LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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	3.109	41	46	49	rBV3	11437	20074	1.45%	0.136%
2	3.144	49	52	56	rVV2	16893	24814	1.79%	0.168%
3	3.185	56	59	64	rVV	12701	18581	1.34%	0.126%
4	3.996	192	197	204	rVV	14868	23468	1.69%	0.159%
5	7.245	745	750	759	rBB	7650	12962	0.94%	0.088%
6	7.404	772	777	783	rBV2	7202	13058	0.94%	0.089%
7	7.615	807	813	822	rBB2	8271	14409	1.04%	0.098%
8	8.085	887	893	903	rBB	65426	116477	8.41%	0.791%
9	9.248	1083	1091	1101	rBV2	8911	17146	1.24%	0.116%
10	10.523	1301	1308	1315	rBV	10317	18178	1.31%	0.123%
11	10.899	1365	1372	1378	rBV	103738	184496	13.32%	1.253%
12	10.952	1378	1381	1388	rVB	8759	12780	0.92%	0.087%
13	14.113	1912	1919	1924	rBV2	32744	47024	3.40%	0.319%
14	14.413	1962	1970	1978	rBB	34536	54234	3.92%	0.368%
15	14.718	2012	2022	2028	rBV2	179041	290713	20.99%	1.974%
16	14.777	2028	2032	2039	rVB	44400	66901	4.83%	0.454%
17	15.112	2083	2089	2098	rBB	17619	26341	1.90%	0.179%
18	15.706	2184	2190	2195	rBV3	50208	76400	5.52%	0.519%
19	15.758	2195	2199	2206	rVV	39671	59146	4.27%	0.402%
20	17.116	2424	2430	2438	rVB	10897	16203	1.17%	0.110%
21	17.210	2438	2446	2450	rBV4	8724	17530	1.27%	0.119%
22	17.280	2454	2458	2465	rVB	18758	26248	1.90%	0.178%
23	17.462	2481	2489	2492	rBV	236524	357887	25.84%	2.430%
24	17.503	2492	2496	2502	rVV	485377	740963	53.50%	5.031%
25	17.562	2502	2506	2508	rVV2	58987	88074	6.36%	0.598%
26	17.592	2508	2511	2517	rVV	83504	126852	9.16%	0.861%
27	17.650	2517	2521	2526	rVB	9859	15193	1.10%	0.103%
28	17.862	2547	2557	2567	rBV2	54443	91073	6.58%	0.618%
29	18.338	2630	2638	2642	rBV	29990	47001	3.39%	0.319%
30	18.385	2642	2646	2652	rVB	46068	67727	4.89%	0.460%
31	18.467	2652	2660	2664	rBV	10992	18700	1.35%	0.127%
32	18.532	2664	2671	2675	rBV2	83528	142872	10.32%	0.970%
33	18.825	2715	2721	2725	rVV	33014	47018	3.39%	0.319%
34	18.872	2725	2729	2735	rVV2	49675	69354	5.01%	0.471%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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	19.243	2785	2792	2798	rBV4	10946	23163	1.67%	0.157%
36	19.389	2811	2817	2824	rBV	21541	34984	2.53%	0.238%
37	19.513	2831	2838	2844	rBV	968649	1354844	97.82%	9.198%
38	19.601	2850	2853	2859	rVB2	14542	18977	1.37%	0.129%
39	19.754	2872	2879	2888	rVB2	23607	47862	3.46%	0.325%
40	19.842	2888	2894	2896	rBV3	216224	357969	25.84%	2.430%
41	19.871	2896	2899	2906	rVV	763877	1079615	77.95%	7.330%
42	19.936	2906	2910	2916	rVB	27190	37927	2.74%	0.257%
43	20.047	2922	2929	2934	rBV	39088	55813	4.03%	0.379%
44	20.112	2934	2940	2947	rVB	42080	61549	4.44%	0.418%
45	20.189	2947	2953	2959	rBV3	36127	82691	5.97%	0.561%
46	20.247	2959	2963	2968	rVB	17040	21692	1.57%	0.147%
47	20.324	2969	2976	2977	rBV2	25551	37508	2.71%	0.255%
48	20.359	2977	2982	2987	rVB	115242	169416	12.23%	1.150%
49	20.459	2994	2999	3003	rBV	90812	131894	9.52%	0.895%
50	20.518	3003	3009	3012	rVV2	44258	80913	5.84%	0.549%
51	20.553	3012	3015	3019	rVV	44418	53678	3.88%	0.364%
52	20.594	3019	3022	3027	rVB3	12050	17625	1.27%	0.120%
53	20.659	3027	3033	3036	rBV	25757	37536	2.71%	0.255%
54	20.700	3036	3040	3044	rVV	27185	39346	2.84%	0.267%
55	20.952	3079	3083	3086	rBV3	9239	13058	0.94%	0.089%
56	20.993	3086	3090	3095	rVB4	12183	18293	1.32%	0.124%
57	21.076	3100	3104	3108	rBV5	12671	24278	1.75%	0.165%
58	21.123	3108	3112	3120	rVB2	40109	67600	4.88%	0.459%
59	21.311	3135	3144	3148	rBV3	63990	121132	8.75%	0.822%
60	21.352	3148	3151	3155	rVV	62348	89772	6.48%	0.609%
61	21.405	3155	3160	3165	rVV2	75763	150777	10.89%	1.024%
62	21.458	3165	3169	3178	rVB2	51721	93724	6.77%	0.636%
63	21.593	3183	3192	3199	rBV	19167	49370	3.56%	0.335%
64	21.722	3201	3214	3221	rVV3	504388	1385066	100.00%	9.403%
65	21.787	3221	3225	3237	rVV	390949	666563	48.12%	4.525%
66	21.939	3245	3251	3258	rVV	97369	171702	12.40%	1.166%
67	22.010	3258	3263	3266	rVV4	14131	29981	2.16%	0.204%
68	22.080	3268	3275	3280	rVV2	22591	55736	4.02%	0.378%
69	22.145	3280	3286	3293	rVV2	56551	117541	8.49%	0.798%
70	22.210	3294	3297	3307	rVB4	9924	22720	1.64%	0.154%
71	22.339	3309	3319	3321	rBV6	10208	24751	1.79%	0.168%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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	22.392	3324	3328	3332	rVV4	13771	28207	2.04%	0.192%
73	22.474	3333	3342	3347	rVV	39735	106804	7.71%	0.725%
74	22.545	3347	3354	3362	rVV3	27495	70432	5.09%	0.478%
75	22.639	3364	3370	3374	rVV4	14061	30584	2.21%	0.208%
76	22.686	3374	3378	3384	rVV2	23419	48656	3.51%	0.330%
77	22.750	3384	3389	3393	rVV2	33263	69658	5.03%	0.473%
78	22.803	3393	3398	3405	rVB5	38968	82935	5.99%	0.563%
79	22.891	3405	3413	3422	rBV3	19495	50852	3.67%	0.345%
80	23.150	3451	3457	3464	rBV3	14322	42314	3.06%	0.287%
81	23.220	3465	3469	3480	rVB3	12885	33421	2.41%	0.227%
82	23.590	3519	3532	3541	rBV5	20410	66499	4.80%	0.451%
83	23.837	3569	3574	3581	rVB	9374	19835	1.43%	0.135%
84	23.972	3586	3597	3604	rBV	289659	991397	71.58%	6.731%
85	24.137	3621	3625	3633	rVB4	8569	17586	1.27%	0.119%
86	24.225	3633	3640	3648	rVB	42373	103173	7.45%	0.700%
87	24.436	3668	3676	3682	rBV6	15361	49385	3.57%	0.335%
88	24.577	3696	3700	3707	rVB6	7998	15668	1.13%	0.106%
89	24.707	3711	3722	3729	rBV2	159383	461233	33.30%	3.131%
90	24.854	3738	3747	3761	rVB	238871	661901	47.79%	4.494%
91	25.006	3761	3773	3780	rBV	159583	477971	34.51%	3.245%
92	25.077	3780	3785	3801	rVB	73185	217535	15.71%	1.477%
93	25.435	3837	3846	3847	rBV5	6287	16168	1.17%	0.110%
94	26.117	3958	3962	3968	rVB8	5408	14904	1.08%	0.101%
95	26.399	4000	4010	4021	rVB5	13136	45453	3.28%	0.309%
96	28.308	4309	4335	4337	rBV5	19779	101488	7.33%	0.689%
97	28.737	4393	4408	4430	rVB4	106155	539149	38.93%	3.660%
98	29.384	4505	4518	4528	rBV3	15723	70601	5.10%	0.479%
99	29.907	4589	4607	4620	rBV2	81471	401605	29.00%	2.727%
100	30.523	4700	4712	4727	rVB3	16150	76948	5.56%	0.522%

