LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG022316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.053	31	36	48	rBB	53792	71309	25.31%	2.047%
2	3.194	56	60	68	rBB2	4384	7165	2.54%	0.206%
3	5.280	410	415	422	rBB	15705	23242	8.25%	0.667%
4	5.779	494	500	508	rBB	70796	109718	38.94%	3.149%
5	7.406	770	777	786	rBB	84488	139746	49.60%	4.011%
6	7.753	829	836	843	rBB	81709	135643	48.14%	3.893%
7	8.199	907	912	918	rBB	14793	22676	8.05%	0.651%
8	8.528	962	968	975	rBB	56437	93272	33.10%	2.677%
9	9.386	1107	1114	1121	rBB	55447	93898	33.33%	2.695%
10	11.025	1387	1393	1398	rBV	26645	46279	16.43%	1.328%
11	11.072	1398	1401	1406	rVB	2129	3041	1.08%	0.087%
12	13.445	1799	1805	1811	rBB	138888	196502	69.74%	5.640%
13	14.267	1940	1945	1951	rBB	20218	27429	9.74%	0.787%
14	14.661	2007	2012	2016	rBB	4871	5969	2.12%	0.171%
15	14.820	2033	2039	2044	rBV2	41316	63695	22.61%	1.828%
16	14.878	2044	2049	2054	rVB	21155	31249	11.09%	0.897%
17	15.213	2101	2106	2113	rBB	8722	12381	4.39%	0.355%
18	15.607	2169	2173	2177	rVB	6673	7819	2.78%	0.224%
19	15.859	2210	2216	2221	rBB	19477	26095	9.26%	0.749%
20	16.012	2239	2242	2246	rVB3	2870	4472	1.59%	0.128%
21	16.147	2261	2265	2271	rBB2	3121	4186	1.49%	0.120%
22	16.306	2286	2292	2297	rBV	108435	158822	56.37%	4.558%
23	16.464	2315	2319	2327	rBV3	6842	11465	4.07%	0.329%
24	16.858	2380	2386	2390	rVB2	2117	3764	1.34%	0.108%
25	17.210	2442	2446	2450	rBV2	3826	5387	1.91%	0.155%
26	17.252	2450	2453	2459	rVV3	2952	4628	1.64%	0.133%
27	17.375	2469	2474	2479	rBB	6161	8123	2.88%	0.233%
28	17.557	2499	2505	2508	rBV	41324	62624	22.23%	1.797%
29	17.598	2508	2512	2519	rVB	155766	231605	82.20%	6.647%
30	17.686	2519	2527	2533	rBV	38607	55432	19.67%	1.591%
31	17.745	2533	2537	2542	rVB	2117	2847	1.01%	0.082%
32	17.968	2571	2575	2583	rVB	13186	18228	6.47%	0.523%
33	18.421	2647	2652	2656	rBV2	11237	16908	6.00%	0.485%
34	18.473	2656	2661	2666	rVB	13852	19427	6.90%	0.558%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG022316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.550	2669	2674	2678	rBB2	6410	8777	3.12%	0.252%
36	18.620	2679	2686	2691	rBV2	22268	41510	14.73%	1.191%
37	18.908	2730	2735	2740	rBV	6827	9005	3.20%	0.258%
38	18.961	2740	2744	2750	rBV3	5258	6852	2.43%	0.197%
39	19.243	2789	2792	2795	rVB3	2384	3121	1.11%	0.090%
40	19.319	2798	2805	2809	rBV4	3493	6207	2.20%	0.178%
41	19.384	2811	2816	2824	rVB5	2133	5910	2.10%	0.170%
42	19.478	2828	2832	2835	rBV3	2731	3489	1.24%	0.100%
43	19.595	2844	2852	2858	rBV	205350	281751	100.00%	8.086%
44	19.836	2885	2893	2899	rBV3	4128	8091	2.87%	0.232%
45	19.919	2902	2907	2909	rBV2	30171	45284	16.07%	1.300%
46	19.954	2909	2913	2919	rVB	144370	210141	74.58%	6.031%
47	20.018	2919	2924	2927	rBV	5278	5659	2.01%	0.162%
48	20.136	2938	2944	2949	rVB	142664	185025	65.67%	5.310%
49	20.195	2949	2954	2959	rBV	6345	8459	3.00%	0.243%
50	20.259	2961	2965	2966	rBV3	7173	8355	2.97%	0.240%
51	20.336	2974	2978	2981	rBV	3497	4596	1.63%	0.132%
52	20.400	2983	2989	2990	rVV5	5668	8295	2.94%	0.238%
53	20.436	2991	2995	3001	rVB	22501	29349	10.42%	0.842%
54	20.535	3005	3012	3017	rBV	18489	28989	10.29%	0.832%
55	20.594	3017	3022	3025	rVV2	8060	13411	4.76%	0.385%
56	20.629	3025	3028	3031	rVB2	5432	7158	2.54%	0.205%
57	20.729	3043	3045	3049	rBV2	4567	5259	1.87%	0.151%
58	20.776	3049	3053	3060	rVB5	4879	8845	3.14%	0.254%
59	21.205	3121	3126	3132	rVB3	5891	9604	3.41%	0.276%
60	21.399	3152	3159	3163	rBV4	12525	26230	9.31%	0.753%
61	21.440	3163	3166	3169	rVV	9195	12538	4.45%	0.360%
62	21.493	3170	3175	3180	rVV3	9481	18426	6.54%	0.529%
63	21.546	3180	3184	3189	rVB3	4219	7422	2.63%	0.213%
64	21.681	3202	3207	3211	rVB7	2348	4762	1.69%	0.137%
65	21.810	3222	3229	3236	rBV3	70721	178670	63.41%	5.128%
66	21.875	3236	3240	3247	rVB	51537	81564	28.95%	2.341%
67	22.027	3261	3266	3274	rVB2	11503	21823	7.75%	0.626%
68	22.098	3274	3278	3283	rBV6	2277	4994	1.77%	0.143%
69	22.186	3290	3293	3298	rVB2	4002	5337	1.89%	0.153%
70	22.262	3298	3306	3311	rVB4	6284	13842	4.91%	0.397%
71	22.486	3341	3344	3350	rBV5	2141	3697	1.31%	0.106%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	22.568	3350	3358	3363	rBV3	8461	19013	6.75%	0.546%
73	23.273	3473	3478	3481	rBV7	4473	8758	3.11%	0.251%
74	24.089	3609	3617	3625	rBV	36094	118291	41.98%	3.395%
75	24.348	3657	3661	3662	rBV3	4675	6062	2.15%	0.174%
76	24.841	3736	3745	3752	rBV	15914	41749	14.82%	1.198%
77	24.994	3760	3771	3786	rVB2	30808	89372	31.72%	2.565%
78	25.147	3788	3797	3804	rVV2	16296	50782	18.02%	1.457%
79	25.229	3804	3811	3820	rVB3	10453	30350	10.77%	0.871%
80	26.034	3944	3948	3949	rBV4	3006	3276	1.16%	0.094%
81	28.936	4429	4442	4450	rBV4	11254	46554	16.52%	1.336%
82	30.111	4632	4642	4643	rBV7	6508	12658	4.49%	0.363%

