LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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	2.984	19	25	42	rVB	859931	1397123	94.41%	6.593%
2	5.193	394	401	409	rVB2	14844	30545	2.06%	0.144%
3	5.669	474	482	501	rBV	275196	538125	36.36%	2.539%
4	7.279	747	756	772	rBV	317949	626277	42.32%	2.955%
5	7.649	811	819	833	rBV	346863	681316	46.04%	3.215%
6	8.119	891	899	909	rBV	124070	241963	16.35%	1.142%
7	8.442	946	954	969	rBV	279249	540473	36.52%	2.551%
8	9.288	1090	1098	1113	rBV	188874	393912	26.62%	1.859%
9	10.939	1372	1379	1385	rVV	216103	440138	29.74%	2.077%
10	10.986	1385	1387	1396	rVB	23333	36442	2.46%	0.172%
11	12.320	1607	1614	1620	rBV3	11812	22005	1.49%	0.104%
12	12.590	1653	1660	1666	rVB4	10826	20496	1.38%	0.097%
13	12.796	1690	1695	1702	rVB2	9529	19013	1.28%	0.090%
14	13.366	1785	1792	1807	rBV	668303	1170282	79.08%	5.523%
15	13.548	1816	1823	1828	rBV2	20470	33720	2.28%	0.159%
16	13.918	1879	1886	1893	rVB7	8094	19947	1.35%	0.094%
17	14.071	1906	1912	1917	rBV3	11668	21265	1.44%	0.100%
18	14.188	1925	1932	1939	rBV	68115	117319	7.93%	0.554%
19	14.476	1975	1981	1986	rBV3	9696	19426	1.31%	0.092%
20	14.611	2000	2004	2009	rBV	27648	40815	2.76%	0.193%
21	14.746	2020	2027	2033	rBV3	333282	582825	39.38%	2.750%
22	14.811	2033	2038	2045	rVB	66958	118228	7.99%	0.558%
23	15.058	2072	2080	2083	rBV7	8848	18273	1.23%	0.086%
24	15.146	2086	2095	2103	rVV	32686	72185	4.88%	0.341%
25	15.216	2103	2107	2116	rVB9	10464	23682	1.60%	0.112%
26	15.534	2153	2161	2162	rBV4	7716	16005	1.08%	0.076%
27	15.563	2162	2166	2171	rVB	39254	55268	3.73%	0.261%
28	15.792	2199	2205	2215	rVB	63136	113190	7.65%	0.534%
29	15.915	2215	2226	2229	rBV4	11170	29202	1.97%	0.138%
30	15.957	2229	2233	2239	rVB6	16293	30186	2.04%	0.142%
31	16.080	2251	2254	2264	rVB	15225	28638	1.94%	0.135%
32	16.233	2274	2280	2292	rBV	367565	660925	44.66%	3.119%
33	16.421	2307	2312	2315	rBV	38644	62909	4.25%	0.297%
34	16.791	2364	2375	2379	rBV7	20330	60797	4.11%	0.287%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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	16.932	2396	2399	2405	rVB6	10210	19541	1.32%	0.092%
36	17.014	2405	2413	2416	rBV6	11870	28895	1.95%	0.136%
37	17.055	2418	2420	2429	rVB9	10608	19812	1.34%	0.093%
38	17.149	2431	2436	2442	rVB	22493	35408	2.39%	0.167%
39	17.214	2442	2447	2452	rBV3	43962	75001	5.07%	0.354%
40	17.314	2460	2464	2470	rVB	32124	56130	3.79%	0.265%
41	17.496	2487	2495	2498	rBV	335635	626007	42.30%	2.954%
42	17.537	2498	2502	2509	rVV	634842	1008038	68.12%	4.757%
43	17.625	2510	2517	2523	rVV	142713	260474	17.60%	1.229%
44	17.684	2525	2527	2532	rVB3	17467	22762	1.54%	0.107%
45	17.895	2556	2563	2569	rBV2	51179	104168	7.04%	0.492%
46	17.948	2569	2572	2577	rVB	27243	39687	2.68%	0.187%
47	18.007	2577	2582	2587	rBV3	14966	23584	1.59%	0.111%
48	18.072	2590	2593	2601	rVB4	14565	27813	1.88%	0.131%
49	18.366	2637	2643	2647	rBV	81374	133992	9.05%	0.632%
50	18.413	2647	2651	2658	rVB	104270	168935	11.42%	0.797%
51	18.495	2660	2665	2669	rVB	45142	64434	4.35%	0.304%
52	18.559	2669	2676	2681	rBV3	126478	290868	19.65%	1.373%
53	18.859	2722	2727	2731	rBV	56449	95522	6.45%	0.451%
54	18.906	2731	2735	2742	rVV	38632	71692	4.84%	0.338%
55	18.977	2745	2747	2754	rVB6	10721	16793	1.13%	0.079%
56	19.094	2764	2767	2772	rVB2	23466	35093	2.37%	0.166%
57	19.153	2773	2777	2780	rVV	17930	22006	1.49%	0.104%
58	19.194	2780	2784	2787	rBV3	14637	19586	1.32%	0.092%
59	19.270	2792	2797	2803	rBV2	54277	110164	7.44%	0.520%
60	19.417	2817	2822	2830	rVB4	46316	90385	6.11%	0.427%
61	19.535	2836	2842	2848	rBV	904799	1479877	100.00%	6.984%
62	19.629	2855	2858	2863	rVB3	21866	30372	2.05%	0.143%
63	19.899	2899	2904	2911	rVB	861154	1333549	90.11%	6.293%
64	19.964	2912	2915	2923	rVB	47066	68101	4.60%	0.321%
65	20.087	2930	2936	2941	rBV	868317	1240108	83.80%	5.852%
66	20.140	2942	2945	2950	rVB	45998	70115	4.74%	0.331%
67	20.222	2953	2959	2964	rVB3	59930	131671	8.90%	0.621%
68	20.387	2984	2987	2991	rVB	114517	166535	11.25%	0.786%
69	20.487	2999	3004	3008	rBV	97101	155450	10.50%	0.734%
70	20.545	3010	3014	3018	rVB2	62109	101015	6.83%	0.477%
71	20.686	3034	3038	3041	rBV	52076	78553	5.31%	0.371%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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	20.727	3042	3045	3049	rVB	42638	56131	3.79%	0.265%
73	21.156	3113	3118	3124	rVB2	60690	106940	7.23%	0.505%
74	21.339	3146	3149	3152	rBV2	41073	57481	3.88%	0.271%
75	21.380	3154	3156	3161	rVB	67015	86470	5.84%	0.408%
76	21.438	3162	3166	3171	rVB3	49627	80705	5.45%	0.381%
77	21.762	3213	3221	3227	rBV3	516190	1428844	96.55%	6.743%
78	21.814	3227	3230	3244	rVB	340465	626795	42.35%	2.958%
79	21.973	3253	3257	3265	rVB	65129	118751	8.02%	0.560%
80	24.024	3598	3606	3614	rBV2	217673	804944	54.39%	3.799%
81	24.770	3725	3733	3747	rVB2	118415	400872	27.09%	1.892%
82	24.917	3750	3758	3773	rVV3	157063	527391	35.64%	2.489%
83	25.069	3778	3784	3793	rBV2	98752	289955	19.59%	1.368%

