LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022434.D
Acq On : 18 Jun 2016 21:58
Operator : UM/SJ
Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

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-BG060616.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	2.869	3	5	24	rVB	1203646	1640380	37.60%	3.199%
2	5.102	379	385	394	rBV2	25322	49488	1.13%	0.097%
3	5.601	463	470	484	rBV	408105	784607	17.98%	1.530%
4	7.229	739	747	760	rBV	472639	950235	21.78%	1.853%
5	7.581	799	807	825	rBV	521519	1014664	23.26%	1.979%
6	8.040	878	885	894	rVB	87457	157445	3.61%	0.307%
7	8.363	932	940	951	rBV	391186	734733	16.84%	1.433%
8	9.215	1077	1085	1099	rBV	281745	591645	13.56%	1.154%
9	10.860	1357	1365	1371	rBV	133555	280952	6.44%	0.548%
10	13.298	1771	1780	1793	rBV	900237	1554560	35.63%	3.032%
11	13.997	1893	1899	1905	rBV3	22651	45234	1.04%	0.088%
12	14.127	1913	1921	1928	rBV	159704	255742	5.86%	0.499%
13	14.409	1962	1969	1982	rBV	100906	261238	5.99%	0.510%
14	14.679	2002	2015	2022	rBV2	245485	455636	10.44%	0.889%
15	14.743	2022	2026	2033	rVB	36184	61418	1.41%	0.120%
16	15.078	2075	2083	2089	rBV3	30345	61022	1.40%	0.119%
17	15.496	2150	2154	2159	rVB2	41396	62373	1.43%	0.122%
18	15.725	2187	2193	2204	rVB3	53155	114446	2.62%	0.223%
19	16.013	2237	2242	2253	rVB	28969	62737	1.44%	0.122%
20	16.171	2263	2269	2280	rBV	607133	1044761	23.95%	2.038%
21	16.359	2296	2301	2313	rVB6	40258	118134	2.71%	0.230%
22	16.729	2354	2364	2368	rBV5	32587	82622	1.89%	0.161%
23	16.953	2394	2402	2405	rBV6	37357	81861	1.88%	0.160%
24	16.994	2405	2409	2417	rVB4	29498	66594	1.53%	0.130%
25	17.082	2419	2424	2431	rBV3	48379	81371	1.87%	0.159%
26	17.147	2431	2435	2442	rBV2	50767	90761	2.08%	0.177%
27	17.246	2447	2452	2462	rVB	47010	89337	2.05%	0.174%
28	17.429	2476	2483	2485	rBV	258984	434852	9.97%	0.848%
29	17.470	2485	2490	2497	rVB	1001872	1624919	37.24%	3.169%
30	17.558	2500	2505	2513	rBV	173325	296442	6.79%	0.578%
31	17.840	2544	2553	2558	rBV3	79607	193413	4.43%	0.377%
32	17.881	2558	2560	2566	rVV	36688	58466	1.34%	0.114%
33	17.940	2566	2570	2576	rVV	38779	68046	1.56%	0.133%
34	18.004	2577	2581	2588	rVB4	31547	58471	1.34%	0.114%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022434.D
Acq On : 18 Jun 2016 21:58
Operator : UM/SJ
Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

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-BG060616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.298	2625	2631	2635	rBV	191868	306062	7.01%	0.597%
36	18.345	2635	2639	2646	rVB	253461	386381	8.86%	0.754%
37	18.427	2648	2653	2658	rBV	80237	121726	2.79%	0.237%
38	18.492	2658	2664	2668	rBV2	296120	594527	13.63%	1.160%
39	18.792	2710	2715	2720	rBV	137944	208621	4.78%	0.407%
40	18.845	2720	2724	2732	rVB2	127008	202055	4.63%	0.394%
41	19.033	2749	2756	2761	rBV3	64237	128204	2.94%	0.250%
42	19.085	2761	2765	2768	rBV	62069	74655	1.71%	0.146%
43	19.121	2768	2771	2778	rVB	52633	79977	1.83%	0.156%
44	19.203	2779	2785	2790	rBV	183159	341588	7.83%	0.666%
45	19.268	2790	2796	2799	rBV4	59939	122883	2.82%	0.240%
46	19.356	2805	2811	2819	rVB2	142967	294920	6.76%	0.575%
47	19.479	2824	2832	2837	rBV	2762120	4362977	100.00%	8.510%
48	19.526	2837	2840	2843	rVV2	52504	78695	1.80%	0.153%
49	19.567	2843	2847	2852	rVV3	62085	99177	2.27%	0.193%
50	19.626	2852	2857	2861	rVV	139960	219463	5.03%	0.428%
51	19.697	2865	2869	2880	rVV4	204906	459942	10.54%	0.897%
52	19.802	2882	2887	2888	rVV	359694	444019	10.18%	0.866%
53	19.843	2888	2894	2900	rVV	2397722	3887496	89.10%	7.582%
54	19.902	2900	2904	2910	rVB	152452	241141	5.53%	0.470%
55	20.020	2918	2924	2930	rBV2	1176901	1675920	38.41%	3.269%
56	20.078	2930	2934	2940	rVB	91106	159457	3.65%	0.311%
57	20.161	2940	2948	2954	rBV2	220365	556041	12.74%	1.085%
58	20.296	2964	2971	2972	rBV4	189777	339638	7.78%	0.662%
59	20.325	2972	2976	2981	rVB	281681	471896	10.82%	0.920%
60	20.419	2988	2992	2996	rBV	150017	225056	5.16%	0.439%
61	20.484	2996	3003	3007	rVB2	230588	434531	9.96%	0.848%
62	20.554	3013	3015	3020	rVB4	47363	59869	1.37%	0.117%
63	20.619	3022	3026	3030	rVV	168956	247128	5.66%	0.482%
64	20.666	3030	3034	3042	rVB3	159180	270895	6.21%	0.528%
65	20.736	3042	3046	3052	rBV3	102090	165898	3.80%	0.324%
66	21.089	3101	3106	3114	rVB	300991	480754	11.02%	0.938%
67	21.265	3129	3136	3140	rBV2	263276	547554	12.55%	1.068%
68	21.306	3140	3143	3148	rVV	238687	437028	10.02%	0.852%
69	21.359	3148	3152	3158	rVV2	218745	437767	10.03%	0.854%
70	21.430	3159	3164	3176	rVB	262440	529716	12.14%	1.033%
71	21.547	3176	3184	3193	rBV	73848	226076	5.18%	0.441%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022434.D
Acq On : 18 Jun 2016 21:58
Operator : UM/SJ
Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

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-BG060616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	21.682	3198	3207	3213	rVV3	1223500	3095461	70.95%	6.038%
73	21.741	3213	3217	3229	rVB	1081886	2062934	47.28%	4.024%
74	21.841	3230	3234	3238	rVB4	49885	76328	1.75%	0.149%
75	21.894	3238	3243	3250	rBV2	96498	200778	4.60%	0.392%
76	21.970	3251	3256	3267	rBV5	121542	261239	5.99%	0.510%
77	22.111	3273	3280	3285	rBV3	105449	237806	5.45%	0.464%
78	22.164	3286	3289	3296	rVB6	44700	77745	1.78%	0.152%
79	22.346	3316	3320	3324	rBV2	54217	84525	1.94%	0.165%
80	22.423	3325	3333	3339	rVV	190994	502424	11.52%	0.980%
81	22.493	3341	3345	3354	rVB2	92892	225289	5.16%	0.439%
82	22.699	3375	3380	3385	rBV	91593	199156	4.56%	0.388%
83	23.128	3448	3453	3460	rBV8	45156	101459	2.33%	0.198%
84	23.533	3514	3522	3531	rBV3	96383	296523	6.80%	0.578%
85	23.927	3576	3589	3596	rBV2	888715	3281869	75.22%	6.401%
86	24.168	3623	3630	3640	rVB	187731	472439	10.83%	0.921%
87	24.379	3660	3666	3668	rBV6	33444	72163	1.65%	0.141%
88	24.644	3702	3711	3726	rVB	447719	1456281	33.38%	2.840%
89	24.802	3726	3738	3747	rBV	609203	1832409	42.00%	3.574%
90	24.943	3755	3762	3769	rBV3	111494	339098	7.77%	0.661%
91	25.026	3770	3776	3789	rVB2	168267	560803	12.85%	1.094%
92	28.692	4383	4400	4417	rVB4	268241	1406021	32.23%	2.742%
93	29.855	4580	4598	4616	rBV3	188538	979316	22.45%	1.910%