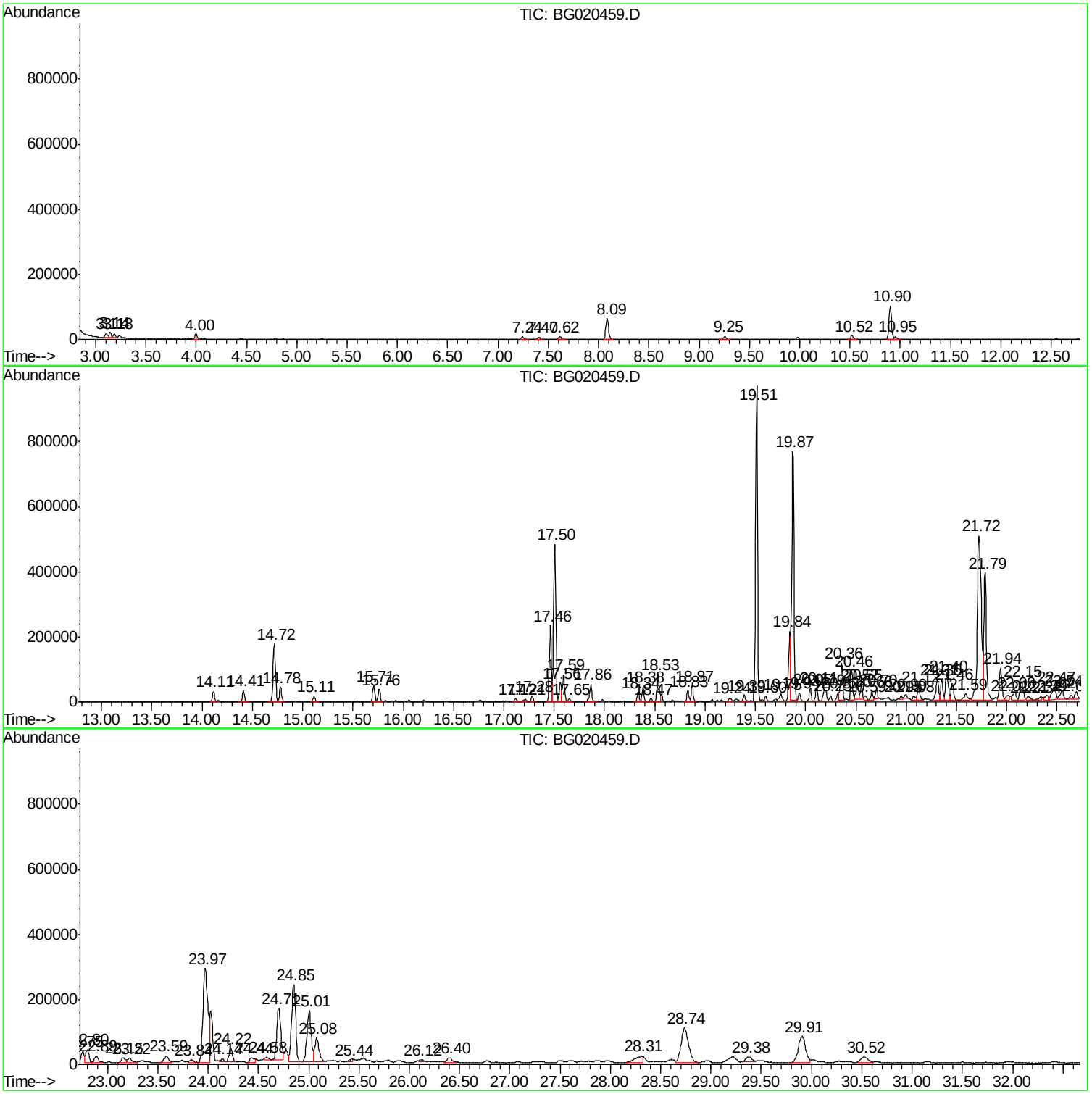
Sum of corrected areas: 14729325

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E43M4DL

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\BG122215\
Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
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Instrument : BNA_G
ClientSampleId : E43M4DL

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

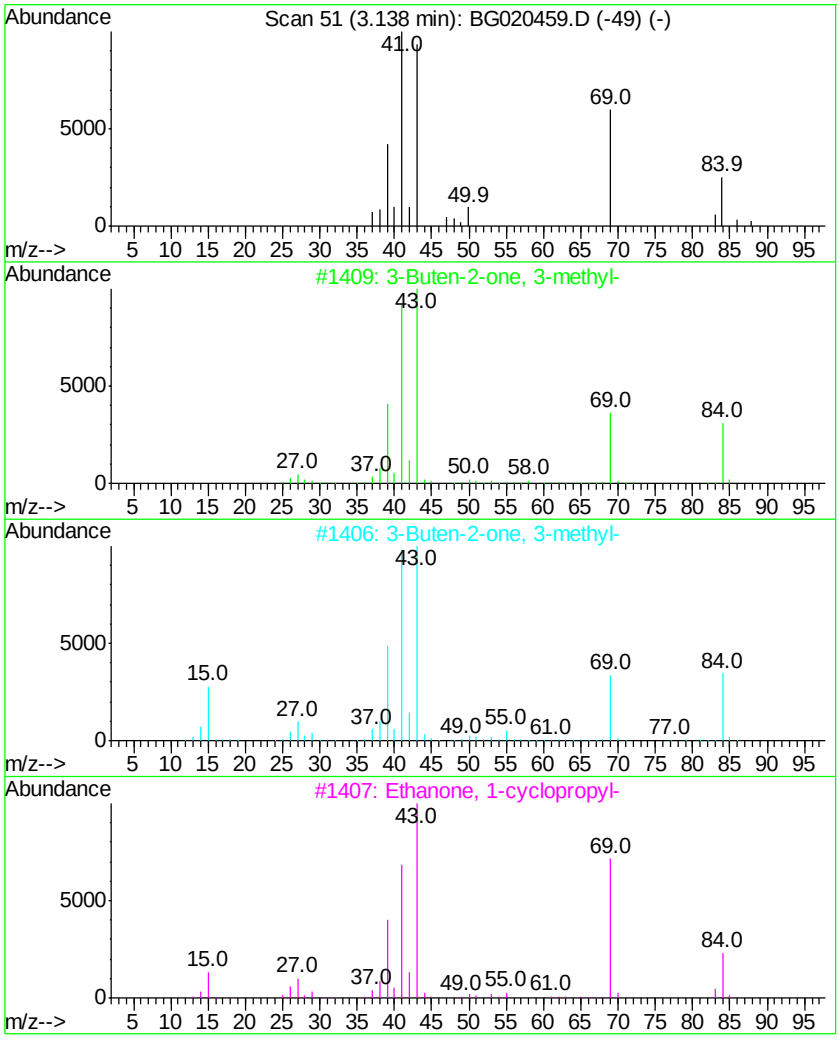
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

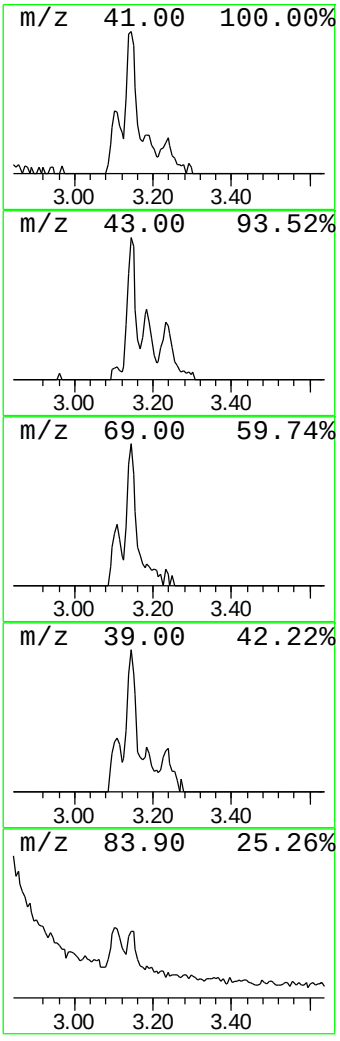
****

Peak Number 2 3-Buten-2-one, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	4.26 ng/ul	24814	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	86
2	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	86
3	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	86
4	3-Penten-2-one	84	C5H8O	000625-33-2	80
5	3-Penten-2-one	84	C5H8O	000625-33-2	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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

