LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\
Data File : BG022330.D
Acq On : 13 Jun 2016 18:57
Operator : UM/SJ
Sample : H3474-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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	2.935	11	16	32	rBV	777317	1282848	98.62%	7.489%
2	5.150	387	393	405	rVB	32567	63552	4.89%	0.371%
3	5.638	469	476	494	rBV	399671	771253	59.29%	4.502%
4	6.701	651	657	667	rVB6	9314	26888	2.07%	0.157%
5	7.254	739	751	765	rBV	432682	880752	67.71%	5.141%
6	7.624	806	814	822	rVV	477233	939821	72.25%	5.486%
7	7.688	822	825	830	rVB2	14394	20576	1.58%	0.120%
8	8.041	880	885	888	rBV2	14661	24155	1.86%	0.141%
9	8.088	888	893	900	rVB	100100	182798	14.05%	1.067%
10	8.411	941	948	957	rVB	350711	700277	53.83%	4.088%
11	8.605	974	981	984	rBV6	5785	13812	1.06%	0.081%
12	8.652	984	989	996	rVB6	7294	20313	1.56%	0.119%
13	8.728	996	1002	1007	rBV7	9790	20102	1.55%	0.117%
14	8.928	1031	1036	1041	rBV7	6944	13592	1.04%	0.079%
15	9.193	1068	1081	1086	rBV8	18020	47814	3.68%	0.279%
16	9.263	1086	1093	1106	rVV	257344	570118	43.83%	3.328%
17	9.398	1111	1116	1118	rVV4	7176	13540	1.04%	0.079%
18	9.434	1120	1122	1129	rVB5	7424	13025	1.00%	0.076%
19	9.557	1134	1143	1146	rBV8	5810	13908	1.07%	0.081%
20	9.716	1165	1170	1177	rVB4	9038	18920	1.45%	0.110%
21	9.810	1182	1186	1197	rVB7	8811	19930	1.53%	0.116%
22	10.015	1214	1221	1225	rBV4	9016	15816	1.22%	0.092%
23	10.080	1227	1232	1236	rVV8	7831	14671	1.13%	0.086%
24	10.297	1263	1269	1276	rBV4	16564	32732	2.52%	0.191%
25	10.855	1357	1364	1367	rBV3	19473	37422	2.88%	0.218%
26	10.908	1367	1373	1387	rVV	162857	351353	27.01%	2.051%
27	11.038	1389	1395	1401	rVB2	16690	36617	2.81%	0.214%
28	11.596	1481	1490	1496	rBV10	8359	20322	1.56%	0.119%
29	11.901	1533	1542	1547	rBV2	20544	41404	3.18%	0.242%
30	12.295	1603	1609	1617	rBV2	21592	38989	3.00%	0.228%
31	12.559	1649	1654	1659	rVB2	9047	16473	1.27%	0.096%
32	12.777	1686	1691	1698	rVB3	8401	18287	1.41%	0.107%
33	12.924	1711	1716	1719	rBV6	7624	13896	1.07%	0.081%
34	13.235	1764	1769	1778	rVB	22938	37579	2.89%	0.219%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\
Data File : BG022330.D
Acq On : 13 Jun 2016 18:57
Operator : UM/SJ
