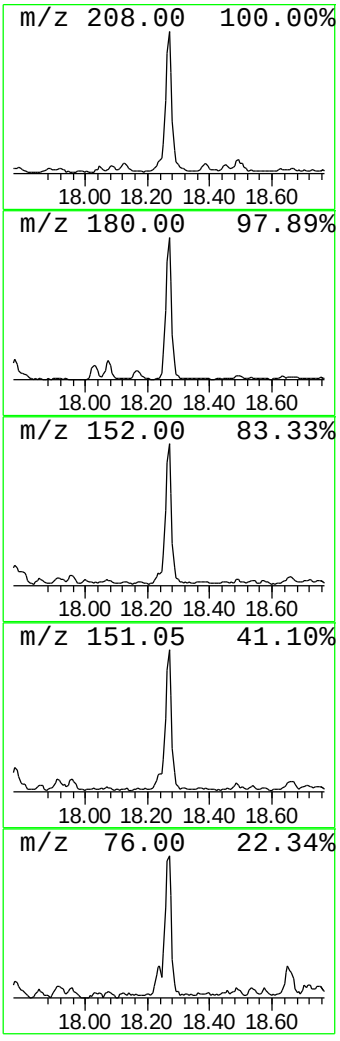
Peak Number 15 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	4.21 ng/ul	737842	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	70





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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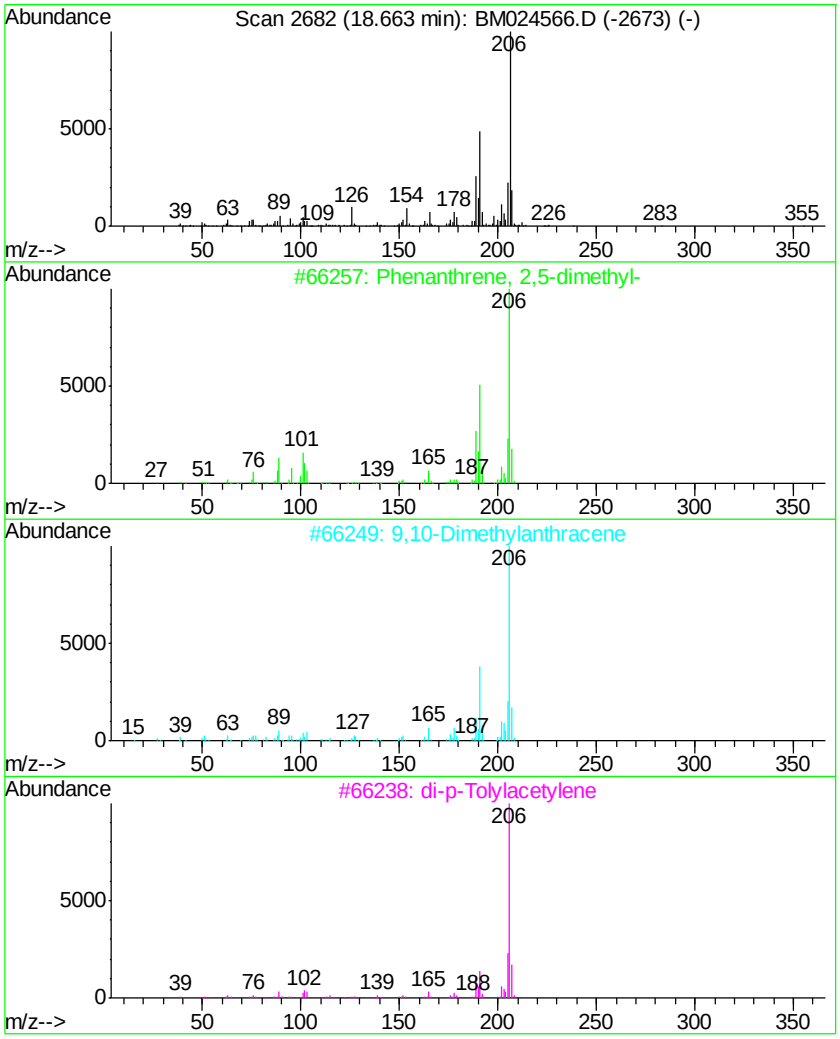
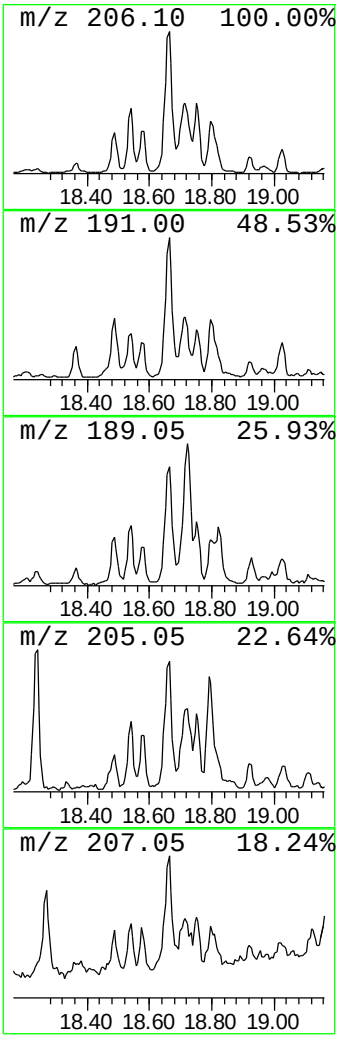
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	5.15 ng/ul	902067	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

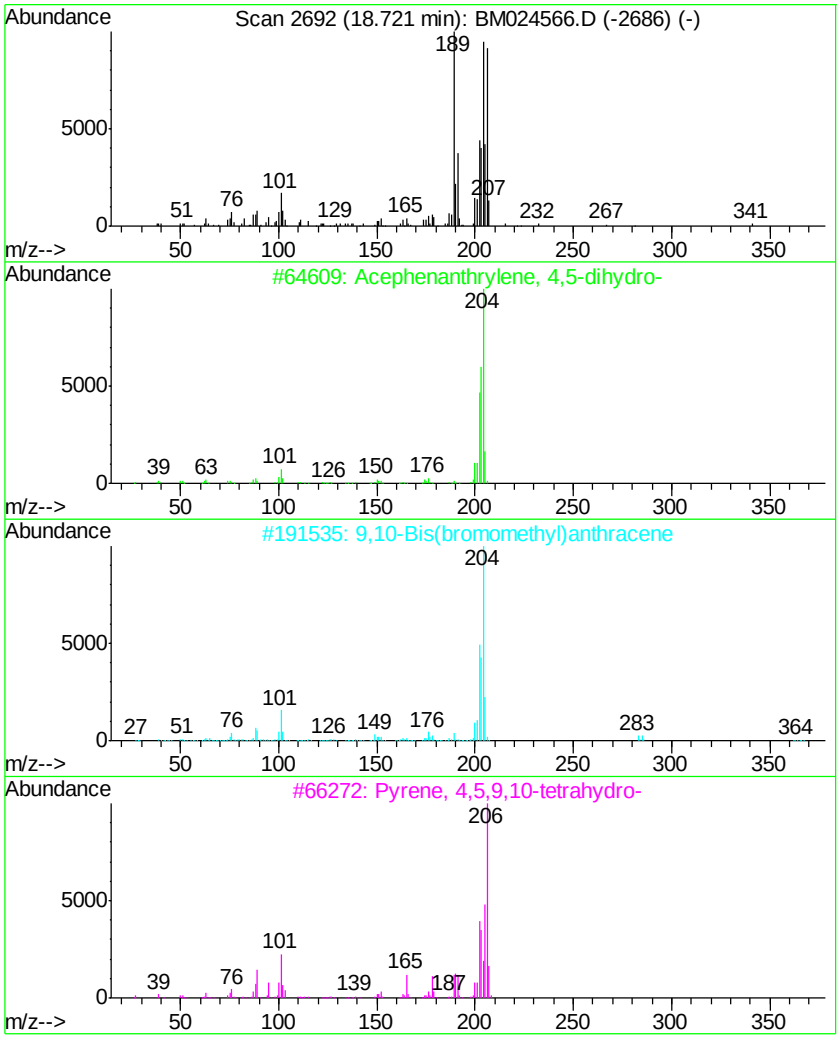
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