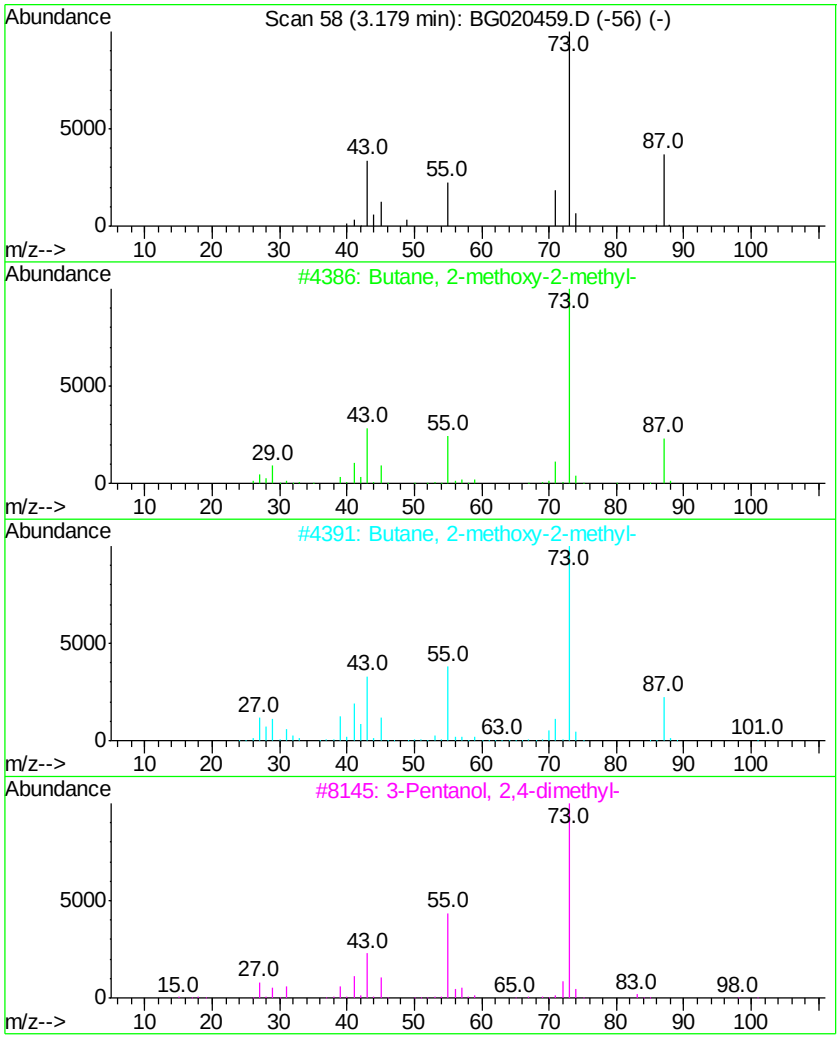
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

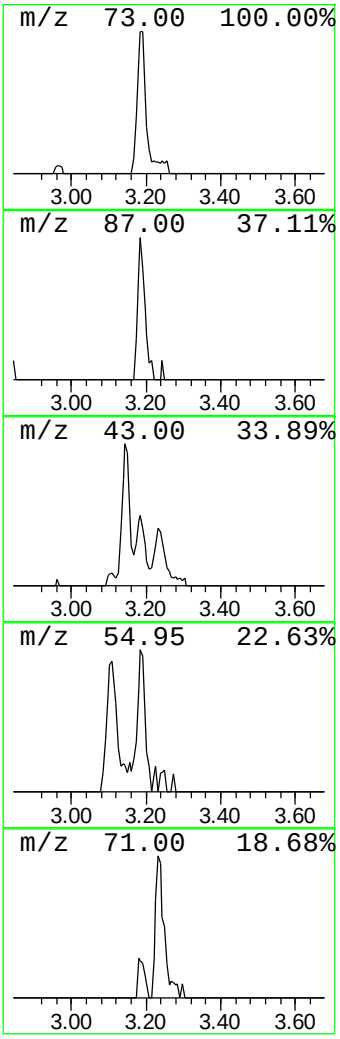
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	3.19 ng/ul	18581	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	50
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	9
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	7
5	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	5





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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

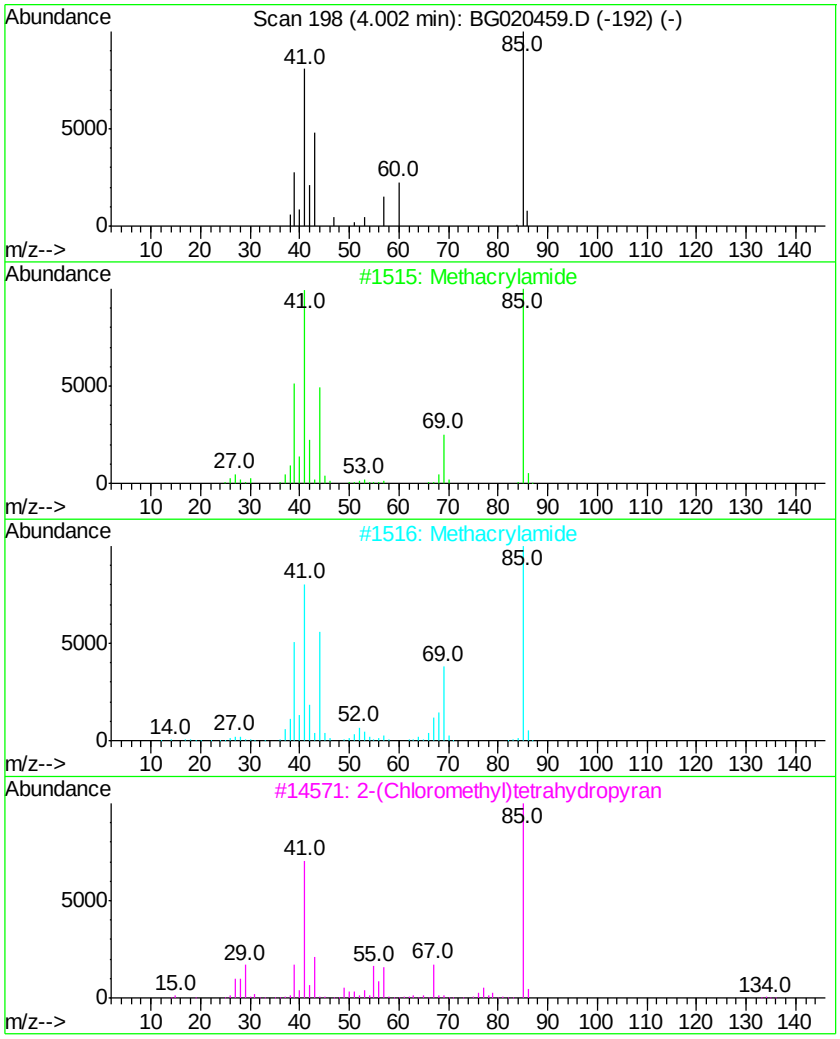
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

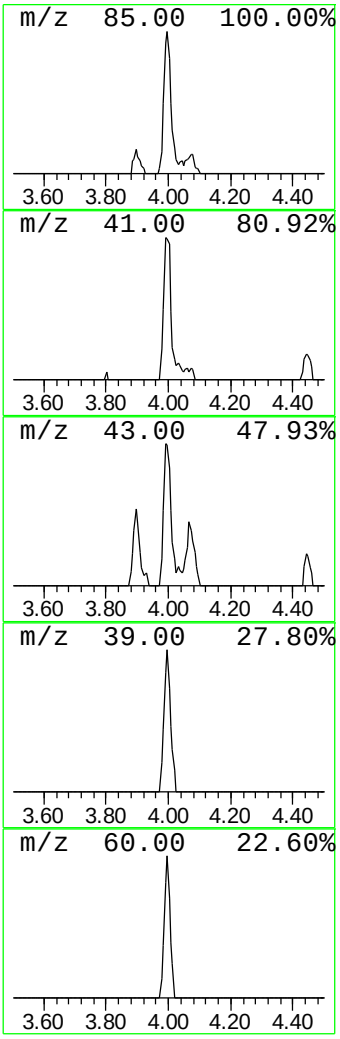
****

Peak Number 4 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.00	4.03 ng/ul	23468	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	47
2	Methacrylamide	85	C4H7NO	000079-39-0	40
3	2-(Chloromethyl)tetrahydropyran	134	C6H11ClO	018420-41-2	36
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	28
5	Isothiazole	85	C3H3NS	000288-16-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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