Sum of corrected areas: 51270404

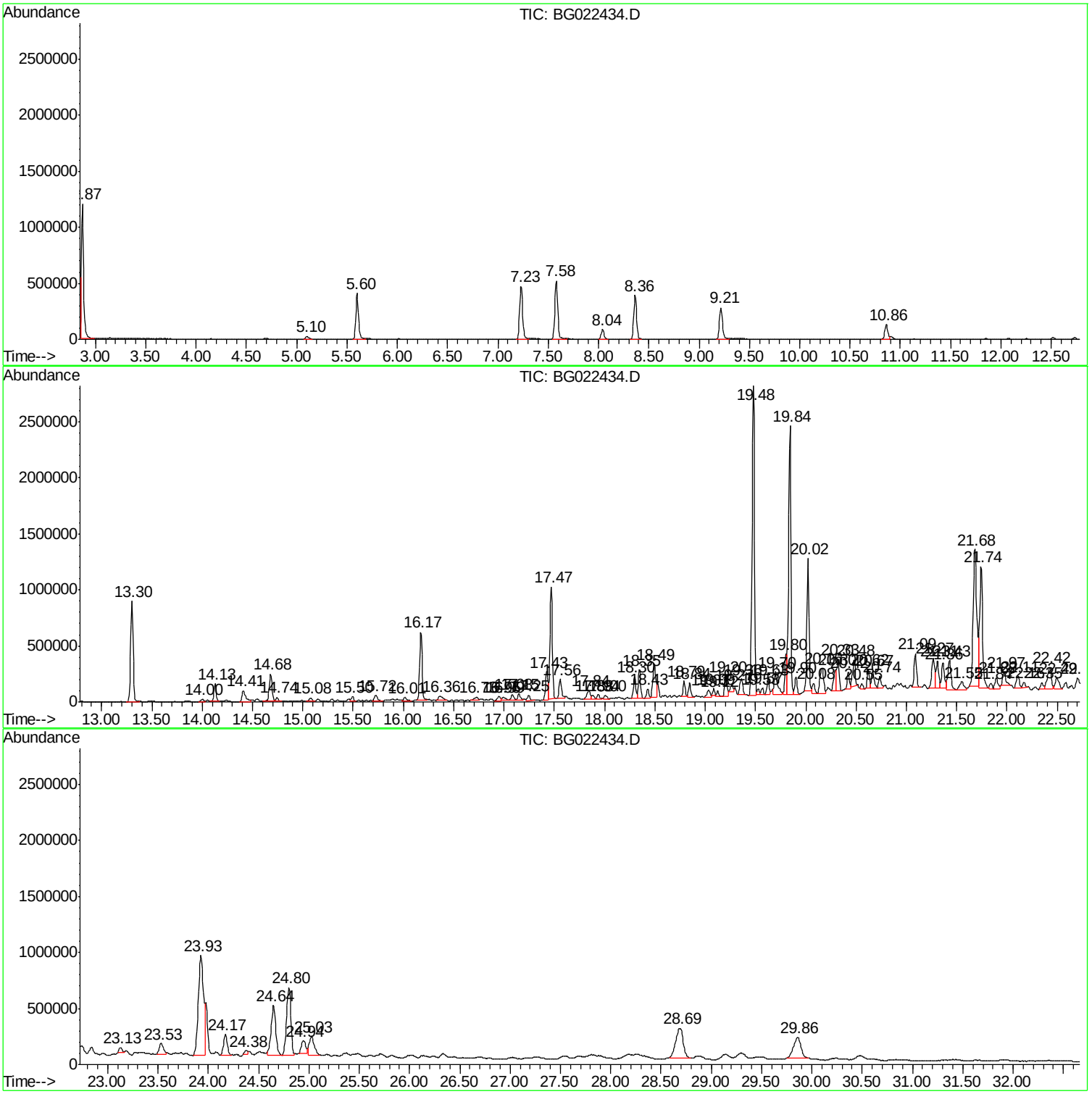
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022434.D
Acq On : 18 Jun 2016 21:58
Operator : UM/SJ
Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
STA-1065-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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\BG061716\
Data File : BG022434.D
Acq On : 18 Jun 2016 21:58
Operator : UM/SJ
Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

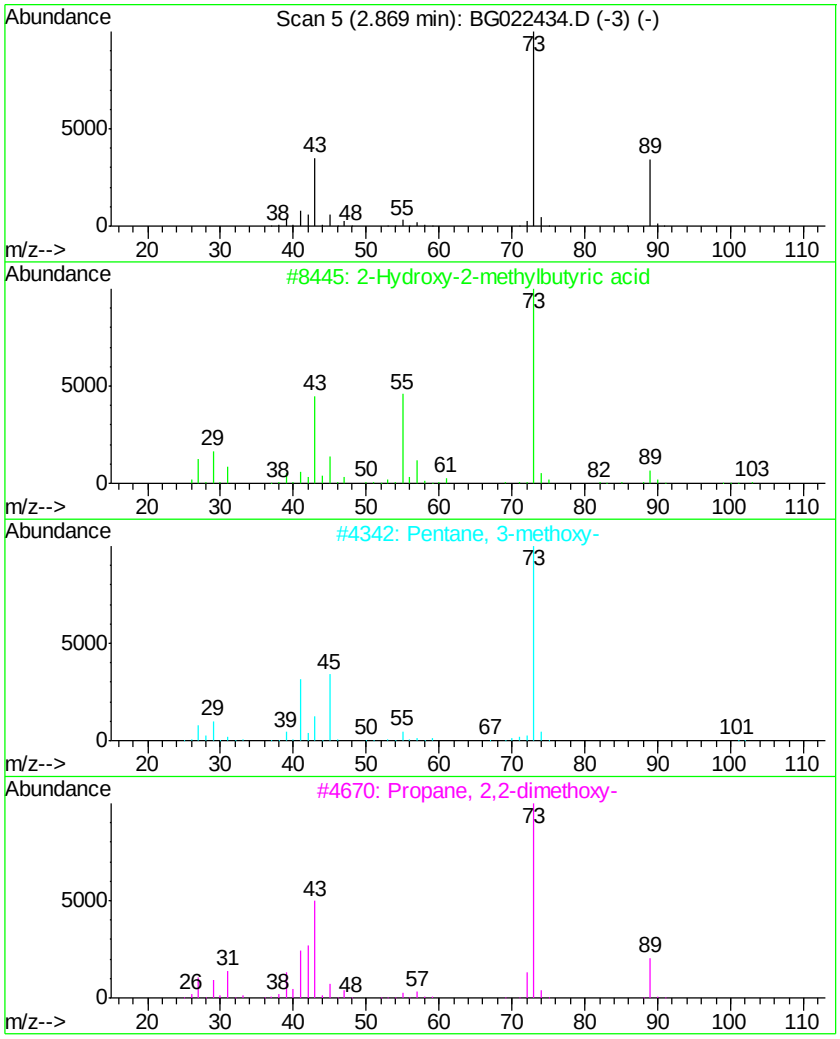
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

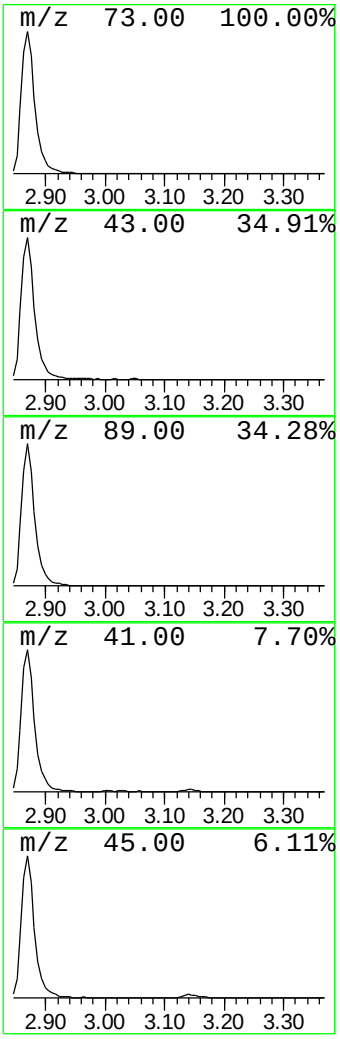
****

Peak Number 1 unknown2.87 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.87	208.38 ng	1640380	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	28
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
3	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	9
4	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	7
5	N-Ethylformamide	73	C3H7NO	000627-45-2	5





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022434.D
Acq On : 18 Jun 2016 21:58
Operator : UM/SJ
Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

