LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

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-BM020620MA.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	6.593	625	630	639	rBV	73127	137295	1.62%	0.156%
2	6.751	650	657	667	rBV	73228	132620	1.56%	0.150%
3	6.934	683	688	698	rVB	93200	159291	1.88%	0.181%
4	7.393	758	766	778	rBV	960536	1584756	18.66%	1.798%
5	8.534	954	960	970	rBV	71061	127608	1.50%	0.145%
6	9.786	1168	1173	1183	rVB2	59852	128835	1.52%	0.146%
7	10.139	1227	1233	1246	rBV	1149716	1986395	23.39%	2.254%
8	11.622	1479	1485	1488	rVV	67290	123913	1.46%	0.141%
9	11.675	1489	1494	1502	rVV3	68765	197323	2.32%	0.224%
10	12.892	1697	1701	1710	rVB	121151	185151	2.18%	0.210%
11	13.463	1793	1798	1801	rBV	254882	434123	5.11%	0.493%
12	13.722	1837	1842	1844	rVV	275731	402572	4.74%	0.457%
13	13.751	1844	1847	1861	rVB	513711	792866	9.34%	0.900%
14	13.986	1882	1887	1890	rBV	131232	179759	2.12%	0.204%
15	14.039	1890	1896	1903	rVV	1814643	2608404	30.72%	2.959%
16	14.457	1960	1967	1973	rBV	72045	127539	1.50%	0.145%
17	14.527	1975	1979	1985	rVB	139412	205219	2.42%	0.233%
18	14.663	1996	2002	2009	rBV3	136179	320674	3.78%	0.364%
19	15.004	2054	2060	2062	rBV3	90943	157853	1.86%	0.179%
20	15.039	2062	2066	2071	rVB	471082	667158	7.86%	0.757%
21	15.116	2071	2079	2082	rBV4	58034	127717	1.50%	0.145%
22	15.227	2094	2098	2105	rVB5	112573	195377	2.30%	0.222%
23	15.298	2105	2110	2113	rBV3	65382	122187	1.44%	0.139%
24	15.786	2186	2193	2196	rBV2	116472	218134	2.57%	0.247%
25	15.892	2207	2211	2214	rBV	109890	130546	1.54%	0.148%
26	16.110	2239	2248	2253	rVV5	119718	344536	4.06%	0.391%
27	16.157	2253	2256	2261	rVV2	157502	251169	2.96%	0.285%
28	16.257	2269	2273	2280	rVB3	110590	205770	2.42%	0.233%
29	16.374	2290	2293	2298	rVB2	164942	251520	2.96%	0.285%
30	16.539	2316	2321	2326	rVV3	75712	141472	1.67%	0.161%
31	16.792	2358	2364	2369	rBV	2202129	3057417	36.00%	3.469%
32	16.833	2369	2371	2375	rVV	206949	243963	2.87%	0.277%
33	16.892	2375	2381	2384	rVV	387275	598136	7.04%	0.679%
34	16.927	2384	2387	2391	rVB	264268	339866	4.00%	0.386%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

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-BM020620MA.M
Title : SVOA CALIBRATION

35	16.998	2393	2399	2404	rBV4	199783	371615	4.38%	0.422%
36	17.321	2450	2454	2458	rVV	276510	409290	4.82%	0.464%
37	17.374	2460	2463	2469	rVB2	96333	158142	1.86%	0.179%
38	17.492	2480	2483	2486	rBV	112691	121668	1.43%	0.138%
39	17.615	2497	2504	2508	rBV	75253	158506	1.87%	0.180%
40	17.668	2508	2513	2518	rVV	609813	885965	10.43%	1.005%
41	17.721	2518	2522	2530	rVB	656045	923627	10.88%	1.048%
42	17.798	2530	2535	2540	rBV	320515	468436	5.52%	0.531%
43	17.862	2540	2546	2550	rVV2	1405156	2393820	28.19%	2.716%
44	17.898	2550	2552	2557	rVB	524854	642792	7.57%	0.729%
45	17.998	2565	2569	2574	rBV	163344	242316	2.85%	0.275%
46	18.074	2579	2582	2586	rVB2	104925	130342	1.53%	0.148%
47	18.145	2586	2594	2596	rBV3	165359	318303	3.75%	0.361%
48	18.180	2596	2600	2605	rVB	676859	897589	10.57%	1.018%
49	18.309	2618	2622	2628	rBV3	85089	170676	2.01%	0.194%
50	18.433	2639	2643	2647	rBV2	267716	336674	3.96%	0.382%
51	18.486	2647	2652	2655	rVB	326244	415209	4.89%	0.471%
52	18.521	2655	2658	2663	rVB	271883	340842	4.01%	0.387%
53	18.604	2663	2672	2677	rBV2	968484	1711497	20.15%	1.942%
54	18.662	2677	2682	2685	rBV2	641263	1045453	12.31%	1.186%
55	18.698	2685	2688	2691	rVB	414911	497136	5.85%	0.564%
56	18.739	2691	2695	2697	rBV2	422823	559530	6.59%	0.635%
57	18.862	2710	2716	2725	rBV2	2649093	4098749	48.26%	4.650%
58	18.945	2725	2730	2733	rVV	426325	578366	6.81%	0.656%
59	18.974	2733	2735	2738	rVV3	242851	353468	4.16%	0.401%
60	19.015	2738	2742	2747	rVV	1018196	1315635	15.49%	1.493%
61	19.074	2747	2752	2756	rVB2	94375	149295	1.76%	0.169%
62	19.133	2758	2762	2769	rVB	274485	461160	5.43%	0.523%
63	19.227	2769	2778	2789	rBV	5468910	8224042	96.84%	9.331%
64	19.321	2790	2794	2800	rVB2	204381	338449	3.99%	0.384%
65	19.374	2800	2803	2806	rBV2	89961	145974	1.72%	0.166%
66	19.415	2806	2810	2813	rVV	157196	199656	2.35%	0.227%
67	19.480	2816	2821	2828	rVB5	193396	420240	4.95%	0.477%
68	19.568	2831	2836	2847	rVB3	832788	1545406	18.20%	1.753%
69	19.656	2847	2851	2853	rBV2	156103	208293	2.45%	0.236%
70	19.709	2854	2860	2861	rVV4	796715	1355839	15.97%	1.538%
71	19.733	2861	2864	2869	rVB	1320636	1973643	23.24%	2.239%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

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-BM020620MA.M
Title : SVOA CALIBRATION

72	19.798	2872	2875	2878	rVV5	108138	182598	2.15%	0.207%
73	19.839	2878	2882	2887	rVV	1029526	1386748	16.33%	1.573%
74	19.892	2887	2891	2896	rVV	1098377	1520408	17.90%	1.725%
75	19.933	2896	2898	2903	rVB3	133219	159561	1.88%	0.181%
76	19.986	2903	2907	2911	rBV5	142186	303695	3.58%	0.345%
77	20.033	2911	2915	2919	rVV	937704	1227179	14.45%	1.392%
78	20.080	2919	2923	2933	rVB2	1040320	1448152	17.05%	1.643%
79	20.298	2957	2960	2963	rBV4	94534	136929	1.61%	0.155%
80	20.339	2963	2967	2970	rBV	220936	359188	4.23%	0.408%
81	20.456	2982	2987	2990	rBV3	269474	530267	6.24%	0.602%
82	20.621	3011	3015	3018	rBV3	216054	377382	4.44%	0.428%
83	20.692	3024	3027	3030	rBV	573892	639529	7.53%	0.726%
84	20.727	3030	3033	3036	rVB	219269	225552	2.66%	0.256%
85	21.003	3073	3080	3084	rBV3	4557431	8492249	100.00%	9.635%
86	21.045	3084	3087	3094	rVB	2275590	3149999	37.09%	3.574%
87	21.209	3112	3115	3121	rVB	416613	529613	6.24%	0.601%
88	21.497	3160	3164	3167	rBV2	305404	405447	4.77%	0.460%
89	21.550	3167	3173	3177	rVV	1144882	1747401	20.58%	1.983%
90	21.597	3177	3181	3185	rVB2	586196	798524	9.40%	0.906%
91	21.727	3200	3203	3206	rBV	450293	589773	6.94%	0.669%
92	21.762	3206	3209	3213	rVB	696014	860771	10.14%	0.977%
93	21.833	3218	3221	3225	rVB2	280762	349955	4.12%	0.397%
94	22.497	3328	3334	3338	rBV2	952168	2215983	26.09%	2.514%
95	22.650	3356	3360	3366	rVB	455879	780543	9.19%	0.886%
96	22.927	3403	3407	3411	rBV	696118	1062527	12.51%	1.206%
97	22.974	3412	3415	3418	rVV	360194	553876	6.52%	0.628%
98	23.015	3418	3422	3427	rVB	1334535	2011242	23.68%	2.282%
99	23.103	3432	3437	3443	rVV	2183813	3456183	40.70%	3.921%
100	25.144	3780	3784	3796	rVB2	485446	1181214	13.91%	1.340%

Sum of corrected areas: 88137295

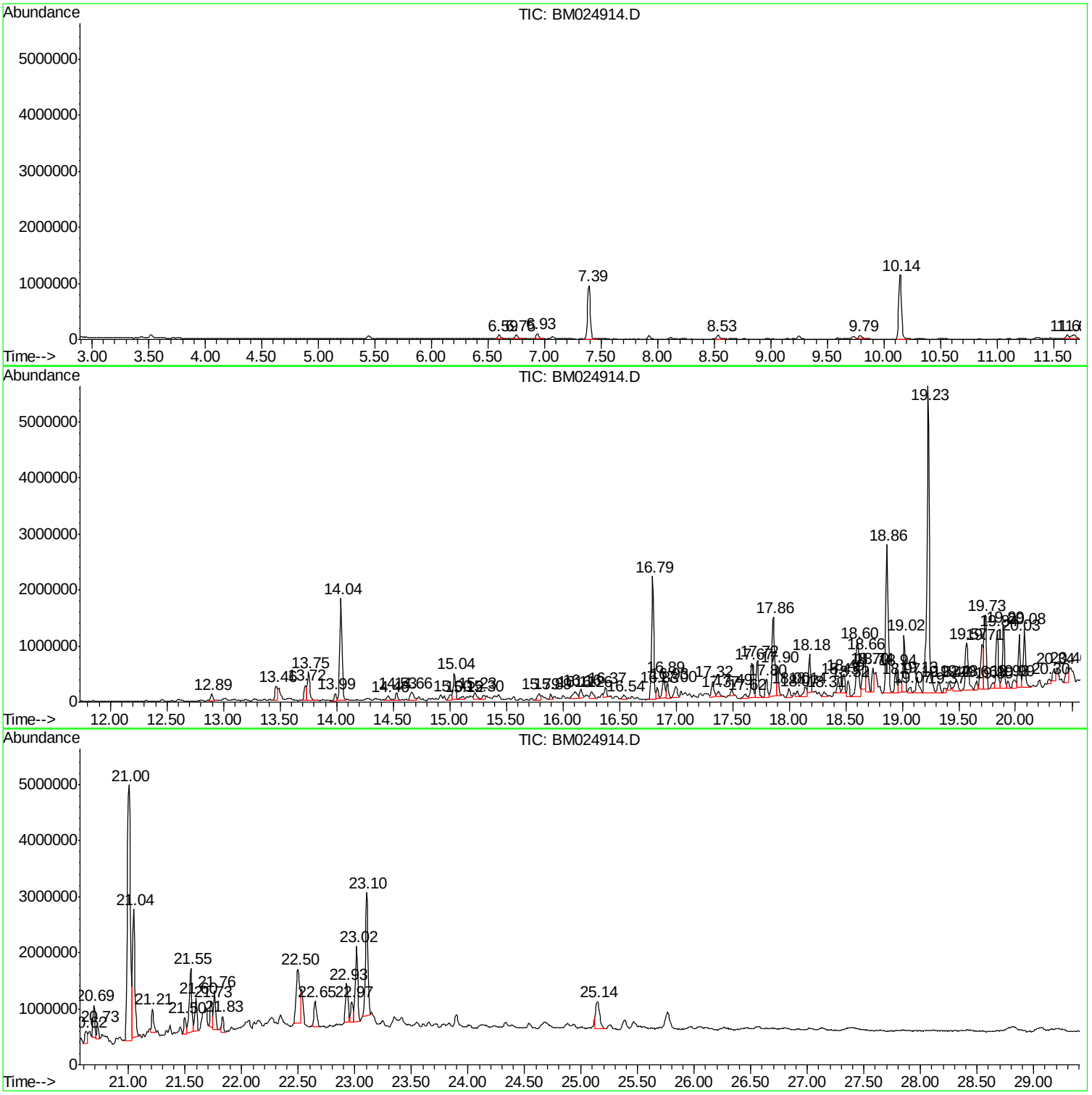
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

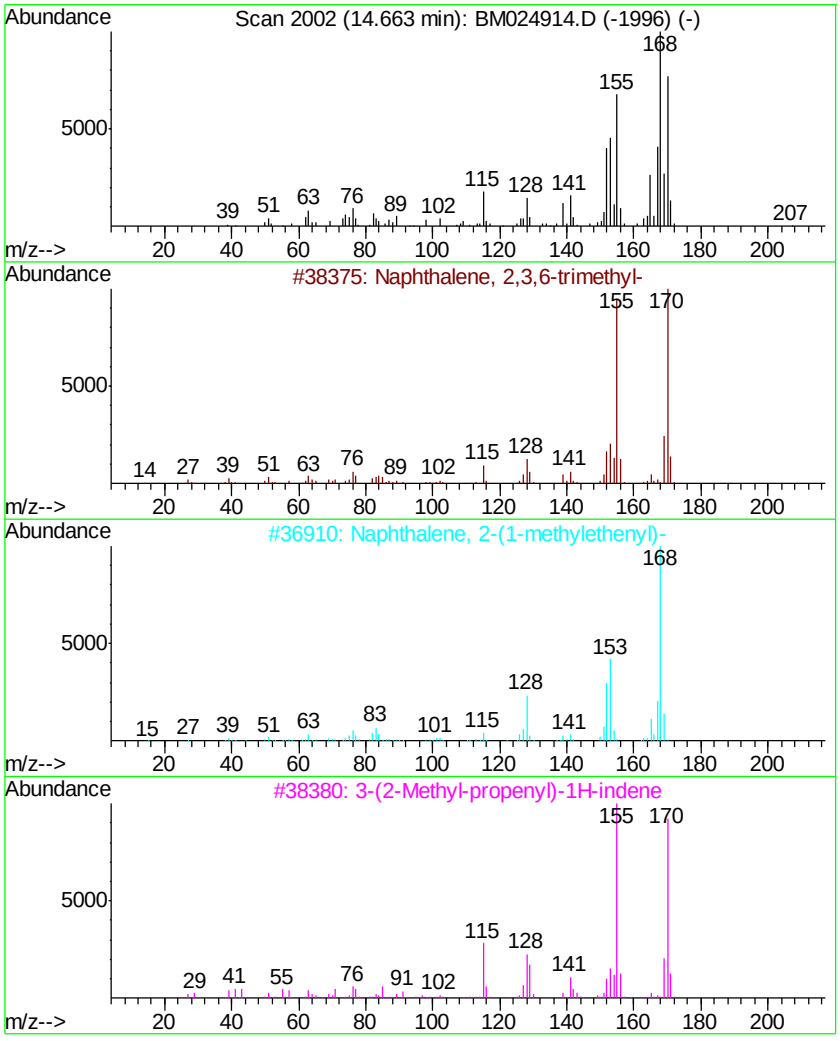
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

