LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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	3.120	43	48	56	rVB2	9489	18348	1.79%	0.241%
2	8.091	888	894	901	rBV	56896	96266	9.38%	1.267%
3	8.637	982	987	992	rBV	5668	9101	0.89%	0.120%
4	10.911	1366	1374	1378	rBV	85257	155675	15.17%	2.049%
5	10.964	1378	1383	1391	rVV	170303	300195	29.25%	3.951%
6	11.081	1399	1403	1409	rVB	4489	6604	0.64%	0.087%
7	11.739	1509	1515	1521	rBV	21122	37093	3.61%	0.488%
8	12.556	1647	1654	1662	rBB	98252	158555	15.45%	2.087%
9	12.779	1683	1692	1701	rBV	46369	79313	7.73%	1.044%
10	13.273	1770	1776	1783	rVB2	6966	11634	1.13%	0.153%
11	13.561	1818	1825	1831	rBV	38302	57382	5.59%	0.755%
12	13.755	1853	1858	1867	rVB2	9736	15613	1.52%	0.205%
13	13.890	1875	1881	1889	rBB2	13501	33265	3.24%	0.438%
14	14.043	1900	1907	1912	rBV2	18297	33329	3.25%	0.439%
15	14.096	1912	1916	1925	rVV3	13217	29629	2.89%	0.390%
16	14.284	1943	1948	1952	rBV2	6903	11063	1.08%	0.146%
17	14.442	1966	1975	1981	rBV5	13368	31358	3.06%	0.413%
18	14.689	2012	2017	2018	rVV	13319	13316	1.30%	0.175%
19	14.724	2018	2023	2029	rVV2	147997	242291	23.61%	3.189%
20	14.789	2029	2034	2041	rVV	212605	326367	31.80%	4.296%
21	14.853	2041	2045	2050	rVV2	8802	12449	1.21%	0.164%
22	14.918	2053	2056	2063	rBV3	3749	7264	0.71%	0.096%
23	15.030	2071	2075	2080	rVV2	6141	8981	0.88%	0.118%
24	15.124	2084	2091	2098	rVV	143478	223664	21.79%	2.944%
25	15.711	2187	2191	2195	rVV2	11085	15880	1.55%	0.209%
26	15.770	2195	2201	2210	rVV	195604	293037	28.56%	3.857%
27	15.864	2212	2217	2219	rVV3	6152	10296	1.00%	0.136%
28	15.893	2219	2222	2225	rVV2	11931	16516	1.61%	0.217%
29	15.929	2225	2228	2233	rVV2	20846	30864	3.01%	0.406%
30	15.982	2233	2237	2239	rVV2	4053	5843	0.57%	0.077%
31	16.023	2239	2244	2247	rVV3	9441	16381	1.60%	0.216%
32	16.058	2247	2250	2257	rVB	22923	32826	3.20%	0.432%
33	16.205	2265	2275	2284	rBV	24082	50343	4.91%	0.663%
34	16.563	2332	2336	2341	rVB	8383	11460	1.12%	0.151%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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	16.769	2358	2371	2376	rBV3	16485	36272	3.53%	0.477%
36	16.822	2376	2380	2386	rVV3	6559	10587	1.03%	0.139%
37	16.922	2393	2397	2403	rVV3	5992	9462	0.92%	0.125%
38	16.998	2407	2410	2413	rVV3	4818	6999	0.68%	0.092%
39	17.039	2413	2417	2420	rVV3	6210	9526	0.93%	0.125%
40	17.121	2427	2431	2436	rVV3	3962	6437	0.63%	0.085%
41	17.192	2438	2443	2452	rVV5	6059	16145	1.57%	0.213%
42	17.286	2455	2459	2469	rVB	42662	63367	6.17%	0.834%
43	17.468	2484	2490	2493	rBV	198526	303915	29.62%	4.000%
44	17.515	2493	2498	2504	rVV	693778	1026219	100.00%	13.507%
45	17.568	2504	2507	2509	rVV2	28015	36124	3.52%	0.475%
46	17.603	2509	2513	2518	rVV	61338	88864	8.66%	1.170%
47	17.656	2518	2522	2528	rVV4	3647	6837	0.67%	0.090%
48	17.868	2548	2558	2569	rBV2	46593	87510	8.53%	1.152%
49	17.985	2574	2578	2584	rVV3	7578	12060	1.18%	0.159%
50	18.191	2607	2613	2620	rVB4	3260	7732	0.75%	0.102%
51	18.344	2634	2639	2643	rVV	33620	50969	4.97%	0.671%
52	18.391	2643	2647	2653	rVB	50851	71230	6.94%	0.938%
53	18.473	2653	2661	2666	rBV	15031	24957	2.43%	0.328%
54	18.543	2666	2673	2683	rVV3	72334	139543	13.60%	1.837%
55	18.837	2718	2723	2727	rVV	29395	39201	3.82%	0.516%
56	19.078	2759	2764	2769	rVV3	4829	7563	0.74%	0.100%
57	19.248	2788	2793	2799	rBV2	8148	15093	1.47%	0.199%
58	19.313	2799	2804	2814	rVB6	4487	10850	1.06%	0.143%
59	19.519	2833	2839	2845	rVV	389976	545618	53.17%	7.181%
60	19.613	2851	2855	2858	rVV3	5552	7833	0.76%	0.103%
61	19.759	2877	2880	2886	rVB	10381	15036	1.47%	0.198%
62	19.848	2889	2895	2897	rBV2	76141	119517	11.65%	1.573%
63	19.877	2897	2900	2908	rVV	251305	351508	34.25%	4.627%
64	19.948	2908	2912	2917	rVB2	9908	15779	1.54%	0.208%
65	20.053	2925	2930	2935	rBV	11821	17018	1.66%	0.224%
66	20.118	2937	2941	2945	rVB2	5899	8763	0.85%	0.115%
67	20.206	2946	2956	2960	rBV5	9568	24346	2.37%	0.320%
68	20.253	2960	2964	2970	rVB	8351	9913	0.97%	0.130%
69	20.365	2970	2983	2990	rBV2	40587	69775	6.80%	0.918%
70	20.465	2993	3000	3004	rBV	44154	60714	5.92%	0.799%
71	20.523	3004	3010	3014	rVV5	11140	22592	2.20%	0.297%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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	20.564	3014	3017	3020	rVV	6868	8649	0.84%	0.114%
73	20.600	3020	3023	3028	rVB4	3610	5843	0.57%	0.077%
74	20.664	3029	3034	3037	rBV2	5021	7194	0.70%	0.095%
75	20.711	3037	3042	3045	rVV2	5705	9627	0.94%	0.127%
76	20.899	3069	3074	3079	rBV5	4243	7046	0.69%	0.093%
77	21.317	3141	3145	3149	rVV	9755	15184	1.48%	0.200%
78	21.363	3149	3153	3157	rVV2	10607	16180	1.58%	0.213%
79	21.410	3157	3161	3166	rVV4	9022	17093	1.67%	0.225%
80	21.616	3192	3196	3203	rVB5	7191	11732	1.14%	0.154%
81	21.745	3203	3218	3223	rBV2	284789	567843	55.33%	7.474%
82	21.792	3223	3226	3235	rVB	46559	71283	6.95%	0.938%
83	21.945	3244	3252	3257	rBV2	9953	19491	1.90%	0.257%
84	22.157	3284	3288	3296	rVB4	4986	9250	0.90%	0.122%
85	22.486	3338	3344	3348	rVV6	11325	20962	2.04%	0.276%
86	22.533	3350	3352	3362	rVB9	3857	9144	0.89%	0.120%
87	23.244	3468	3473	3478	rVV6	4190	8211	0.80%	0.108%
88	23.373	3487	3495	3505	rBV3	23226	57378	5.59%	0.755%
89	23.972	3588	3597	3605	rBV2	12400	40024	3.90%	0.527%
90	24.049	3605	3610	3618	rVB7	10260	25685	2.50%	0.338%
91	24.448	3666	3678	3693	rBV4	34701	130187	12.69%	1.714%
92	24.713	3714	3723	3727	rBV3	5232	13536	1.32%	0.178%
93	24.783	3731	3735	3742	rVV4	7858	17813	1.74%	0.234%
94	24.859	3742	3748	3755	rVB	7186	17813	1.74%	0.234%
95	25.018	3763	3775	3788	rBV3	136949	408659	39.82%	5.379%
96	25.764	3888	3902	3928	rBV4	32431	196286	19.13%	2.584%
97	26.170	3964	3971	3972	rBV6	7298	14216	1.39%	0.187%
98	27.403	4168	4181	4184	rBV6	20499	73030	7.12%	0.961%
99	29.431	4519	4526	4527	rBV5	3593	7316	0.71%	0.096%
100	29.513	4527	4540	4545	rVV5	7563	32837	3.20%	0.432%

