LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.428	121	126	134	rBV	200584	261855	2.38%	0.280%
2	6.654	669	675	685	rVB2	137099	216499	1.97%	0.231%
3	6.783	690	697	704	rBV	97303	147445	1.34%	0.158%
4	6.983	723	731	737	rBV	148255	231530	2.10%	0.247%
5	7.441	802	809	817	rBV	213546	327134	2.97%	0.350%
6	8.181	929	935	943	rBV	88552	142936	1.30%	0.153%
7	8.598	999	1006	1012	rVV	138511	226977	2.06%	0.243%
8	9.315	1121	1128	1135	rBV	139603	232645	2.12%	0.249%
9	9.873	1215	1223	1230	rBV	195800	326479	2.97%	0.349%
10	10.226	1276	1283	1288	rBV	286437	491145	4.47%	0.525%
11	10.273	1288	1291	1298	rVB	92757	144110	1.31%	0.154%
12	13.440	1824	1830	1835	rBV	104941	187079	1.70%	0.200%
13	13.493	1835	1839	1843	rVV	72786	104700	0.95%	0.112%
14	13.540	1843	1847	1851	rVV	330092	456693	4.15%	0.488%
15	13.587	1851	1855	1864	rVV	146072	200372	1.82%	0.214%
16	13.681	1864	1871	1874	rVV2	62143	104457	0.95%	0.112%
17	13.816	1887	1894	1897	rBV	343977	538938	4.90%	0.576%
18	13.845	1897	1899	1909	rVB	155817	266705	2.42%	0.285%
19	14.127	1936	1947	1952	rBV3	400934	670269	6.09%	0.716%
20	14.192	1952	1958	1966	rVB	318922	492656	4.48%	0.526%
21	14.397	1988	1993	1997	rVV2	96287	157549	1.43%	0.168%
22	14.527	2009	2015	2025	rVV	455560	716765	6.52%	0.766%
23	14.609	2025	2029	2034	rVB	83137	107154	0.97%	0.115%
24	14.750	2046	2053	2059	rBV2	68663	124010	1.13%	0.133%
25	14.926	2075	2083	2086	rBV4	55800	115864	1.05%	0.124%
26	15.126	2111	2117	2122	rVV	391277	572462	5.20%	0.612%
27	15.185	2122	2127	2132	rVV	776850	1014842	9.23%	1.084%
28	15.308	2139	2148	2151	rBV4	73133	189670	1.72%	0.203%
29	15.343	2151	2154	2158	rVV3	71964	107283	0.98%	0.115%
30	15.479	2172	2177	2185	rVB	265793	394073	3.58%	0.421%
31	15.625	2196	2202	2210	rVB	257389	530297	4.82%	0.567%
32	15.719	2211	2218	2226	rVB2	64511	120673	1.10%	0.129%
33	15.866	2238	2243	2250	rVB3	92376	154228	1.40%	0.165%
34	16.195	2287	2299	2303	rBV3	173955	388747	3.53%	0.415%

LSC Area Percent Report

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Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Title : SVOA CALIBRATION

35	16.242	2303	2307	2313	rVV2	85687	142806	1.30%	0.153%
36	16.342	2321	2324	2328	rVV3	69479	101936	0.93%	0.109%
37	16.424	2334	2338	2342	rVV2	142519	226164	2.06%	0.242%
38	16.466	2342	2345	2348	rVV2	132021	182460	1.66%	0.195%
39	16.548	2354	2359	2367	rVB	287031	427388	3.89%	0.457%
40	16.624	2367	2372	2381	rBV3	148586	360942	3.28%	0.386%
41	16.706	2381	2386	2395	rVB	431445	639131	5.81%	0.683%
42	16.894	2412	2418	2420	rBV2	267334	457982	4.16%	0.489%
43	16.953	2420	2428	2432	rVV	6242385	9927617	90.26%	10.609%
44	16.994	2432	2435	2437	rVV	411951	515244	4.68%	0.551%
45	17.030	2437	2441	2445	rVV	1204334	1540286	14.00%	1.646%
46	17.083	2445	2450	2455	rVV4	99916	162646	1.48%	0.174%
47	17.306	2483	2488	2491	rBV	315586	407437	3.70%	0.435%
48	17.406	2501	2505	2512	rBV2	112925	150265	1.37%	0.161%
49	17.470	2512	2516	2525	rVB5	151095	282541	2.57%	0.302%
50	17.611	2536	2540	2545	rVB	83862	142979	1.30%	0.153%
51	17.770	2561	2567	2571	rVV	621427	908016	8.26%	0.970%
52	17.817	2571	2575	2580	rVB	1118005	1488669	13.53%	1.591%
53	17.899	2584	2589	2594	rVB	230296	327605	2.98%	0.350%
54	17.964	2594	2600	2604	rBV2	893573	1526507	13.88%	1.631%
55	17.999	2604	2606	2612	rVB	419854	491569	4.47%	0.525%
56	18.169	2632	2635	2640	rVB4	77491	101886	0.93%	0.109%
57	18.275	2648	2653	2657	rBV	447532	572125	5.20%	0.611%
58	18.328	2657	2662	2666	rVV	398737	536364	4.88%	0.573%
59	18.522	2691	2695	2701	rVB3	164166	240809	2.19%	0.257%
60	18.575	2701	2704	2708	rBV	117304	135445	1.23%	0.145%
61	18.616	2708	2711	2716	rVB2	104134	134545	1.22%	0.144%
62	18.704	2720	2726	2730	rBV	254951	437509	3.98%	0.468%
63	18.745	2730	2733	2734	rBV3	94414	98781	0.90%	0.106%
64	18.798	2739	2742	2745	rVV	90245	120687	1.10%	0.129%
65	18.857	2746	2752	2758	rVB3	304192	552741	5.03%	0.591%
66	18.992	2765	2775	2779	rBV	6325942	10999503	100.00%	11.754%
67	19.033	2779	2782	2786	rVV3	137495	245408	2.23%	0.262%
68	19.074	2786	2789	2793	rVV	132507	186287	1.69%	0.199%
69	19.121	2794	2797	2801	rVB	135504	167599	1.52%	0.179%
70	19.209	2806	2812	2817	rVB2	201541	398679	3.62%	0.426%
71	19.356	2825	2837	2841	rBV2	5126365	9673789	87.95%	10.338%

LSC Area Percent Report

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Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Title : SVOA CALIBRATION

72	19.409	2842	2846	2852	rVB2	254862	372709	3.39%	0.398%
73	19.521	2859	2865	2869	rBV	286454	426698	3.88%	0.456%
74	19.580	2870	2875	2881	rVB	231707	372574	3.39%	0.398%
75	19.662	2883	2889	2891	rBV2	270534	524296	4.77%	0.560%
76	19.721	2896	2899	2902	rVV	84453	108923	0.99%	0.116%
77	19.803	2908	2913	2915	rVV4	246364	423376	3.85%	0.452%
78	19.838	2915	2919	2923	rVB	540263	747126	6.79%	0.798%
79	19.938	2932	2936	2940	rBV	406331	448458	4.08%	0.479%
80	19.997	2940	2946	2950	rBV2	386073	676484	6.15%	0.723%
81	20.138	2967	2970	2973	rVV	180239	226844	2.06%	0.242%
82	20.179	2974	2977	2981	rVB2	226360	302438	2.75%	0.323%
83	20.590	3043	3047	3053	rVB	645960	802893	7.30%	0.858%
84	20.749	3070	3074	3078	rBV2	616437	833116	7.57%	0.890%
85	20.790	3078	3081	3084	rVV	448544	506385	4.60%	0.541%
86	20.831	3084	3088	3093	rVV2	464221	798002	7.25%	0.853%
87	20.896	3095	3099	3103	rVB	571766	745474	6.78%	0.797%
88	21.107	3127	3135	3139	rBV2	3885517	6535610	59.42%	6.984%
89	21.160	3139	3144	3148	rVB	3734692	4712579	42.84%	5.036%
90	21.266	3158	3162	3166	rBV	412464	468305	4.26%	0.500%
91	21.319	3168	3171	3173	rBV	199758	239667	2.18%	0.256%
92	21.424	3184	3189	3193	rBV3	379344	671860	6.11%	0.718%
93	21.648	3224	3227	3231	rVB	579964	684319	6.22%	0.731%
94	21.695	3233	3235	3241	rVB	278664	348014	3.16%	0.372%
95	21.836	3256	3259	3263	rBV2	271954	428230	3.89%	0.458%
96	22.664	3391	3400	3404	rBV	2751526	6728360	61.17%	7.190%
97	22.811	3421	3425	3431	rVB	451914	638034	5.80%	0.682%
98	23.122	3471	3478	3487	rBV	1206559	2784004	25.31%	2.975%
99	23.222	3488	3495	3502	rVB	2225528	4341461	39.47%	4.639%
100	23.352	3513	3517	3524	rVB2	683002	1205963	10.96%	1.289%

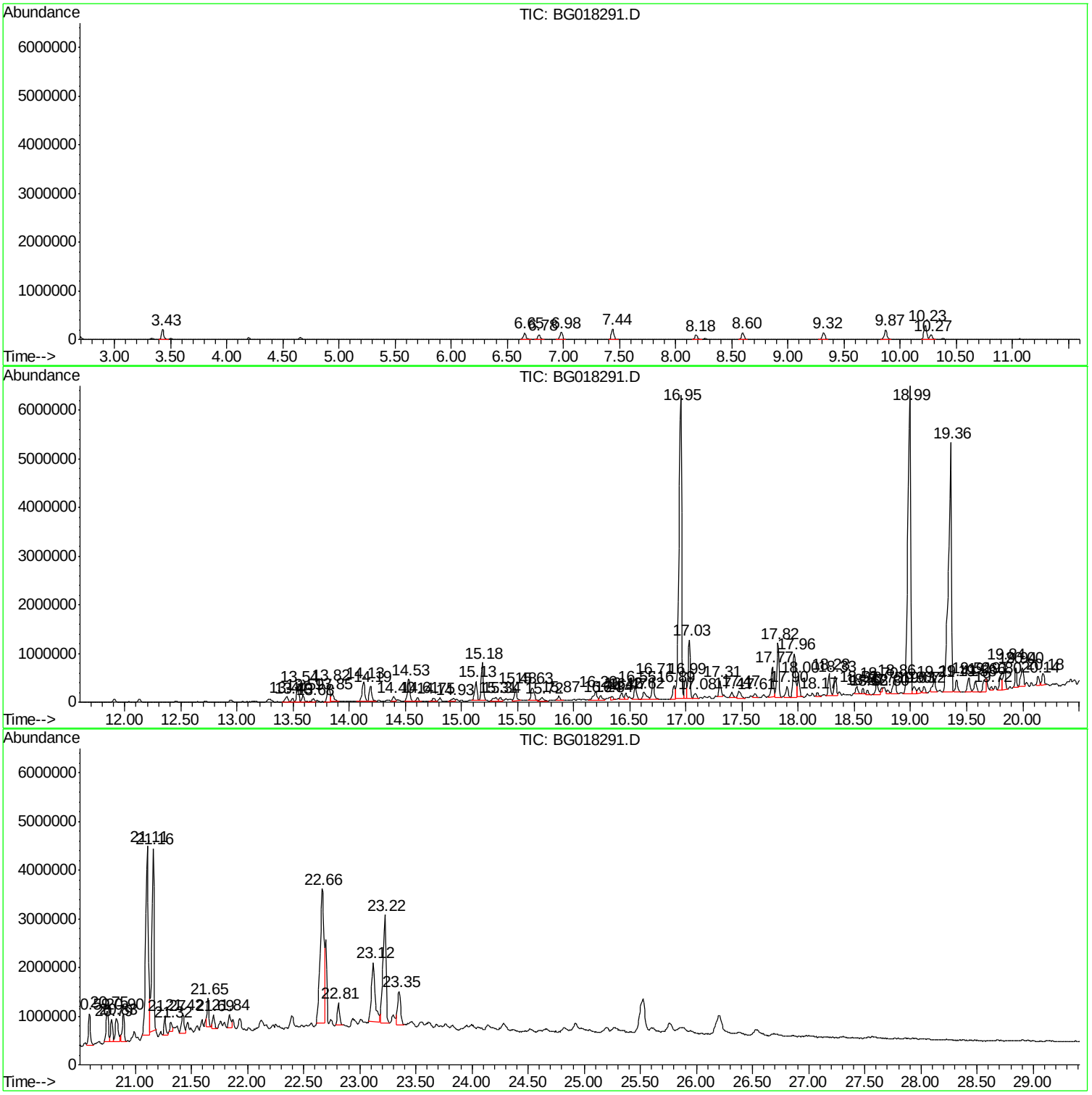
Sum of corrected areas: 93578790

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

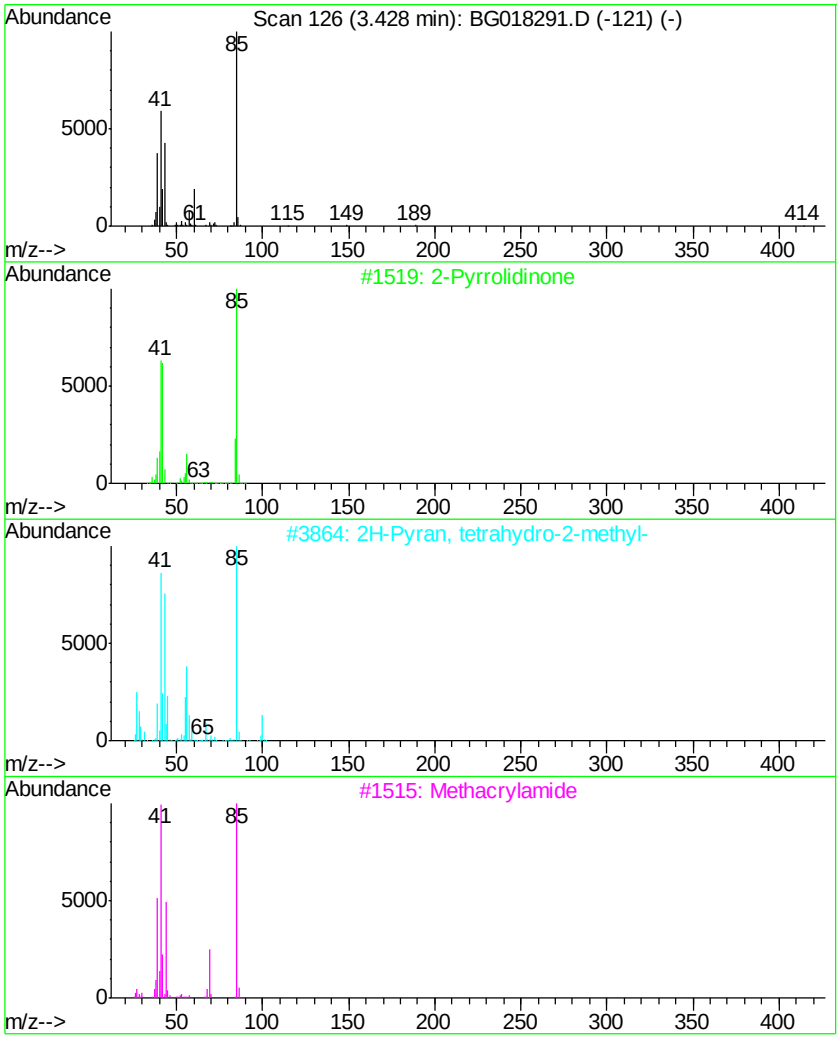
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