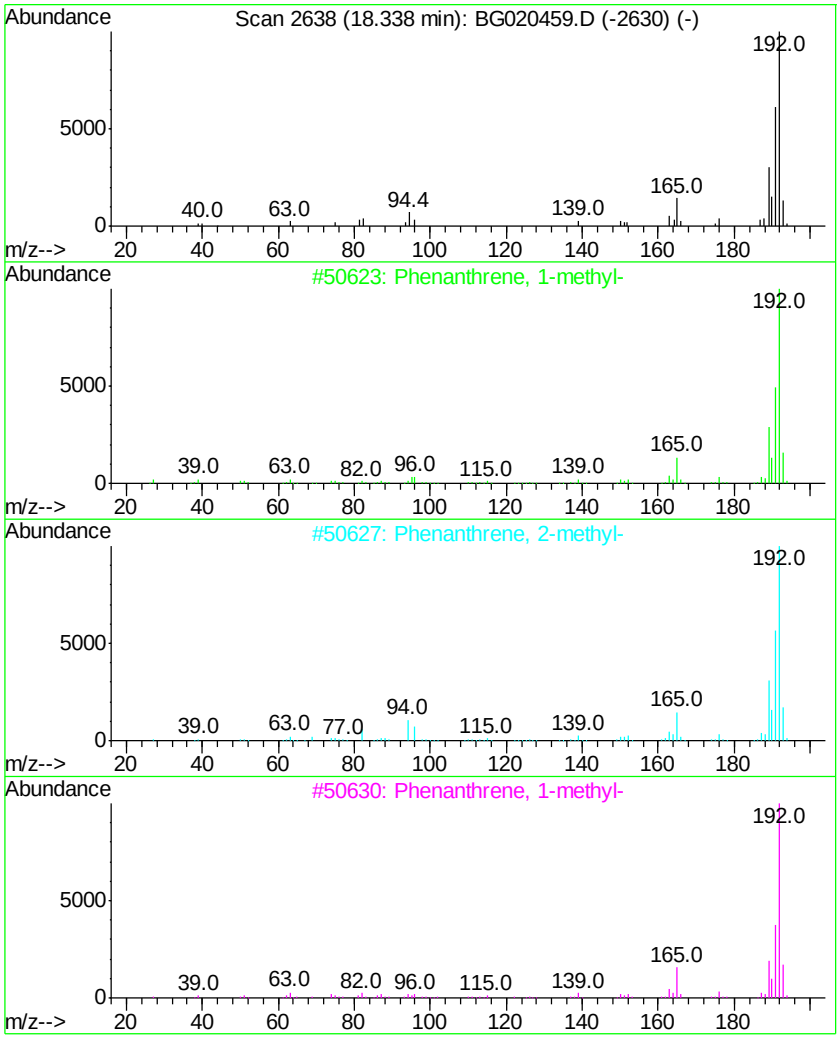
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

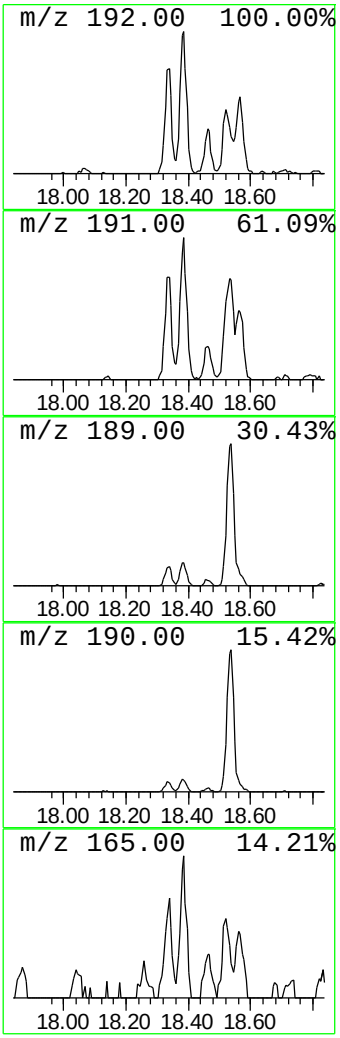
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.63 ng/ul	47001	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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

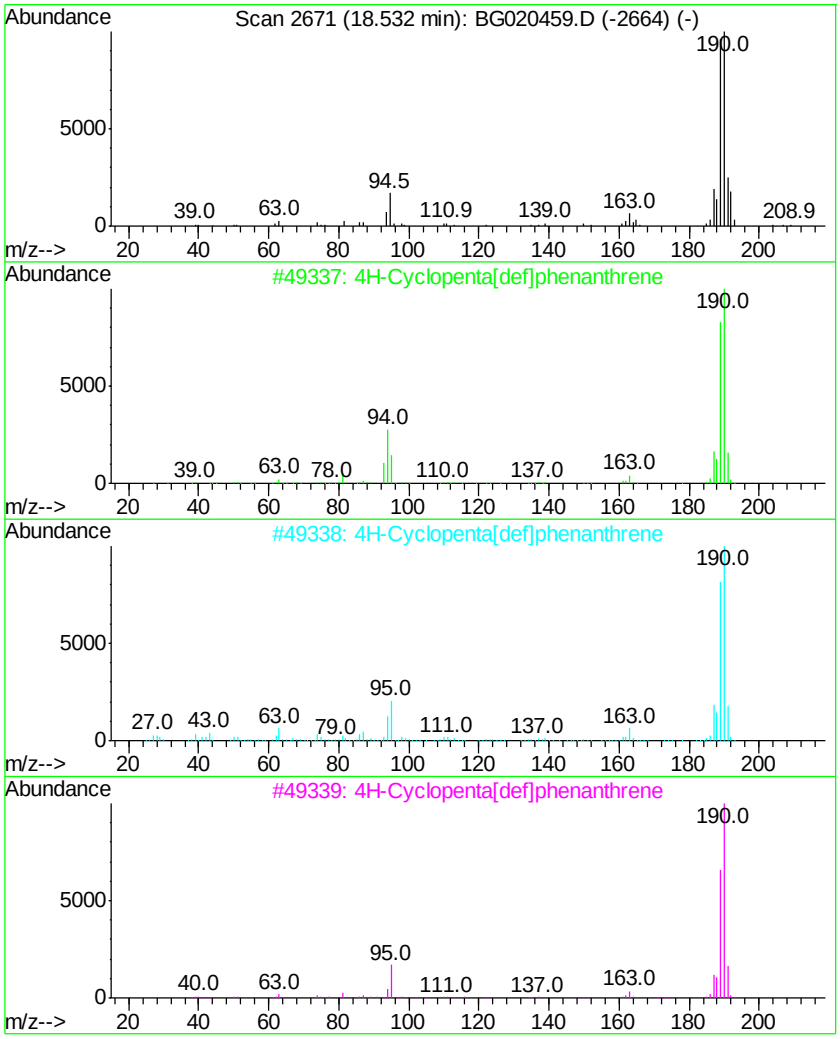
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

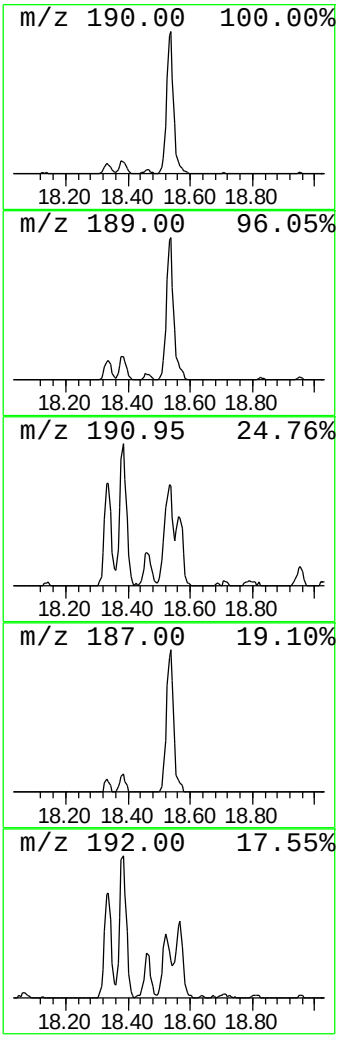
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	7.98 ng/ul	142872	Phenanthrene-d10	17.46

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	87
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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