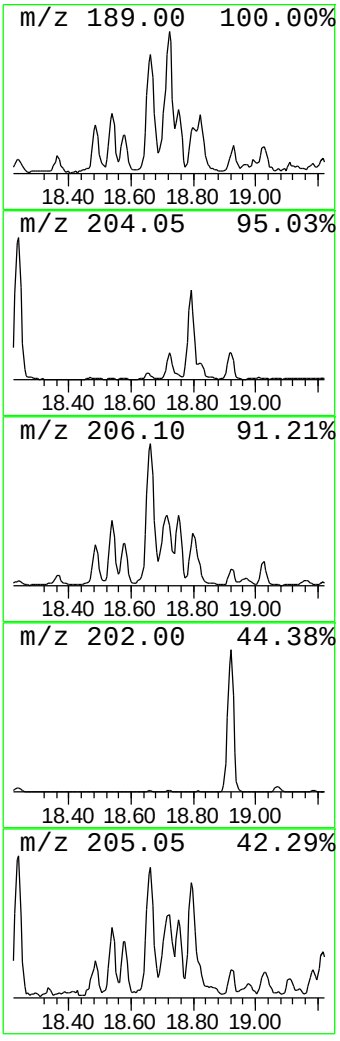
****

Peak Number 17 Acephenanthrylene, 4,5-dihy... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.03 ng/ul	355482	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	60
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	41
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38





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Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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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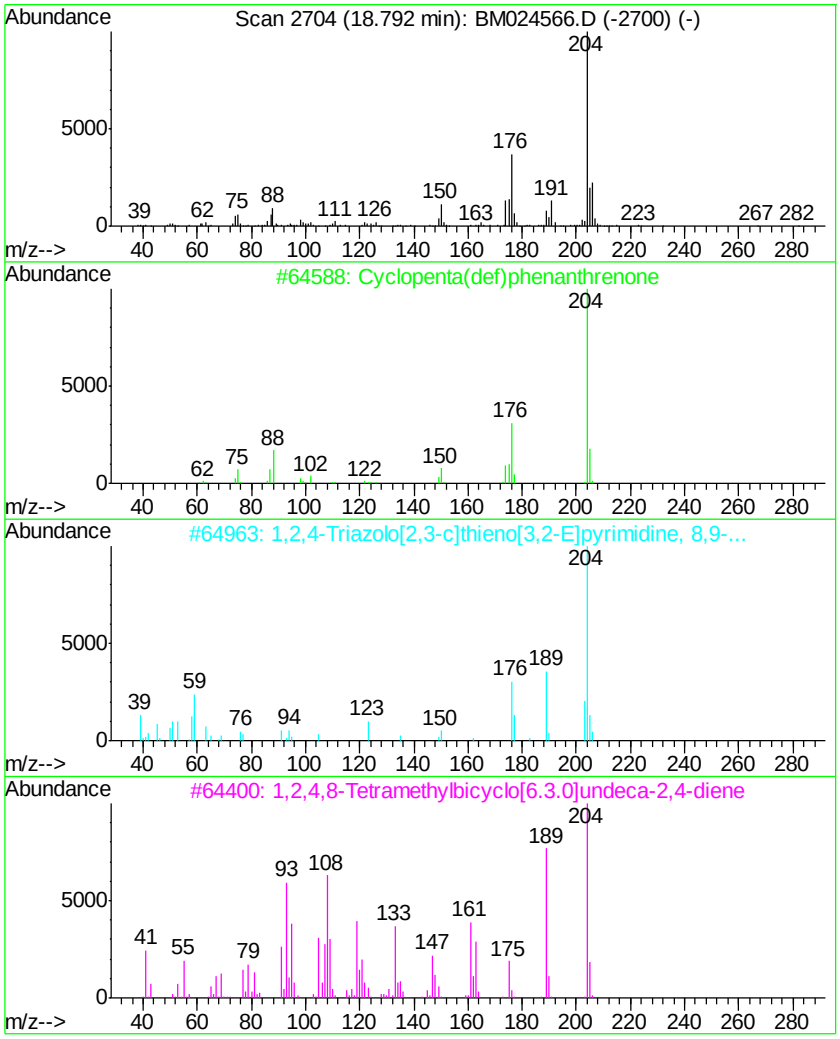