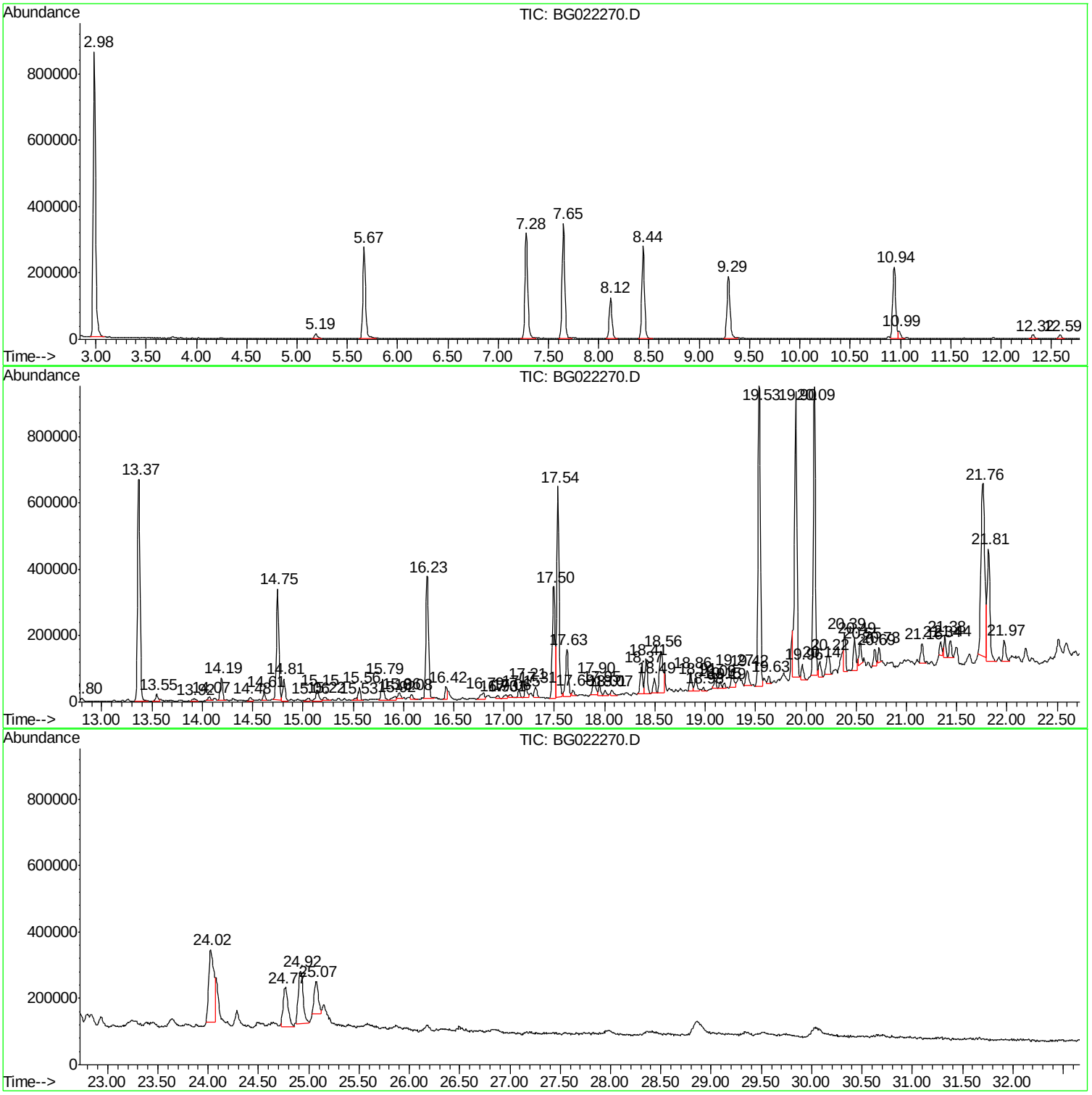
Sum of corrected areas: 21190330

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SS-47

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 : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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

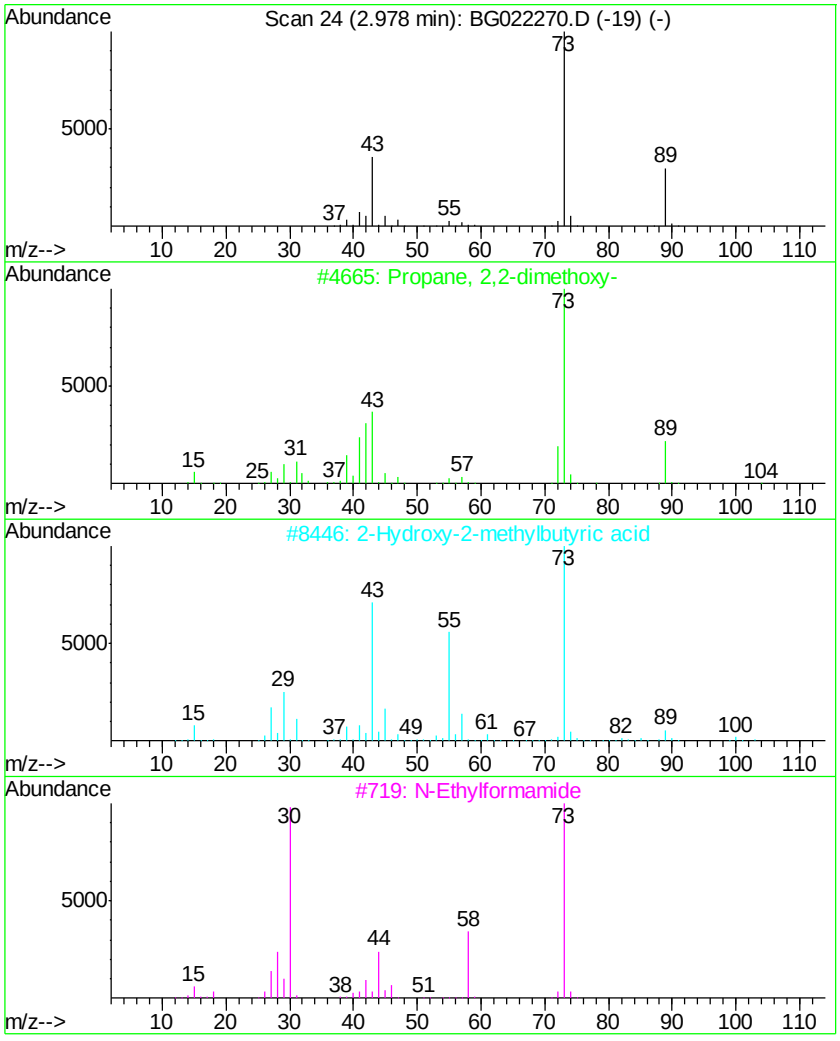
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

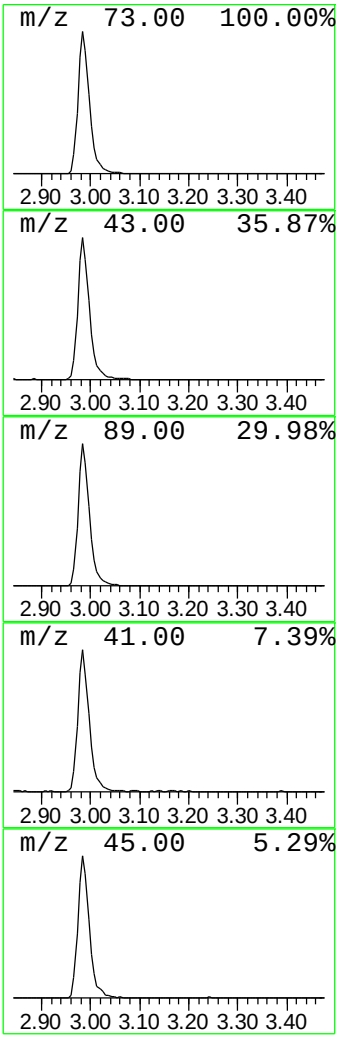
****

Peak Number 1 unknown2.98 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	115.48 ng	1397120	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 : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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

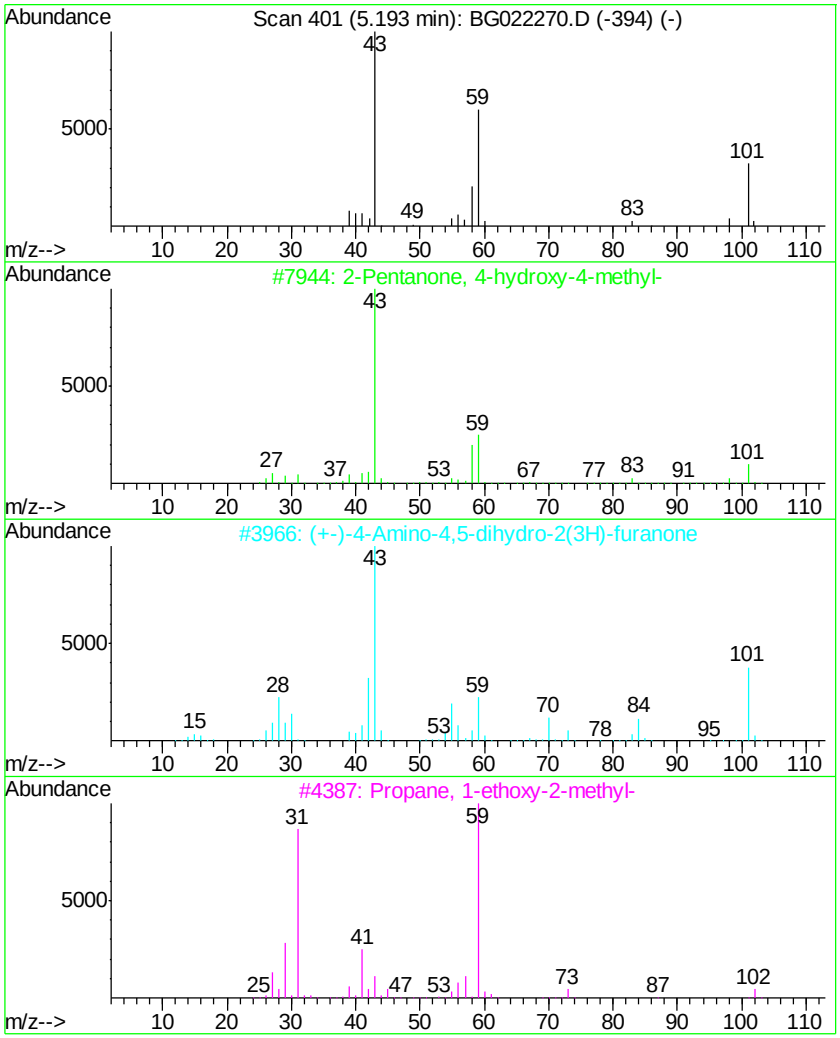
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