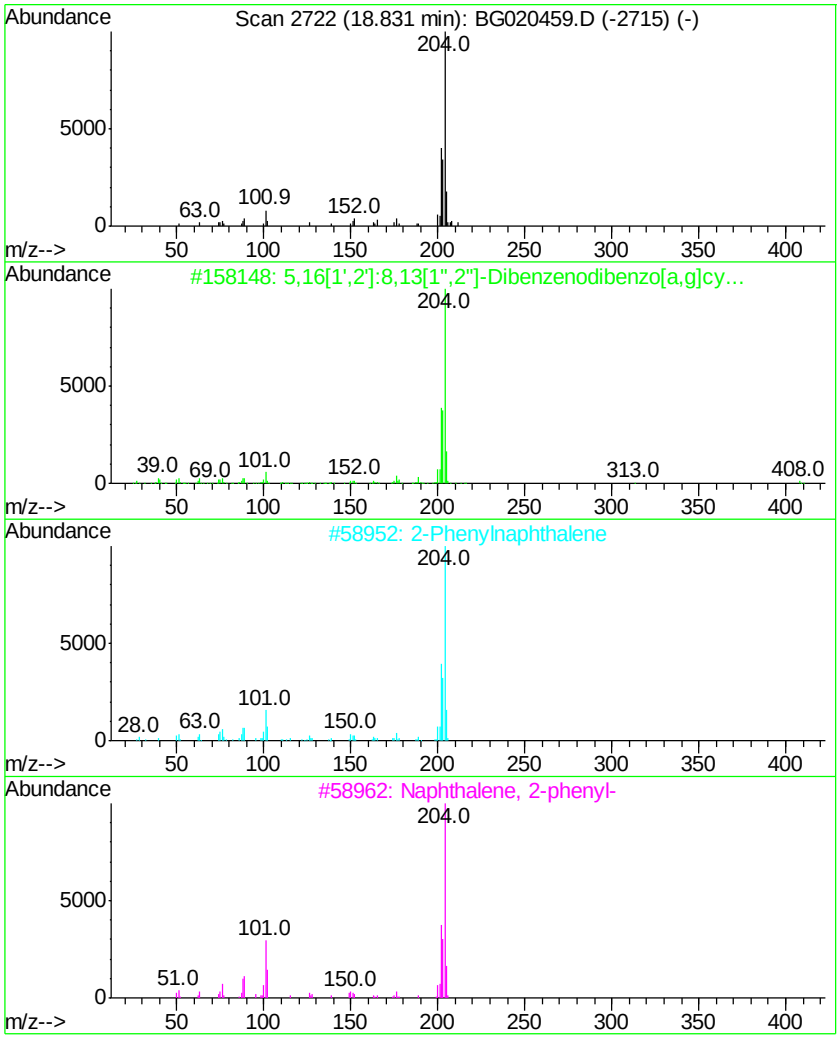
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

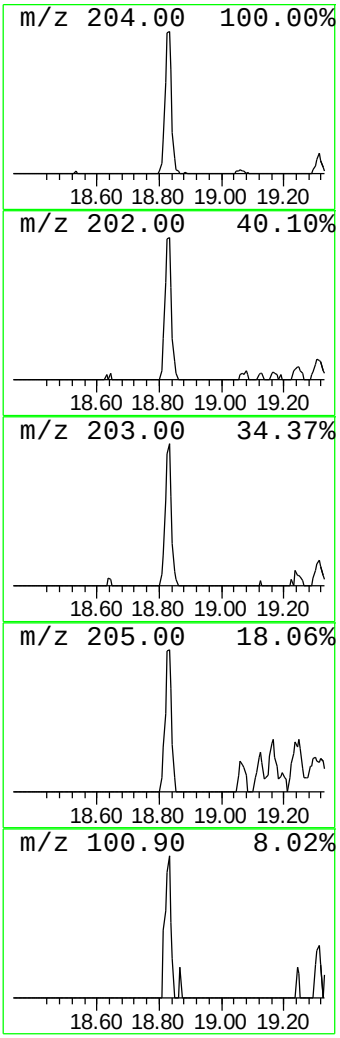
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	2.63 ng/ul	47018	Phenanthrene-d10	17.46

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	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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

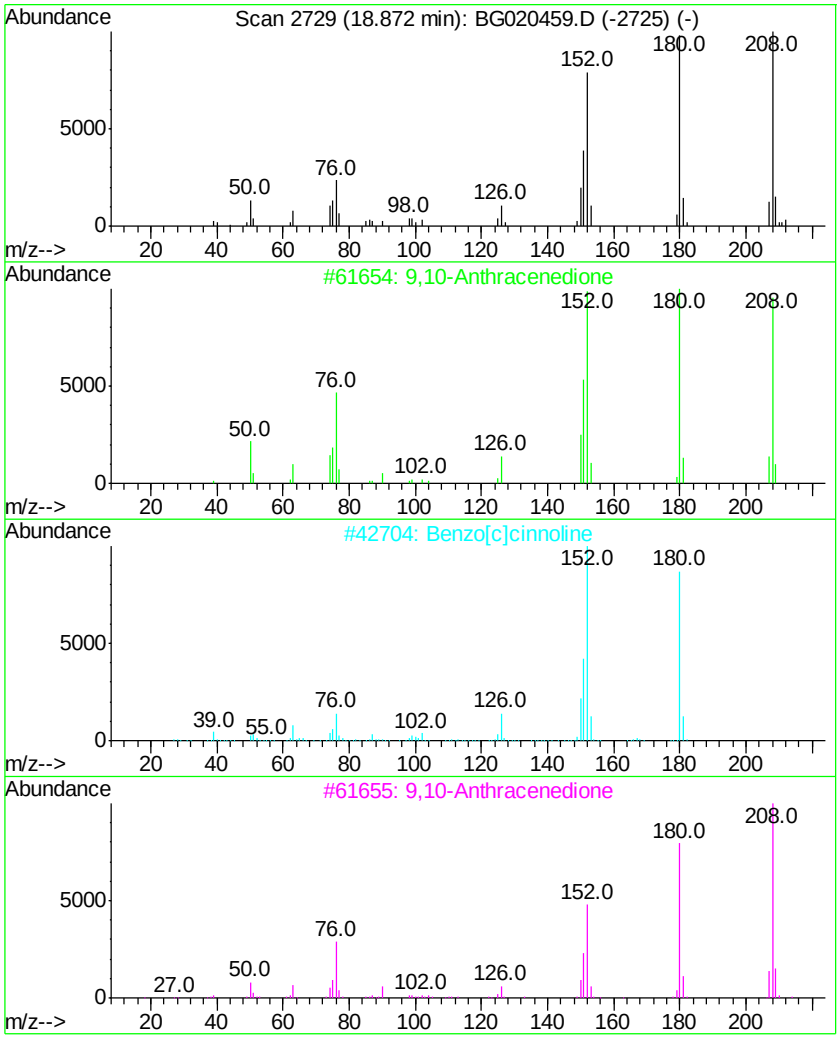
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

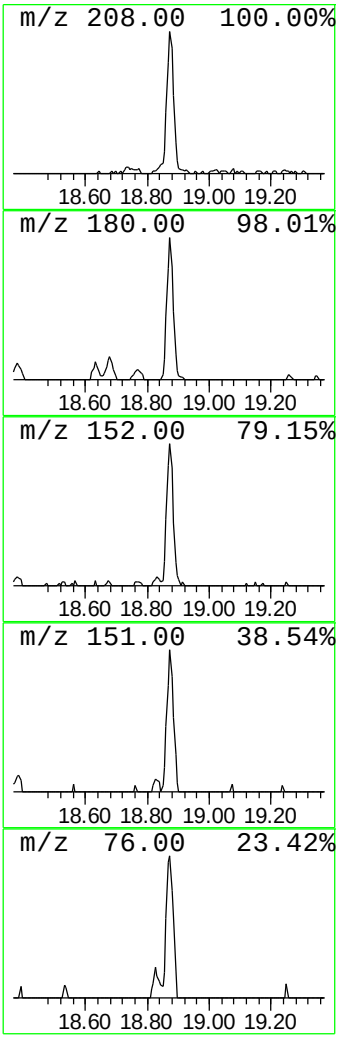
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	3.88 ng/ul	69354	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	90