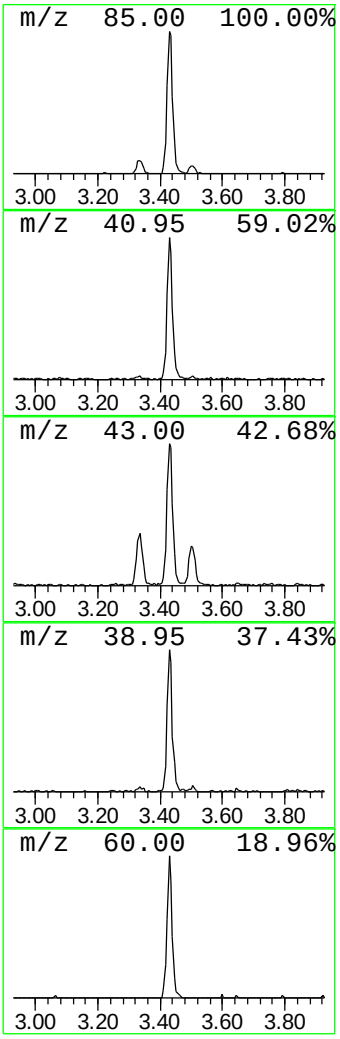
****

Peak Number 1 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.43	16.01 ng/ul	261855	1,4-Dichlorobenzene-d4	7.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	45
2	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	43
3	Methacrylamide	85	C4H7NO	000079-39-0	42
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	42
5	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

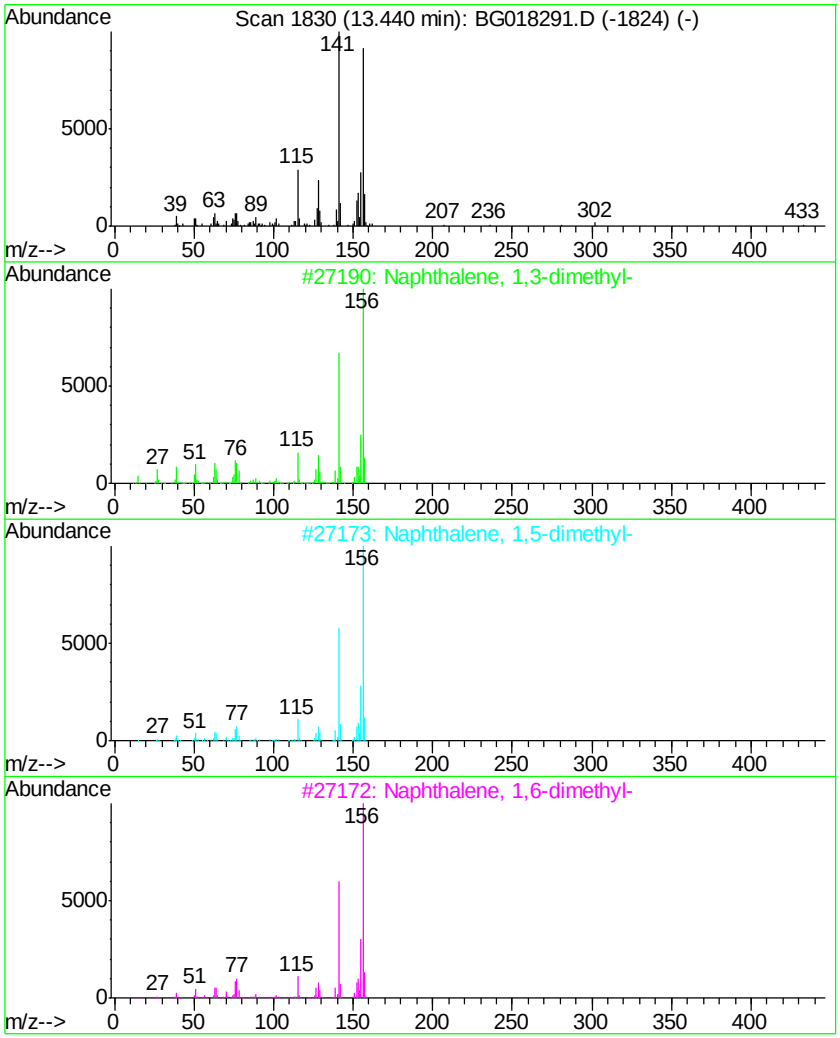
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

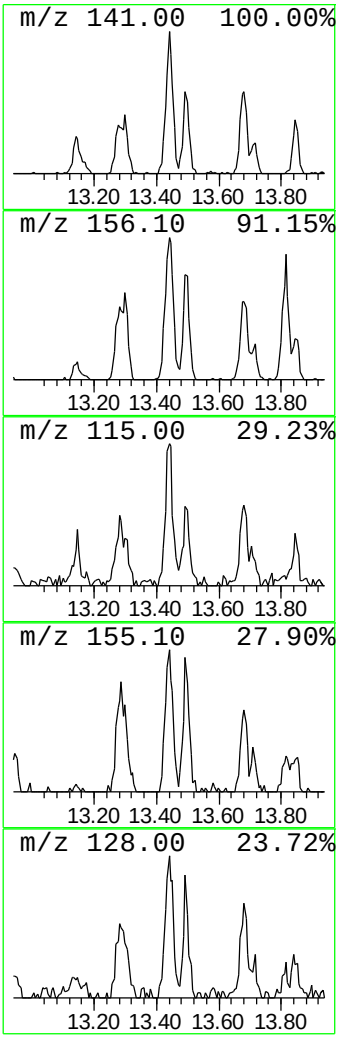
****

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	5.58 ng/ul	187079	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
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Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

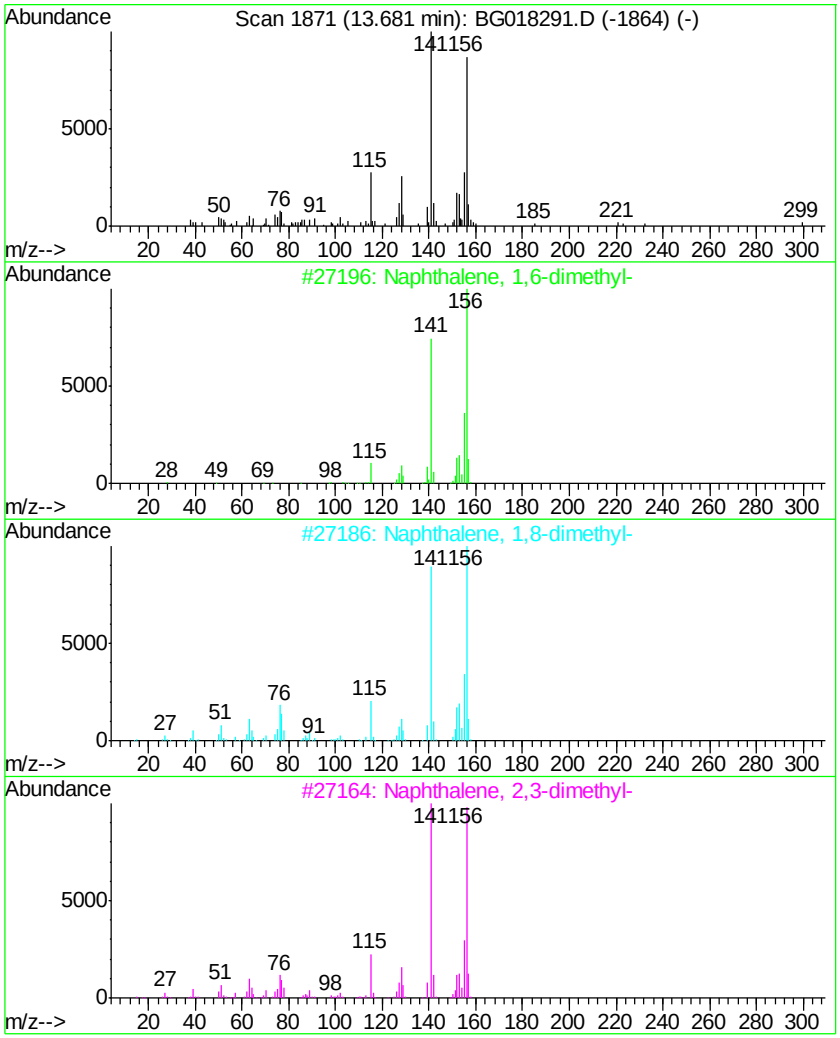
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

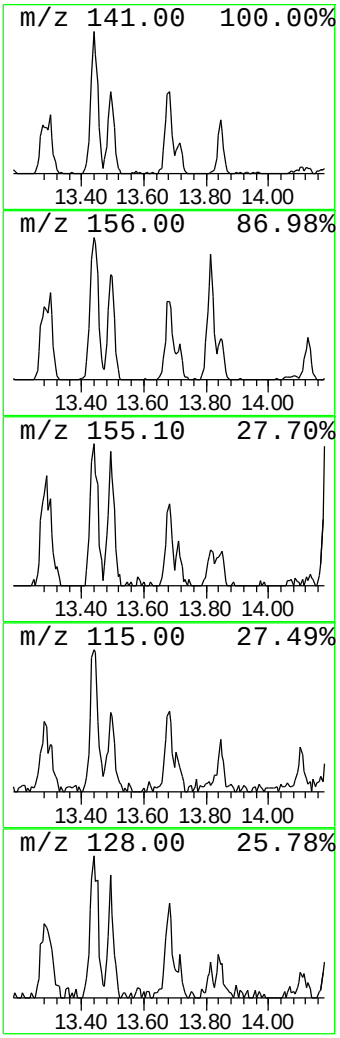
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	3.12 ng/ul	104457	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

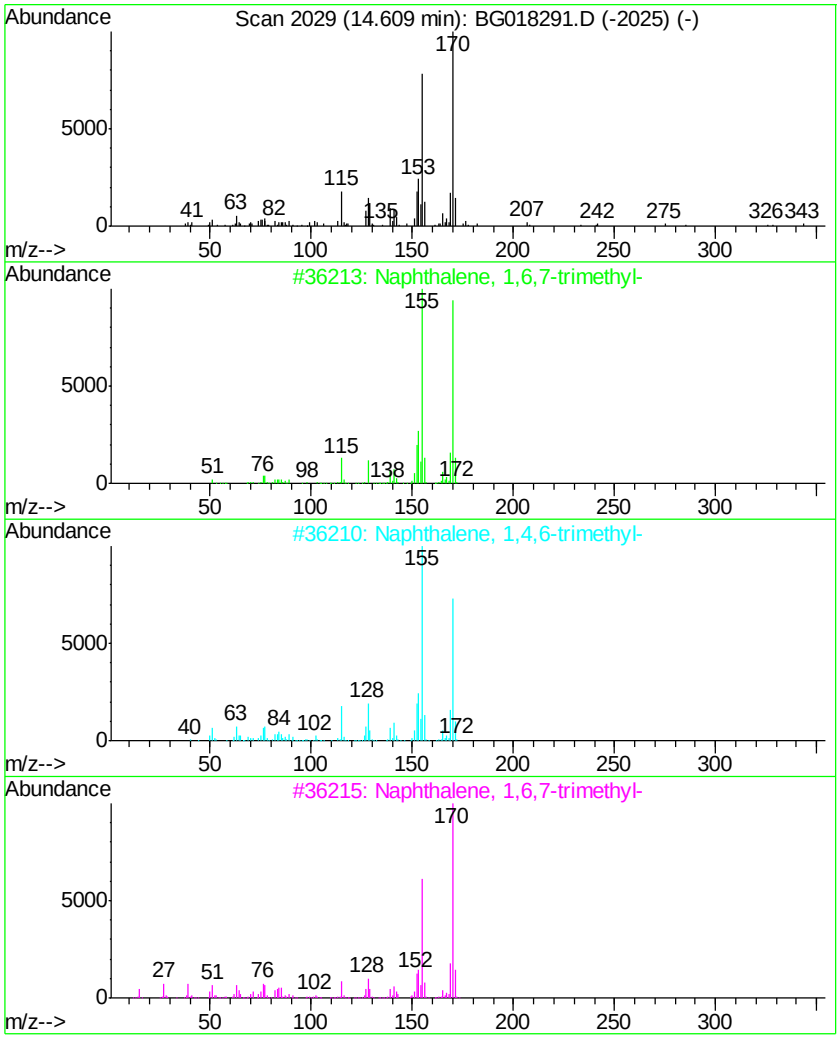
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

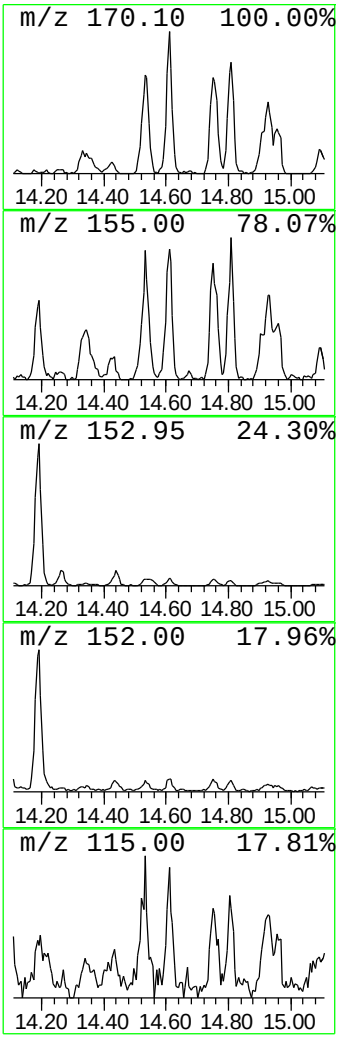
****

Peak Number 4 Naphthalene, 1,6,7-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	3.20 ng/ul	107154	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

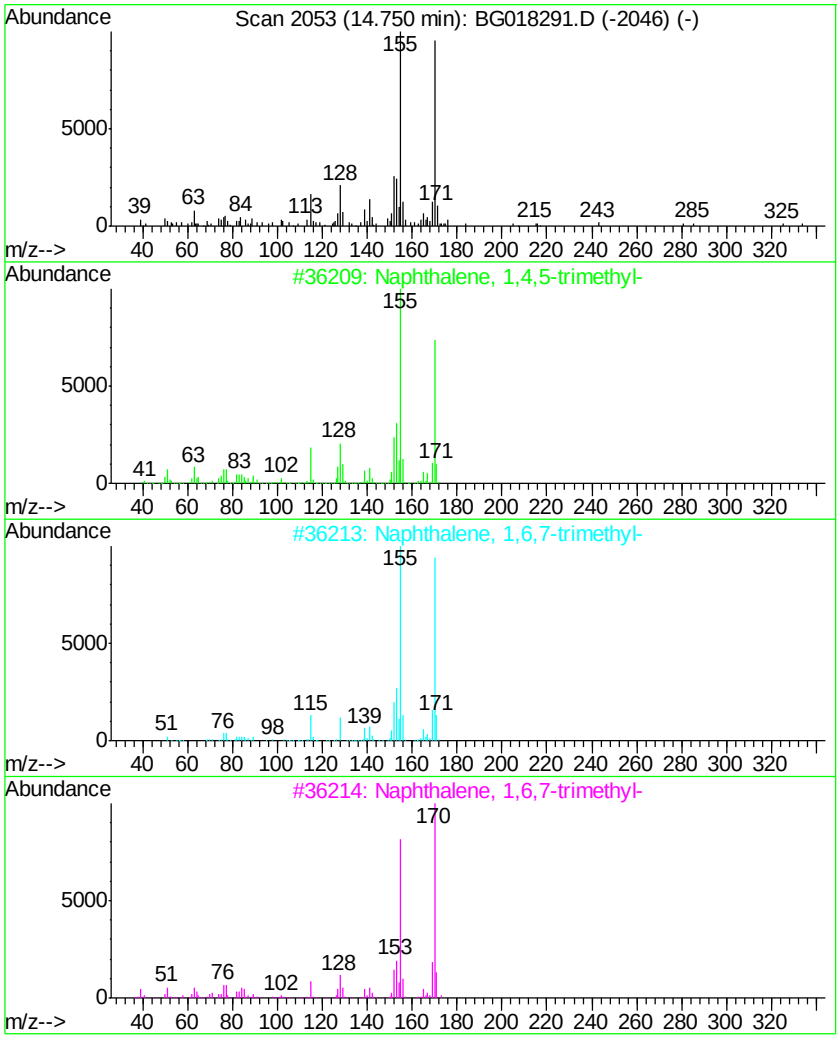
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