Sum of corrected areas: 7597587

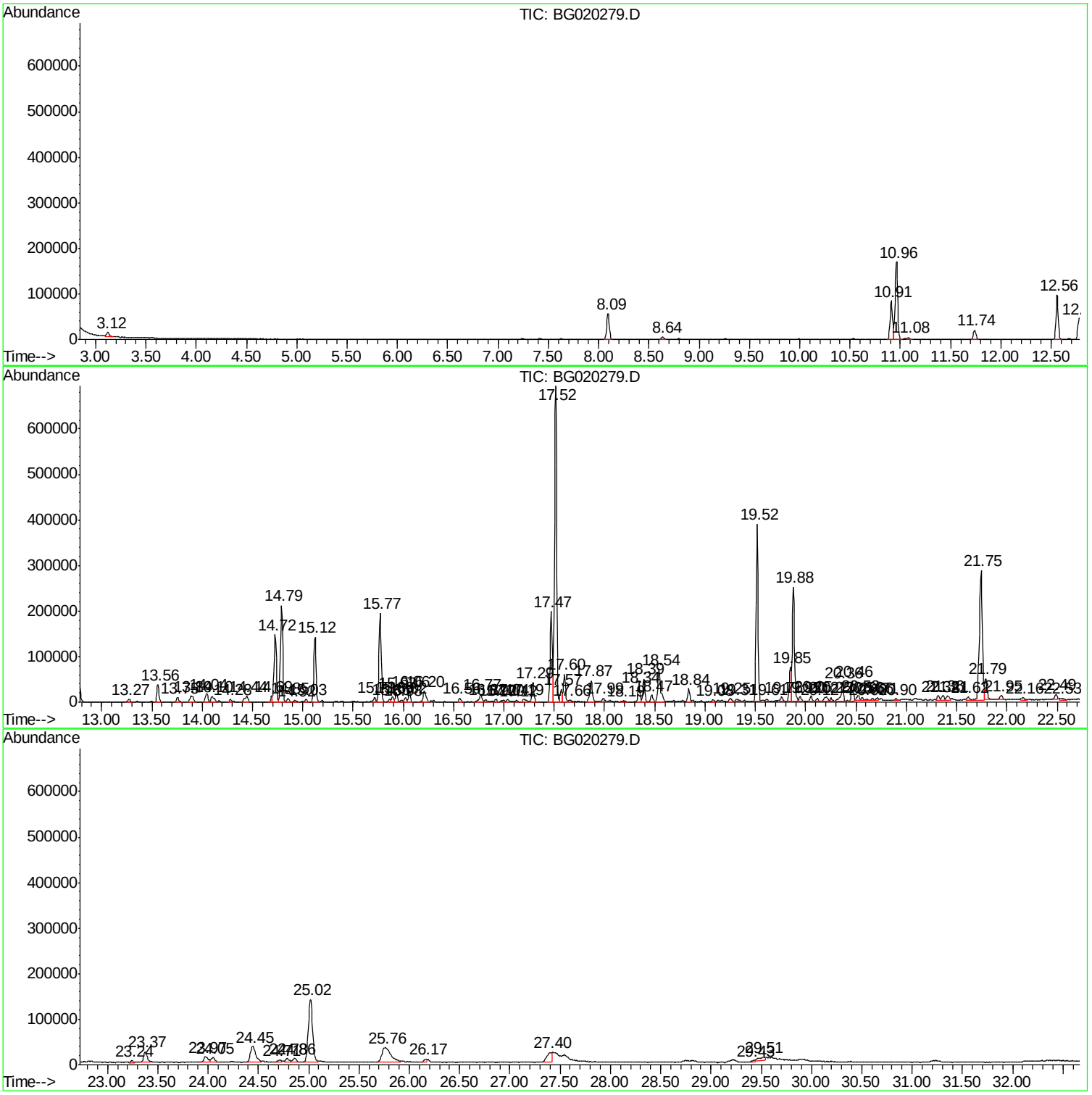
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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 : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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

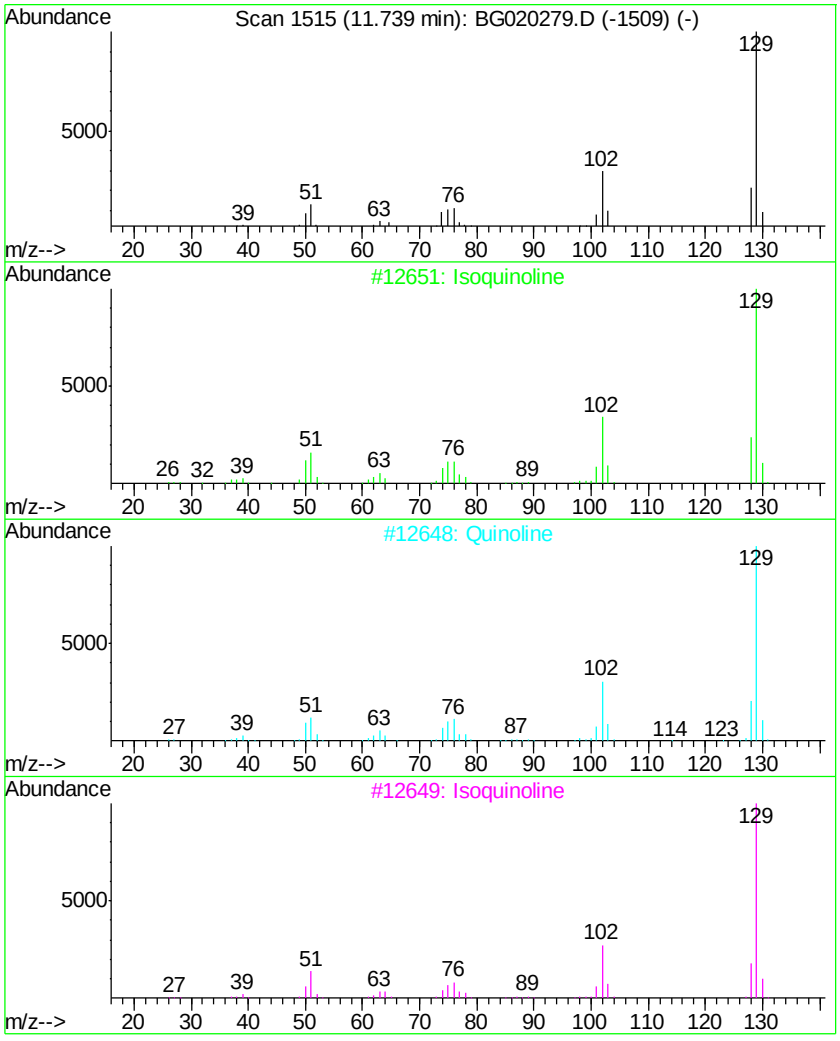
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

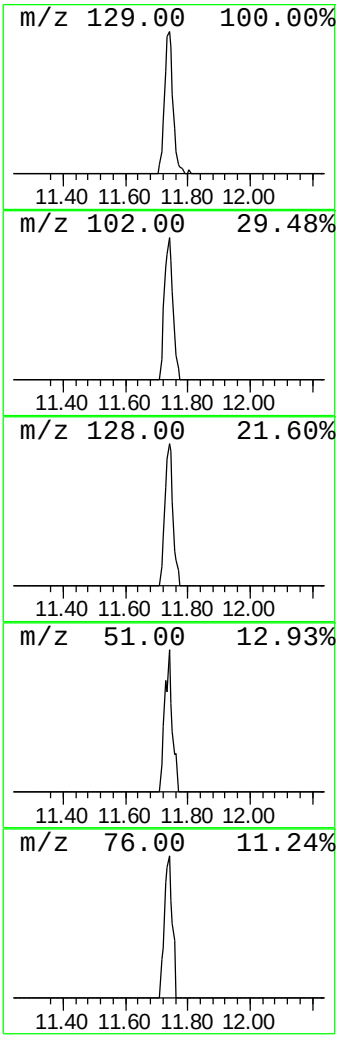
****

Peak Number 2 Isoquinoline Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	4.77 ng/ul	37093	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	95
3	Isoquinoline	129	C9H7N	000119-65-3	95
4	Quinoline	129	C9H7N	000091-22-5	94
5	Isoquinoline	129	C9H7N	000119-65-3	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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

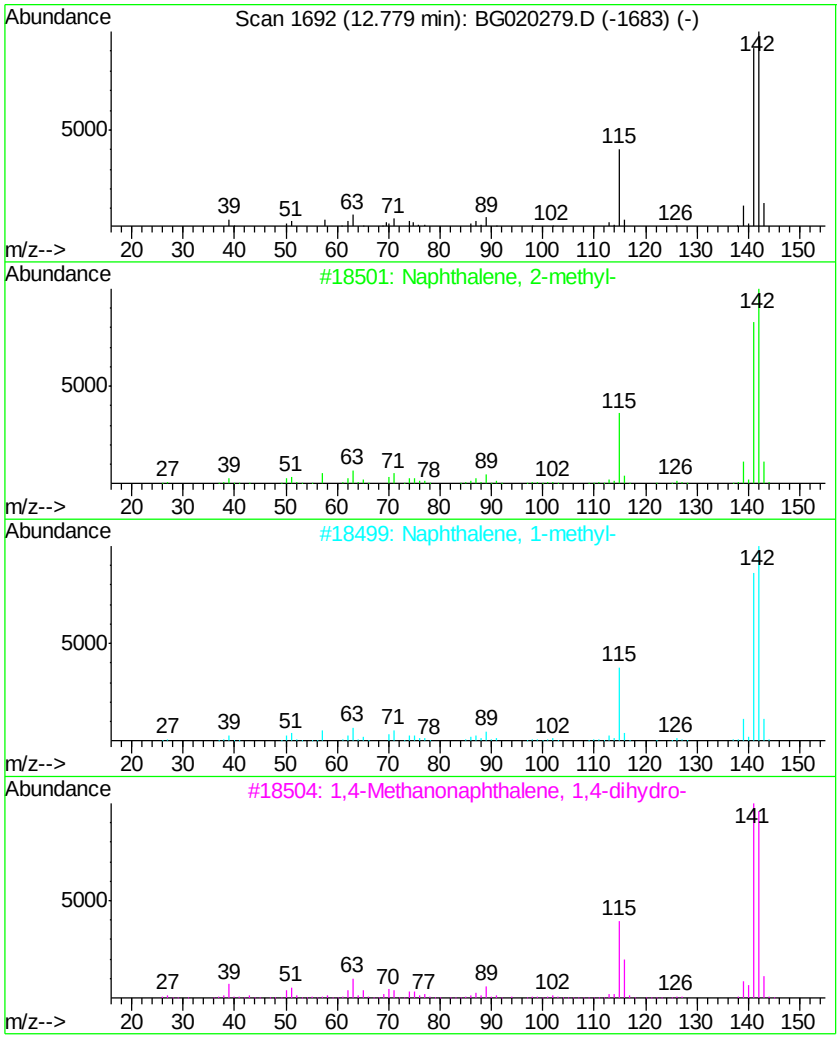
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