Library Search Compound Report

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Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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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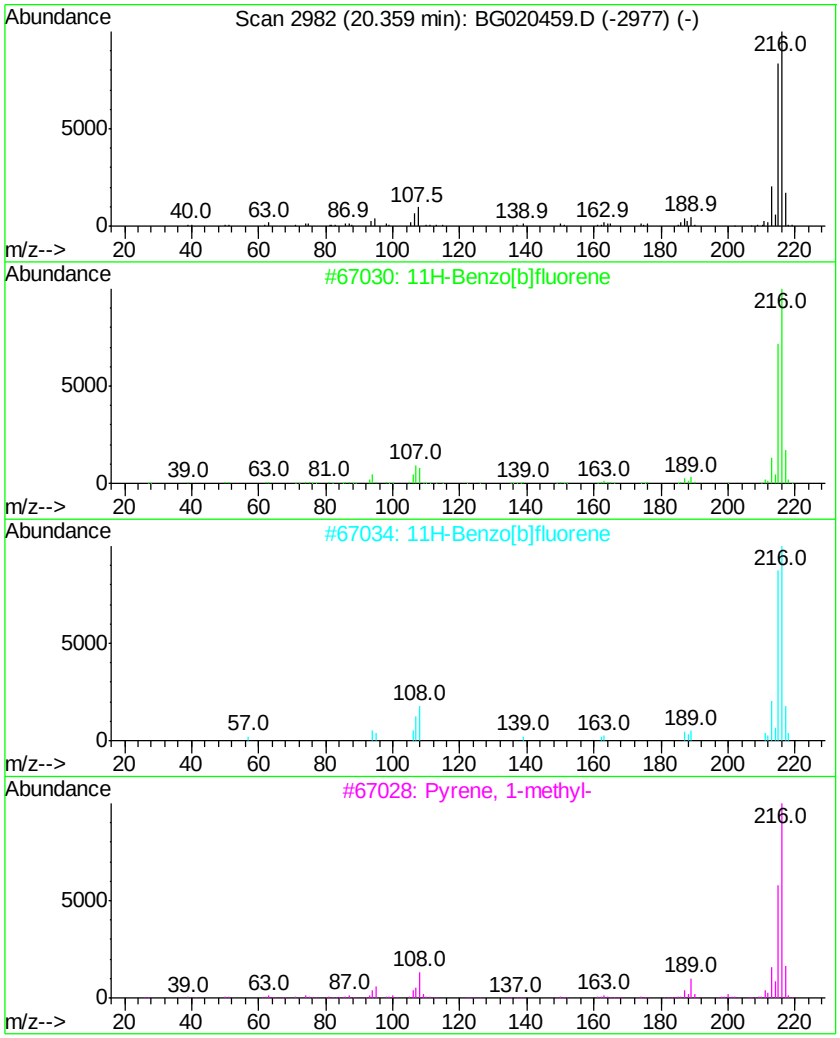
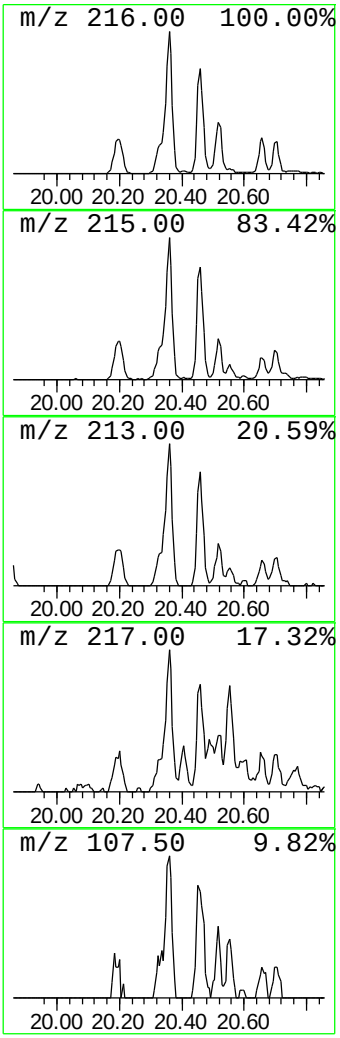
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	2.45 ng/ul	169416	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80





Library Search Compound Report

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Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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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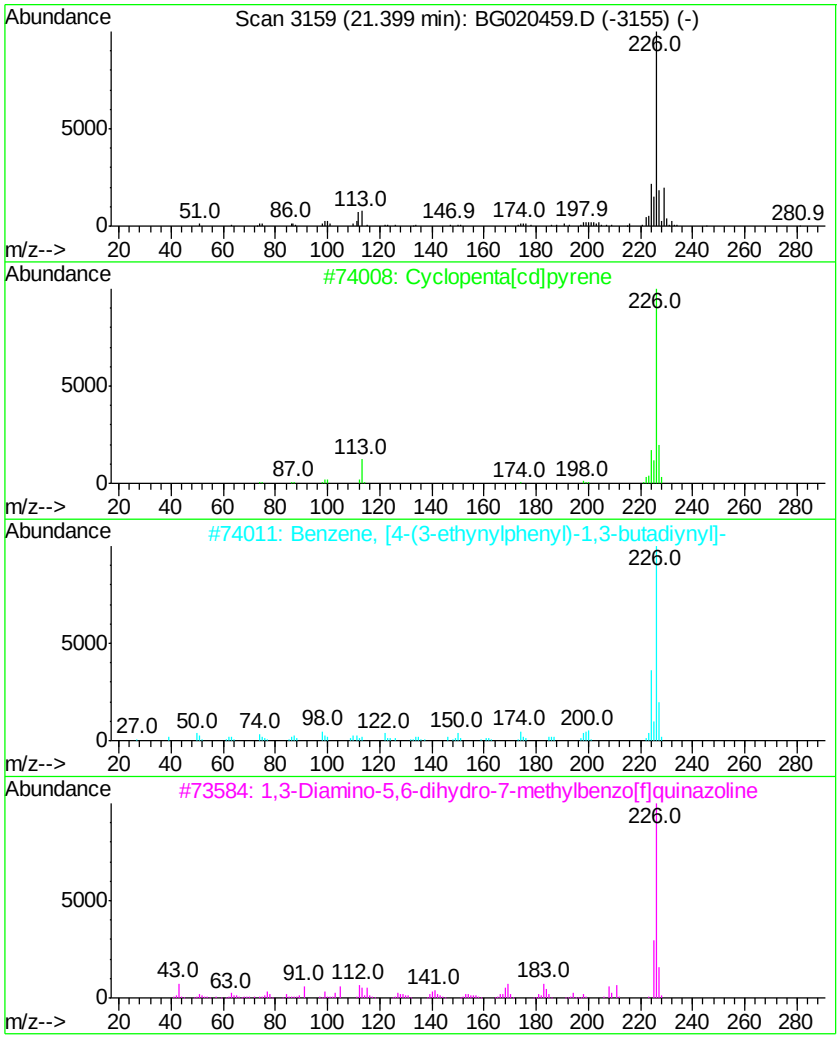
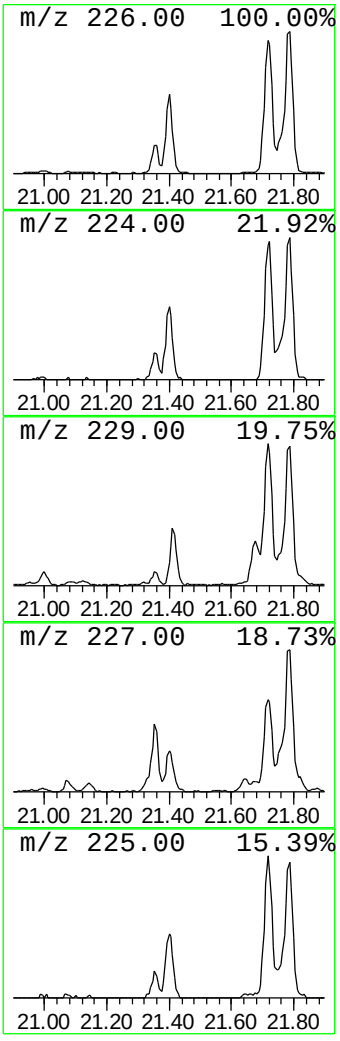
Peak Number 11 unknown-02 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	2.18 ng/ul	150777	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	46
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	37
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	37