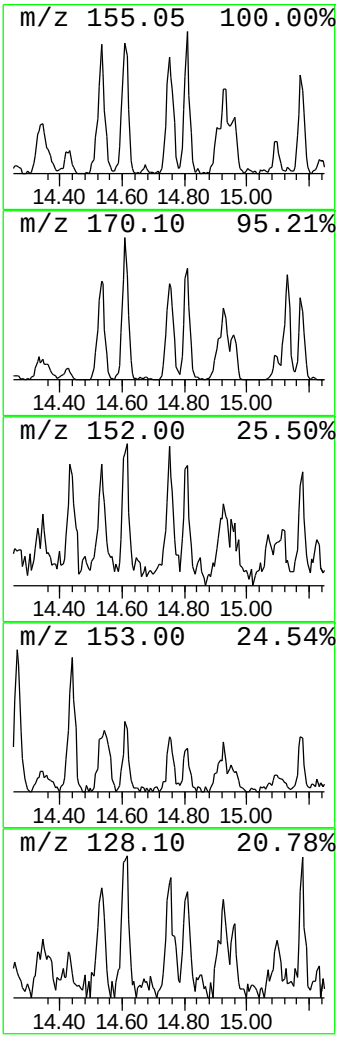
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, 1,4,5-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	3.70 ng/ul	124010	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	90
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	90





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Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

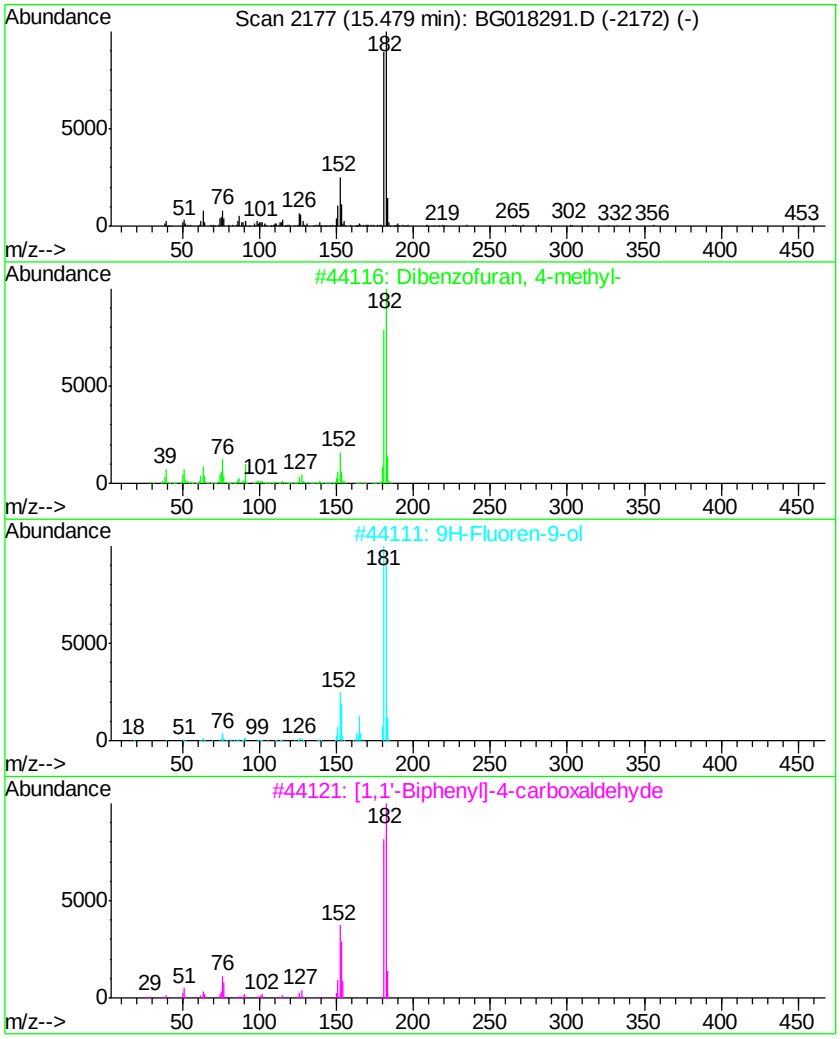
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

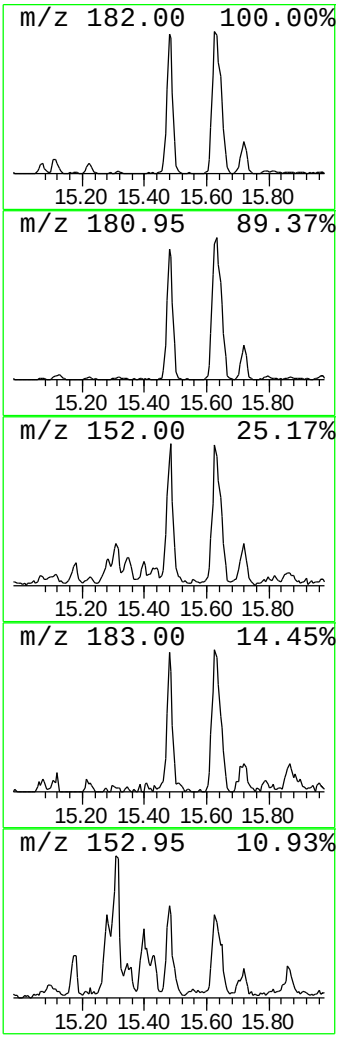
****

Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	11.76 ng/ul	394073	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	9H-Fluoren-9-ol, acetate	224	C15H12O2	025017-68-9	83
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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

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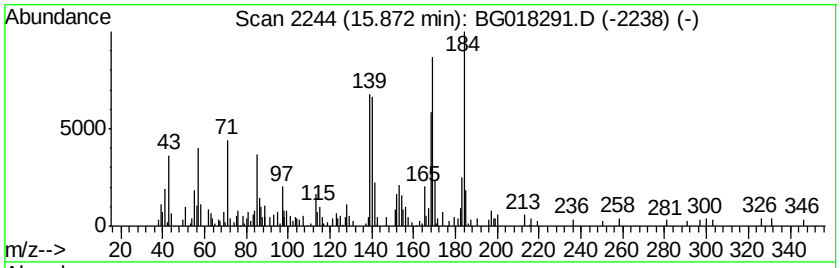
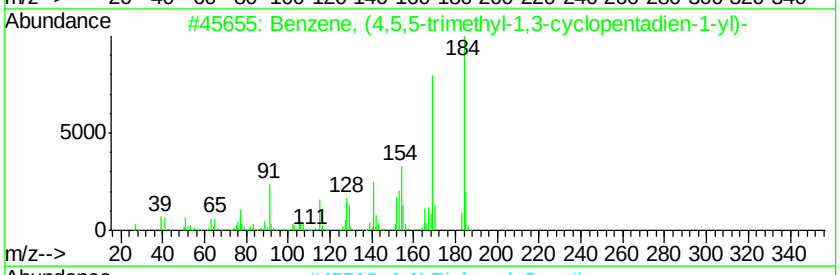
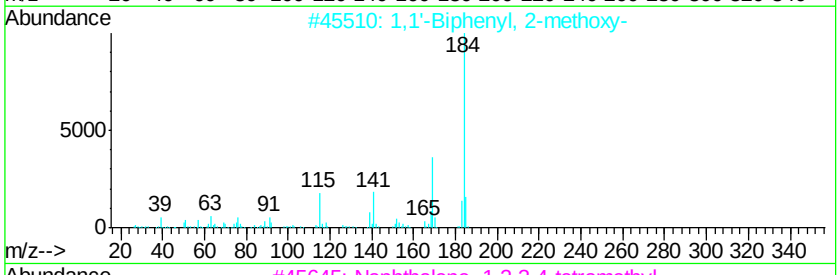
Peak Number 10 Benzene, (4,5,5-trimethyl-1... Concentration Rank 23

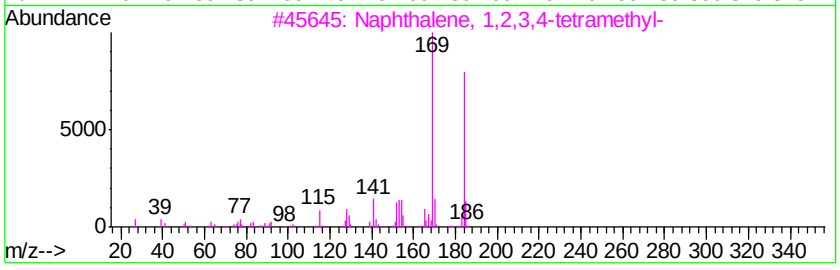
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	6.74 ng/ul	154228	Phenanthrene-d10	16.89

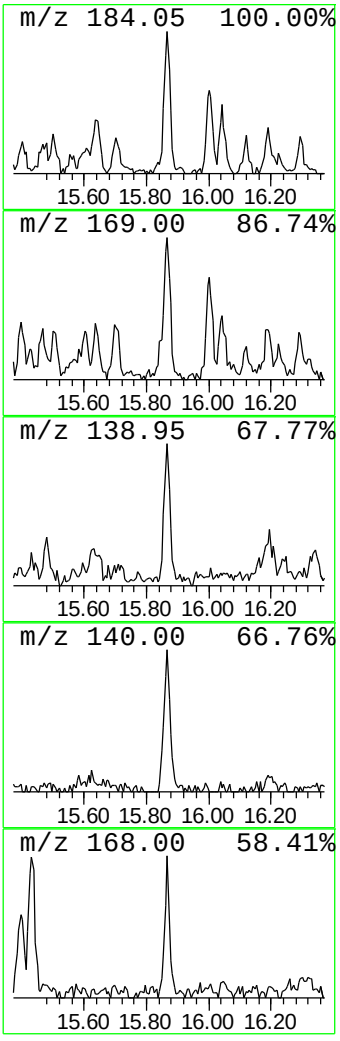
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	50
2	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	49
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	46
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	43
5	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	42











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Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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

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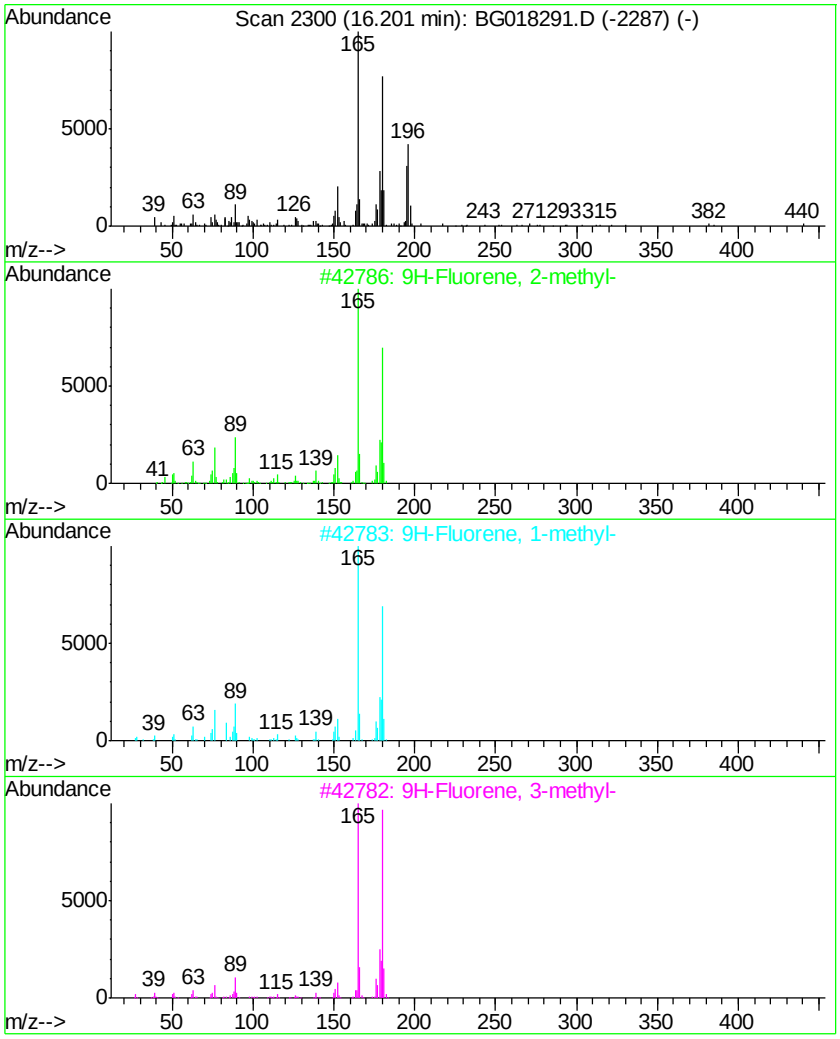
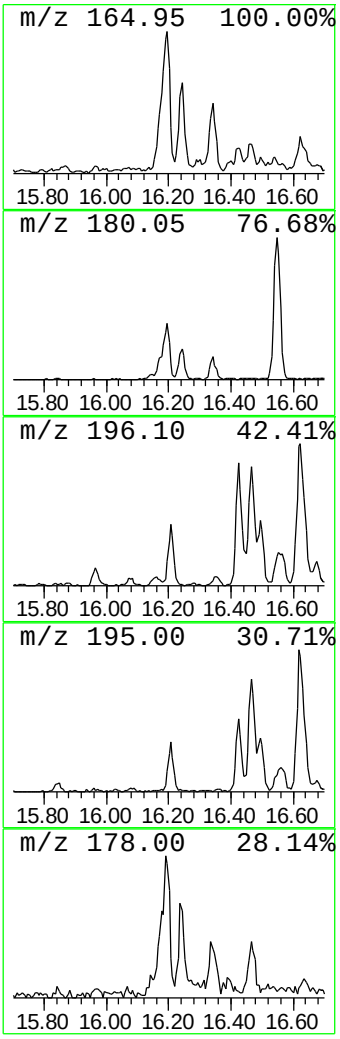
Peak Number 11 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	16.98 ng/ul	388747	Phenanthrene-d10	16.89

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	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91





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Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

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Quant Title : SVOA CALIBRATION