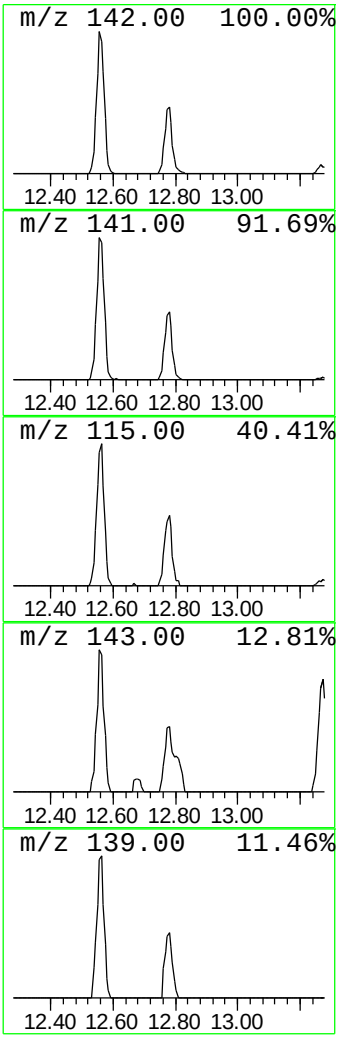
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	10.19 ng/ul	79313	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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

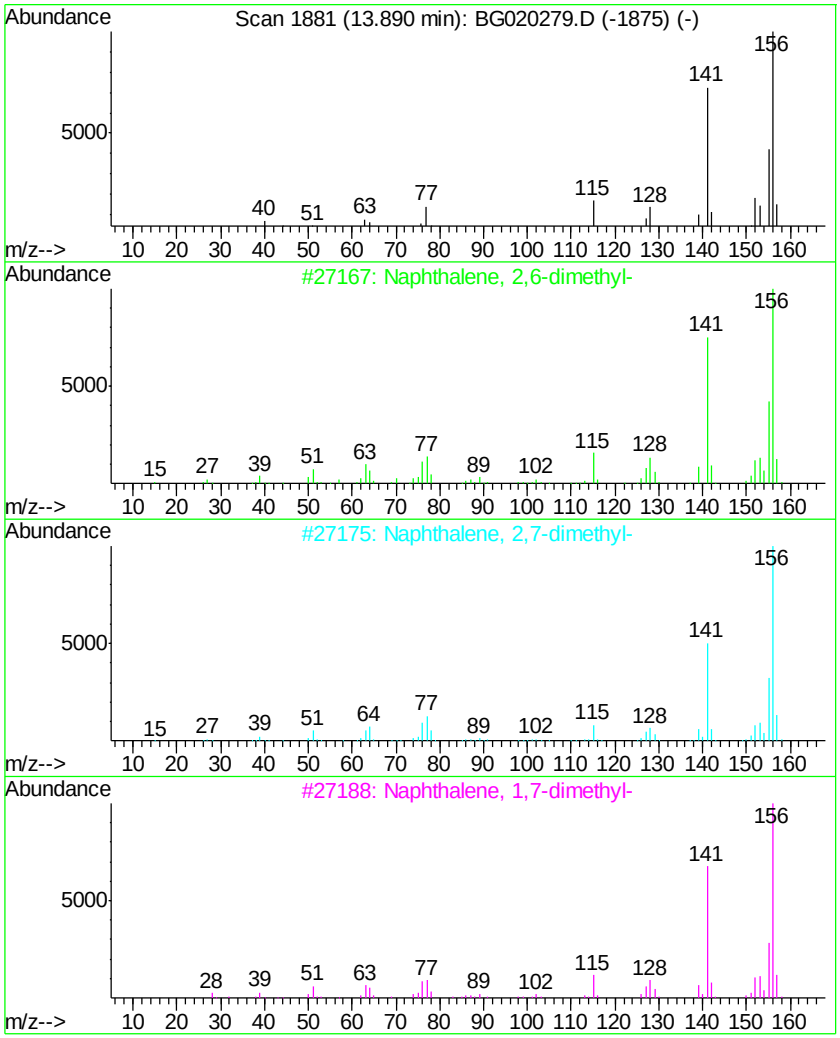
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

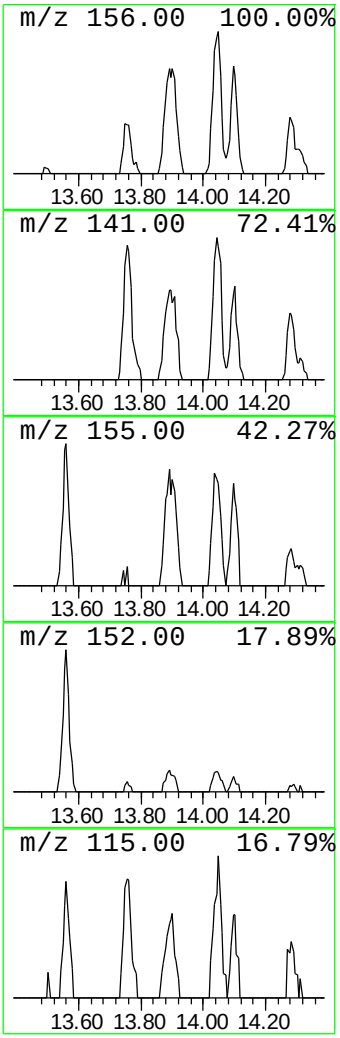
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	2.75 ng/ul	33265	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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

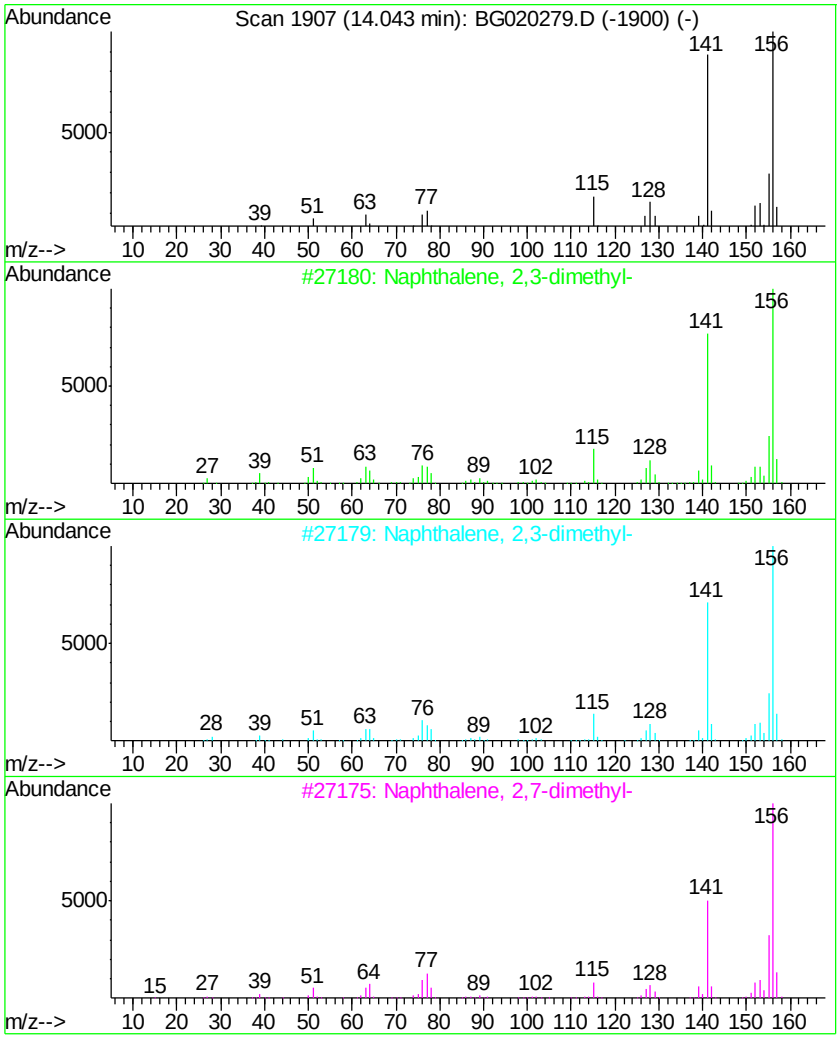
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

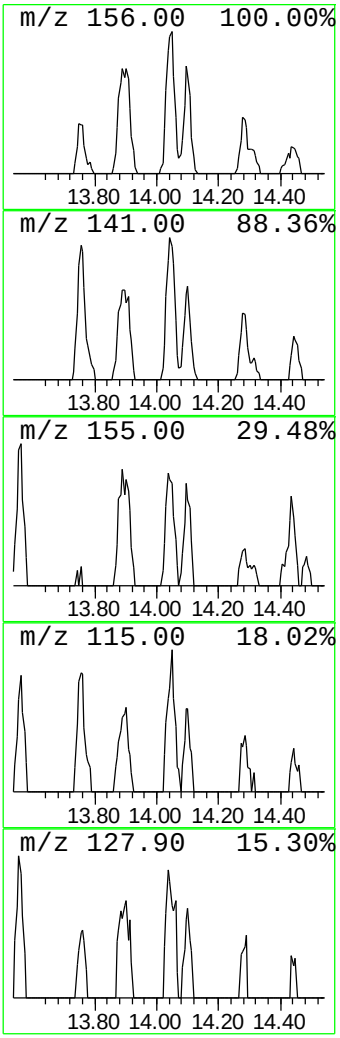
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	2.75 ng/ul	33329	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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