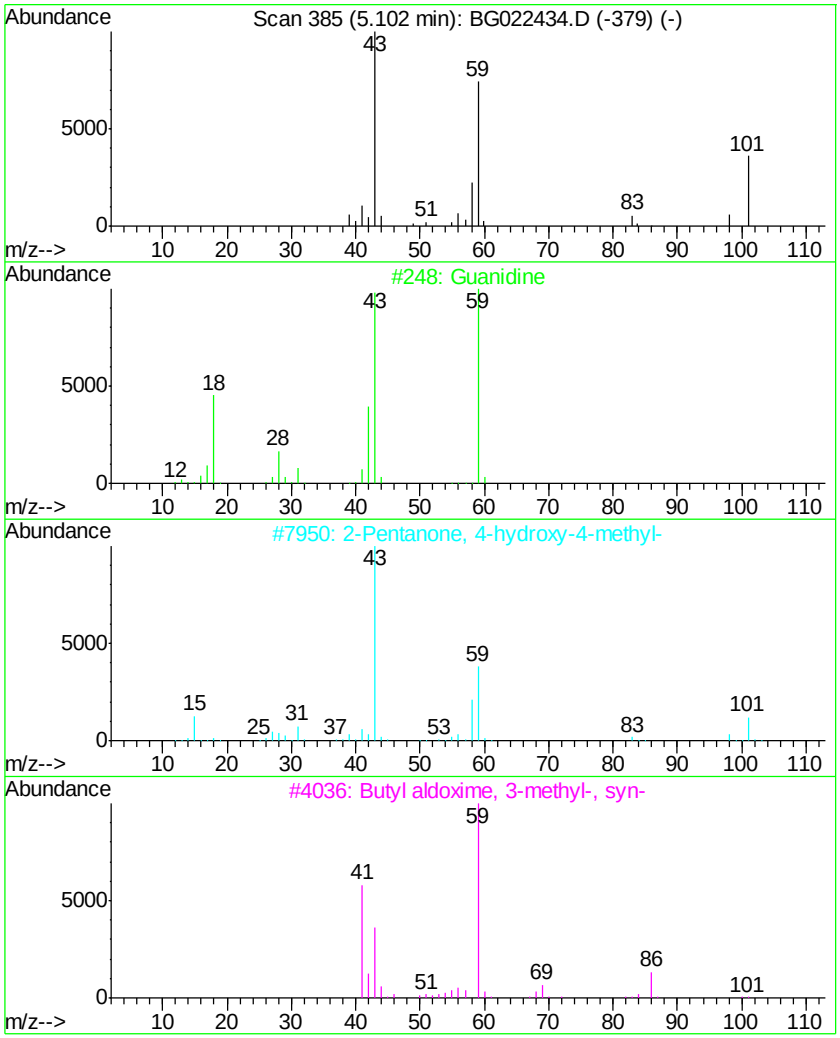
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

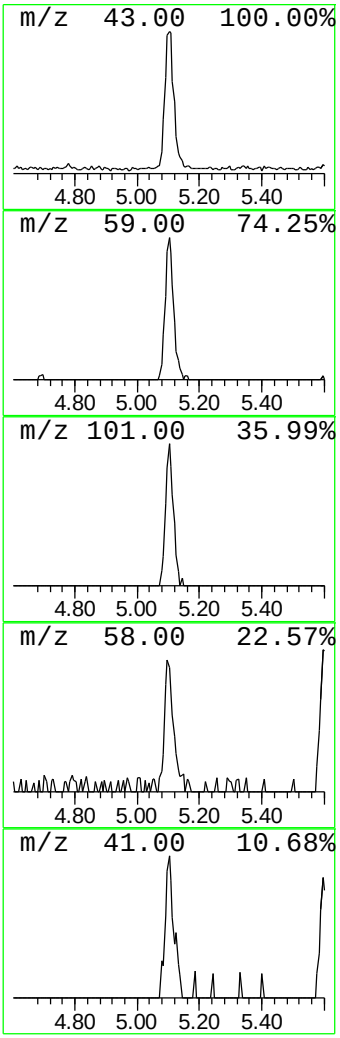
****

Peak Number 2 unknown5.10 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	6.29 ng	49488	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Guanidine	59	CH5N3	000113-00-8	47
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	32
3	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	32
4	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	25
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	10