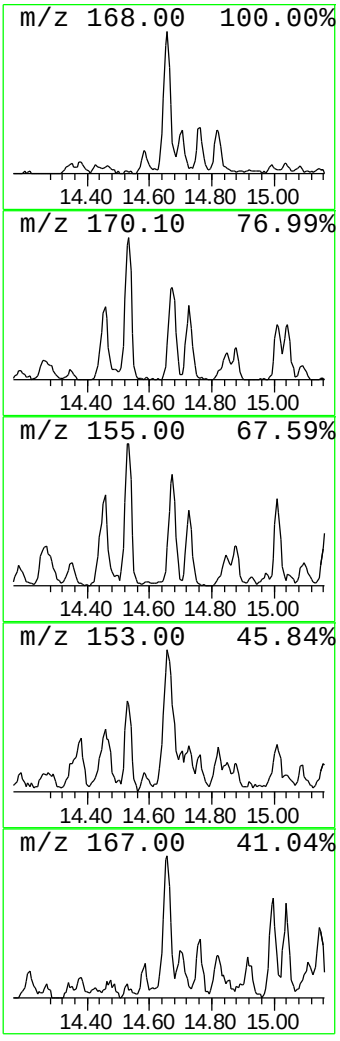
****

Peak Number 1 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	2.46 ng/ul	320674	Acenaphthene-d10	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	46
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	43
3	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	42
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	42
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

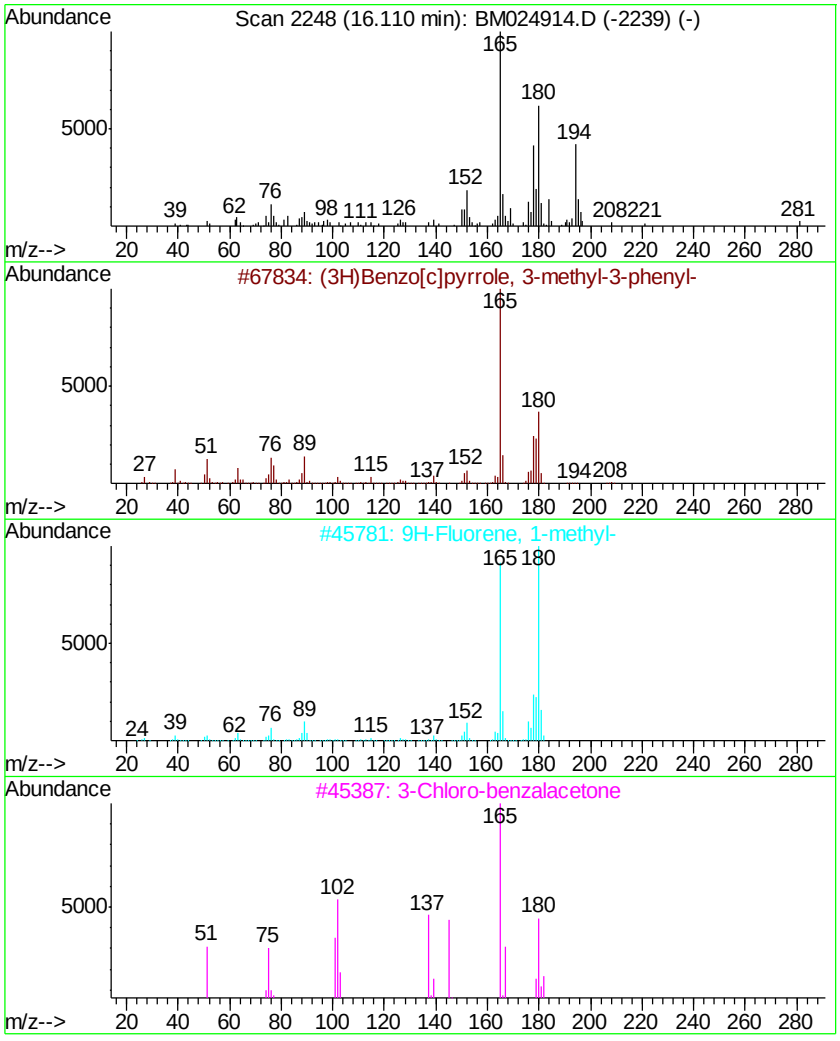
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

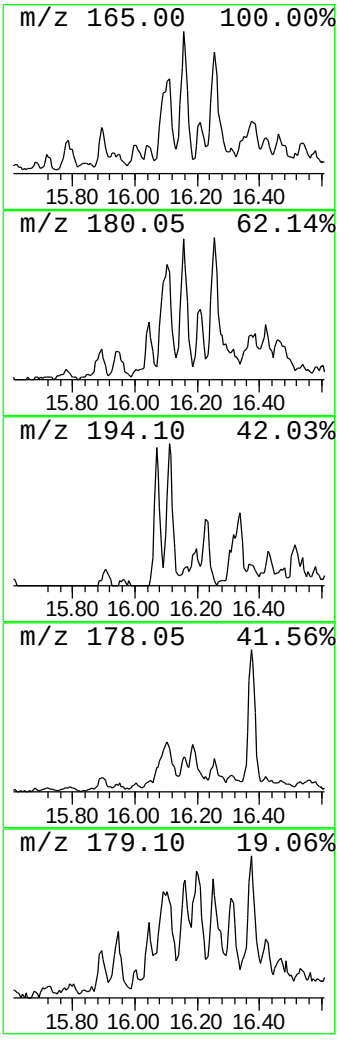
****

Peak Number 2 (3H)Benzo[c]pyrrole, 3-meth... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	2.25 ng/ul	344536	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	58
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	55
3	3-Chloro-benzalacetone	180	C10H9ClO	1000146-90-5	55
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	55
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	55





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

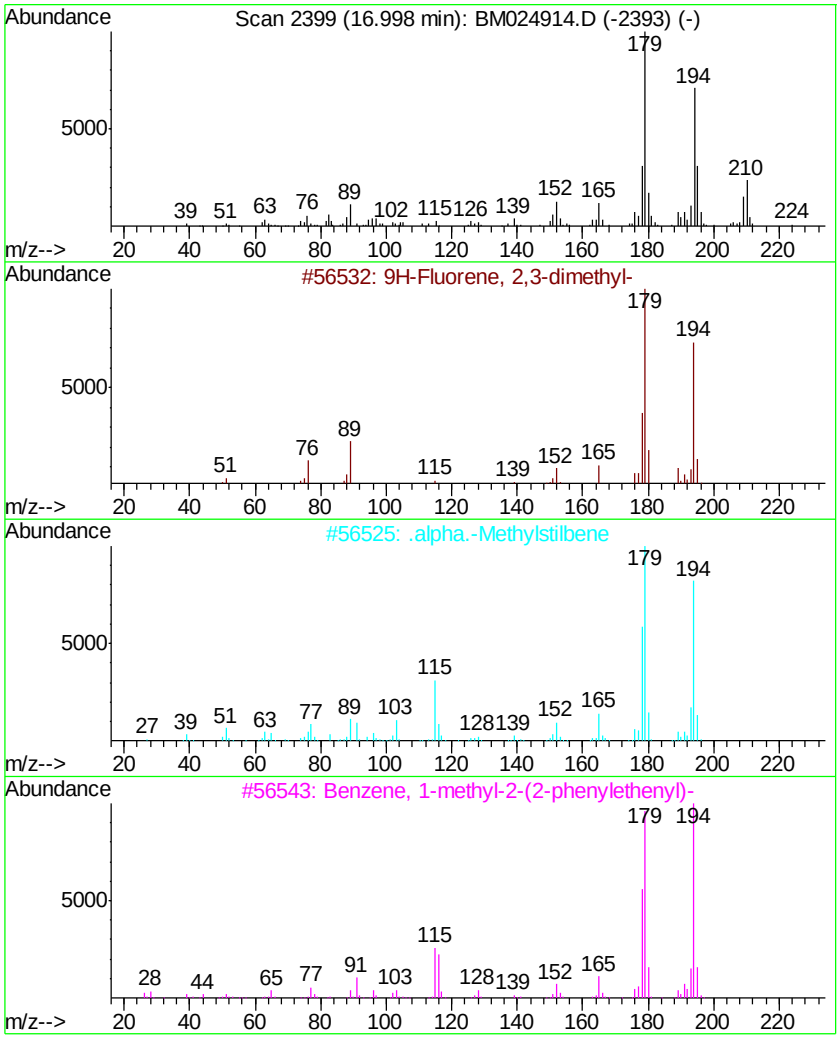
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

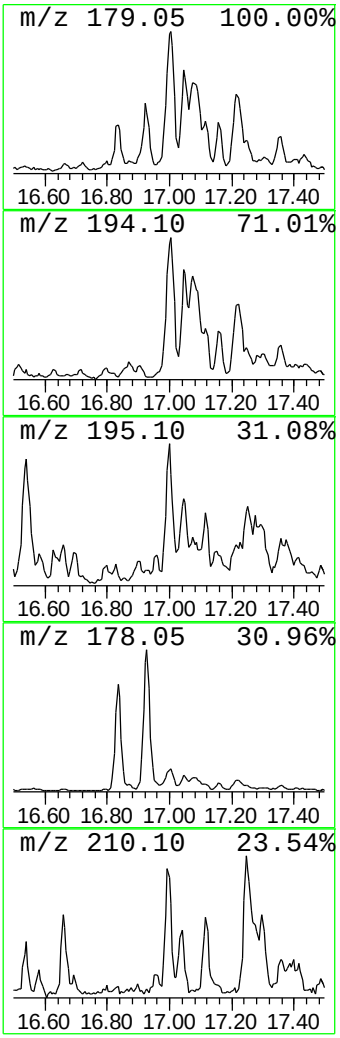
****

Peak Number 3 9H-Fluorene, 2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	2.43 ng/ul	371615	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	94
2	.alpha.-Methylstilbene	194	C15H14	000779-51-1	83
3	Benzene, 1-methyl-2-(2-phenyleth...	194	C15H14	074685-42-0	53
4	Anthracene, 9-ethyl-9,10-dihydro-	208	C16H16	000605-82-3	46
5	10,11-Dihydro-5H-dibenzo(a,d)cyc...	194	C15H14	000833-48-7	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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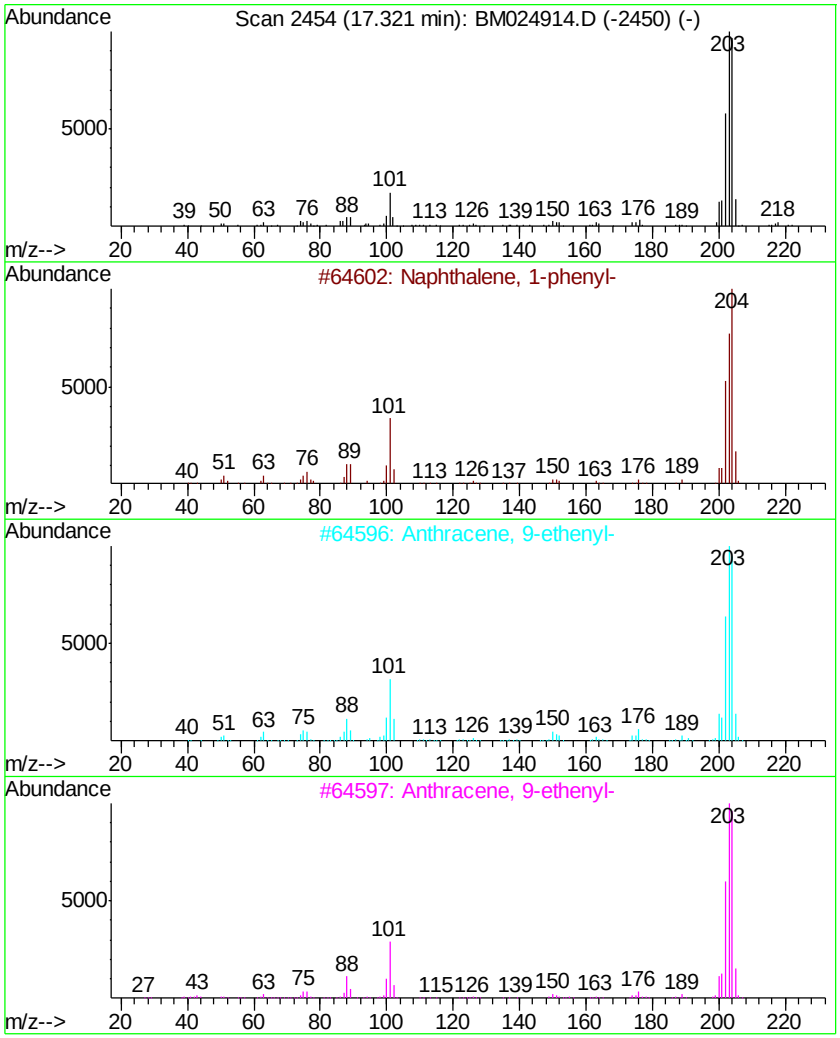
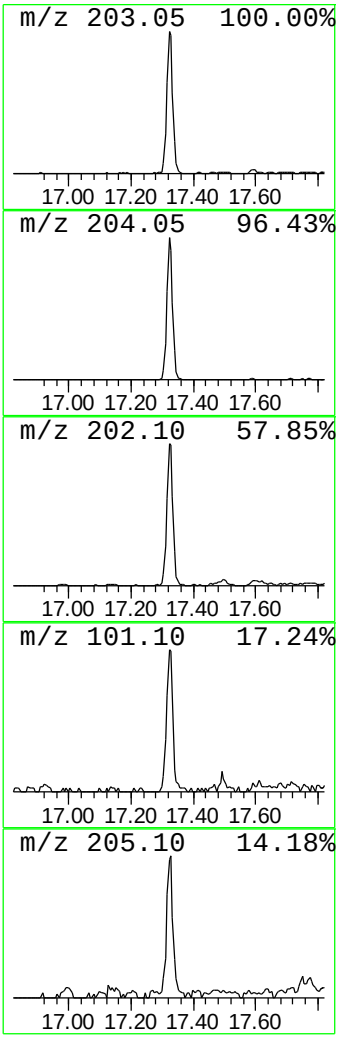
Peak Number 4 Naphthalene, 1-phenyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.32	2.68 ng/ul	409290	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	81
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	81
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	74
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