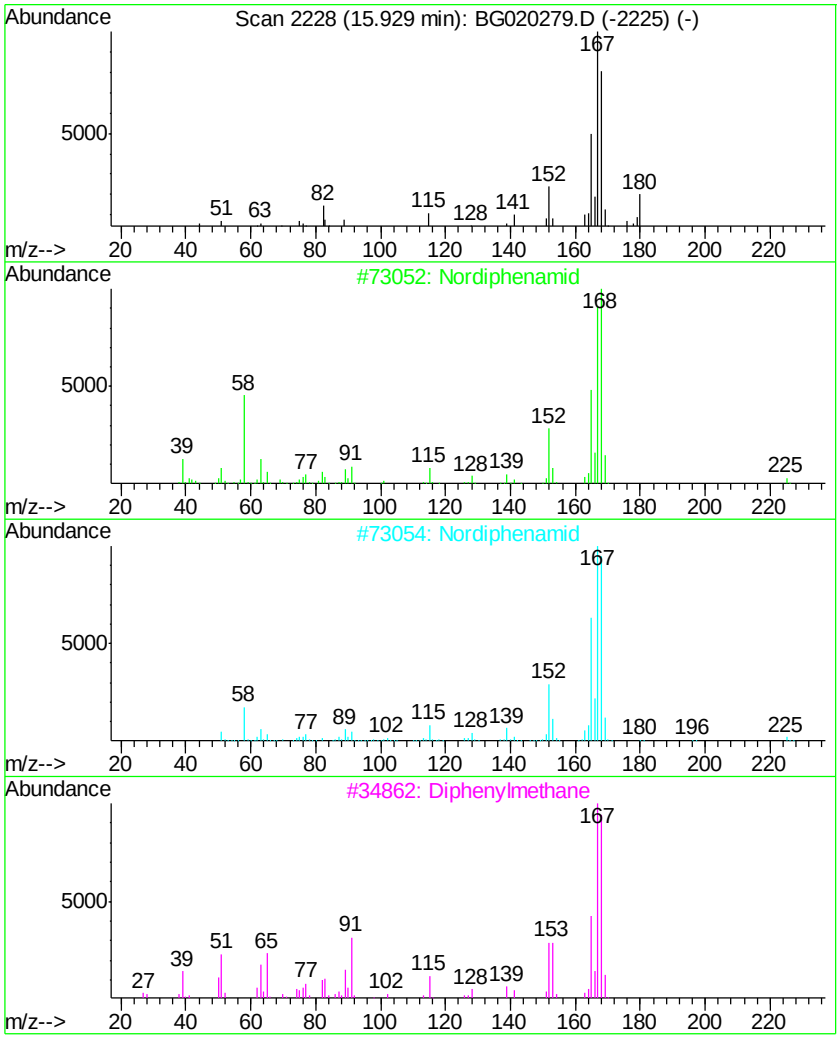
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

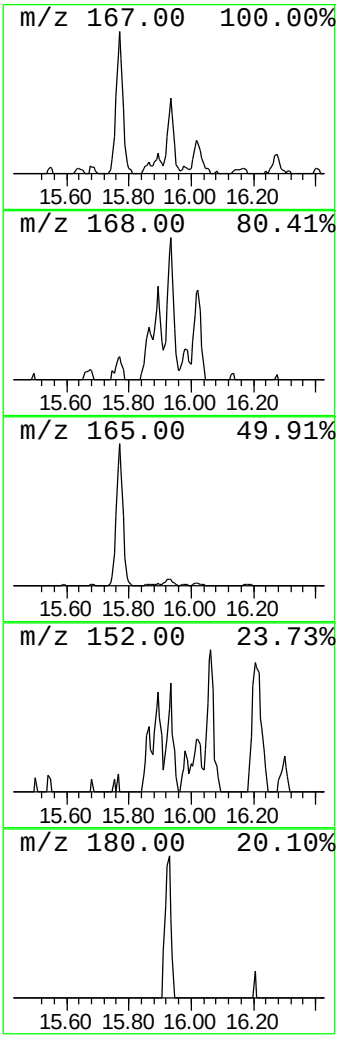
****

Peak Number 6 Nordiphenamid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	2.55 ng/ul	30864	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	80
2	Nordiphenamid	225	C15H15NO	000954-21-2	80
3	Diphenylmethane	168	C13H12	000101-81-5	58
4	Diphenylmethane	168	C13H12	000101-81-5	53
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	52





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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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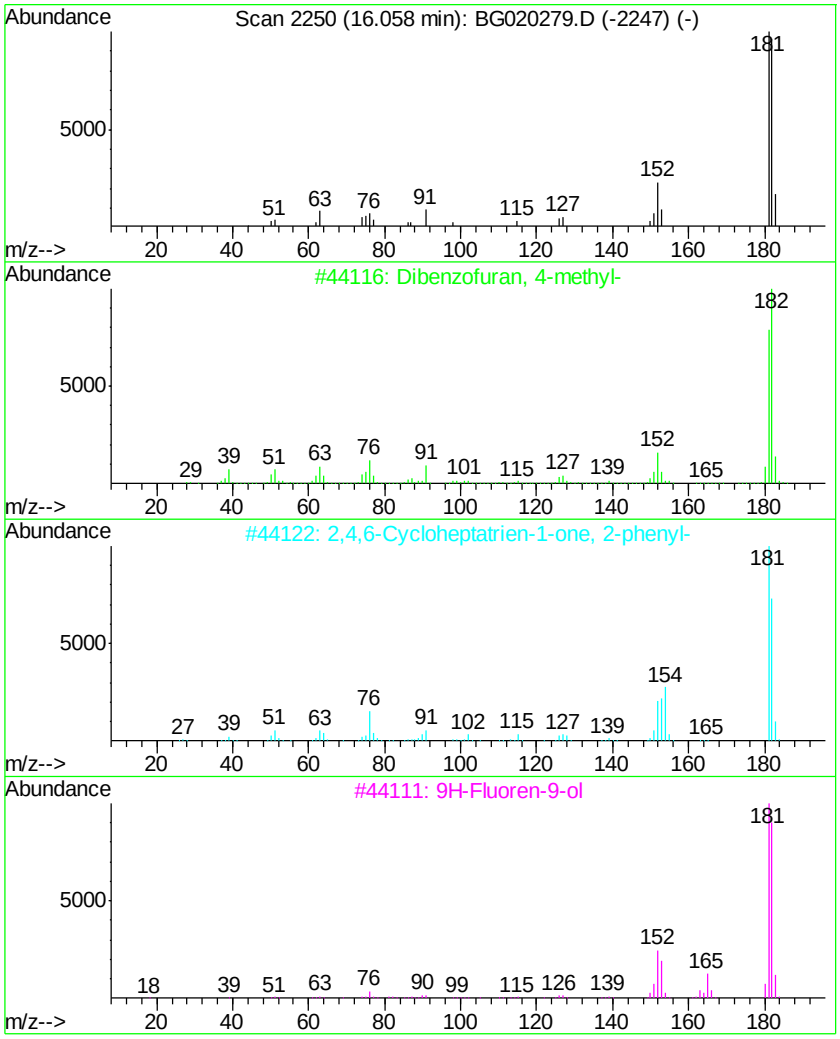
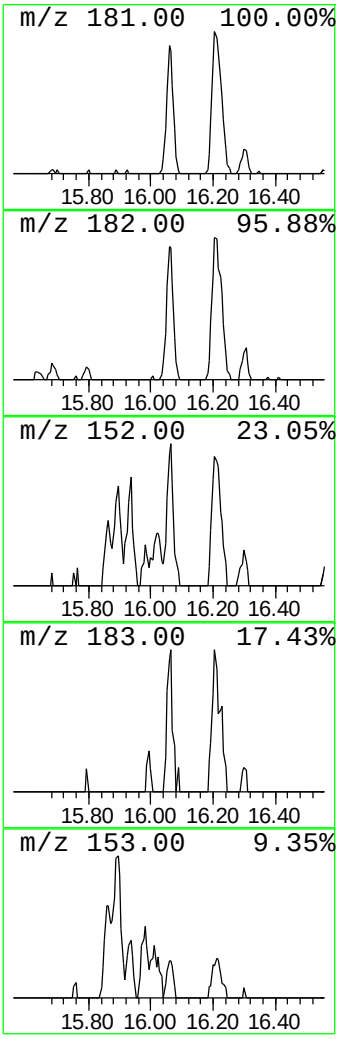
Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.71 ng/ul	32826	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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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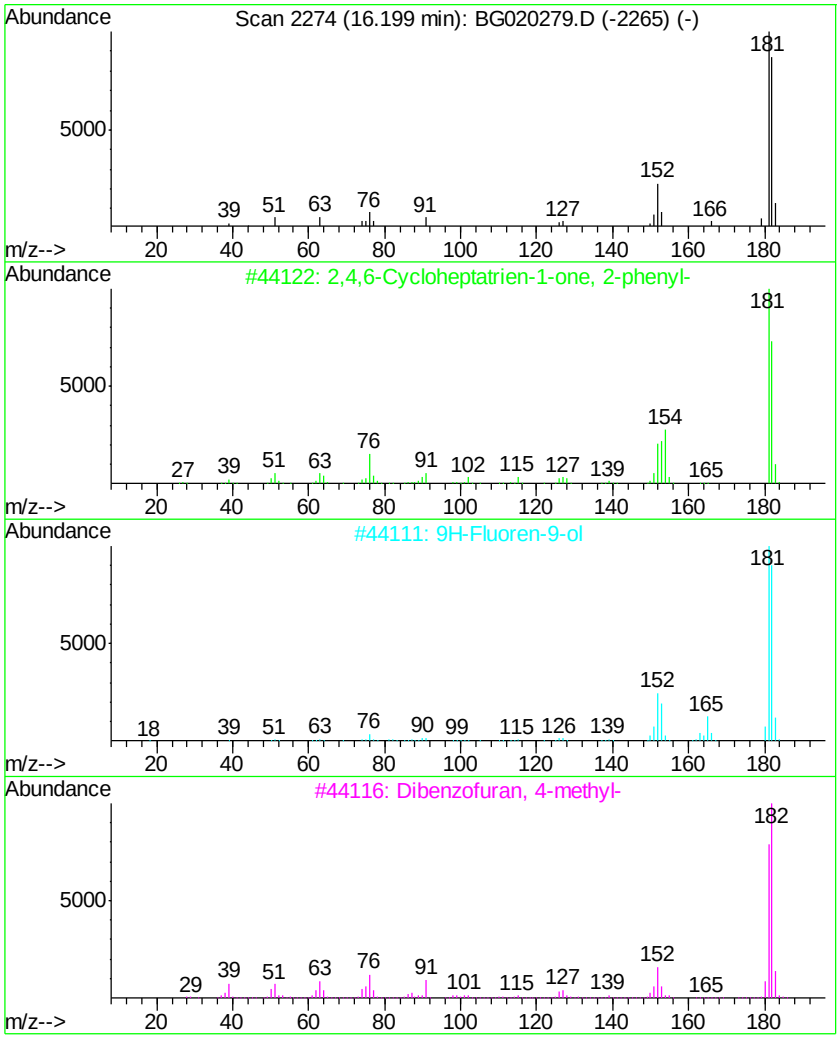
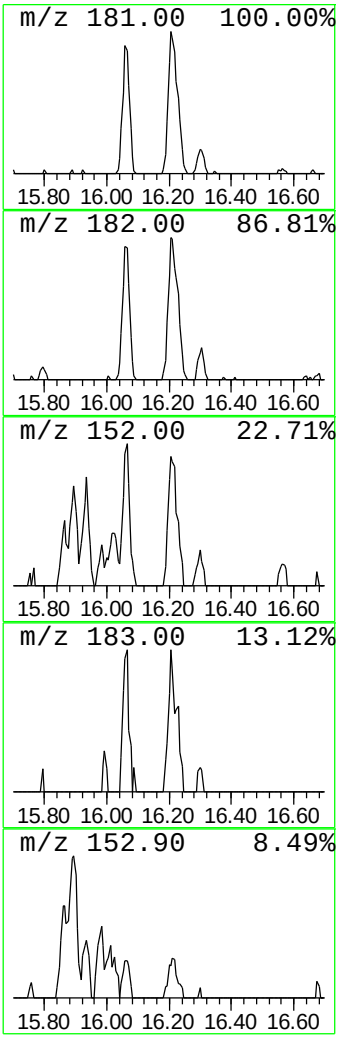
Peak Number 8 2,4,6-Cycloheptatrien-1-one... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	3.31 ng/ul	50343	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





