LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022268.D
Acq On : 9 Jun 2016 14:33
Operator : UM/SJ
Sample : H3402-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-48

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	2.985	19	25	41	rVB	564409	918192	75.65%	5.796%
2	5.182	395	399	407	rVB2	9841	18307	1.51%	0.116%
3	5.664	475	481	500	rBV	175684	354004	29.17%	2.235%
4	7.280	748	756	770	rBV	208137	417845	34.43%	2.638%
5	7.650	808	819	833	rBV	236546	465992	38.40%	2.941%
6	8.120	891	899	908	rBV	118397	225054	18.54%	1.421%
7	8.443	946	954	963	rBV	183026	368439	30.36%	2.326%
8	9.289	1091	1098	1117	rBV	125169	266383	21.95%	1.681%
9	10.934	1365	1378	1385	rBV	203771	418520	34.48%	2.642%
10	12.591	1653	1660	1668	rBV5	7487	17677	1.46%	0.112%
11	12.803	1690	1696	1701	rBV2	7058	12350	1.02%	0.078%
12	13.367	1785	1792	1803	rBV	483164	823762	67.87%	5.200%
13	14.072	1906	1912	1917	rBV5	7053	13265	1.09%	0.084%
14	14.189	1926	1932	1939	rVB	46850	78698	6.48%	0.497%
15	14.748	2014	2027	2033	rBV2	329473	590732	48.67%	3.729%
16	14.812	2033	2038	2045	rVB	49030	88041	7.25%	0.556%
17	15.147	2089	2095	2100	rBV3	17381	32386	2.67%	0.204%
18	15.558	2161	2165	2171	rVB4	11571	16371	1.35%	0.103%
19	15.788	2198	2204	2214	rVB2	42540	78708	6.49%	0.497%
20	16.087	2250	2255	2261	rVB3	10322	18694	1.54%	0.118%
21	16.234	2274	2280	2289	rBV	274021	462677	38.12%	2.921%
22	16.422	2307	2312	2315	rBV5	12244	22535	1.86%	0.142%
23	16.792	2371	2375	2379	rVB6	8468	12920	1.06%	0.082%
24	17.016	2406	2413	2414	rBV5	8203	12841	1.06%	0.081%
25	17.057	2417	2420	2430	rVB6	8442	17540	1.45%	0.111%
26	17.145	2430	2435	2441	rVB2	15997	28965	2.39%	0.183%
27	17.215	2441	2447	2452	rBV5	23126	42398	3.49%	0.268%
28	17.309	2459	2463	2471	rVB2	23165	42292	3.48%	0.267%
29	17.491	2487	2494	2497	rBV	373971	589734	48.59%	3.723%
30	17.533	2497	2501	2508	rVV	445542	740273	61.00%	4.673%
31	17.627	2511	2517	2523	rVB	98344	170510	14.05%	1.076%
32	17.897	2556	2563	2568	rBV2	35758	73762	6.08%	0.466%
33	17.997	2577	2580	2585	rBV3	9219	15947	1.31%	0.101%
34	18.067	2588	2592	2597	rBV5	8803	17219	1.42%	0.109%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022268.D
Acq On : 9 Jun 2016 14:33
Operator : UM/SJ
Sample : H3402-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-48

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	18.367	2637	2643	2646	rBV	51443	83988	6.92%	0.530%
36	18.414	2646	2651	2658	rVB	71652	118781	9.79%	0.750%
37	18.490	2660	2664	2669	rBV2	26844	43445	3.58%	0.274%
38	18.561	2669	2676	2680	rBV4	93272	202335	16.67%	1.277%
39	18.855	2722	2726	2731	rBV2	40434	64022	5.28%	0.404%
40	18.902	2731	2734	2741	rVB3	24054	40835	3.36%	0.258%
41	19.095	2761	2767	2772	rBV4	23765	46007	3.79%	0.290%
42	19.148	2773	2776	2779	rBV2	14017	16139	1.33%	0.102%
43	19.266	2791	2796	2801	rBV2	43350	87495	7.21%	0.552%
44	19.419	2817	2822	2826	rBV4	34995	58563	4.83%	0.370%
45	19.536	2835	2842	2847	rBV	800652	1205885	99.36%	7.612%
46	19.630	2855	2858	2862	rVB2	21179	28328	2.33%	0.179%
47	19.900	2893	2904	2910	rBV	656288	1213661	100.00%	7.661%
48	19.965	2911	2915	2921	rVB2	34640	60709	5.00%	0.383%
49	20.083	2929	2935	2941	rBV	594036	881065	72.60%	5.561%
50	20.218	2952	2958	2965	rBV4	49693	121570	10.02%	0.767%
51	20.388	2975	2987	2994	rBV	93521	241088	19.86%	1.522%
52	20.482	2999	3003	3007	rBV	76051	117668	9.70%	0.743%
53	20.682	3034	3037	3040	rBV2	30502	35500	2.93%	0.224%
54	21.152	3114	3117	3126	rVB	48236	76750	6.32%	0.484%
55	21.381	3153	3156	3160	rVB	51930	79151	6.52%	0.500%
56	21.434	3161	3165	3171	rBV3	45578	83634	6.89%	0.528%
57	21.757	3213	3220	3226	rBV4	448178	1186181	97.74%	7.487%
58	21.816	3226	3230	3241	rVB	267801	521227	42.95%	3.290%
59	21.969	3253	3256	3263	rVB	46002	80837	6.66%	0.510%
60	24.025	3597	3606	3614	rBV2	175921	692485	57.06%	4.371%
61	24.765	3727	3732	3746	rVB2	95835	278213	22.92%	1.756%
62	24.918	3749	3758	3771	rVB2	130946	436625	35.98%	2.756%
63	25.065	3778	3783	3793	rVB2	104935	267083	22.01%	1.686%