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022434.D
Acq On : 18 Jun 2016 21:58
Operator : UM/SJ
Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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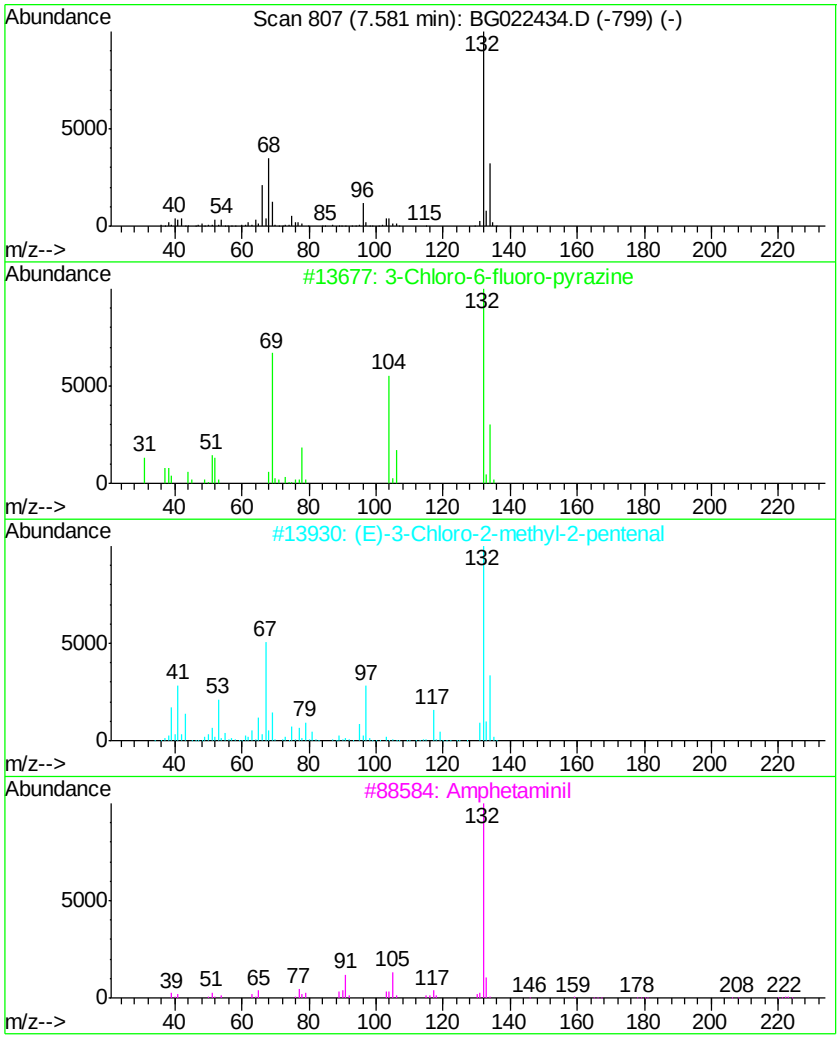
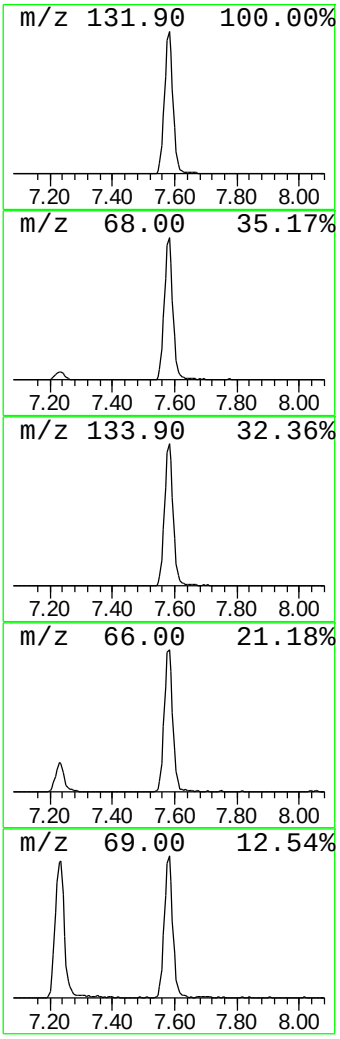
Peak Number 3 unknown7.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	128.89 ng	1014660	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022434.D
Acq On : 18 Jun 2016 21:58
Operator : UM/SJ
Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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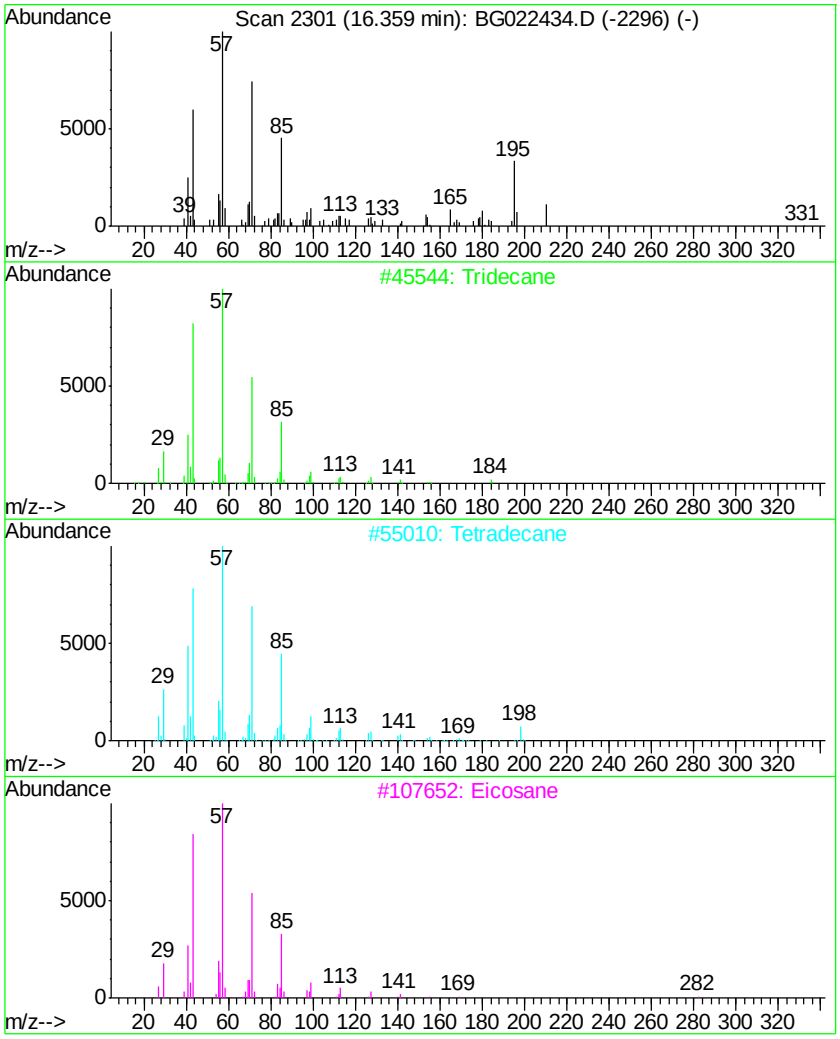
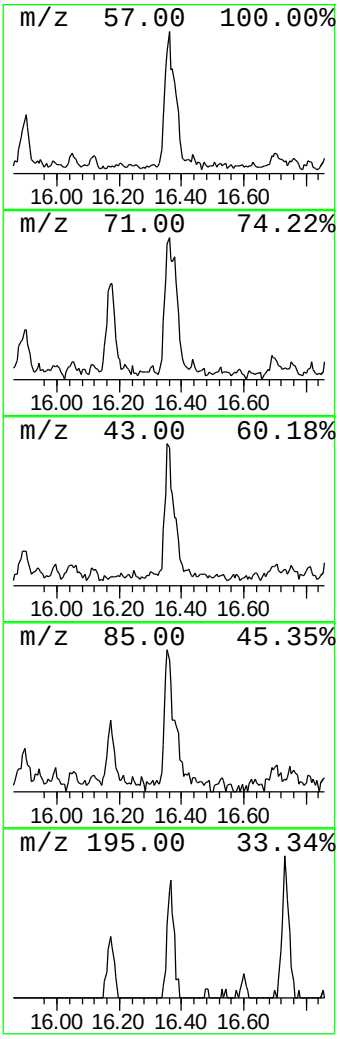
Peak Number 5 Tridecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	5.43 ng	118134	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	76
2	Tetradecane	198	C14H30	000629-59-4	64
3	Eicosane	282	C20H42	000112-95-8	64
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	59
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022434.D
Acq On : 18 Jun 2016 21:58
Operator : UM/SJ
Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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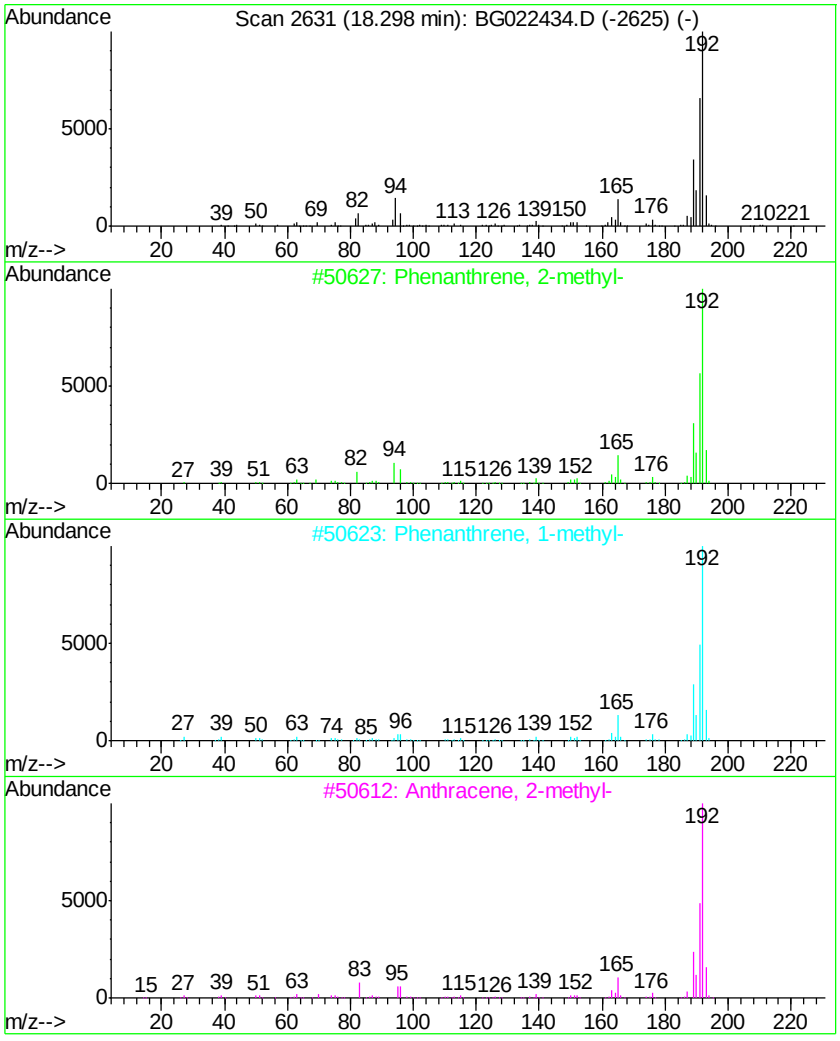
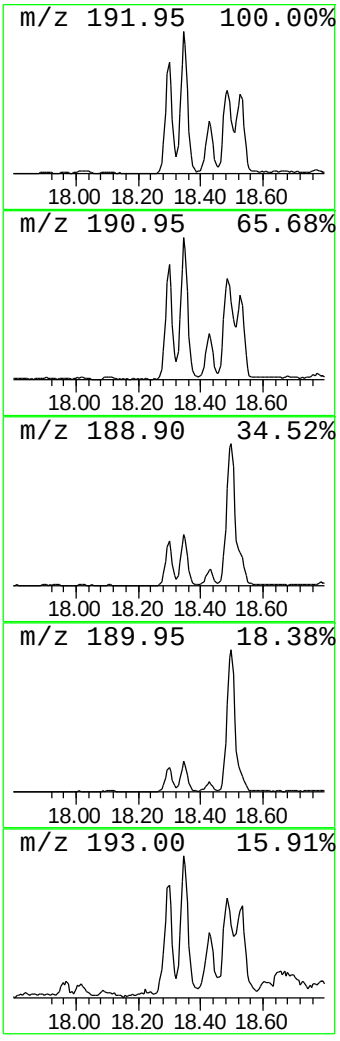
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	14.08 ng	306062	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022434.D
Acq On : 18 Jun 2016 21:58
Operator : UM/SJ
Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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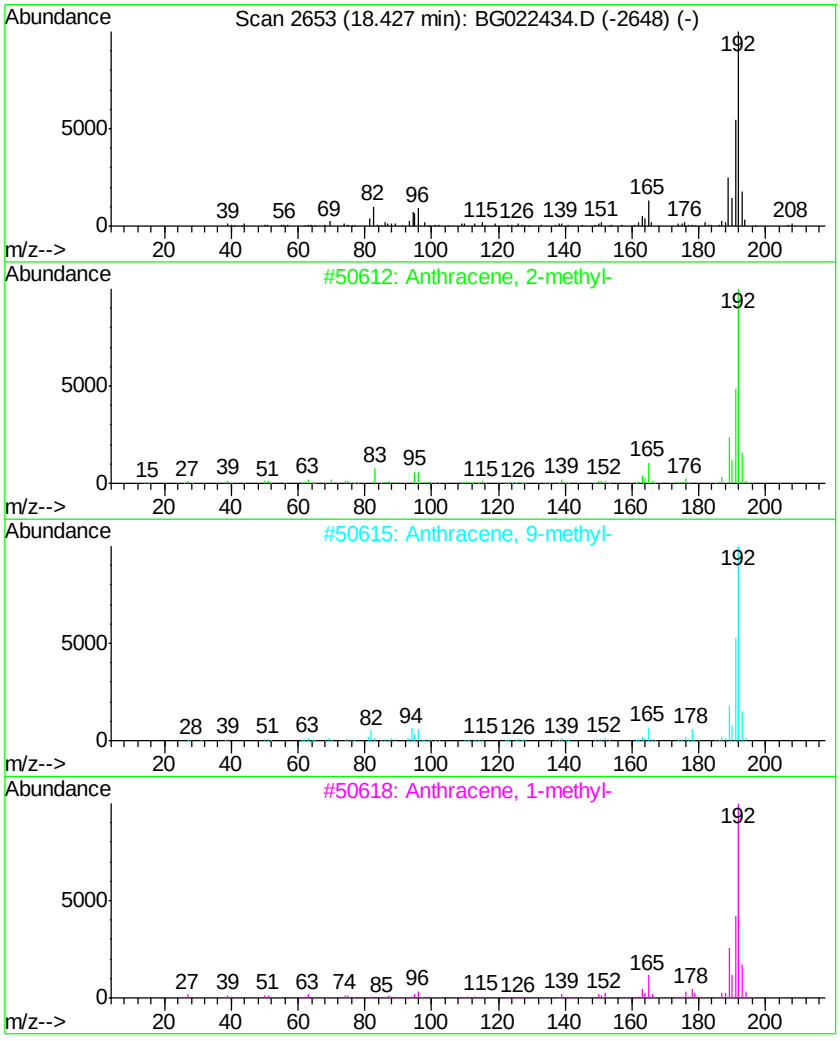
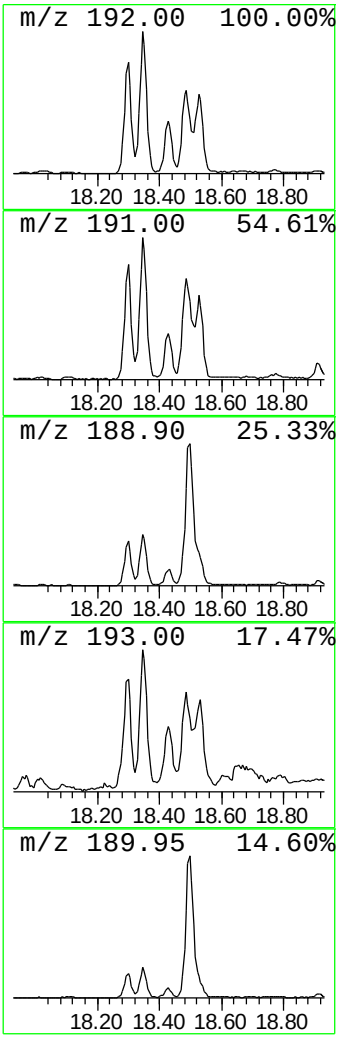
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	5.60 ng	121726	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Data File : BG022434.D
Acq On : 18 Jun 2016 21:58
Operator : UM/SJ
Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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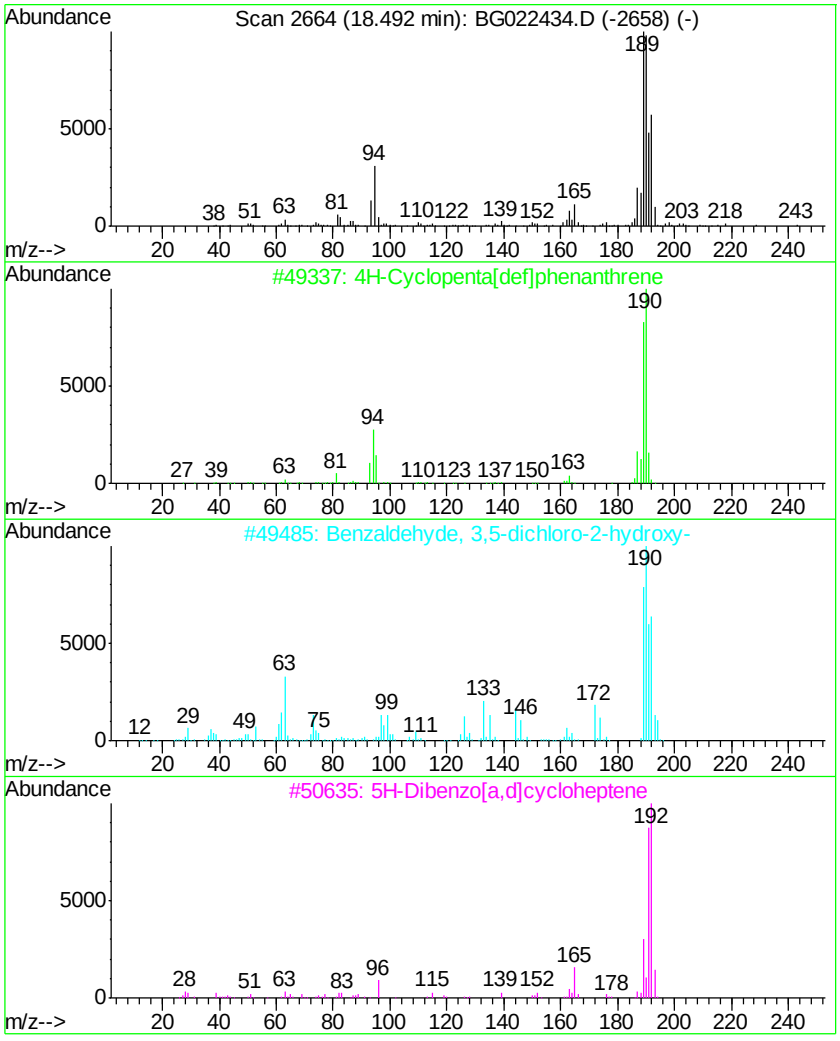
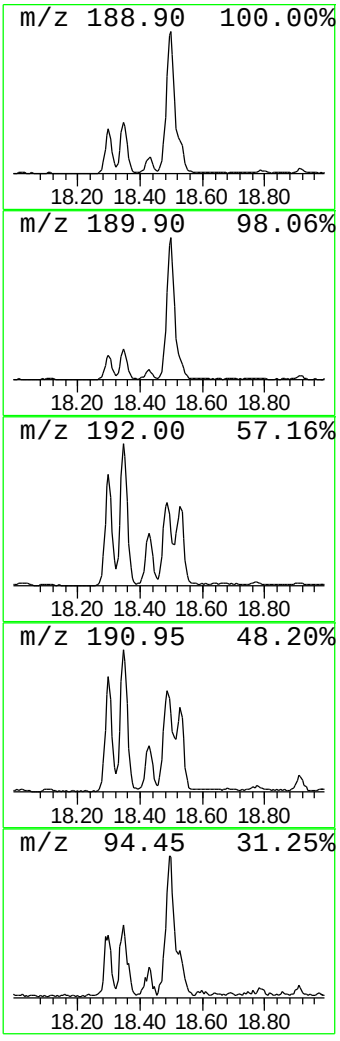
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	27.34 ng	594527	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	20