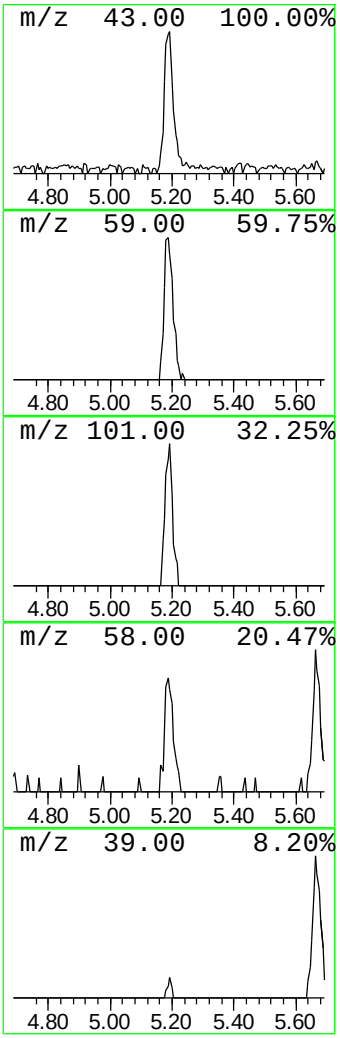
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	2.52 ng	30545	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	38
3	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	27
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	23
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	17





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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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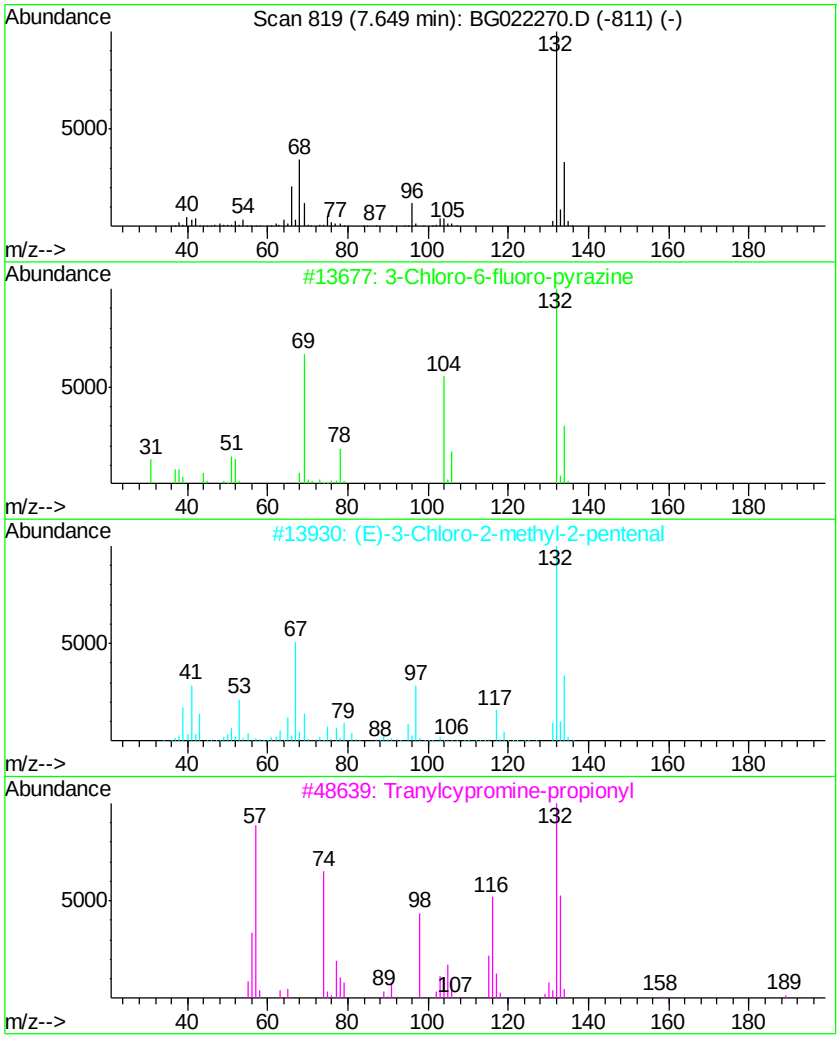
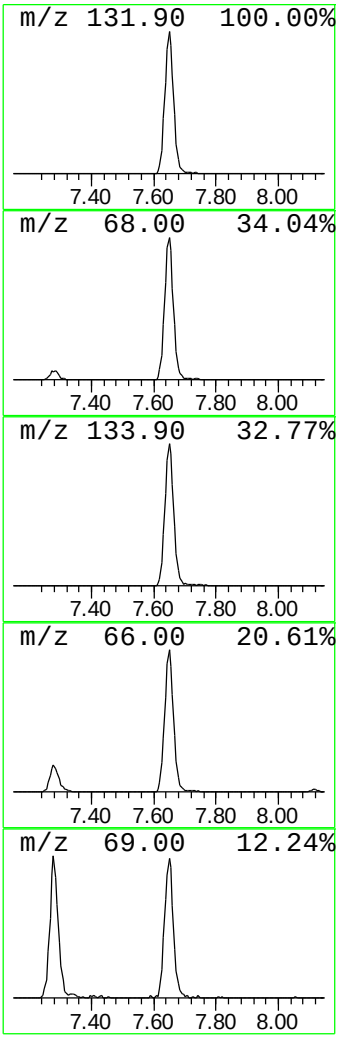
Peak Number 3 unknown7.65 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	56.32 ng	681316	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	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
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Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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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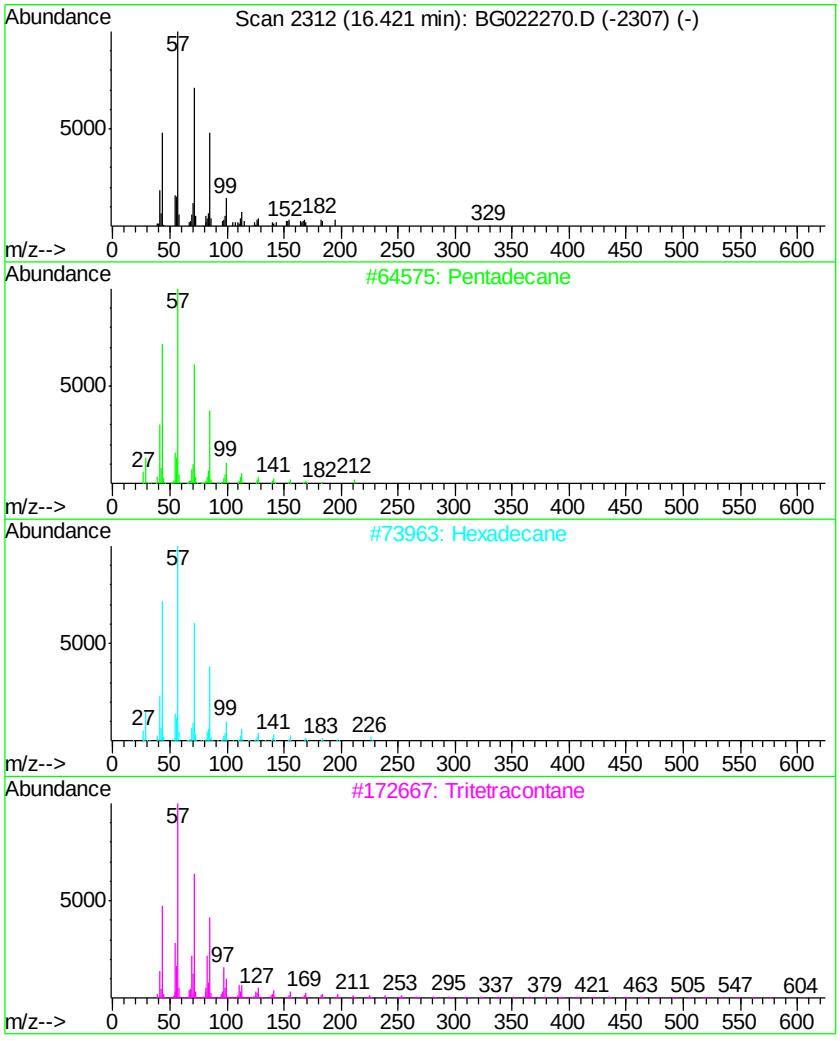
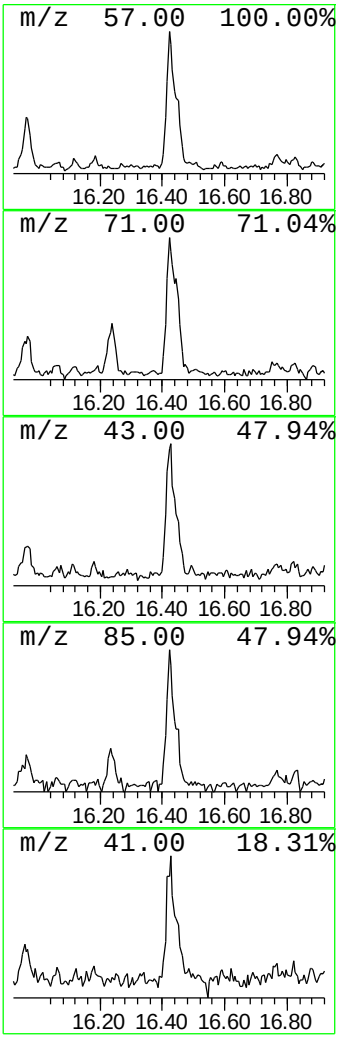
Peak Number 6 Pentadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	2.01 ng	62909	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	91
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tritetracontane	605	C43H88	007098-21-7	90
4	Eicosane	282	C20H42	000112-95-8	90
5	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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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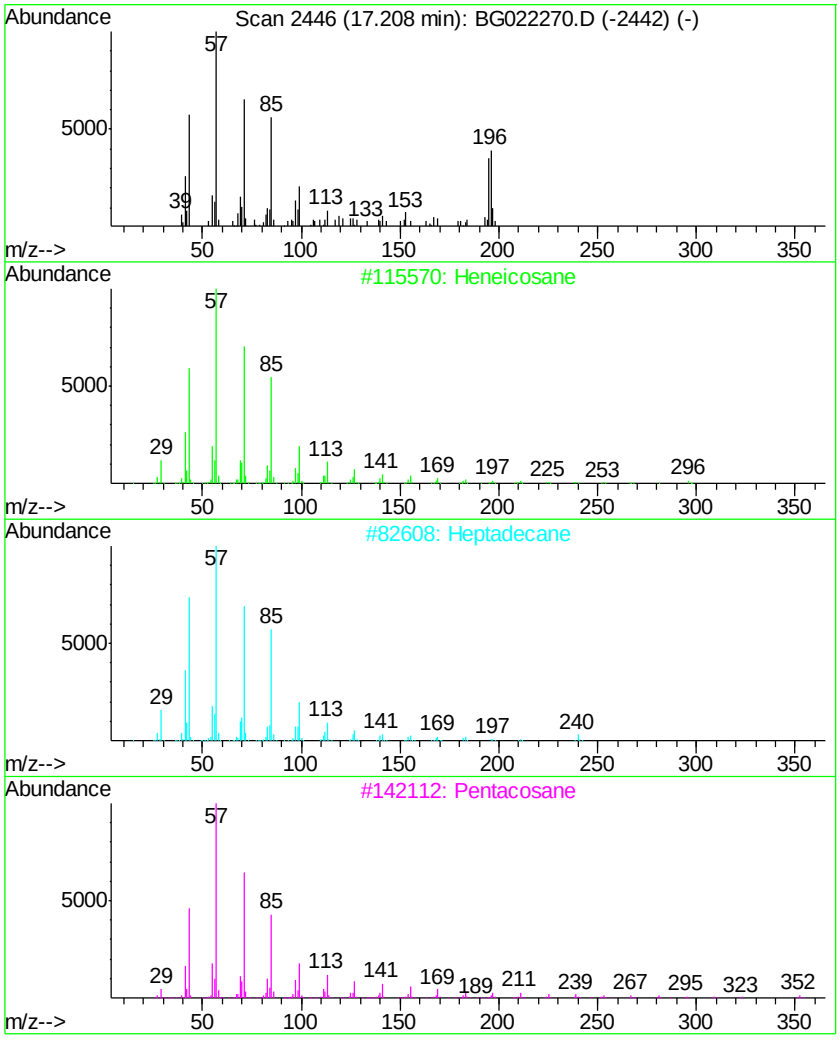
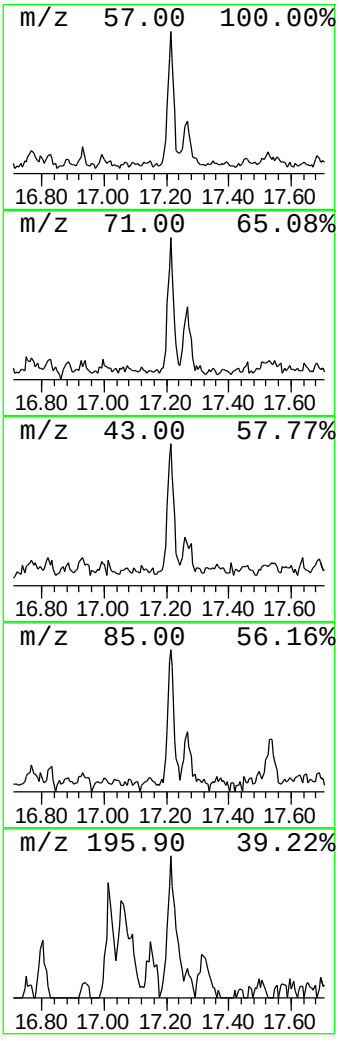
Peak Number 7 Heneicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	2.40 ng	75001	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	49
2	Heptadecane	240	C17H36	000629-78-7	49
3	Pentacosane	352	C25H52	000629-99-2	49
4	Eicosane	282	C20H42	000112-95-8	43
5	Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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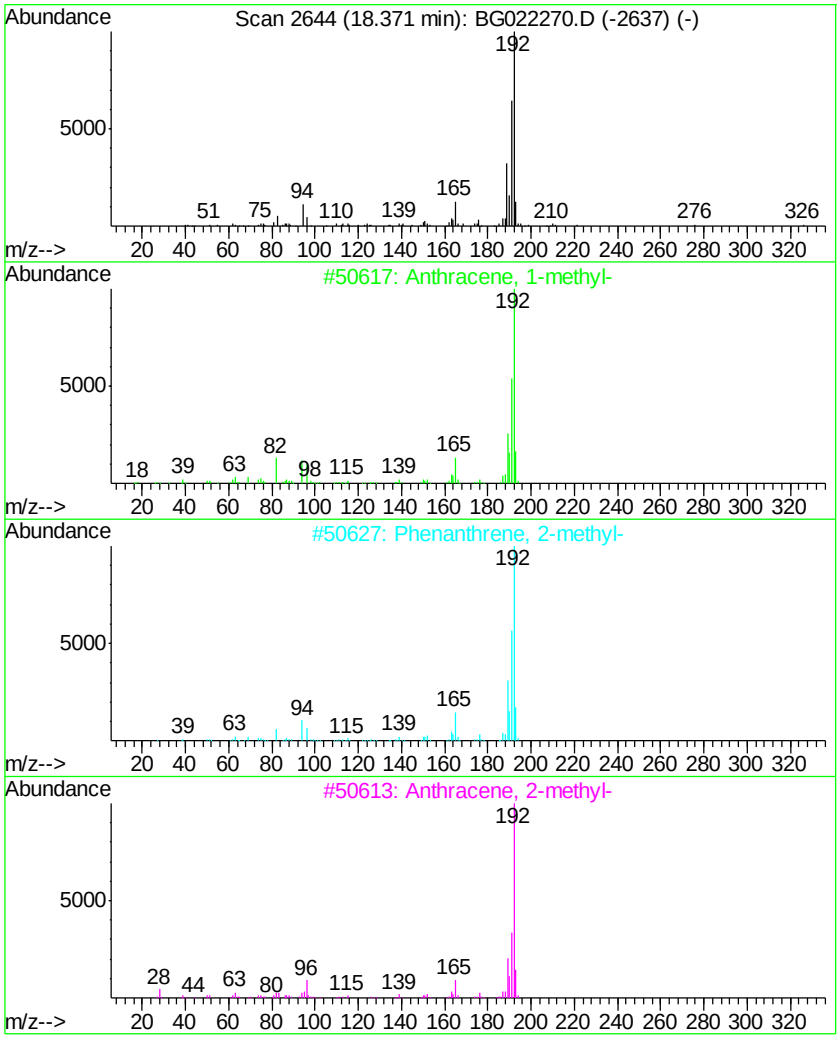
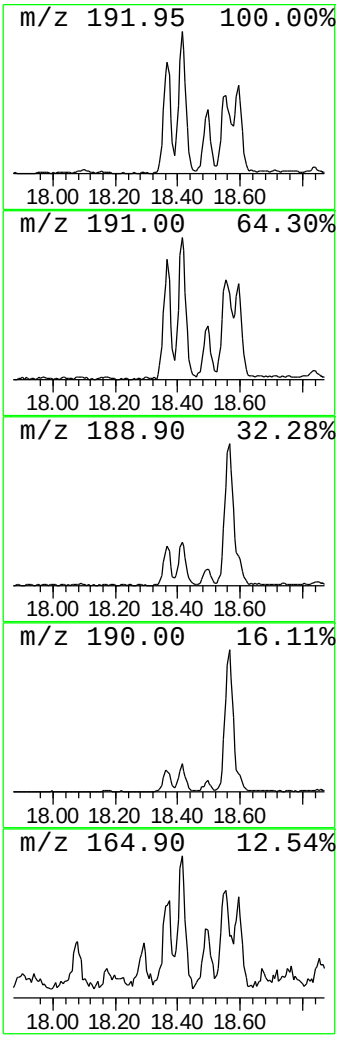
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	4.28 ng	133992	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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