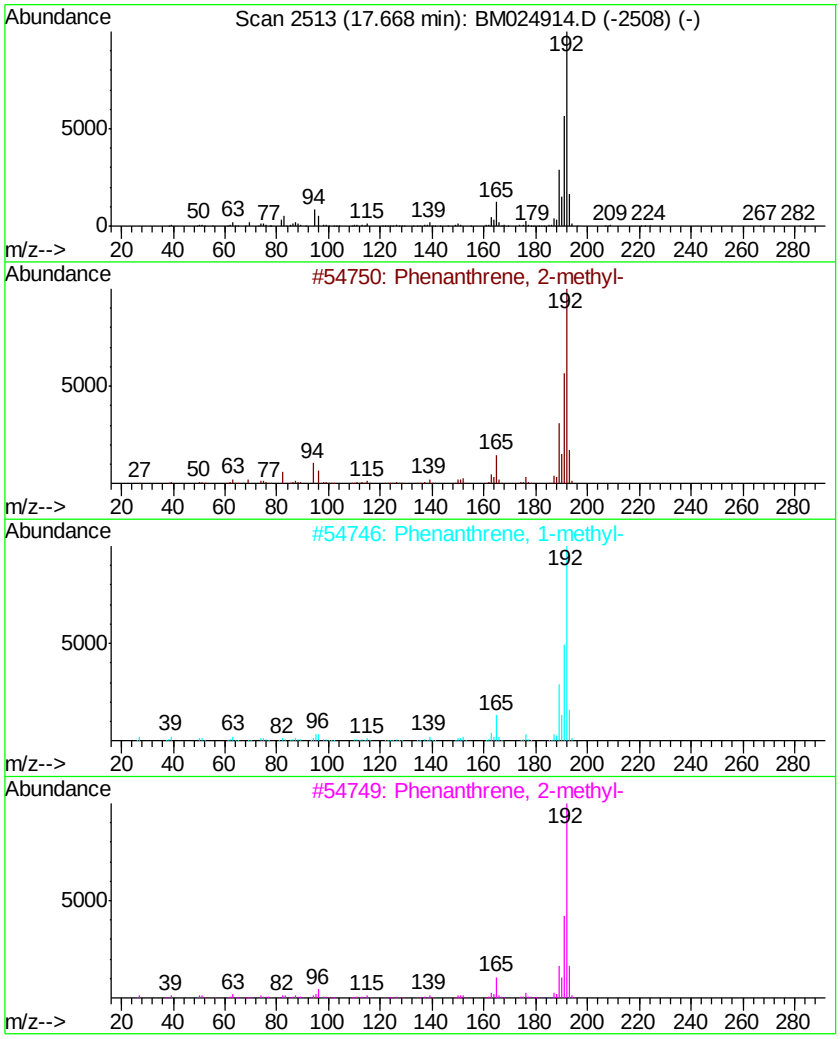
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

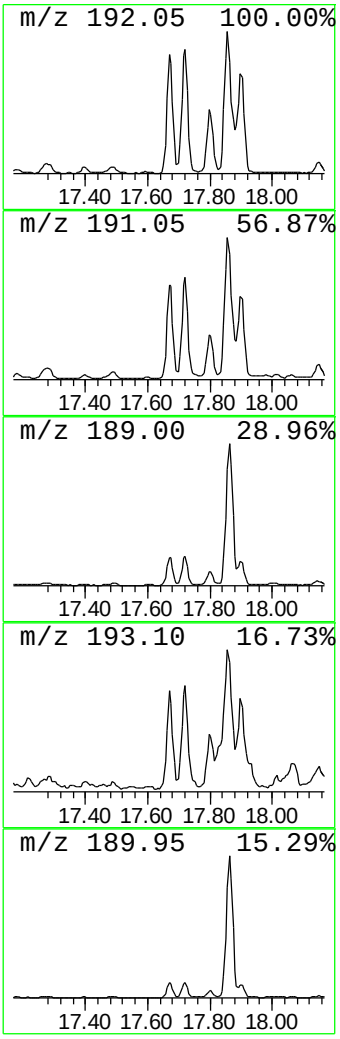
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	5.80 ng/ul	885965	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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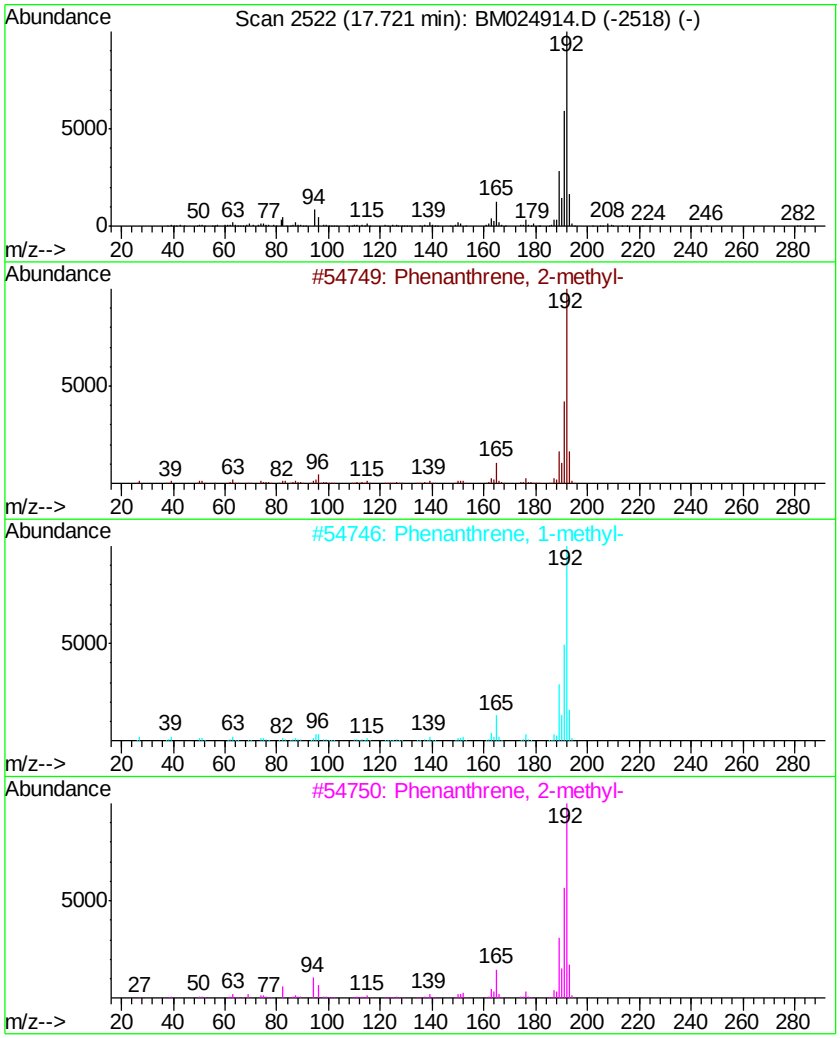
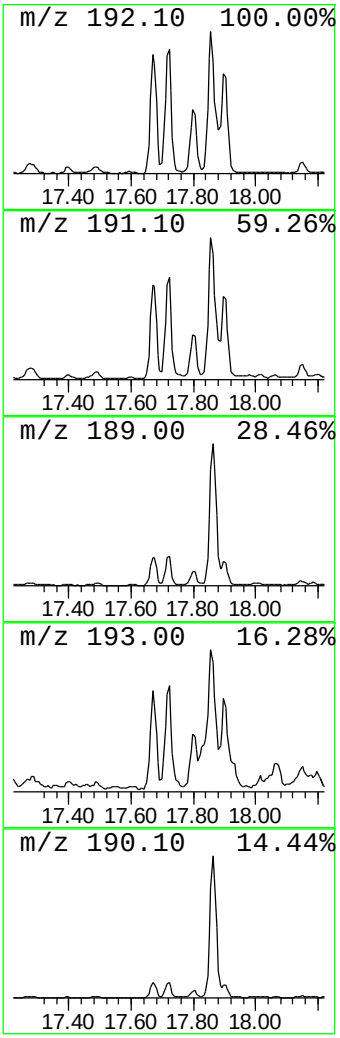
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	6.04 ng/ul	923627	Phenanthrene-d10	16.79

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





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Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

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Quant Title : SVOA CALIBRATION

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

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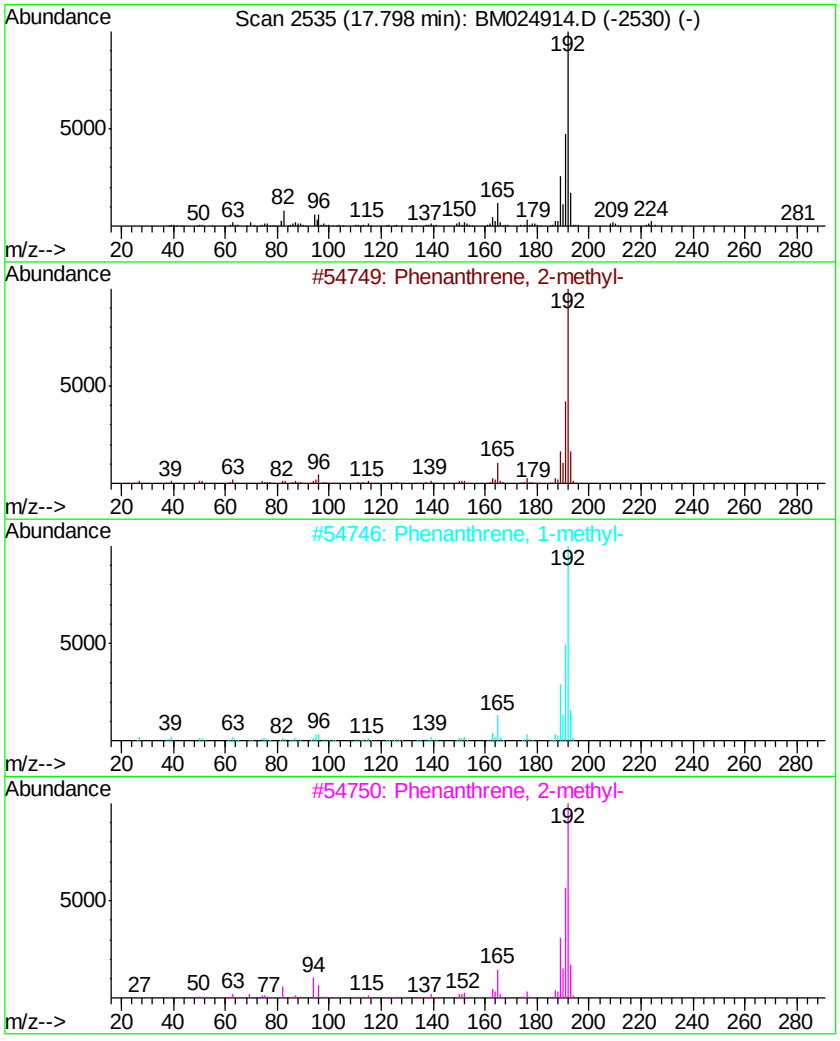
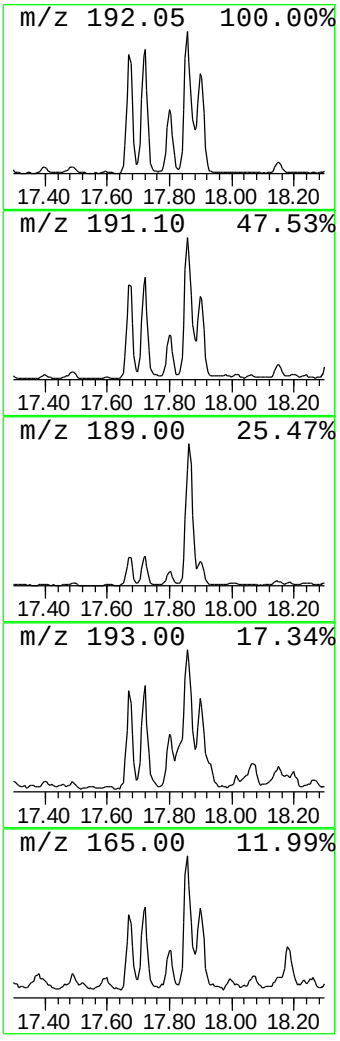
Peak Number 7 Anthracene, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	3.06 ng/ul	468436	Phenanthrene-d10	16.79

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	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Library Search Compound Report

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Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

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Quant Title : SVOA CALIBRATION

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

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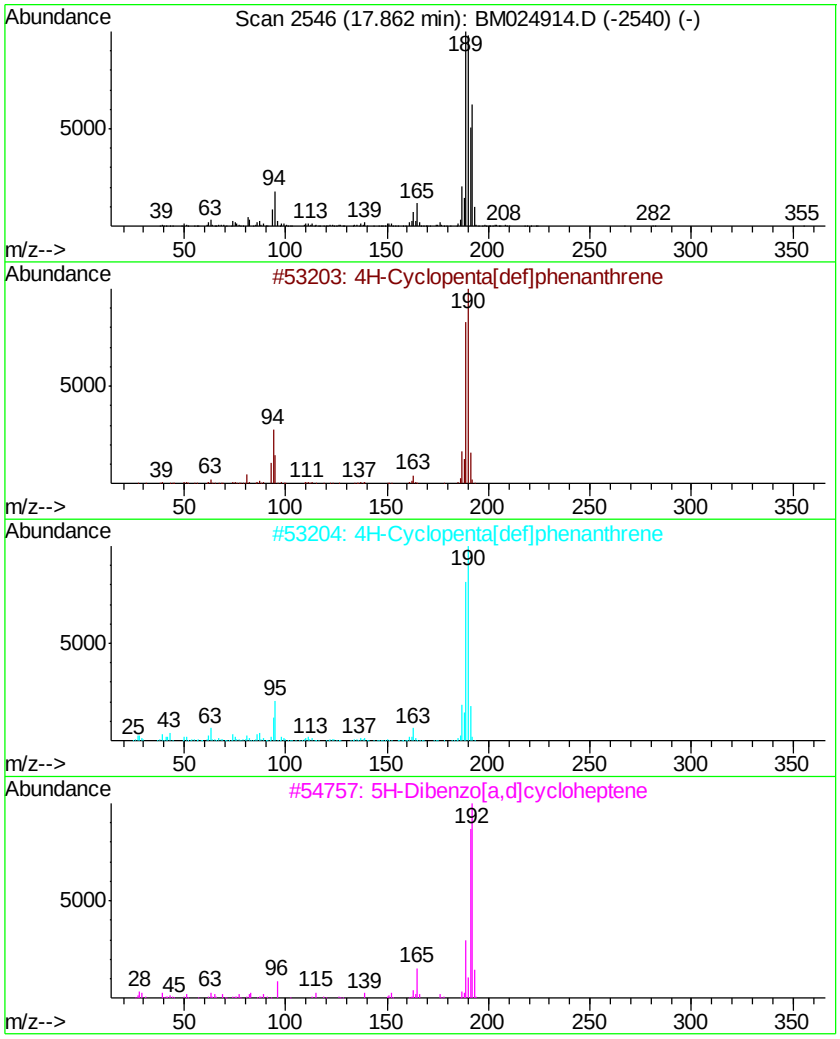
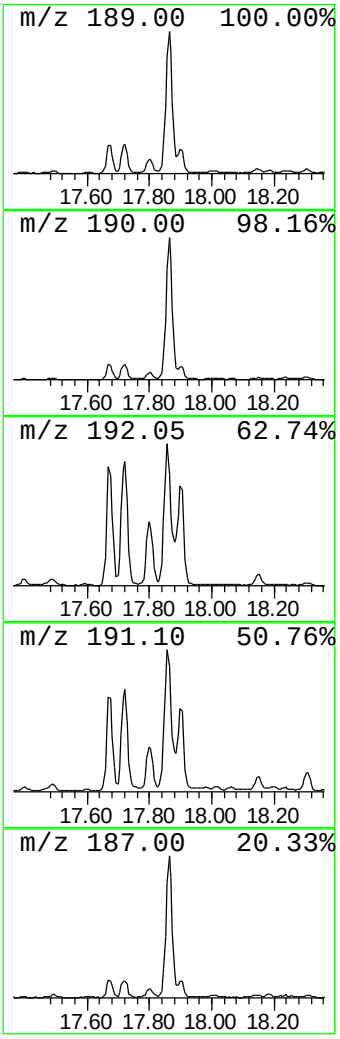
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	15.66 ng/ul	2393820	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	25