Sample : H3474-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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	13.347	1778	1788	1801	rBV	718146	1248670	95.99%	7.289%
36	13.523	1813	1818	1826	rVB	27403	43562	3.35%	0.254%
37	13.911	1873	1884	1889	rBV8	8670	22422	1.72%	0.131%
38	14.046	1900	1907	1912	rBV5	17681	34398	2.64%	0.201%
39	14.093	1912	1915	1920	rVV4	12456	19472	1.50%	0.114%
40	14.169	1920	1928	1934	rVV	113351	202507	15.57%	1.182%
41	14.293	1942	1949	1952	rBV9	8167	15756	1.21%	0.092%
42	14.451	1972	1976	1984	rBV10	8131	15567	1.20%	0.091%
43	14.592	1996	2000	2007	rVB2	30820	48068	3.70%	0.281%
44	14.727	2016	2023	2030	rVV2	232209	421732	32.42%	2.462%
45	14.792	2030	2034	2040	rVB6	11099	20590	1.58%	0.120%
46	15.027	2068	2074	2082	rBV10	6605	14215	1.09%	0.083%
47	15.127	2087	2091	2098	rVB9	9740	20137	1.55%	0.118%
48	15.209	2098	2105	2112	rBV8	11486	29396	2.26%	0.172%
49	15.538	2157	2161	2166	rVB	36325	55756	4.29%	0.325%
50	15.767	2195	2200	2206	rBV5	11784	27827	2.14%	0.162%
51	15.944	2223	2230	2235	rBV3	20187	44215	3.40%	0.258%
52	16.214	2269	2276	2287	rBV	520843	858434	65.99%	5.011%
53	16.402	2303	2308	2310	rBV2	36190	55972	4.30%	0.327%
54	17.189	2438	2442	2446	rBV5	20802	27769	2.13%	0.162%
55	17.471	2484	2490	2494	rBV	275711	460053	35.37%	2.686%
56	17.512	2494	2497	2505	rVB	122419	181978	13.99%	1.062%
57	17.600	2508	2512	2517	rVV	32815	50474	3.88%	0.295%
58	18.341	2634	2638	2642	rBV	35644	50223	3.86%	0.293%
59	18.394	2643	2647	2652	rVB2	39283	62993	4.84%	0.368%
60	18.476	2657	2661	2665	rVB3	21741	33795	2.60%	0.197%
61	18.540	2667	2672	2676	rBV3	58845	112516	8.65%	0.657%
62	18.646	2687	2690	2695	rVB	22000	29570	2.27%	0.173%
63	18.734	2701	2705	2710	rBV4	34173	60837	4.68%	0.355%
64	18.834	2719	2722	2726	rBV	22755	30846	2.37%	0.180%
65	19.069	2758	2762	2768	rVB3	71061	109512	8.42%	0.639%
66	19.193	2778	2783	2788	rVB2	42419	75461	5.80%	0.441%
67	19.251	2789	2793	2798	rVV4	39045	62942	4.84%	0.367%
68	19.516	2833	2838	2842	rBV	561340	858725	66.01%	5.013%
69	19.557	2842	2845	2850	rVB	208672	284198	21.85%	1.659%
70	19.739	2872	2876	2885	rBV2	120026	186149	14.31%	1.087%
71	19.845	2891	2894	2895	rBV	48330	56868	4.37%	0.332%