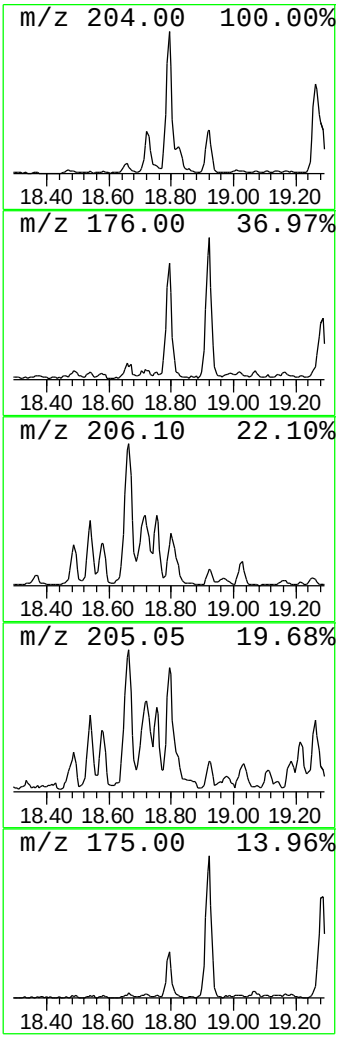
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	3.75 ng/ul	657156	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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Data File : BM024566.D
Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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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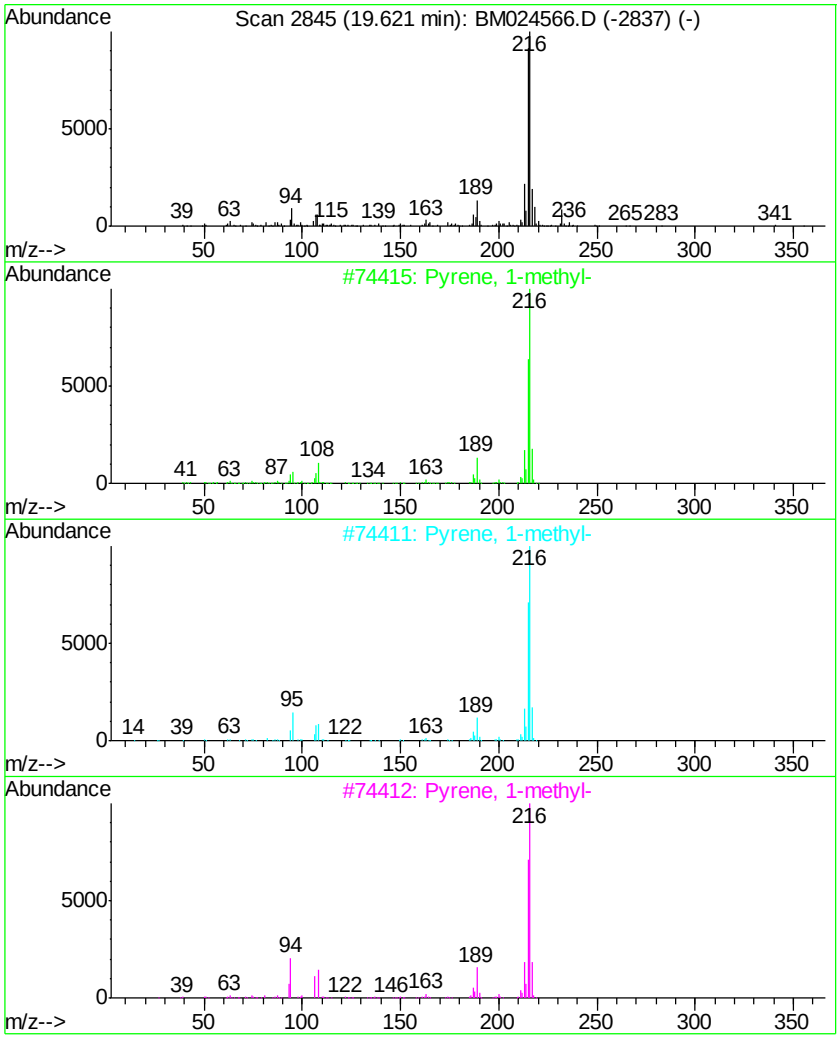
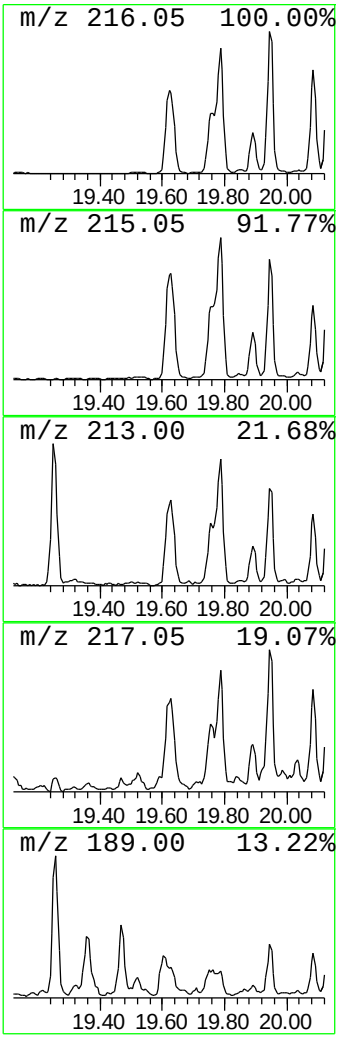
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	2.43 ng/ul	956397	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Data File : BM024566.D
Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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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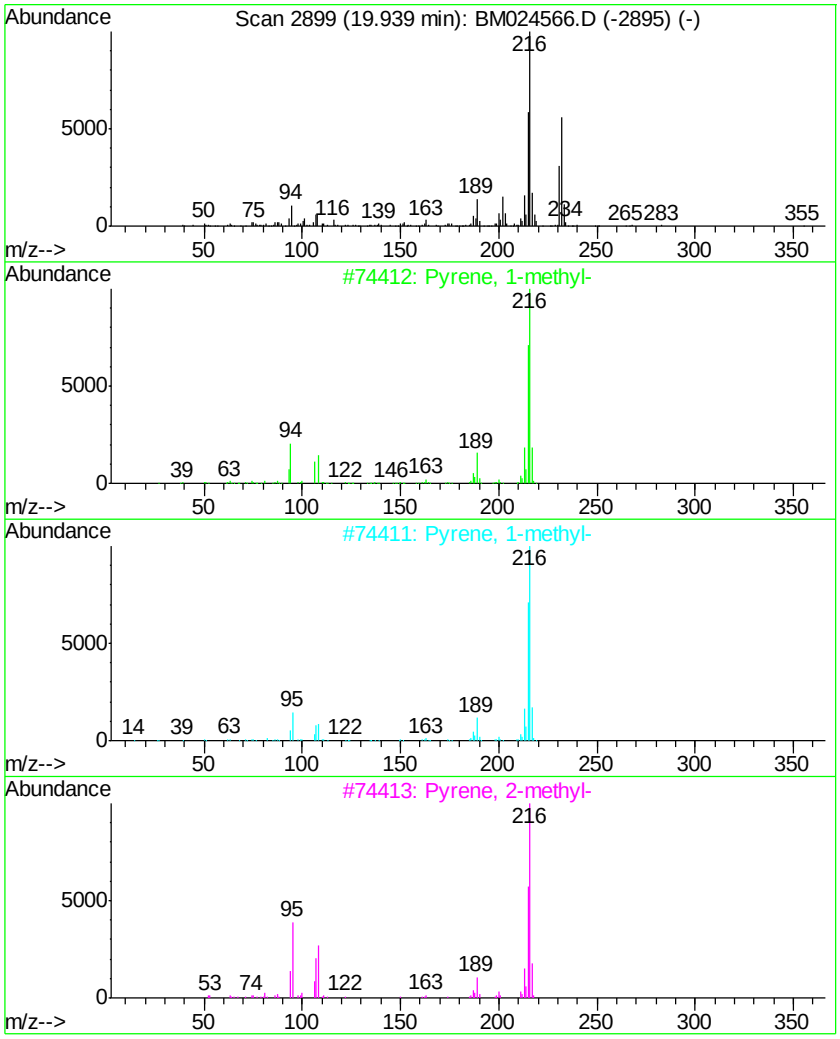
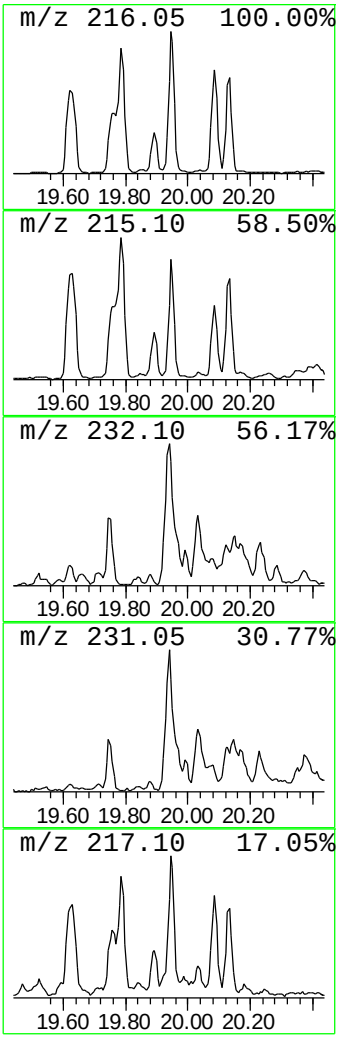
Peak Number 20 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.13 ng/ul	835828	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Data File : BM024566.D
Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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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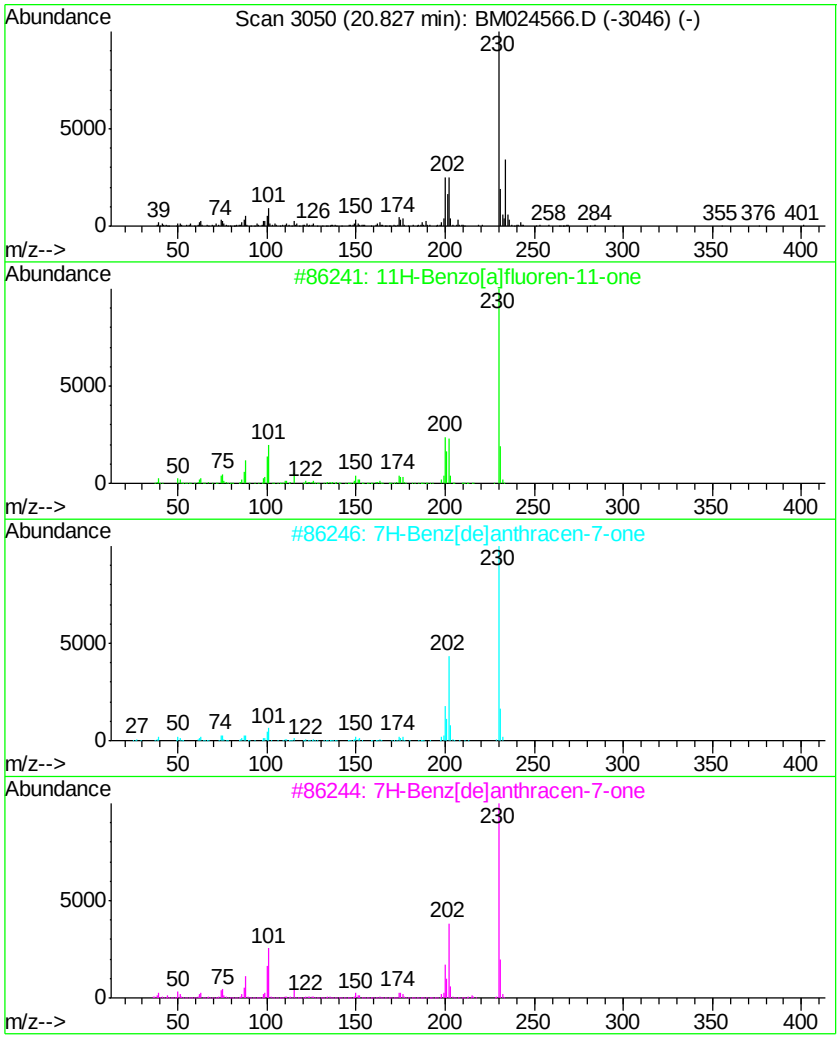