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

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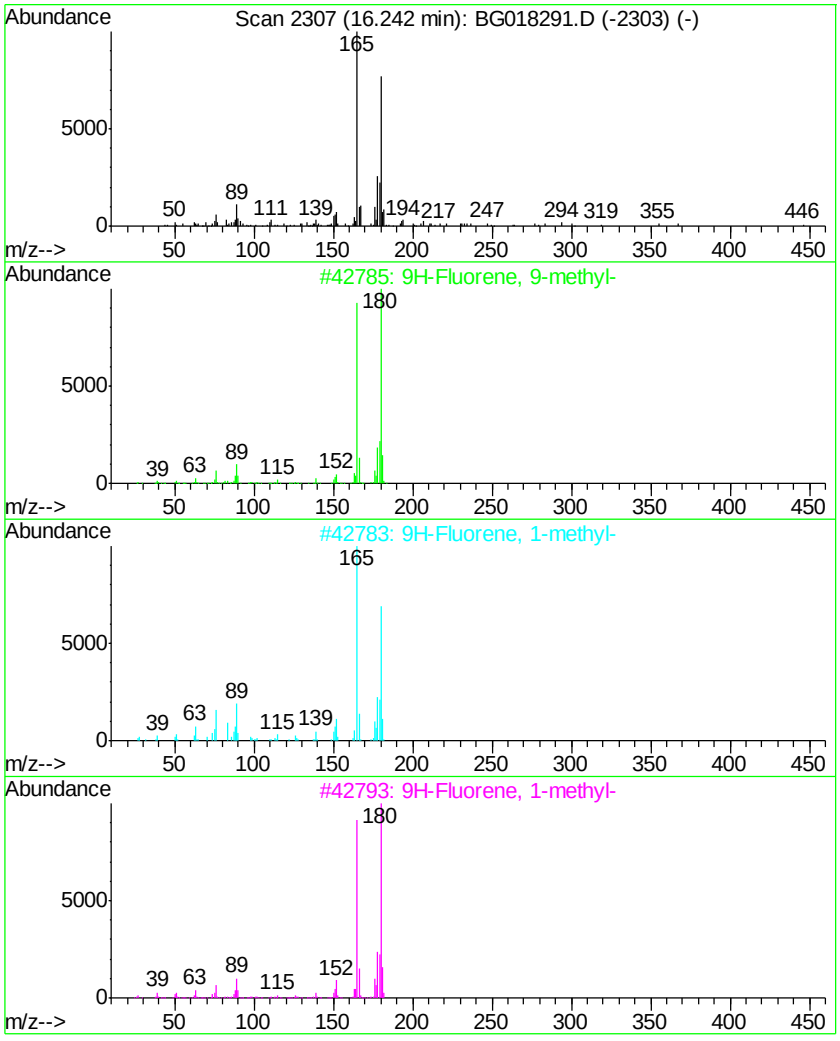
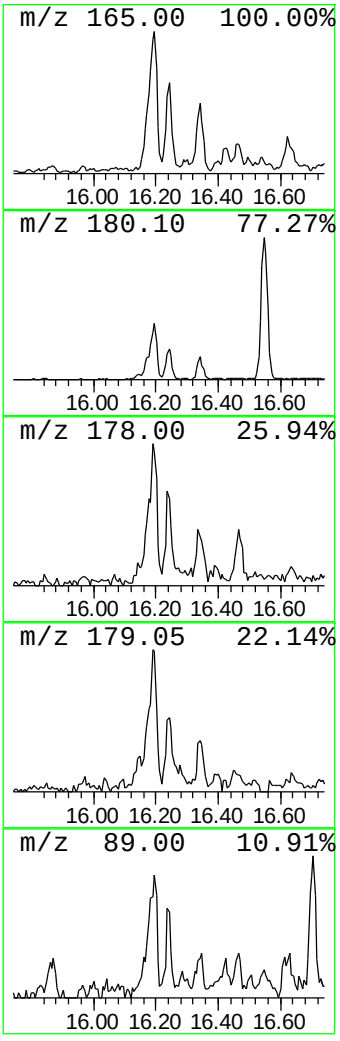
Peak Number 12 9H-Fluorene, 9-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	6.24 ng/ul	142806	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	59
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	59





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Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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

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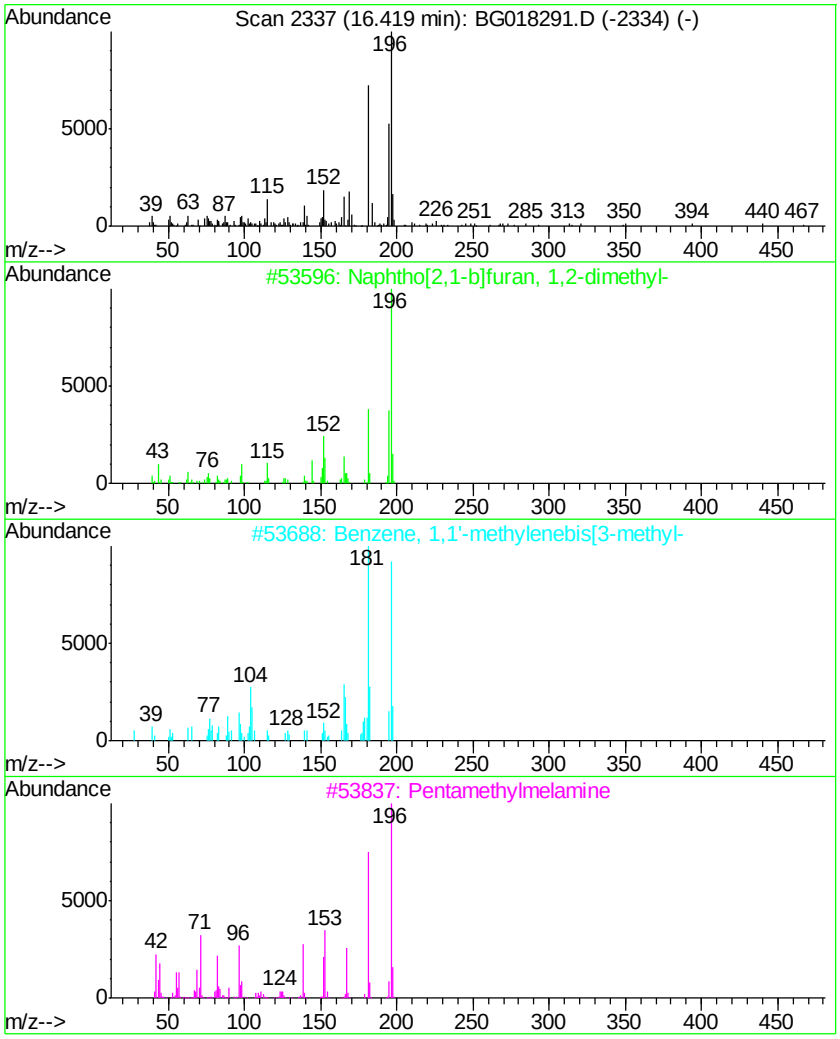
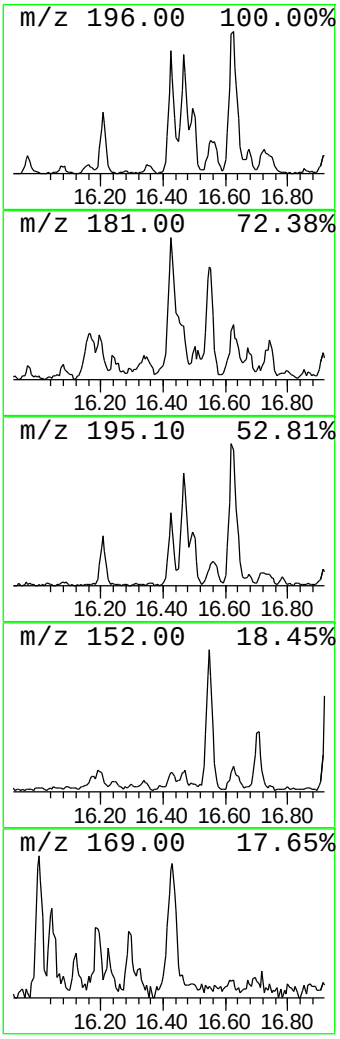
Peak Number 14 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	9.88 ng/ul	226164	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	64
2	Benzene, 1,1'-methylenebis[3-met...	196	C15H16	021895-14-7	52
3	Pentamethylmelamine	196	C8H16N6	035832-09-8	50
4	9H-Fluorene, 2-methoxy-	196	C14H12O	002523-46-8	50
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50





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Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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

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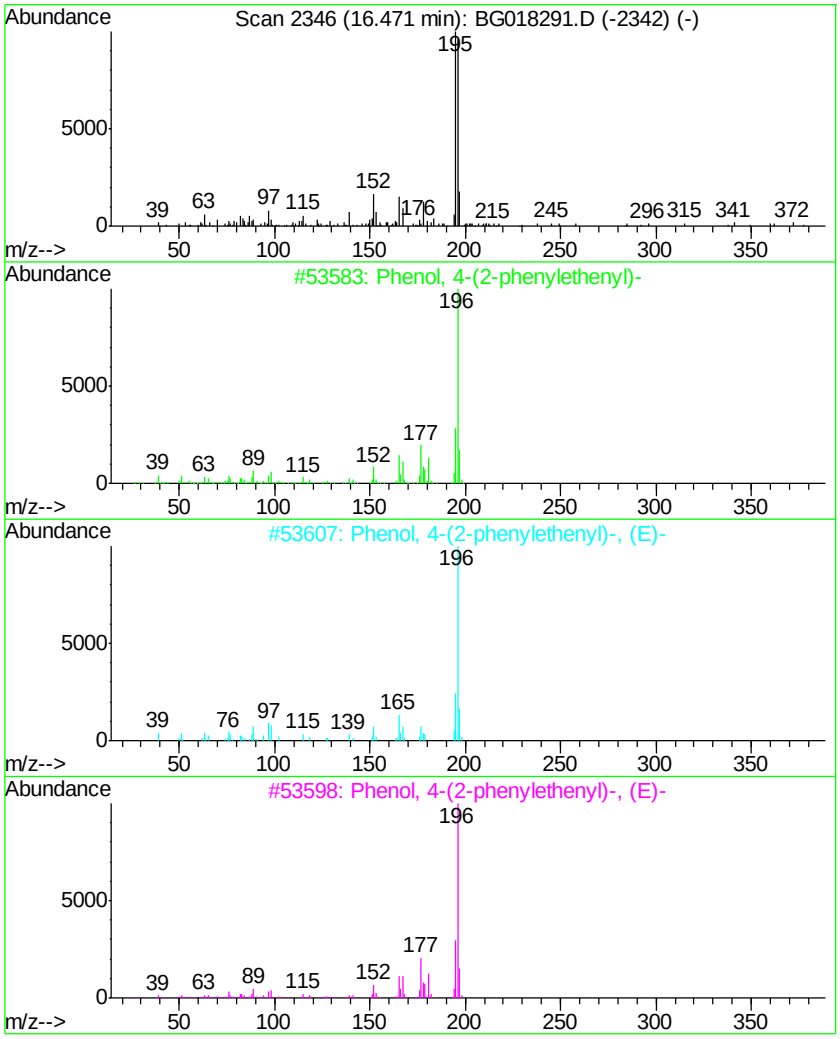
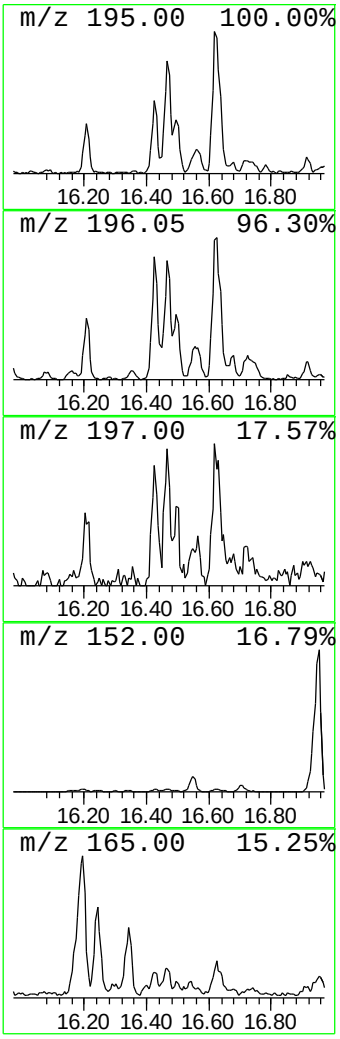
Peak Number 15 Phenol, 4-(2-phenylethenyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	7.97 ng/ul	182460	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50





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Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

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Quant Title : SVOA CALIBRATION

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

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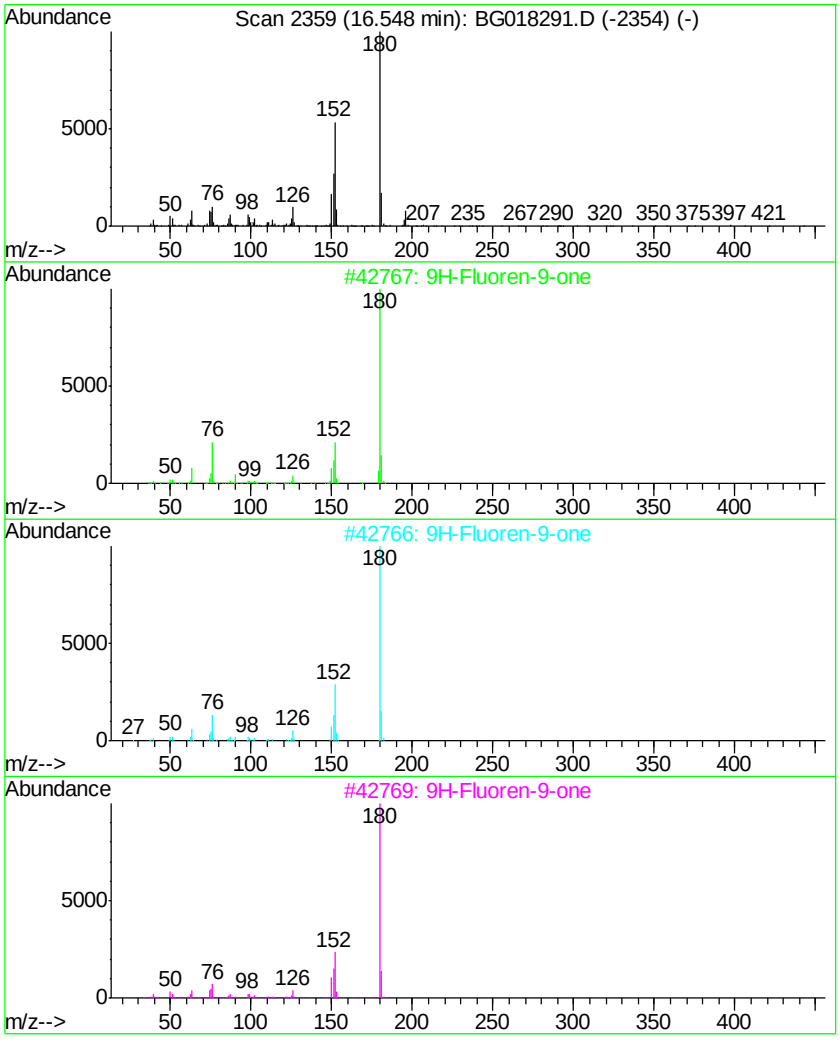
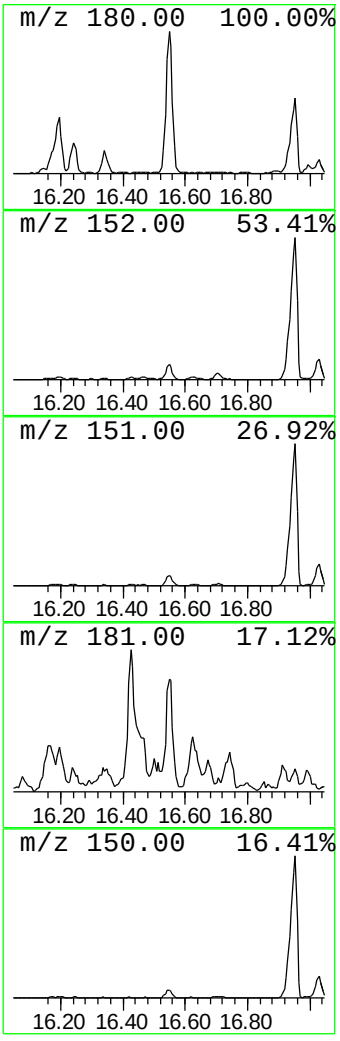
Peak Number 16 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	18.66 ng/ul	427388	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87