Sum of corrected areas: 15842303

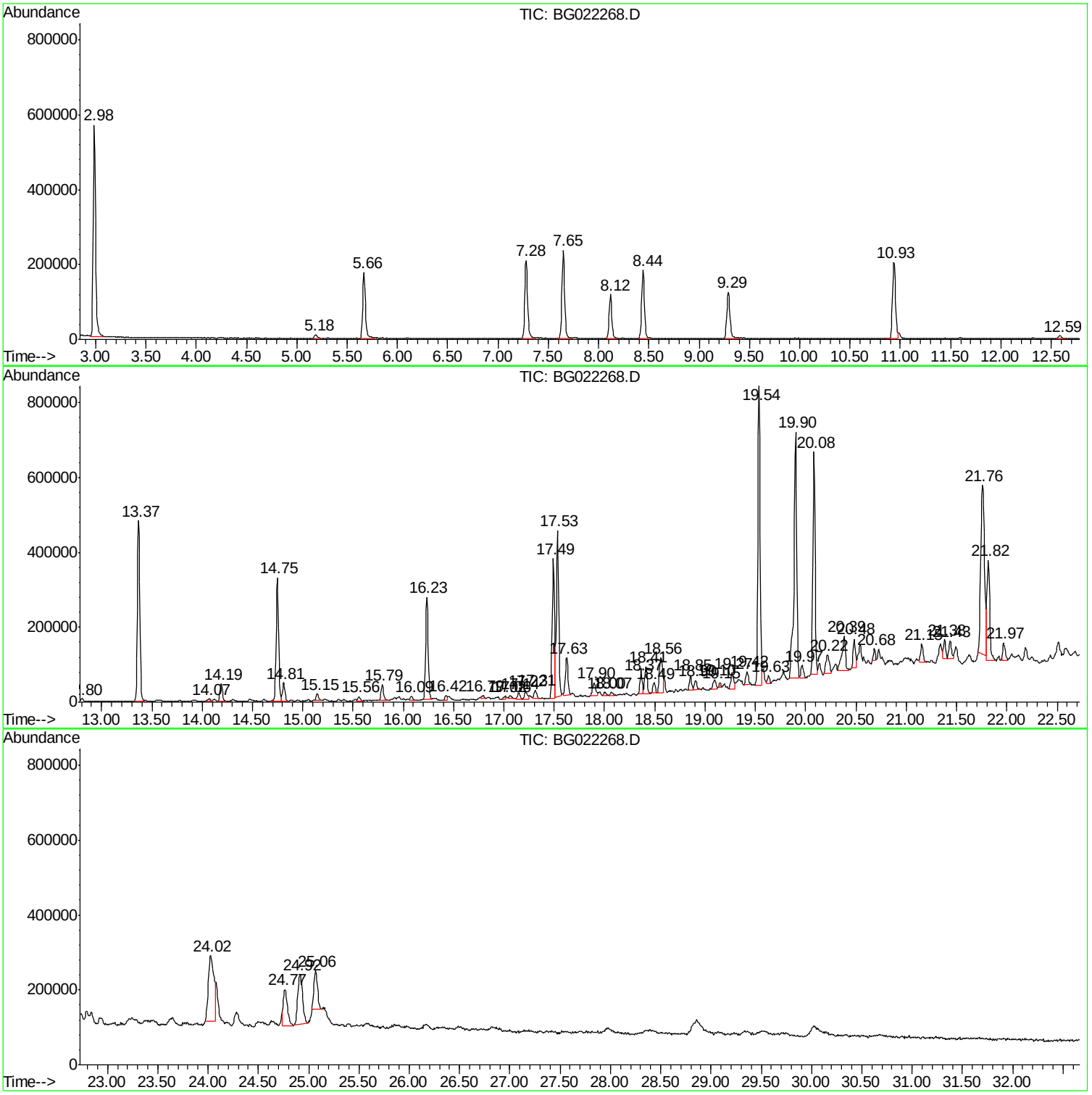
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022268.D
Acq On : 9 Jun 2016 14:33
Operator : UM/SJ
Sample : H3402-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-48

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\BG060916\
Data File : BG022268.D
Acq On : 9 Jun 2016 14:33
Operator : UM/SJ
Sample : H3402-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-48

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

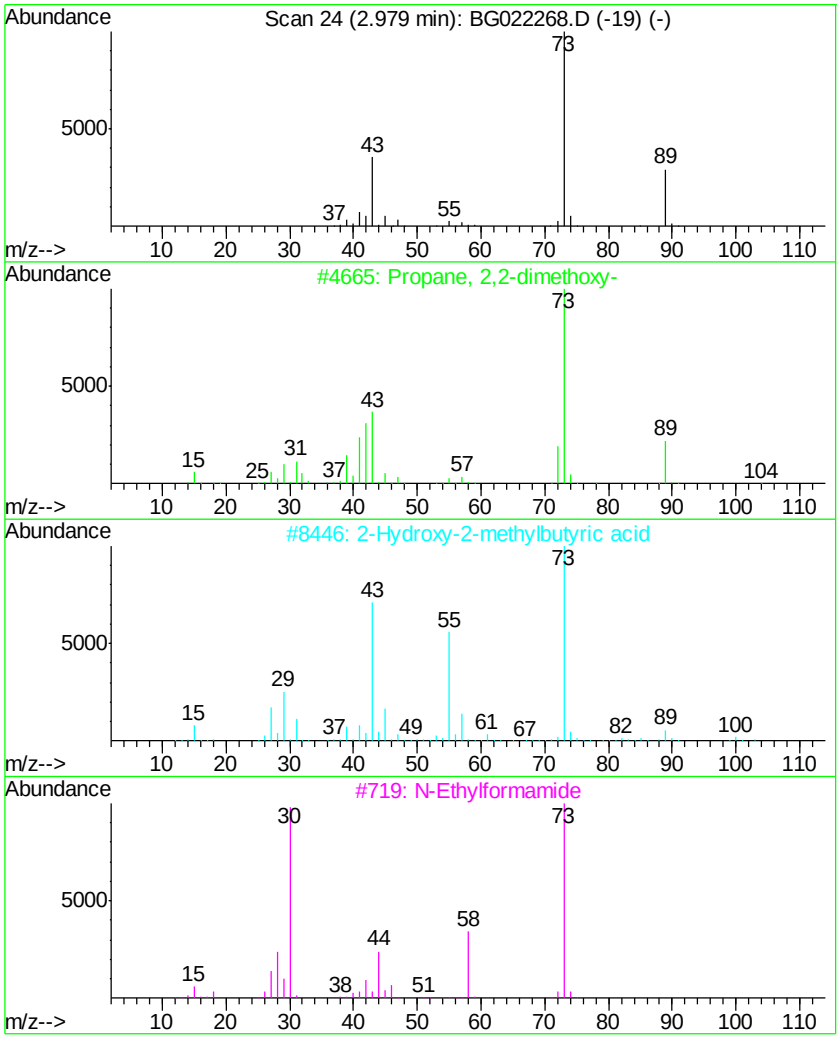
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