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Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
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TIC Library : C:\DATABASE\NIST02.L
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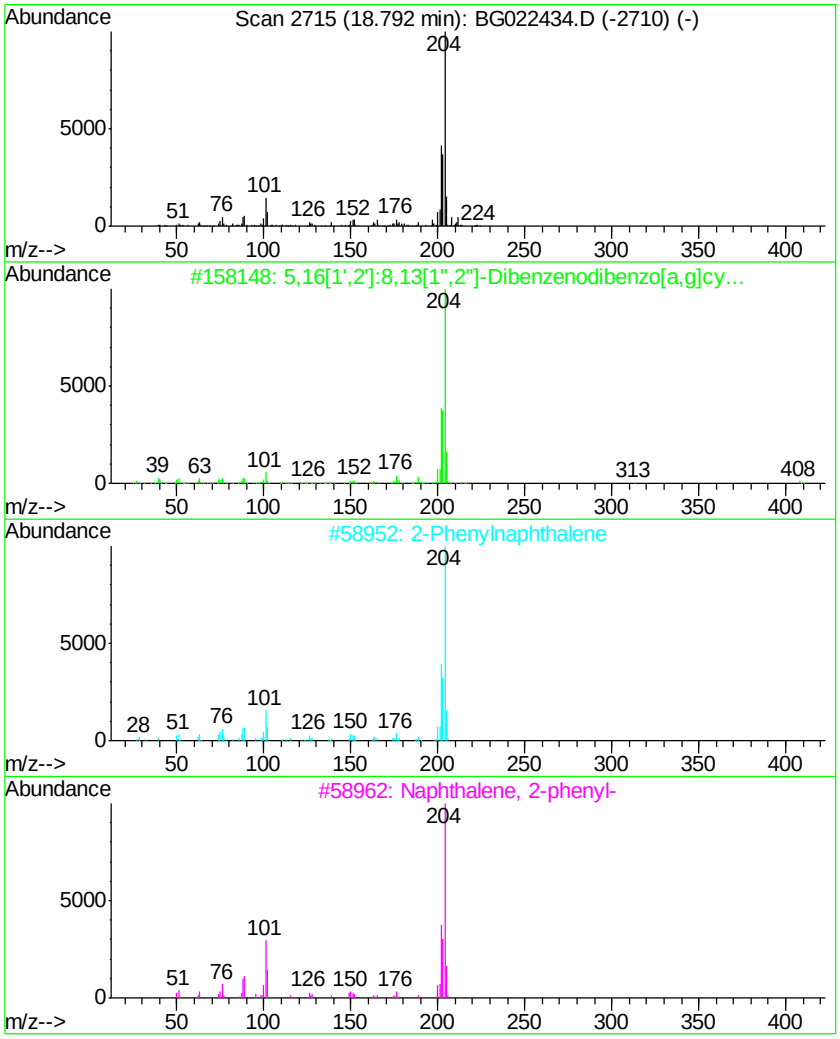
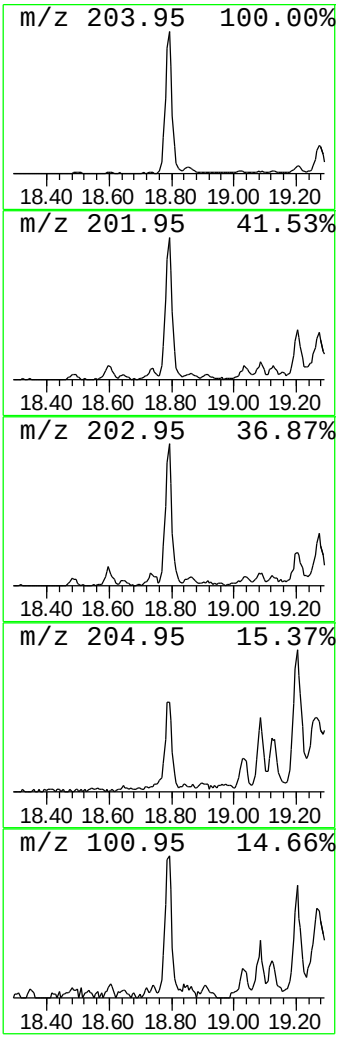
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	9.60 ng	208621	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	72
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53





