LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

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-BG111615.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	3.085	37	42	50	rBV	78655	140966	2.80%	0.315%
2	3.167	50	56	76	rVB	1334111	1908836	37.95%	4.265%
3	7.291	752	758	770	rVB	81807	147514	2.93%	0.330%
4	7.462	780	787	795	rBV	60277	98833	1.96%	0.221%
5	7.673	816	823	830	rBV	75835	128844	2.56%	0.288%
6	8.149	897	904	913	rVB	93151	158714	3.16%	0.355%
7	8.854	1017	1024	1033	rBV	109247	184321	3.66%	0.412%
8	9.318	1095	1103	1111	rBV	84165	143972	2.86%	0.322%
9	10.047	1221	1227	1234	rBB2	71429	124948	2.48%	0.279%
10	10.593	1313	1320	1330	rVB	115447	205514	4.09%	0.459%
11	10.975	1378	1385	1391	rBV	152508	275603	5.48%	0.616%
12	11.105	1400	1407	1424	rBB	80789	146382	2.91%	0.327%
13	14.177	1922	1930	1934	rVV	258211	376278	7.48%	0.841%
14	14.224	1934	1938	1945	rVB	166029	223892	4.45%	0.500%
15	14.477	1975	1981	1994	rVB	234779	364621	7.25%	0.815%
16	14.783	2022	2033	2039	rBV2	310764	498921	9.92%	1.115%
17	14.847	2039	2044	2050	rVB	57066	85369	1.70%	0.191%
18	14.965	2059	2064	2075	rBV	100165	170761	3.39%	0.382%
19	15.176	2095	2100	2107	rVB	64630	104481	2.08%	0.233%
20	15.770	2192	2201	2206	rBV	346979	510080	10.14%	1.140%
21	15.823	2206	2210	2215	rVV2	62761	103614	2.06%	0.231%
22	15.881	2215	2220	2228	rVV	93496	142053	2.82%	0.317%
23	16.257	2280	2284	2294	rVV	29797	65363	1.30%	0.146%
24	16.816	2369	2379	2385	rBV	456914	665760	13.24%	1.487%
25	17.174	2434	2440	2447	rVB	154388	232464	4.62%	0.519%
26	17.244	2447	2452	2460	rBV4	21086	49796	0.99%	0.111%
27	17.344	2464	2469	2476	rVB	81395	122621	2.44%	0.274%
28	17.526	2494	2500	2503	rBV	433147	703048	13.98%	1.571%
29	17.568	2503	2507	2512	rVV	1409085	2069668	41.14%	4.624%
30	17.620	2512	2516	2519	rVV	411417	618885	12.30%	1.383%
31	17.656	2519	2522	2526	rVV	296706	425245	8.45%	0.950%
32	17.697	2526	2529	2535	rVB3	66350	98443	1.96%	0.220%
33	17.920	2557	2567	2576	rBV2	120642	228195	4.54%	0.510%
34	18.396	2640	2648	2652	rBV	144306	233684	4.65%	0.522%

LSC Area Percent Report

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Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

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-BG111615.M
Title : SVOA CALIBRATION

35	18.443	2652	2656	2663	rVB	195950	297010	5.90%	0.664%
36	18.519	2663	2669	2674	rVB	67290	101259	2.01%	0.226%
37	18.590	2674	2681	2684	rBV3	158199	313035	6.22%	0.699%
38	18.625	2684	2687	2692	rVB	93614	127979	2.54%	0.286%
39	18.696	2692	2699	2702	rBV7	24105	44569	0.89%	0.100%
40	18.884	2726	2731	2735	rVV	136020	192625	3.83%	0.430%
41	18.925	2735	2738	2745	rVV	105010	158797	3.16%	0.355%
42	19.125	2763	2772	2777	rBV4	44317	83482	1.66%	0.187%
43	19.219	2784	2788	2792	rVV	32274	53581	1.07%	0.120%
44	19.301	2796	2802	2806	rVV2	75816	140355	2.79%	0.314%
45	19.360	2808	2812	2815	rVV3	34058	68037	1.35%	0.152%
46	19.442	2821	2826	2833	rVV2	128145	204462	4.06%	0.457%
47	19.565	2840	2847	2853	rBV	2118355	3092809	61.48%	6.910%
48	19.659	2859	2863	2867	rVB	51921	76410	1.52%	0.171%
49	19.806	2882	2888	2896	rVB2	90915	175596	3.49%	0.392%
50	19.894	2896	2903	2905	rBV3	684447	1073381	21.34%	2.398%
51	19.930	2905	2909	2915	rVB	1730942	2469371	49.09%	5.517%
52	19.988	2915	2919	2925	rVB3	91161	138518	2.75%	0.309%
53	20.094	2932	2937	2942	rVB	101249	147786	2.94%	0.330%
54	20.159	2942	2948	2955	rVB	61377	117929	2.34%	0.263%
55	20.241	2955	2962	2968	rBV3	110691	296948	5.90%	0.663%
56	20.294	2968	2971	2978	rBV	37586	58651	1.17%	0.131%
57	20.405	2979	2990	2996	rVB2	108931	301949	6.00%	0.675%
58	20.505	3000	3007	3010	rBV2	51088	84543	1.68%	0.189%
59	20.564	3010	3017	3021	rVV2	118918	221933	4.41%	0.496%
60	20.640	3027	3030	3036	rVB4	34172	48873	0.97%	0.109%
61	20.705	3037	3041	3044	rBV	82508	105303	2.09%	0.235%
62	20.752	3045	3049	3051	rVV2	72132	98498	1.96%	0.220%
63	20.799	3051	3057	3061	rVB	4090233	5030241	100.00%	11.238%
64	20.964	3080	3085	3087	rBV5	26228	45700	0.91%	0.102%
65	21.175	3116	3121	3129	rVB	241195	354743	7.05%	0.793%
66	21.363	3145	3153	3157	rBV2	167143	360752	7.17%	0.806%
67	21.404	3157	3160	3164	rVV	154688	228278	4.54%	0.510%
68	21.463	3164	3170	3174	rVV2	152370	290735	5.78%	0.650%
69	21.516	3174	3179	3185	rVB2	195055	328923	6.54%	0.735%
70	21.616	3191	3196	3198	rBV4	45701	69320	1.38%	0.155%
71	21.651	3198	3202	3208	rVB2	157644	251108	4.99%	0.561%

LSC Area Percent Report

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Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

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-BG111615.M
Title : SVOA CALIBRATION

72	21.733	3213	3216	3217	rVV	50196	59718	1.19%	0.133%
73	21.780	3217	3224	3231	rVV3	1100682	2807935	55.82%	6.273%
74	21.845	3231	3235	3247	rVB	842117	1458888	29.00%	3.259%
75	21.951	3247	3253	3257	rBV6	24758	49594	0.99%	0.111%
76	21.998	3257	3261	3267	rBV2	51292	96091	1.91%	0.215%
77	22.133	3278	3284	3289	rBV	869716	1411684	28.06%	3.154%
78	22.180	3289	3292	3294	rBV	41254	50499	1.00%	0.113%
79	22.450	3332	3338	3344	rVV	367003	640109	12.73%	1.430%
80	22.538	3345	3353	3358	rVV	96465	227028	4.51%	0.507%
81	22.615	3361	3366	3371	rVB2	73141	145559	2.89%	0.325%
82	22.826	3396	3402	3404	rBV4	65312	130250	2.59%	0.291%
83	22.967	3419	3426	3433	rBV4	46160	111941	2.23%	0.250%
84	23.226	3464	3470	3474	rBV6	27336	59552	1.18%	0.133%
85	23.408	3494	3501	3507	rBV2	76340	186360	3.70%	0.416%
86	23.643	3534	3541	3542	rBV2	42645	74353	1.48%	0.166%
87	24.060	3602	3612	3619	rBV	525694	1774622	35.28%	3.965%
88	24.324	3649	3657	3663	rBV2	80008	195424	3.88%	0.437%
89	24.536	3686	3693	3696	rBV7	34054	87740	1.74%	0.196%
90	24.806	3730	3739	3745	rBV	248664	711556	14.15%	1.590%
91	24.888	3746	3753	3758	rVV	233595	641178	12.75%	1.433%
92	24.959	3758	3765	3778	rVB	411464	1159290	23.05%	2.590%
93	25.112	3780	3791	3799	rBV	304097	932012	18.53%	2.082%
94	25.194	3800	3805	3819	rVB	131225	395322	7.86%	0.883%
95	28.919	4425	4439	4460	rVB4	188848	971355	19.31%	2.170%
96	29.407	4511	4522	4533	rVB3	45051	206544	4.11%	0.461%
97	29.554	4536	4547	4548	rBV3	33483	86535	1.72%	0.193%
98	30.106	4624	4641	4660	rBV3	135935	713555	14.19%	1.594%
99	30.723	4736	4746	4747	rBV2	27459	62133	1.24%	0.139%
100	31.910	4936	4948	4951	rBV3	93436	301067	5.99%	0.673%

Sum of corrected areas: 44759072

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019678.D
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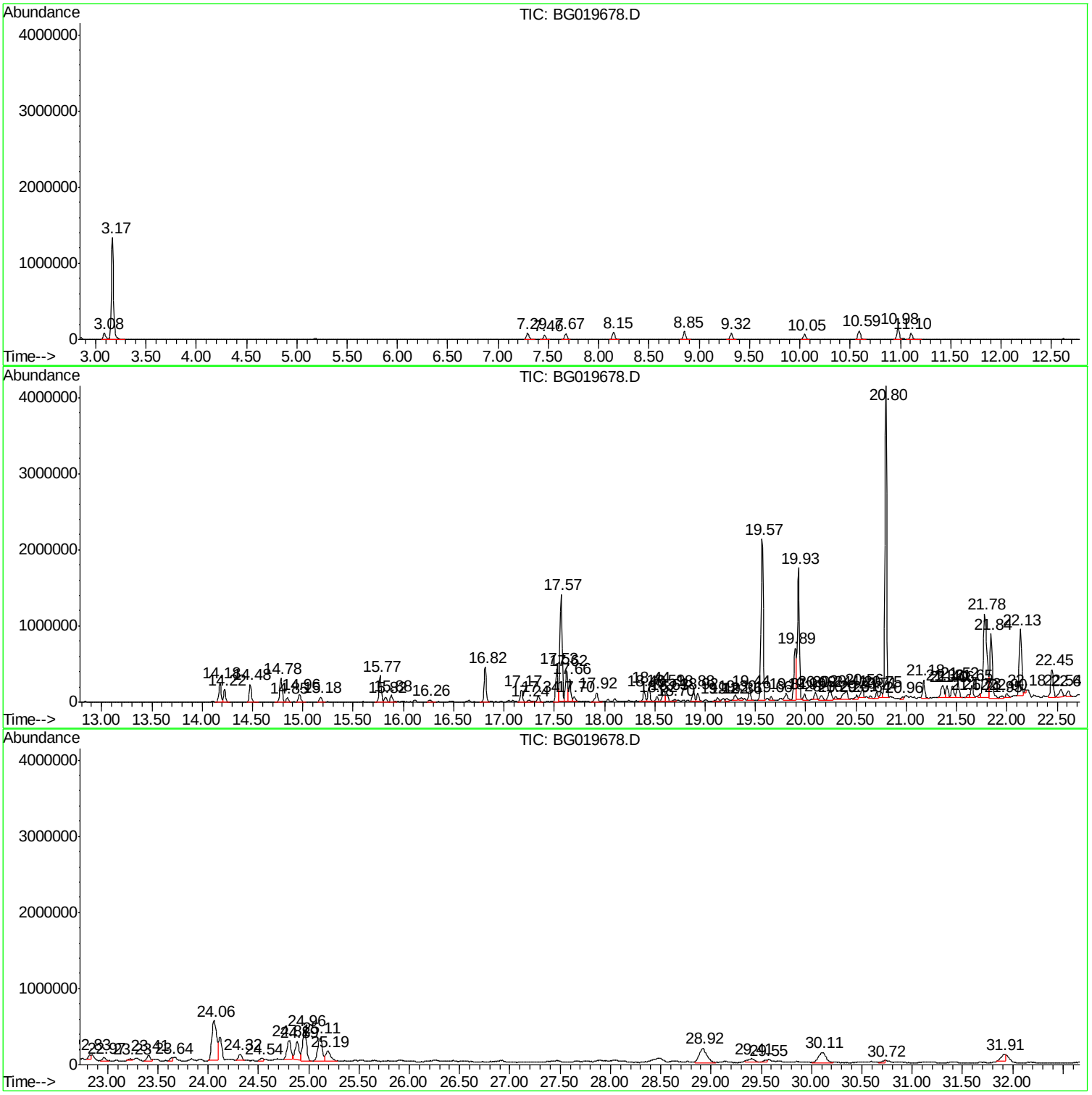
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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



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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