Library Search Compound Report

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Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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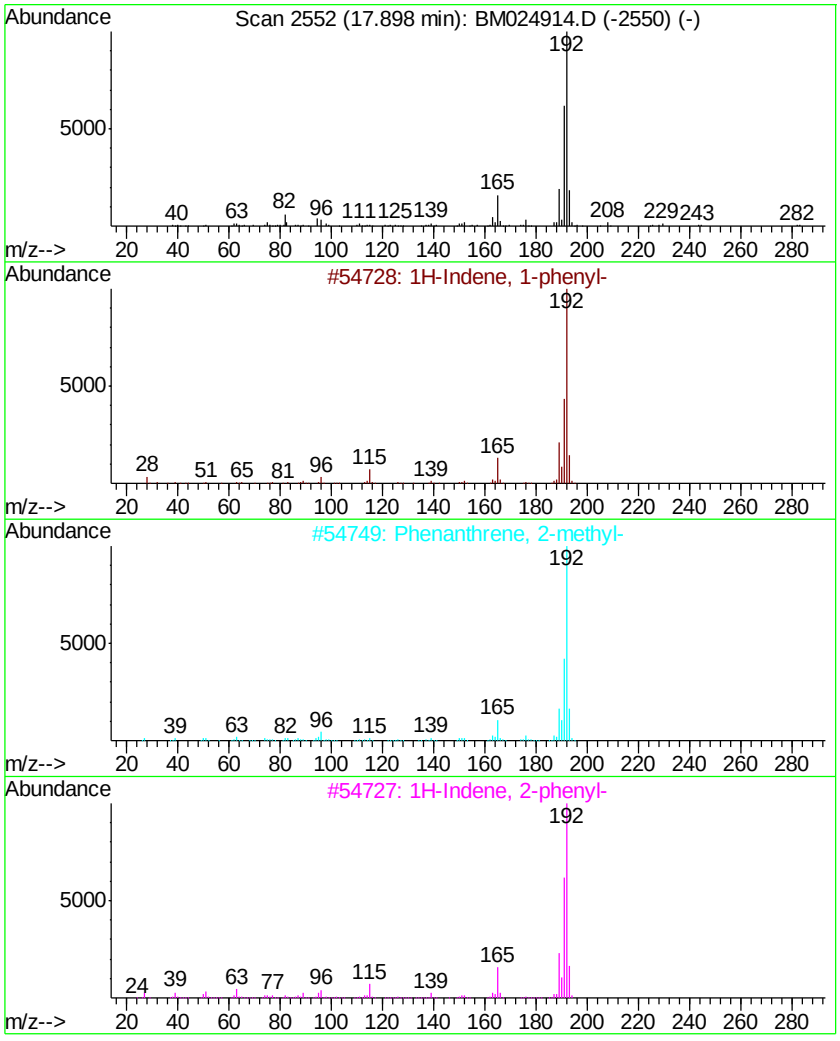
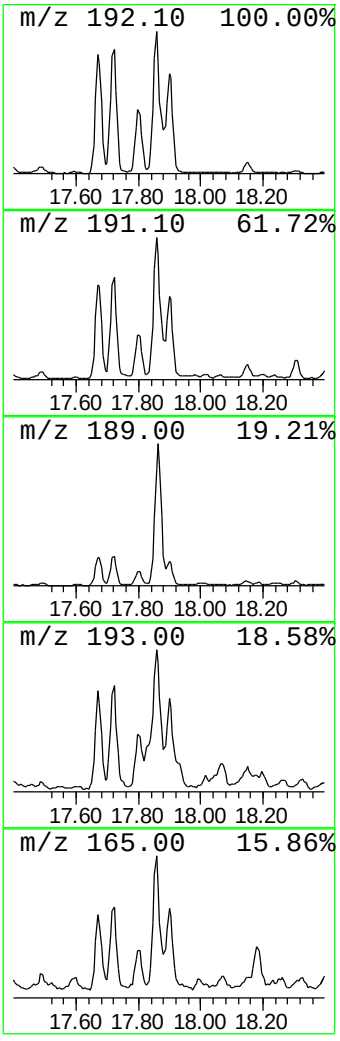
Peak Number 9 1H-Indene, 1-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	4.20 ng/ul	642792	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87





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Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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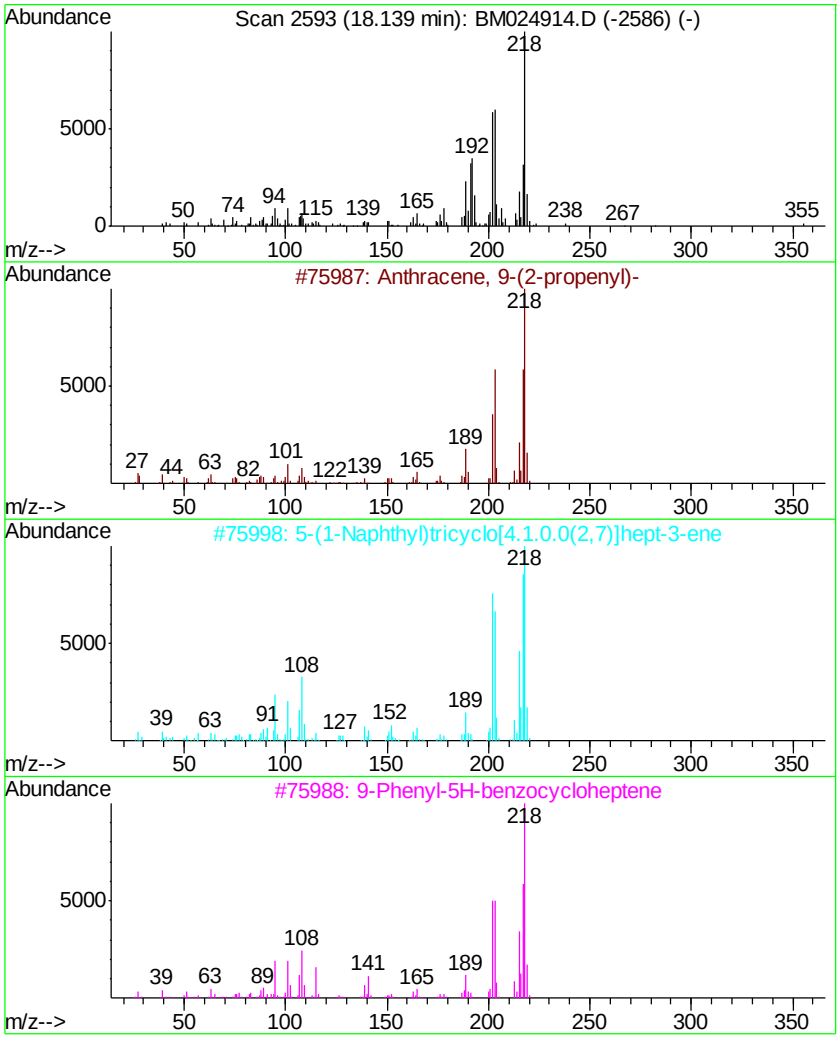
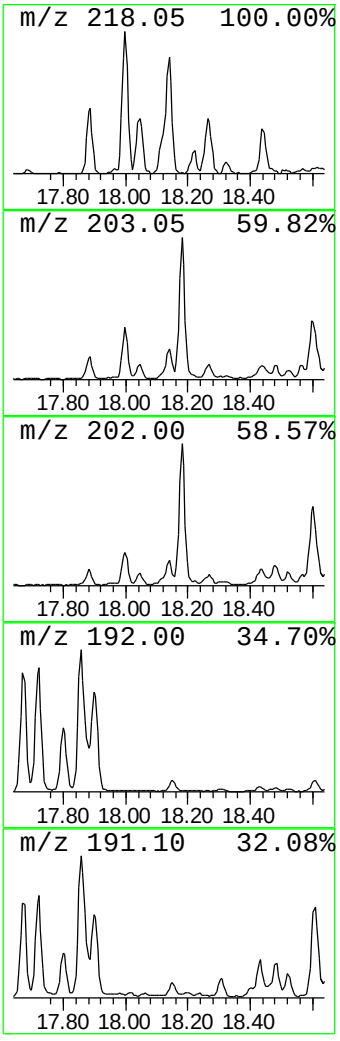
Peak Number 10 Anthracene, 9-(2-propenyl)- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.08 ng/ul	318303	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	50
2	5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	41
3	9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	41
4	Naphthalene, 1-(phenylmethyl)-	218	C17H14	000611-45-0	38
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	35





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Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

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Quant Title : SVOA CALIBRATION

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

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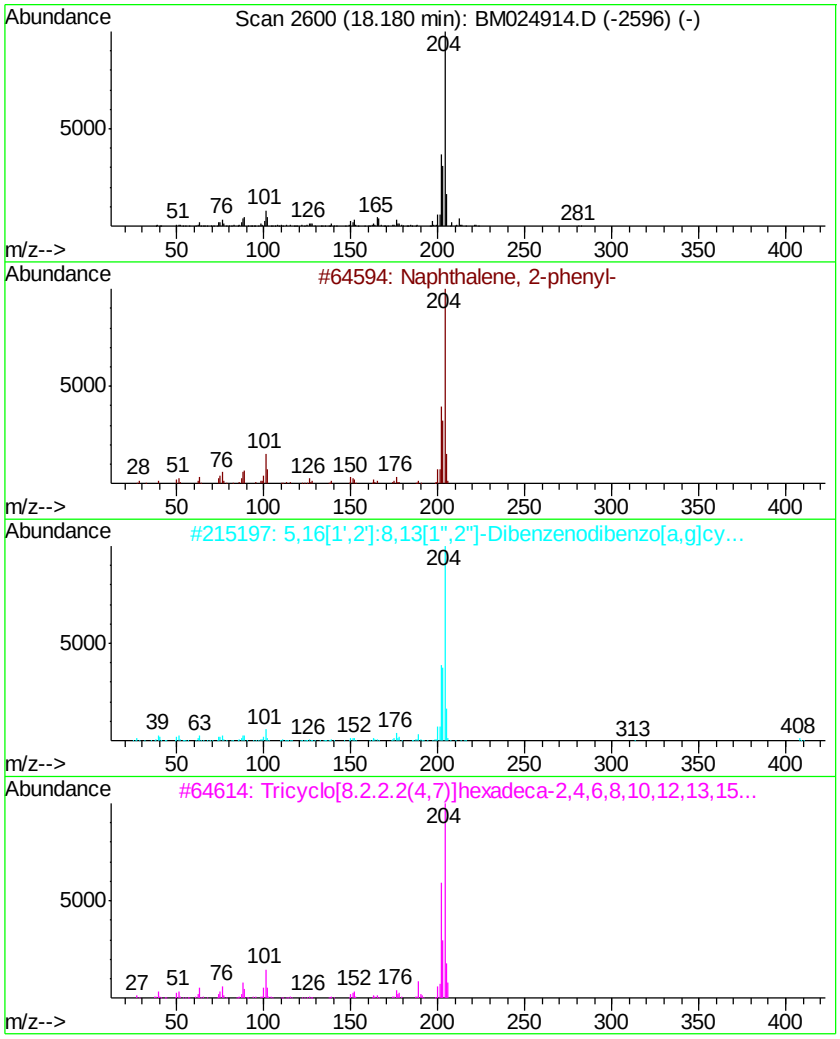
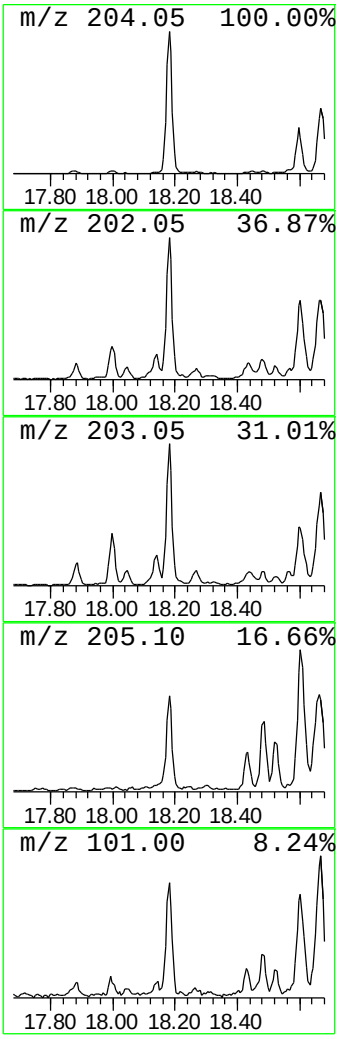
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	5.87 ng/ul	897589	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

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Quant Title : SVOA CALIBRATION