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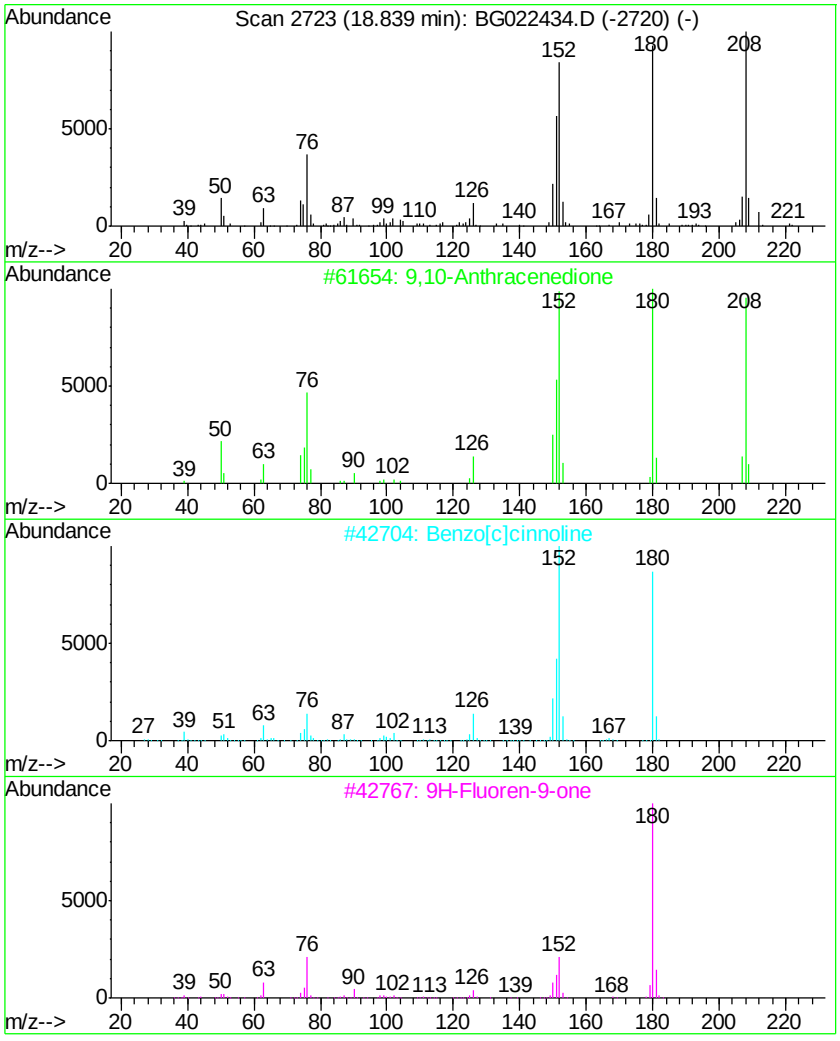
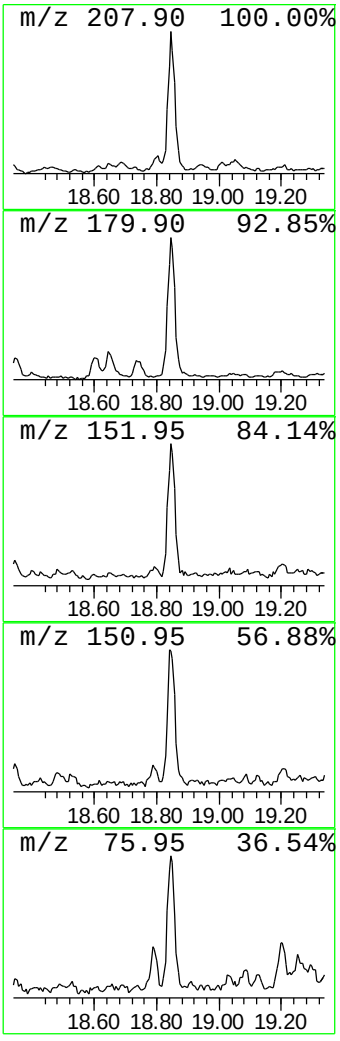
Peak Number 11 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	9.29 ng	202055	Phenanthrene-d10	17.42

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	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	64
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60





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Operator : UM/SJ
Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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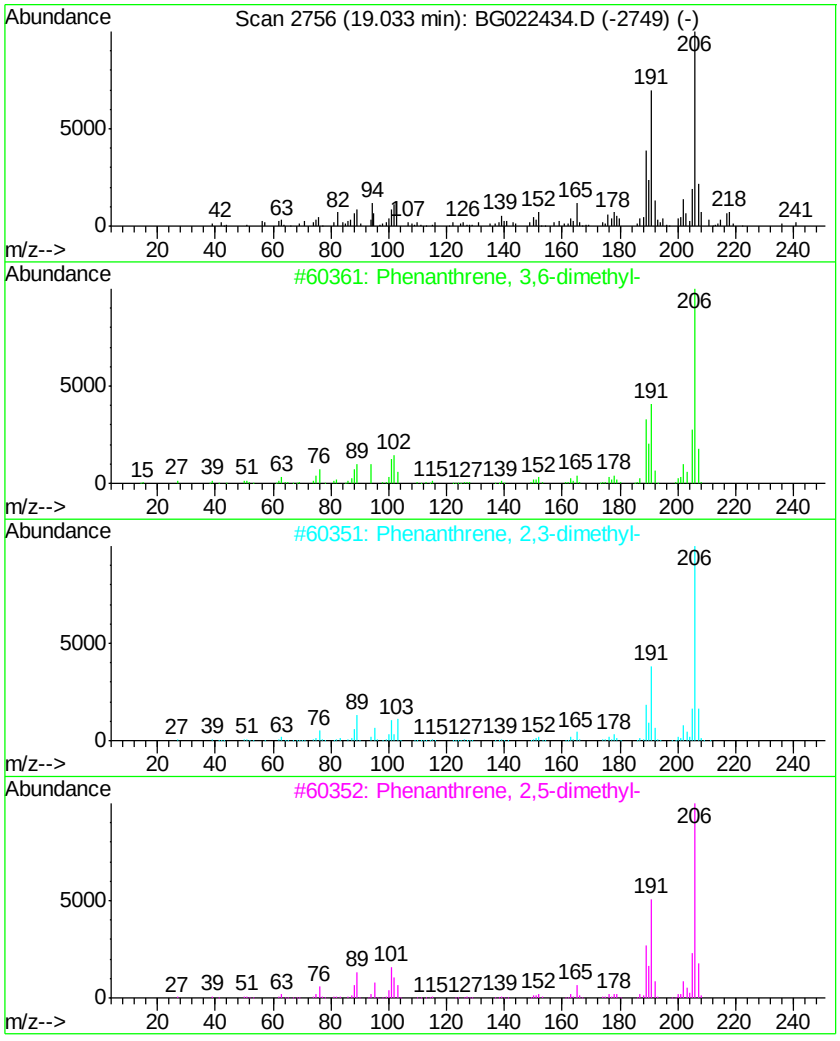
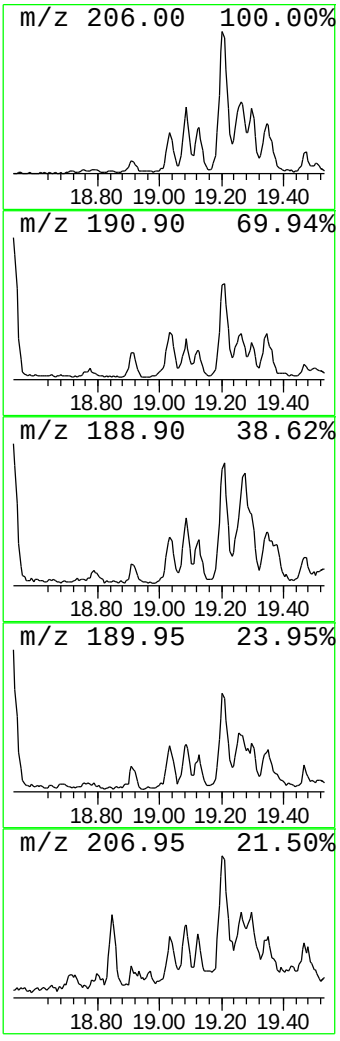
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	5.90 ng	128204	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87





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Acq On : 18 Jun 2016 21:58
Operator : UM/SJ
Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