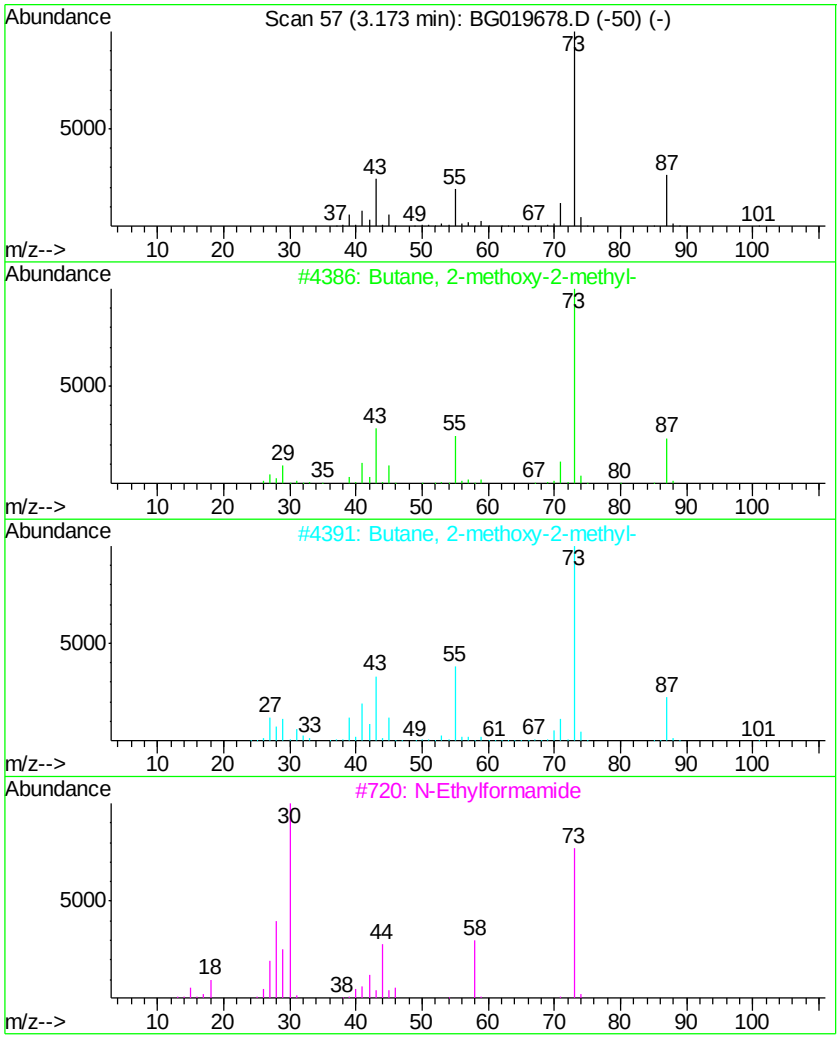
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

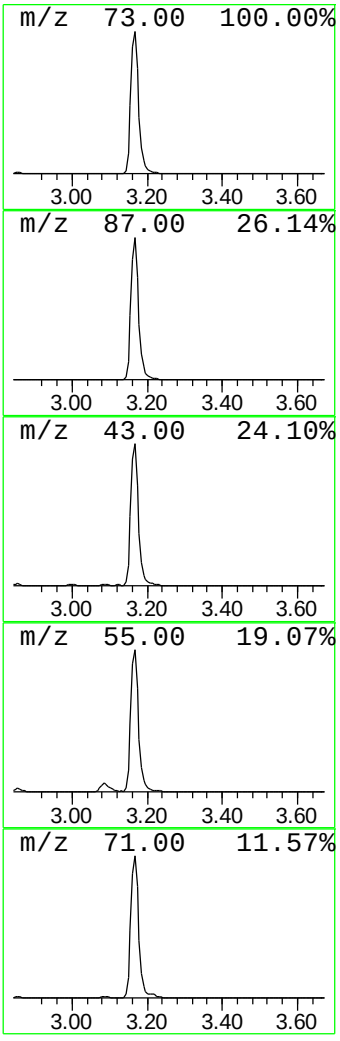
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	240.54 ng/ul	1908840	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	90
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
5	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

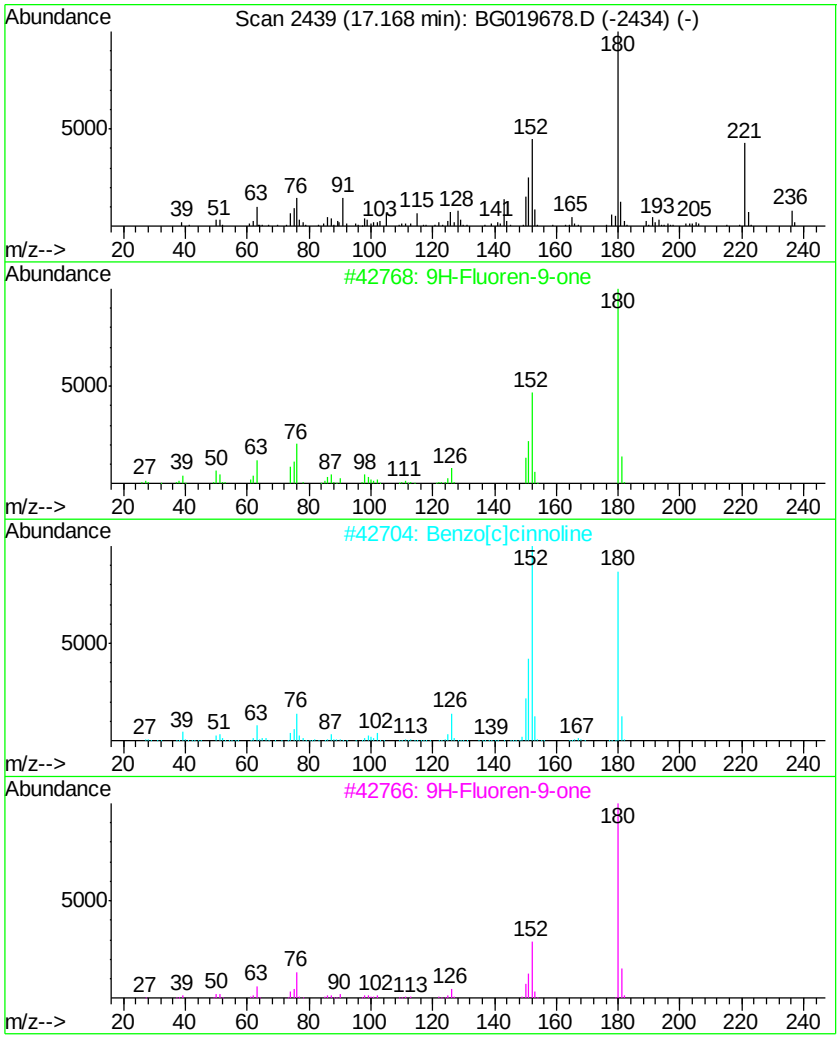
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

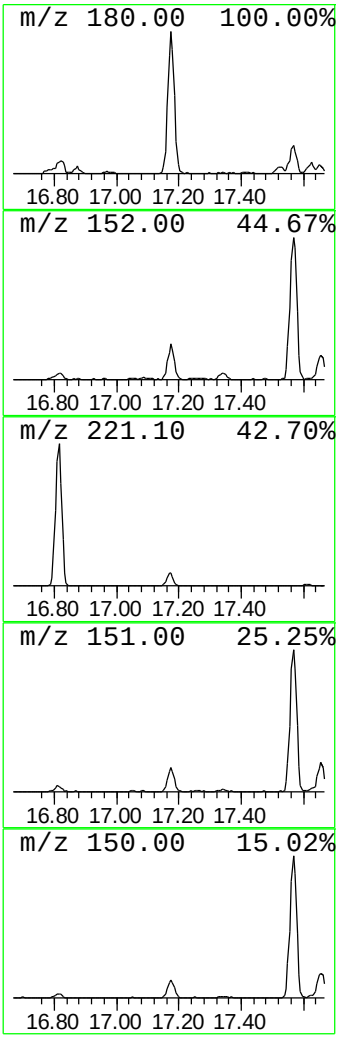
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	6.61 ng/ul	232464	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	72
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

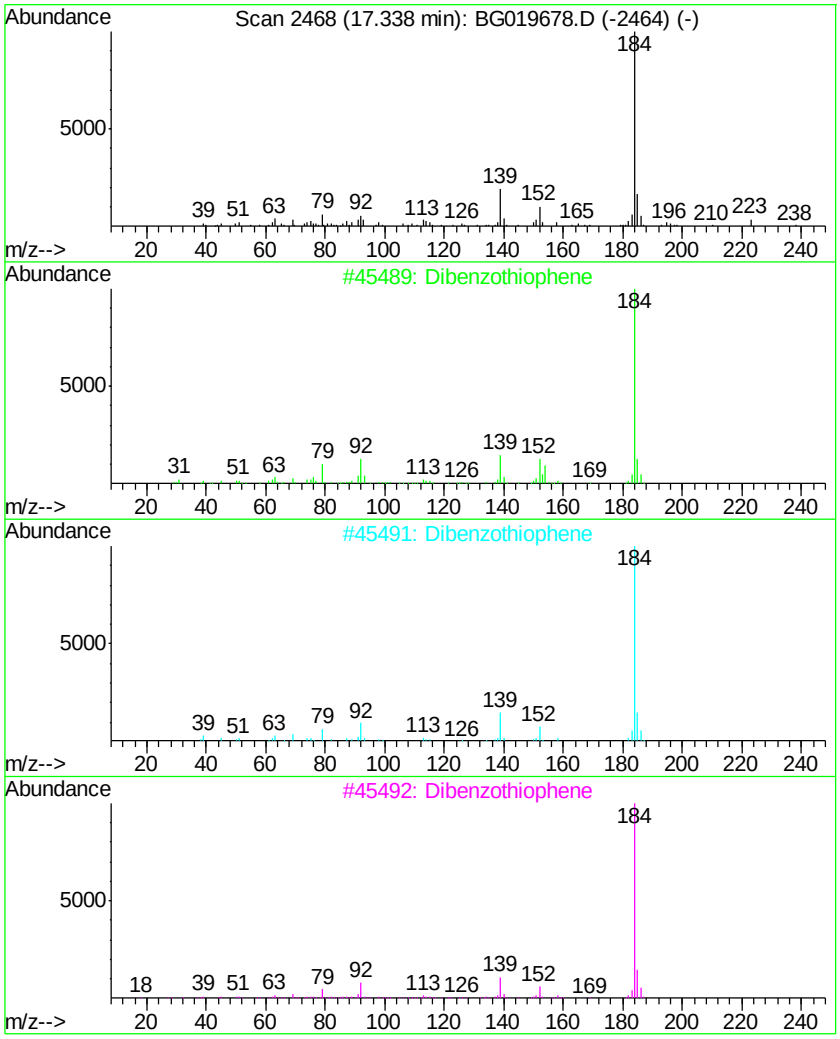
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

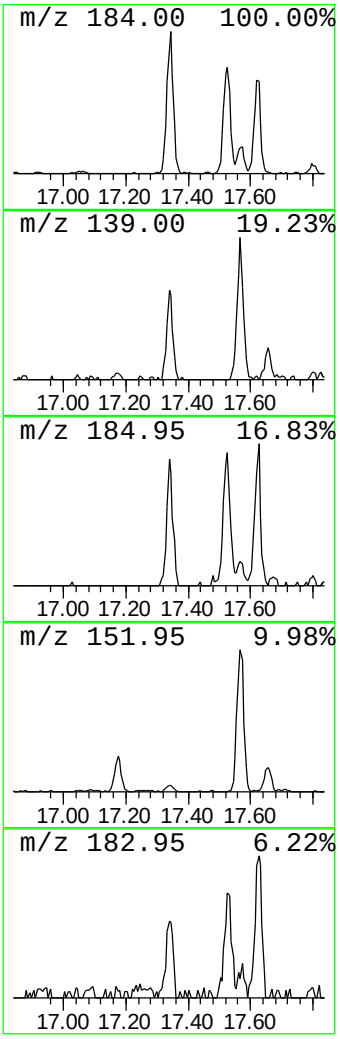
****

Peak Number 5 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	3.49 ng/ul	122621	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
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, 5-oxide	200	C12H8OS	001013-23-6	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

