LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

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-BG121415.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	3.114	43	47	57	rVB3	9147	18823	1.81%	0.279%
2	8.091	888	894	902	rBB	53608	90013	8.67%	1.333%
3	8.631	981	986	992	rBB	4340	7410	0.71%	0.110%
4	10.911	1367	1374	1378	rBV	79372	142311	13.70%	2.107%
5	10.964	1378	1383	1392	rVV	149376	265233	25.54%	3.927%
6	11.076	1399	1402	1408	rVB2	3193	5141	0.49%	0.076%
7	11.739	1509	1515	1523	rVB	21616	36531	3.52%	0.541%
8	12.562	1648	1655	1664	rBV	89129	144565	13.92%	2.140%
9	12.779	1686	1692	1701	rVB	43267	73155	7.04%	1.083%
10	13.273	1771	1776	1783	rBB3	8328	13299	1.28%	0.197%
11	13.349	1783	1789	1796	rBB2	2577	4608	0.44%	0.068%
12	13.561	1819	1825	1833	rBB	36292	55082	5.30%	0.816%
13	13.755	1853	1858	1866	rVB	9931	14926	1.44%	0.221%
14	14.043	1898	1907	1912	rBV2	17327	30470	2.93%	0.451%
15	14.096	1912	1916	1925	rVB2	11514	24068	2.32%	0.356%
16	14.284	1943	1948	1952	rBV	6734	9765	0.94%	0.145%
17	14.448	1966	1976	1981	rBV4	12906	28994	2.79%	0.429%
18	14.695	2013	2018	2019	rVV	12853	16198	1.56%	0.240%
19	14.724	2019	2023	2029	rVV2	143017	226403	21.80%	3.352%
20	14.789	2029	2034	2041	rVV	200210	314908	30.32%	4.663%
21	14.853	2041	2045	2052	rVB2	5550	7886	0.76%	0.117%
22	14.924	2052	2057	2062	rBV2	2725	5221	0.50%	0.077%
23	15.036	2070	2076	2080	rVB3	5221	8728	0.84%	0.129%
24	15.124	2084	2091	2098	rVV	139706	214097	20.61%	3.170%
25	15.188	2098	2102	2109	rVB2	3279	5577	0.54%	0.083%
26	15.335	2121	2127	2132	rBV2	2901	4338	0.42%	0.064%
27	15.717	2187	2192	2195	rVV	8565	11073	1.07%	0.164%
28	15.770	2195	2201	2208	rVV2	194128	291080	28.03%	4.310%
29	15.864	2213	2217	2219	rVV	6433	9342	0.90%	0.138%
30	15.893	2219	2222	2225	rVV2	10525	15622	1.50%	0.231%
31	15.929	2225	2228	2233	rVV2	19824	29904	2.88%	0.443%
32	15.982	2233	2237	2239	rVV3	4329	6438	0.62%	0.095%
33	16.023	2239	2244	2247	rVV2	9395	15520	1.49%	0.230%
34	16.058	2247	2250	2258	rVB	21682	31594	3.04%	0.468%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

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-BG121415.M
Title : SVOA CALIBRATION

35	16.205	2267	2275	2283	rBV	23071	48277	4.65%	0.715%
36	16.269	2283	2286	2289	rBV2	3555	4677	0.45%	0.069%
37	16.563	2331	2336	2341	rBV2	8594	10959	1.06%	0.162%
38	16.769	2360	2371	2376	rBV2	16307	33440	3.22%	0.495%
39	16.822	2376	2380	2385	rBV3	5737	7435	0.72%	0.110%
40	16.922	2392	2397	2401	rVB3	5843	9448	0.91%	0.140%
41	16.998	2401	2410	2413	rBV4	4435	10236	0.99%	0.152%
42	17.039	2413	2417	2420	rBV3	4573	5069	0.49%	0.075%
43	17.121	2427	2431	2437	rVB5	3057	5800	0.56%	0.086%
44	17.198	2437	2444	2445	rBV2	5186	7601	0.73%	0.113%
45	17.292	2455	2460	2470	rVB	39865	61773	5.95%	0.915%
46	17.468	2484	2490	2493	rBV2	197688	301256	29.01%	4.461%
47	17.515	2493	2498	2504	rVV	693881	1038586	100.00%	15.378%
48	17.574	2504	2508	2510	rVV	29921	49175	4.73%	0.728%
49	17.603	2510	2513	2518	rVV	68187	92188	8.88%	1.365%
50	17.656	2518	2522	2528	rVV2	5632	9052	0.87%	0.134%
51	17.868	2550	2558	2567	rVV2	51323	102996	9.92%	1.525%
52	17.985	2574	2578	2584	rBV3	7195	10106	0.97%	0.150%
53	18.056	2586	2590	2593	rVB2	3009	4129	0.40%	0.061%
54	18.191	2606	2613	2623	rVB3	2939	6108	0.59%	0.090%
55	18.343	2632	2639	2643	rBV	33696	46874	4.51%	0.694%
56	18.390	2643	2647	2655	rVB	48293	67603	6.51%	1.001%
57	18.473	2655	2661	2665	rBV2	14966	22687	2.18%	0.336%
58	18.543	2665	2673	2677	rBV2	70235	119185	11.48%	1.765%
59	18.684	2693	2697	2702	rVV	3755	4871	0.47%	0.072%
60	18.772	2709	2712	2716	rVB4	2938	4261	0.41%	0.063%
61	18.837	2716	2723	2728	rBV	29784	39913	3.84%	0.591%
62	19.078	2761	2764	2769	rVV4	4265	5479	0.53%	0.081%
63	19.254	2789	2794	2799	rBV4	6814	12213	1.18%	0.181%
64	19.319	2799	2805	2807	rBV4	5133	8264	0.80%	0.122%
65	19.519	2832	2839	2845	rBV	387281	534660	51.48%	7.916%
66	19.577	2845	2849	2851	rVV3	3667	5463	0.53%	0.081%
67	19.613	2851	2855	2859	rVV	6809	8515	0.82%	0.126%
68	19.759	2873	2880	2885	rVV2	9146	16950	1.63%	0.251%
69	19.848	2889	2895	2897	rBV2	70010	109594	10.55%	1.623%
70	19.877	2897	2900	2908	rVV	246449	347725	33.48%	5.149%
71	19.947	2908	2912	2917	rVB3	9190	14304	1.38%	0.212%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

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-BG121415.M
Title : SVOA CALIBRATION

72	20.053	2926	2930	2935	rVB	11746	15772	1.52%	0.234%
73	20.118	2935	2941	2946	rVB	9477	13901	1.34%	0.206%
74	20.200	2948	2955	2960	rBV4	9536	21747	2.09%	0.322%
75	20.253	2960	2964	2968	rVB	7776	9534	0.92%	0.141%
76	20.371	2971	2984	2988	rBV	33416	59973	5.77%	0.888%
77	20.465	2994	3000	3004	rBV	38616	55716	5.36%	0.825%
78	20.523	3004	3010	3014	rVV5	9885	20088	1.93%	0.297%
79	20.564	3014	3017	3020	rVV	5731	6734	0.65%	0.100%
80	20.611	3020	3025	3029	rVB6	2856	4946	0.48%	0.073%
81	20.664	3029	3034	3038	rBV3	3975	7675	0.74%	0.114%
82	20.711	3038	3042	3046	rBV3	4638	7330	0.71%	0.109%
83	20.899	3070	3074	3077	rBV3	3193	4818	0.46%	0.071%
84	21.087	3101	3106	3108	rBV4	3987	5361	0.52%	0.079%
85	21.140	3112	3115	3119	rVV4	2763	4833	0.47%	0.072%
86	21.316	3142	3145	3149	rBV	8067	10728	1.03%	0.159%
87	21.363	3149	3153	3157	rVV2	8573	11145	1.07%	0.165%
88	21.416	3157	3162	3167	rVV3	8195	15449	1.49%	0.229%
89	21.616	3195	3196	3203	rVB5	3700	4190	0.40%	0.062%
90	21.745	3203	3218	3223	rBV2	273539	547018	52.67%	8.099%
91	21.792	3223	3226	3237	rVB	41435	66000	6.35%	0.977%
92	21.945	3247	3252	3259	rVB3	9464	17345	1.67%	0.257%
93	22.163	3284	3289	3293	rBV5	3317	6228	0.60%	0.092%
94	23.978	3589	3598	3607	rBV2	10663	37678	3.63%	0.558%
95	24.037	3607	3608	3618	rVB6	6301	12885	1.24%	0.191%
96	24.712	3717	3723	3730	rVV5	4760	10718	1.03%	0.159%
97	24.795	3730	3737	3742	rVV3	5199	11792	1.14%	0.175%
98	24.859	3743	3748	3754	rVB3	4767	10997	1.06%	0.163%
99	25.018	3765	3775	3792	rBV	130782	383419	36.92%	5.677%
100	27.544	4203	4205	4212	rVB6	2396	4598	0.44%	0.068%