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Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

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Quant Title : SVOA CALIBRATION

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

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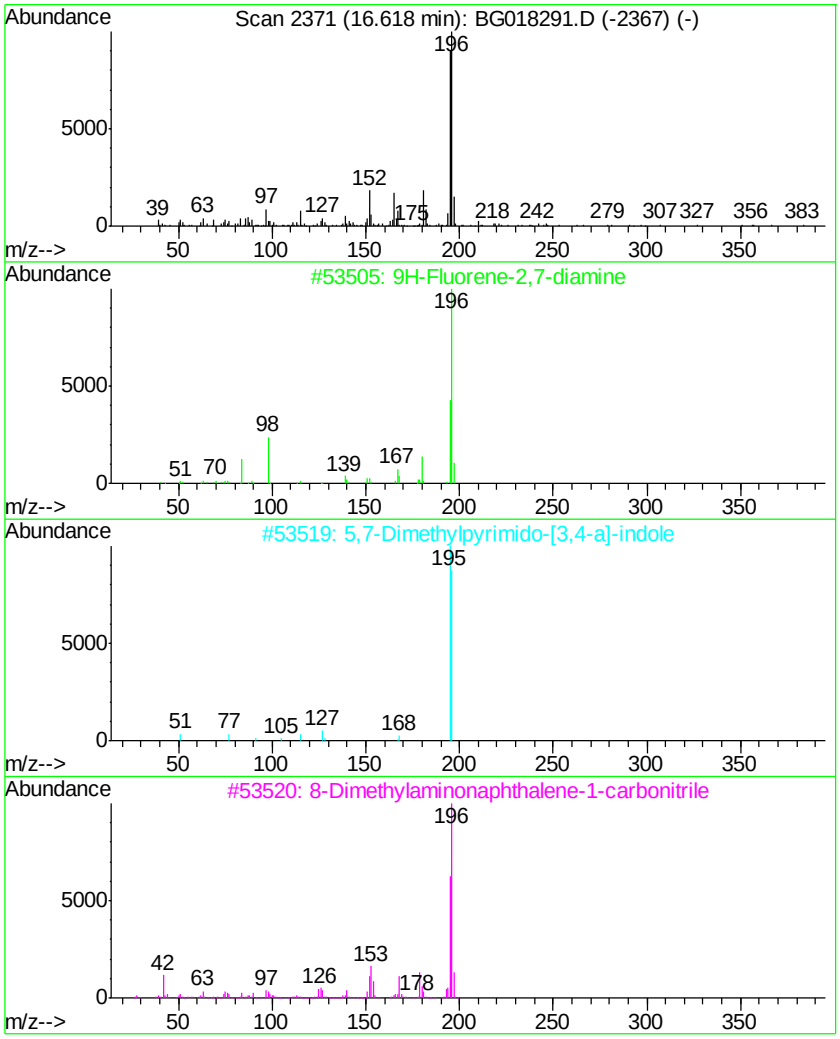
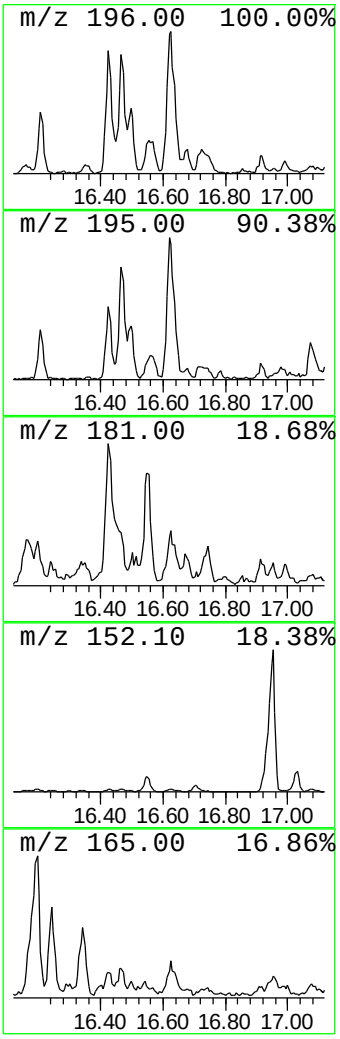
Peak Number 17 unknown-02 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	15.76 ng/ul	360942	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	43
2	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	38
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	37
4	Xanthene, 9,9-dimethyl-	210	C15H14O	019814-75-6	35
5	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	32





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Sample : G3109-08RE
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Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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

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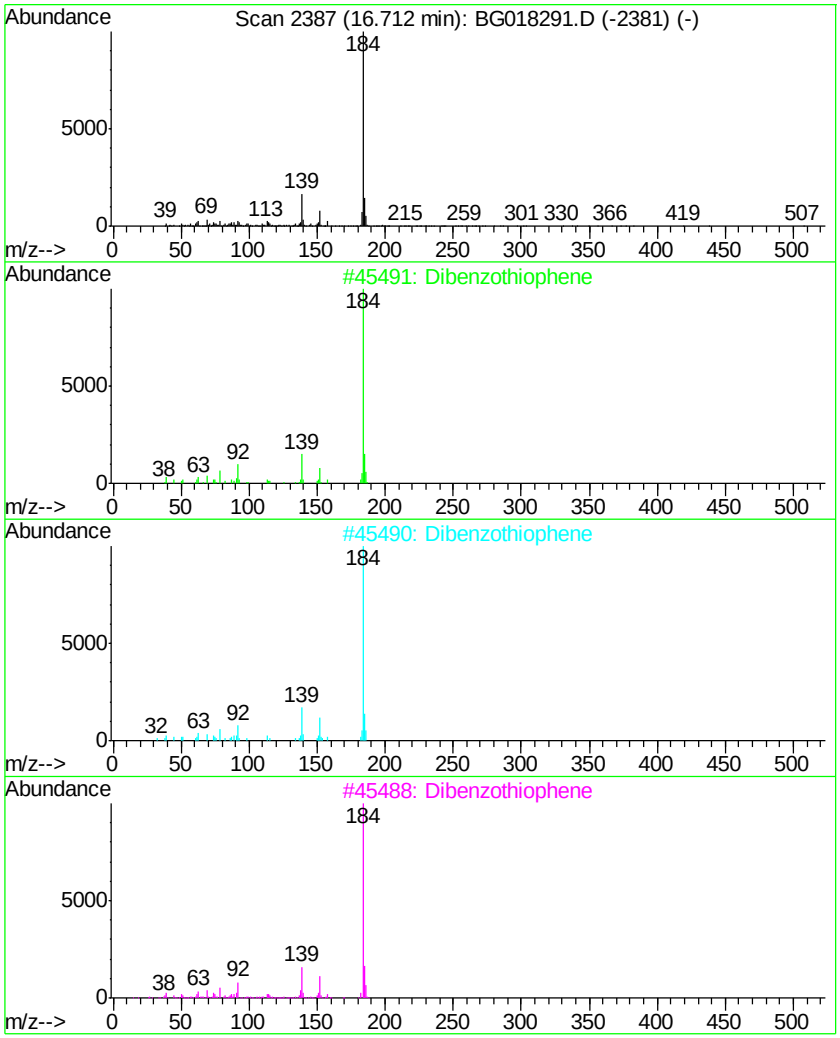
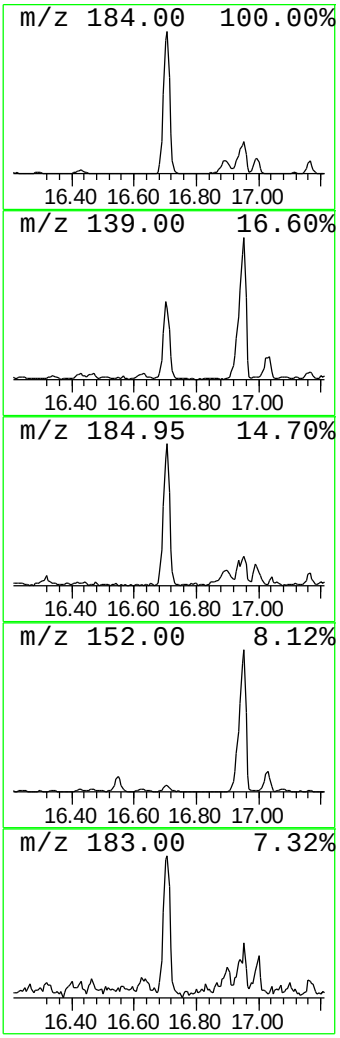
Peak Number 18 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	27.91 ng/ul	639131	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

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Quant Title : SVOA CALIBRATION

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

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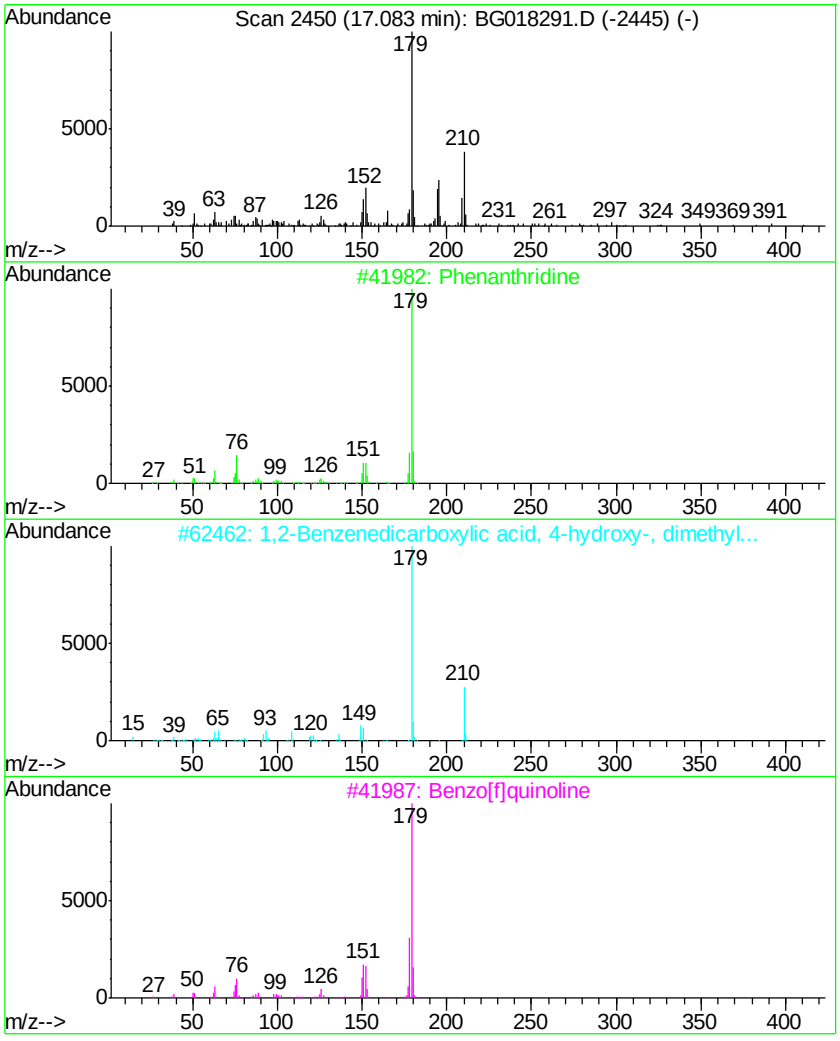
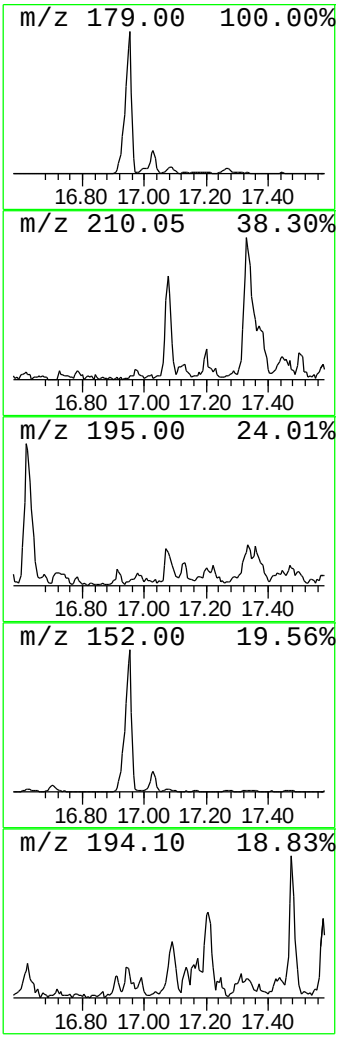
Peak Number 19 Phenanthridine Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	7.10 ng/ul	162646	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthridine	179	C13H9N	000229-87-8	55
2	1,2-Benzenedicarboxylic acid, 4-...	210	C10H10O5	022479-95-4	50
3	Benzo[f]quinoline	179	C13H9N	000085-02-9	49
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	46
5	Benzo[g]isoquinoline	179	C13H9N	000260-32-2	45





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Misc :
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Instrument : BNA_G
ClientSampleId : C01J2RE

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Quant Title : SVOA CALIBRATION