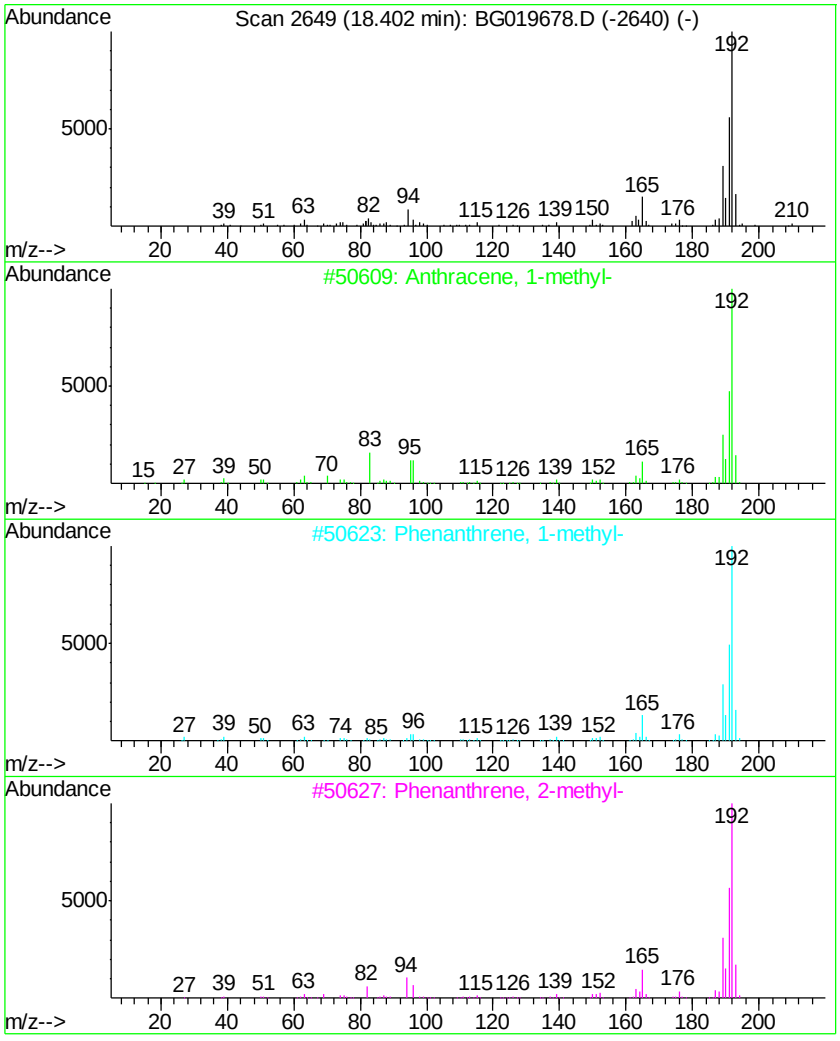
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

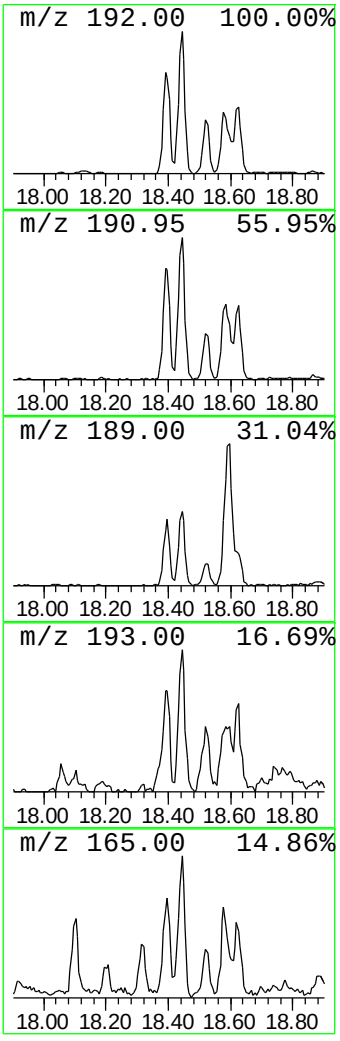
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	6.65 ng/ul	233684	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

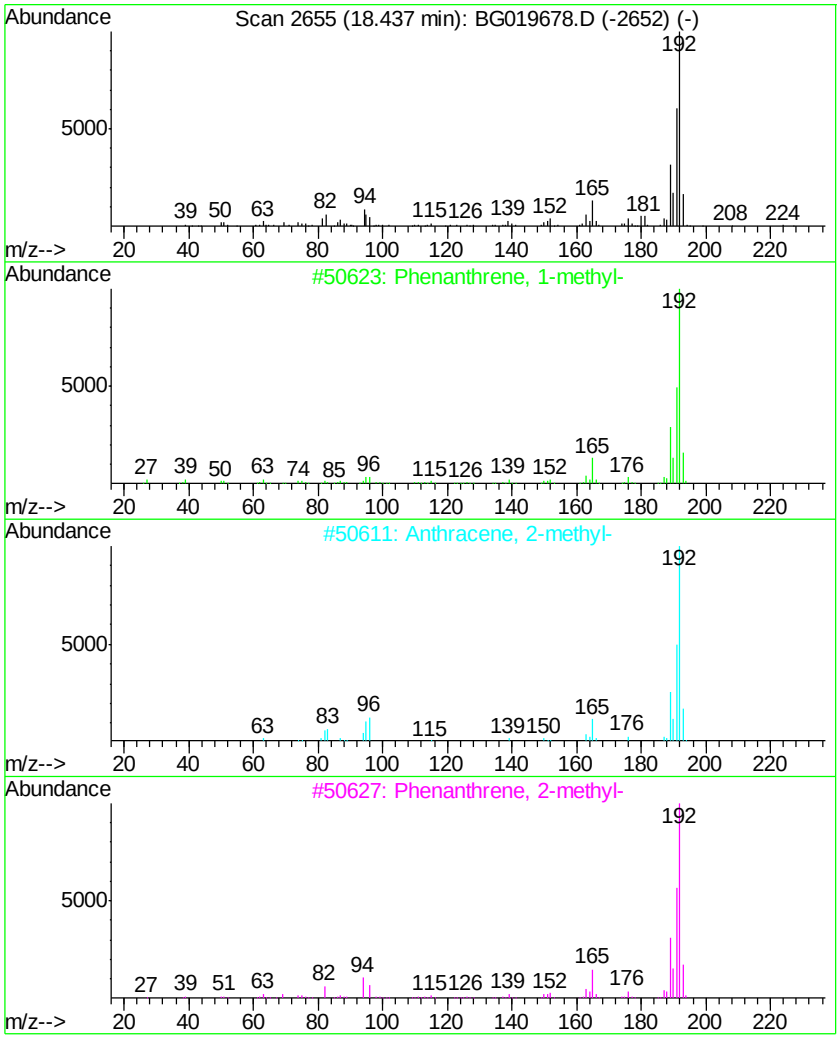
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

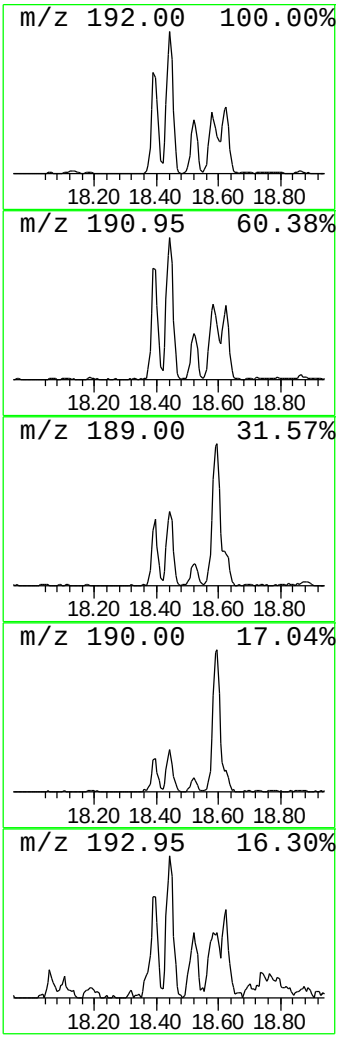
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	8.45 ng/ul	297010	Phenanthrene-d10	17.53

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	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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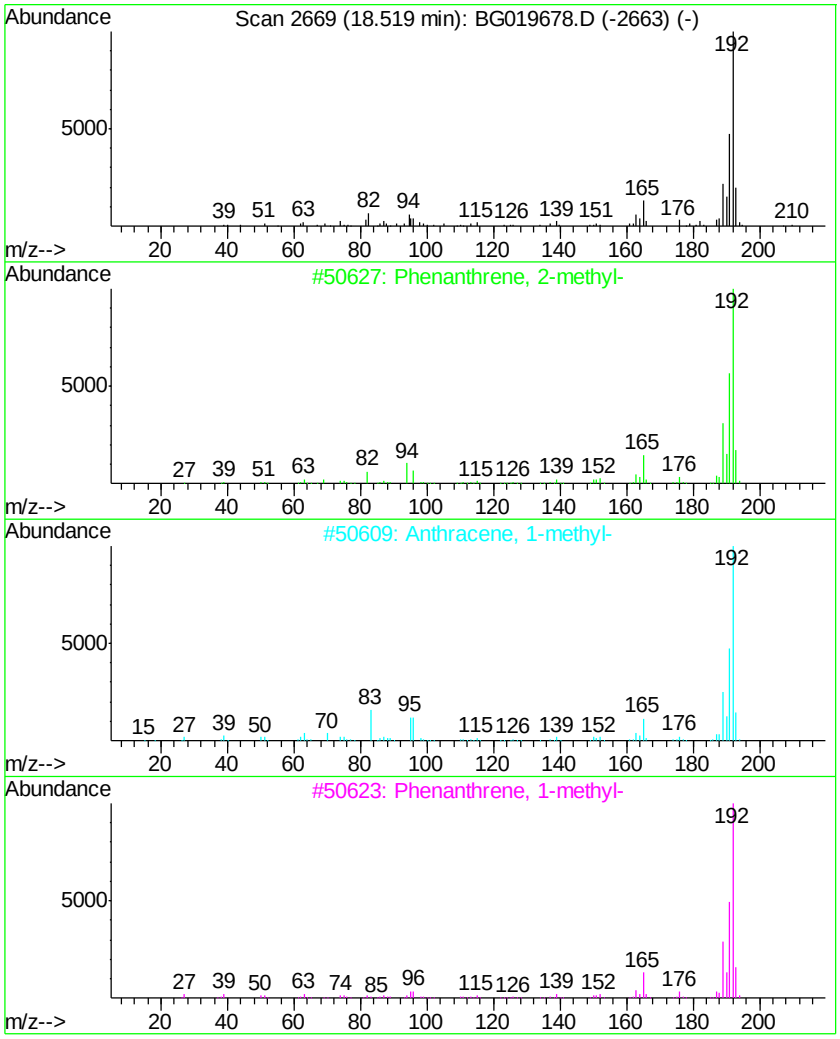
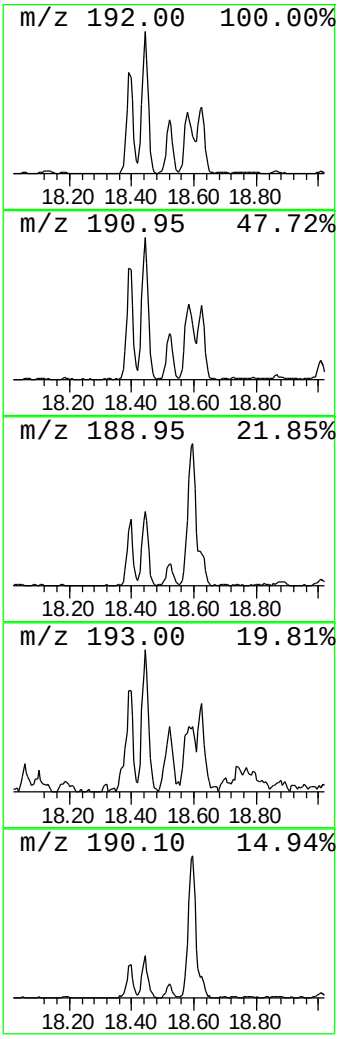
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	2.88 ng/ul	101259	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Operator : UM/NP
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

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Quant Title : SVOA CALIBRATION