Library Search Compound Report

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Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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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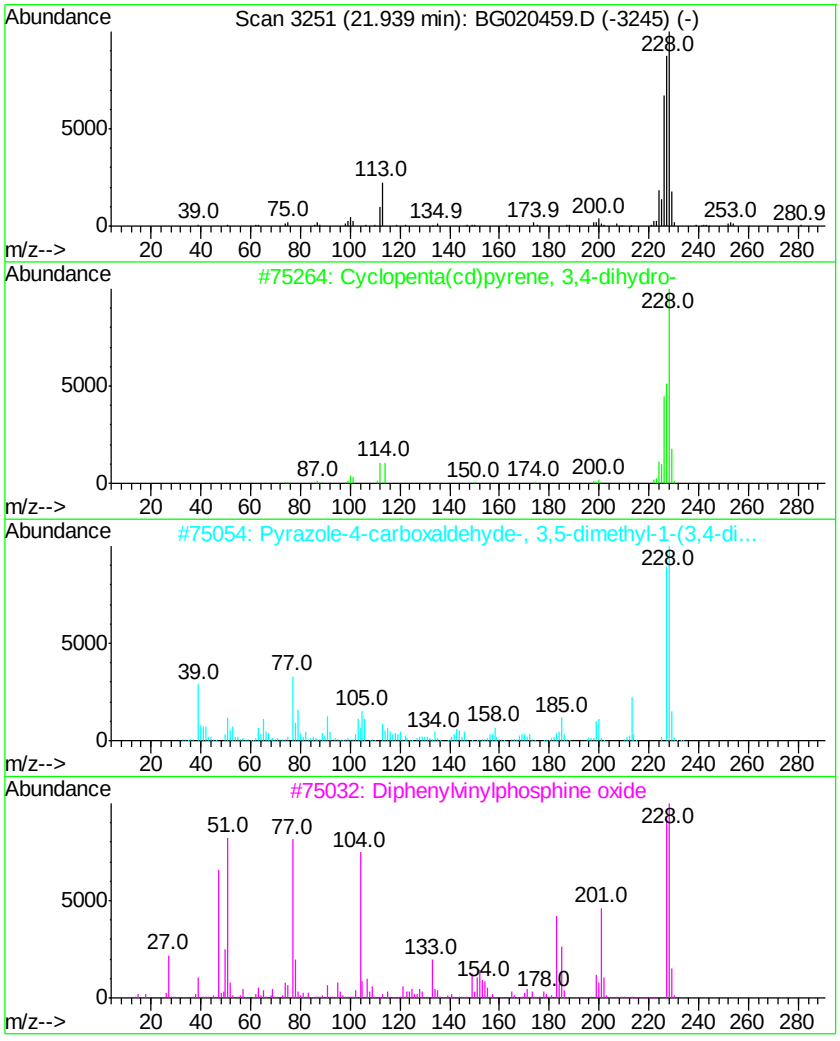
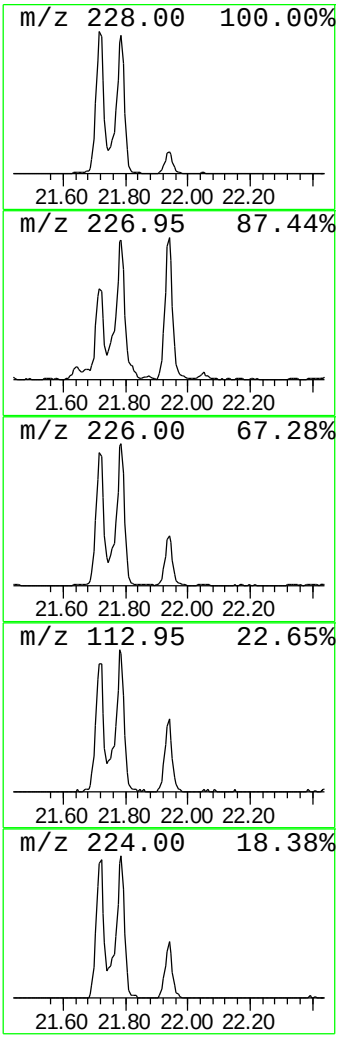
Peak Number 12 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.94	2.48 ng/ul	171702	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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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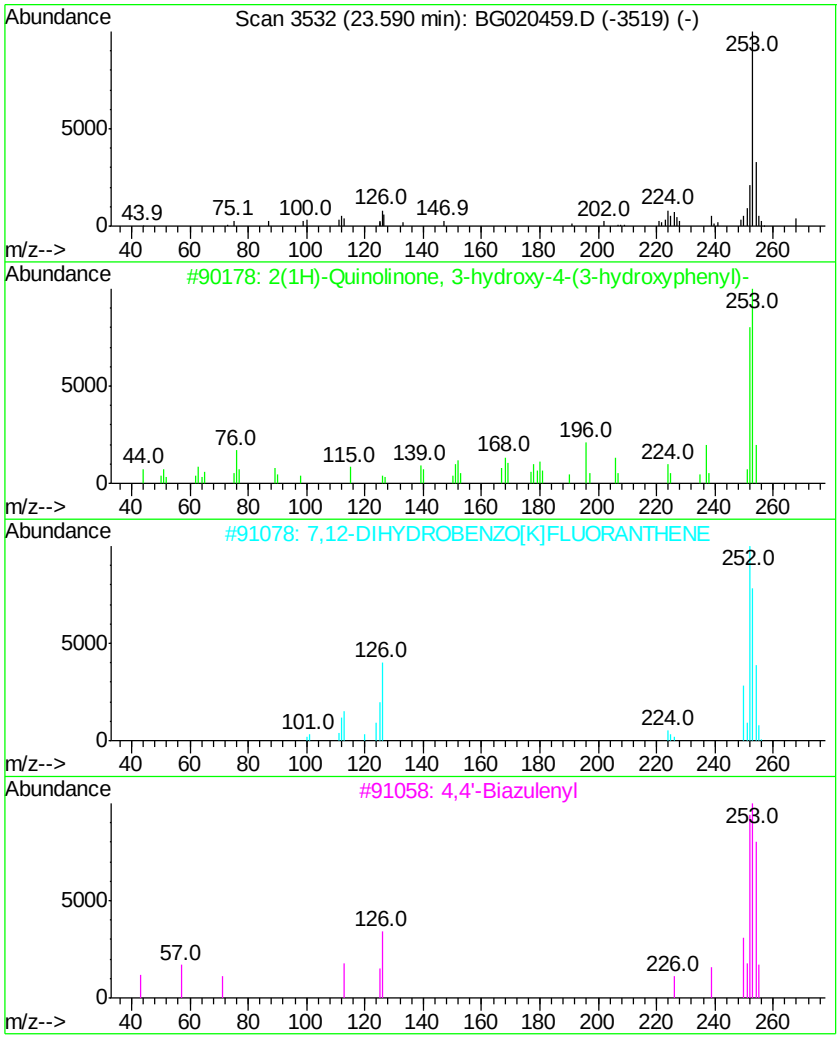
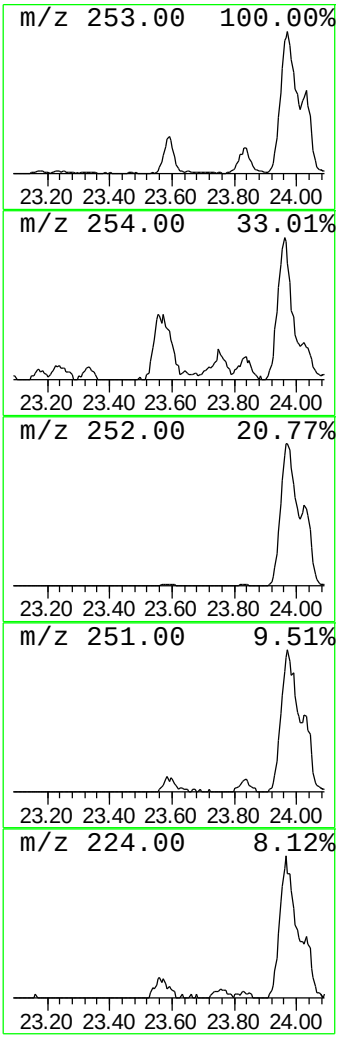
Peak Number 13 unknown-03 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.59	2.78 ng/ul	66499	Perylene-d12	25.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone, 3-hydroxy-4-(...	253	C15H11NO3	014484-44-7	33
2	7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	32
3	4,4'-Biazulenyl	254	C20H14	094053-54-0	27
4	4,6'-Biazulenyl	254	C20H14	094154-49-1	27
5	Ergoline-8-methanol, 8,9-didehyd...	254	C16H18N2O	000548-43-6	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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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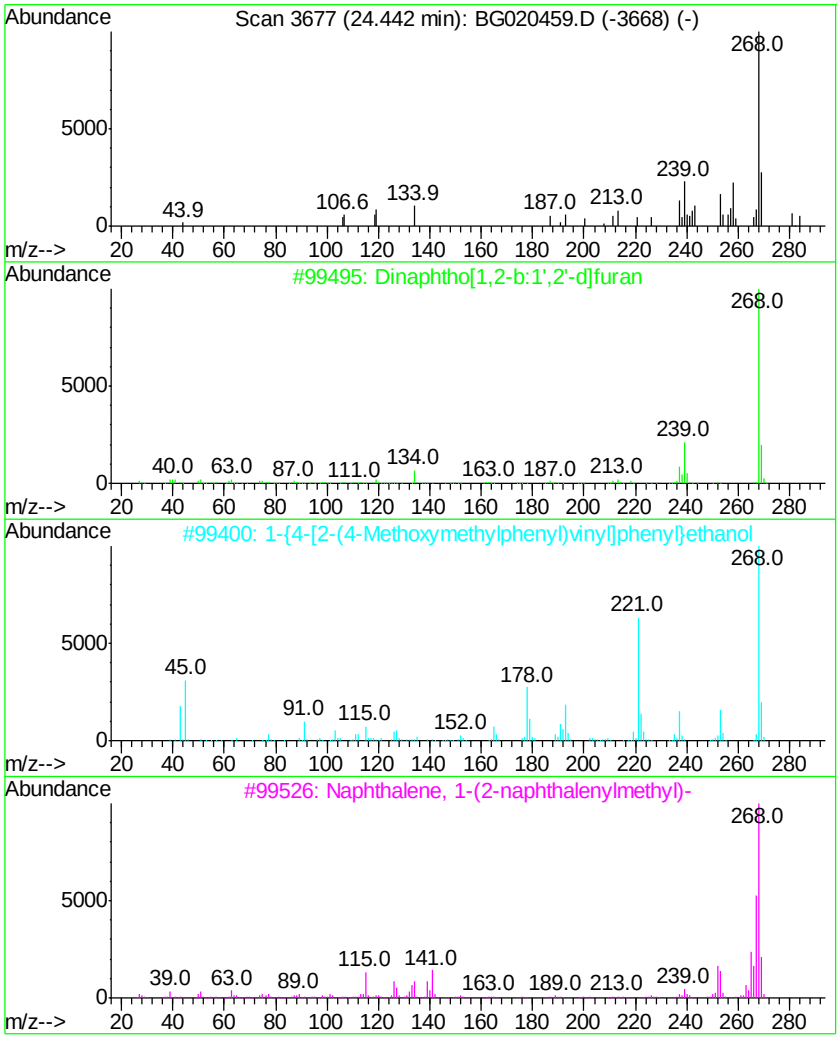
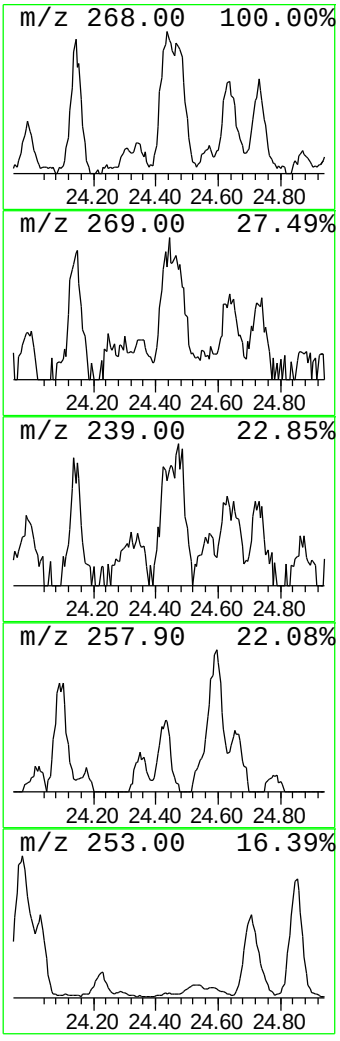
Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.44	2.07 ng/ul	49385	Perylene-d12	25.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	58
2	1-{4-[2-(4-Methoxymethylphenyl)v...	268	C18H20O2	1000202-15-4	52
3	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	52
4	Coumaran-6-ol-3-one, 2-[4-methox...	268	C16H12O4	020727-61-1	52
5	1H-Cyclopenta[b]indol-3(2H)-one,...	268	C17H20N2O	339284-85-4	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
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Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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Quant Title : SVOA CALIBRATION