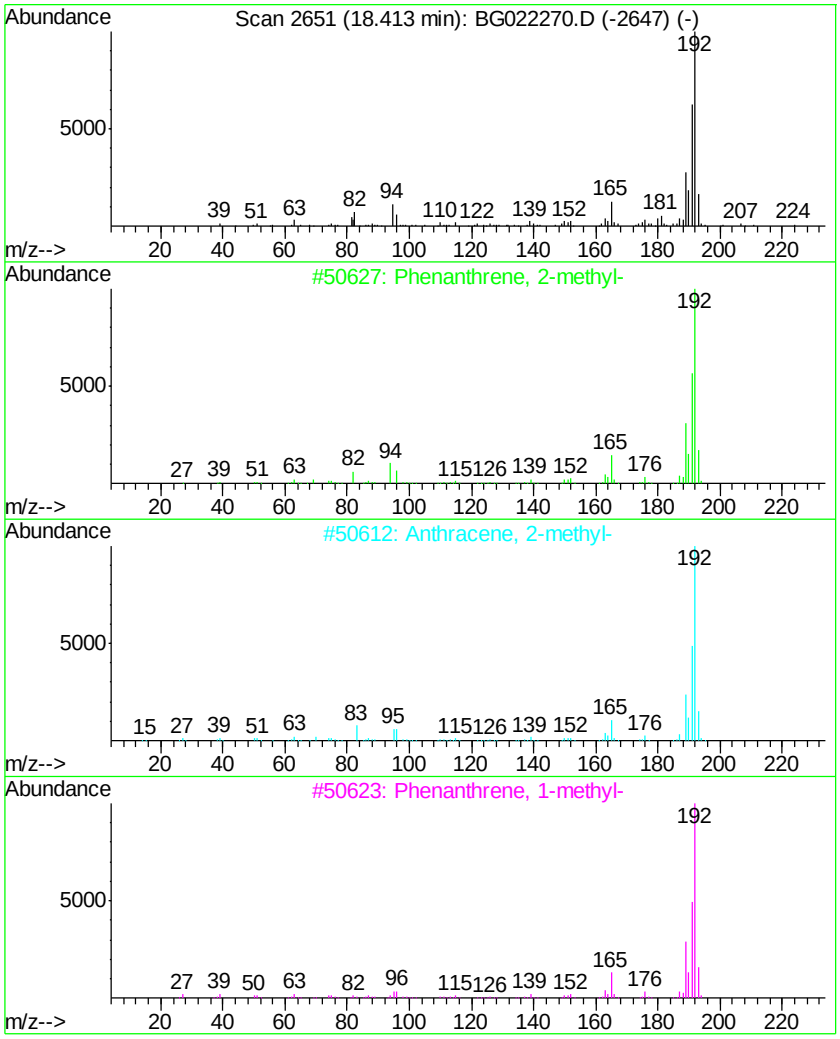
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