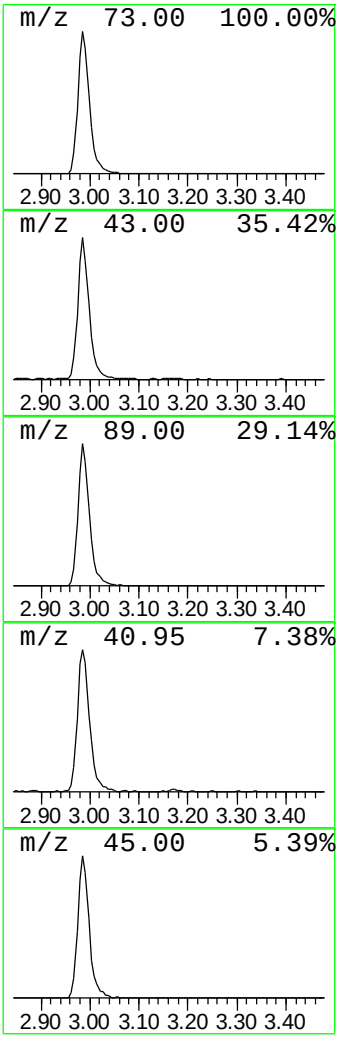
****

Peak Number 1 unknown2.98 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	81.60 ng	918192	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	45
2	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
3	N-Ethylformamide	73	C3H7NO	000627-45-2	7
4	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	7
5	1,3,5-Trioxane	90	C3H6O3	000110-88-3	4





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022268.D
Acq On : 9 Jun 2016 14:33
Operator : UM/SJ
Sample : H3402-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-48

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

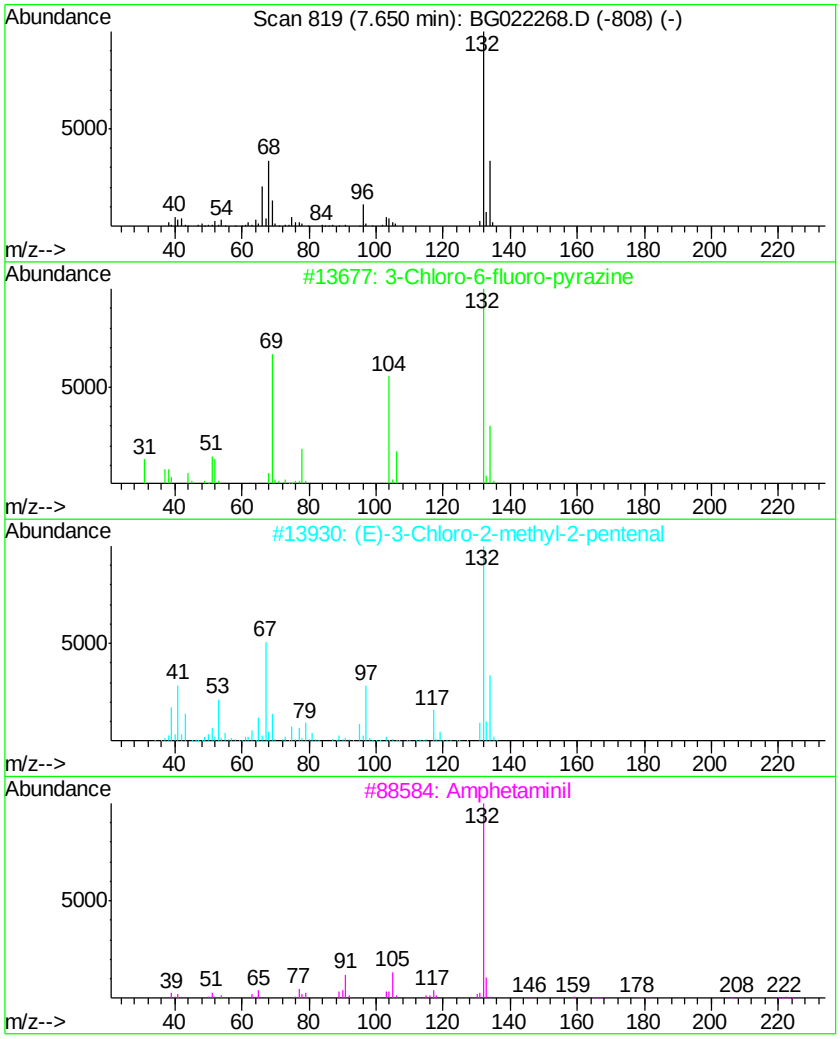
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

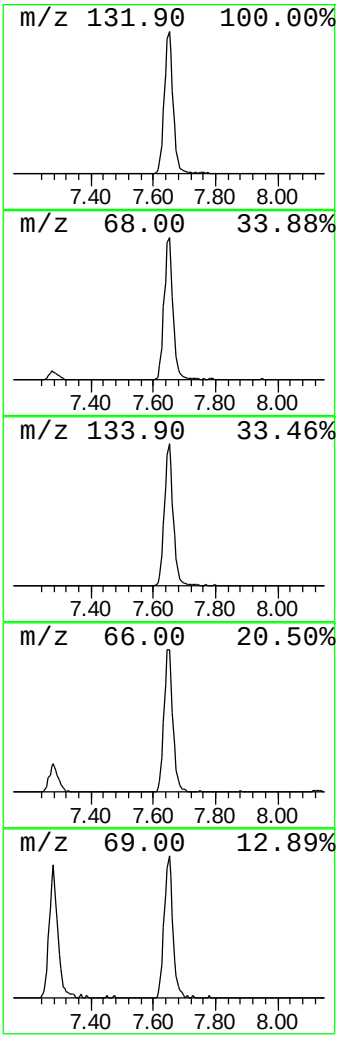
****

Peak Number 2 unknown7.65 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	41.41 ng	465992	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022268.D
Acq On : 9 Jun 2016 14:33
Operator : UM/SJ
Sample : H3402-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-48

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

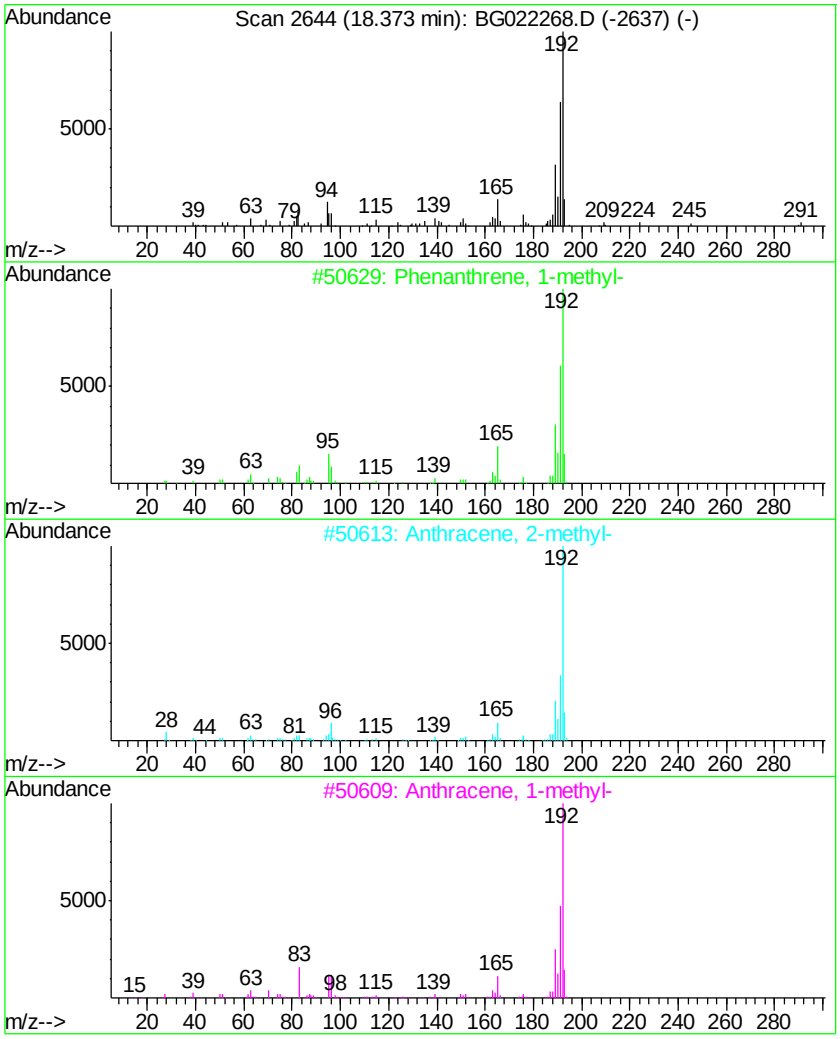
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