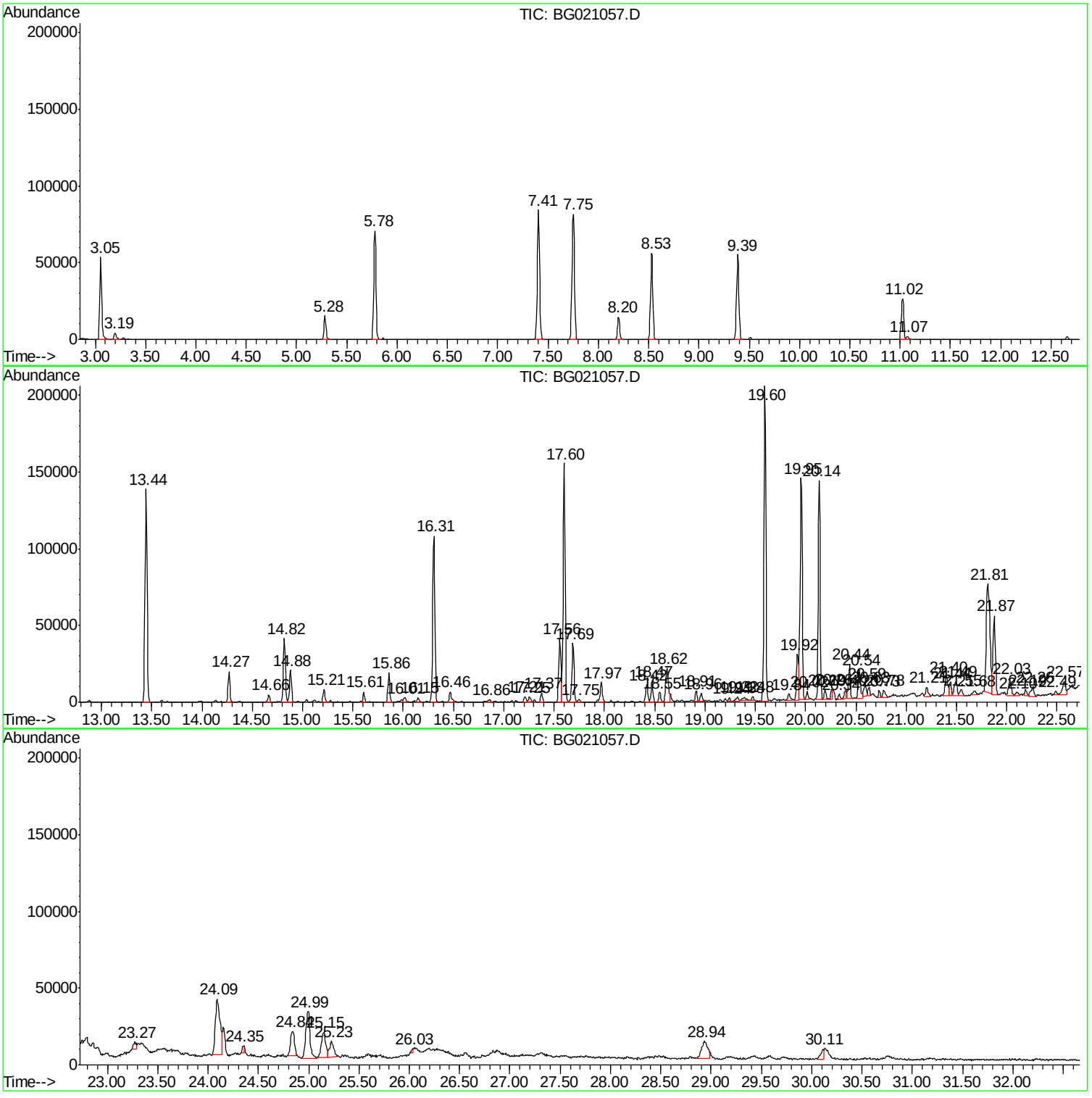
Sum of corrected areas: 3484358

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

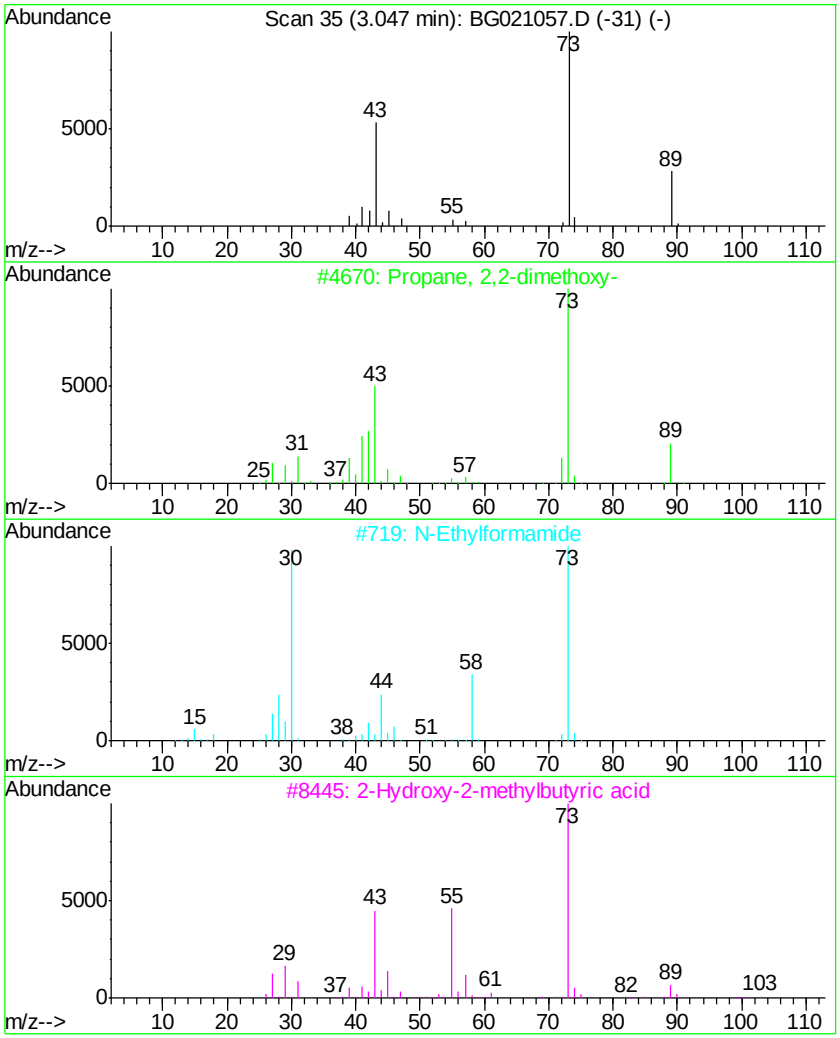
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

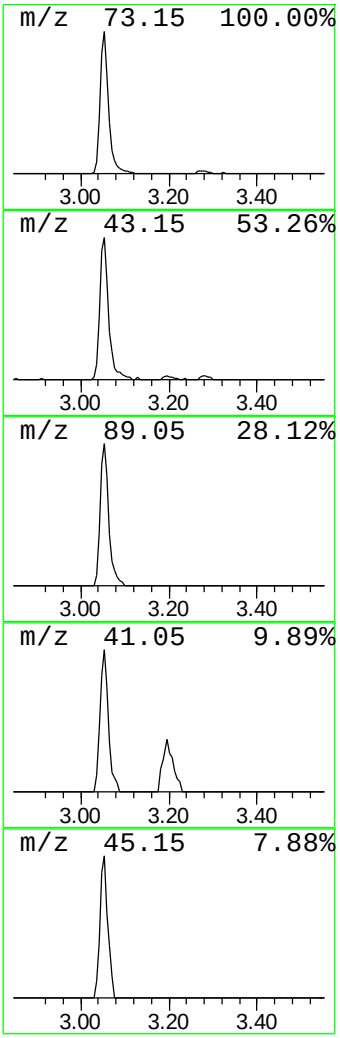
****

Peak Number 1 unknown3.05 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	62.89 ng	71309	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
4	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	7





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

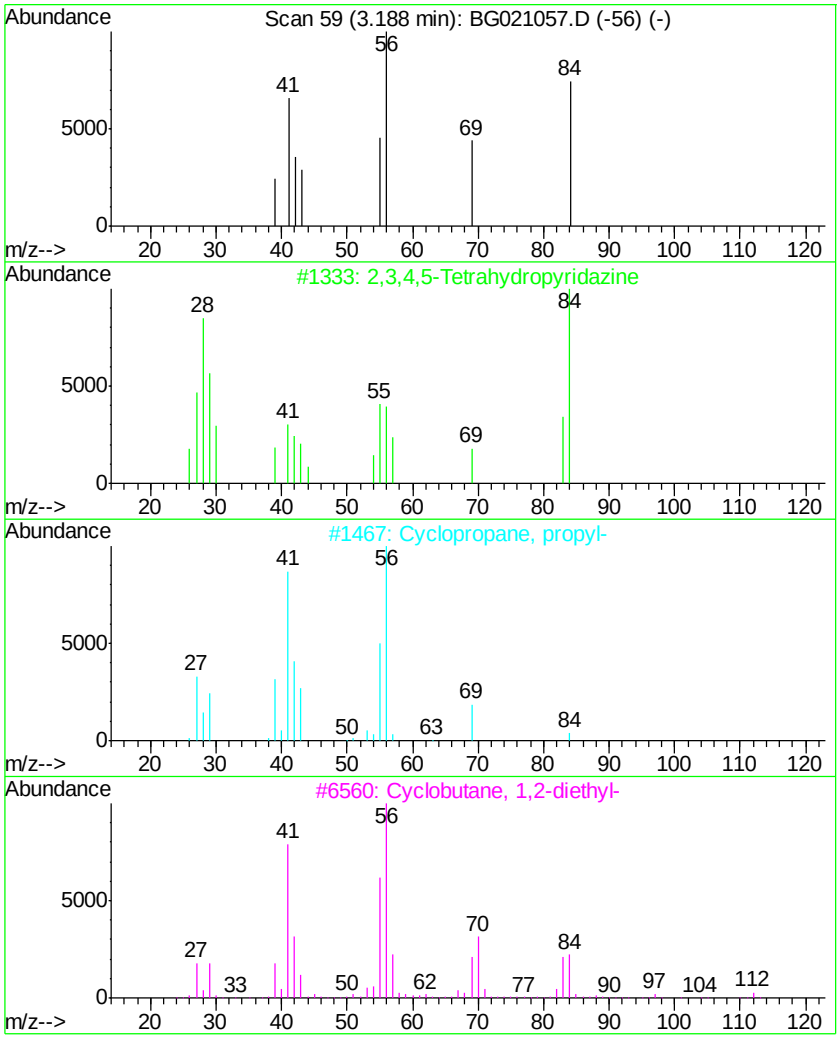
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