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

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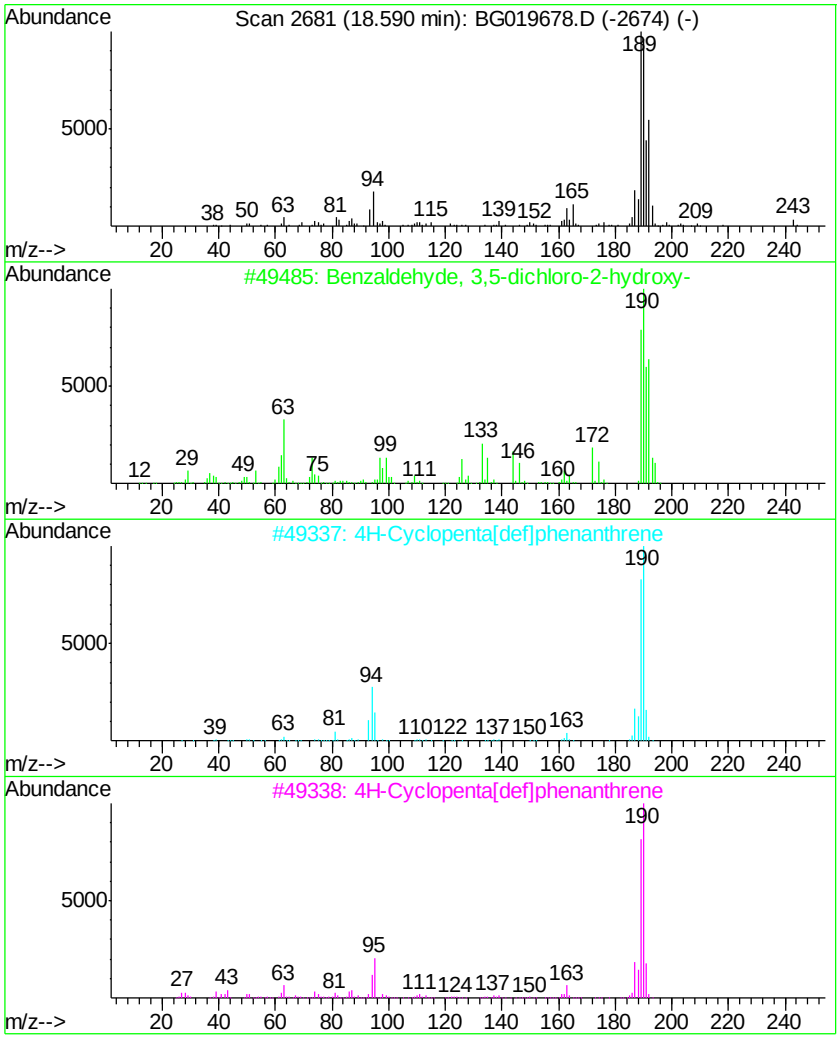
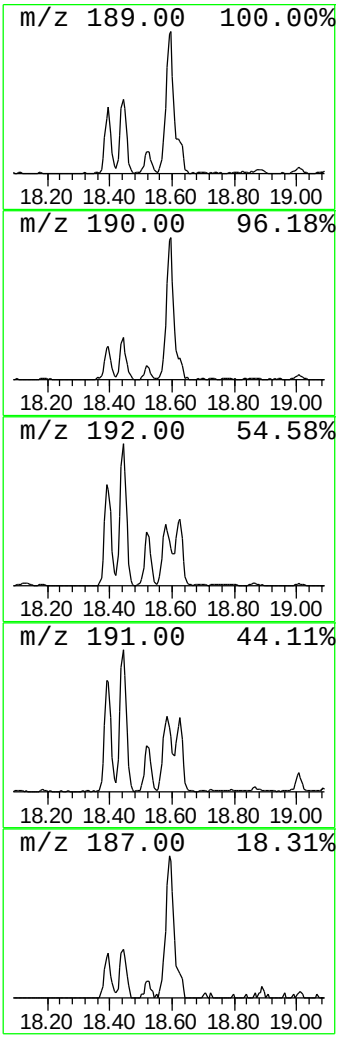
Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	8.91 ng/ul	313035	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
5	Methyl diselenide	190	C2H6Se2	007101-31-7	41





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Instrument : BNA_G
ClientSampleId : BC7B0

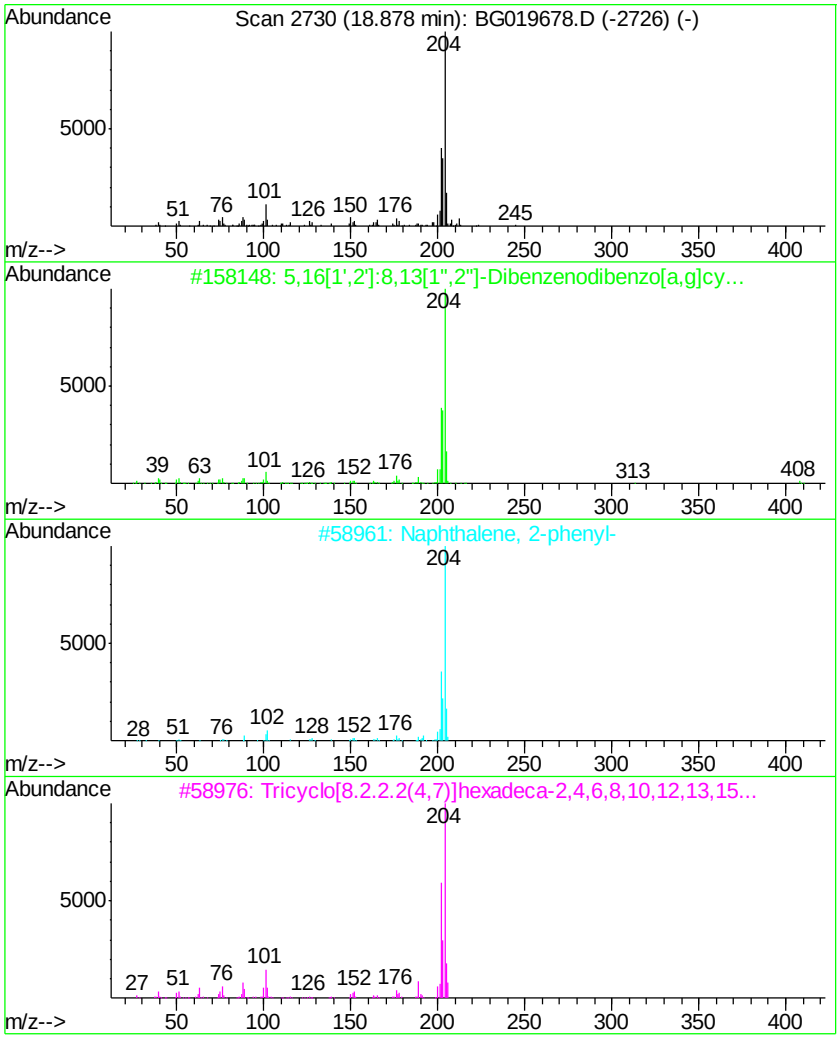
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

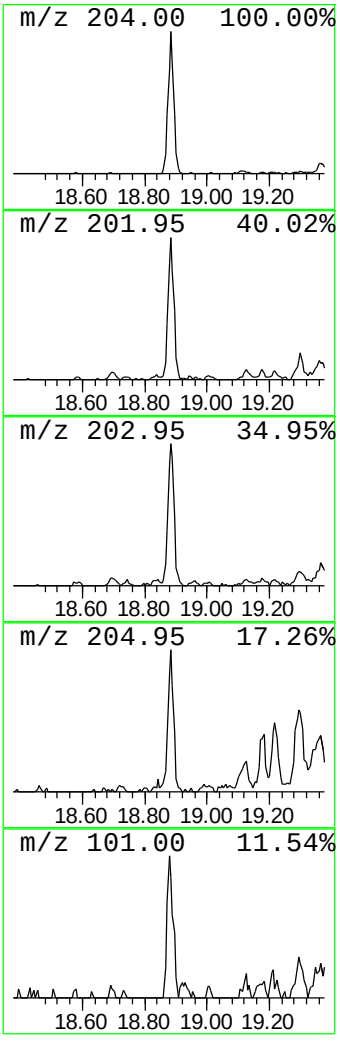
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	5.48 ng/ul	192625	Phenanthrene-d10	17.53

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	81
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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ClientSampleId : BC7B0

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Quant Title : SVOA CALIBRATION

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

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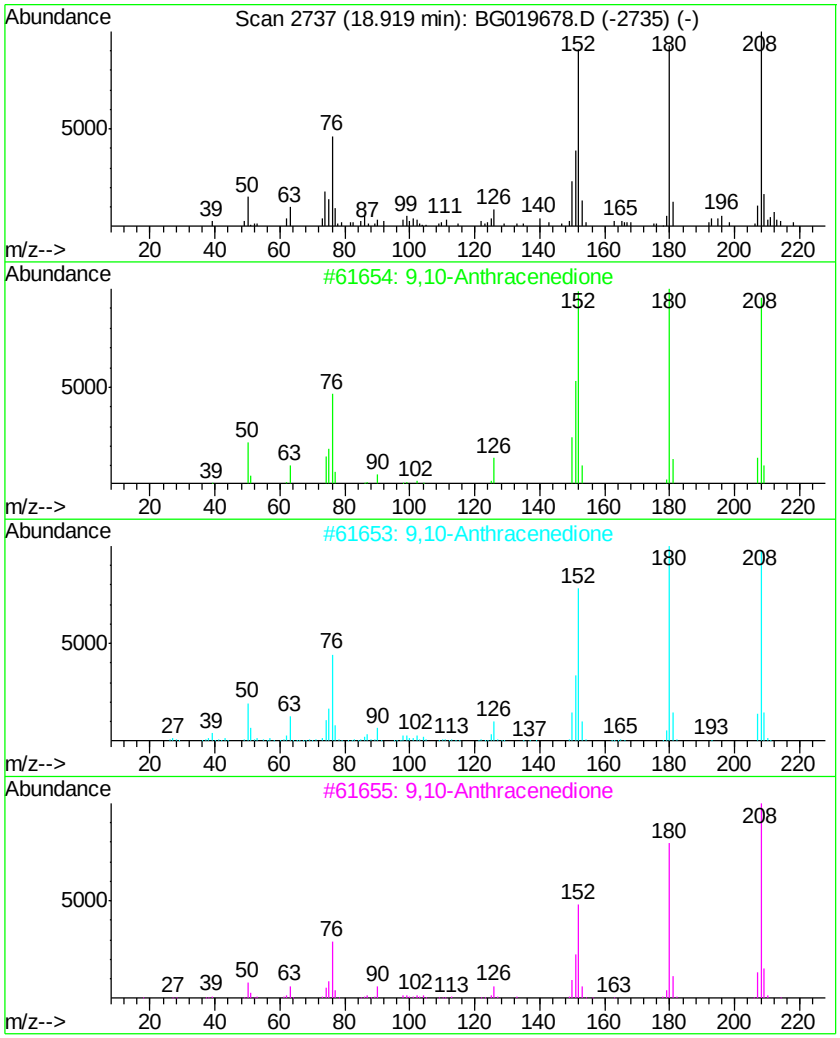
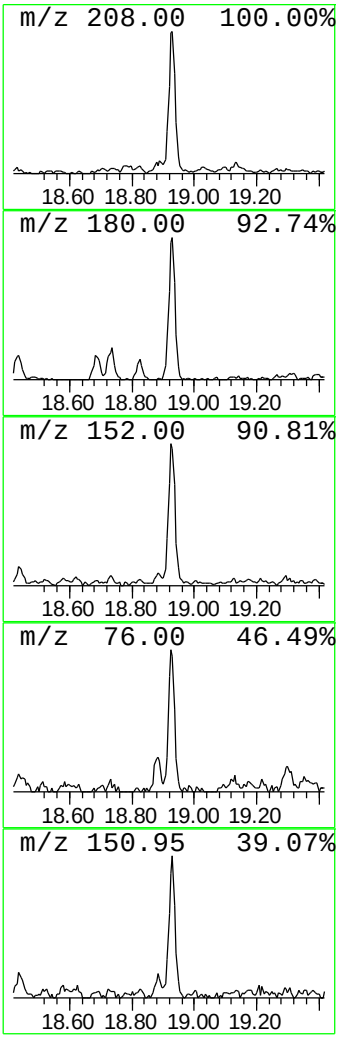
Peak Number 12 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	4.52 ng/ul	158797	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

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Quant Title : SVOA CALIBRATION