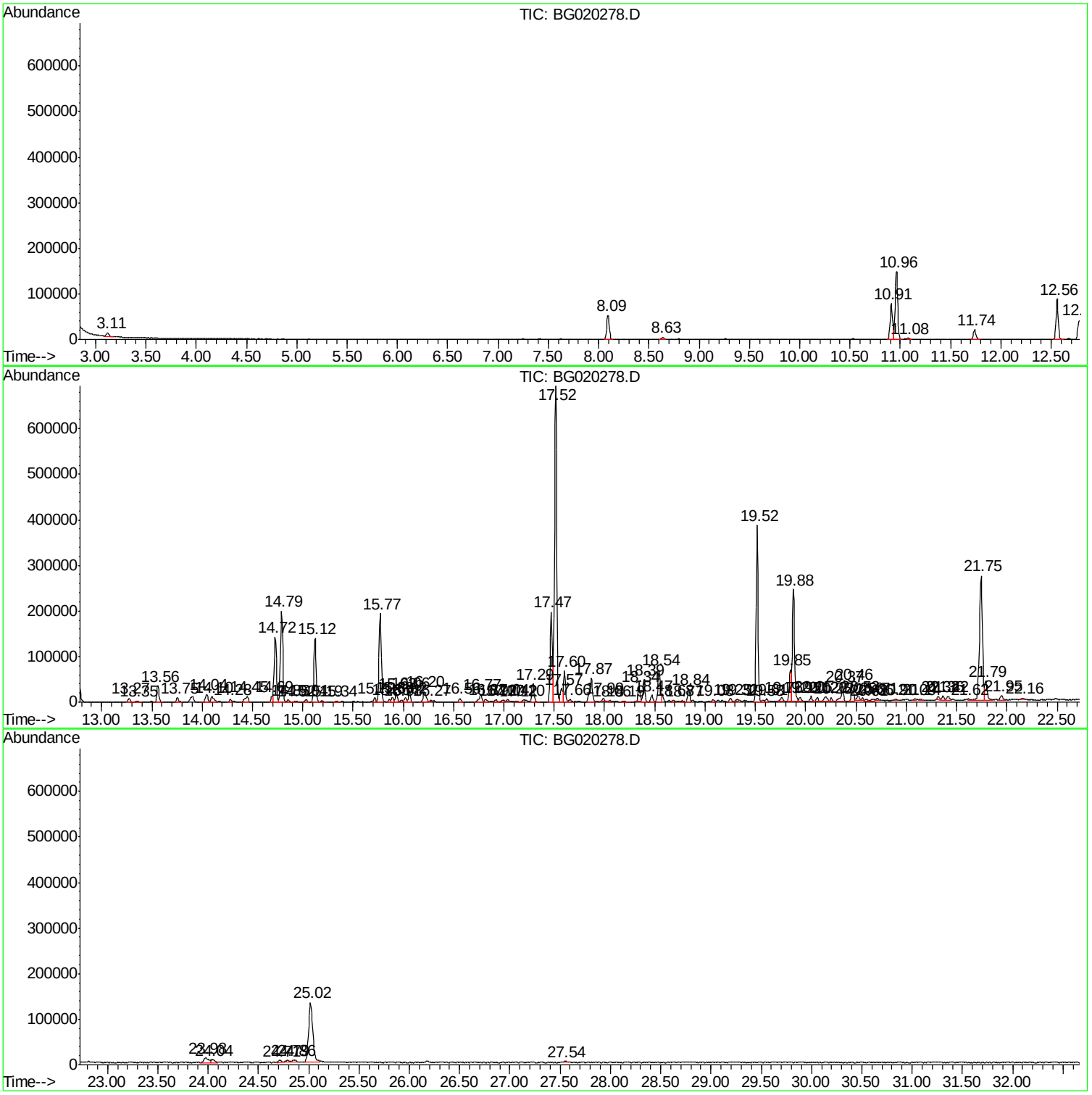
Sum of corrected areas: 6753813

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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\BG121915\
Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

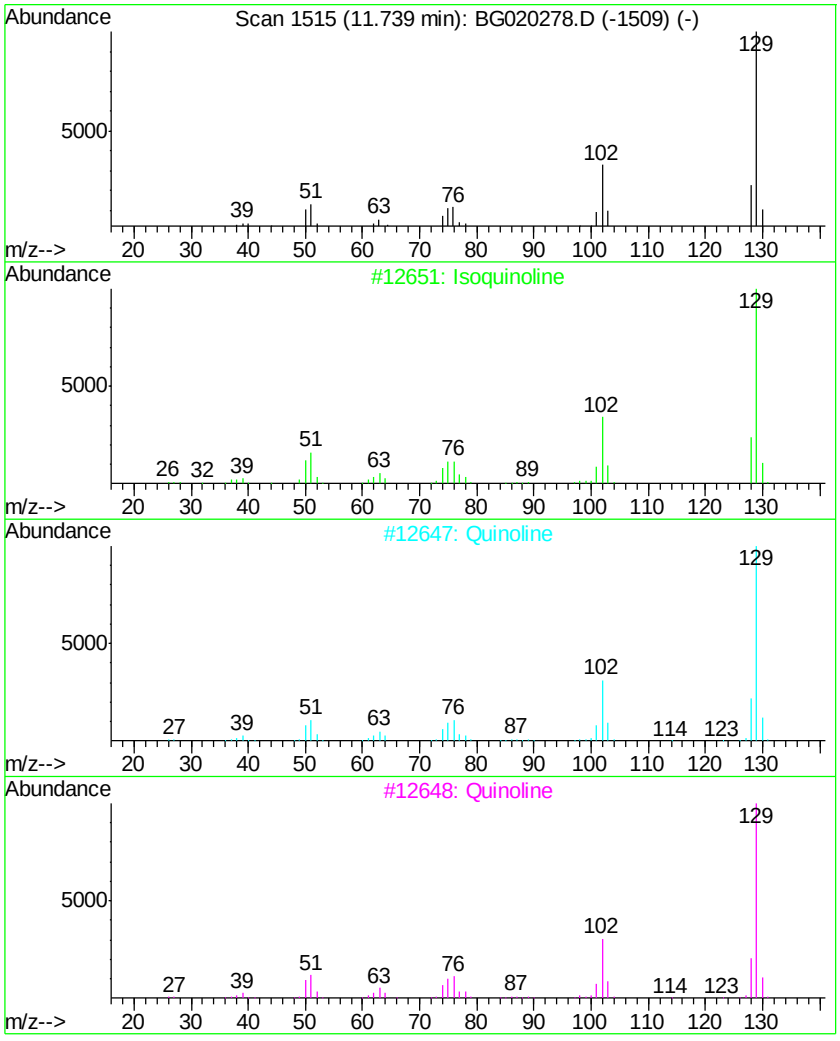
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

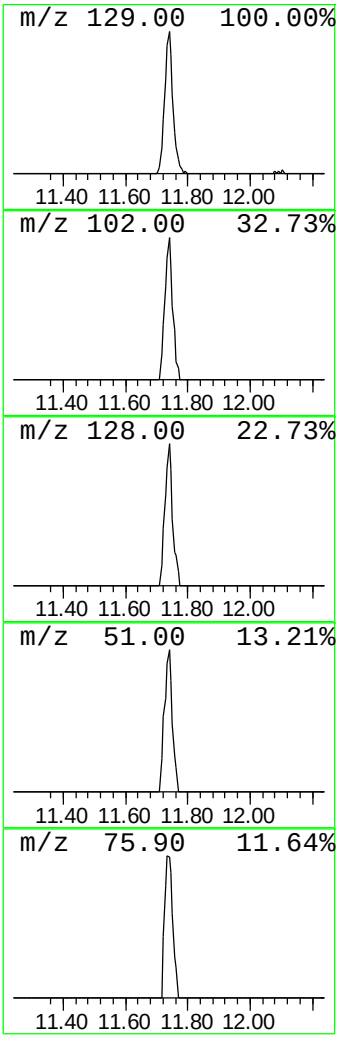
****

Peak Number 2 Isoquinoline Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	5.13 ng/ul	36531	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline	129	C9H7N	000119-65-3	97
2	Quinoline	129	C9H7N	000091-22-5	97
3	Quinoline	129	C9H7N	000091-22-5	96
4	Quinoline	129	C9H7N	000091-22-5	95
5	Isoquinoline	129	C9H7N	000119-65-3	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