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

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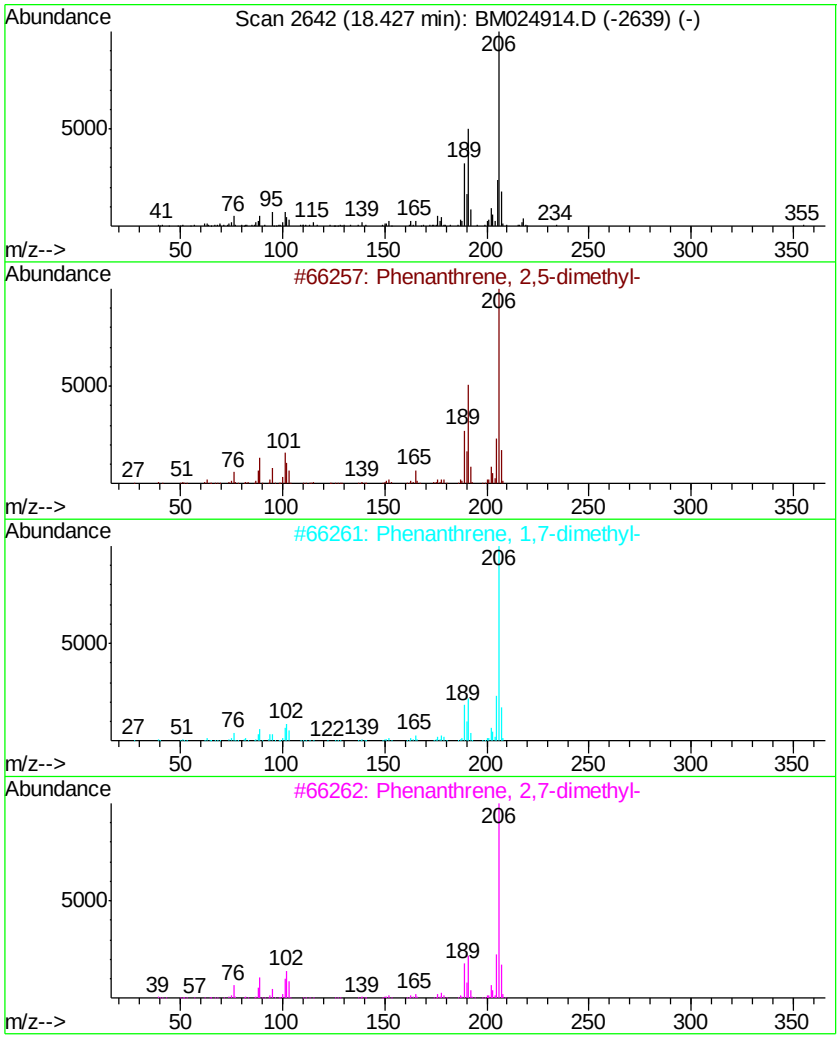
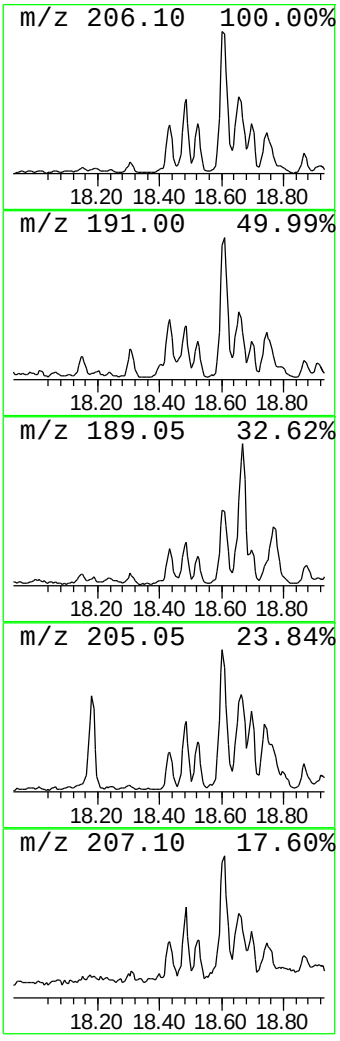
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	2.20 ng/ul	336674	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

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Quant Title : SVOA CALIBRATION

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

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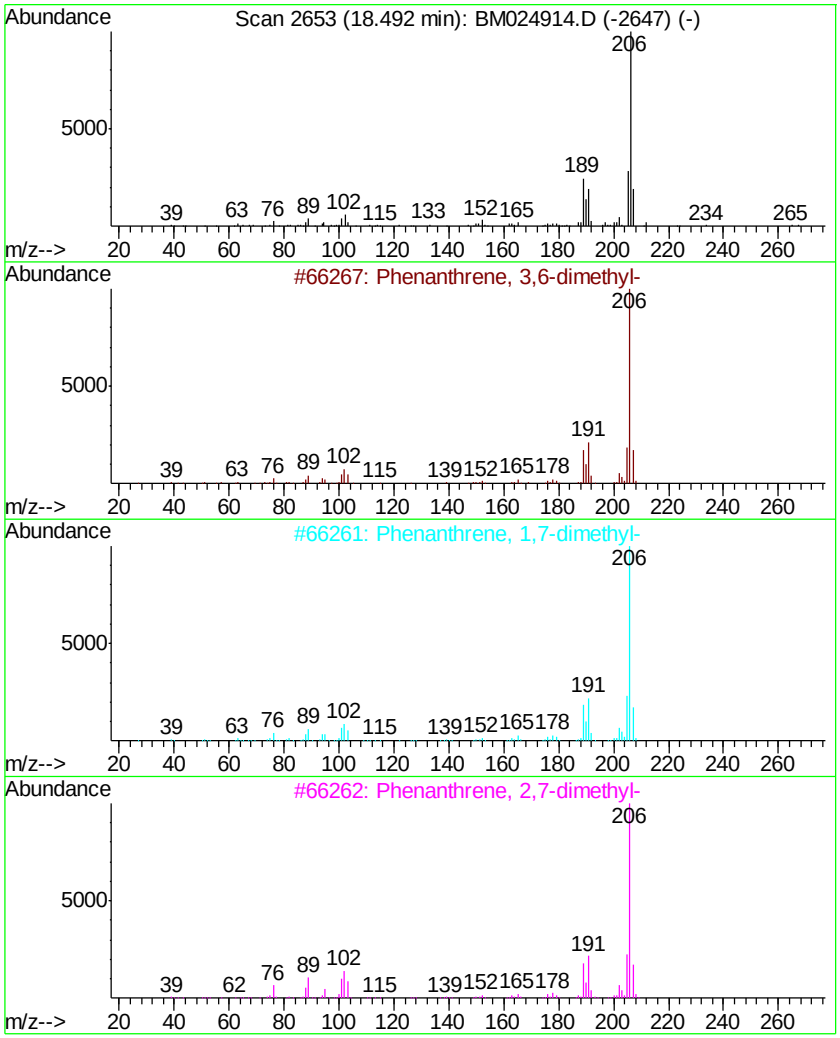
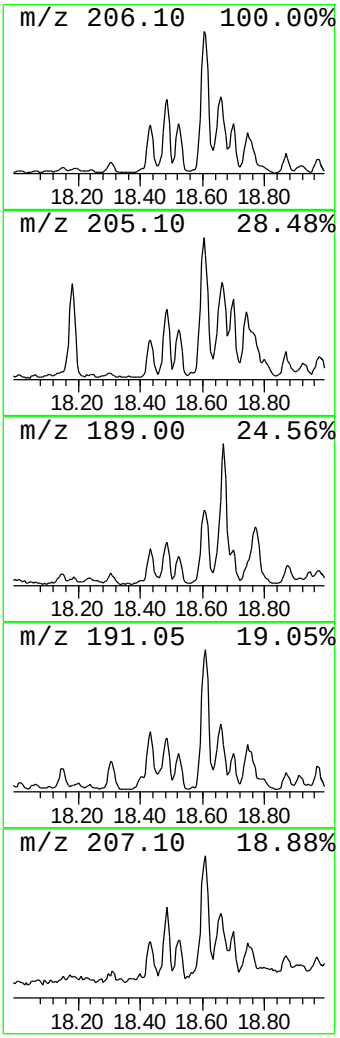
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.72 ng/ul	415209	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	81





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Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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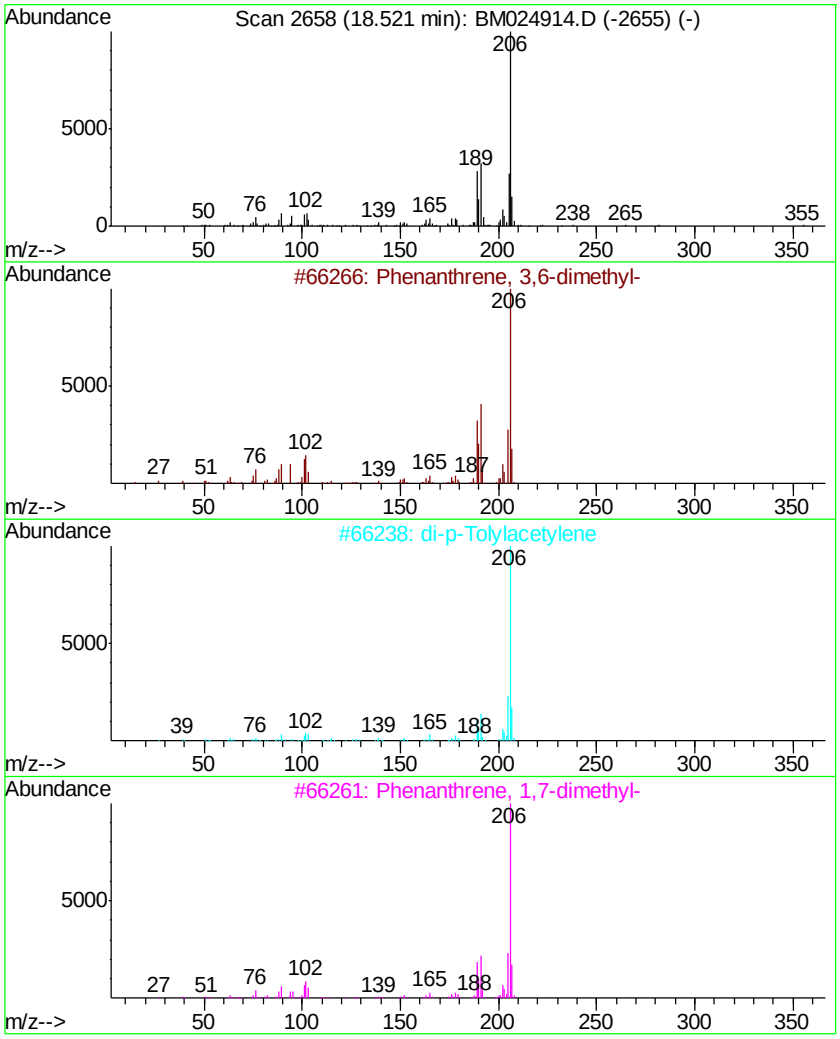
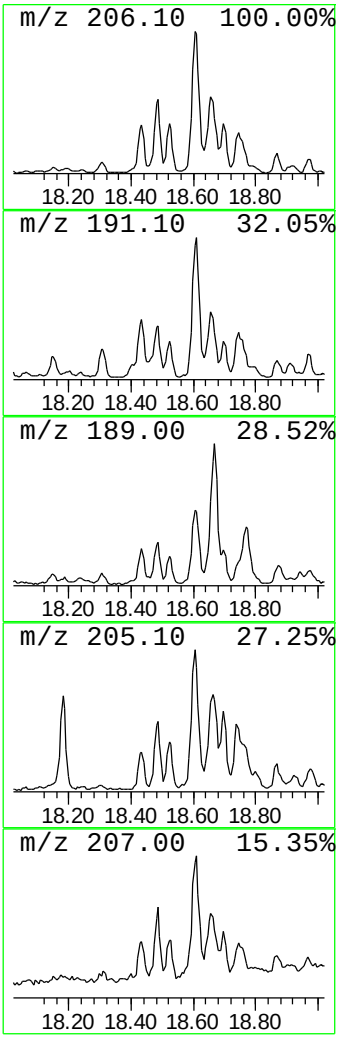
Peak Number 14 di-p-Tolylacetylene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	2.23 ng/ul	340842	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

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Quant Title : SVOA CALIBRATION

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

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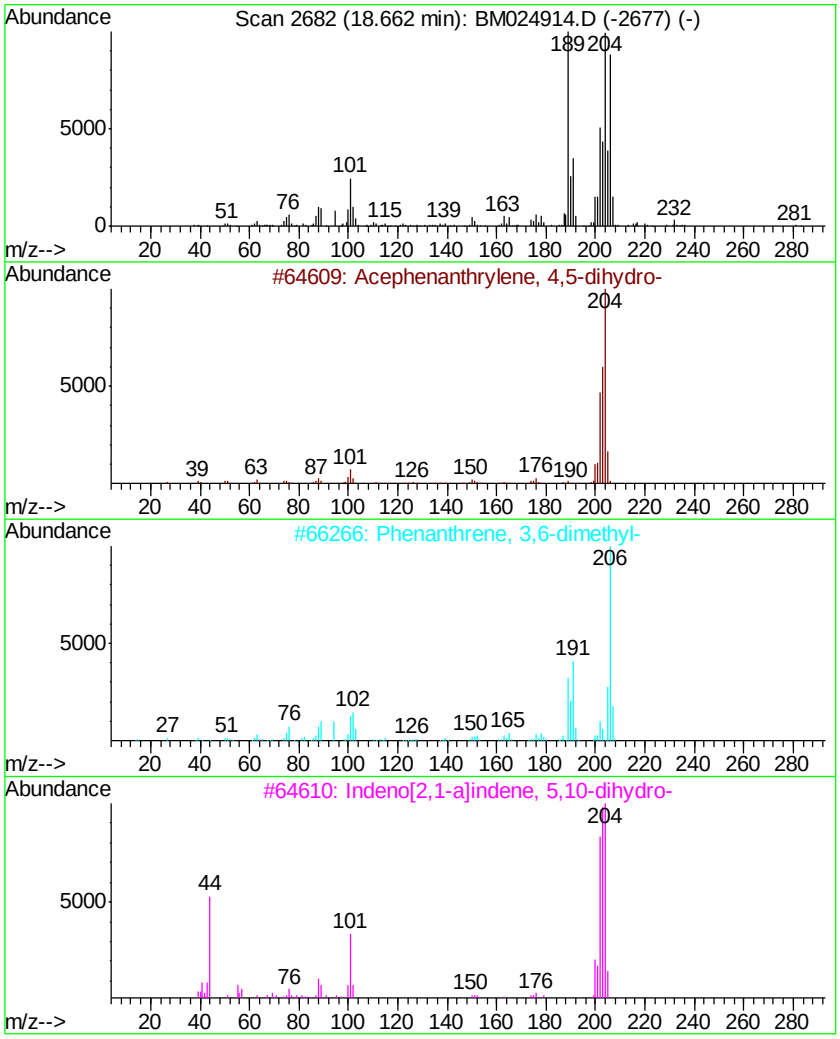
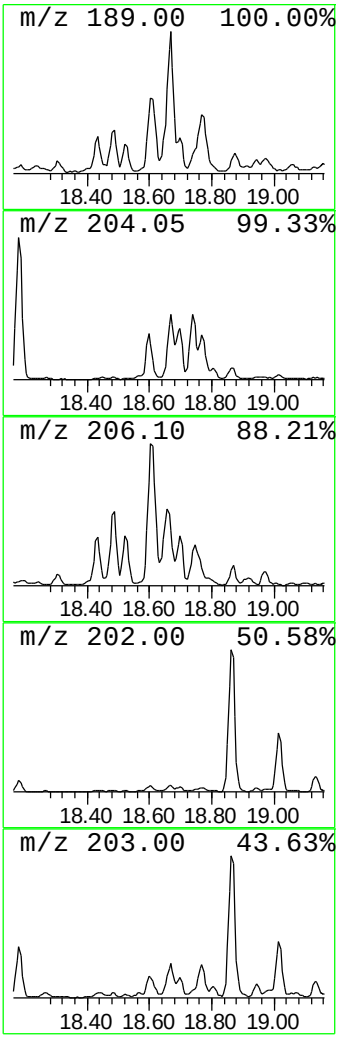
Peak Number 16 Acephenanthrylene, 4,5-dihy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	6.84 ng/ul	1045450	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	74
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38