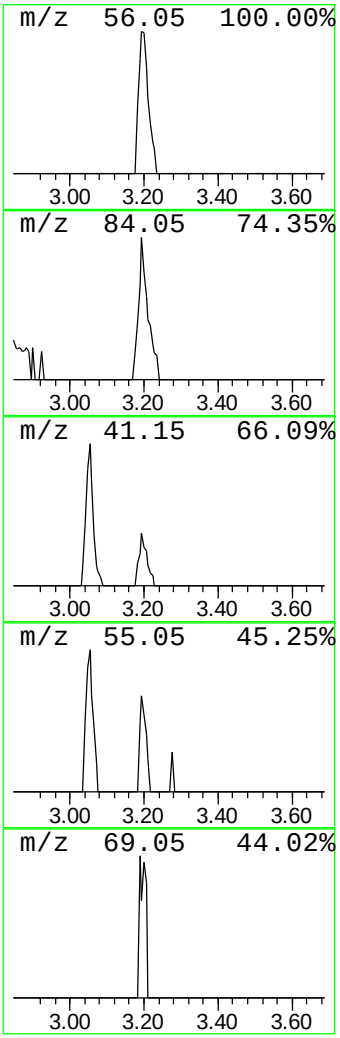
****

Peak Number 2 2,3,4,5-Tetrahydropyridazine Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	6.32 ng	7165	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	50
2	Cyclopropane, propyl-	84	C6H12	002415-72-7	38
3	Cyclobutane, 1,2-diethyl-	112	C8H16	061141-83-1	36
4	Cyclobutane, 1,2-diethyl-, trans-	112	C8H16	019341-98-1	9
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

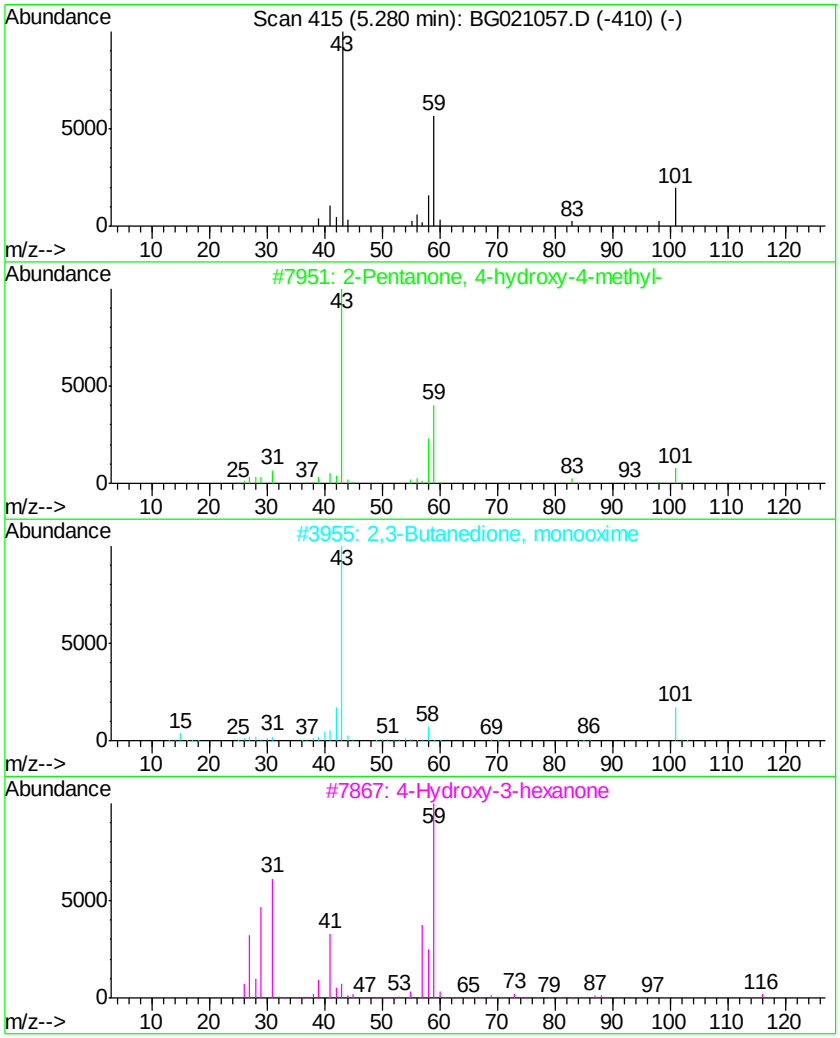
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