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

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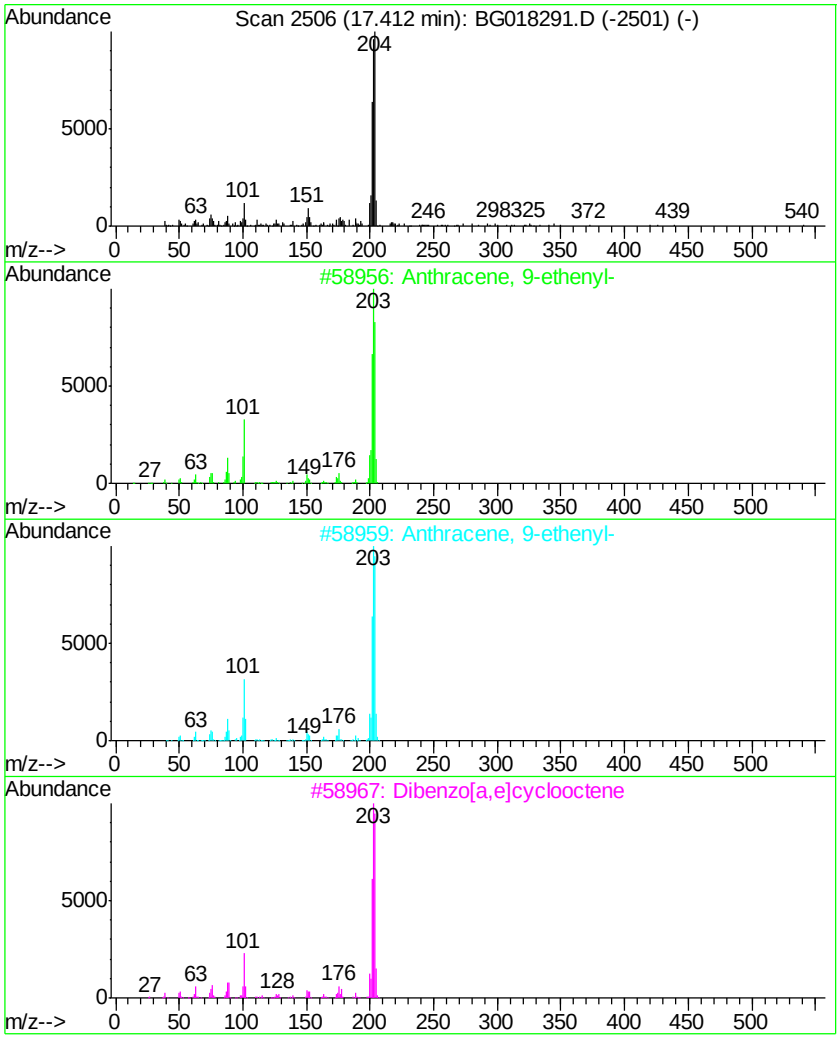
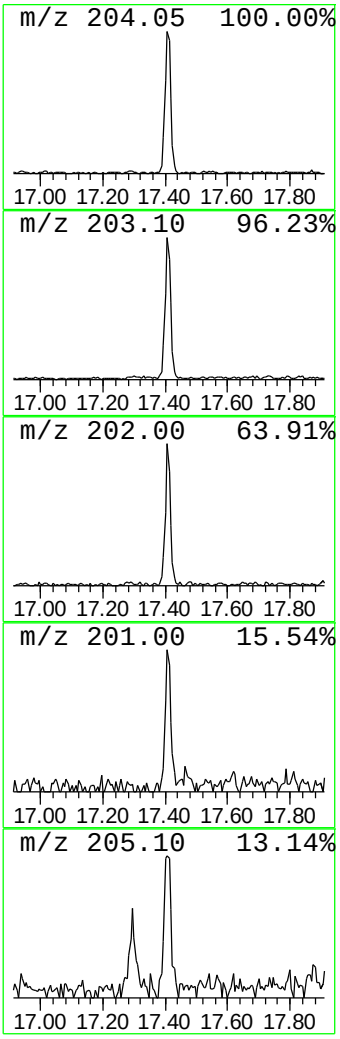
Peak Number 20 Anthracene, 9-ethenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	6.56 ng/ul	150265	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
3	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	76
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
5	2-Fluoro-4-bromobenzaldehyde	202	C7H4BrFO	057848-46-1	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

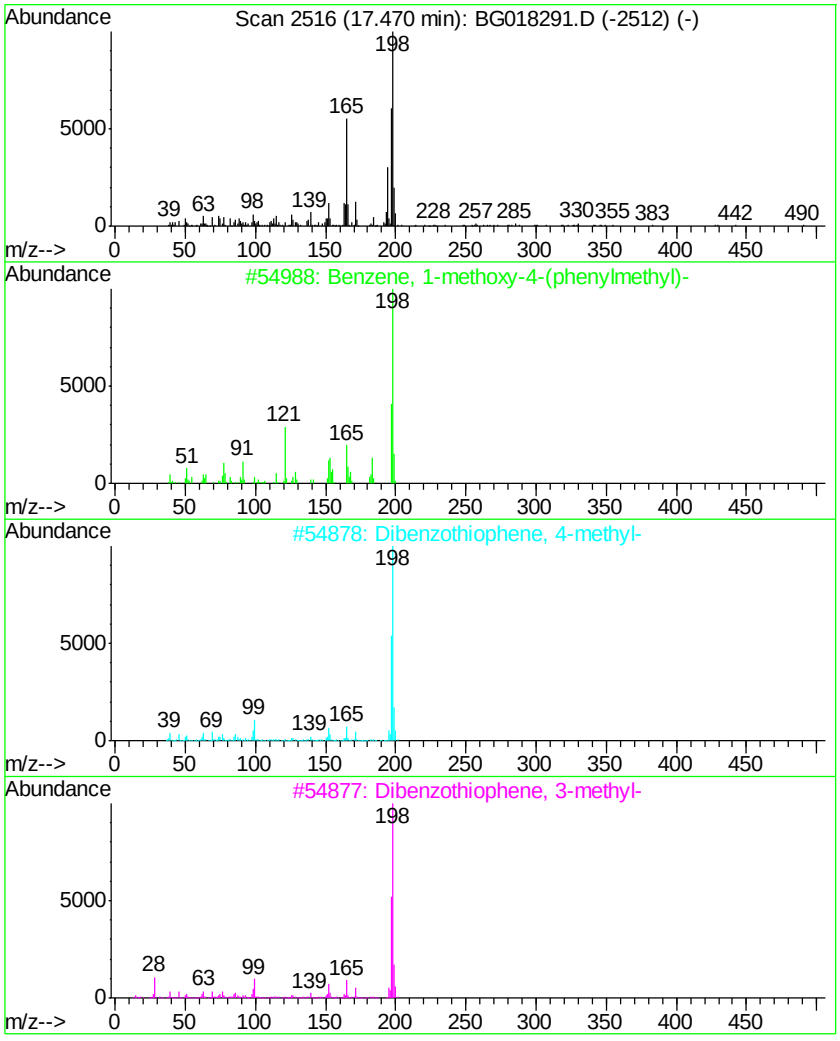
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

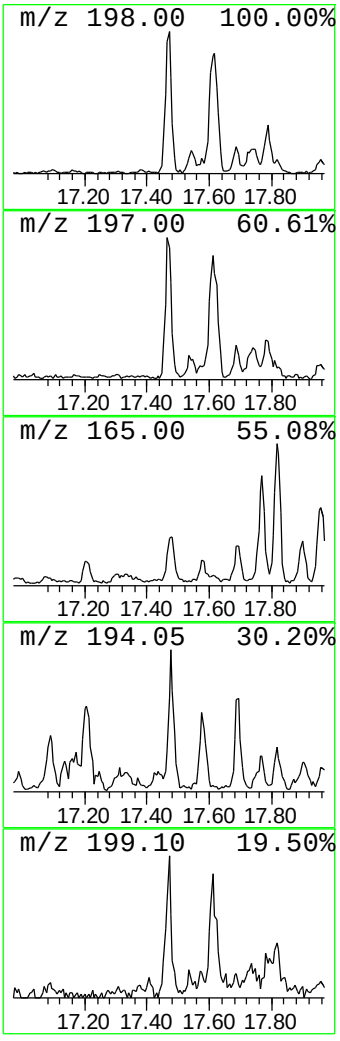
****

Peak Number 21 Benzene, 1-methoxy-4-(pheny... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.47	12.34 ng/ul	282541	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	53
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	52
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	52
4	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	47
5	Thioxanthene	198	C13H10S	000261-31-4	43





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Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

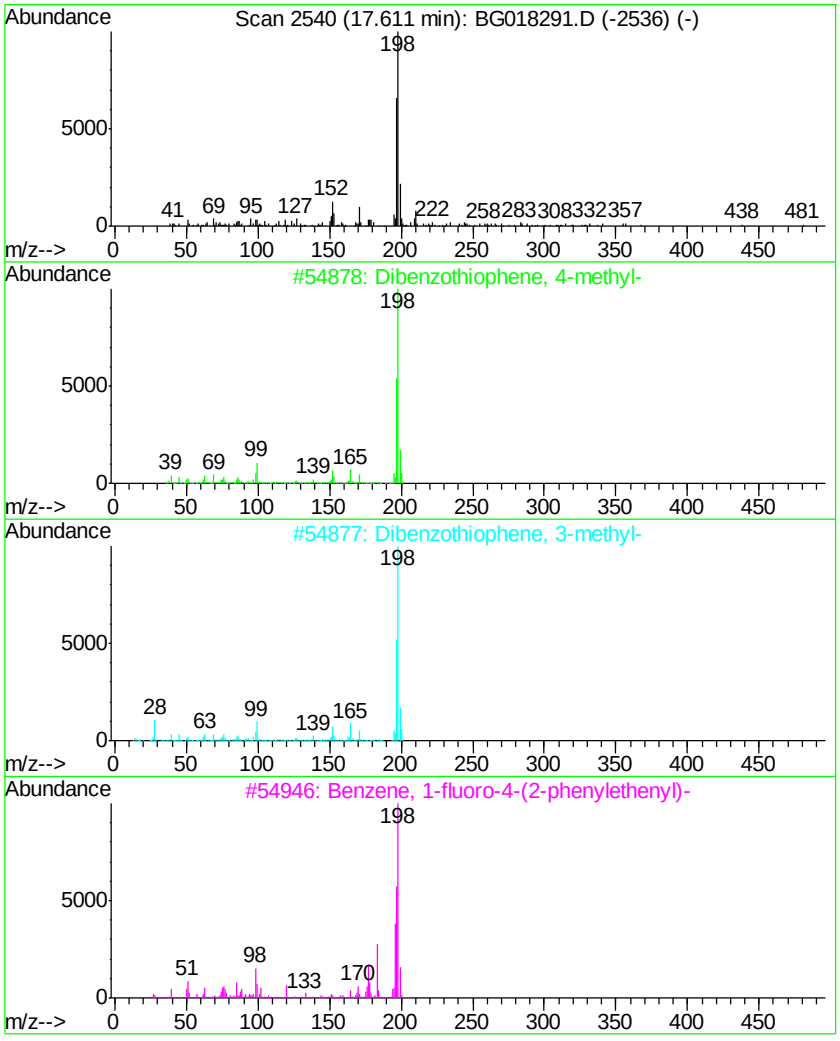
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

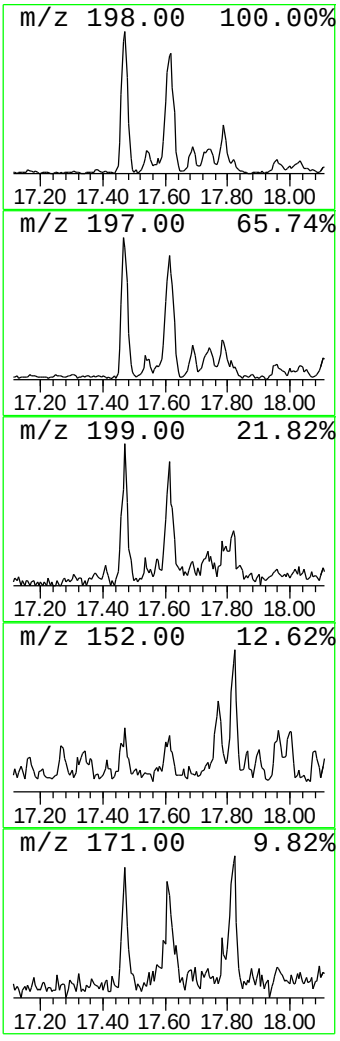
****

Peak Number 22 Dibenzothiophene, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.61	6.24 ng/ul	142979	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	86
3	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	59
4	4,6,8-Trimethyl-1-azulenecarbald...	198	C14H14O	000832-62-2	59
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

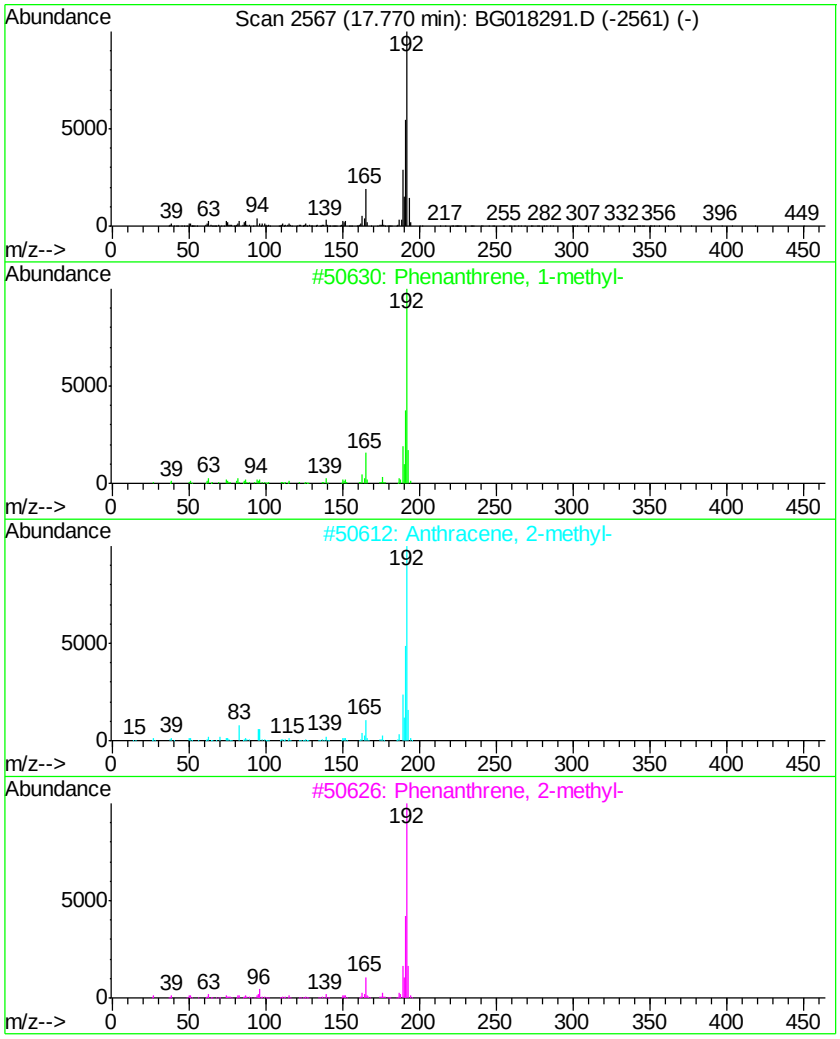
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

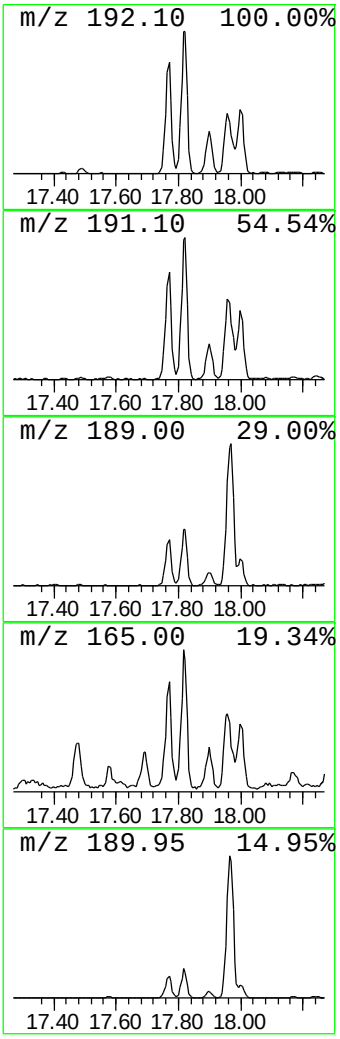
****

Peak Number 23 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	39.65 ng/ul	908016	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