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Instrument : BNA_M
ClientSampleId : GAT42DL

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Quant Title : SVOA CALIBRATION

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

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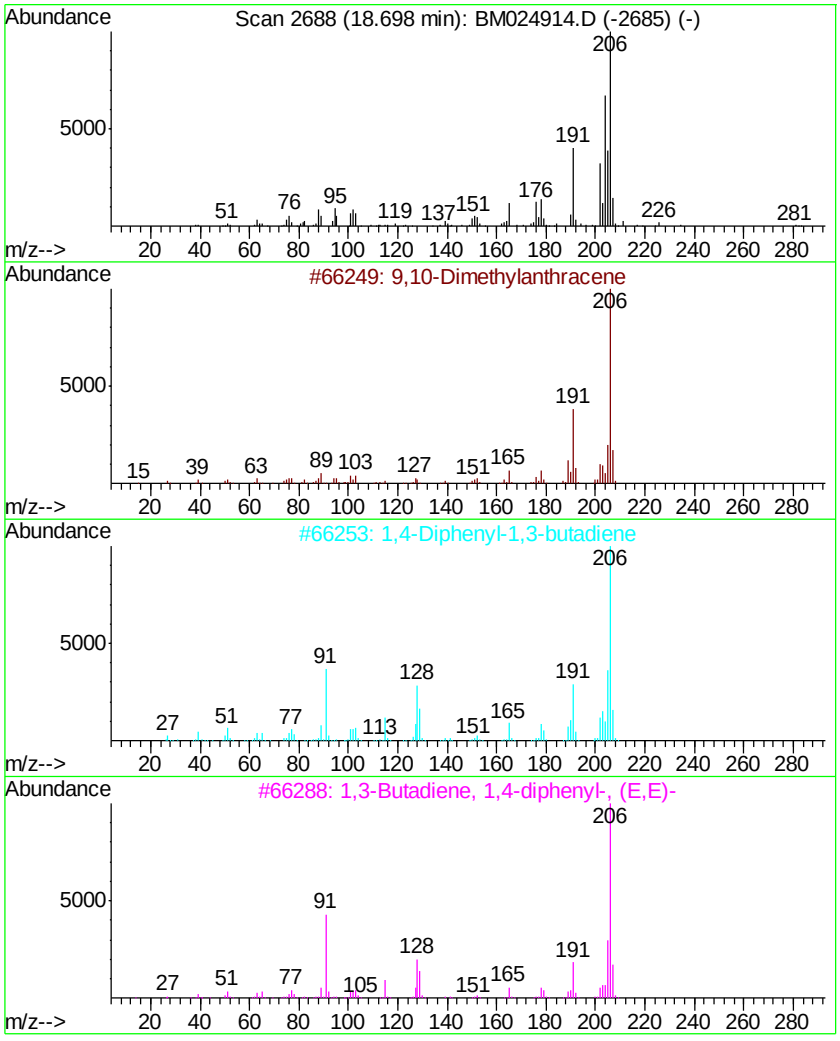
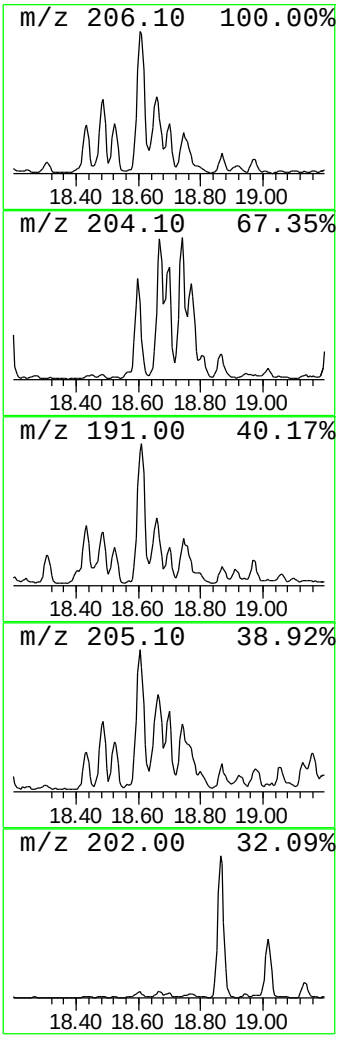
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	3.25 ng/ul	497136	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
2	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	58
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	53
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	52
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	50





Library Search Compound Report

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Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

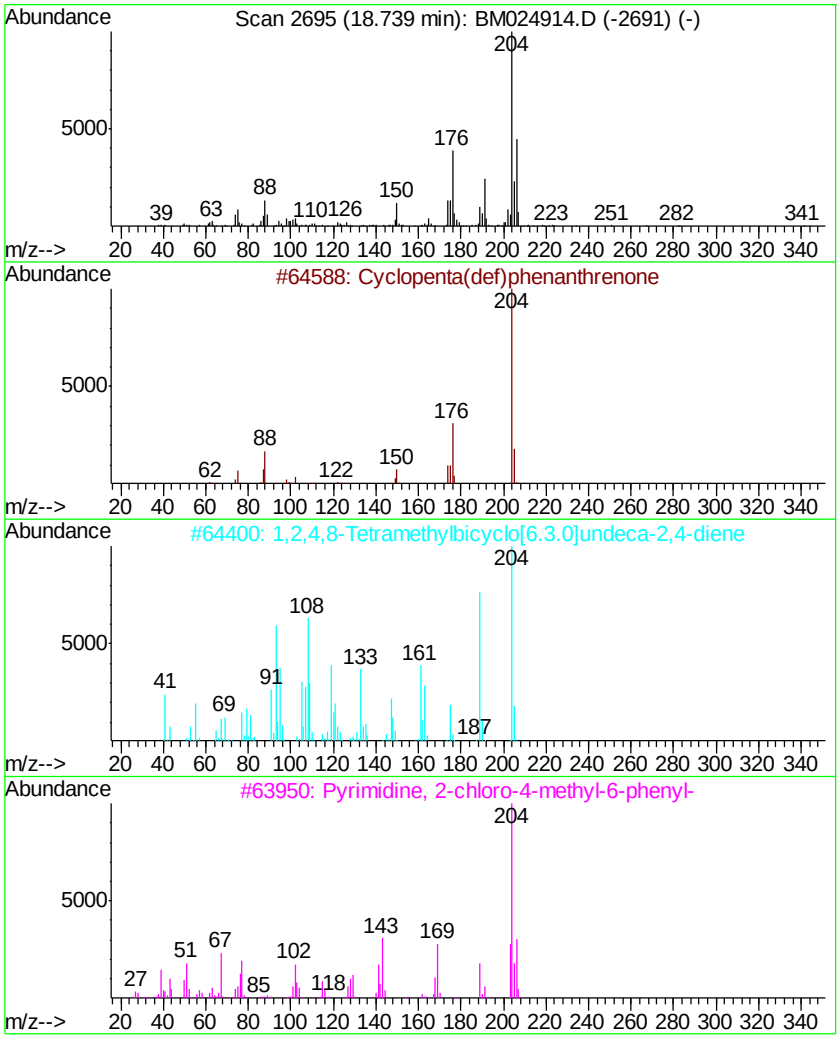
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

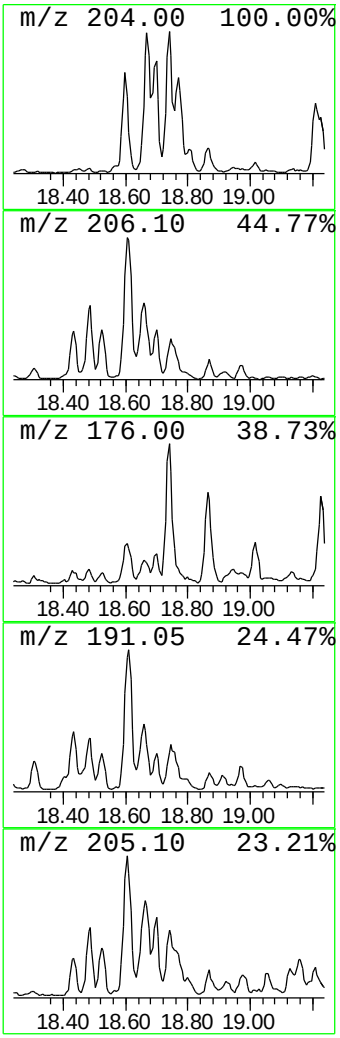
****

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	3.66 ng/ul	559530	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
3	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
5	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

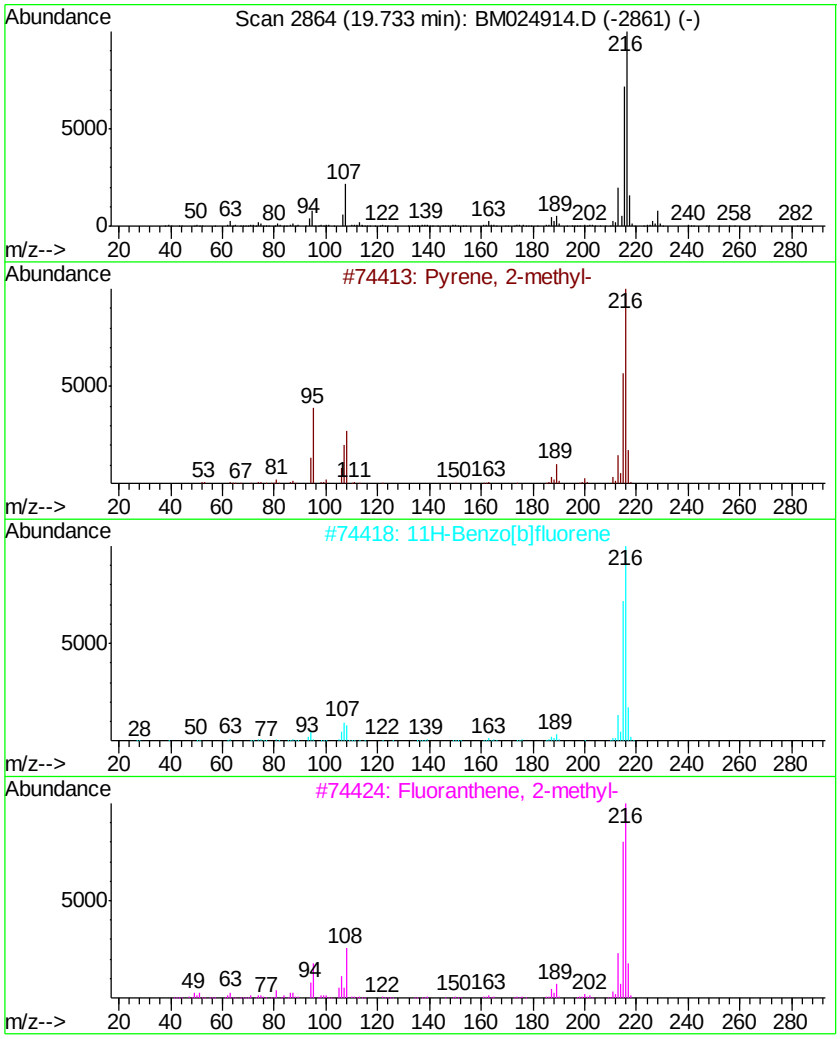
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