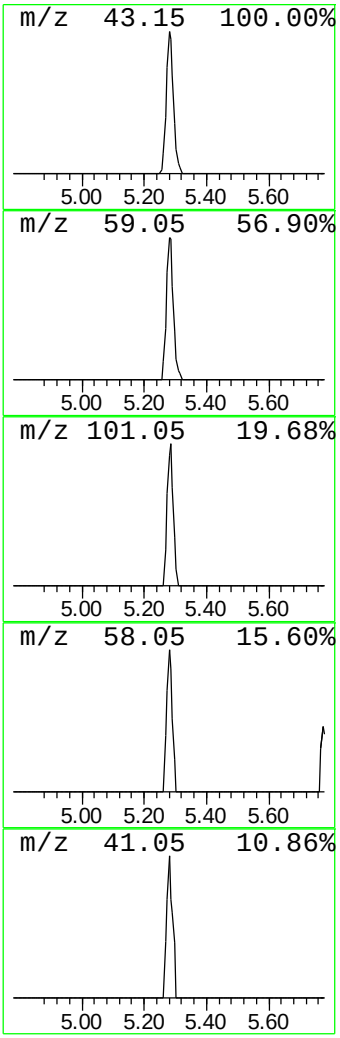
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	20.50 ng	23242	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	9
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
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TIC Library : C:\DATABASE\NIST02.L
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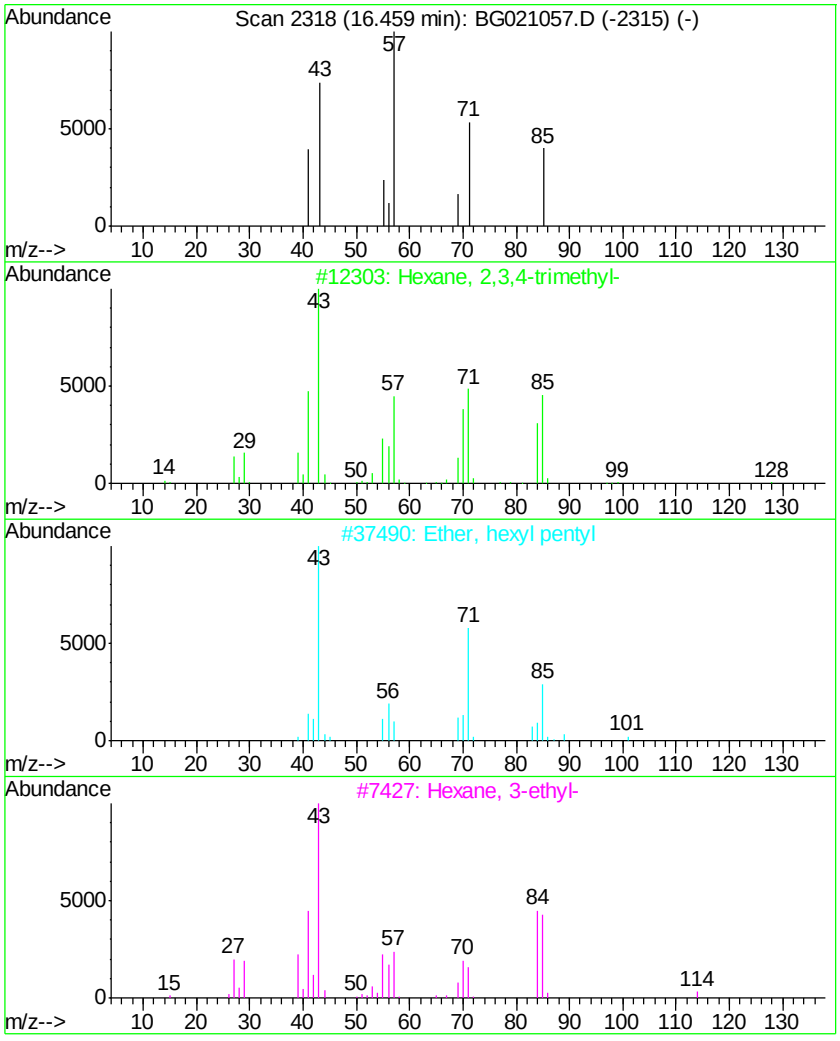
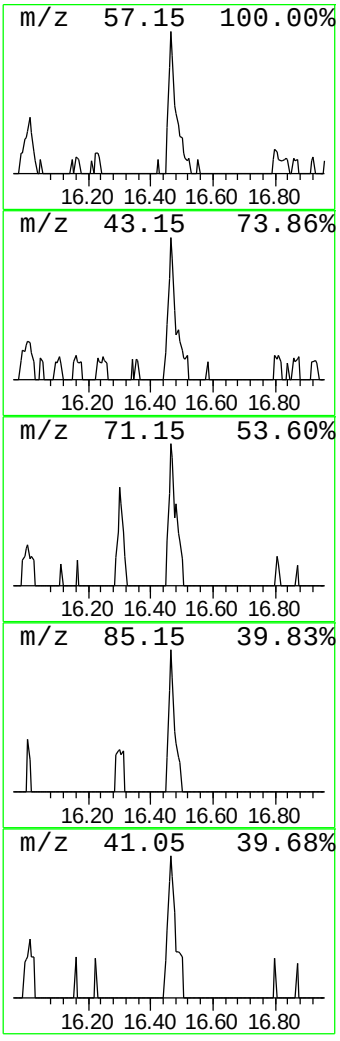
Peak Number 7 unknown16.46 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	3.66 ng	11465	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	28
2	Ether, hexyl pentyl	172	C11H24O	032357-83-8	23
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	23
4	2,4,6,8-Tetramethyl-1-undecene	210	C15H30	059920-26-2	12
5	Ethanedioic acid, bis(3-methylbu...	230	C12H22O4	002051-00-5	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

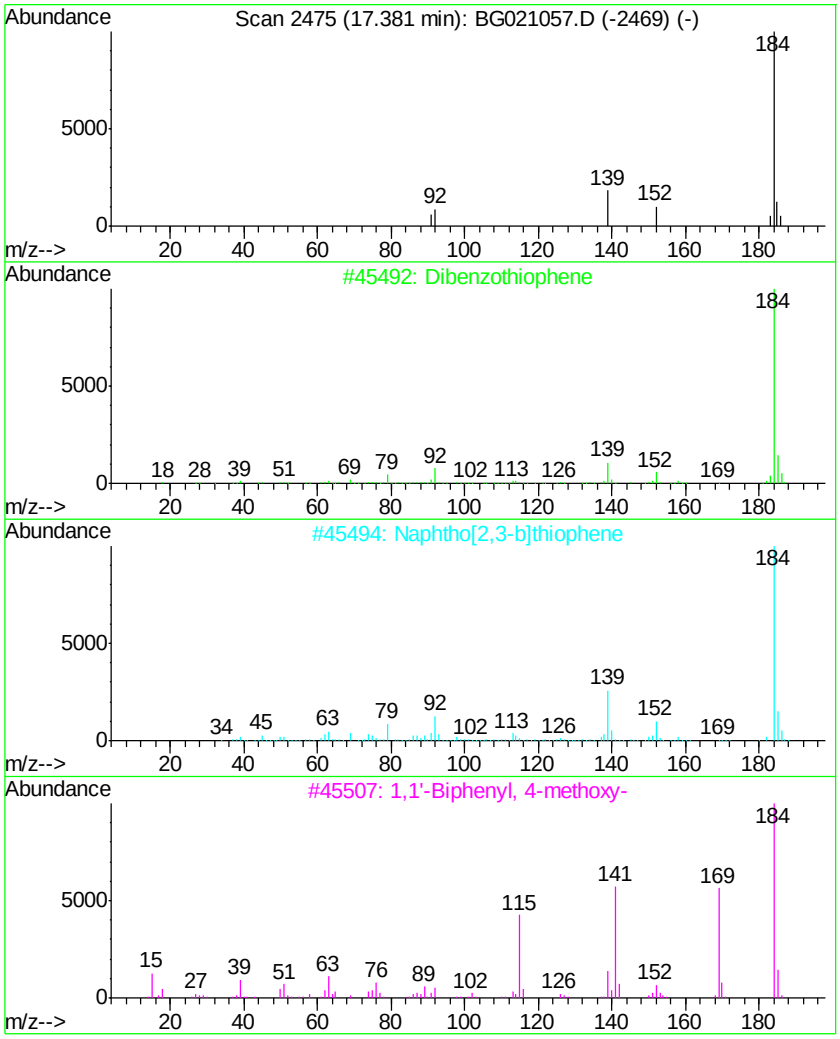
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