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

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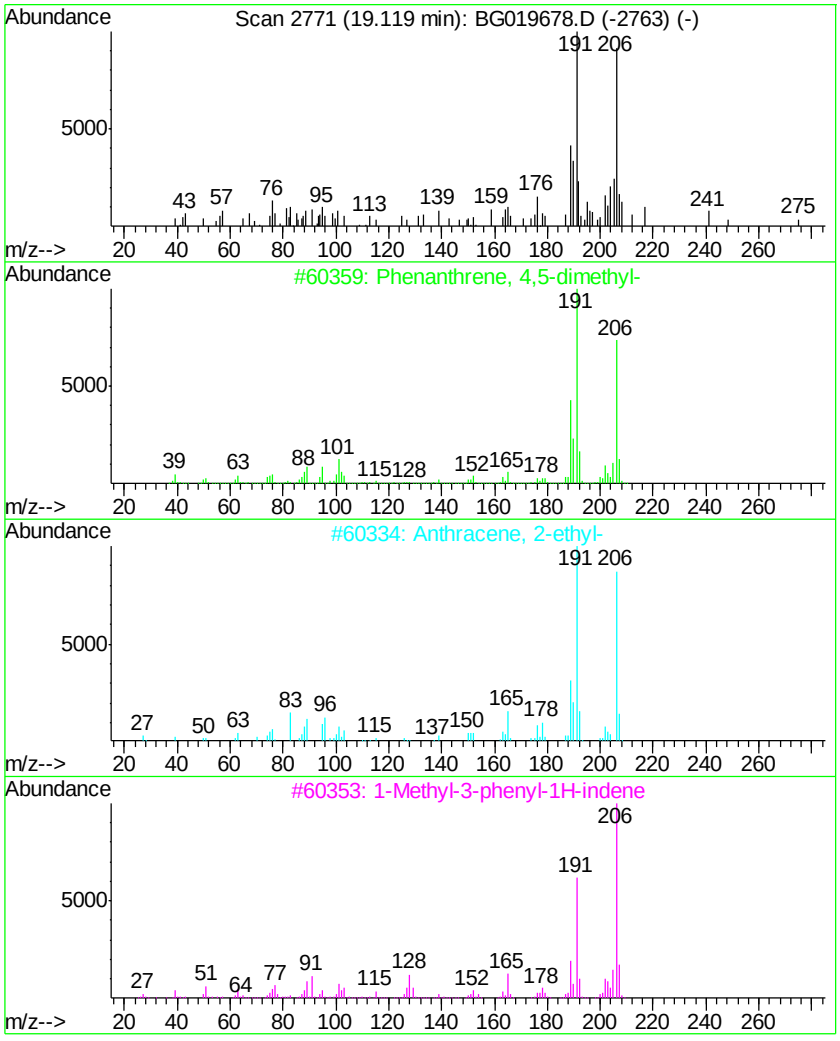
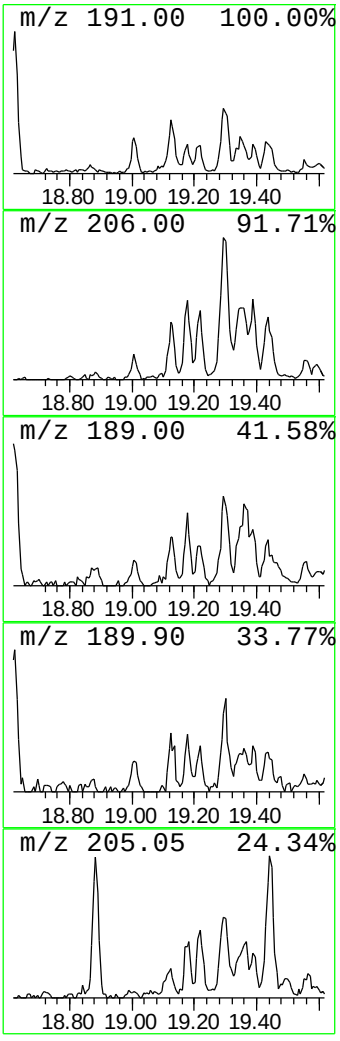
Peak Number 13 Phenanthrene, 4,5-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	2.37 ng/ul	83482	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90





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ClientSampleId : BC7B0

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Quant Title : SVOA CALIBRATION

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

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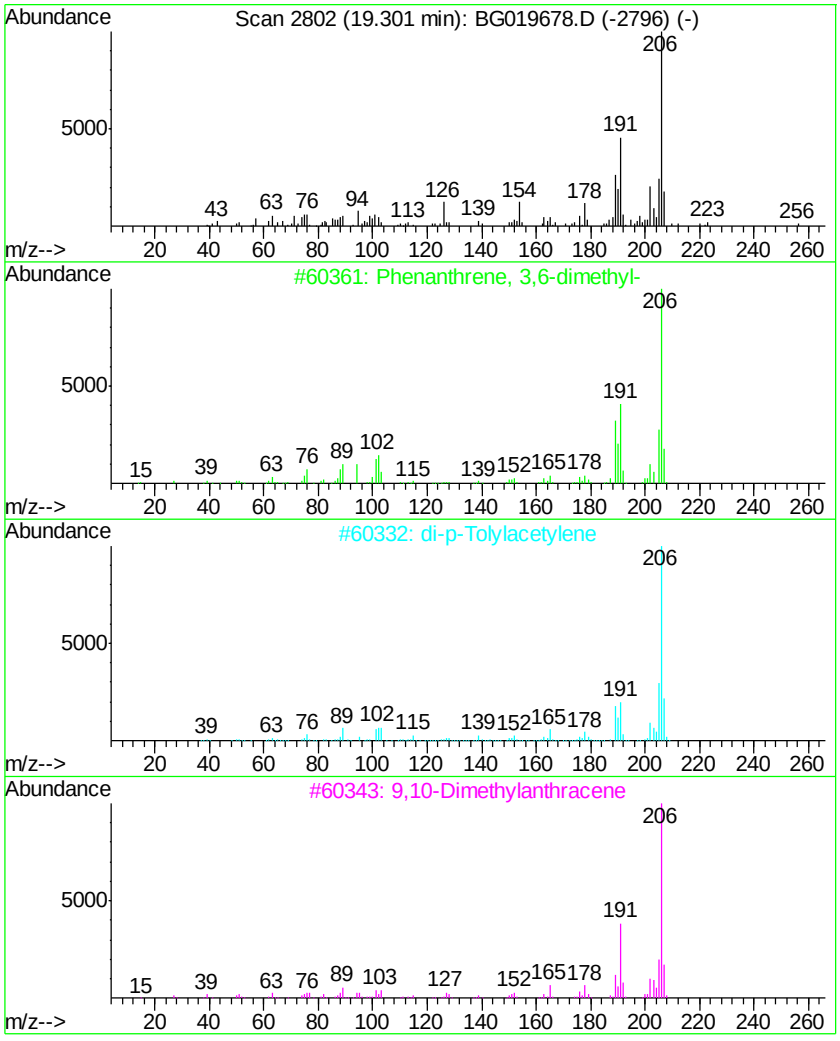
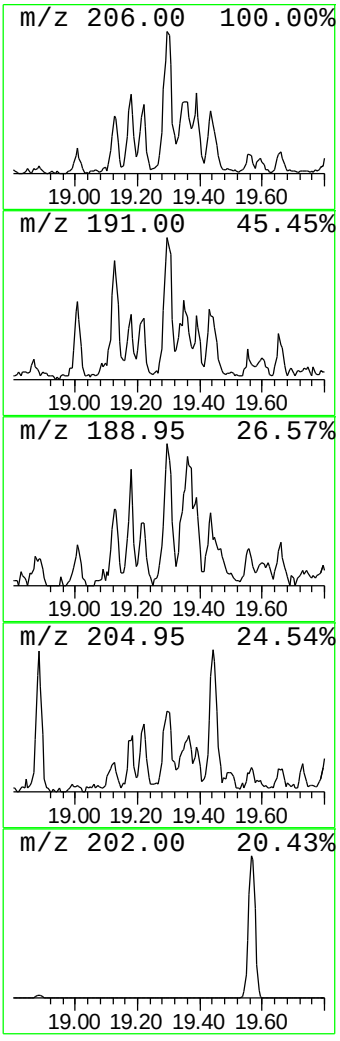
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	3.99 ng/ul	140355	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	81
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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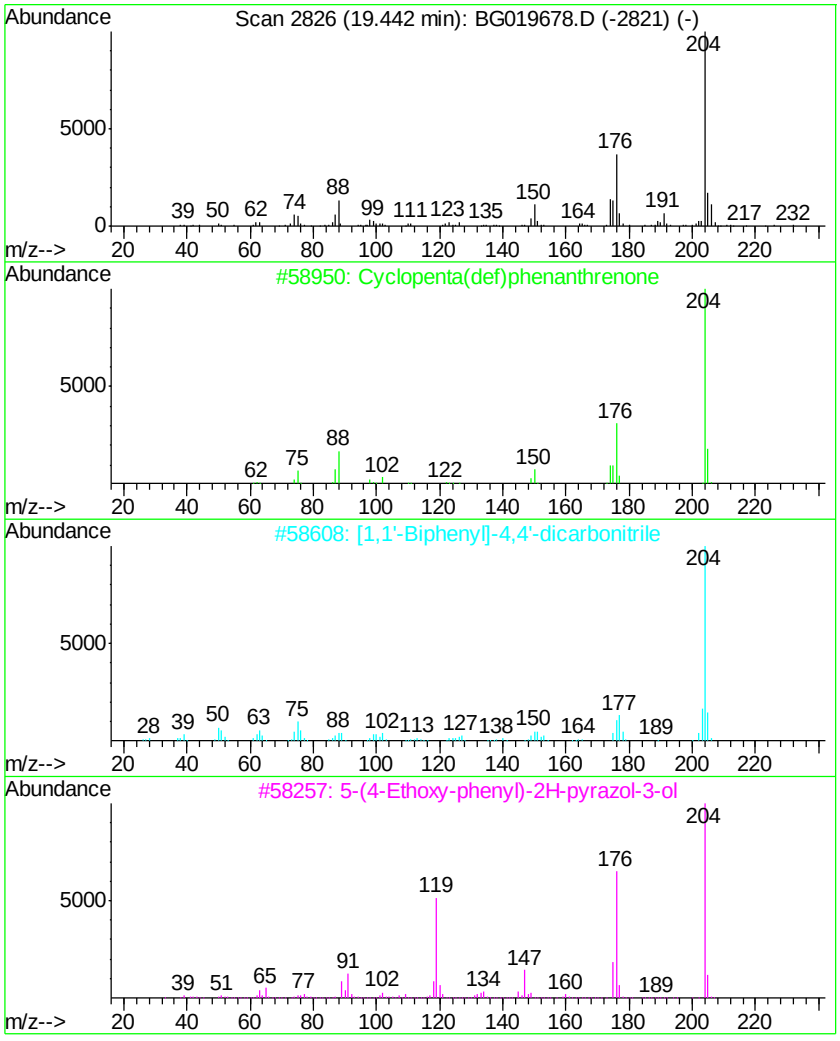
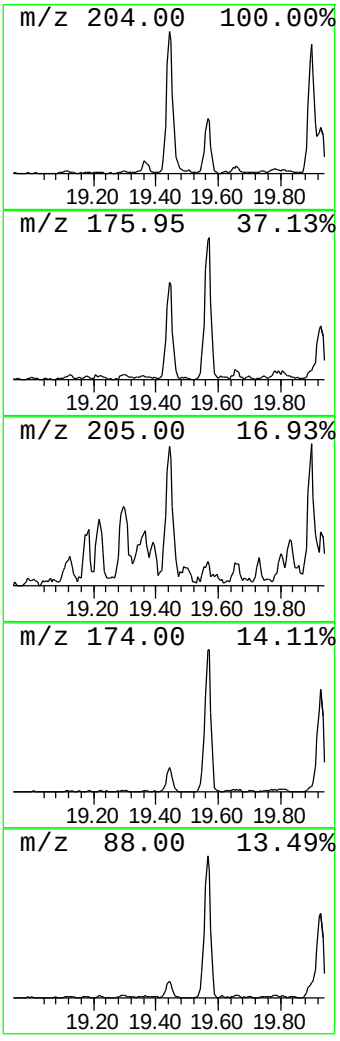
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	5.82 ng/ul	204462	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	53
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

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Quant Title : SVOA CALIBRATION

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

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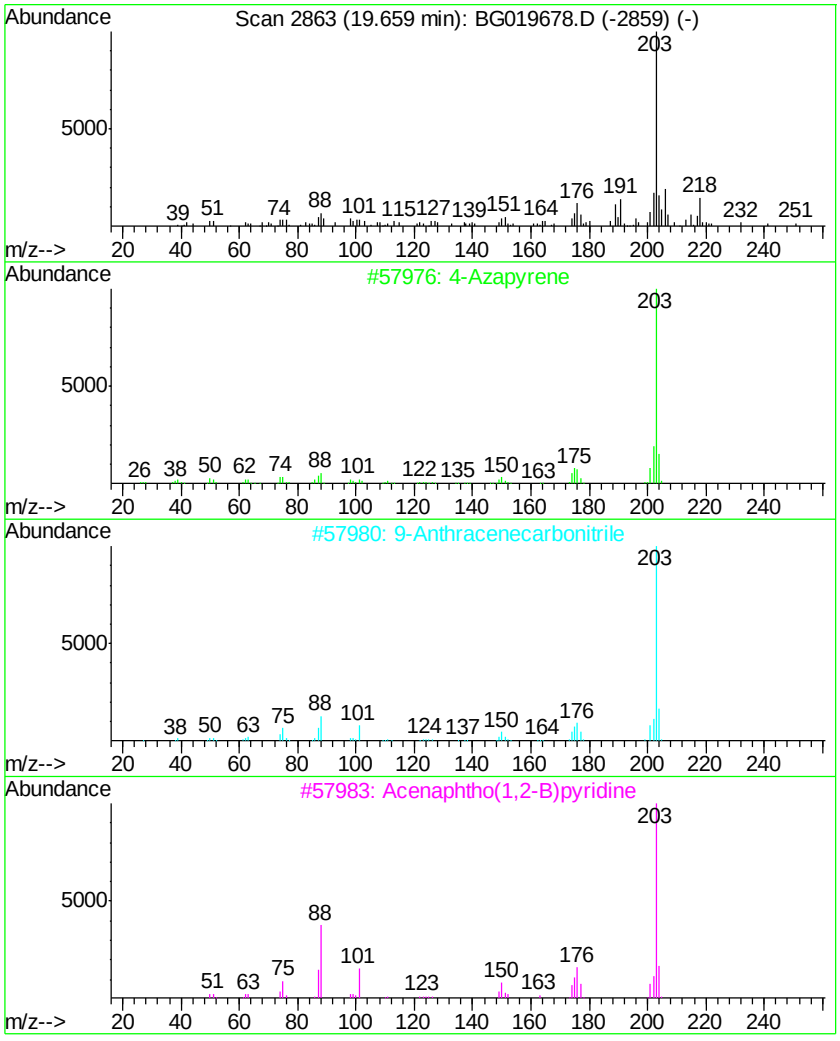
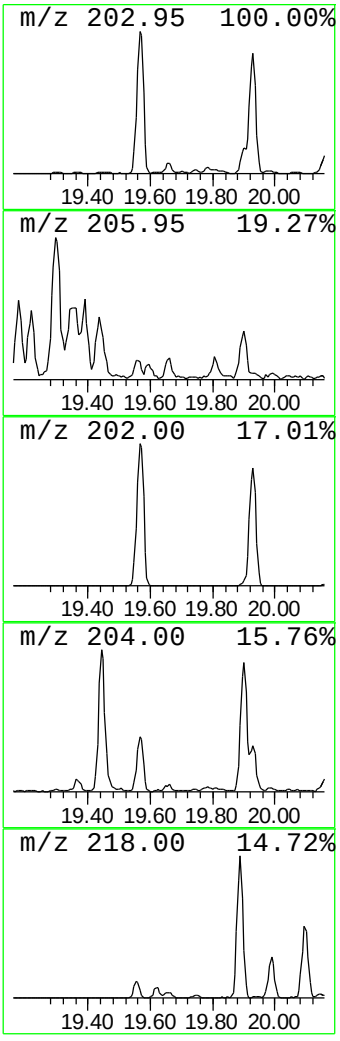
Peak Number 16 4-Azapyrene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.66	2.17 ng/ul	76410	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Azapyrene	203	C15H9N	000194-03-6	83
2	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	83
3	Acenaphtho(1,2-B)pyridine	203	C15H9N	000206-49-5	83
4	9-Cyanophenanthrene	203	C15H9N	002510-55-6	64
5	Acenaphtho(1,2-B)pyridine	203	C15H9N	000206-49-5	64