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Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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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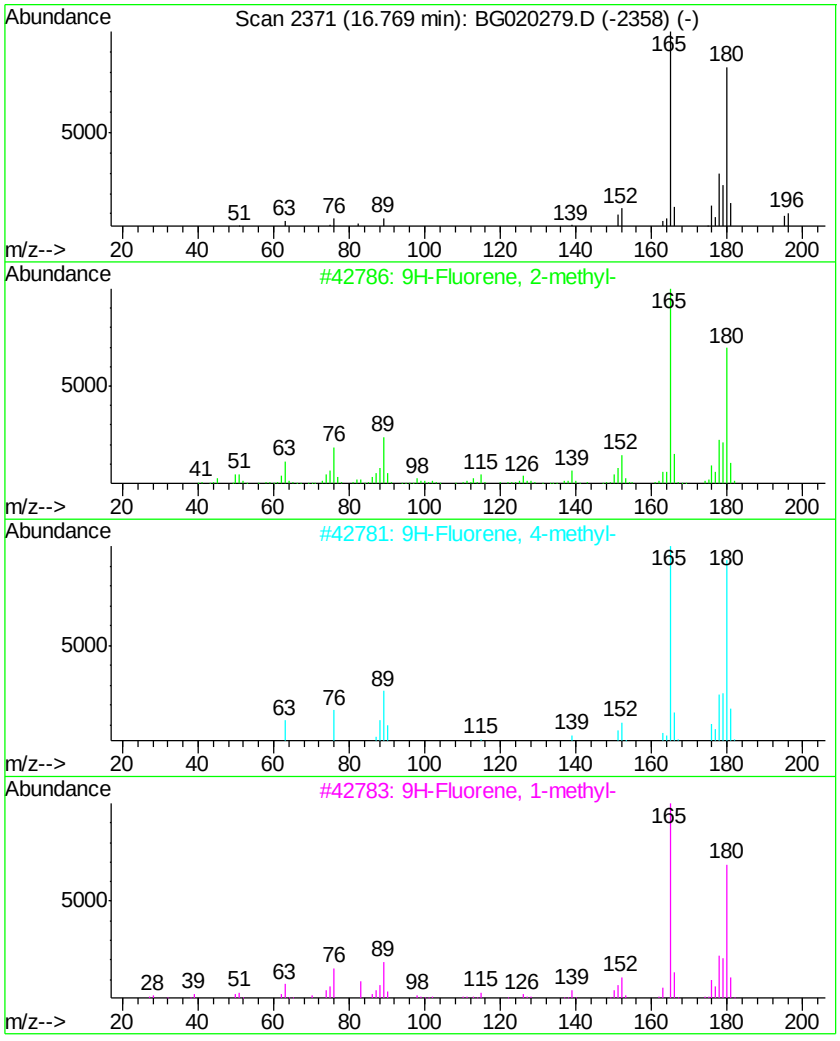
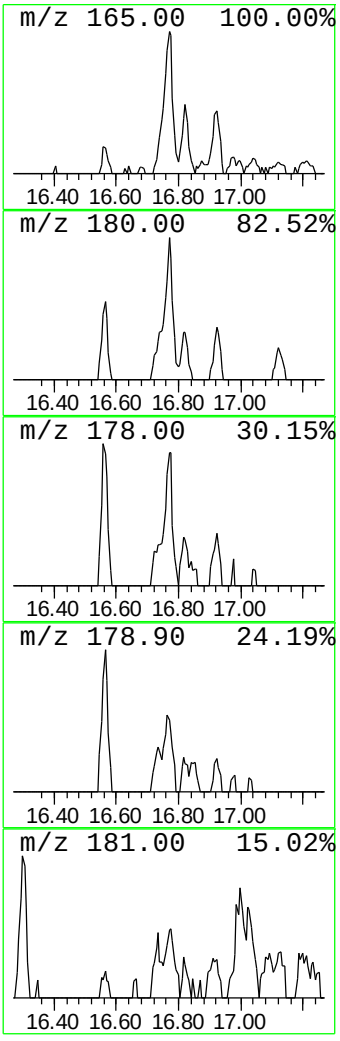
Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	2.39 ng/ul	36272	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	87





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Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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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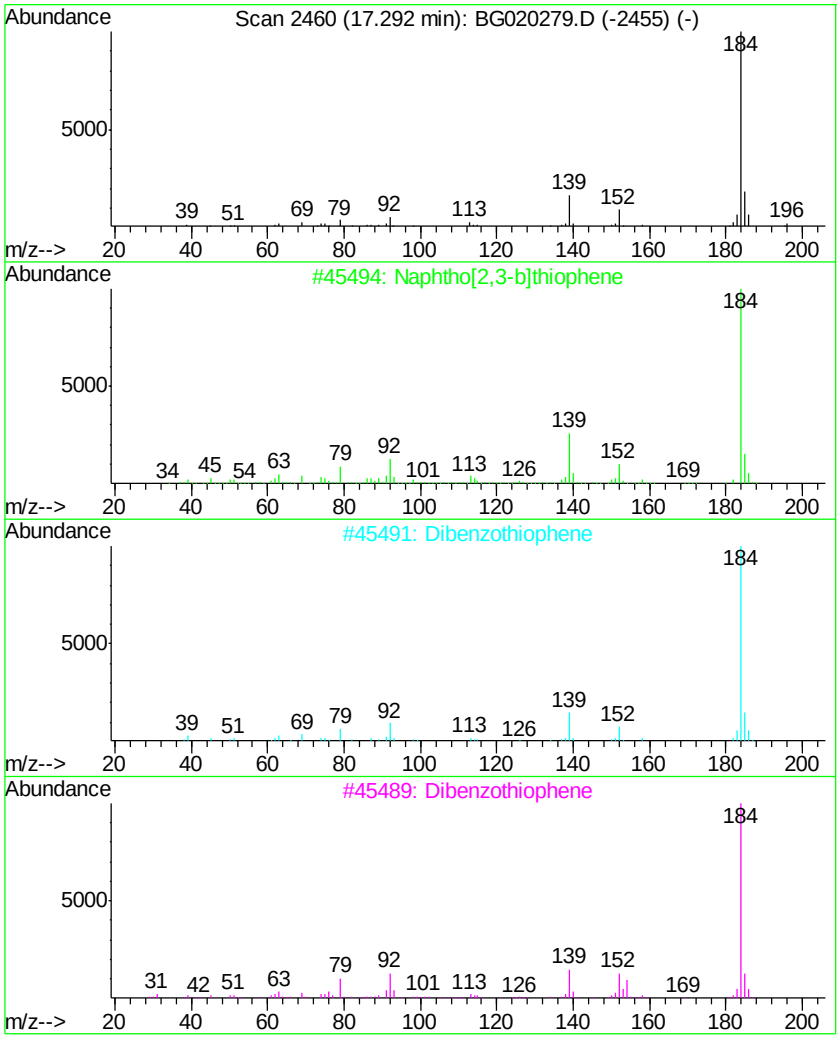
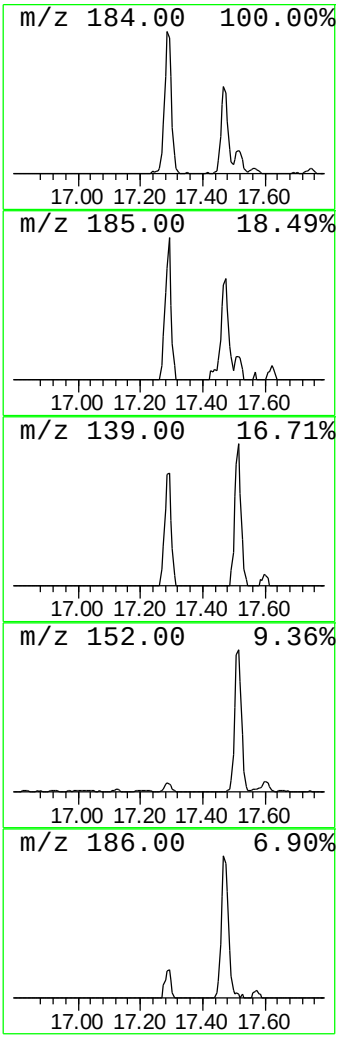
Peak Number 10 Naphtho[2,3-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	4.17 ng/ul	63367	Phenanthrene-d10	17.47