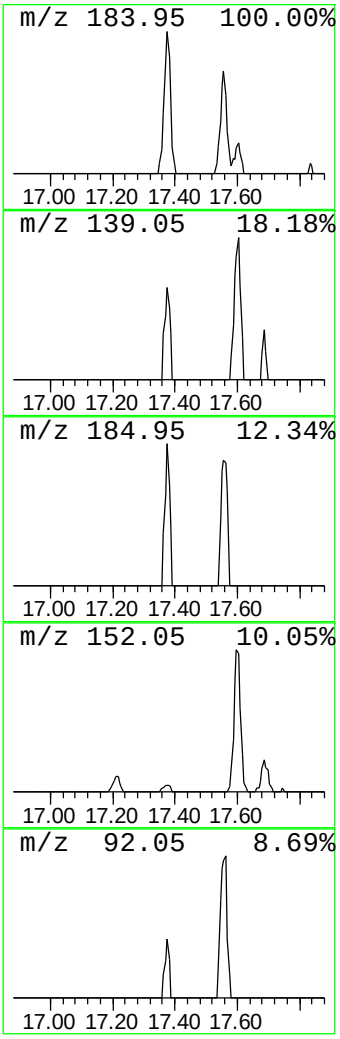
****

Peak Number 8 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.38	2.59 ng	8123	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	90
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
3	1,1'-Biphenyl, 4-methoxy-	184	C13H12O	000613-37-6	83
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	78
5	2-Dibenzofuranol	184	C12H8O2	000086-77-1	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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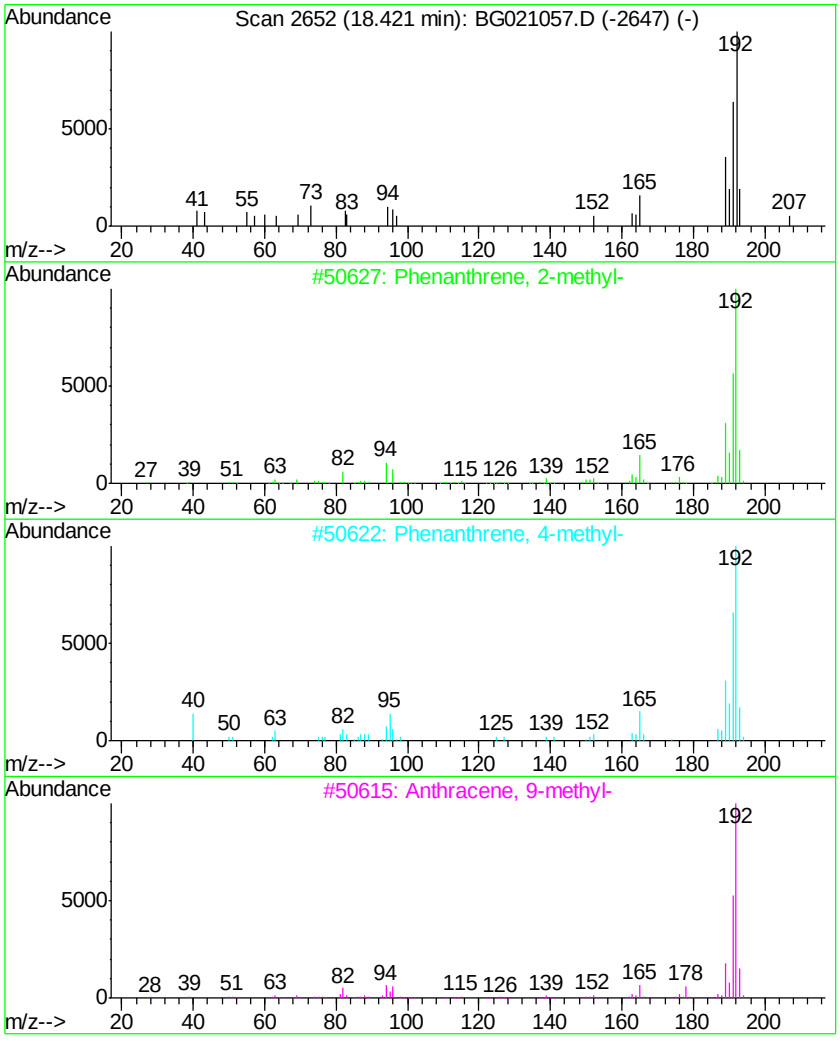
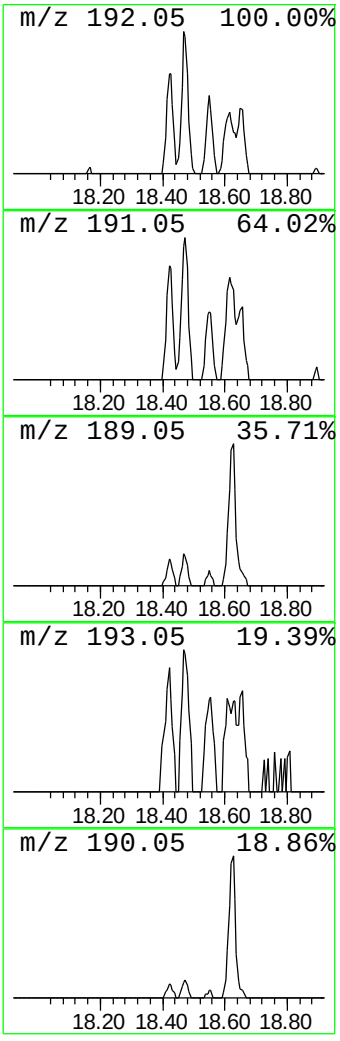
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	5.40 ng	16908	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

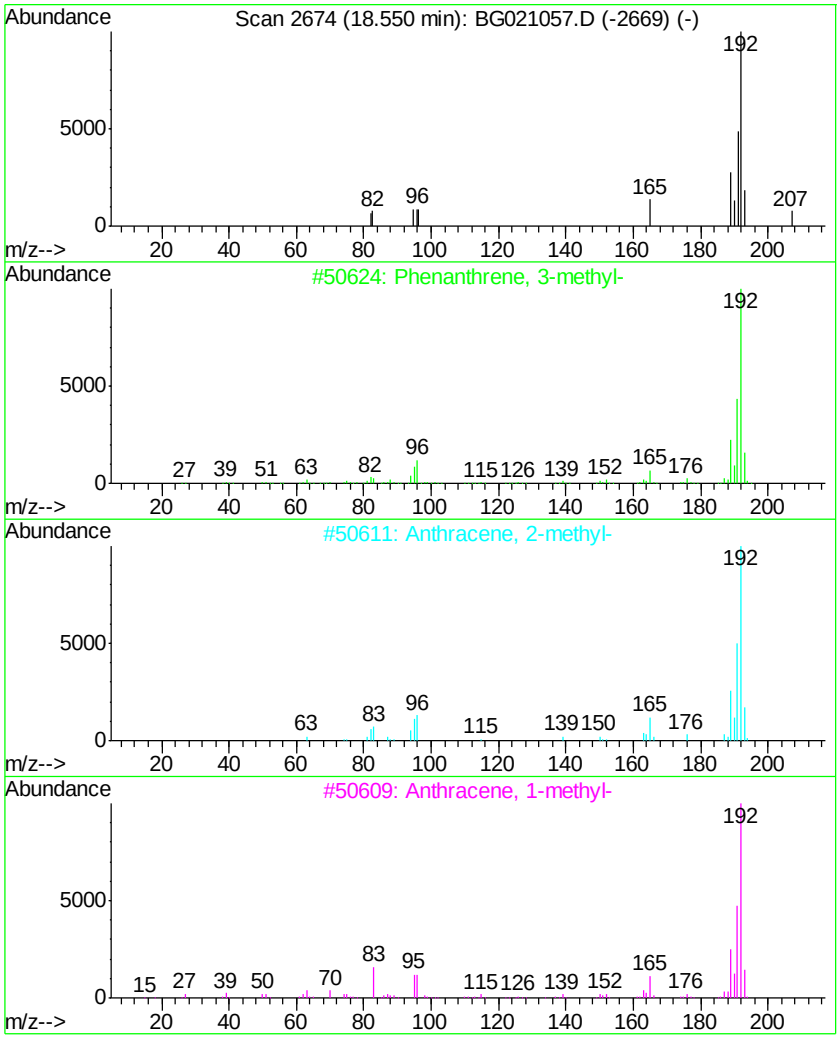
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

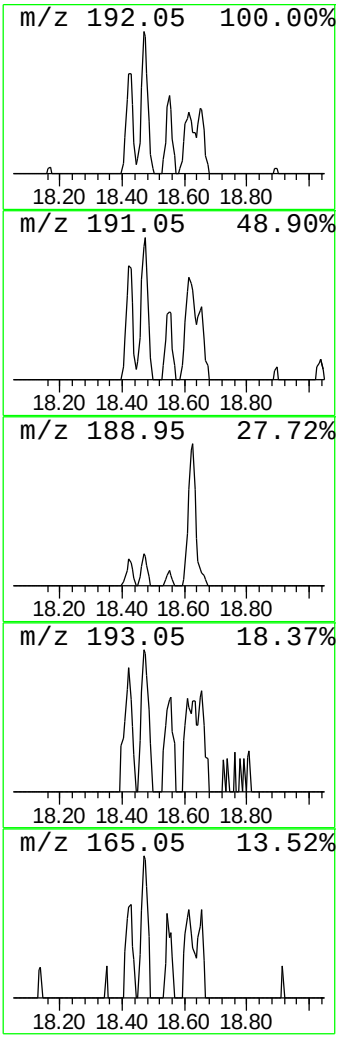
****

Peak Number 11 Phenanthrene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	2.80 ng	8777	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	80
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80