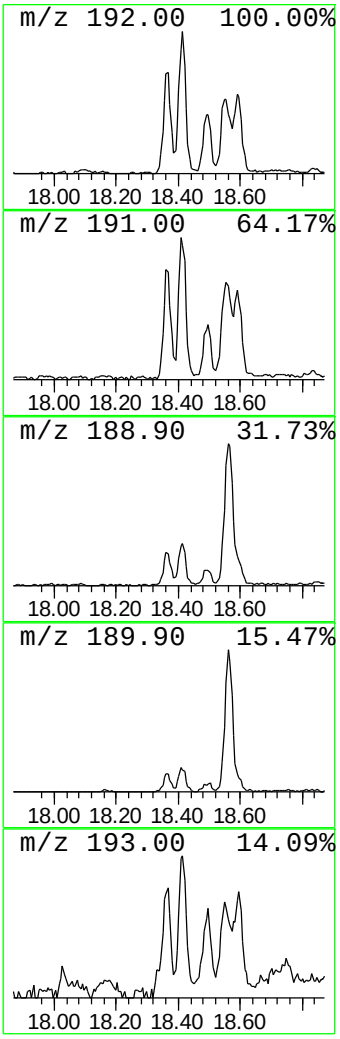
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	2.85 ng	83988	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022268.D
Acq On : 9 Jun 2016 14:33
Operator : UM/SJ
Sample : H3402-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-48

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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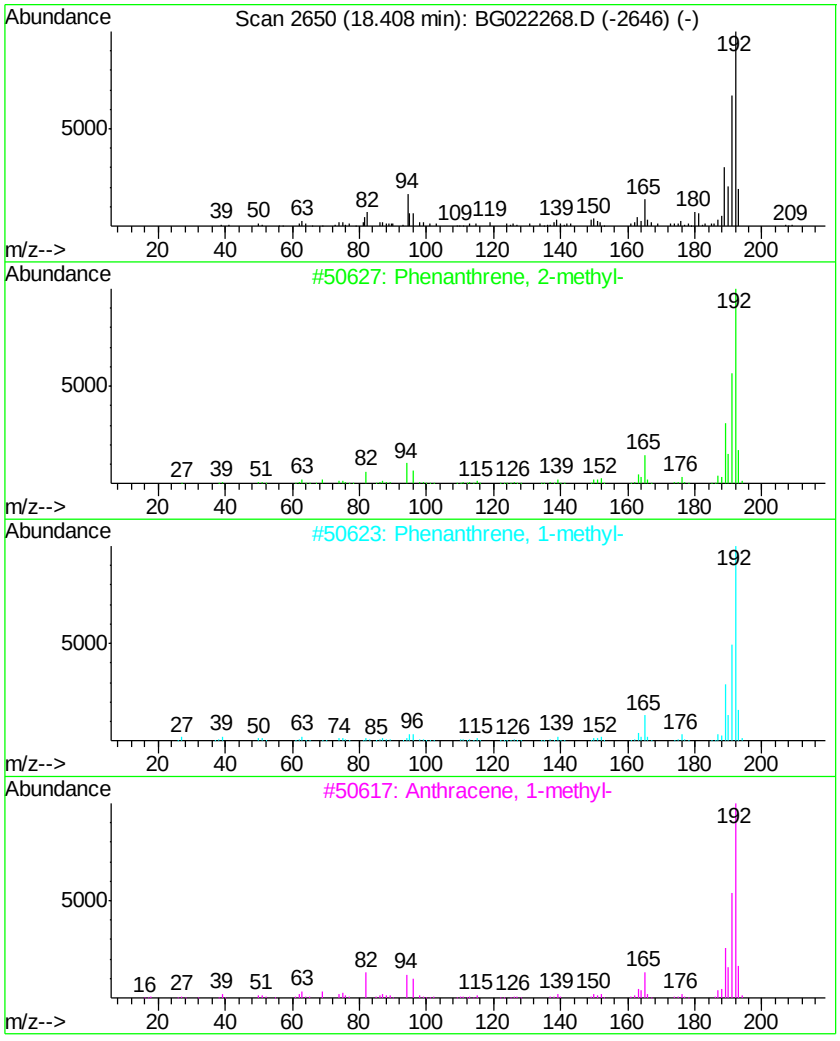
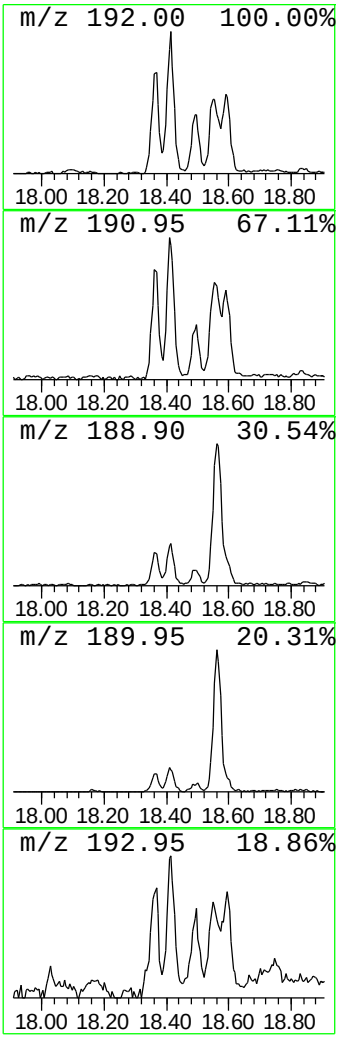
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	4.03 ng	118781	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022268.D
Acq On : 9 Jun 2016 14:33
Operator : UM/SJ
Sample : H3402-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-48