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





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Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	3.35 ng/ul	50969	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
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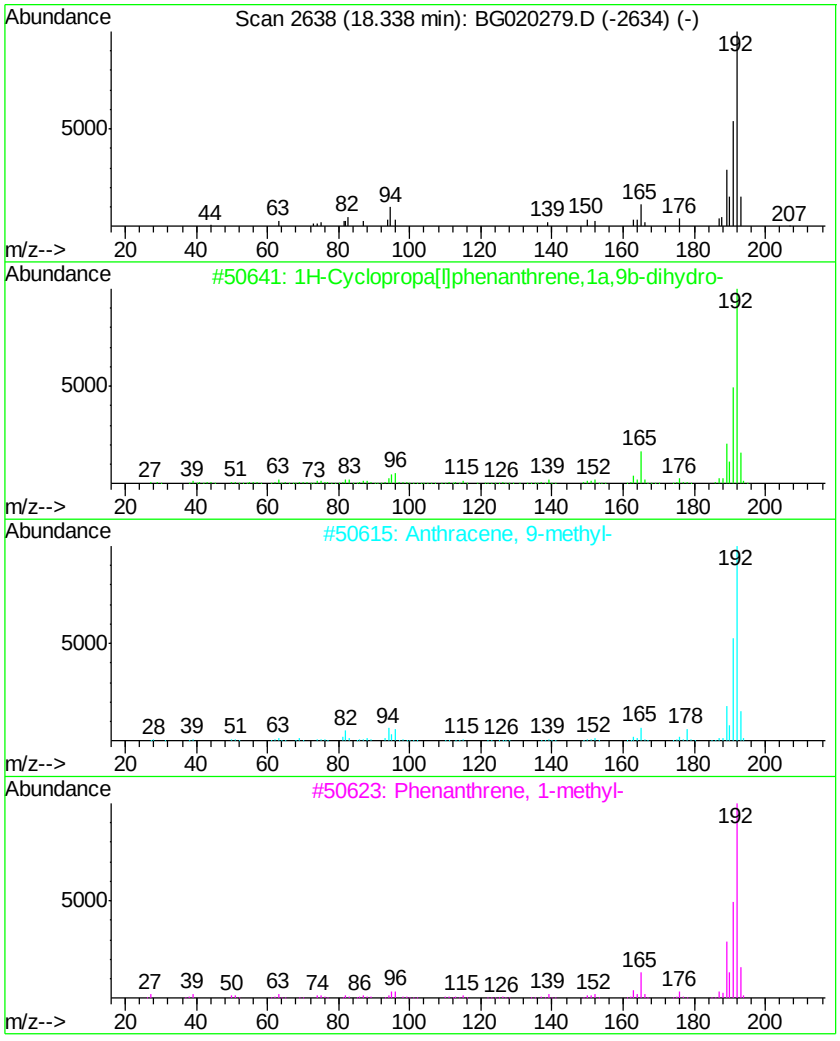

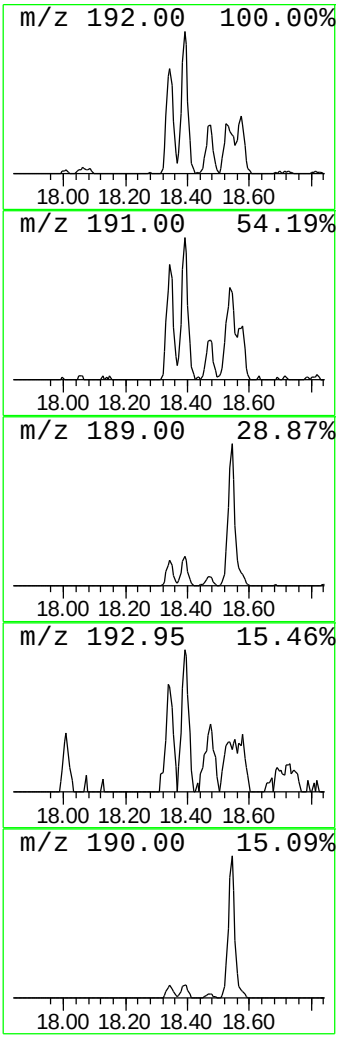

Library Search Compound Report

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Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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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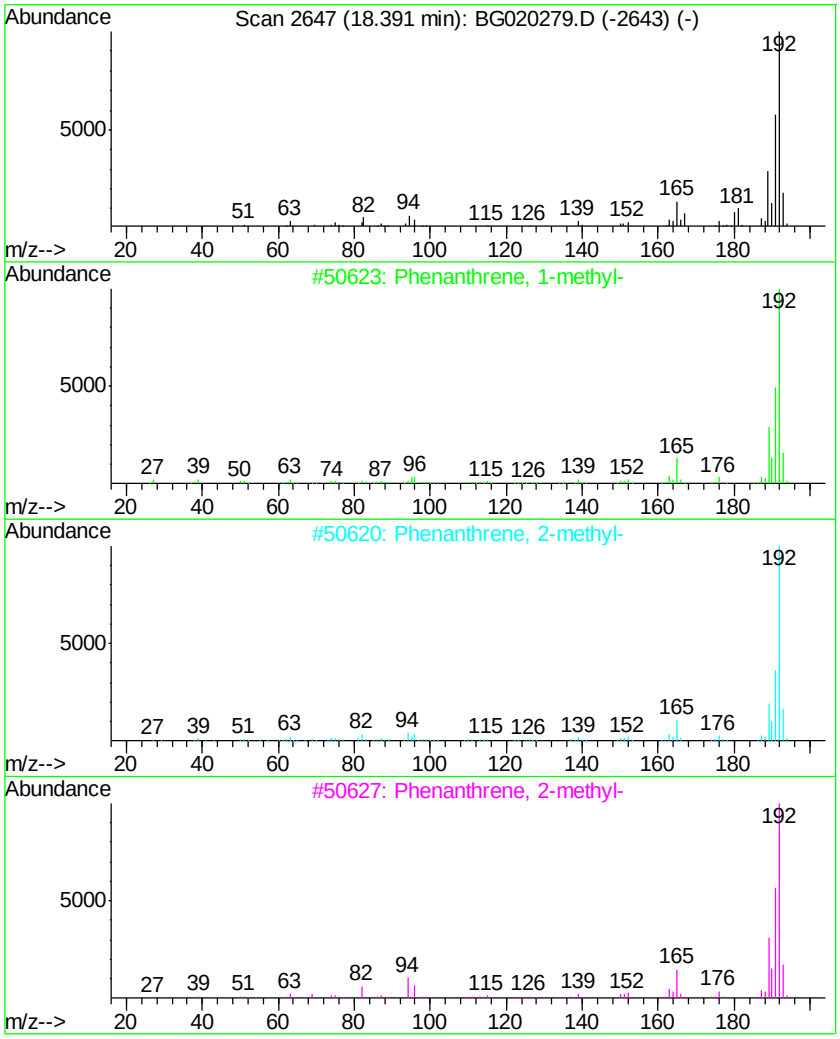
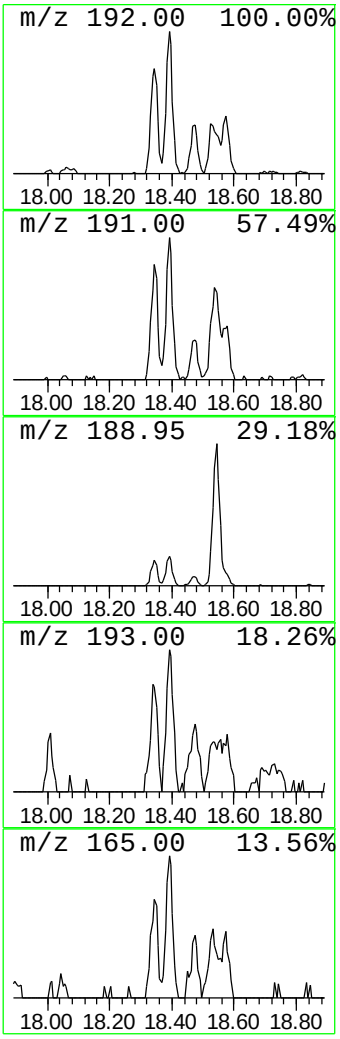
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	4.69 ng/ul	71230	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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

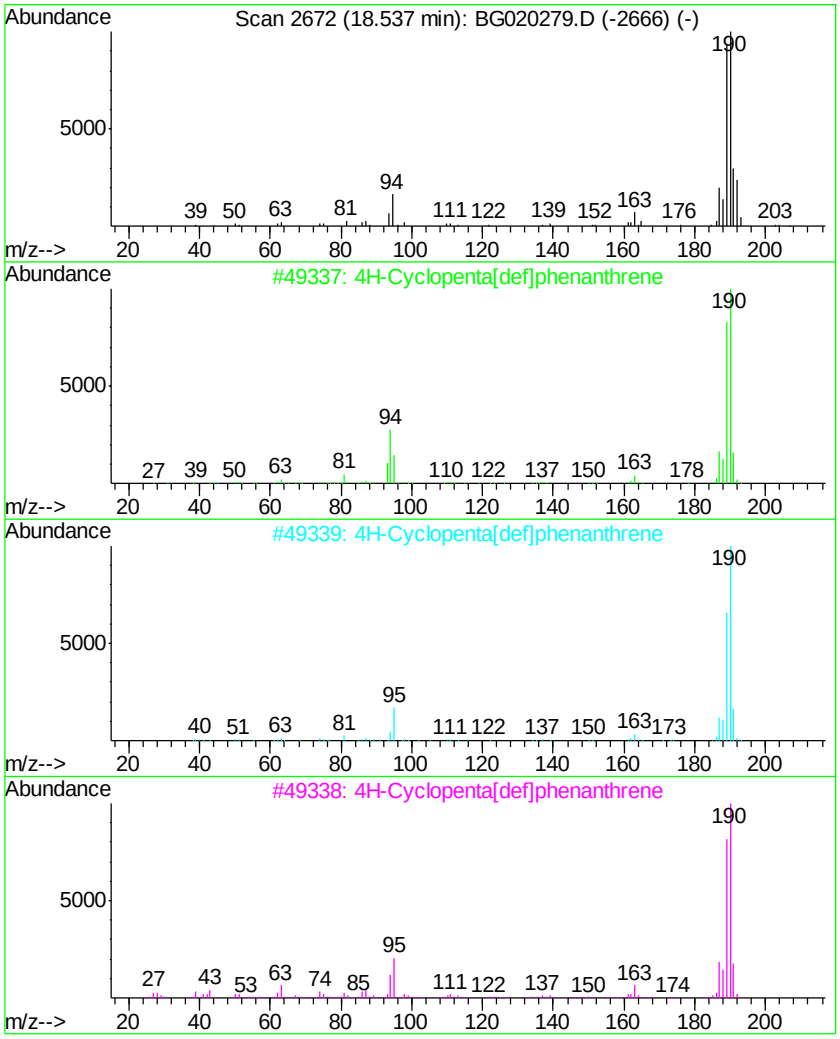
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