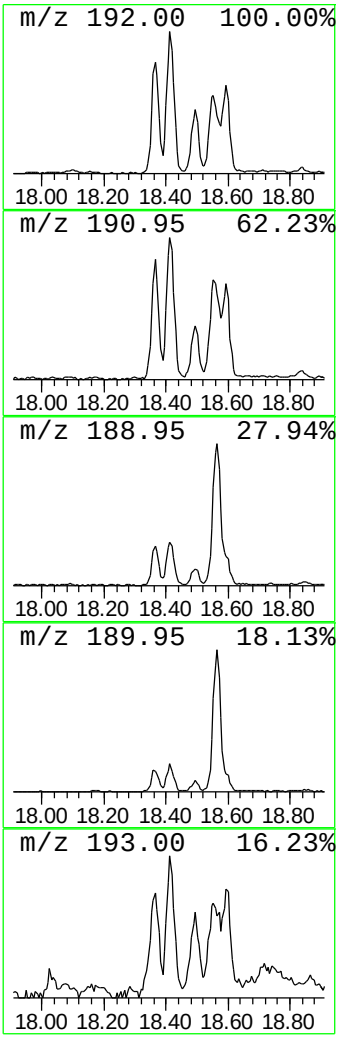
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	5.40 ng	168935	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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

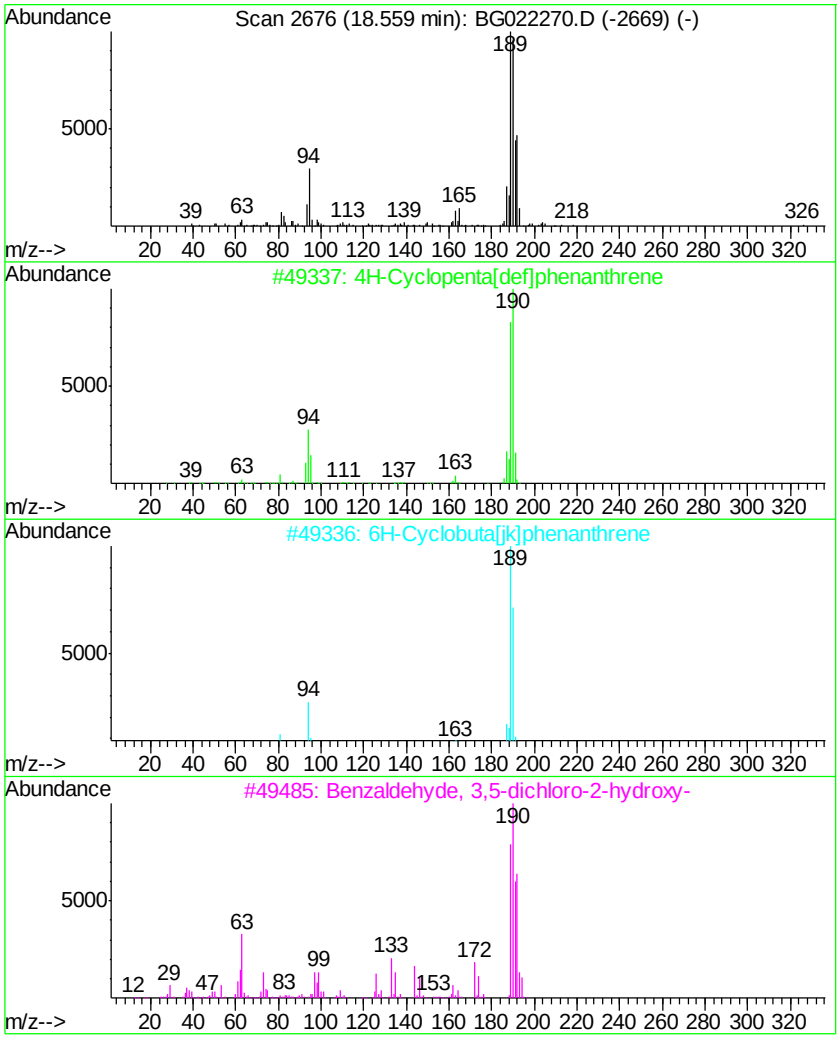
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

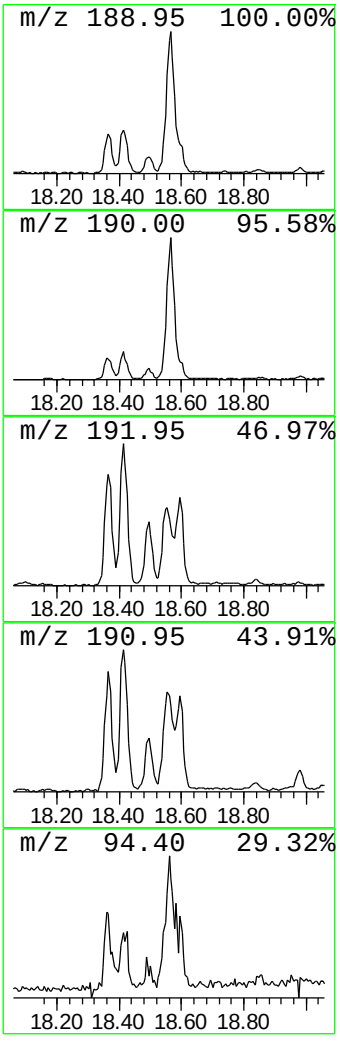
****

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	9.29 ng	290868	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	12





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Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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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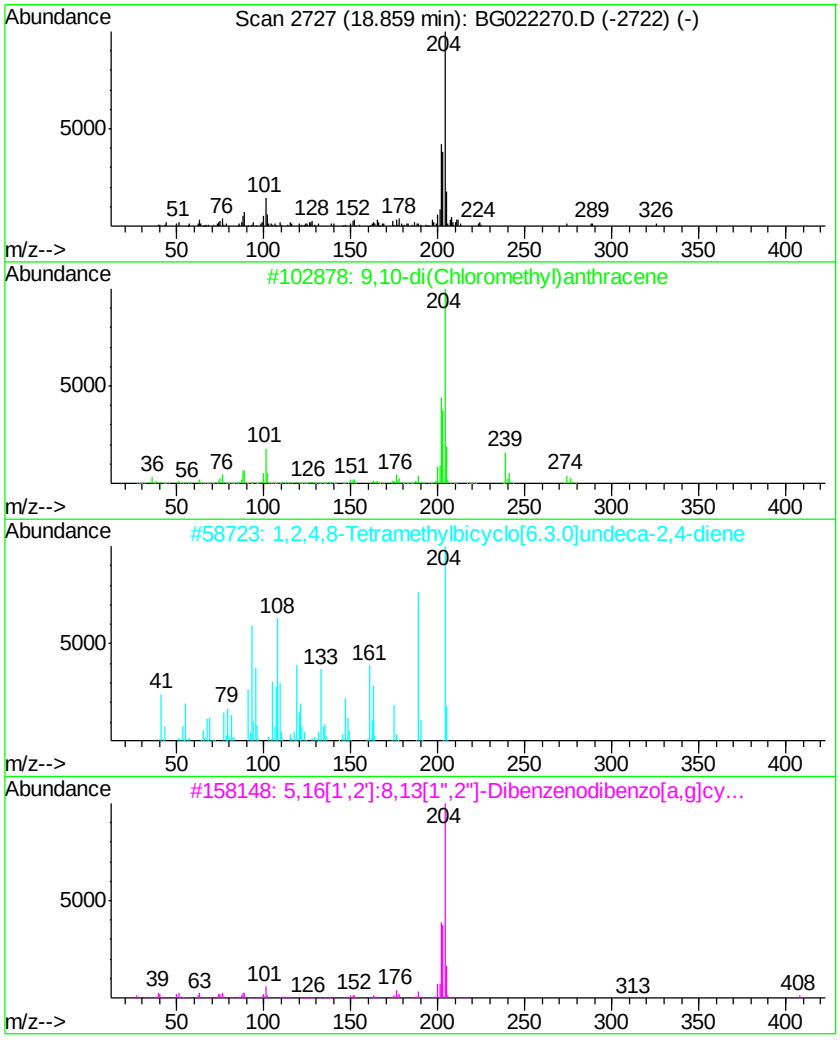
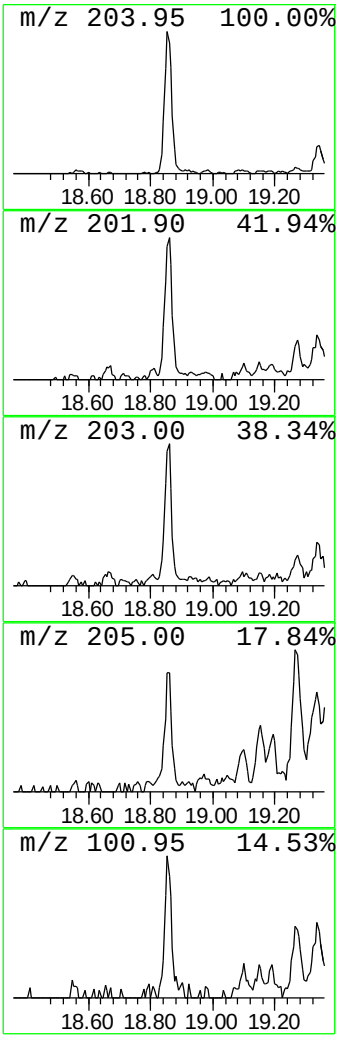
Peak Number 12 9,10-di(Chloromethyl)anthra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	3.05 ng	95522	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	87
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	72
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64