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Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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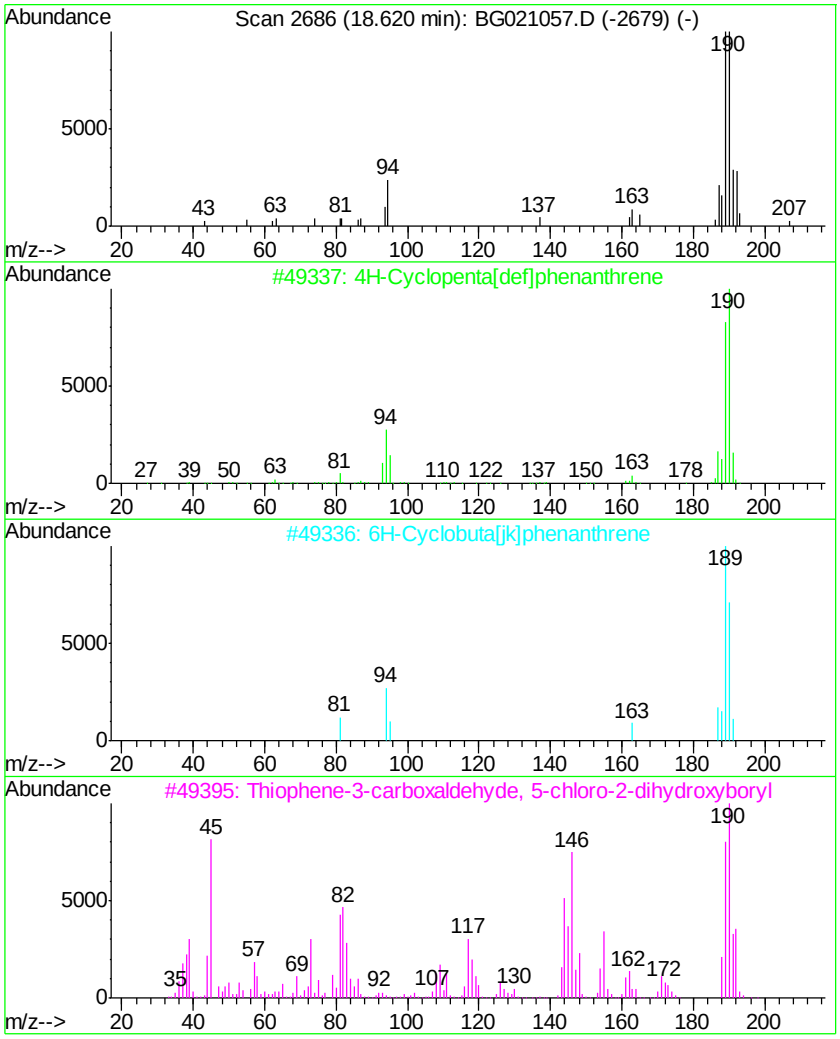
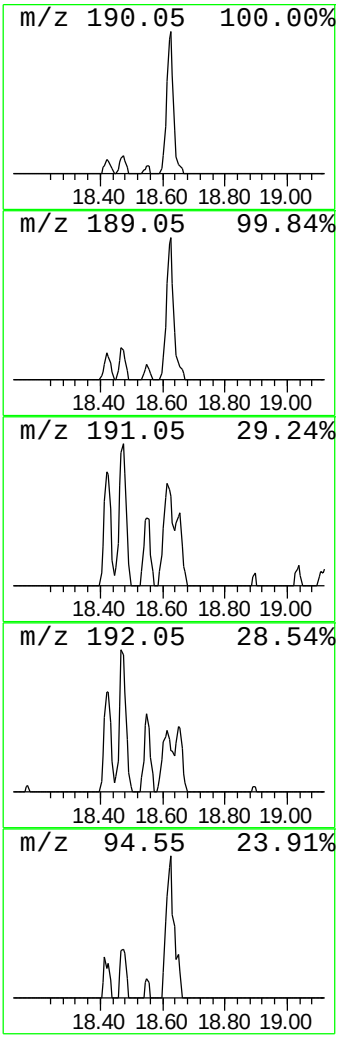
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	13.26 ng	41510	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36
5	4,4'-Difluorobiphenyl	190	C12H8F2	000398-23-2	23