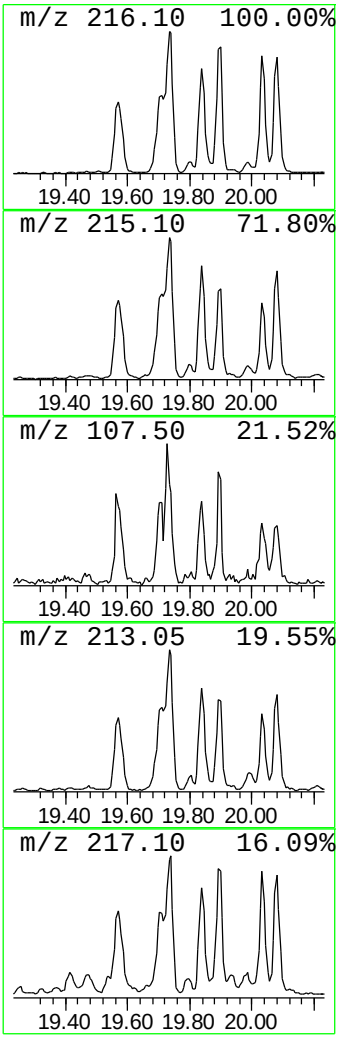
****

Peak Number 22 Pyrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	4.65 ng/ul	1973640	Chrysene-d12	21.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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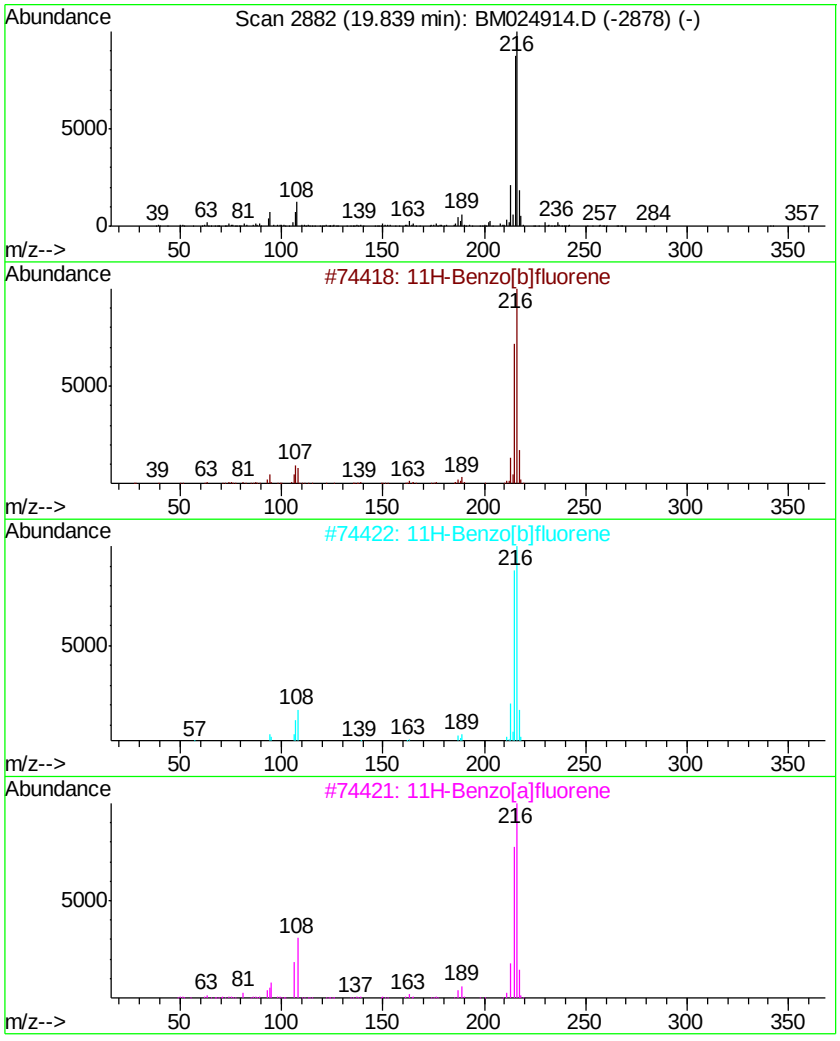
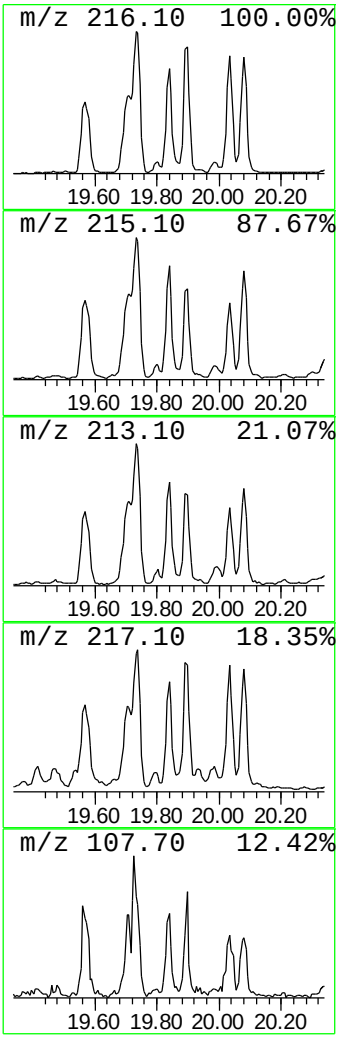
Peak Number 23 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	3.27 ng/ul	1386750	Chrysene-d12	21.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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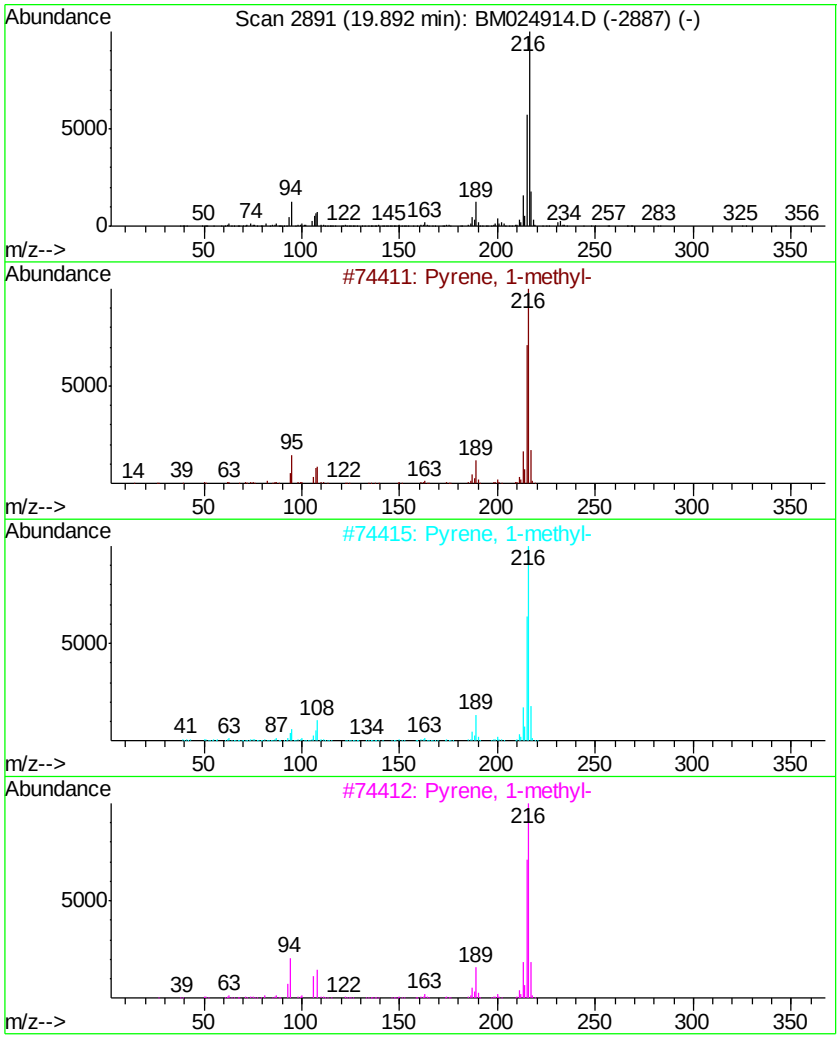
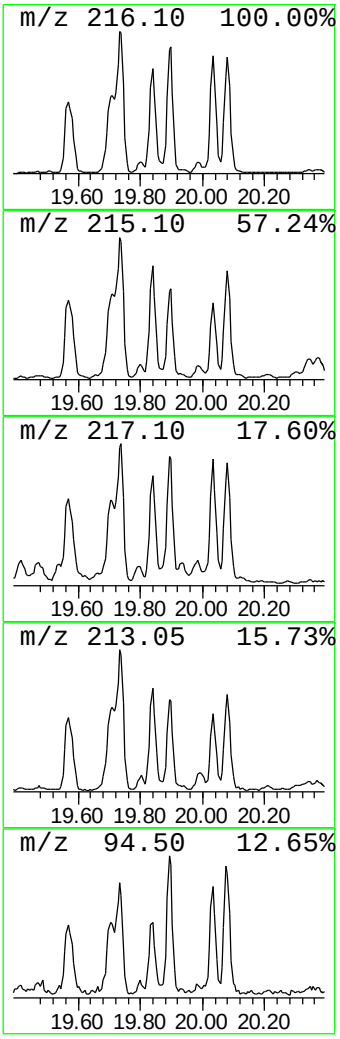
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	3.58 ng/ul	1520410	Chrysene-d12	21.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





Library Search Compound Report

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Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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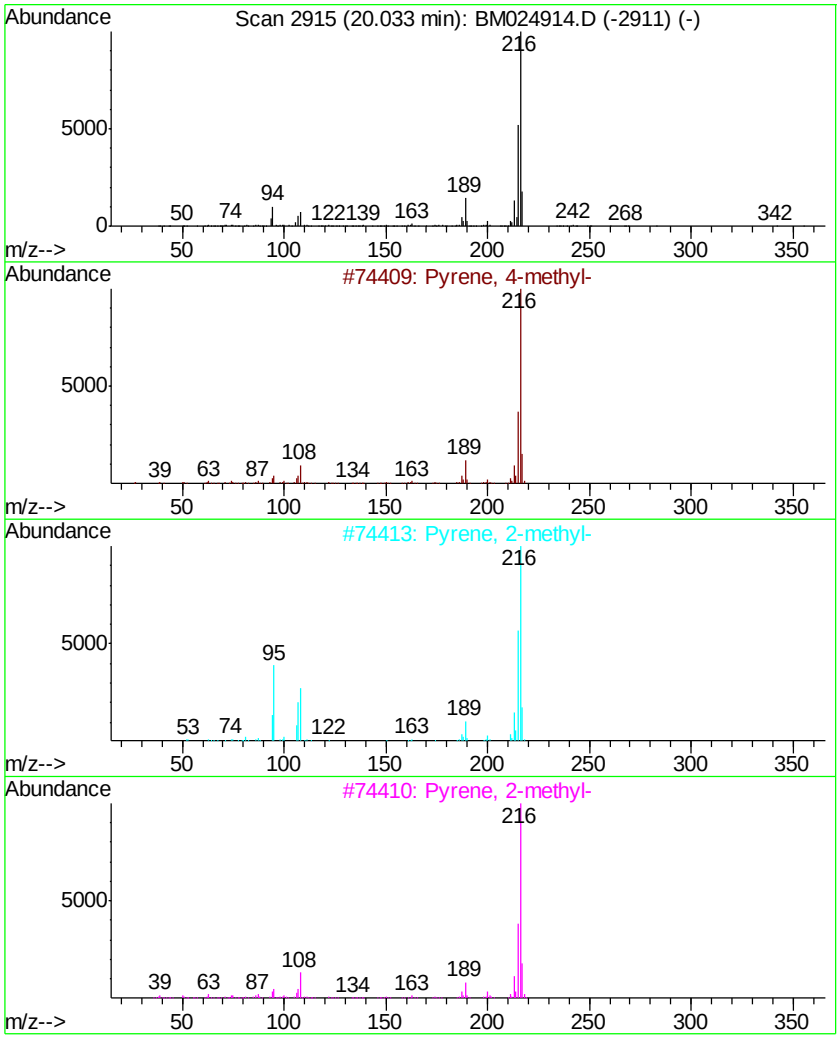
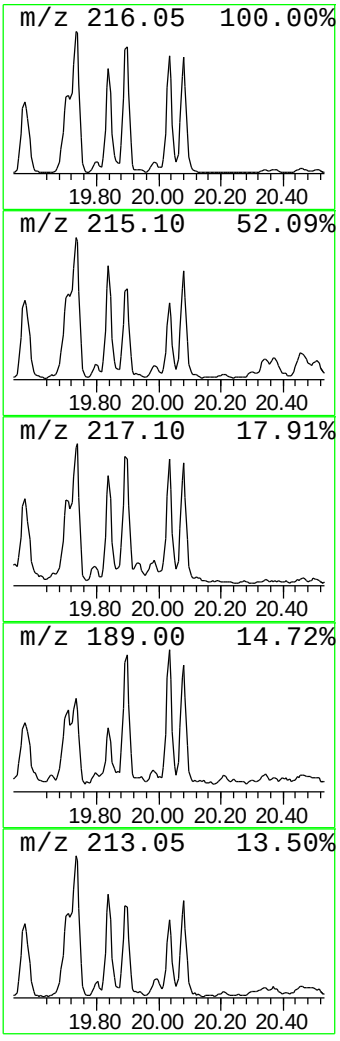
Peak Number 25 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	2.89 ng/ul	1227180	Chrysene-d12	21.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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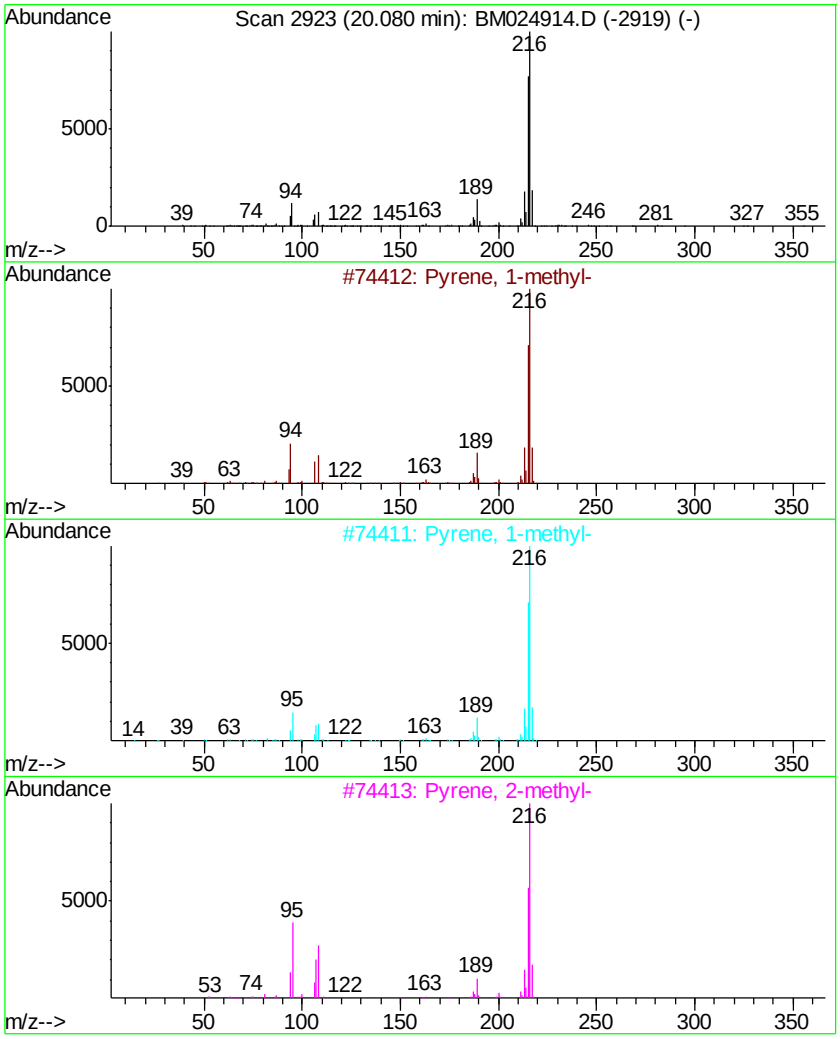
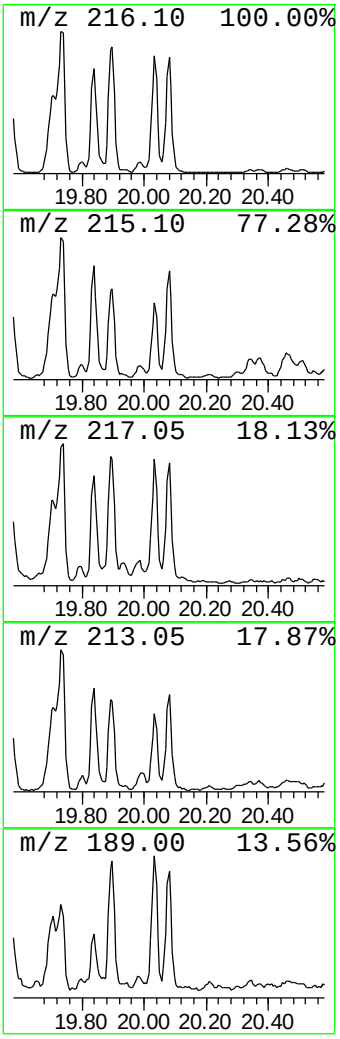
Peak Number 26 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	3.41 ng/ul	1448150	Chrysene-d12	21.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