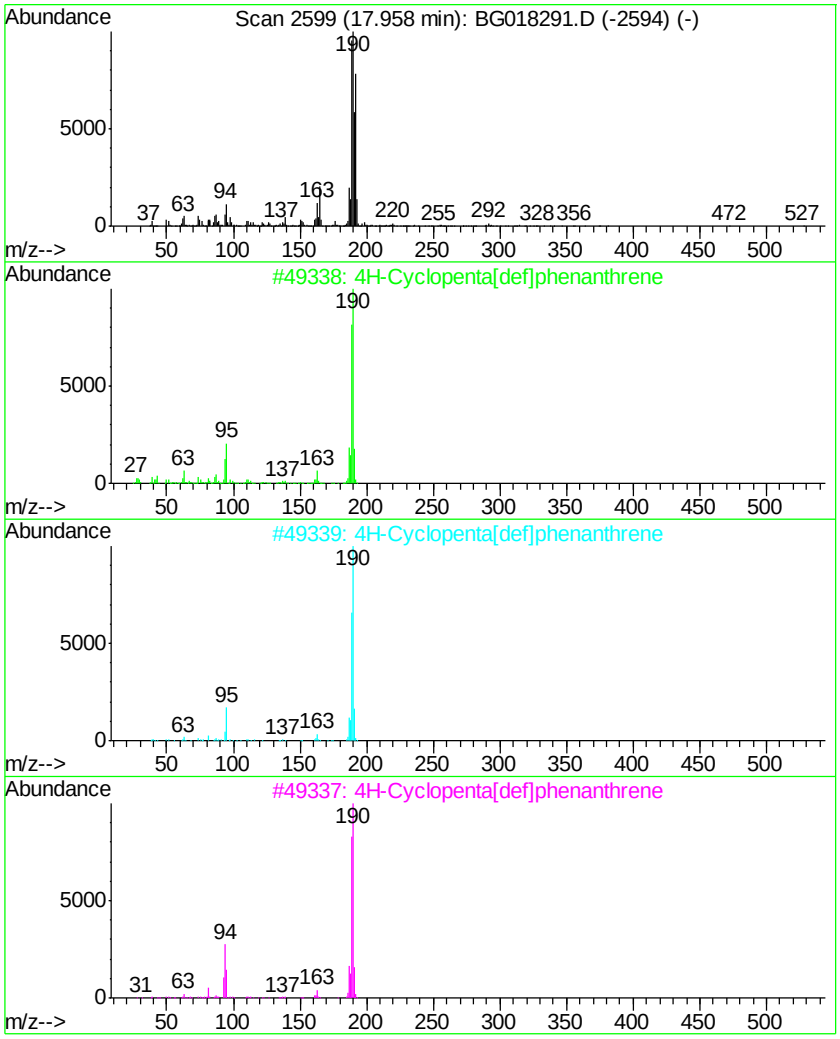
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

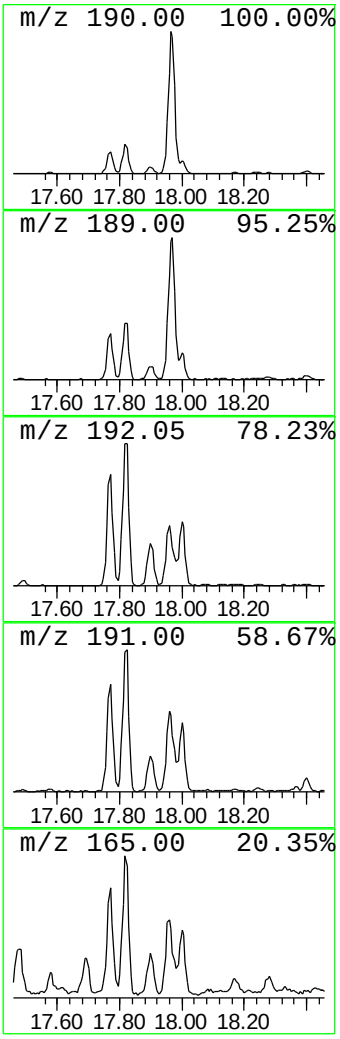
****

Peak Number 25 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	66.66 ng/ul	1526510	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	Megastigmatrienone	190	C13H18O	038818-55-2	14





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

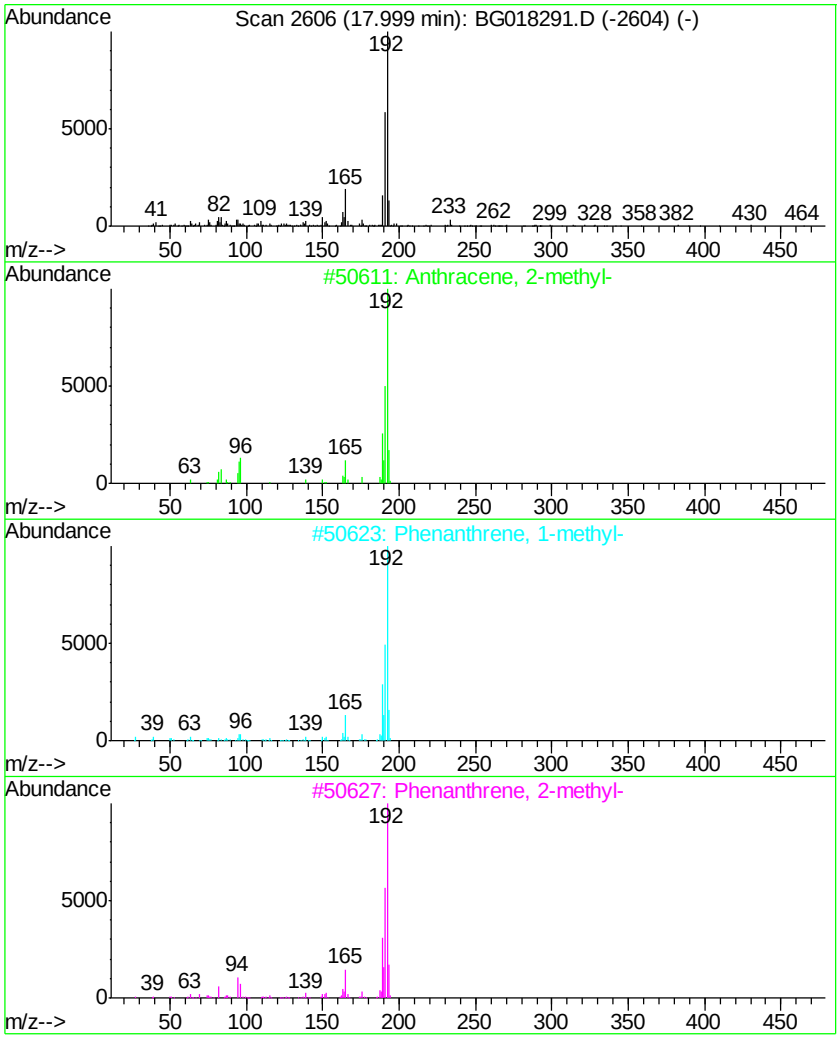
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

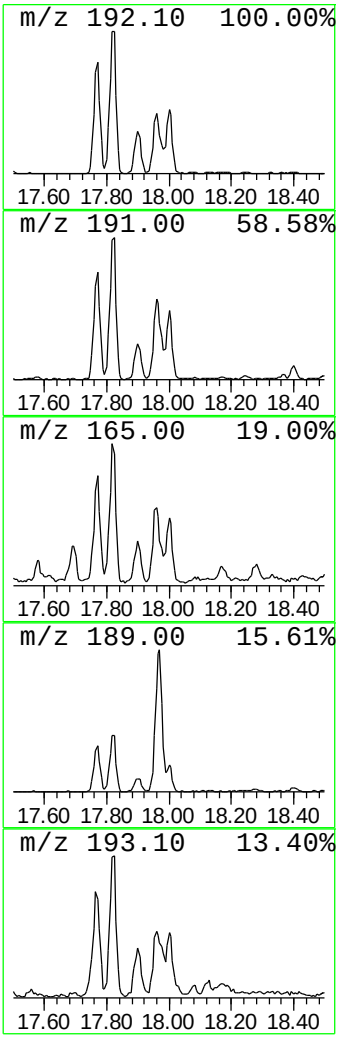
****

Peak Number 26 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	21.47 ng/ul	491569	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

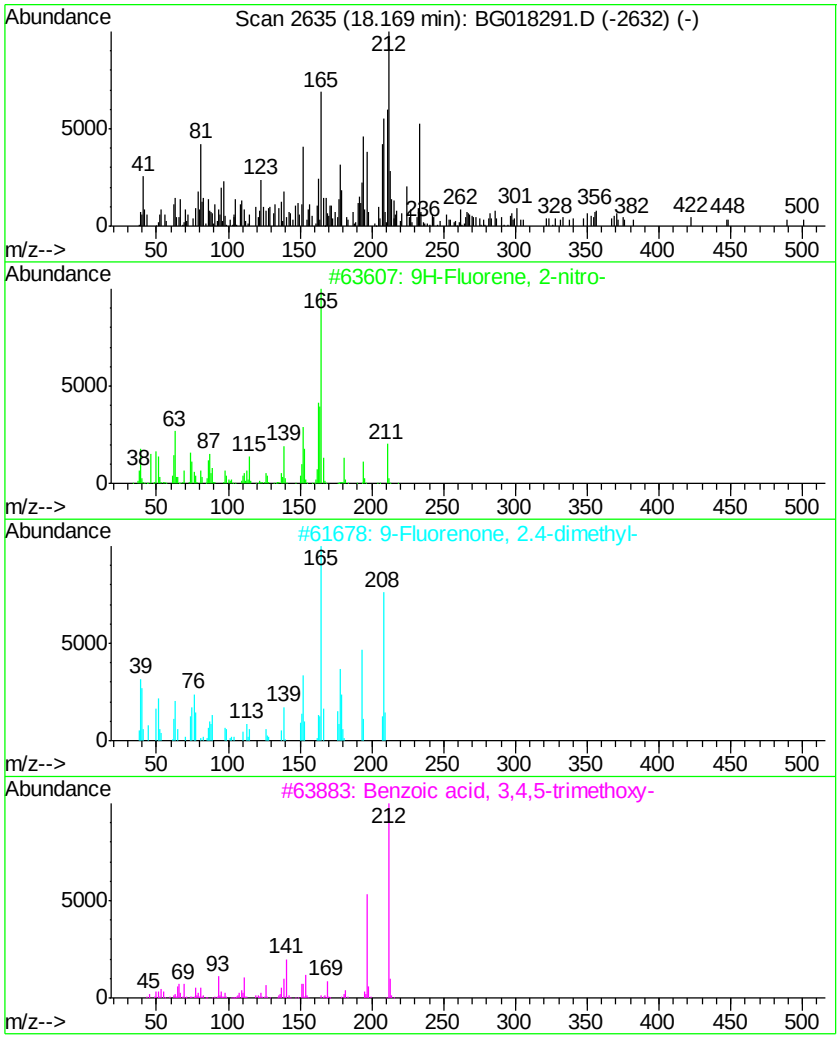
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

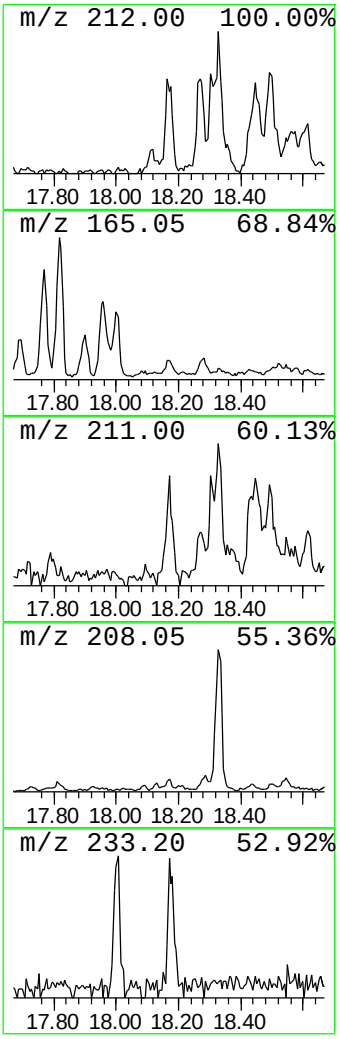
****

Peak Number 27 unknown-03 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	4.45 ng/ul	101886	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-nitro-	211	C13H9NO2	000607-57-8	22
2	9-Fluorenone, 2,4-dimethyl-	208	C15H12O	002928-39-4	20
3	Benzoic acid, 3,4,5-trimethoxy-	212	C10H12O5	000118-41-2	11
4	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	11
5	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	11





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

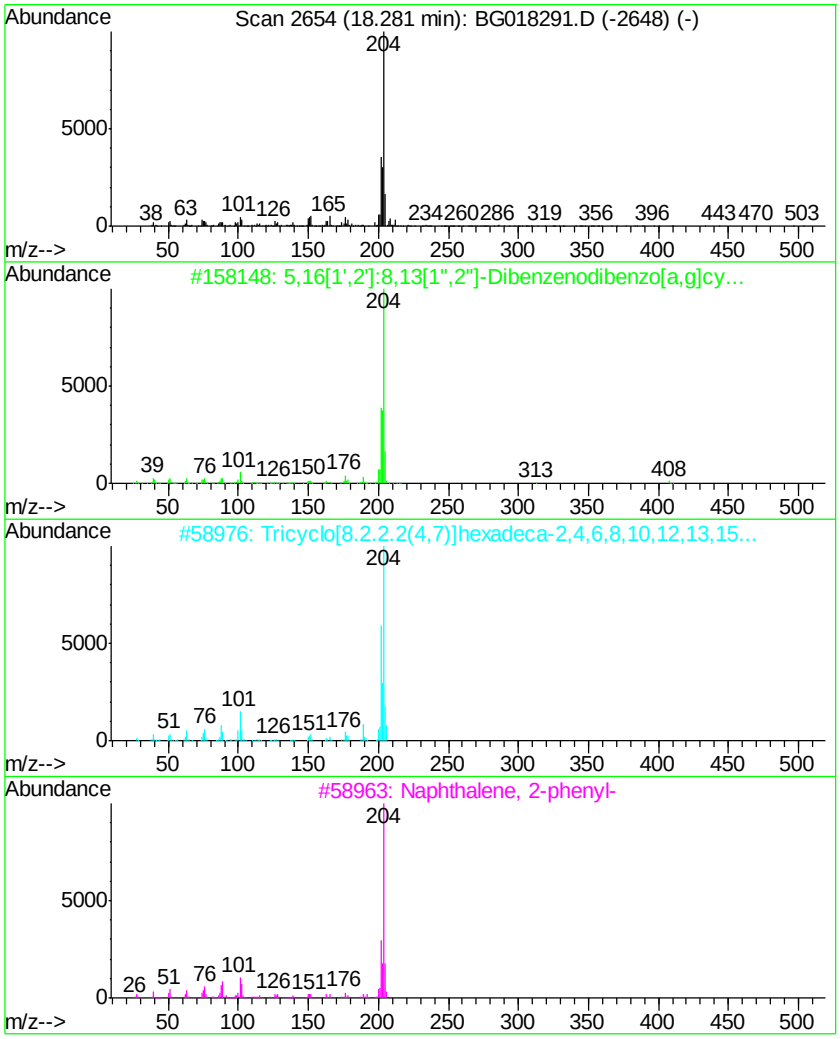
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

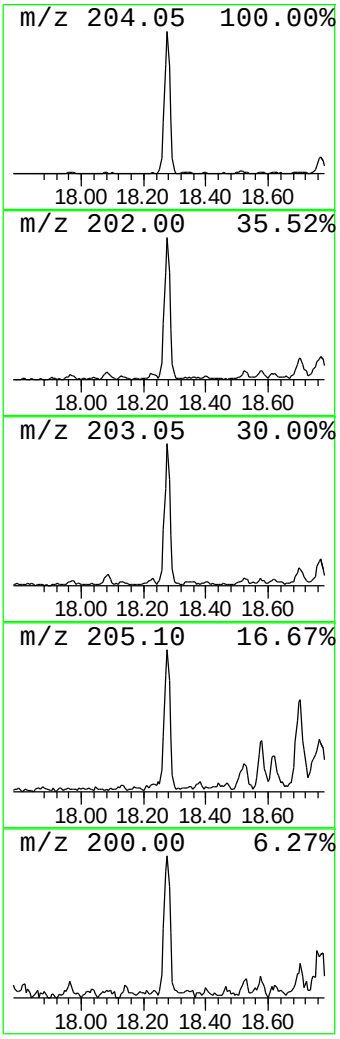
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	24.98 ng/ul	572125	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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