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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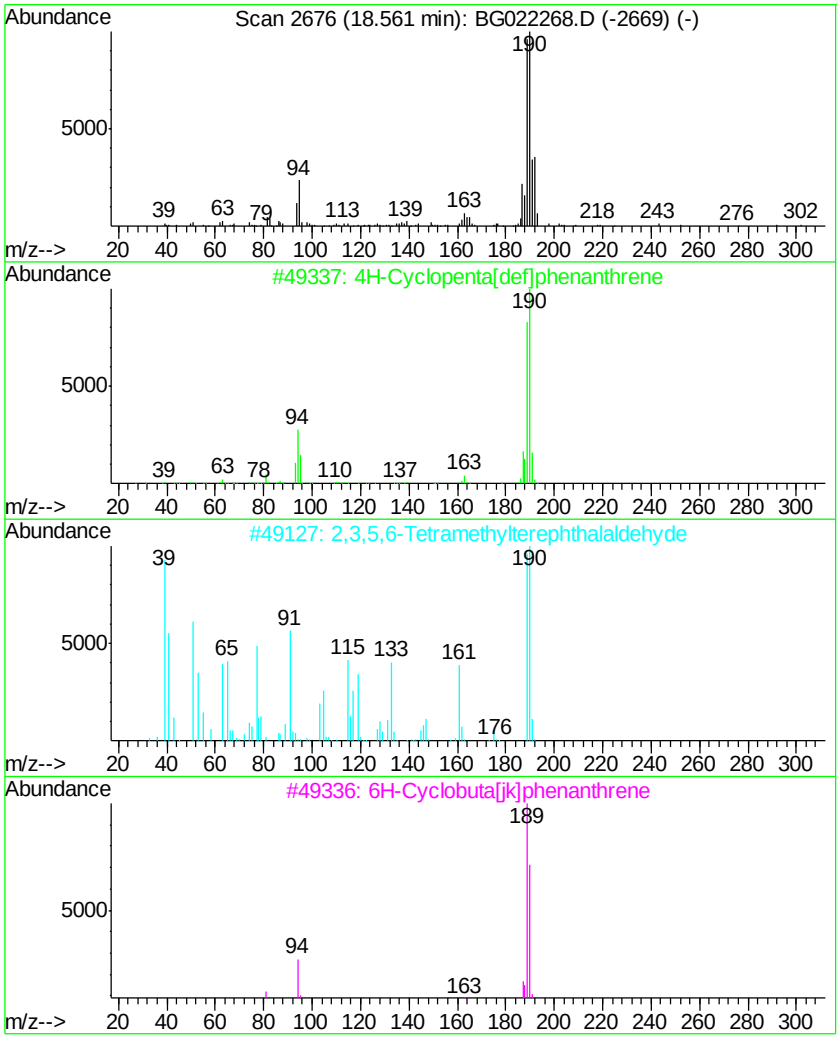
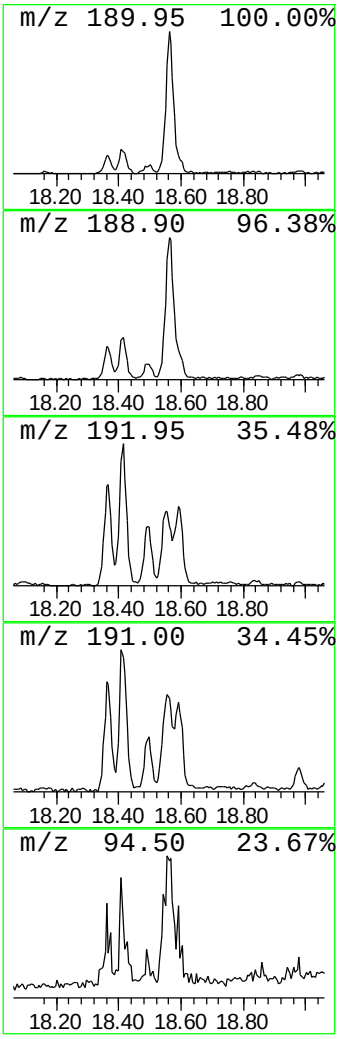
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	6.86 ng	202335	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	6-Bromo-9-phenanthrene diazometh...	324	C16H9BrN2O	1000254-49-2	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022268.D
Acq On : 9 Jun 2016 14:33
Operator : UM/SJ
Sample : H3402-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-48

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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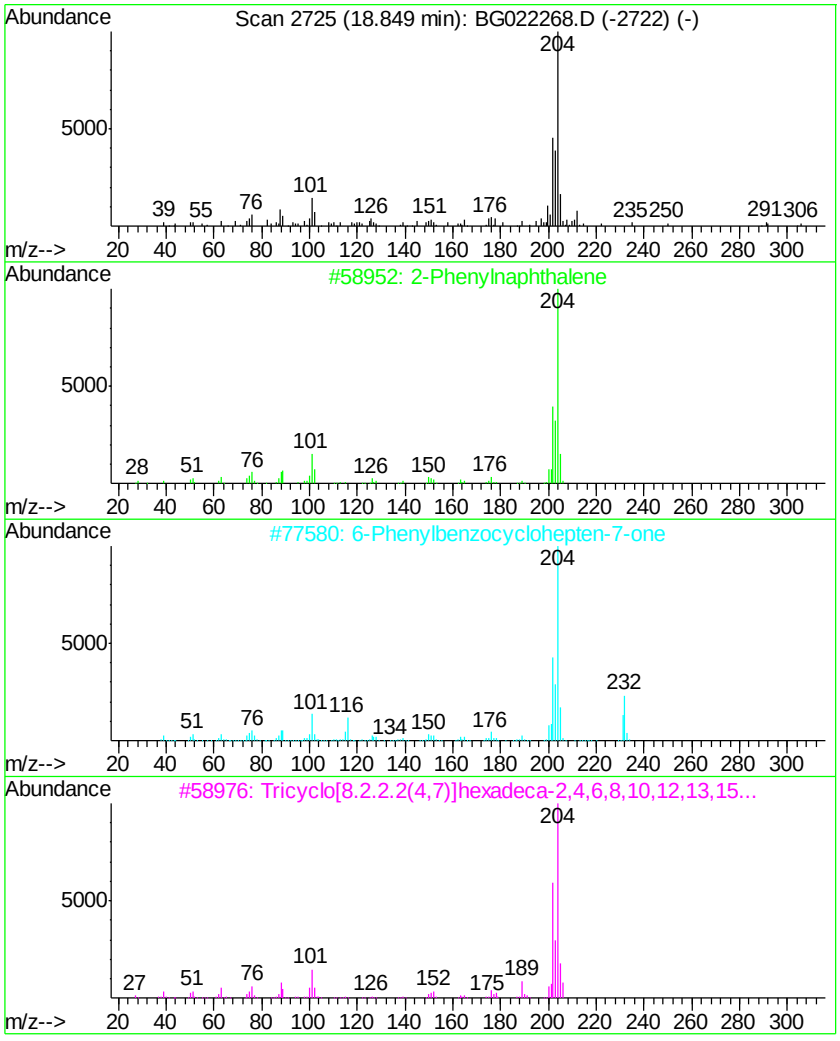
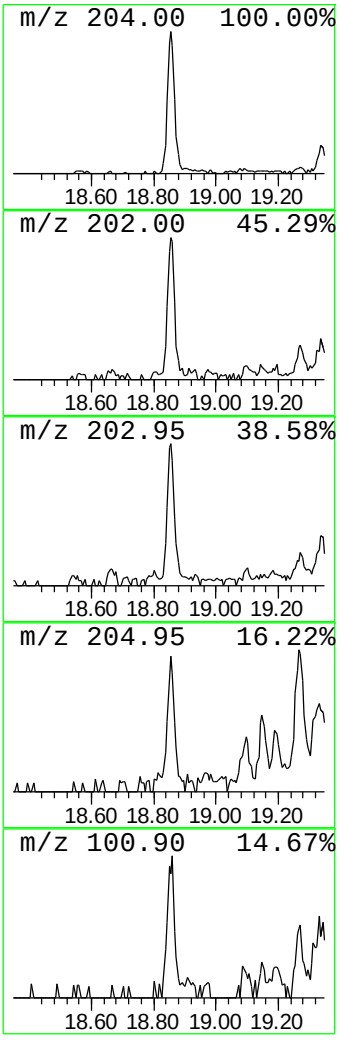
Peak Number 7 2-Phenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.17 ng	64022	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022268.D
Acq On : 9 Jun 2016 14:33
Operator : UM/SJ
Sample : H3402-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-48