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Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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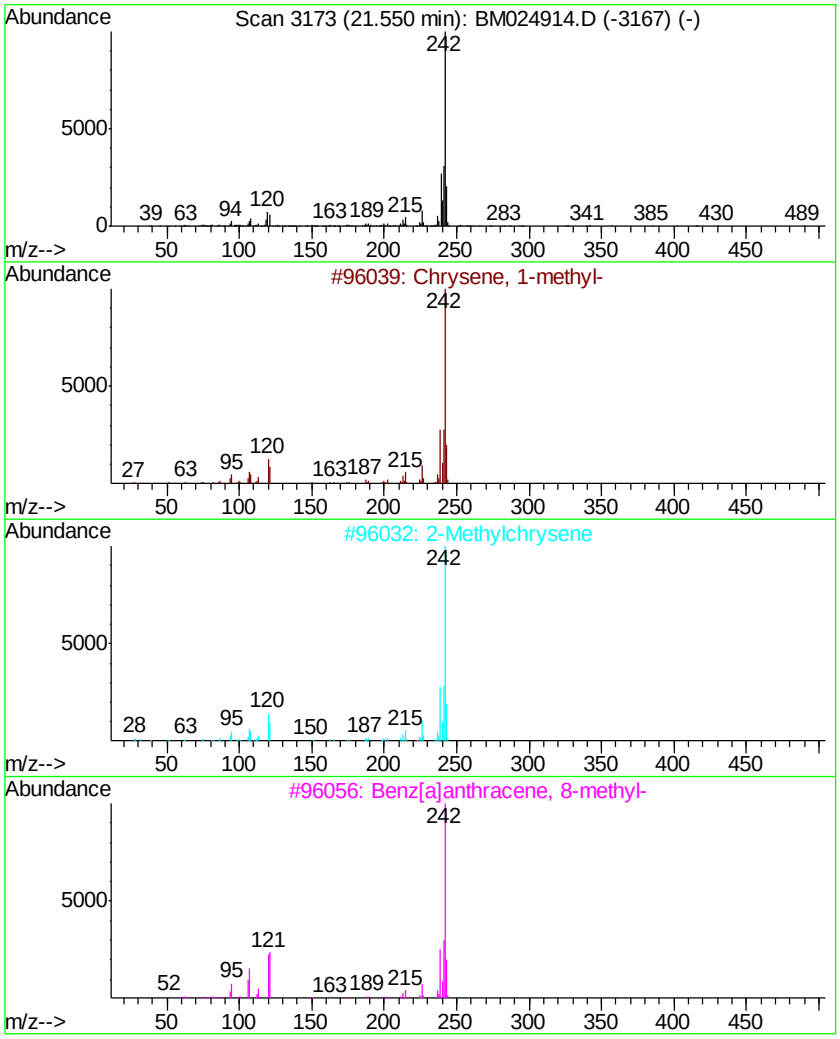
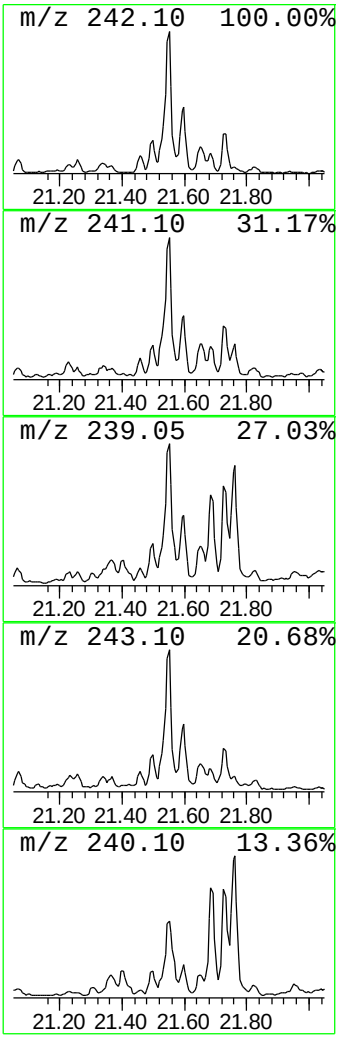
Peak Number 27 Chrysene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.55	4.12 ng/ul	1747400	Chrysene-d12	21.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
2	2-Methylchrysene	242	C19H14	003351-32-4	95
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	94
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93





Library Search Compound Report

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Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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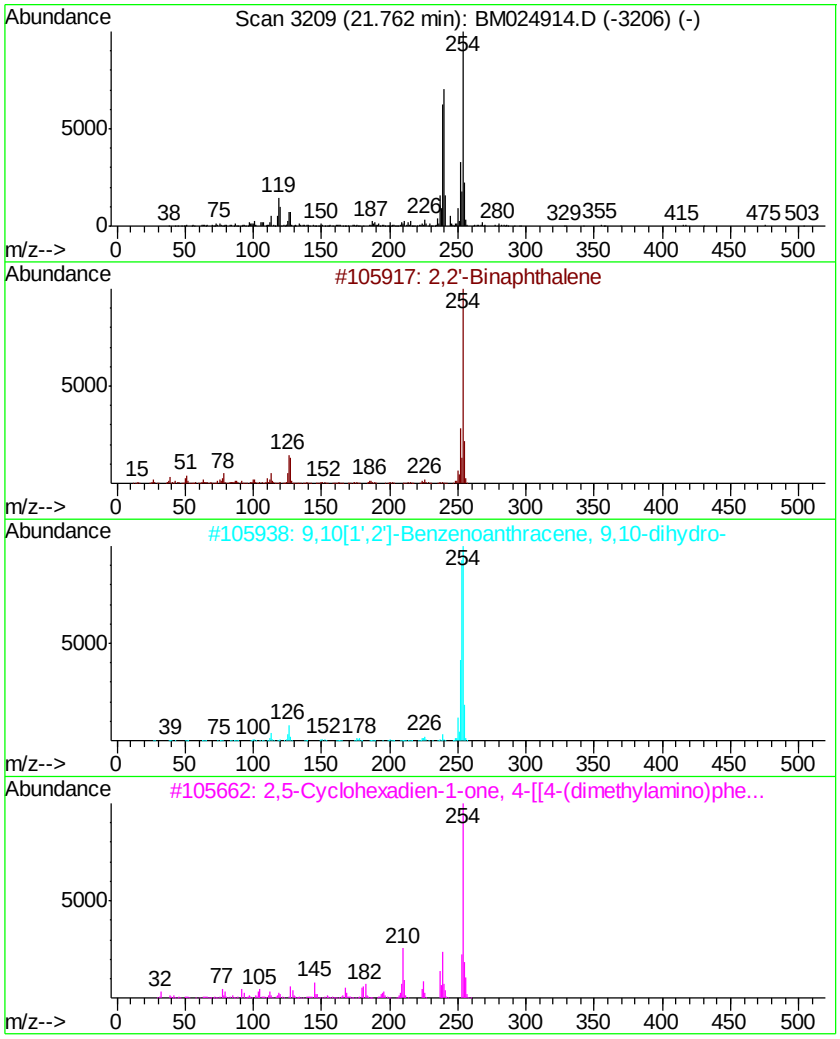
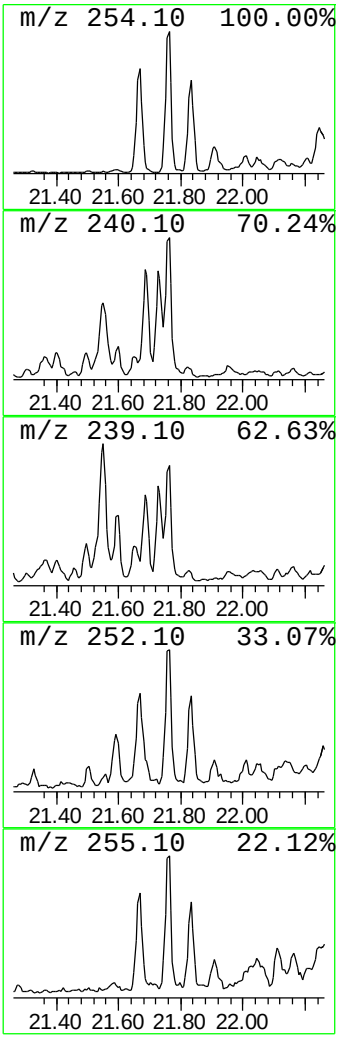
Peak Number 28 unknown-02 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	2.03 ng/ul	860771	Chrysene-d12	21.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Binaphthalene	254	C20H14	000612-78-2	42
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	38
3	2,5-Cyclohexadien-1-one, 4-[[4-(...	254	C16H18N2O	1000319-40-8	38
4	Cyclopropa[3,4]cyclohepta[1,2-a]...	254	C18H22O	057983-83-2	38
5	N'-(3-Benzyl-5-cyano-3H-[1,2,3]t...	254	C13H14N6	1000301-19-6	30





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Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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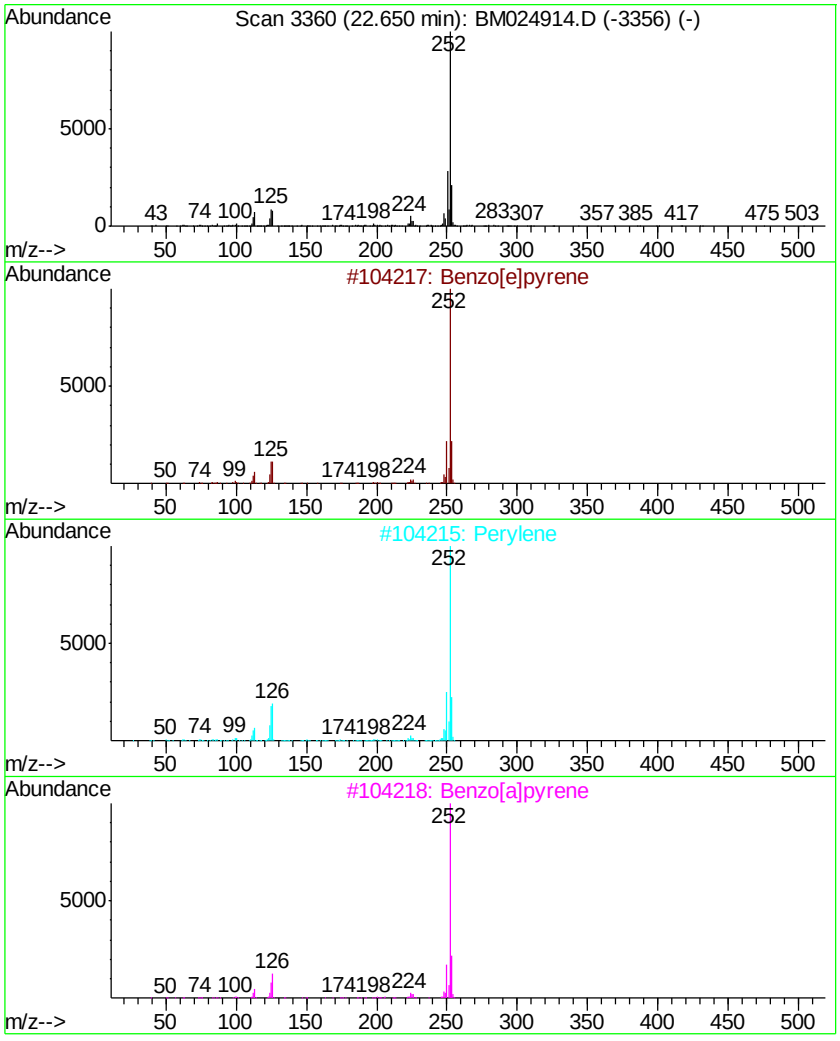
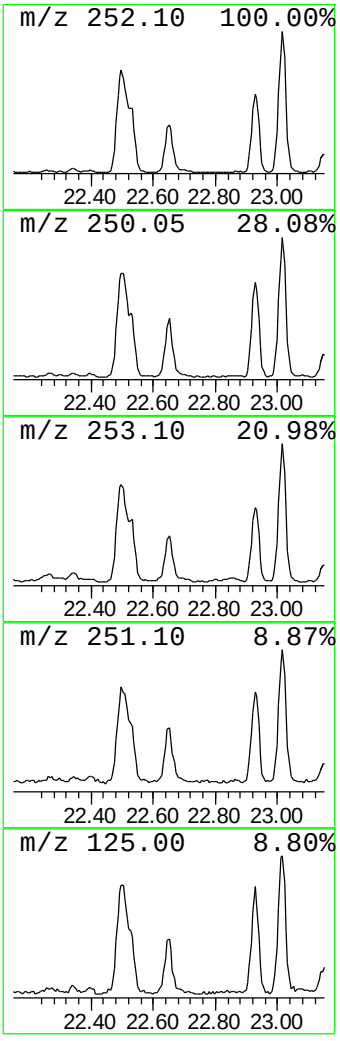
Peak Number 29 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.65	4.52 ng/ul	780543	Perylene-d12	23.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81





Tentatively Identified Compound (LSC) summary

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Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAT42DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.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
unknown-01	14.66	2.5	ng/ul	320674	3	14.04	2608400	20.0
(3H)Benzo[c]pyrro...	16.11	2.3	ng/ul	344536	4	16.79	3057420	20.0
9H-Fluorene, 2,3-...	17.00	2.4	ng/ul	371615	4	16.79	3057420	20.0
Naphthalene, 1-ph...	17.32	2.7	ng/ul	409290	4	16.79	3057420	20.0
Phenanthrene, 2-m...	17.67	5.8	ng/ul	885965	4	16.79	3057420	20.0
Phenanthrene, 1-m...	17.72	6.0	ng/ul	923627	4	16.79	3057420	20.0
Anthracene, 9-met...	17.80	3.1	ng/ul	468436	4	16.79	3057420	20.0
4H-Cyclopenta[def...	17.86	15.7	ng/ul	2393820	4	16.79	3057420	20.0
1H-Indene, 1-phenyl-	17.90	4.2	ng/ul	642792	4	16.79	3057420	20.0
Anthracene, 9-(2-...	18.14	2.1	ng/ul	318303	4	16.79	3057420	20.0
Naphthalene, 2-ph...	18.18	5.9	ng/ul	897589	4	16.79	3057420	20.0
Phenanthrene, 2,5...	18.43	2.2	ng/ul	336674	4	16.79	3057420	20.0
Phenanthrene, 3,6...	18.49	2.7	ng/ul	415209	4	16.79	3057420	20.0
di-p-Tolylacetylene	18.52	2.2	ng/ul	340842	4	16.79	3057420	20.0
Acephenanthrylene...	18.66	6.8	ng/ul	1045450	4	16.79	3057420	20.0
9,10-Dimethylanth...	18.70	3.3	ng/ul	497136	4	16.79	3057420	20.0
Cyclopenta(def)ph...	18.74	3.7	ng/ul	559530	4	16.79	3057420	20.0
Pyrene, 2-methyl-	19.73	4.7	ng/ul	1973640	5	21.01	8492250	20.0
11H-Benzo[b]fluorene	19.84	3.3	ng/ul	1386750	5	21.01	8492250	20.0
Pyrene, 1-methyl-	19.89	3.6	ng/ul	1520410	5	21.01	8492250	20.0
Pyrene, 4-methyl-	20.03	2.9	ng/ul	1227180	5	21.01	8492250	20.0
Fluoranthene, 2-m...	20.08	3.4	ng/ul	1448150	5	21.01	8492250	20.0
Chrysene, 1-methyl-	21.55	4.1	ng/ul	1747400	5	21.01	8492250	20.0
unknown-02	21.76	2.0	ng/ul	860771	5	21.01	8492250	20.0
Benzo[e]pyrene	22.65	4.5	ng/ul	780543	6	23.10	3456180	20.0