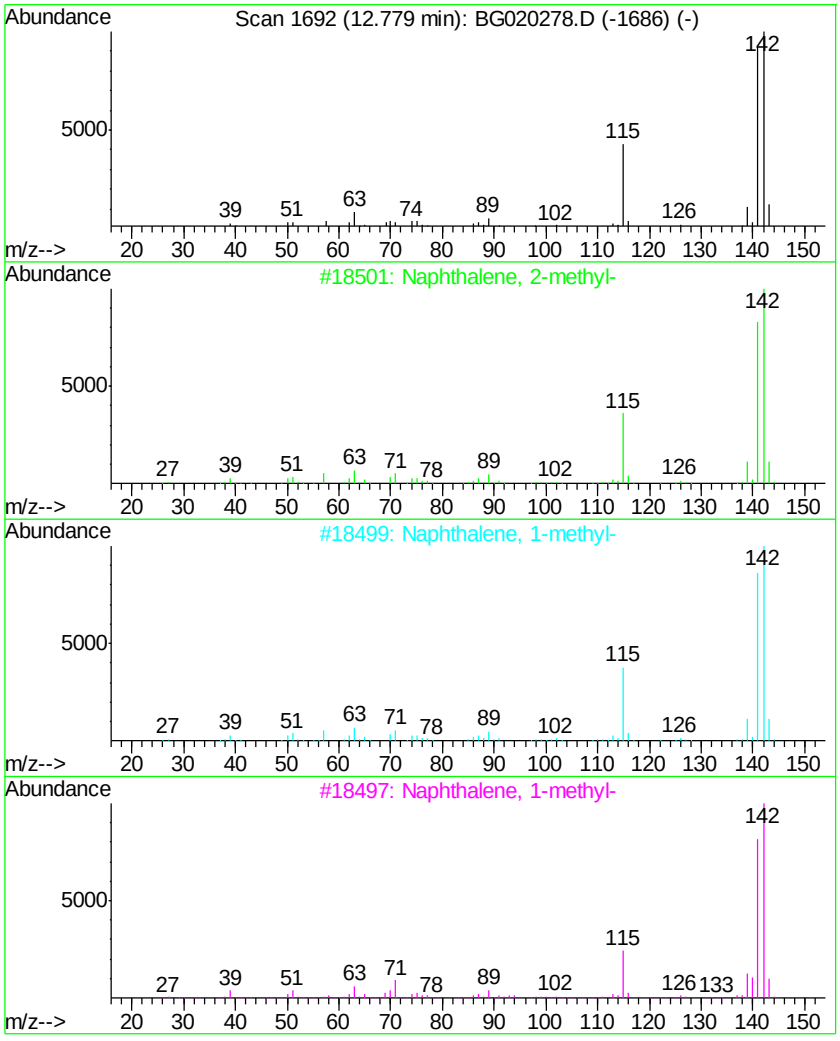
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

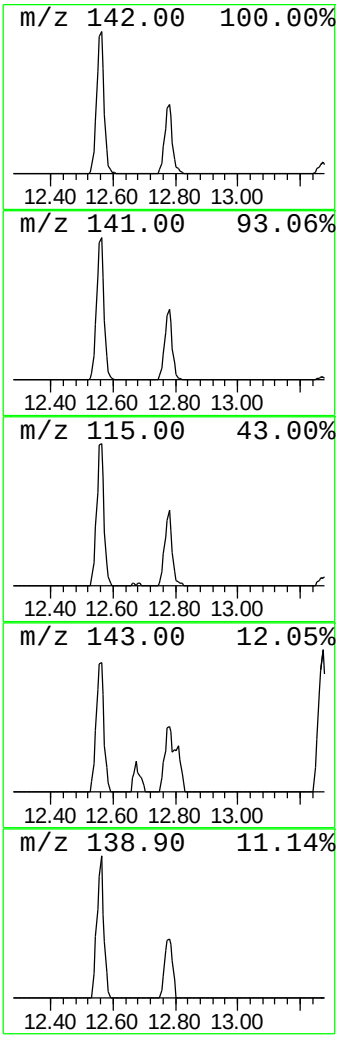
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	10.28 ng/ul	73155	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

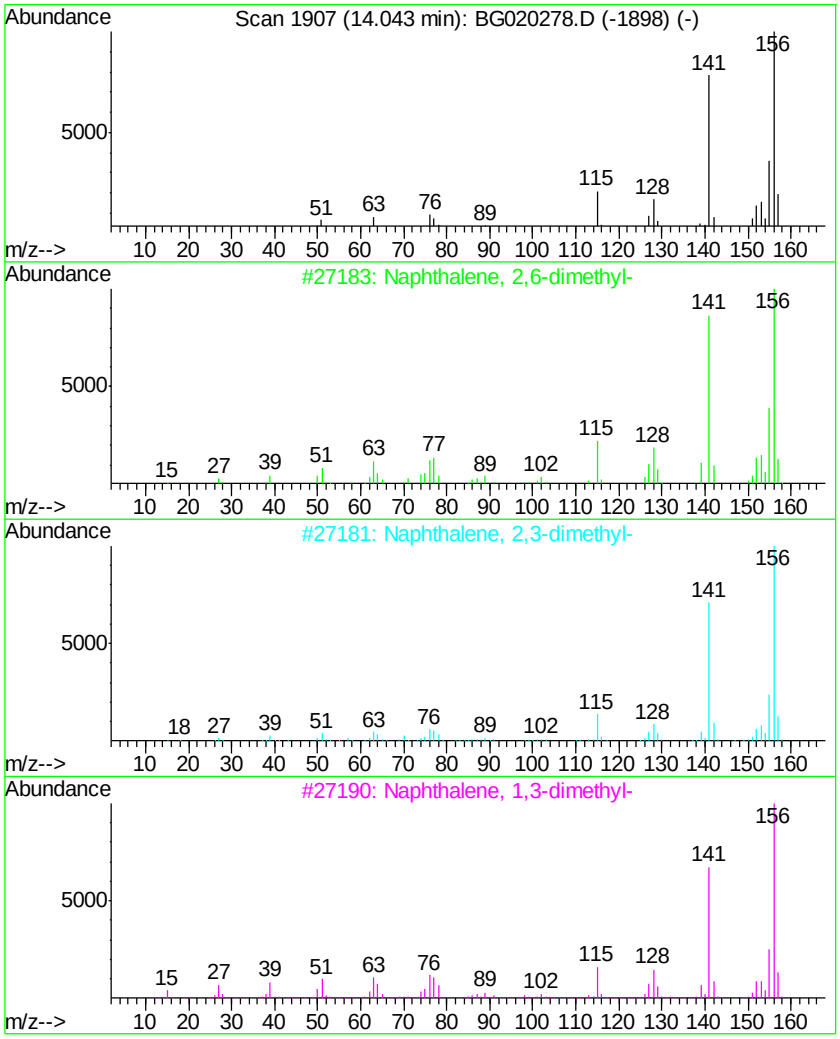
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

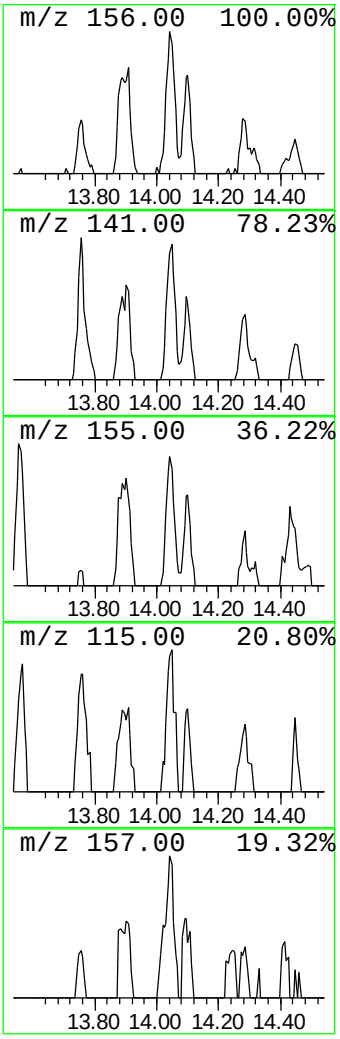
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	2.69 ng/ul	30470	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

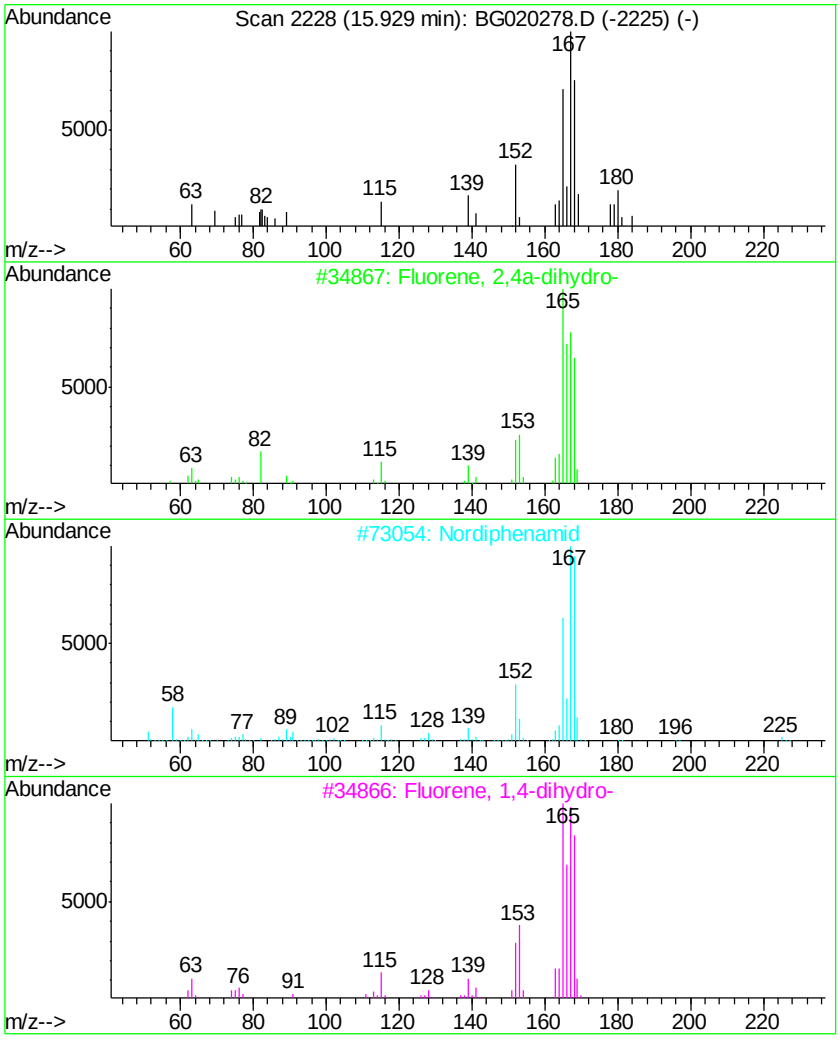
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