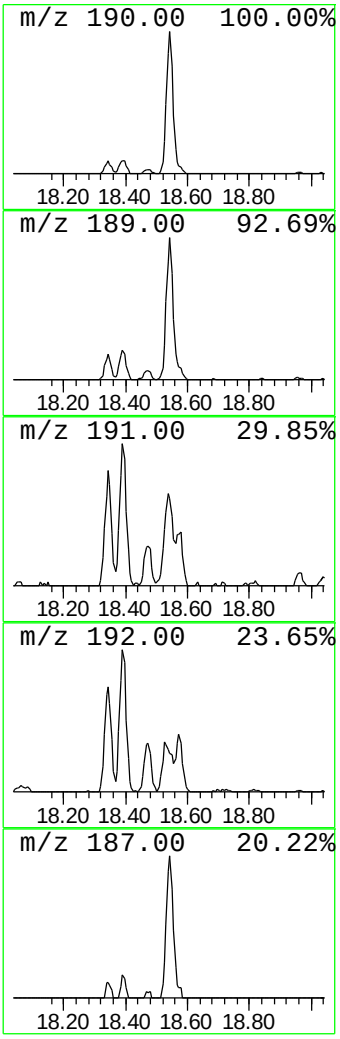
****

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	9.18 ng/ul	139543	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	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	23





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Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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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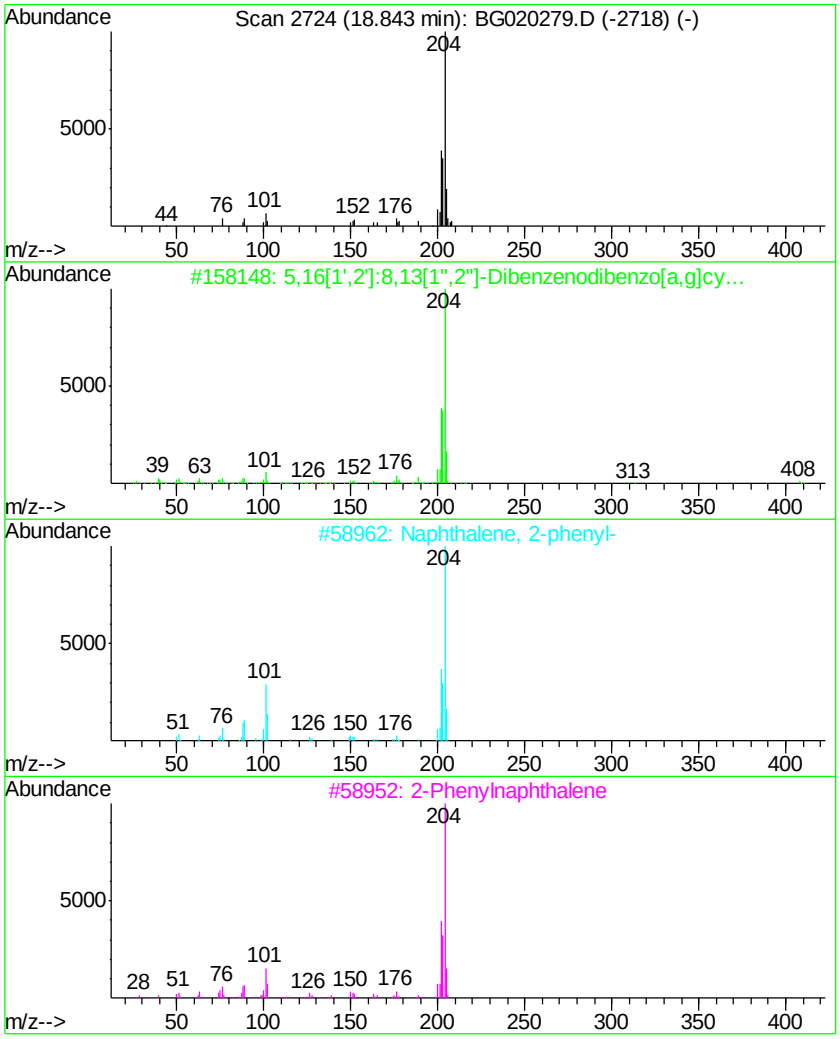
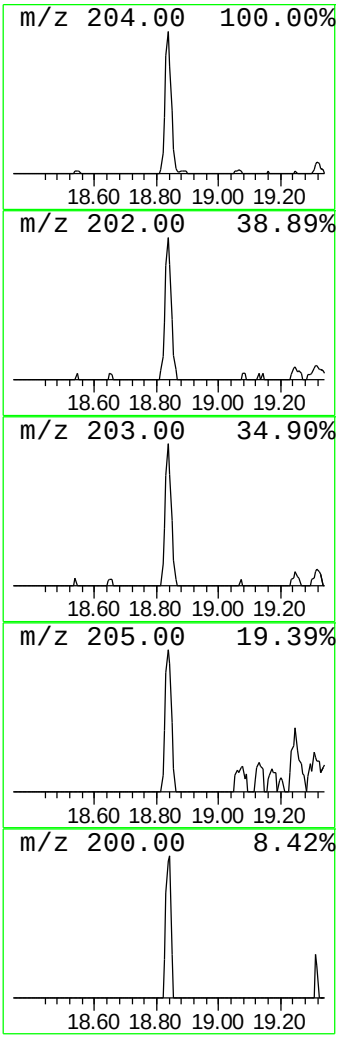
Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	2.58 ng/ul	39201	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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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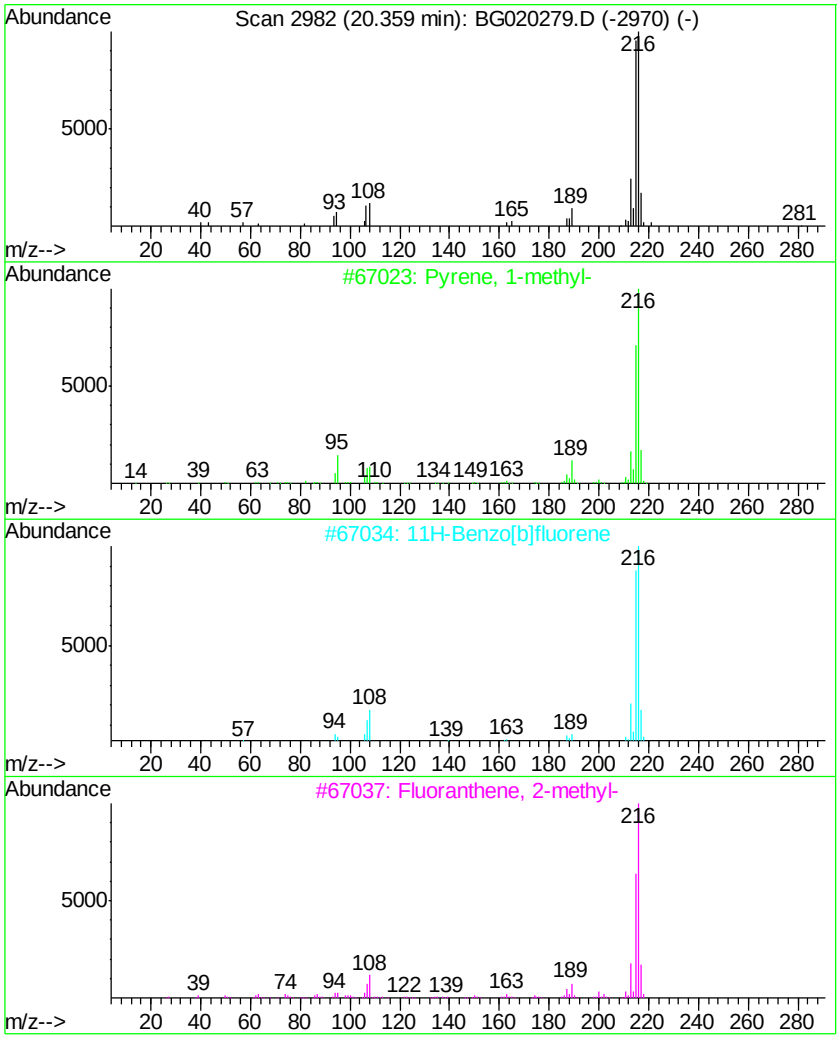
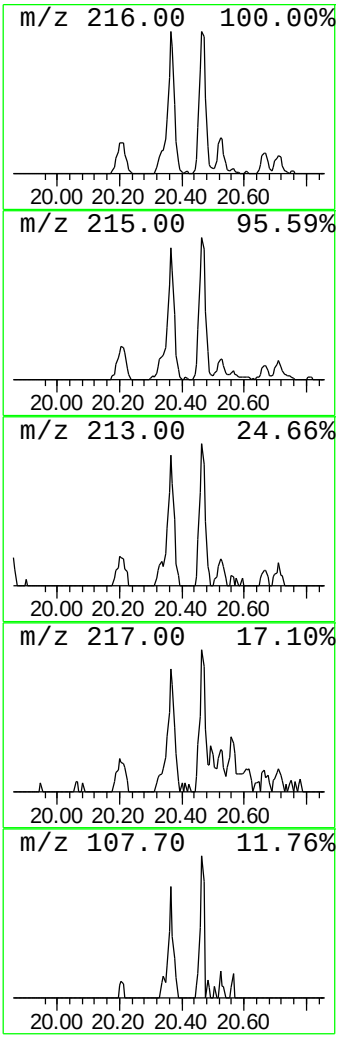
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	2.46 ng/ul	69775	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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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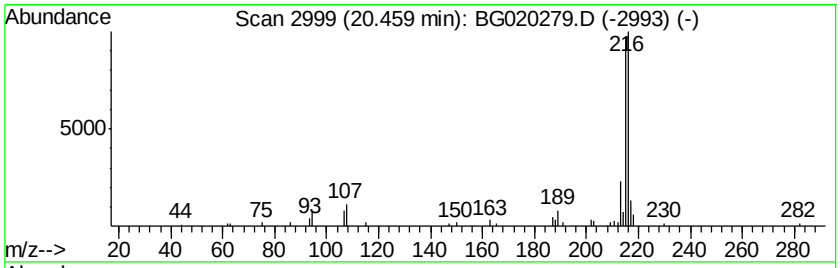
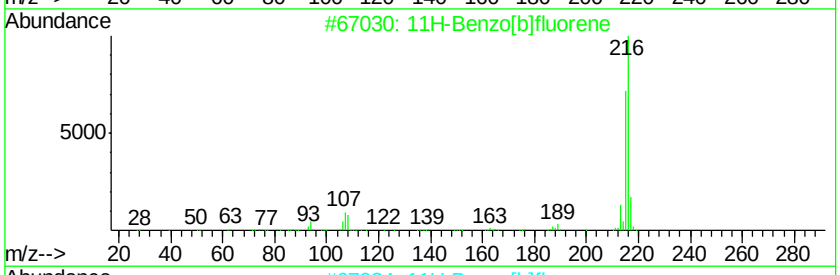
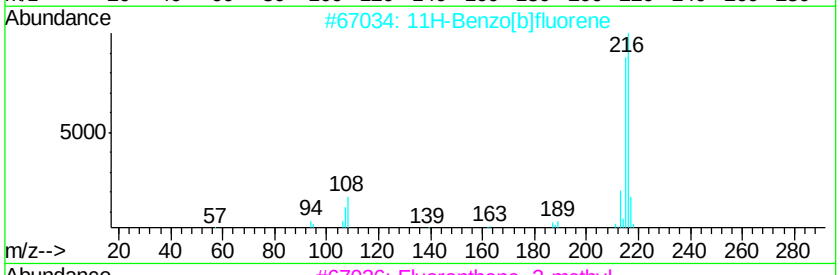
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 19