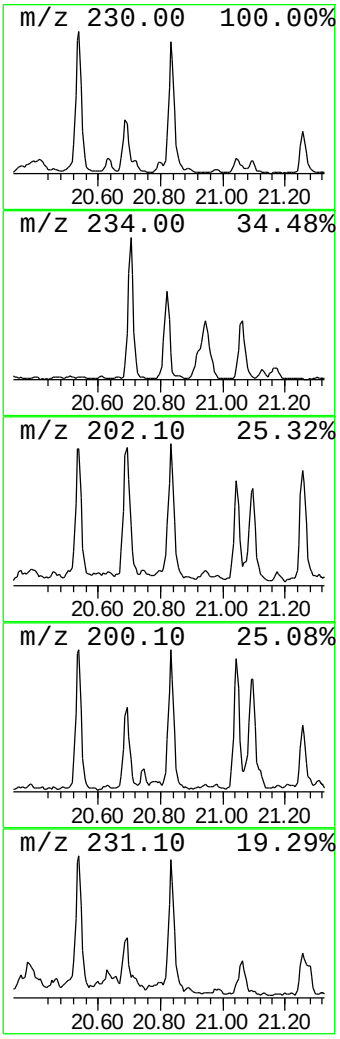
Peak Number 21 11H-Benzo[a]fluoren-11-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	2.04 ng/ul	800383	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	81
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024566.D
Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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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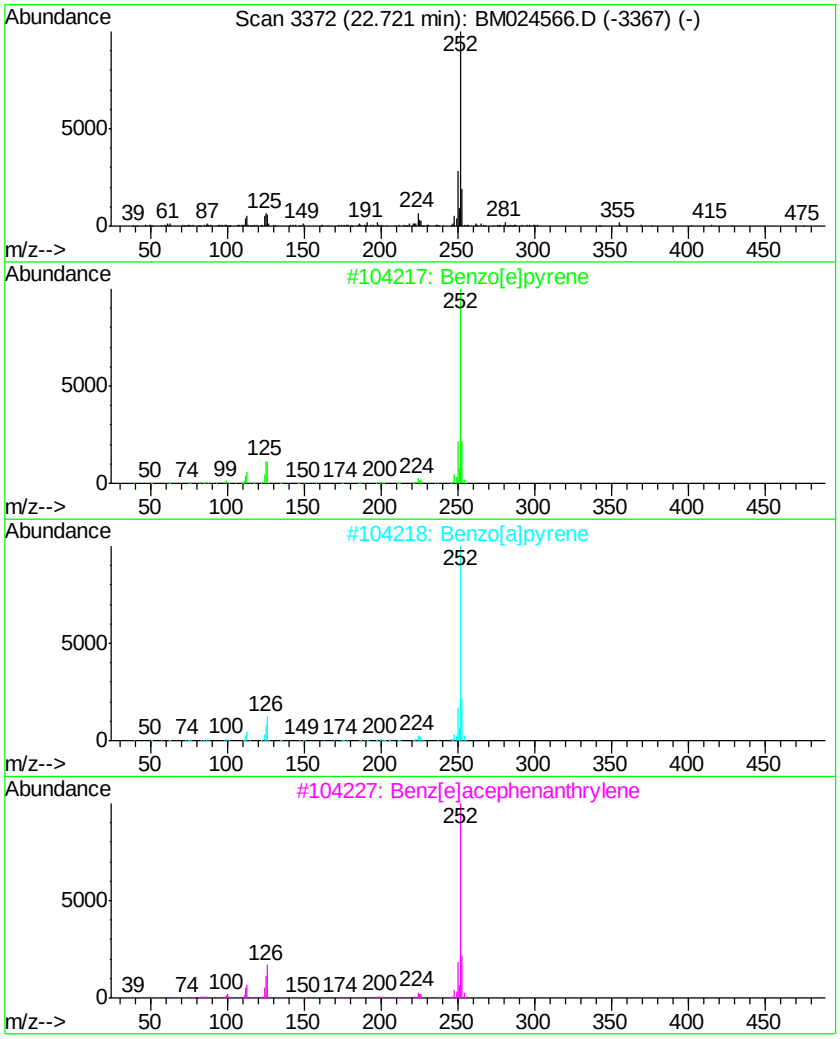
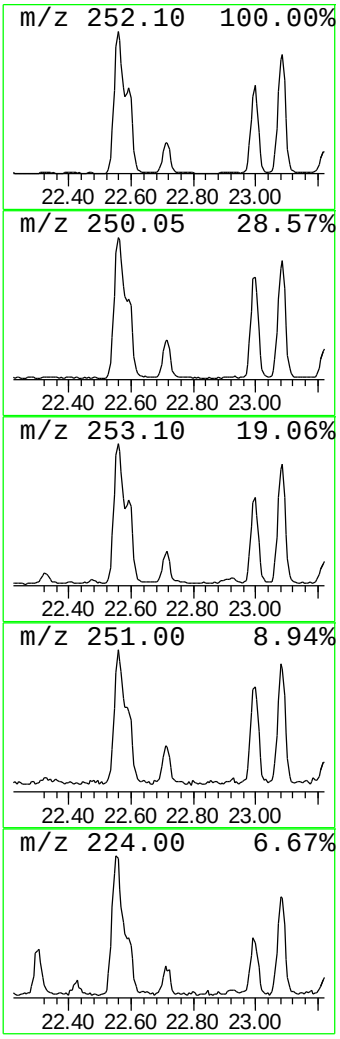