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

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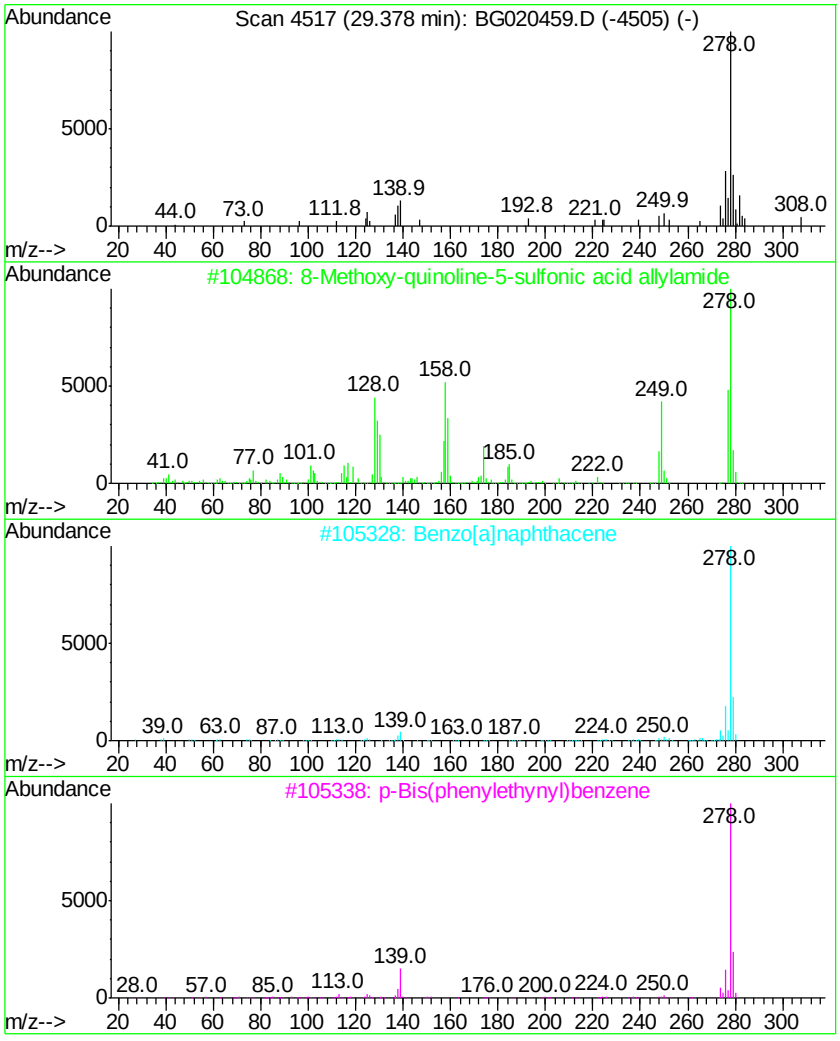
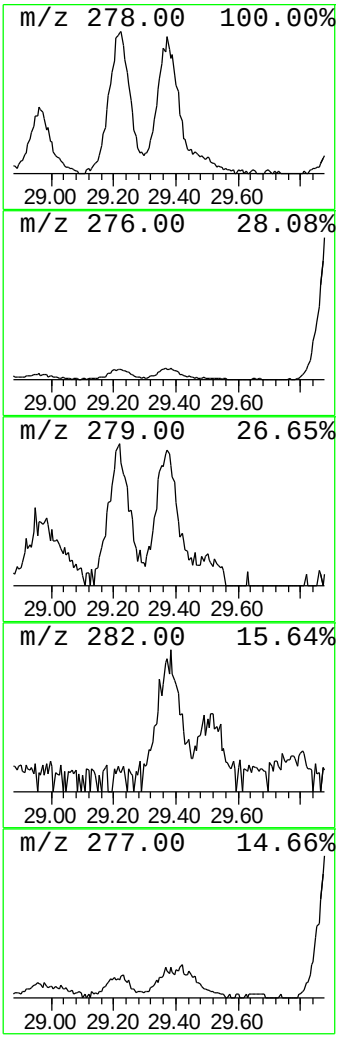
Peak Number 19 8-Methoxy-quinoline-5-sulfo... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.38	2.95 ng/ul	70601	Perylene-d12	25.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Methoxy-quinoline-5-sulfonic a...	278	C13H14N2O3S	1000274-64-1	58
2	Benzo[a]naphthacene	278	C22H14	000226-88-0	50
3	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	49
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	49
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4DL

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
3-Buten-2-one, 3-...	3.14	4.3	ng/ul	24814	1	8.09	116477	20.0
Butane, 2-methoxy...	3.18	3.2	ng/ul	18581	1	8.09	116477	20.0
unknown-01	4.00	4.0	ng/ul	23468	1	8.09	116477	20.0
Phenanthrene, 1-m...	18.34	2.6	ng/ul	47001	4	17.46	357887	20.0
4H-Cyclopenta[def...	18.53	8.0	ng/ul	142872	4	17.46	357887	20.0
5,16[1',2']:8,13[...	18.83	2.6	ng/ul	47018	4	17.46	357887	20.0
9,10-Anthracenedione	18.87	3.9	ng/ul	69354	4	17.46	357887	20.0
11H-Benzo[b]fluorene	20.36	2.5	ng/ul	169416	5	21.74	1385070	20.0
unknown-02	21.40	2.2	ng/ul	150777	5	21.74	1385070	20.0
Cyclopenta(cd)pyr...	21.94	2.5	ng/ul	171702	5	21.74	1385070	20.0
unknown-03	23.59	2.8	ng/ul	66499	6	25.01	477971	20.0
Dinaphtho[1,2-b:1...	24.44	2.1	ng/ul	49385	6	25.01	477971	20.0
8-Methoxy-quinoli...	29.38	3.0	ng/ul	70601	6	25.01	477971	20.0