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

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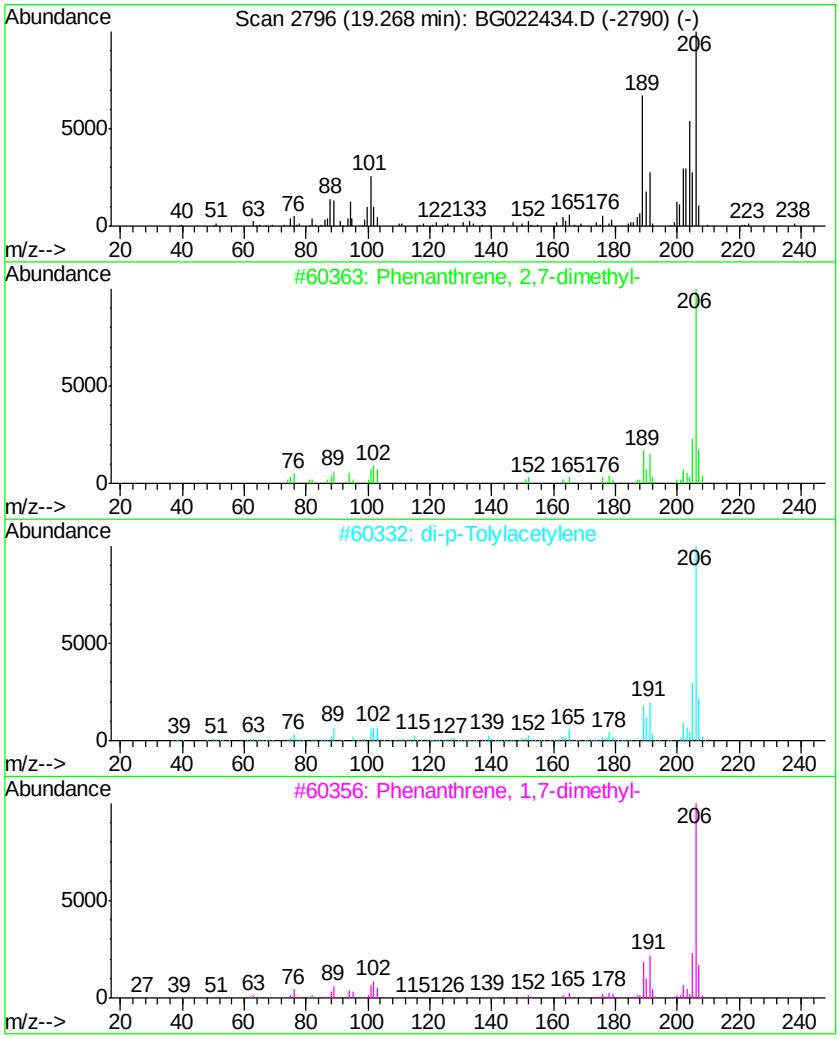
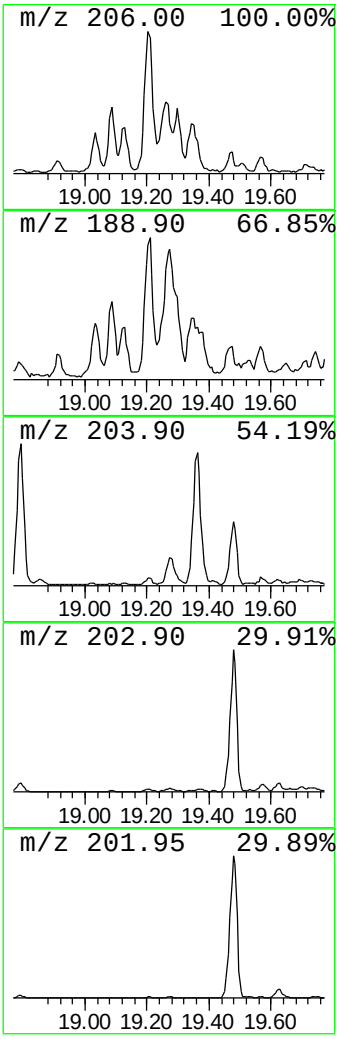
Peak Number 14 unknown19.27 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	5.65 ng	122883	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	46
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	38
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	27
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	25





Library Search Compound Report

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Data File : BG022434.D
Acq On : 18 Jun 2016 21:58
Operator : UM/SJ
Sample : H3471-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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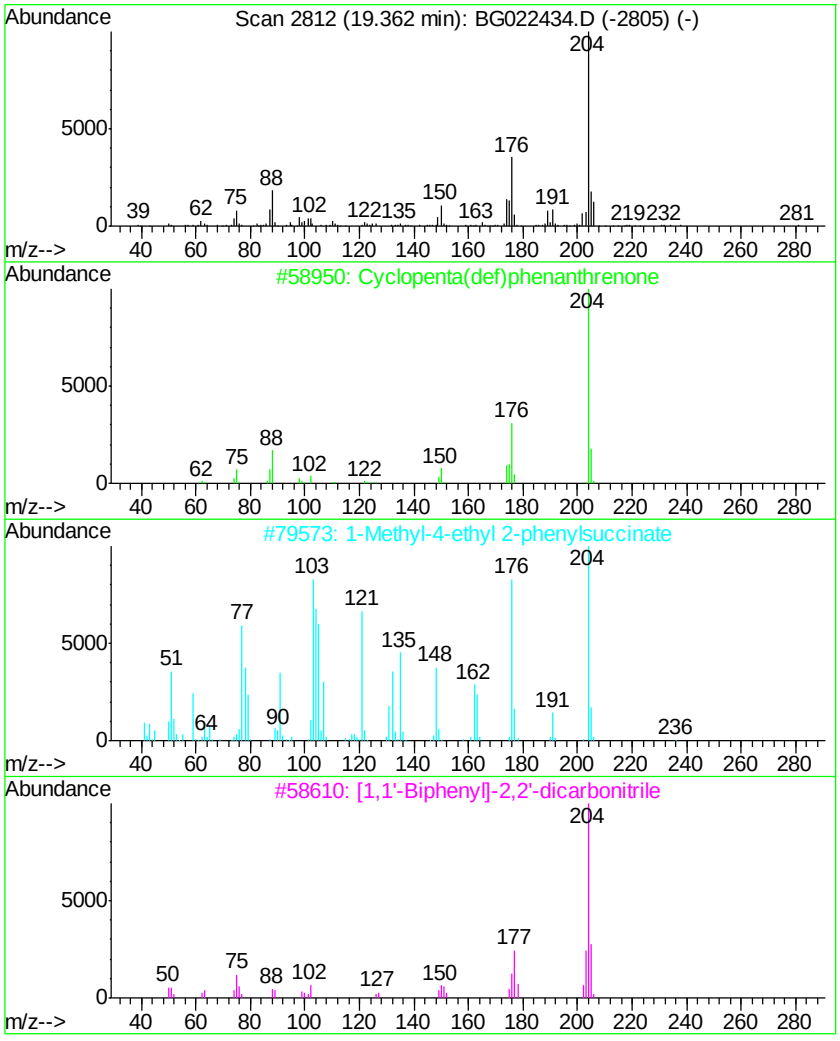
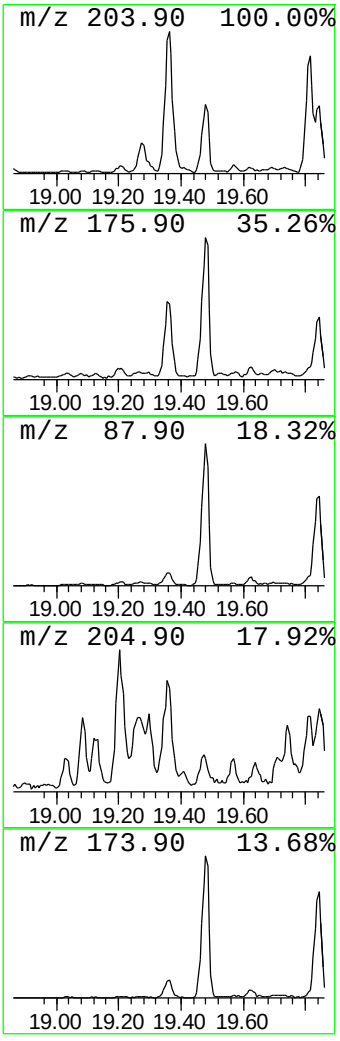
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	13.56 ng	294920	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	1-Methyl-4-ethyl 2-phenylsuccinate	236	C13H16O4	132545-36-9	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	40





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Sample : H3471-13
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Instrument : BNA_G
ClientSampleId : STA-1065-(0-4)