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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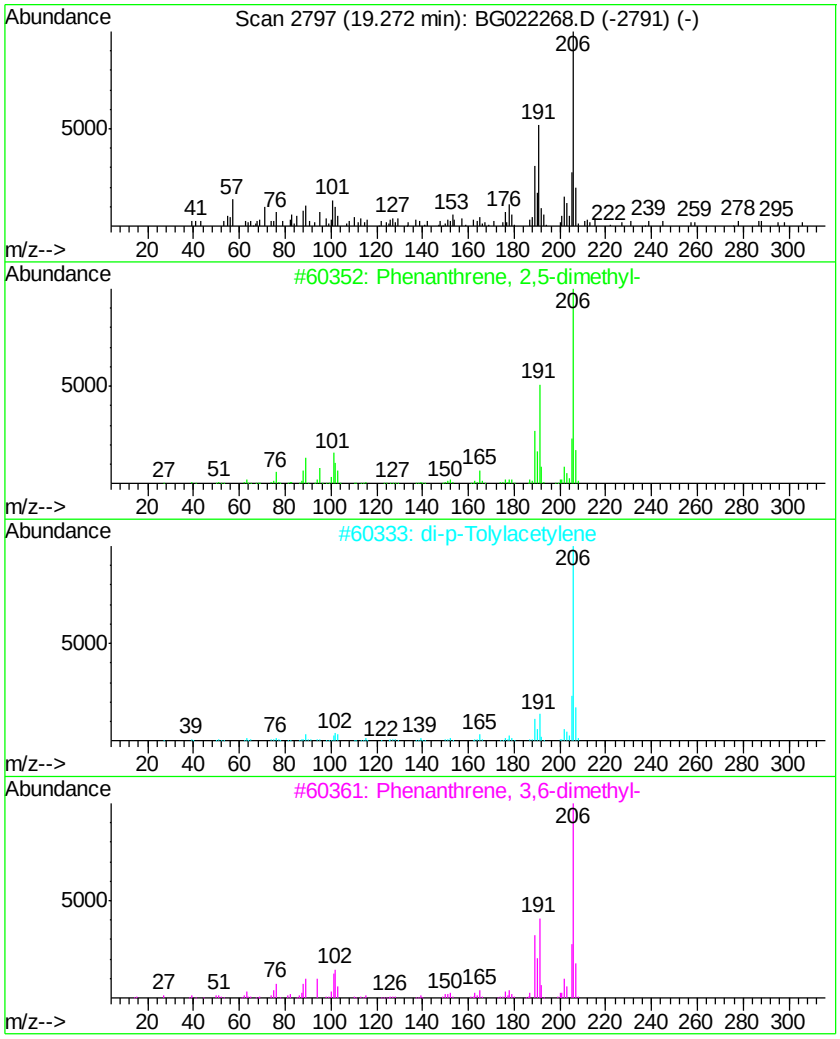
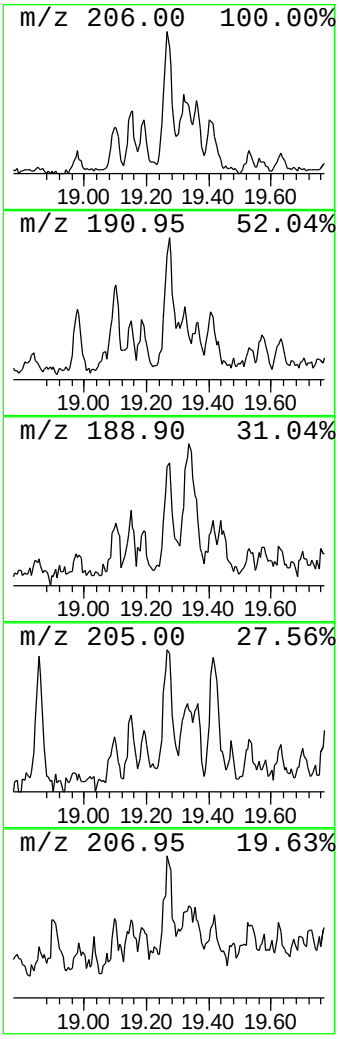
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	2.97 ng	87495	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022268.D
Acq On : 9 Jun 2016 14:33
Operator : UM/SJ
Sample : H3402-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-48