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Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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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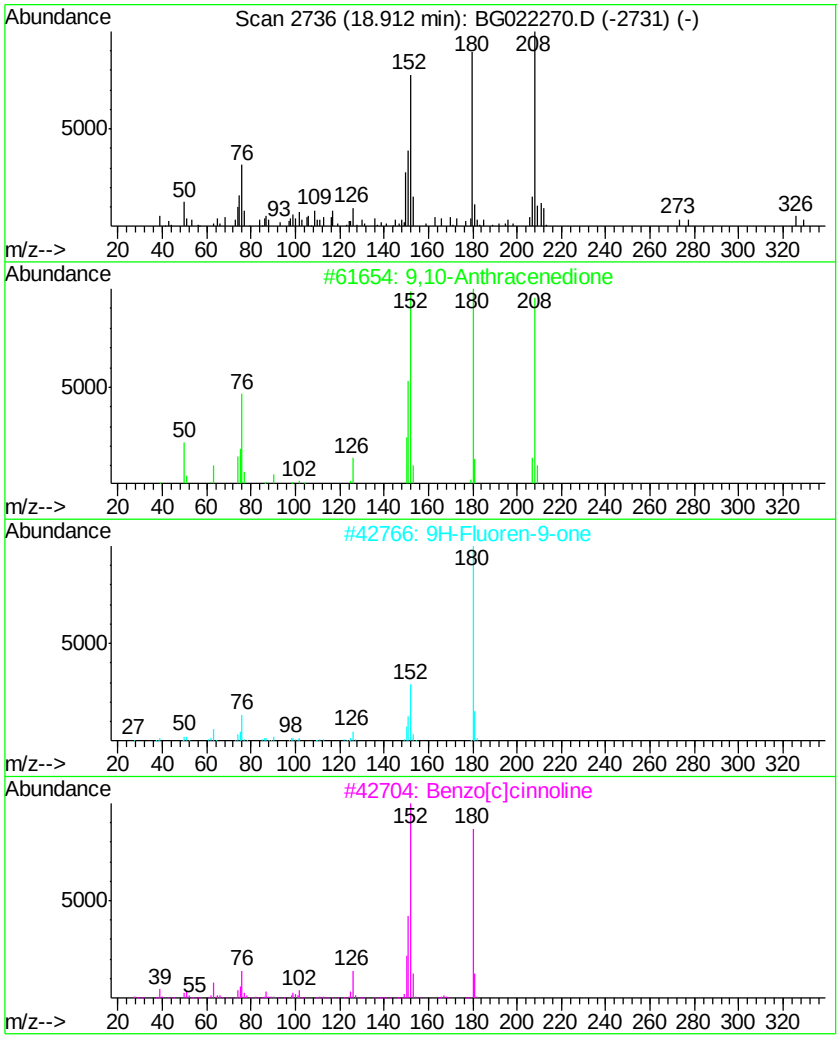
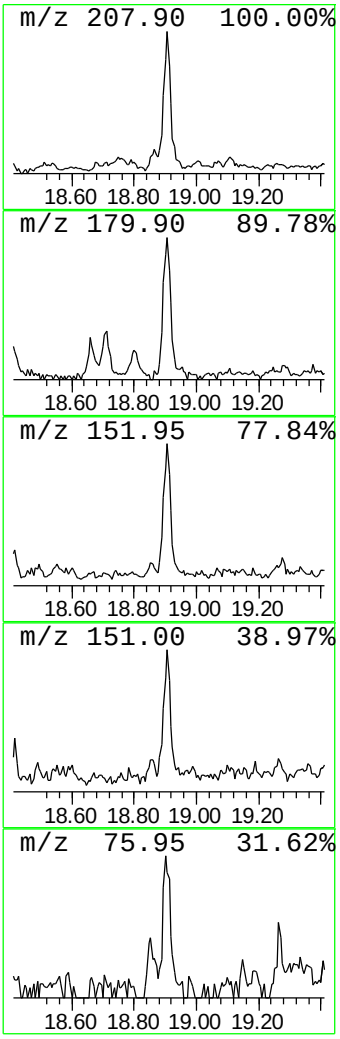
Peak Number 13 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	2.29 ng	71692	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	53
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	50
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	47





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Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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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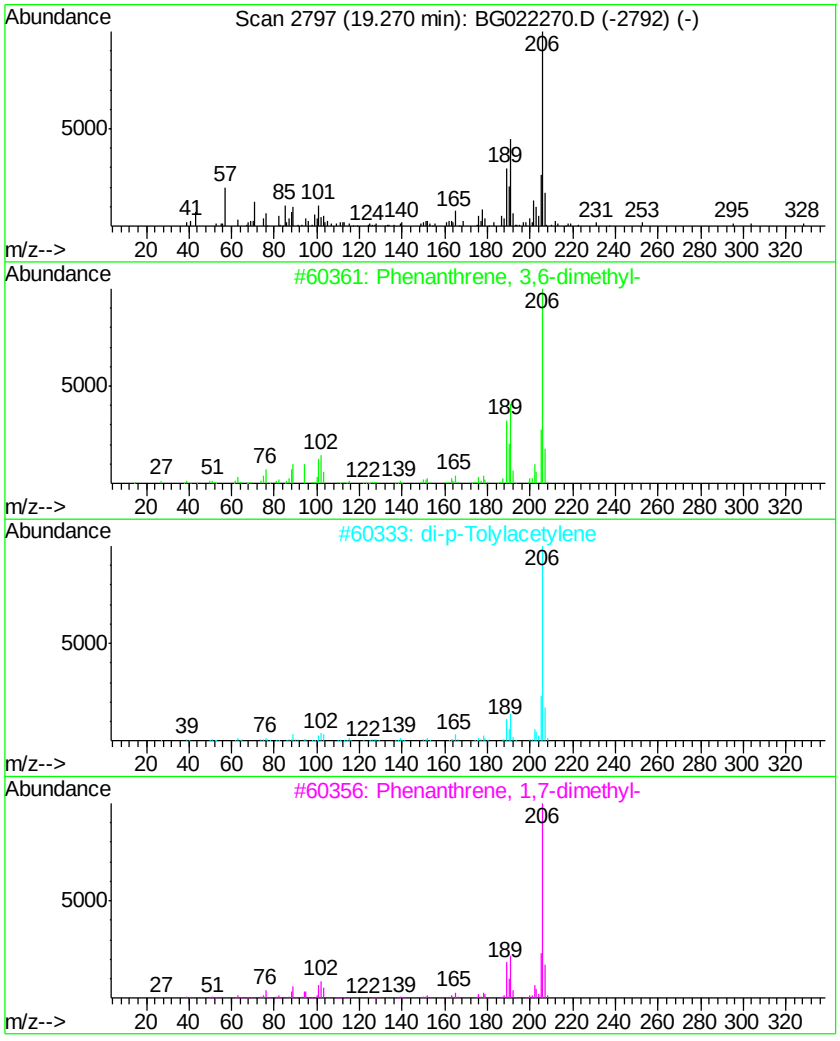
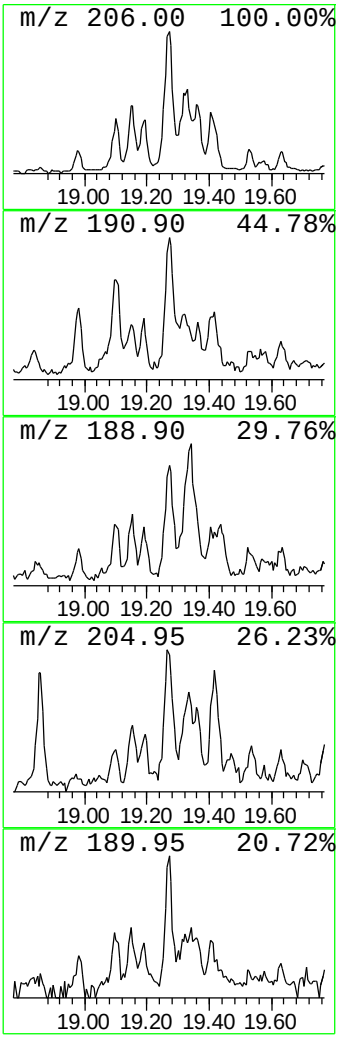
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	3.52 ng	110164	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