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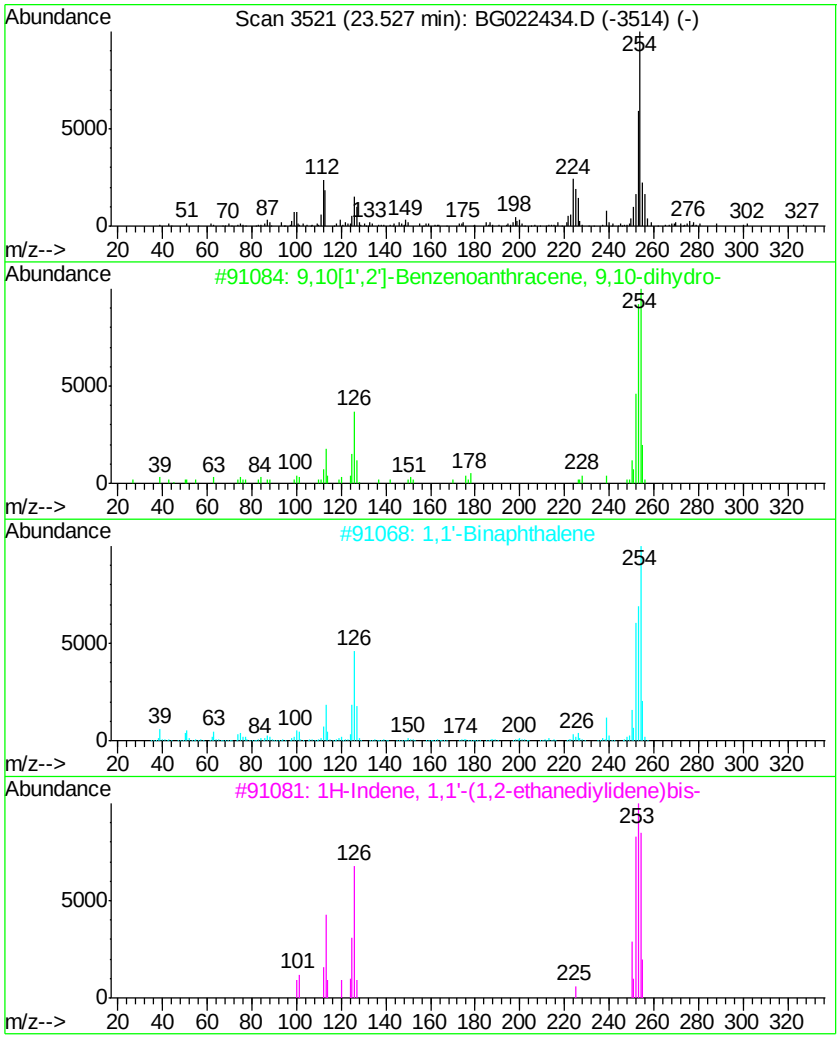
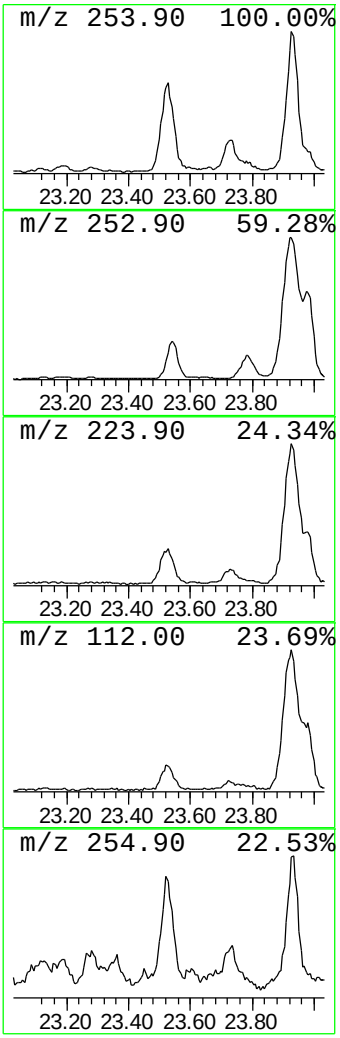
Peak Number 16 9,10[1',2']-Benzenoanthrace... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.53	17.49 ng	296523	Perylene-d12	24.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	70
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
3	1H-Indene, 1,1'-(1,2-ethanedivli...	254	C20H14	072088-04-1	62
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	58
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	53





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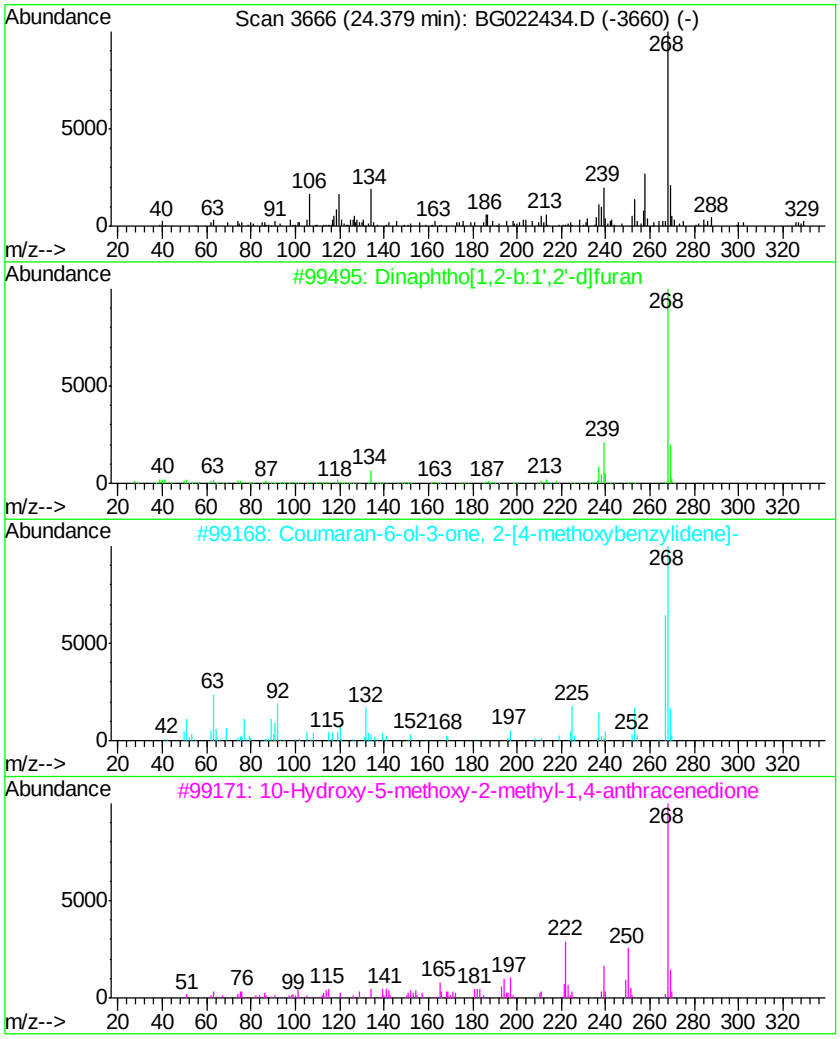
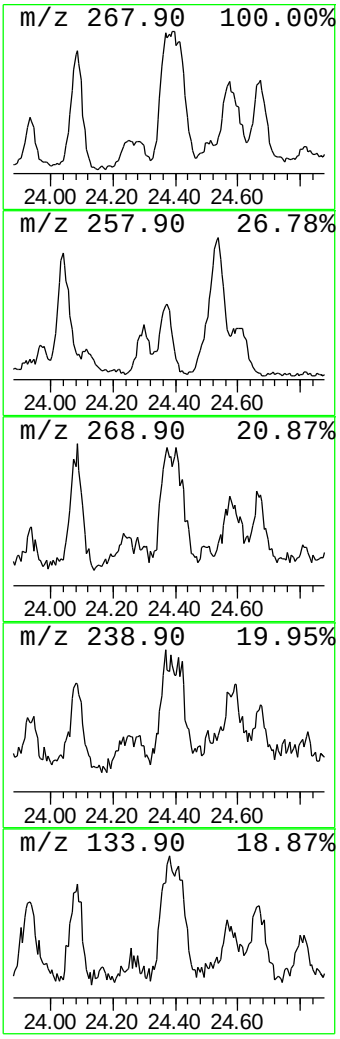
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.38	4.26 ng	72163	Perylene-d12	24.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
2	Coumaran-6-ol-3-one, 2-[4-methox...	268	C16H12O4	020727-61-1	53
3	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	53
4	Benzene, 1,1'-(1,2-dimethyl-1,2-...	268	C18H20O2	000895-37-4	47
5	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	47





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
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unknown5.10	5.10	6.3	ng	49488	1	8.04	157445	20.0
unknown7.58	7.58	128.9	ng	1014660	1	8.04	157445	20.0
Tridecane	16.36	5.4	ng	118134	4	17.42	434852	20.0
Phenanthrene, 2-m...	18.30	14.1	ng	306062	4	17.42	434852	20.0
Anthracene, 2-met...	18.43	5.6	ng	121726	4	17.42	434852	20.0
4H-Cyclopenta[def...	18.49	27.3	ng	594527	4	17.42	434852	20.0
5,16[1',2']:8,13[...	18.79	9.6	ng	208621	4	17.42	434852	20.0
9,10-Anthracenedione	18.84	9.3	ng	202055	4	17.42	434852	20.0
Phenanthrene, 3,6...	19.03	5.9	ng	128204	4	17.42	434852	20.0
unknown19.27	19.27	5.7	ng	122883	4	17.42	434852	20.0
Cyclopenta(def)ph...	19.36	13.6	ng	294920	4	17.42	434852	20.0
9,10[1',2']-Benze...	23.53	17.5	ng	296523	6	24.94	339098	20.0
Dinaphtho[1,2-b:1...	24.38	4.3	ng	72163	6	24.94	339098	20.0