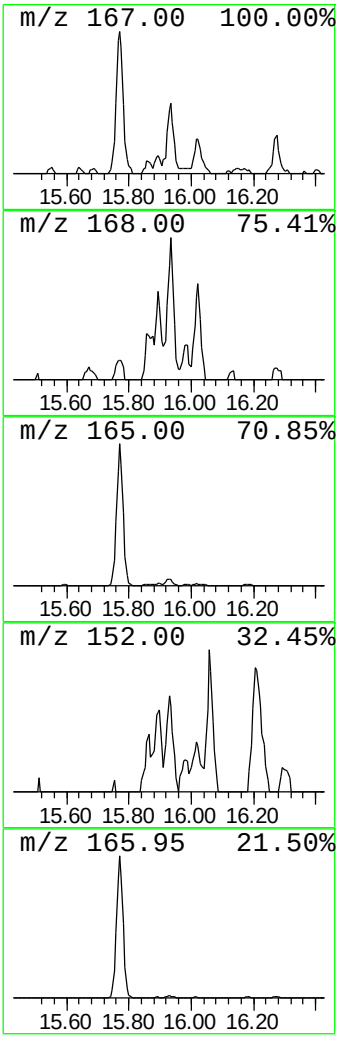
****

Peak Number 5 Fluorene, 2,4a-dihydro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	2.64 ng/ul	29904	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	64
2	Nordiphenamid	225	C15H15NO	000954-21-2	56
3	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	50
4	Benzene, 1,1'-(2,2-dichloroethyl...	250	C14H12Cl2	002387-16-8	43
5	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	42





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

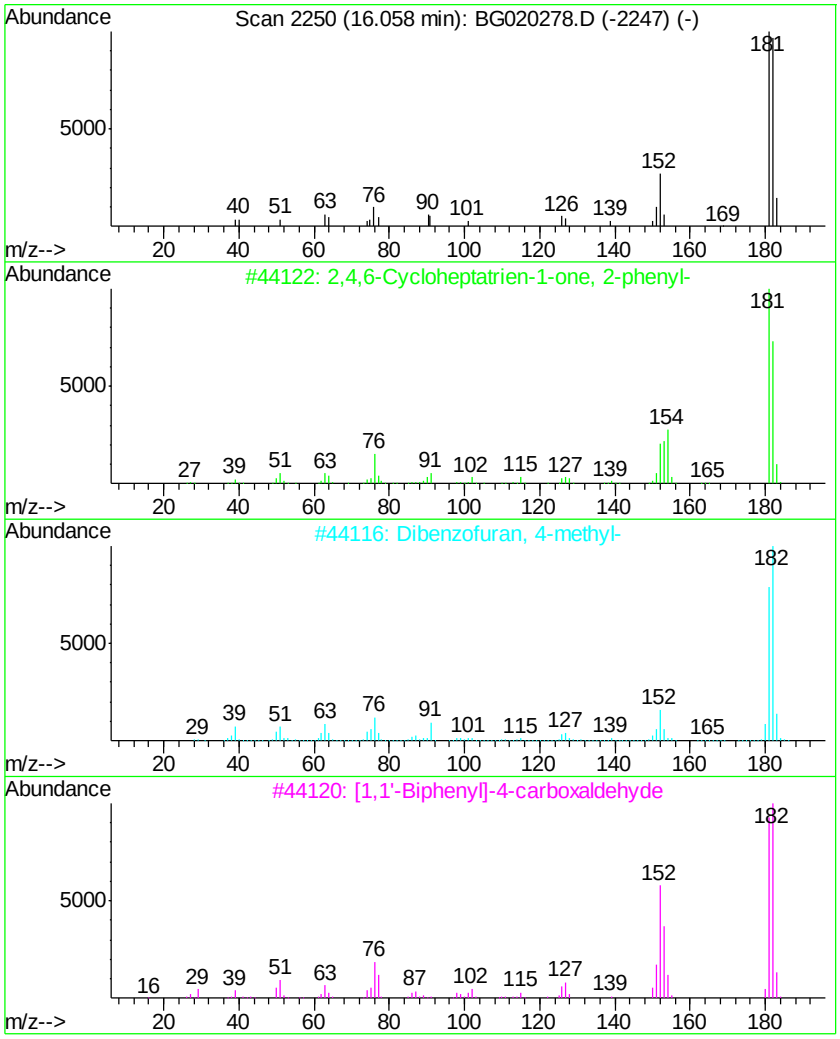
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

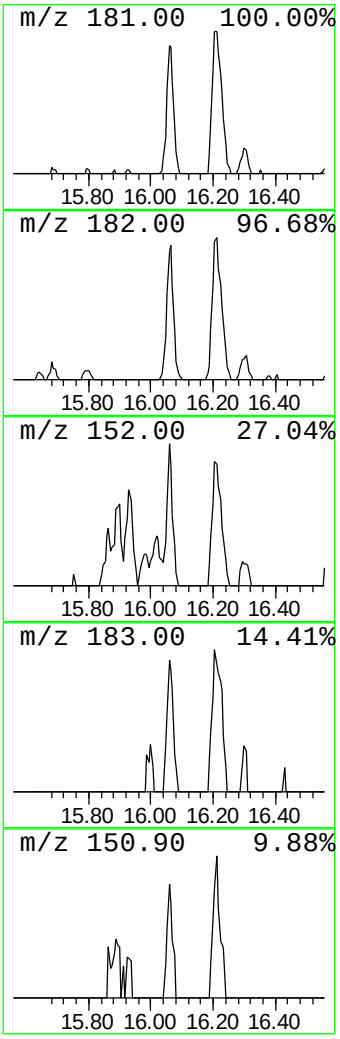
****

Peak Number 6 2,4,6-Cycloheptatrien-1-one... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.79 ng/ul	31594	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

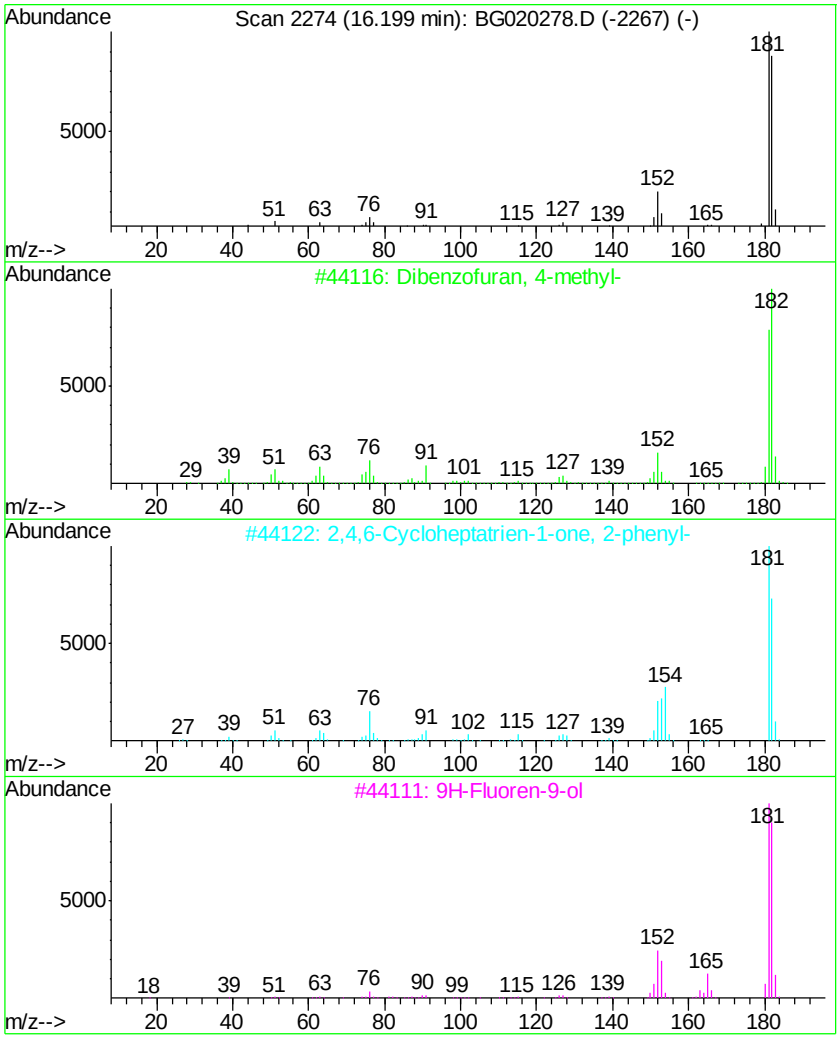
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