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Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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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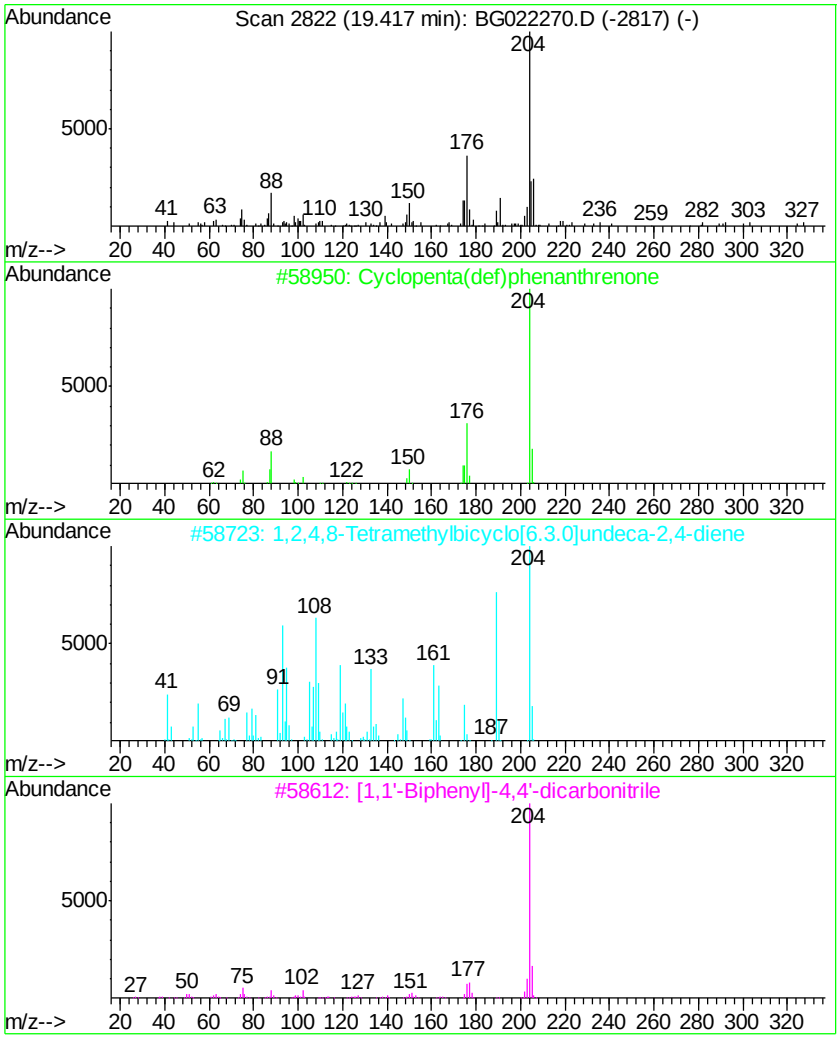
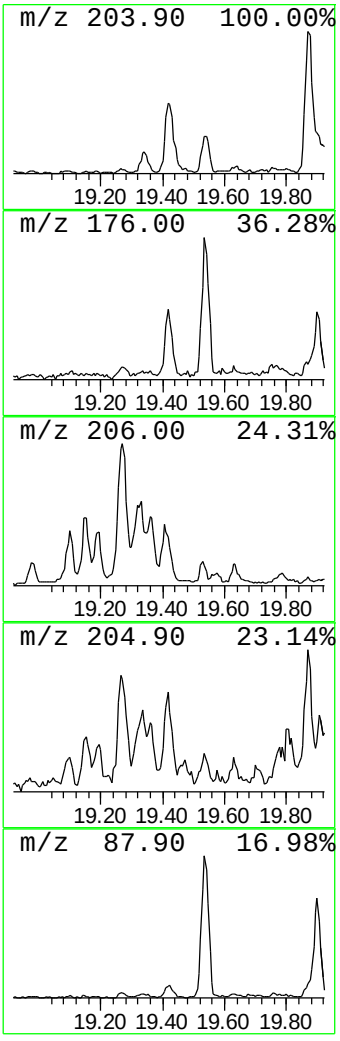
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.42	2.89 ng	90385	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	47
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	42





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Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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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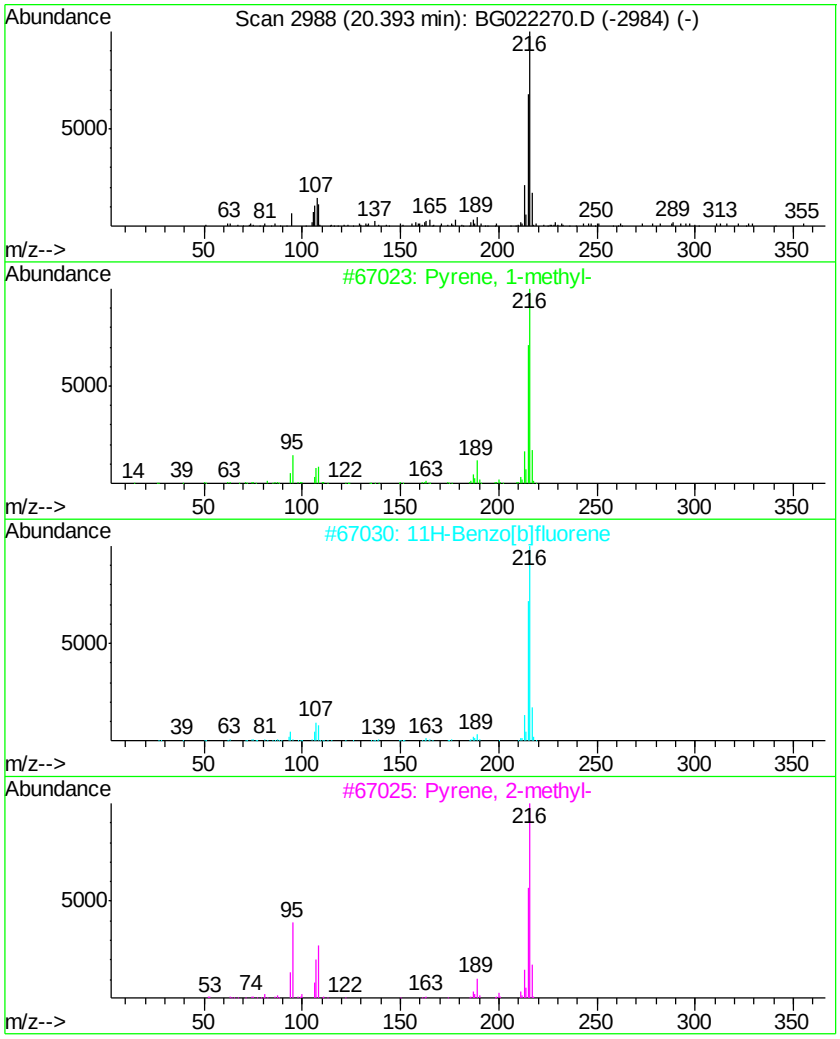
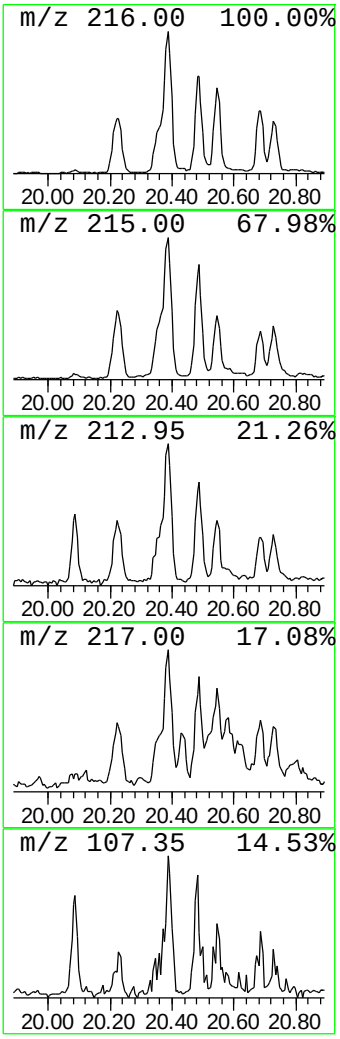
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	2.33 ng	166535	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80