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Instrument : BNA_G
ClientSampleId : BC7B0

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Quant Title : SVOA CALIBRATION

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

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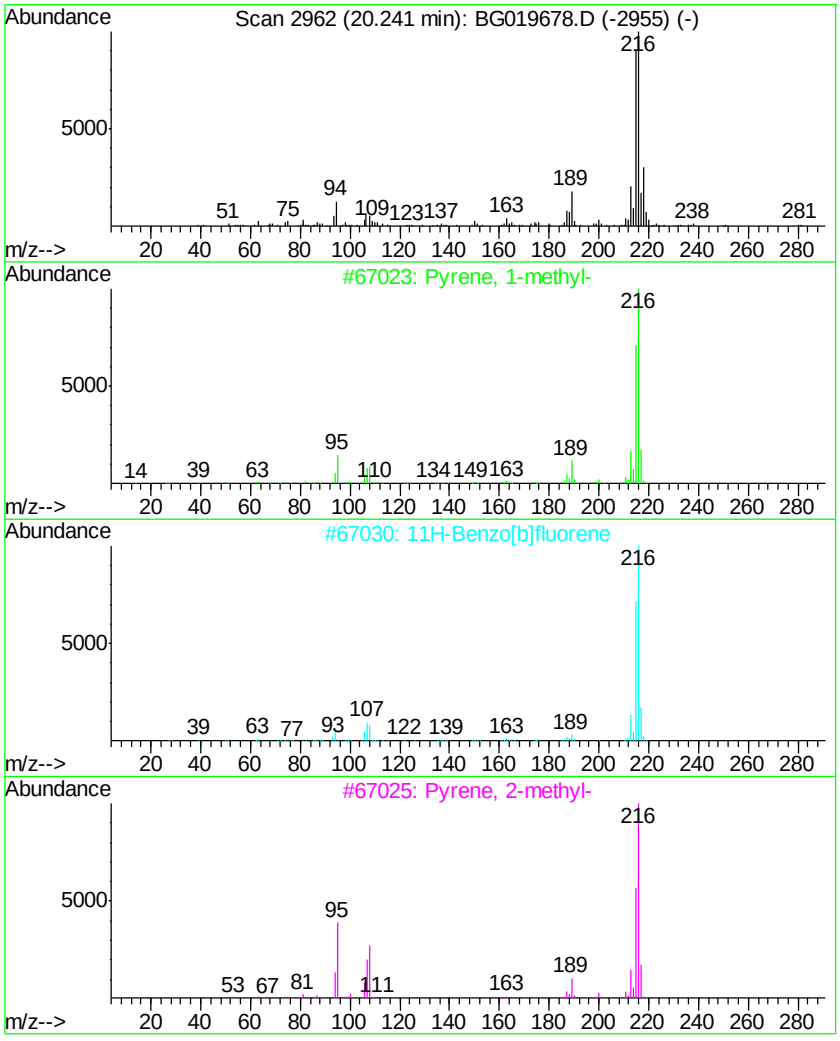
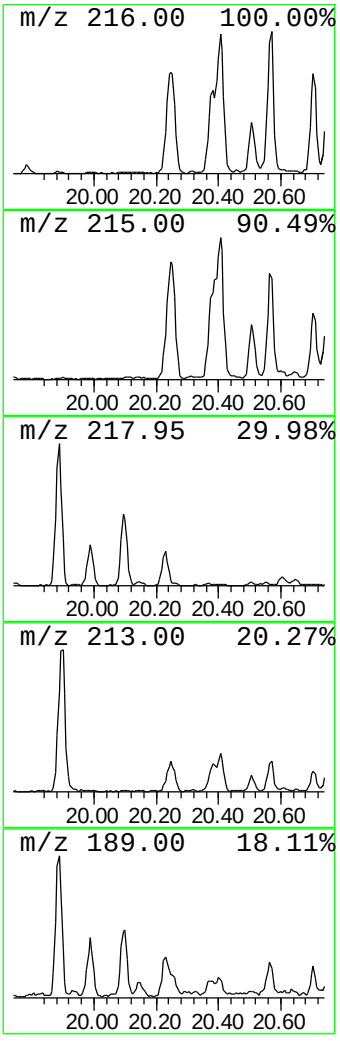
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	2.12 ng/ul	296948	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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Sample : G4427-09
Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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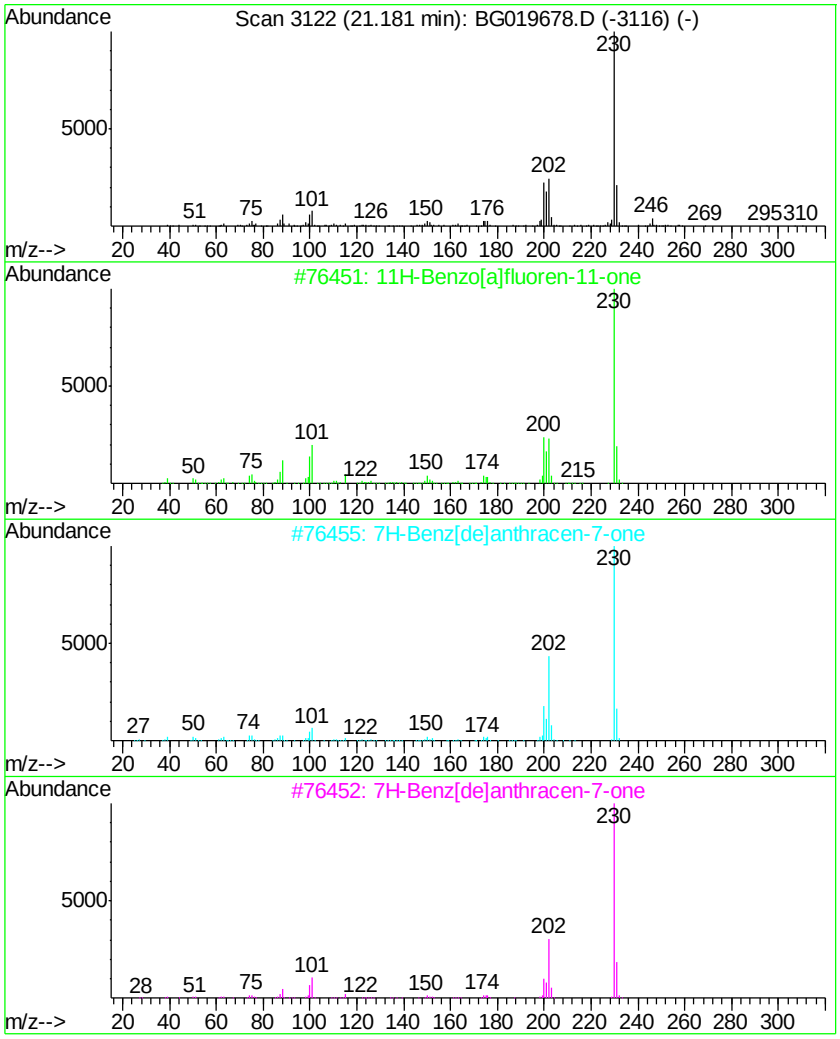
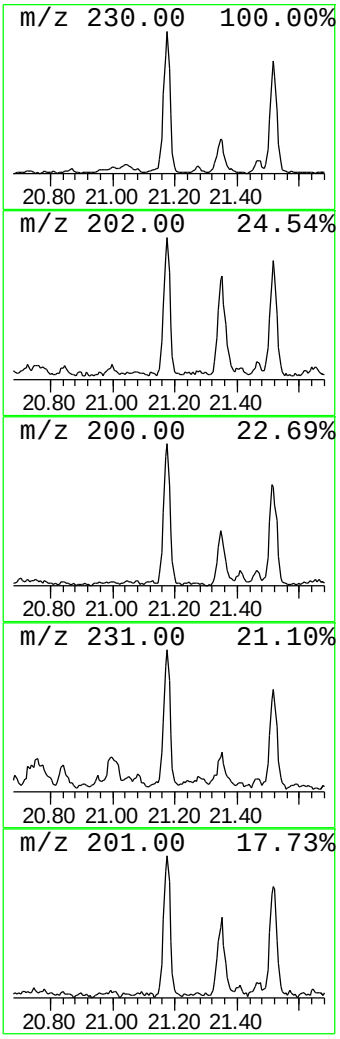
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.18	2.53 ng/ul	354743	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72





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Instrument : BNA_G
ClientSampleId : BC7B0

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Quant Title : SVOA CALIBRATION

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

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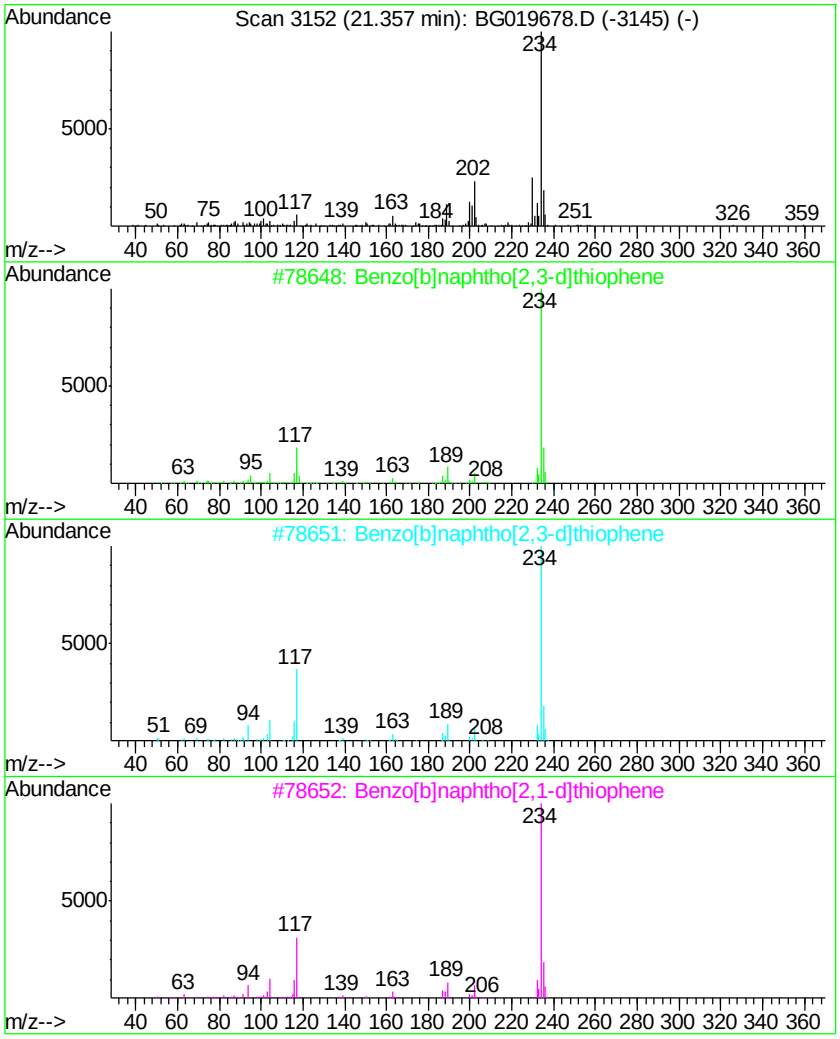
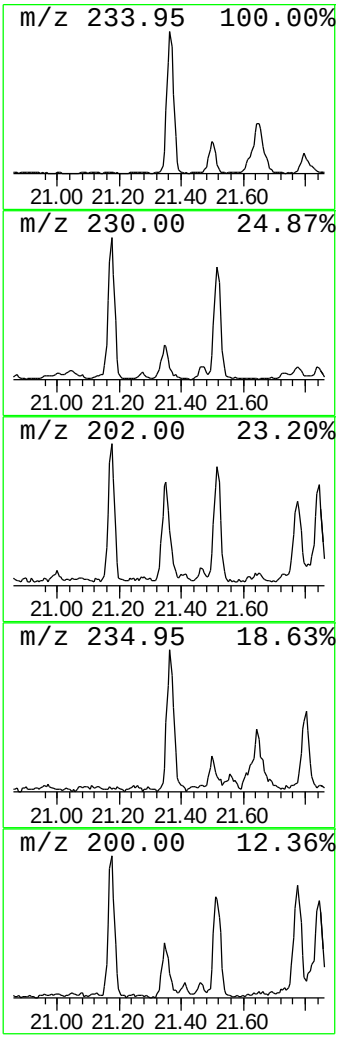
Peak Number 20 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	2.57 ng/ul	360752	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87