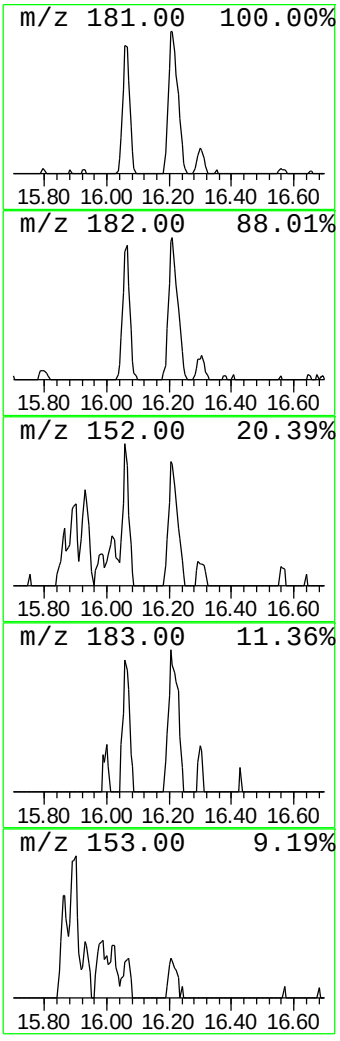
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	3.21 ng/ul	48277	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

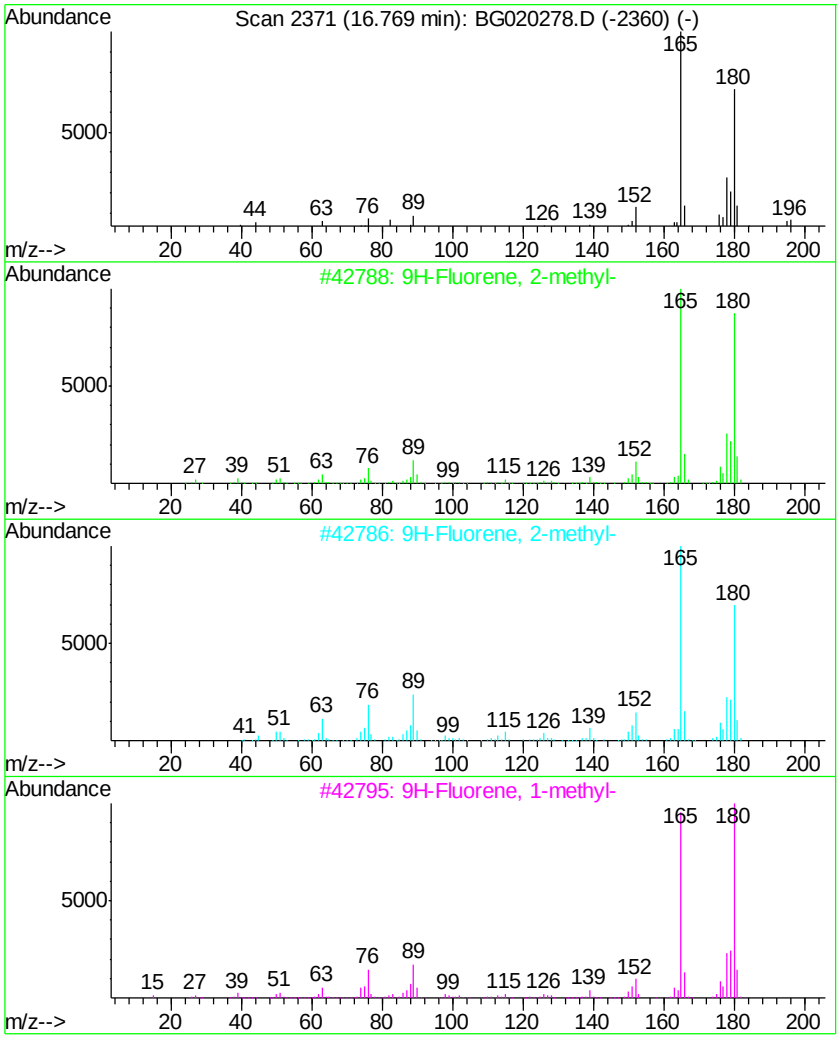
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

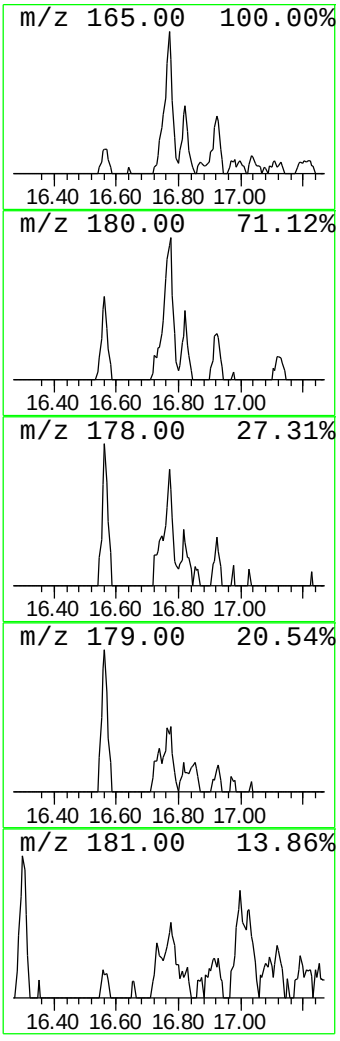
****

Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	2.22 ng/ul	33440	Phenanthrene-d10	17.47