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Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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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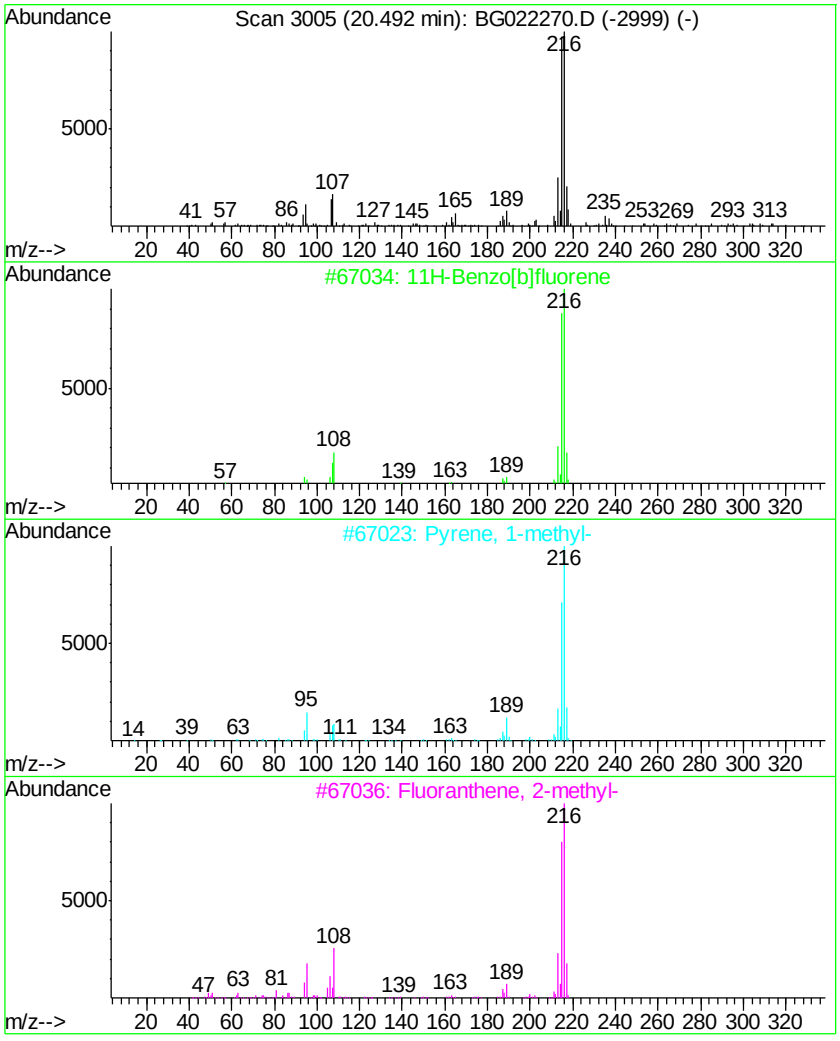
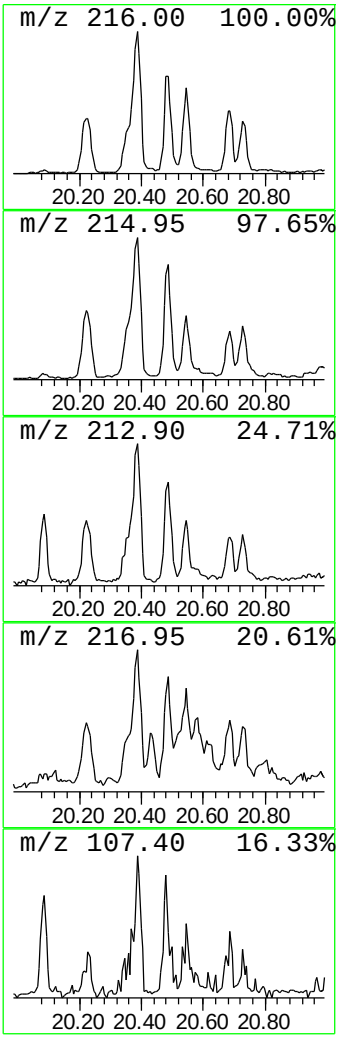
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	2.18 ng	155450	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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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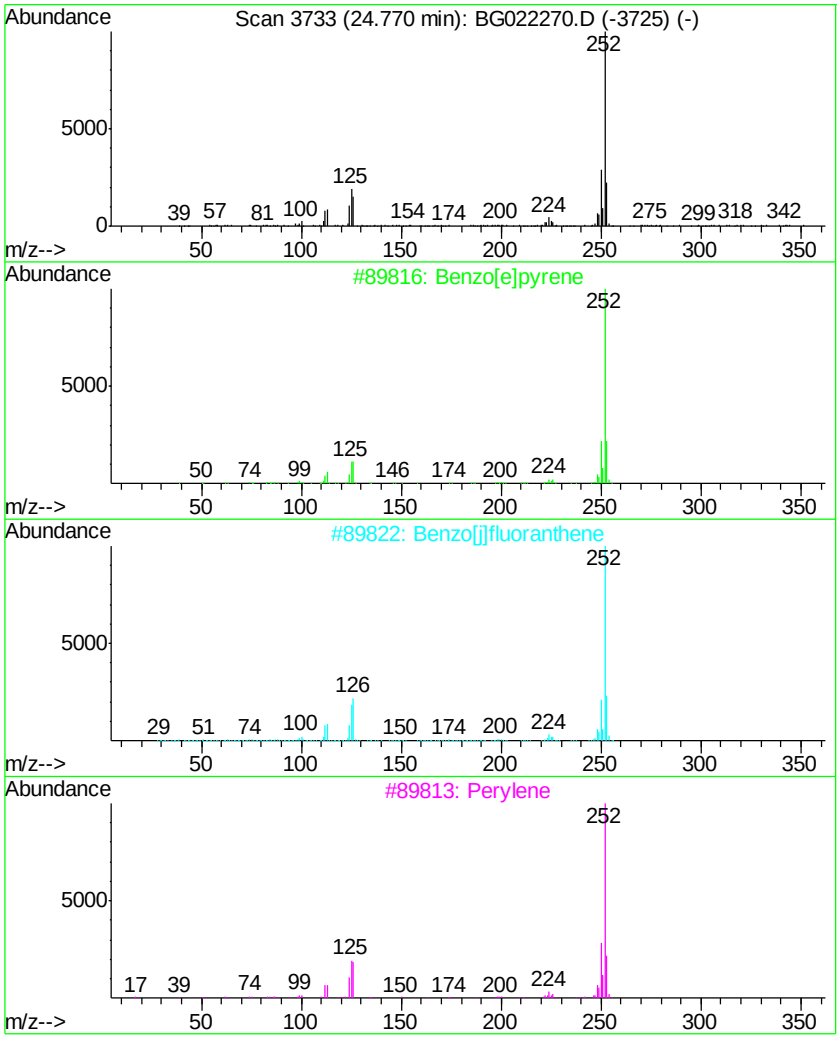
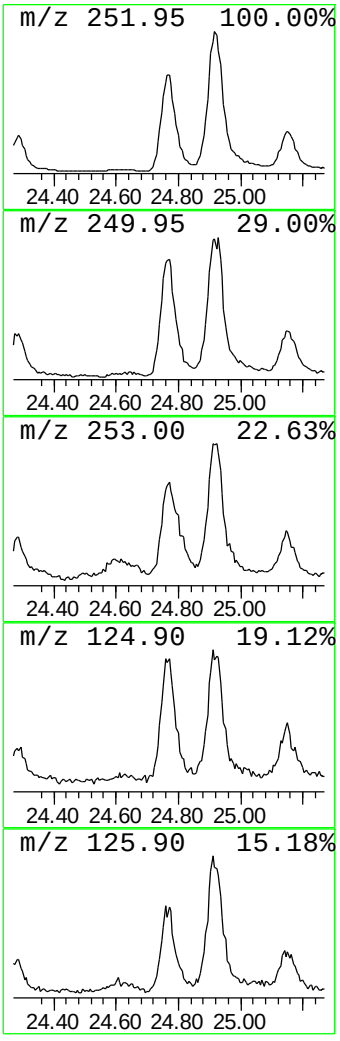
Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.77	27.65 ng	400872	Perylene-d12	25.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060916\
Data File : BG022270.D
Acq On : 9 Jun 2016 15:53
Operator : UM/SJ
Sample : H3402-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-47

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	115.5	ng	1397120	1	8.12	241963	20.0
2-Pentanone, 4-hy...	5.19	2.5	ng	30545	1	8.12	241963	20.0
unknown7.65	7.65	56.3	ng	681316	1	8.12	241963	20.0
Pentadecane	16.42	2.0	ng	62909	4	17.50	626007	20.0
Heneicosane	17.21	2.4	ng	75001	4	17.50	626007	20.0
Anthracene, 1-met...	18.37	4.3	ng	133992	4	17.50	626007	20.0
Phenanthrene, 2-m...	18.41	5.4	ng	168935	4	17.50	626007	20.0
4H-Cyclopenta[def...	18.56	9.3	ng	290868	4	17.50	626007	20.0
9,10-di(Chloromet...	18.86	3.0	ng	95522	4	17.50	626007	20.0
9,10-Anthracenedione	18.91	2.3	ng	71692	4	17.50	626007	20.0
Phenanthrene, 3,6...	19.27	3.5	ng	110164	4	17.50	626007	20.0
Cyclopenta(def)ph...	19.42	2.9	ng	90385	4	17.50	626007	20.0
Pyrene, 1-methyl-	20.39	2.3	ng	166535	5	21.77	1428840	20.0
11H-Benzo[b]fluorene	20.49	2.2	ng	155450	5	21.77	1428840	20.0
Benzo[e]pyrene	24.77	27.6	ng	400872	6	25.08	289955	20.0