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Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

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Quant Title : SVOA CALIBRATION

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

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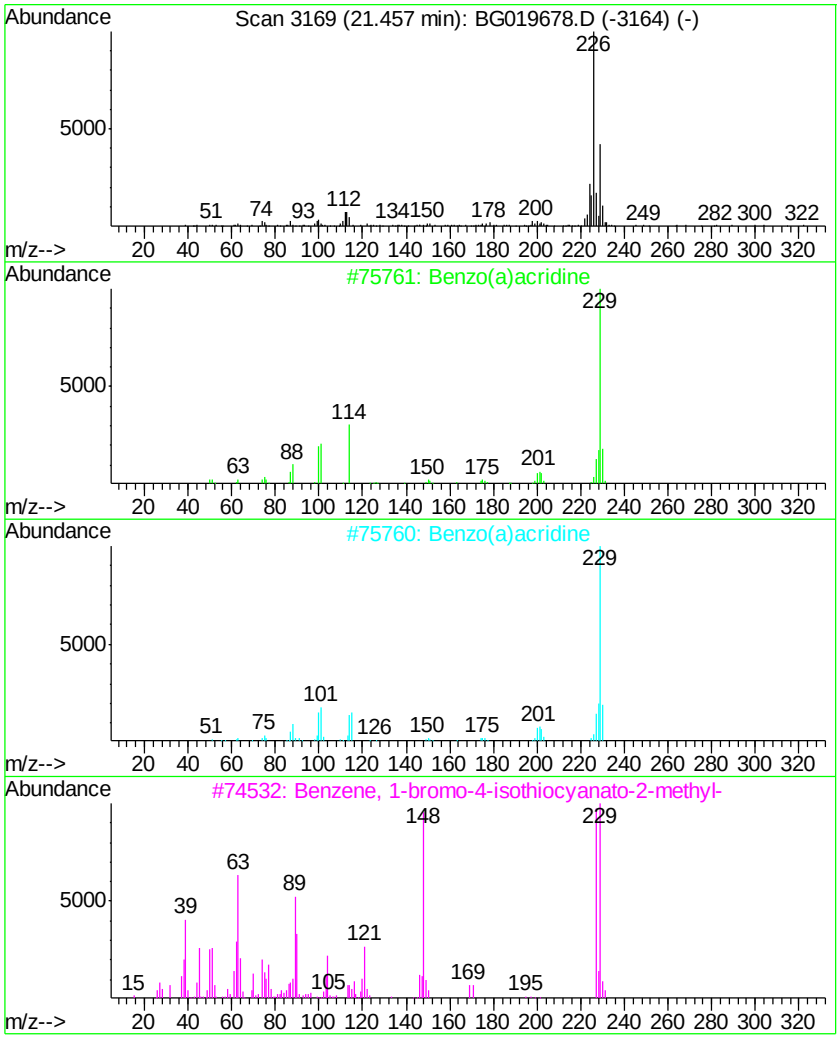
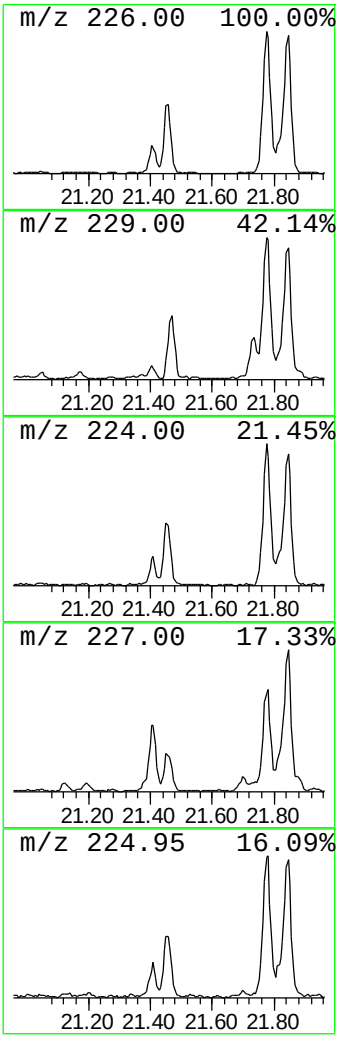
Peak Number 21 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	2.07 ng/ul	290735	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)acridine	229	C17H11N	000225-11-6	46
2	Benzo(a)acridine	229	C17H11N	000225-11-6	41
3	Benzene, 1-bromo-4-isothiocyanat...	227	C8H6BrNS	071672-88-3	35
4	Benz[c]acridine	229	C17H11N	000225-51-4	35
5	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	35