Peak Number 22 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.72	2.24 ng/ul	347944	Perylene-d12	23.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

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Data File : BM024566.D
Acq On : 21 Jan 2020 16:55
Operator : JU
Sample : L1109-09MEDL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASG8MEDL

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
Naphthalene, 1,6-...	13.26	2.8	ng/ul	399775	3	14.10	2903130	20.0
Naphthalene, 1,4-...	13.42	3.5	ng/ul	503373	3	14.10	2903130	20.0
Dibenzofuran, 4-m...	15.46	2.7	ng/ul	391600	3	14.10	2903130	20.0
9H-Fluoren-9-ol	15.60	3.4	ng/ul	600817	4	16.85	3501760	20.0
9H-Fluorene, 1-me...	16.17	2.6	ng/ul	462234	4	16.85	3501760	20.0
9H-Fluoren-9-one	16.50	3.3	ng/ul	581229	4	16.85	3501760	20.0
Naphtho[2,1-b]thi...	16.67	3.1	ng/ul	549180	4	16.85	3501760	20.0
Dibenzothiophene,...	17.43	2.2	ng/ul	383864	4	16.85	3501760	20.0
Phenanthrene, 2-m...	17.73	6.4	ng/ul	1116730	4	16.85	3501760	20.0
Phenanthrene, 1-m...	17.77	8.7	ng/ul	1516070	4	16.85	3501760	20.0
1H-Cyclopropa[l]p...	17.86	2.6	ng/ul	453943	4	16.85	3501760	20.0
Benzaldehyde, 3,5...	17.92	9.6	ng/ul	1683130	4	16.85	3501760	20.0
Anthracene, 2-met...	17.96	4.6	ng/ul	807891	4	16.85	3501760	20.0
5,16[1',2']:8,13[...	18.24	4.1	ng/ul	725033	4	16.85	3501760	20.0
9,10-Anthracenedione	18.27	4.2	ng/ul	737842	4	16.85	3501760	20.0
Phenanthrene, 2,5...	18.66	5.2	ng/ul	902067	4	16.85	3501760	20.0
Acephenanthrylene...	18.72	2.0	ng/ul	355482	4	16.85	3501760	20.0
Cyclopenta(def)ph...	18.79	3.8	ng/ul	657156	4	16.85	3501760	20.0
Pyrene, 1-methyl-	19.62	2.4	ng/ul	956397	5	21.06	7863520	20.0
Pyrene, 2-methyl-	19.94	2.1	ng/ul	835828	5	21.06	7863520	20.0
11H-Benzo[a]fluor...	20.83	2.0	ng/ul	800383	5	21.06	7863520	20.0
Benzo[e]pyrene	22.72	2.2	ng/ul	347944	6	23.18	3103530	20.0