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Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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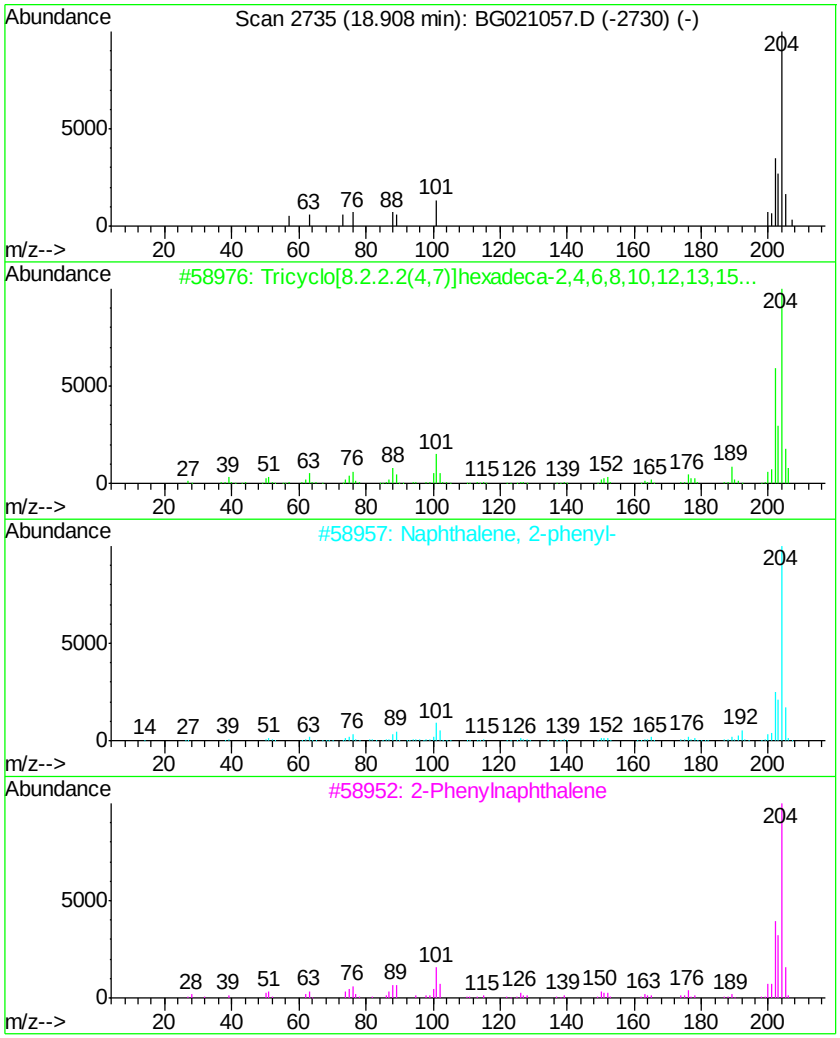
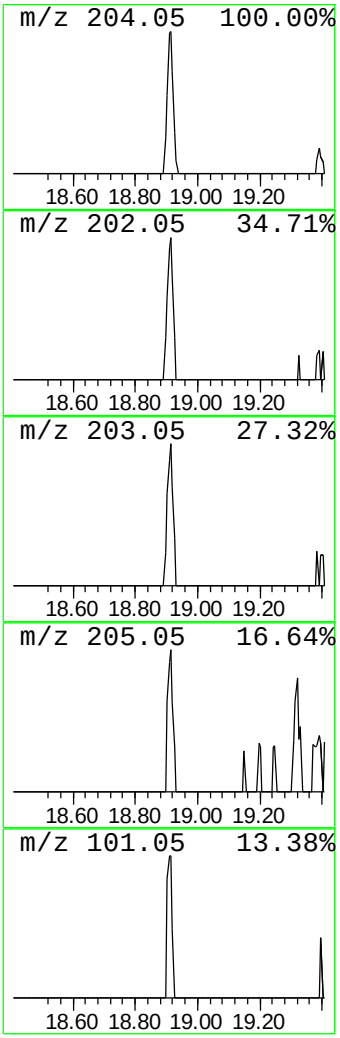
Peak Number 13 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	2.88 ng	9005	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	80
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	80
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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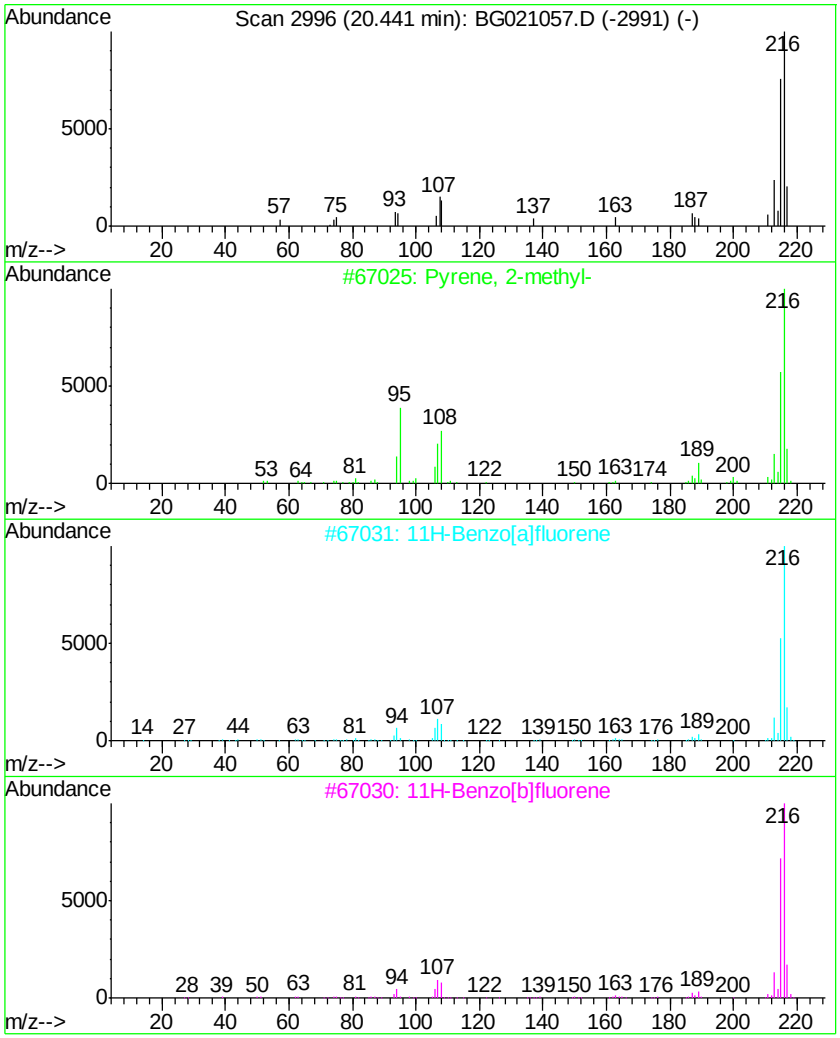
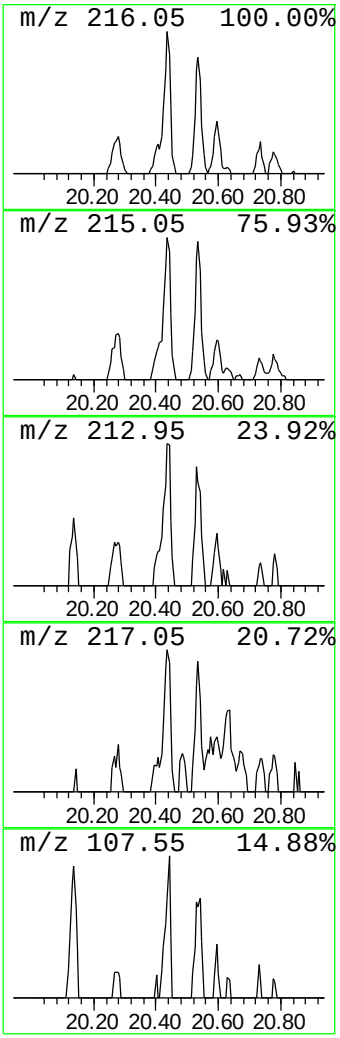
Peak Number 14 Pyrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	3.29 ng	29349	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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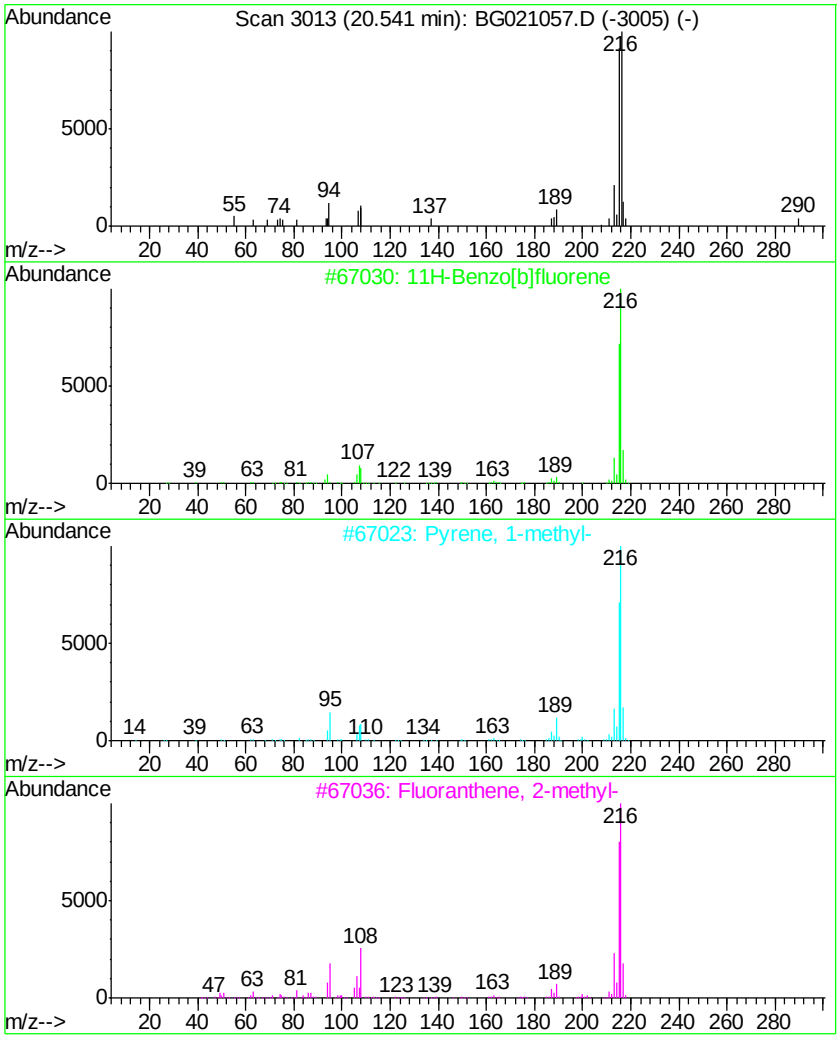
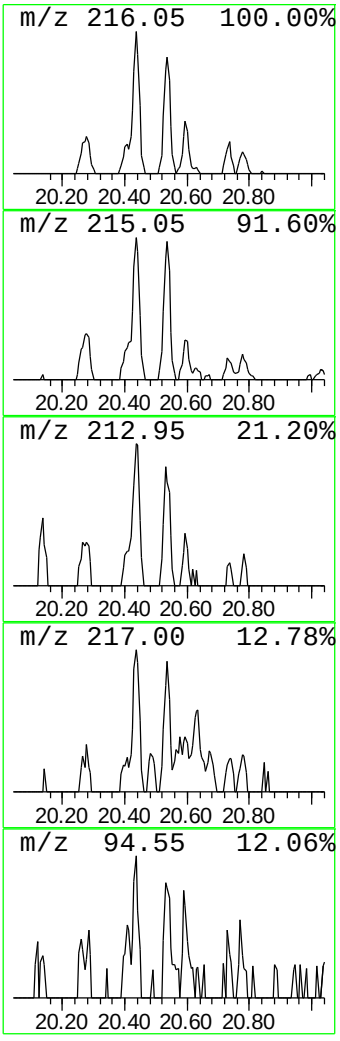
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.54	3.24 ng	28989	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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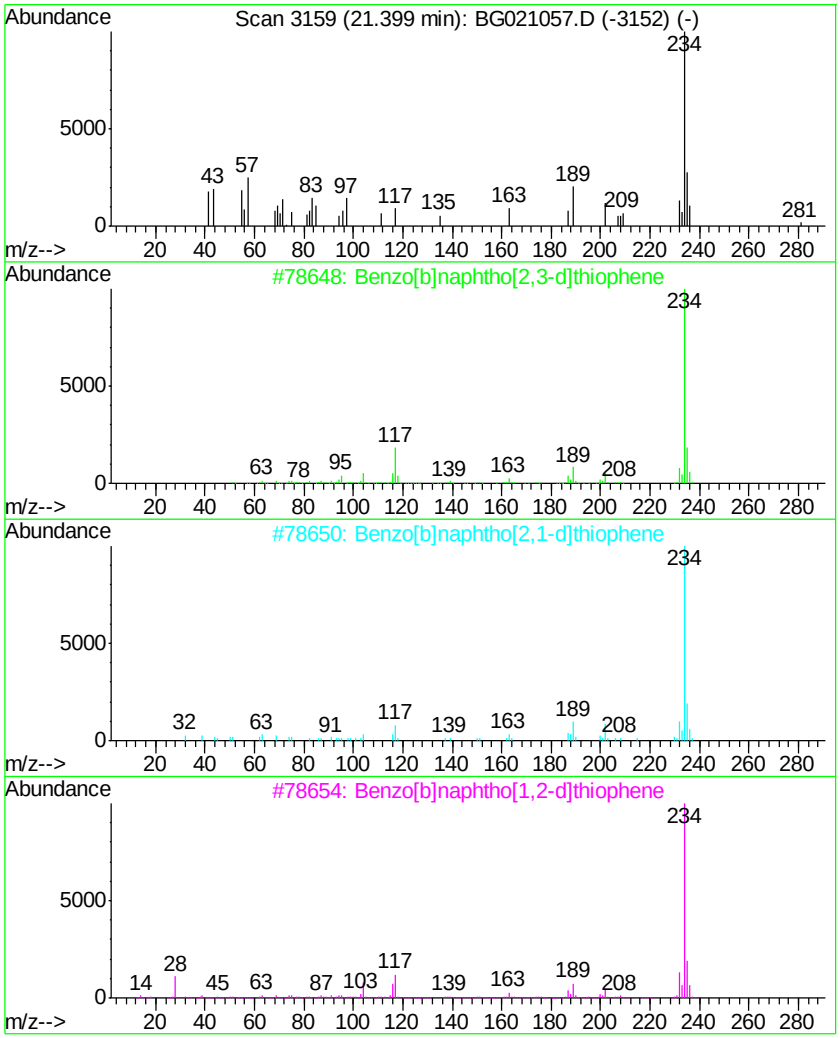
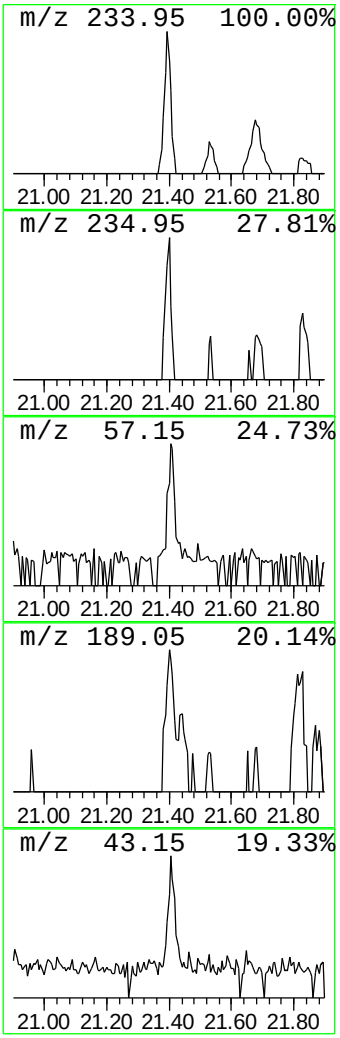
Peak Number 16 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	2.94 ng	26230	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	72
4	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	53
5	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	45