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





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Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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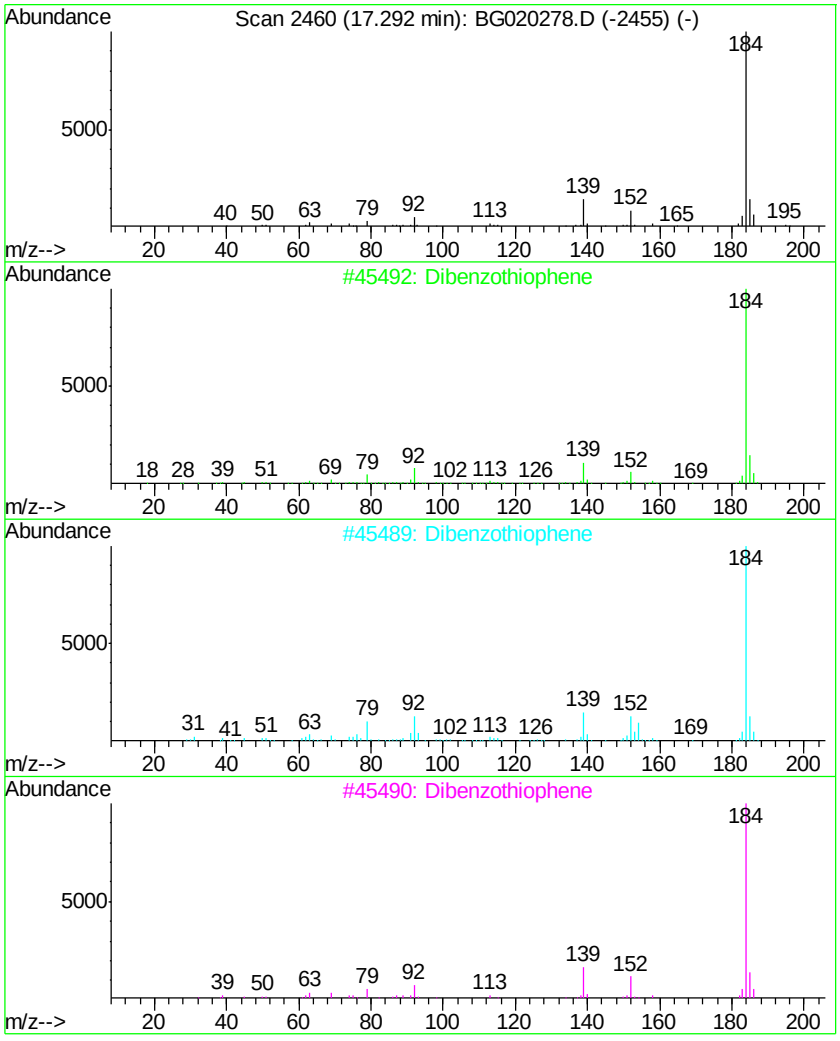
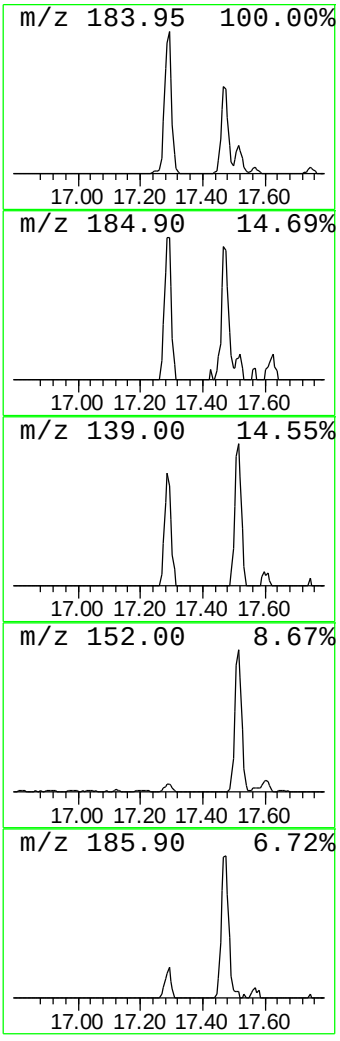
Peak Number 9 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	4.10 ng/ul	61773	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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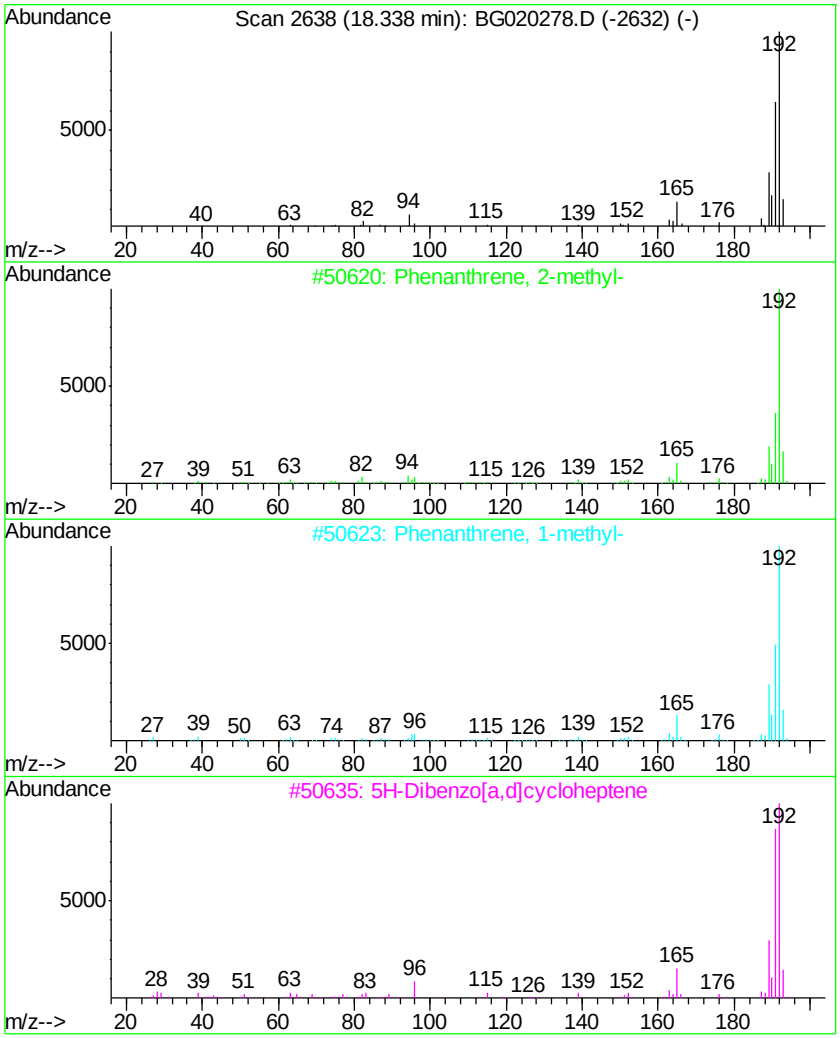
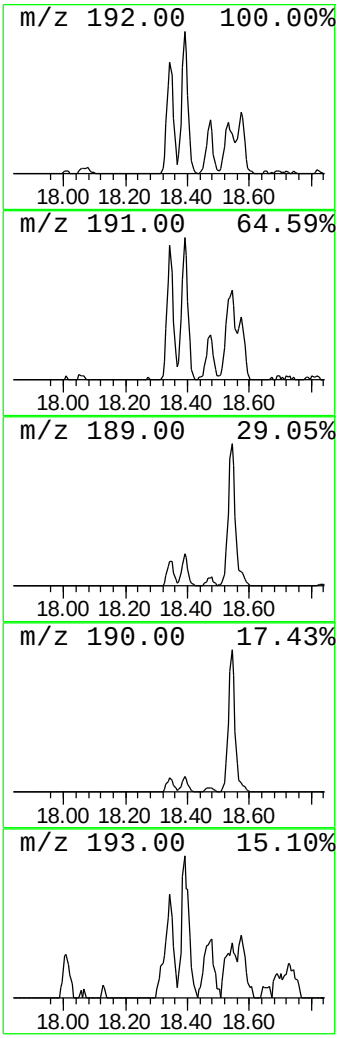
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	3.11 ng/ul	46874	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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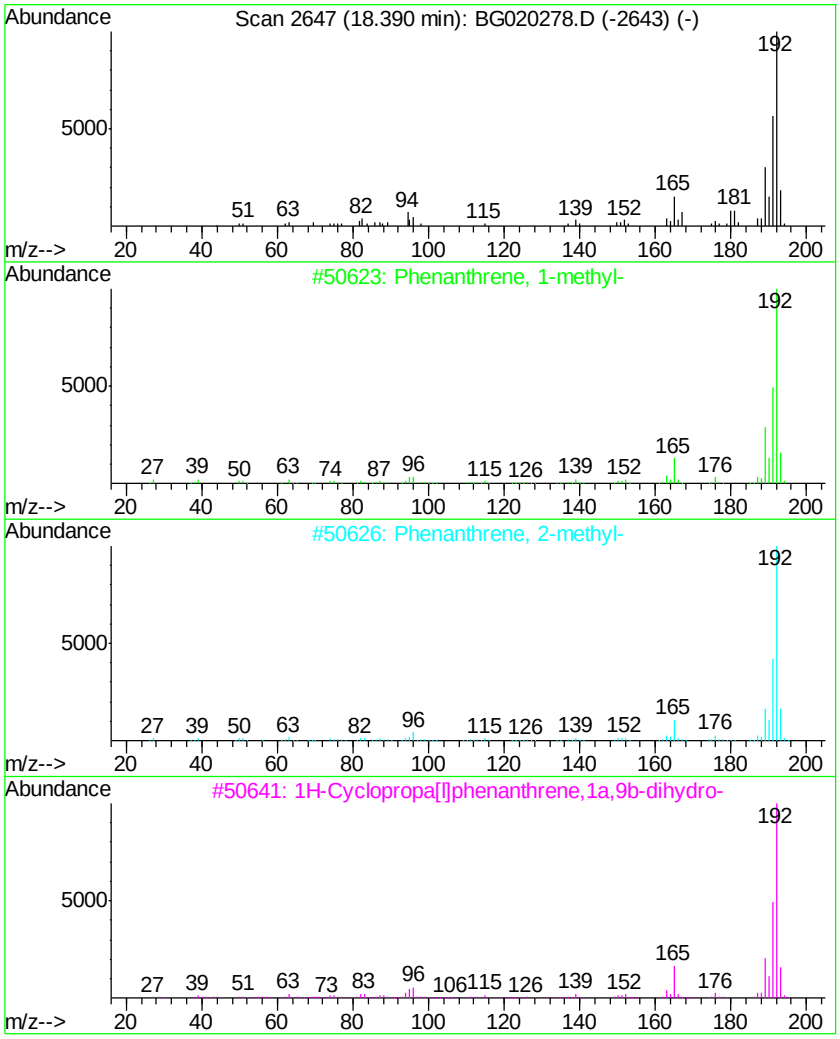
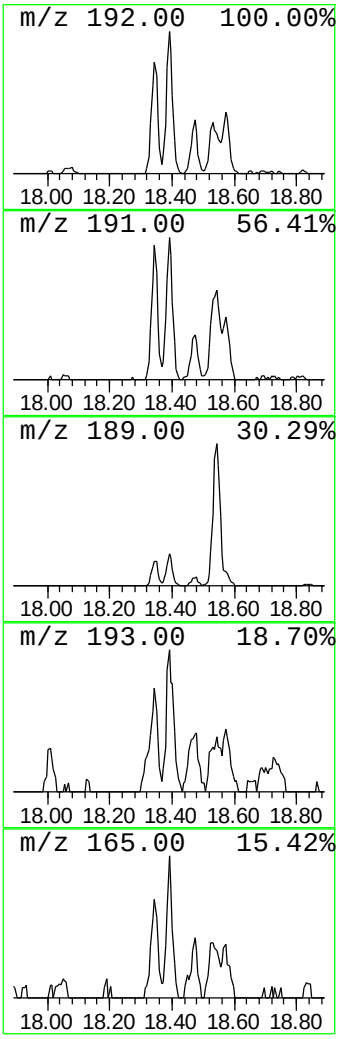
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	4.49 ng/ul	67603	Phenanthrene-d10	17.47