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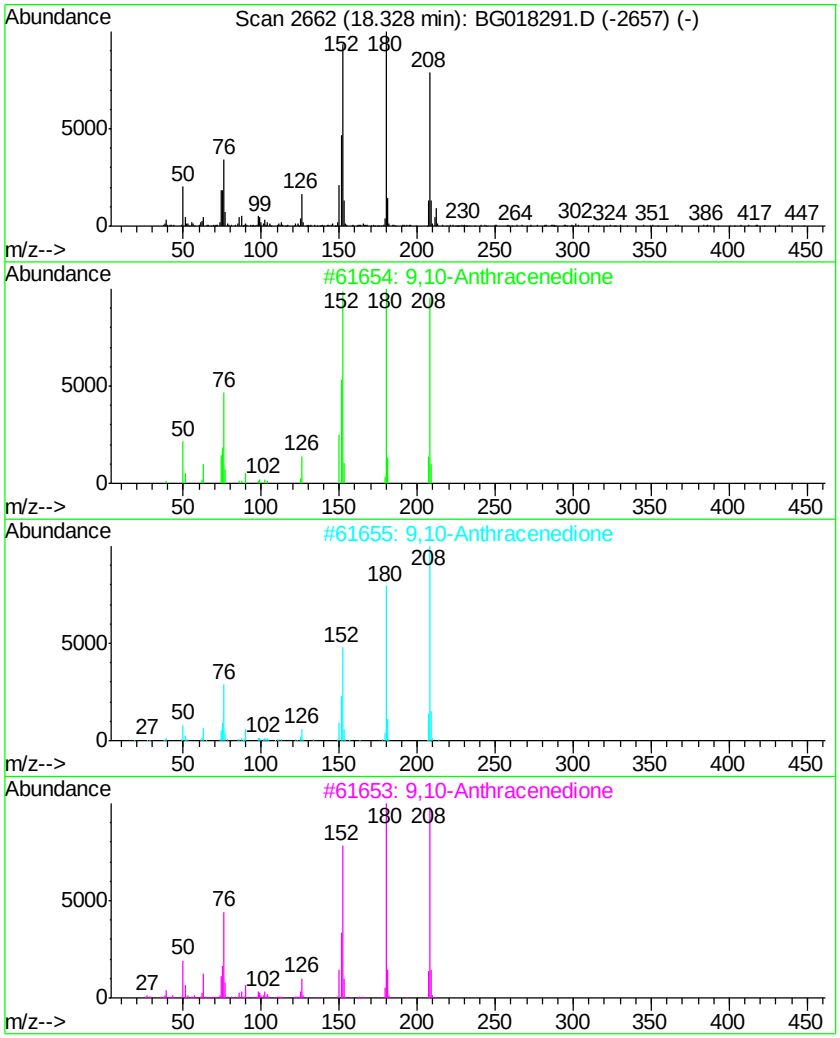
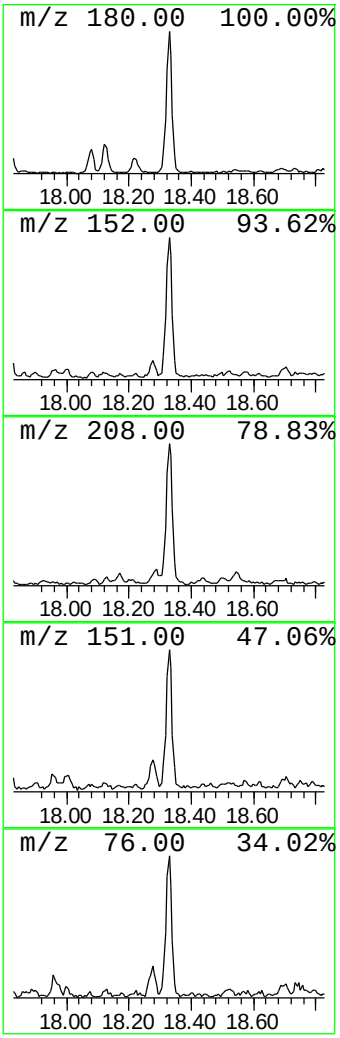
Peak Number 29 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	23.42 ng/ul	536364	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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

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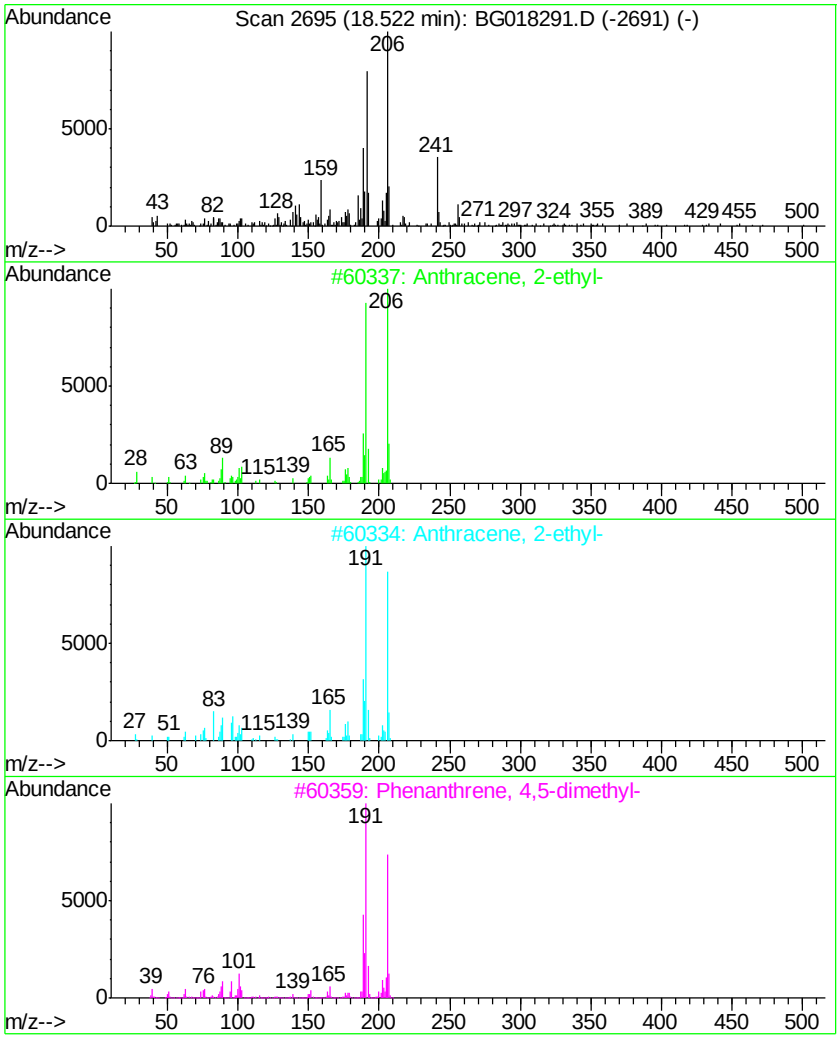
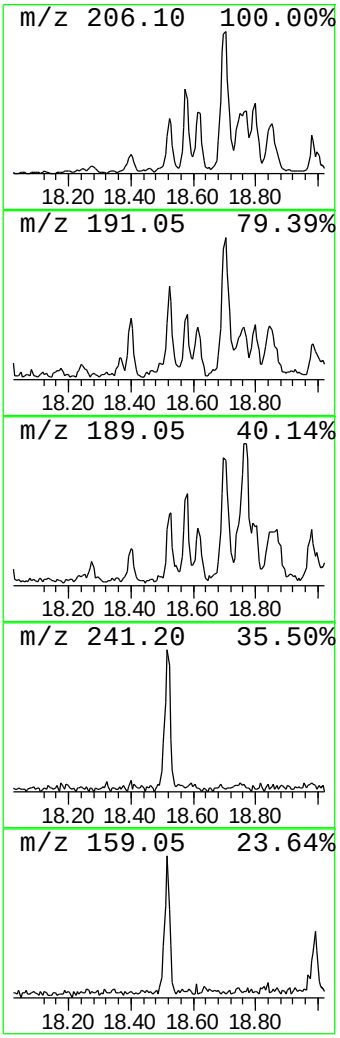
Peak Number 30 Anthracene, 2-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	10.52 ng/ul	240809	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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

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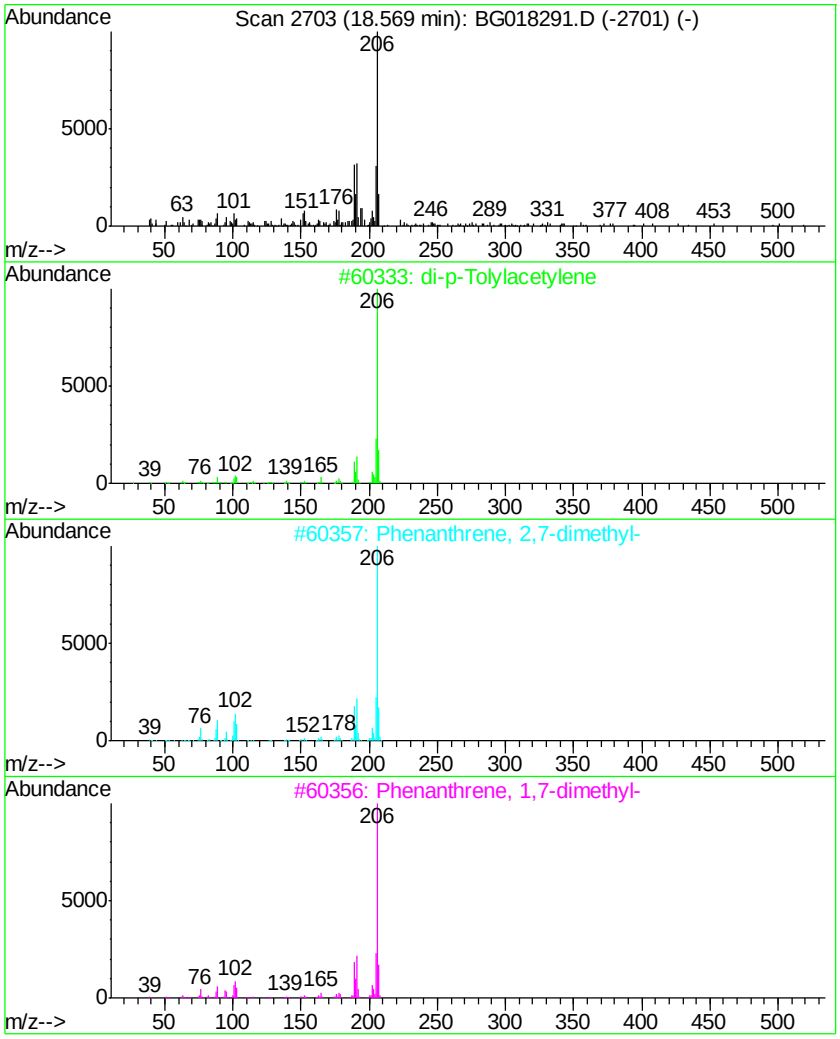
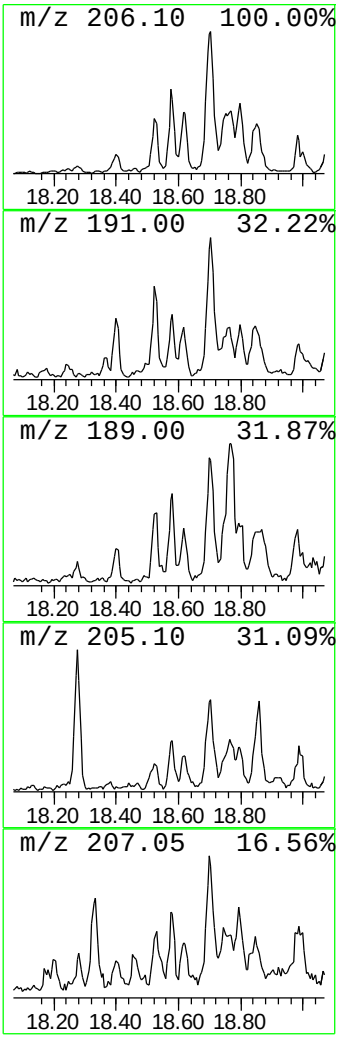
Peak Number 31 di-p-Tolylacetylene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	5.91 ng/ul	135445	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080515\
Data File : BG018291.D
Acq On : 6 Aug 2015 3:16
Operator : UM/TP
Sample : G3109-08RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01J2RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	3.43	16.0	ng/ul	261855	1	7.44	327134	20.0
Naphthalene, 1,3-...	13.44	5.6	ng/ul	187079	3	14.13	670269	20.0
Naphthalene, 1,6-...	13.68	3.1	ng/ul	104457	3	14.13	670269	20.0
Naphthalene, 1,6,...	14.61	3.2	ng/ul	107154	3	14.13	670269	20.0
Naphthalene, 1,4,...	14.75	3.7	ng/ul	124010	3	14.13	670269	20.0
Dibenzofuran, 4-m...	15.48	11.8	ng/ul	394073	3	14.13	670269	20.0
Benzene, (4,5,5-t...	15.87	6.7	ng/ul	154228	4	16.89	457982	20.0
9H-Fluorene, 2-me...	16.20	17.0	ng/ul	388747	4	16.89	457982	20.0
9H-Fluorene, 9-me...	16.24	6.2	ng/ul	142806	4	16.89	457982	20.0
Naphtho[2,1-b]fur...	16.42	9.9	ng/ul	226164	4	16.89	457982	20.0
Phenol, 4-(2-phen...	16.47	8.0	ng/ul	182460	4	16.89	457982	20.0
9H-Fluoren-9-one	16.55	18.7	ng/ul	427388	4	16.89	457982	20.0
unknown-02	16.62	15.8	ng/ul	360942	4	16.89	457982	20.0
Dibenzothiophene	16.71	27.9	ng/ul	639131	4	16.89	457982	20.0
Phenanthridine	17.08	7.1	ng/ul	162646	4	16.89	457982	20.0
Anthracene, 9-eth...	17.41	6.6	ng/ul	150265	4	16.89	457982	20.0
Benzene, 1-methox...	17.47	12.3	ng/ul	282541	4	16.89	457982	20.0
Dibenzothiophene,...	17.61	6.2	ng/ul	142979	4	16.89	457982	20.0
Phenanthrene, 1-m...	17.77	39.6	ng/ul	908016	4	16.89	457982	20.0
4H-Cyclopenta[def...	17.96	66.7	ng/ul	1526510	4	16.89	457982	20.0
Anthracene, 2-met...	18.00	21.5	ng/ul	491569	4	16.89	457982	20.0
unknown-03	18.17	4.5	ng/ul	101886	4	16.89	457982	20.0
5,16[1',2']:8,13[...	18.28	25.0	ng/ul	572125	4	16.89	457982	20.0
9,10-Anthracenedione	18.33	23.4	ng/ul	536364	4	16.89	457982	20.0
Anthracene, 2-ethyl-	18.52	10.5	ng/ul	240809	4	16.89	457982	20.0
di-p-Tolylacetylene	18.57	5.9	ng/ul	135445	4	16.89	457982	20.0