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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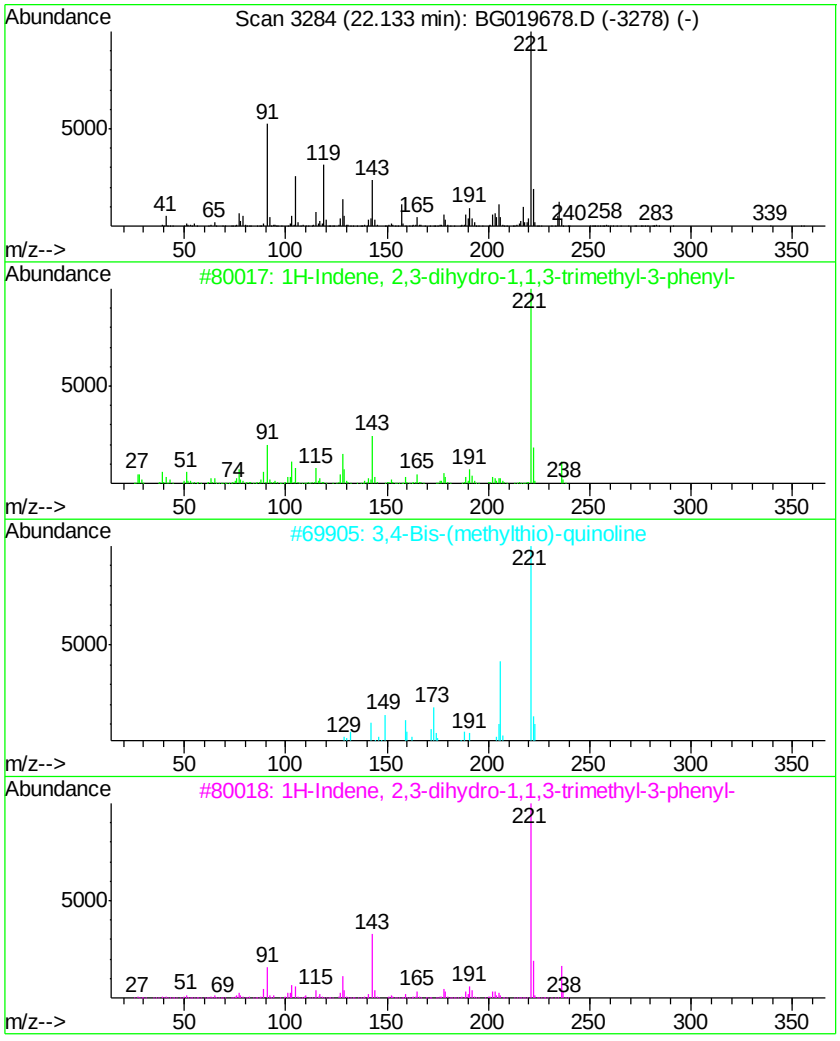
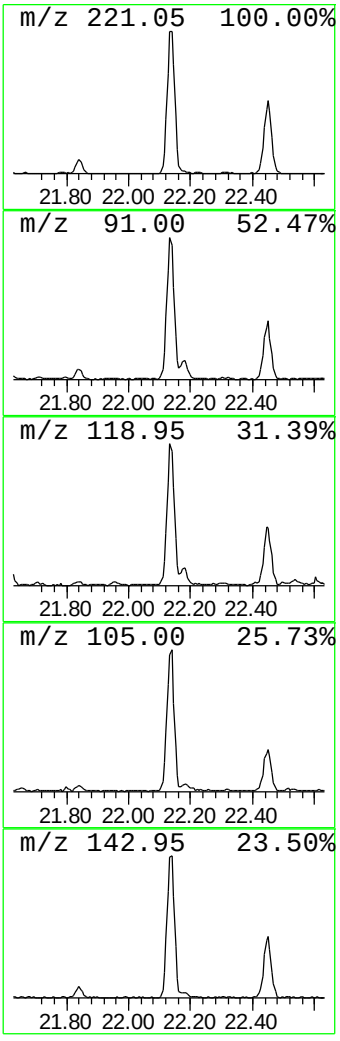
Peak Number 23 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.13	10.06 ng/ul	1411680	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	52
2	3,4-Bis-(methylthio)-quinoline	221	C11H11NS2	074579-34-3	50
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	50
4	1H-Indole, 1-ethyl-2-phenyl-	221	C16H15N	013228-39-2	46
5	4-Hydroxy-beta-phenylcinnamonitrile	221	C15H11NO	016281-90-6	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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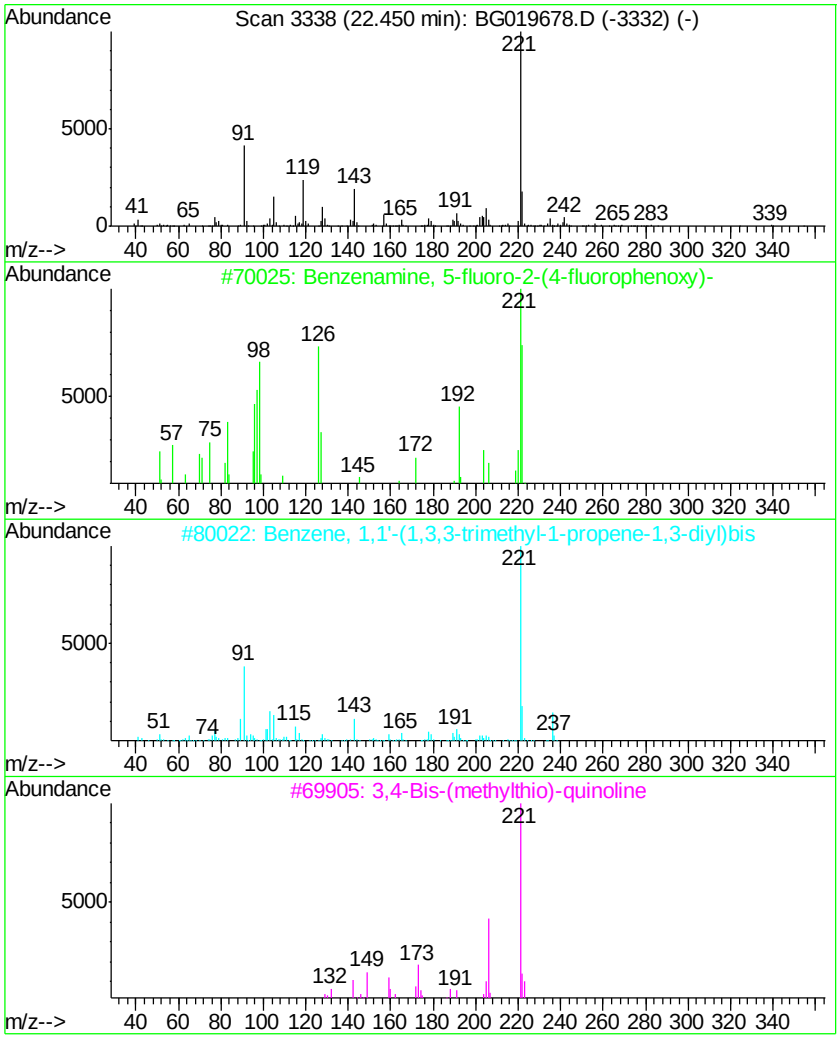
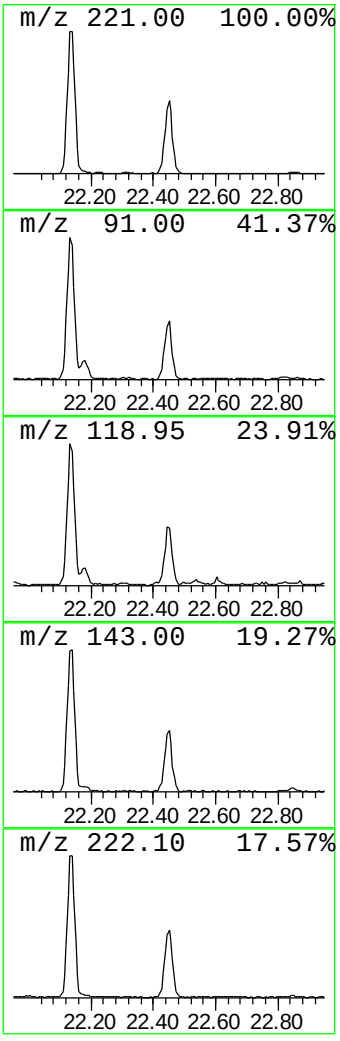
Peak Number 24 Benzenamine, 5-fluoro-2-(4-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.45	4.56 ng/ul	640109	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 5-fluoro-2-(4-fluor...	221	C12H9F2NO	020653-64-9	55
2	Benzene, 1,1'-(1,3,3-trimethyl-1...	236	C18H20	006258-73-7	53
3	3,4-Bis-(methylthio)-quinoline	221	C11H11NS2	074579-34-3	53
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	38
5	Boron, diethyl(5-ethyl-4,6-nonan...	250	C15H31BN2	136705-03-8	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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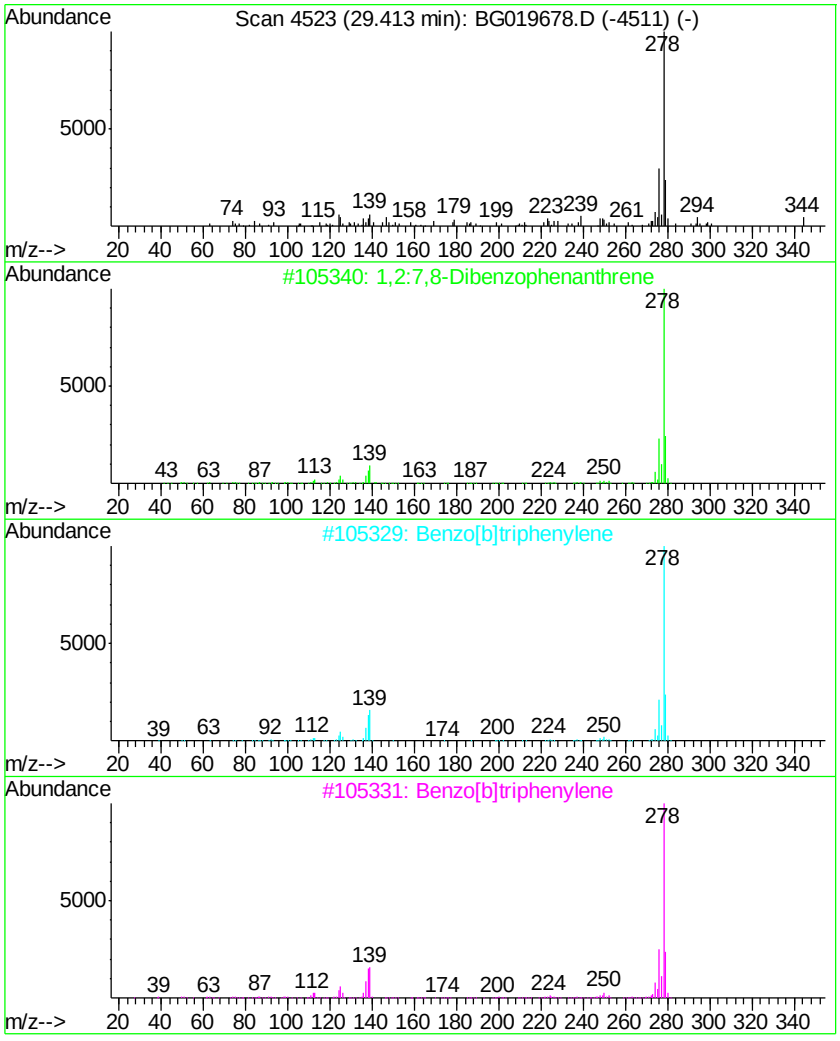
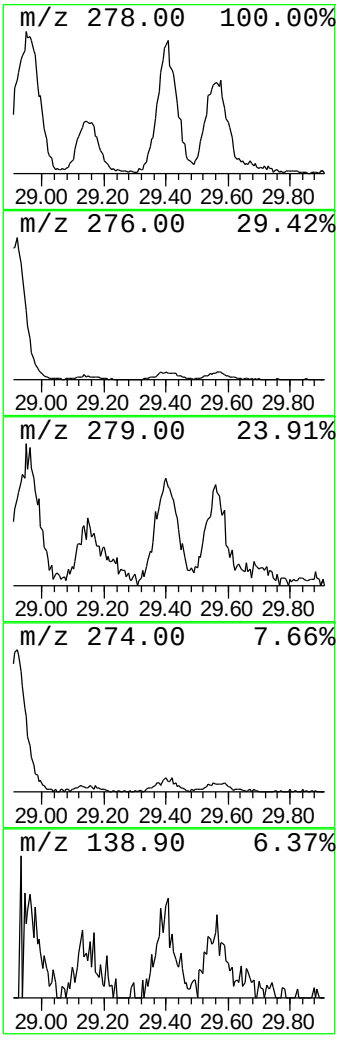
Peak Number 28 1,2:7,8-Dibenzophenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.41	4.43 ng/ul	206544	Perylene-d12	25.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	89
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	76
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	76
4	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	76
5	Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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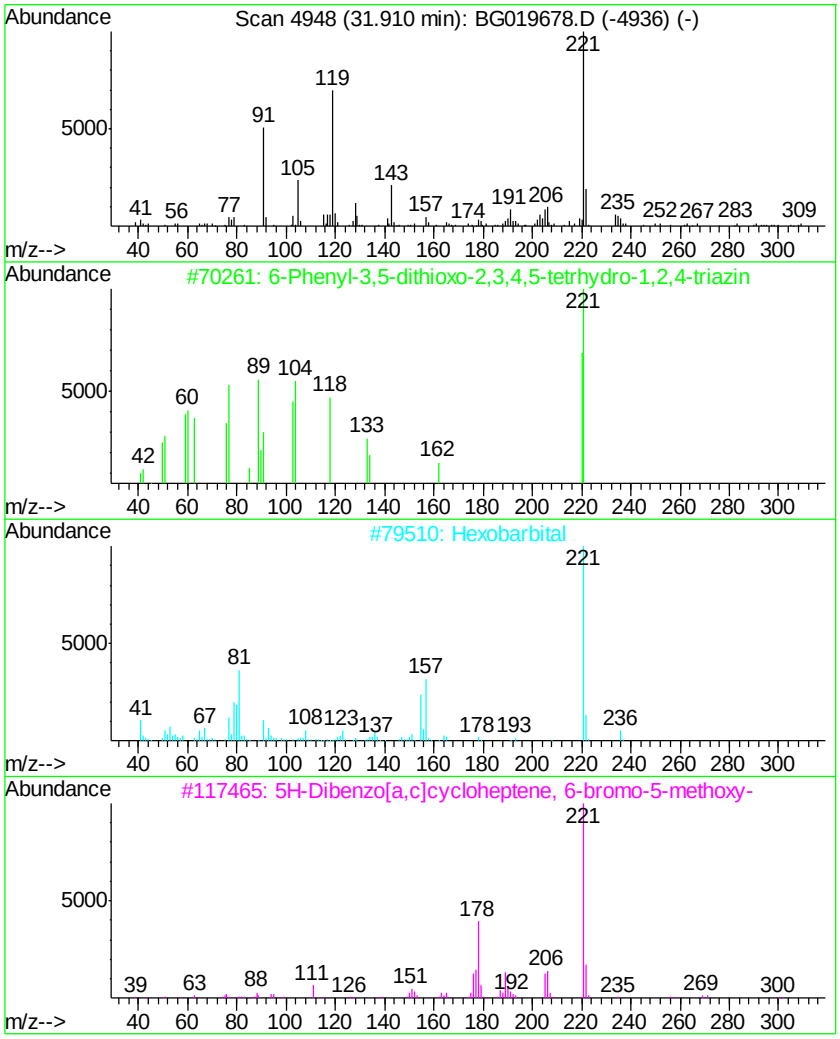
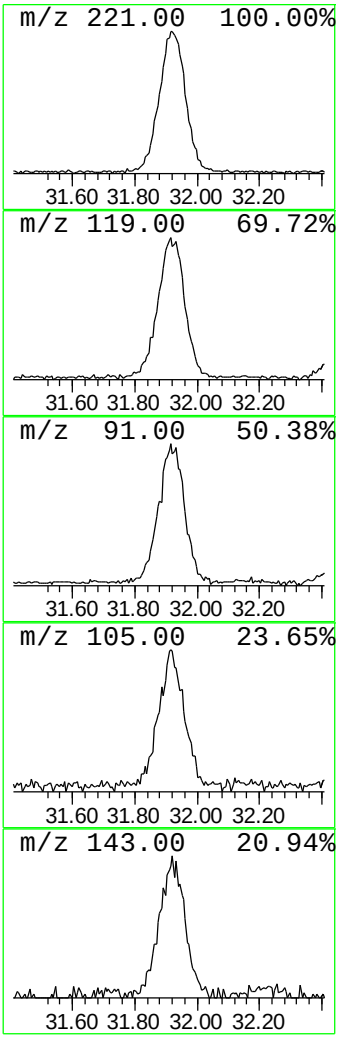
Peak Number 29 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.91	6.46 ng/ul	301067	Perylene-d12	25.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenyl-3,5-dithioxo-2,3,4,5-te...	221	C9H7N3S2	038119-57-2	46
2	Hexobarbital	236	C12H16N2O3	000056-29-1	38
3	5H-Dibenzo[a,c]cycloheptene, 6-b...	300	C16H13BrO	1000143-00-4	38
4	Benzenamine, 5-fluoro-2-(4-fluor...	221	C12H9F2NO	020653-64-9	35
5	1H-1,2,3-Triazole, 4,5-diphenyl-	221	C14H11N3	005533-73-3	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111715\
Data File : BG019678.D
Acq On : 18 Nov 2015 2:45
Operator : UM/NP
Sample : G4427-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.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
Butane, 2-methoxy...	3.17	240.5	ng/ul	1908840	1	8.15	158714	20.0
9H-Fluoren-9-one	17.17	6.6	ng/ul	232464	4	17.53	703048	20.0
Dibenzothiophene	17.34	3.5	ng/ul	122621	4	17.53	703048	20.0
Anthracene, 1-met...	18.40	6.7	ng/ul	233684	4	17.53	703048	20.0
Phenanthrene, 1-m...	18.44	8.4	ng/ul	297010	4	17.53	703048	20.0
Phenanthrene, 2-m...	18.52	2.9	ng/ul	101259	4	17.53	703048	20.0
Benzaldehyde, 3,5...	18.59	8.9	ng/ul	313035	4	17.53	703048	20.0
5,16[1',2']:8,13[...	18.88	5.5	ng/ul	192625	4	17.53	703048	20.0
9,10-Anthracenedione	18.92	4.5	ng/ul	158797	4	17.53	703048	20.0
Phenanthrene, 4,5...	19.12	2.4	ng/ul	83482	4	17.53	703048	20.0
Phenanthrene, 3,6...	19.30	4.0	ng/ul	140355	4	17.53	703048	20.0
Cyclopenta(def)ph...	19.44	5.8	ng/ul	204462	4	17.53	703048	20.0
4-Azapyrene	19.66	2.2	ng/ul	76410	4	17.53	703048	20.0
Pyrene, 1-methyl-	20.24	2.1	ng/ul	296948	5	21.80	2807940	20.0
11H-Benzo[a]fluor...	21.18	2.5	ng/ul	354743	5	21.80	2807940	20.0
Benzo[b]naphtho[2...	21.36	2.6	ng/ul	360752	5	21.80	2807940	20.0
unknown-01	21.46	2.1	ng/ul	290735	5	21.80	2807940	20.0
1H-Indene, 2,3-di...	22.13	10.1	ng/ul	1411680	5	21.80	2807940	20.0
Benzenamine, 5-fl...	22.45	4.6	ng/ul	640109	5	21.80	2807940	20.0
1,2:7,8-Dibenzoph...	29.41	4.4	ng/ul	206544	6	25.12	932012	20.0
unknown-02	31.91	6.5	ng/ul	301067	6	25.12	932012	20.0