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





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Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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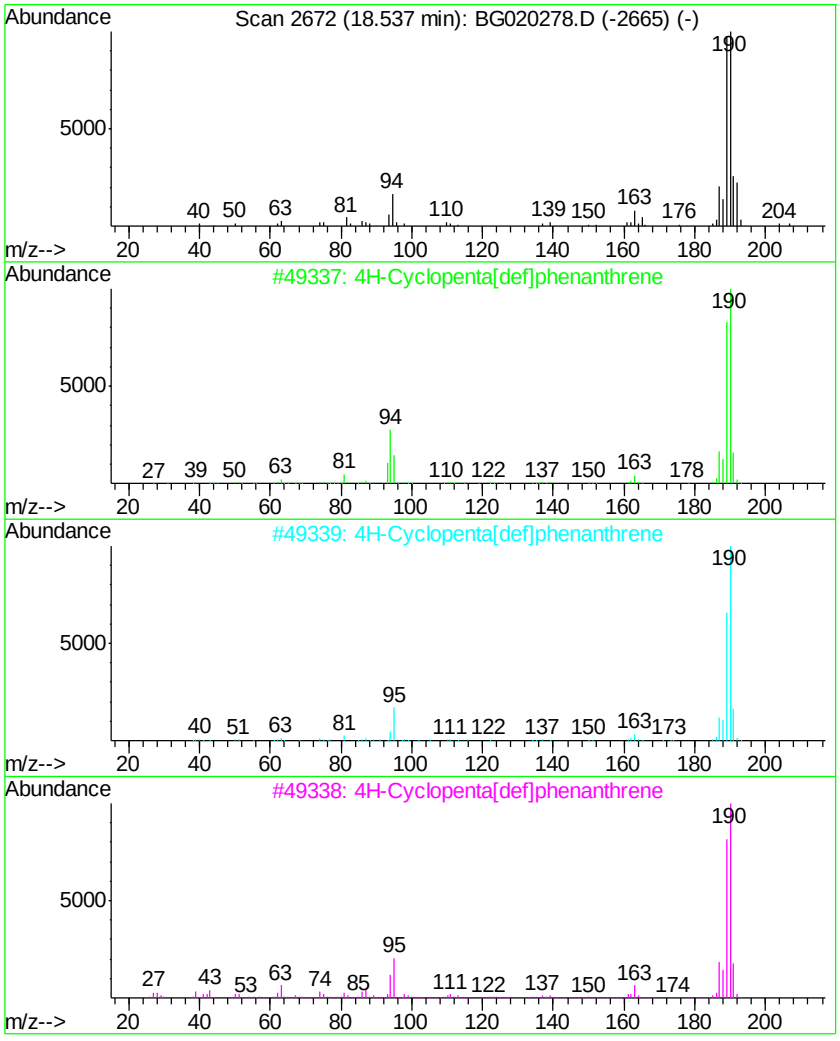
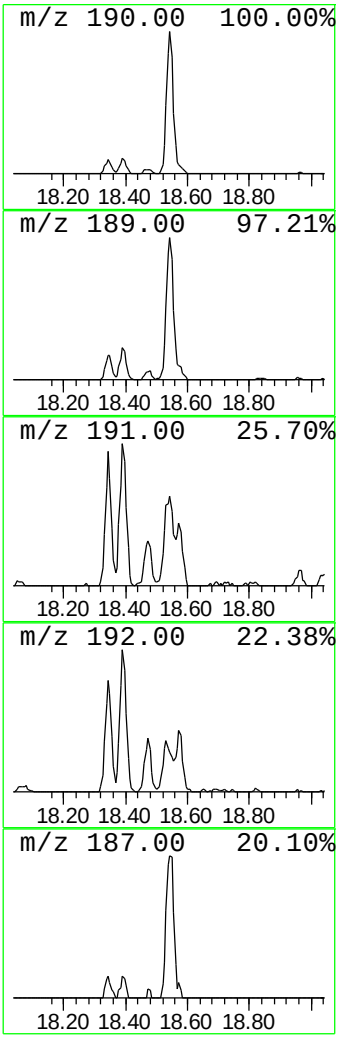
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	7.91 ng/ul	119185	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





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Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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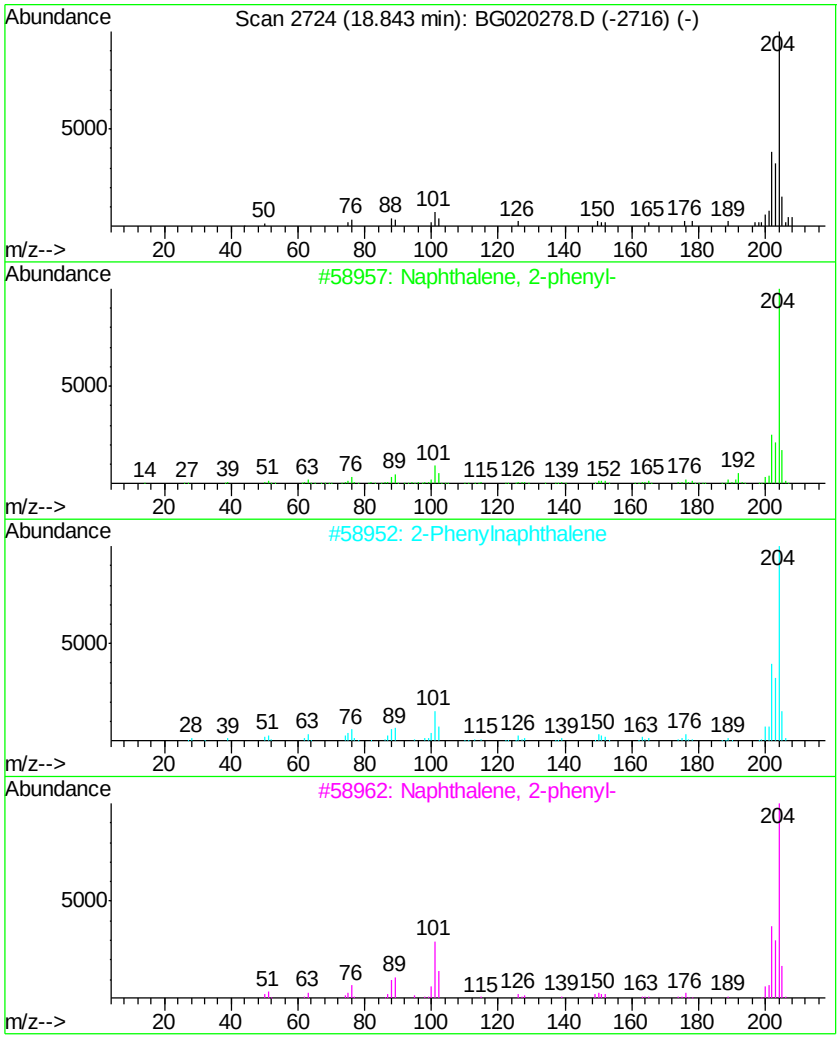
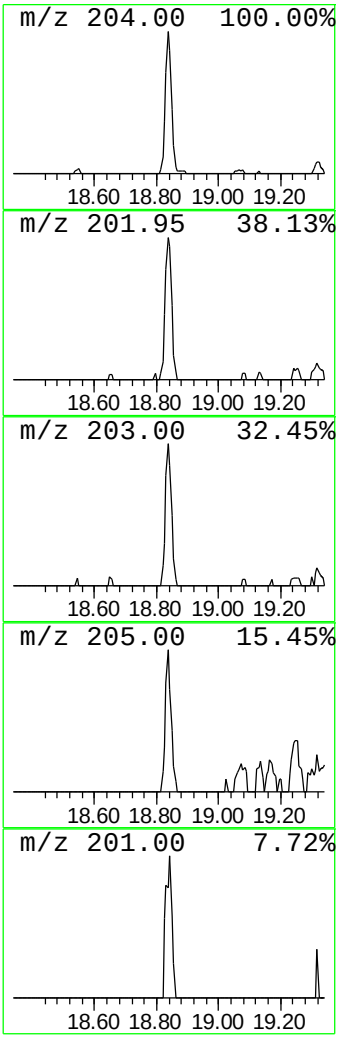
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	2.65 ng/ul	39913	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78