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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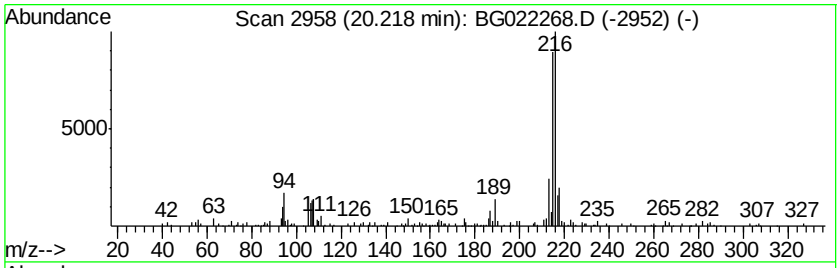
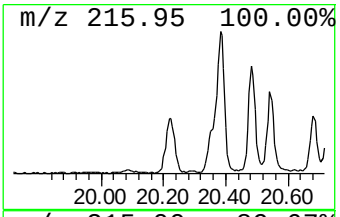
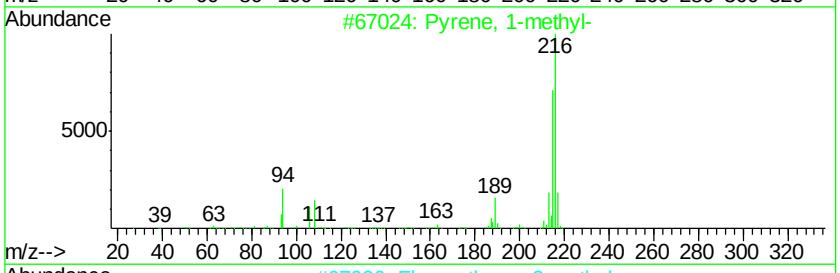
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 11

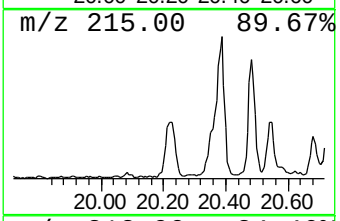
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	2.05 ng	121570	Chrysene-d12	21.77

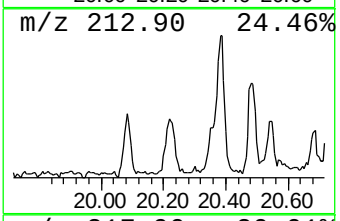
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	.beta.-Carboline, 1,2,3,4-tetrah...	260	C14H16N2O3	029573-11-3	64

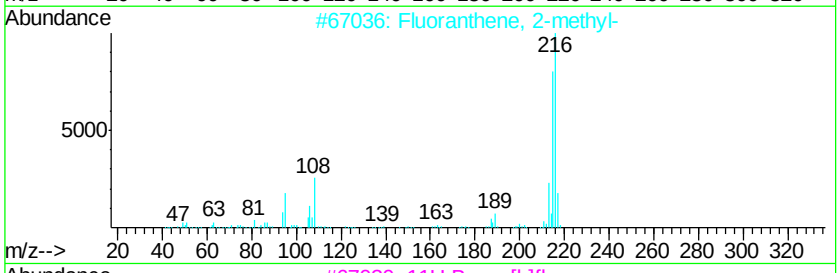


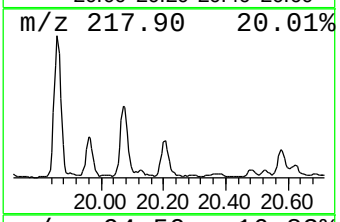


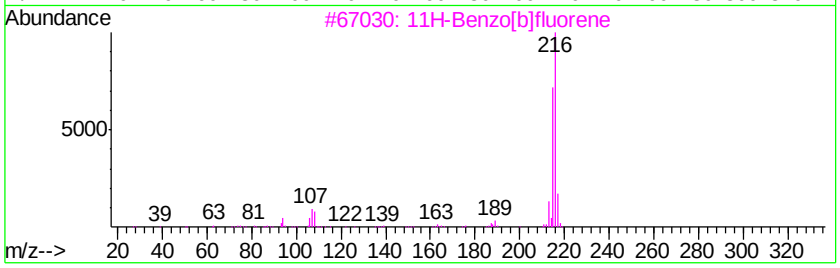


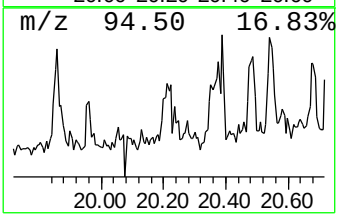












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Data File : BG022268.D
Acq On : 9 Jun 2016 14:33
Operator : UM/SJ
Sample : H3402-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-48

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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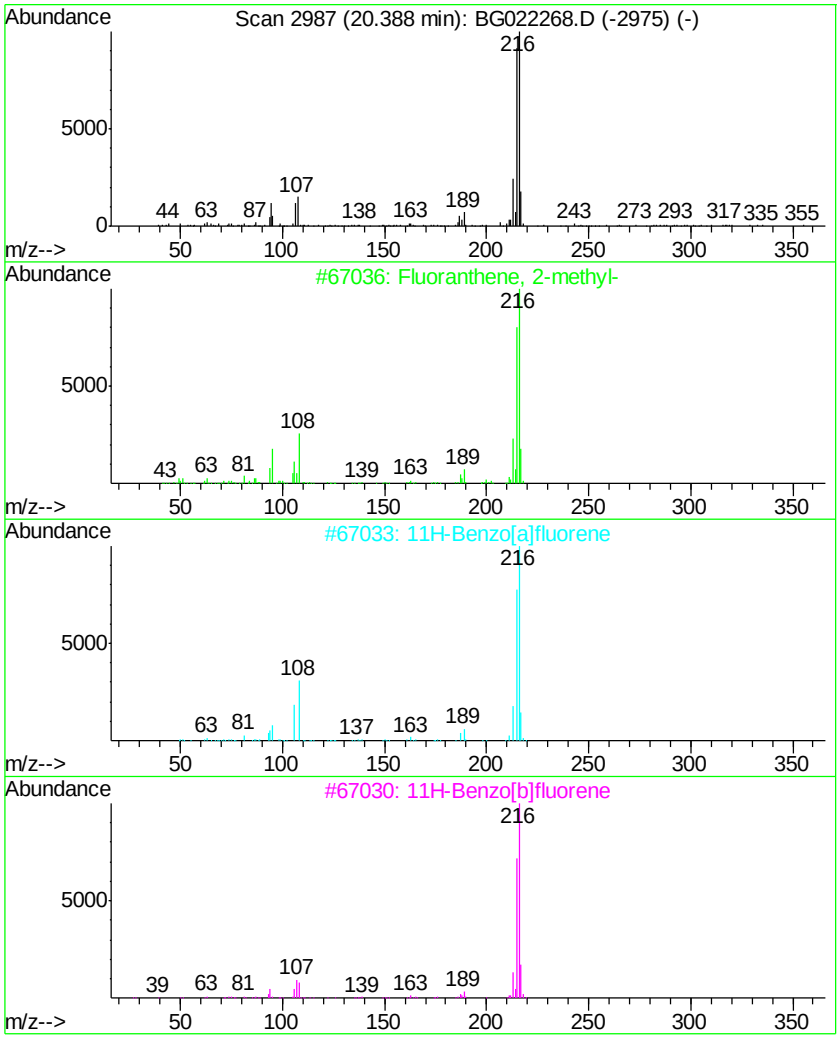
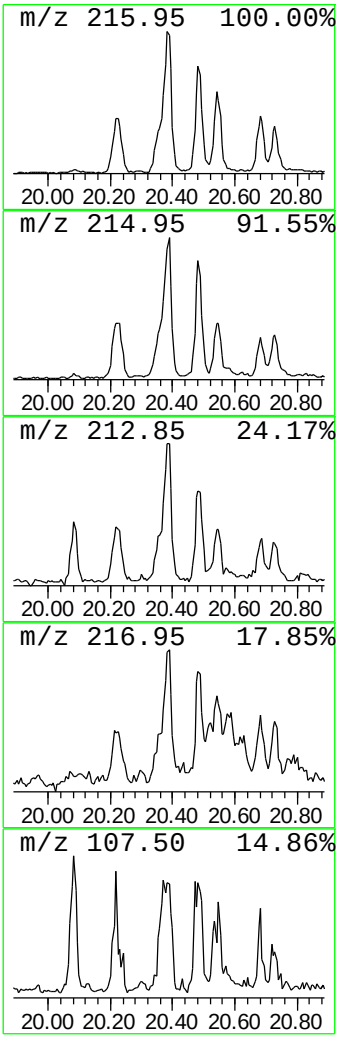
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	4.06 ng	241088	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022268.D
Acq On : 9 Jun 2016 14:33
Operator : UM/SJ
Sample : H3402-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-48