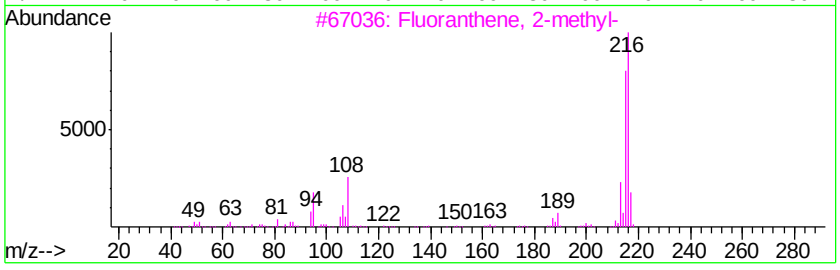
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.46	2.14 ng/ul	60714	Chrysene-d12	21.75

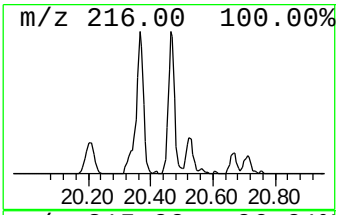
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87

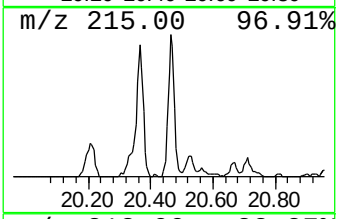


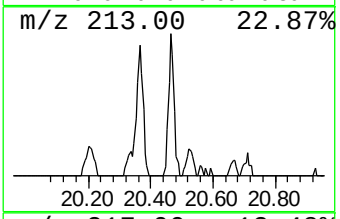


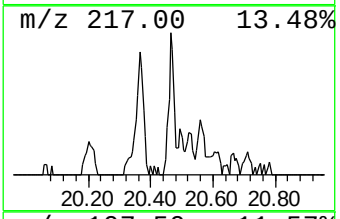


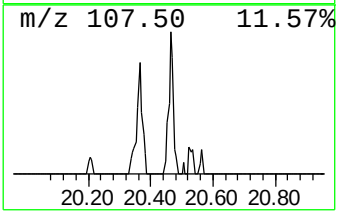












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Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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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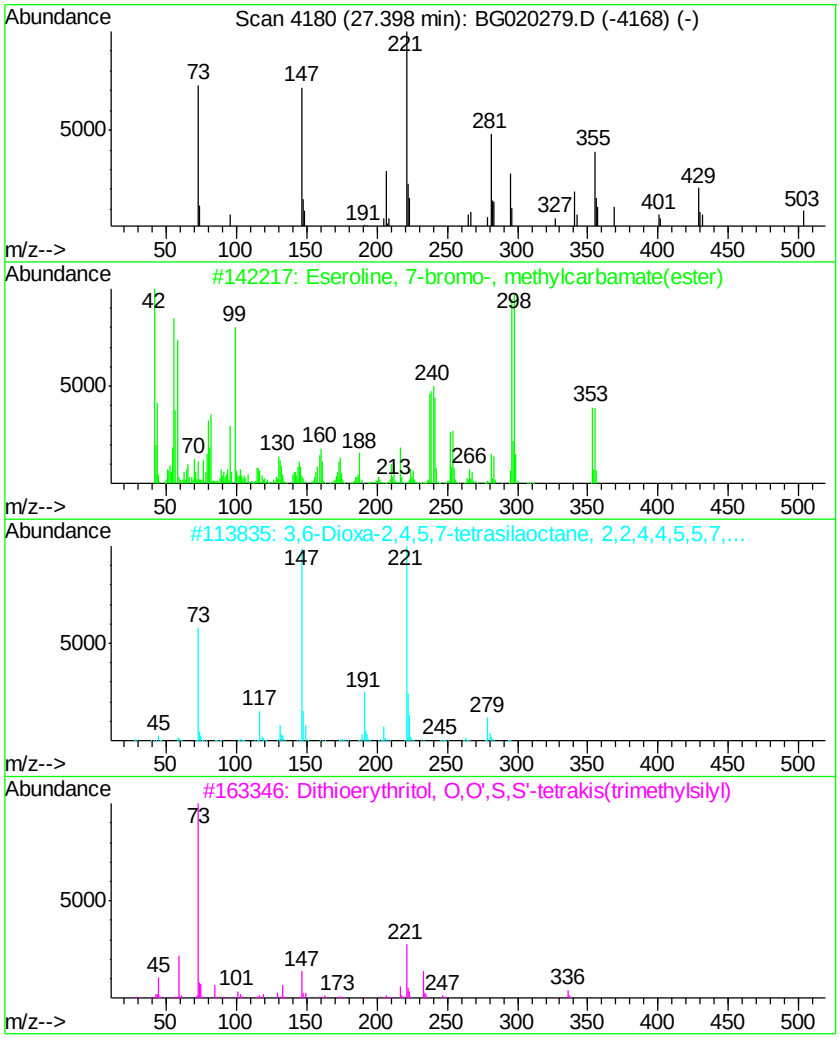
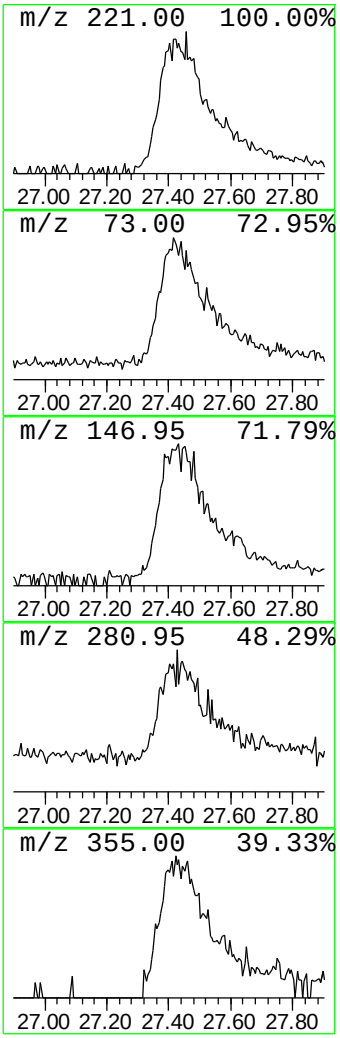
Peak Number 20 Eseroline, 7-bromo-, methyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.40	3.57 ng/ul	73030	Perylene-d12	25.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eseroline, 7-bromo-, methylcarba...	353	C15H20BrN3O2	114546-23-5	53
2	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	43
3	Dithioerythritol, O,O',S,S'-tetr...	442	C16H42O2S2Si4	1000079-30-7	37
4	Trisiloxane, octamethyl-	236	C8H24O2Si3	000107-51-7	27
5	2,6-Dimethyl-3,4-bis(trimethylsi...	311	C15H29NO2Si2	1000079-52-1	23





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020279.D
Acq On : 18 Dec 2015 17:37
Operator : UM/SJ
Sample : G4767-19DL2 30X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL2

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	4.8	ng/ul	37093	2	10.91	155675	20.0
Naphthalene, 1-me...	12.78	10.2	ng/ul	79313	2	10.91	155675	20.0
Naphthalene, 2,6-...	13.89	2.8	ng/ul	33265	3	14.72	242291	20.0
Naphthalene, 2,3-...	14.04	2.8	ng/ul	33329	3	14.72	242291	20.0
Nordiphenamid	15.93	2.5	ng/ul	30864	3	14.72	242291	20.0
Dibenzofuran, 4-m...	16.06	2.7	ng/ul	32826	3	14.72	242291	20.0
2,4,6-Cycloheptat...	16.20	3.3	ng/ul	50343	4	17.47	303915	20.0
9H-Fluorene, 2-me...	16.77	2.4	ng/ul	36272	4	17.47	303915	20.0
Naphtho[2,3-b]thi...	17.29	4.2	ng/ul	63367	4	17.47	303915	20.0
1H-Cyclopropa[l]p...	18.34	3.4	ng/ul	50969	4	17.47	303915	20.0
Phenanthrene, 1-m...	18.39	4.7	ng/ul	71230	4	17.47	303915	20.0
4H-Cyclopenta[def...	18.54	9.2	ng/ul	139543	4	17.47	303915	20.0
5,16[1',2']:8,13[...	18.84	2.6	ng/ul	39201	4	17.47	303915	20.0
Pyrene, 1-methyl-	20.36	2.5	ng/ul	69775	5	21.75	567843	20.0
11H-Benzo[b]fluorene	20.46	2.1	ng/ul	60714	5	21.75	567843	20.0
Eseroline, 7-brom...	27.40	3.6	ng/ul	73030	6	25.02	408659	20.0