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Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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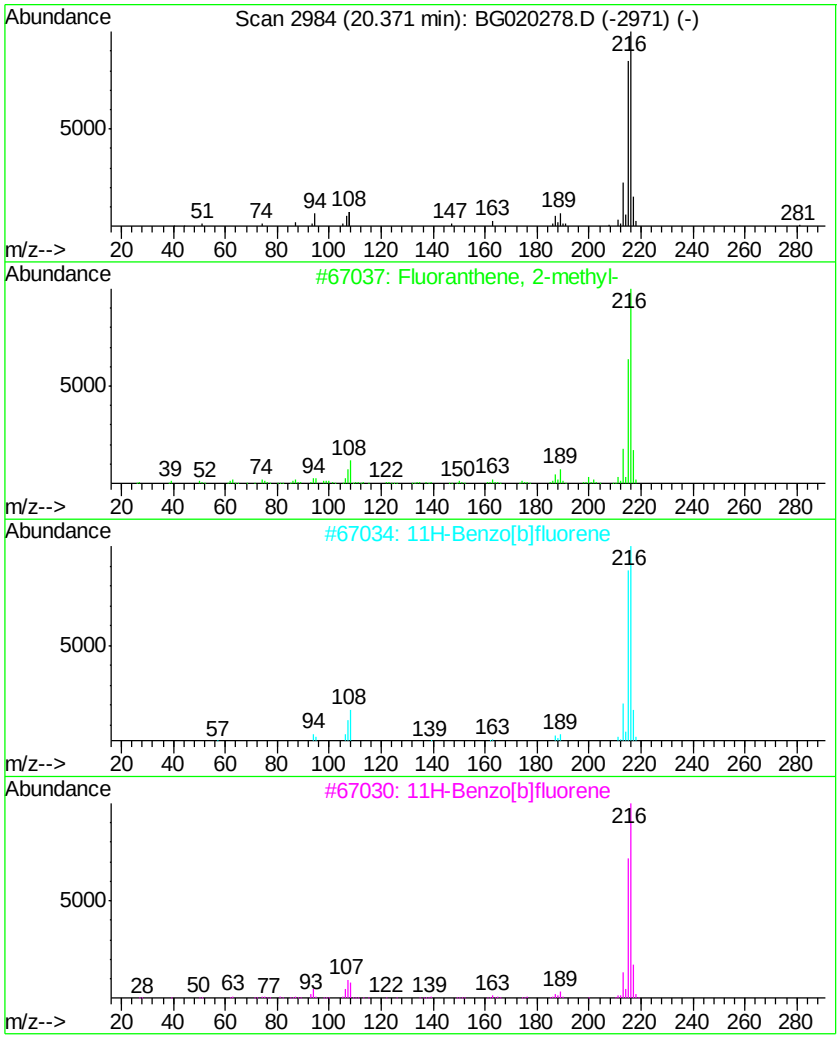
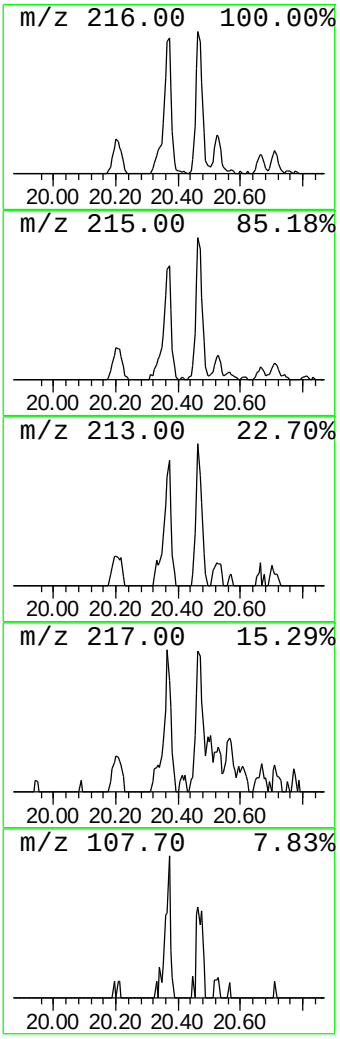
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	2.19 ng/ul	59973	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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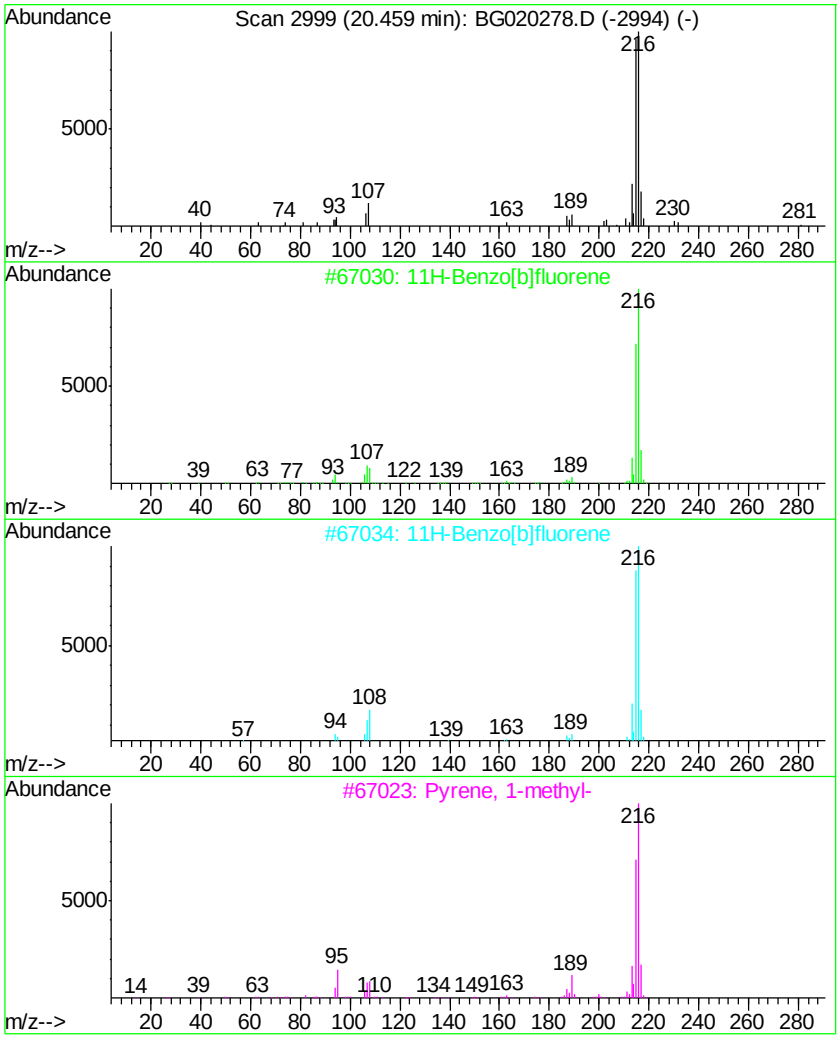
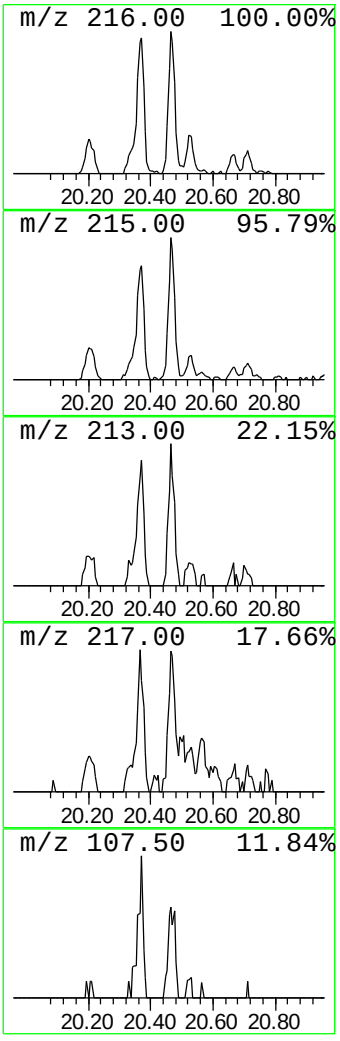
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.46	2.04 ng/ul	55716	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92





Tentatively Identified Compound (LSC) summary

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Data File : BG020278.D
Acq On : 18 Dec 2015 16:57
Operator : UM/SJ
Sample : G4767-18DL2 30X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40DL2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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
Isoquinoline	11.74	5.1	ng/ul	36531	2	10.91	142311	20.0
Naphthalene, 1-me...	12.78	10.3	ng/ul	73155	2	10.91	142311	20.0
Naphthalene, 2,6-...	14.04	2.7	ng/ul	30470	3	14.72	226403	20.0
Fluorene, 2,4a-di...	15.93	2.6	ng/ul	29904	3	14.72	226403	20.0
2,4,6-Cycloheptat...	16.06	2.8	ng/ul	31594	3	14.72	226403	20.0
Dibenzofuran, 4-m...	16.20	3.2	ng/ul	48277	4	17.47	301256	20.0
9H-Fluorene, 2-me...	16.77	2.2	ng/ul	33440	4	17.47	301256	20.0
Dibenzothiophene	17.29	4.1	ng/ul	61773	4	17.47	301256	20.0
Phenanthrene, 2-m...	18.34	3.1	ng/ul	46874	4	17.47	301256	20.0
Phenanthrene, 1-m...	18.39	4.5	ng/ul	67603	4	17.47	301256	20.0
4H-Cyclopenta[def...	18.54	7.9	ng/ul	119185	4	17.47	301256	20.0
Naphthalene, 2-ph...	18.84	2.6	ng/ul	39913	4	17.47	301256	20.0
Fluoranthene, 2-m...	20.37	2.2	ng/ul	59973	5	21.75	547018	20.0
11H-Benzo[b]fluorene	20.46	2.0	ng/ul	55716	5	21.75	547018	20.0