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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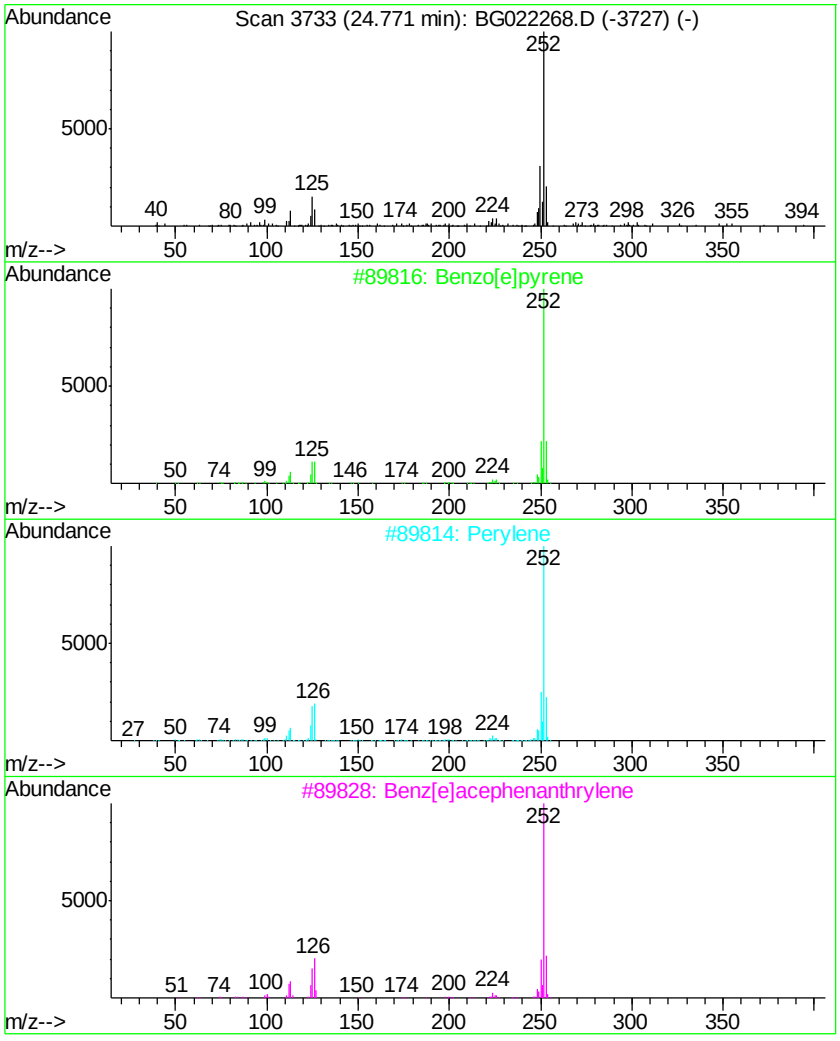
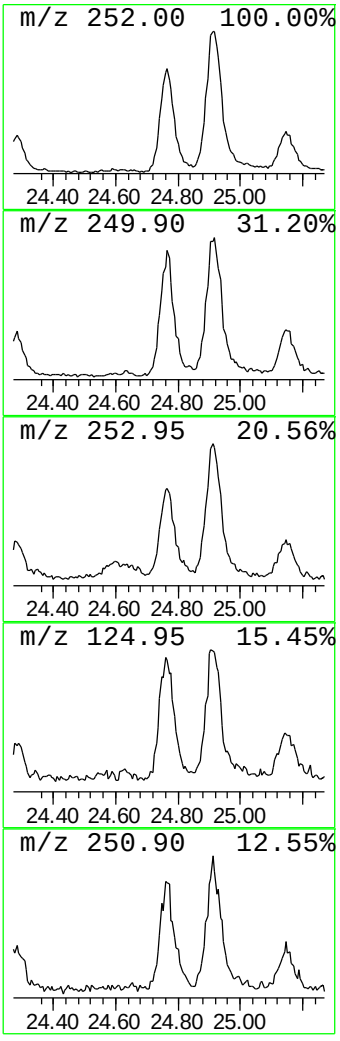
Peak Number 11 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.77	20.83 ng	278213	Perylene-d12	25.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060916\
Data File : BG022268.D
Acq On : 9 Jun 2016 14:33
Operator : UM/SJ
Sample : H3402-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-48

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown2.98	2.98	81.6	ng	918192	1	8.12	225054	20.0
unknown7.65	7.65	41.4	ng	465992	1	8.12	225054	20.0
Phenanthrene, 1-m...	18.37	2.9	ng	83988	4	17.49	589734	20.0
Phenanthrene, 2-m...	18.41	4.0	ng	118781	4	17.49	589734	20.0
4H-Cyclopenta[def...	18.56	6.9	ng	202335	4	17.49	589734	20.0
2-Phenylnaphthalene	18.85	2.2	ng	64022	4	17.49	589734	20.0
Phenanthrene, 2,5...	19.27	3.0	ng	87495	4	17.49	589734	20.0
Pyrene, 1-methyl-	20.22	2.0	ng	121570	5	21.77	1186180	20.0
Fluoranthene, 2-m...	20.39	4.1	ng	241088	5	21.77	1186180	20.0
Benzo[e]pyrene	24.77	20.8	ng	278213	6	25.06	267083	20.0