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Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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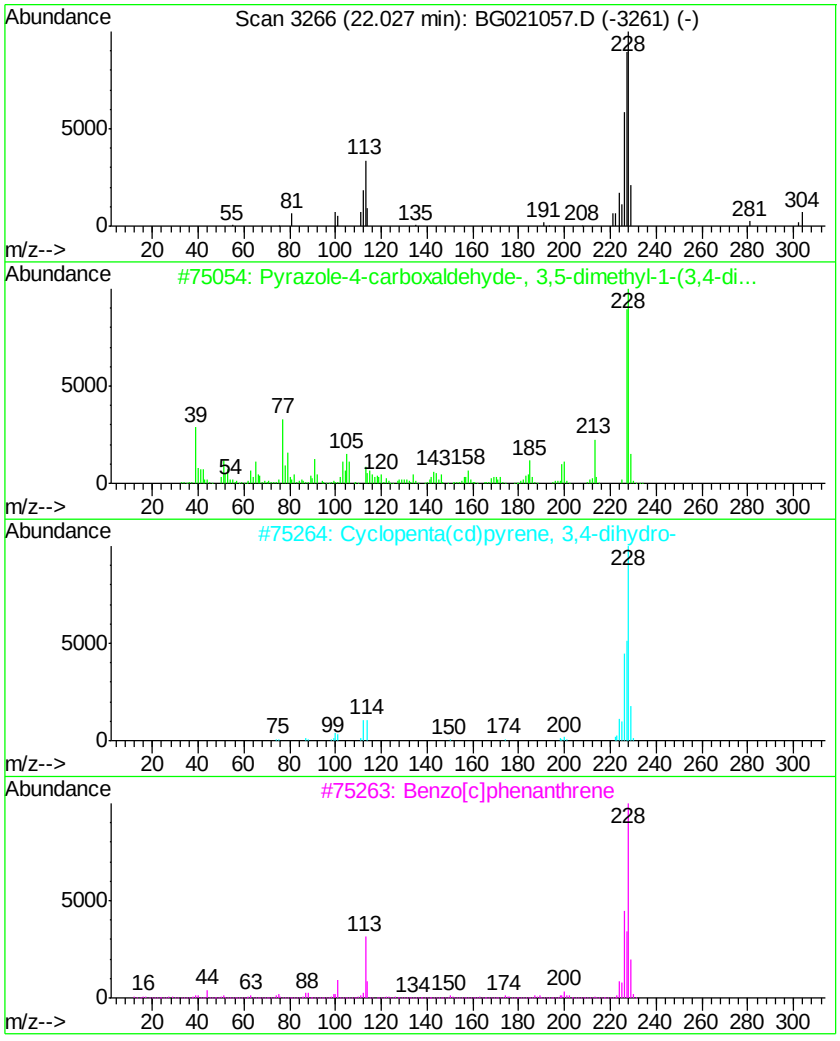
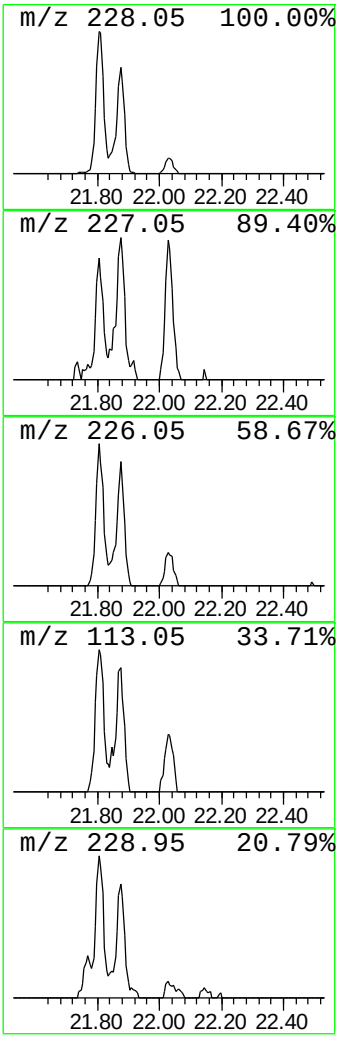
Peak Number 17 Pyrazole-4-carboxaldehyde-,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.03	2.44 ng	21823	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	38
5	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022416\
Data File : BG021057.D
Acq On : 24 Feb 2016 18:32
Operator : UM/SJ
Sample : H1520-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40053+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
unknown3.05	3.05	62.9	ng	71309	1	8.21	22676	20.0
2,3,4,5-Tetrahydr...	3.19	6.3	ng	7165	1	8.21	22676	20.0
2-Pentanone, 4-hy...	5.28	20.5	ng	23242	1	8.21	22676	20.0
unknown16.46	16.46	3.7	ng	11465	4	17.56	62624	20.0
Dibenzothiophene	17.38	2.6	ng	8123	4	17.56	62624	20.0
Phenanthrene, 2-m...	18.42	5.4	ng	16908	4	17.56	62624	20.0
Phenanthrene, 3-m...	18.55	2.8	ng	8777	4	17.56	62624	20.0
4H-Cyclopenta[def...	18.62	13.3	ng	41510	4	17.56	62624	20.0
Tricyclo[8.2.2.2(...	18.91	2.9	ng	9005	4	17.56	62624	20.0
Pyrene, 2-methyl-	20.44	3.3	ng	29349	5	21.83	178670	20.0
11H-Benzo[b]fluorene	20.54	3.2	ng	28989	5	21.83	178670	20.0
Benzo[b]naphtho[2...	21.40	2.9	ng	26230	5	21.83	178670	20.0
Pyrazole-4-carbox...	22.03	2.4	ng	21823	5	21.83	178670	20.0