LSC Area Percent Report

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Data File : BG022330.D
Acq On : 13 Jun 2016 18:57
Operator : UM/SJ
Sample : H3474-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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	19.880	2895	2900	2907	rVB	471518	748705	57.55%	4.371%
73	20.062	2926	2931	2937	rBV	889327	1300863	100.00%	7.594%
74	20.280	2963	2968	2973	rBV	297155	410555	31.56%	2.397%
75	20.368	2976	2983	2988	rVB2	117655	269634	20.73%	1.574%
76	20.462	2996	2999	3003	rBV2	97176	126444	9.72%	0.738%
77	20.773	3049	3052	3059	rVB	79029	106627	8.20%	0.622%
78	21.737	3209	3216	3222	rBV3	353737	966635	74.31%	5.643%
79	21.790	3222	3225	3232	rVB	215153	368200	28.30%	2.149%
80	23.999	3593	3601	3615	rVB4	115256	565668	43.48%	3.302%

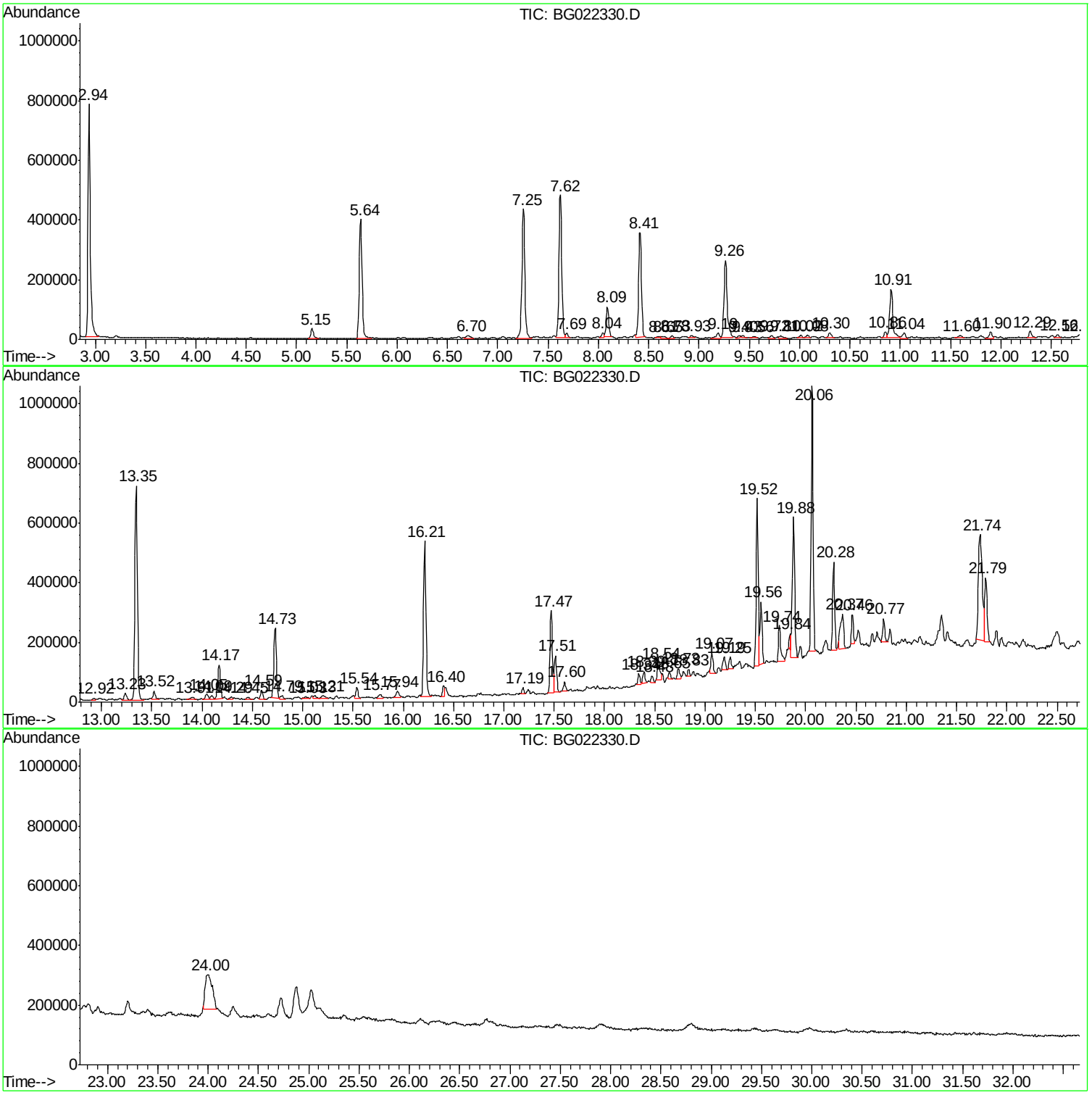
Sum of corrected areas: 17130491

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\
Data File : BG022330.D
Acq On : 13 Jun 2016 18:57
Operator : UM/SJ
Sample : H3474-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S7-B4(6-12)C

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\BG061316\
Data File : BG022330.D
Acq On : 13 Jun 2016 18:57
Operator : UM/SJ
Sample : H3474-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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

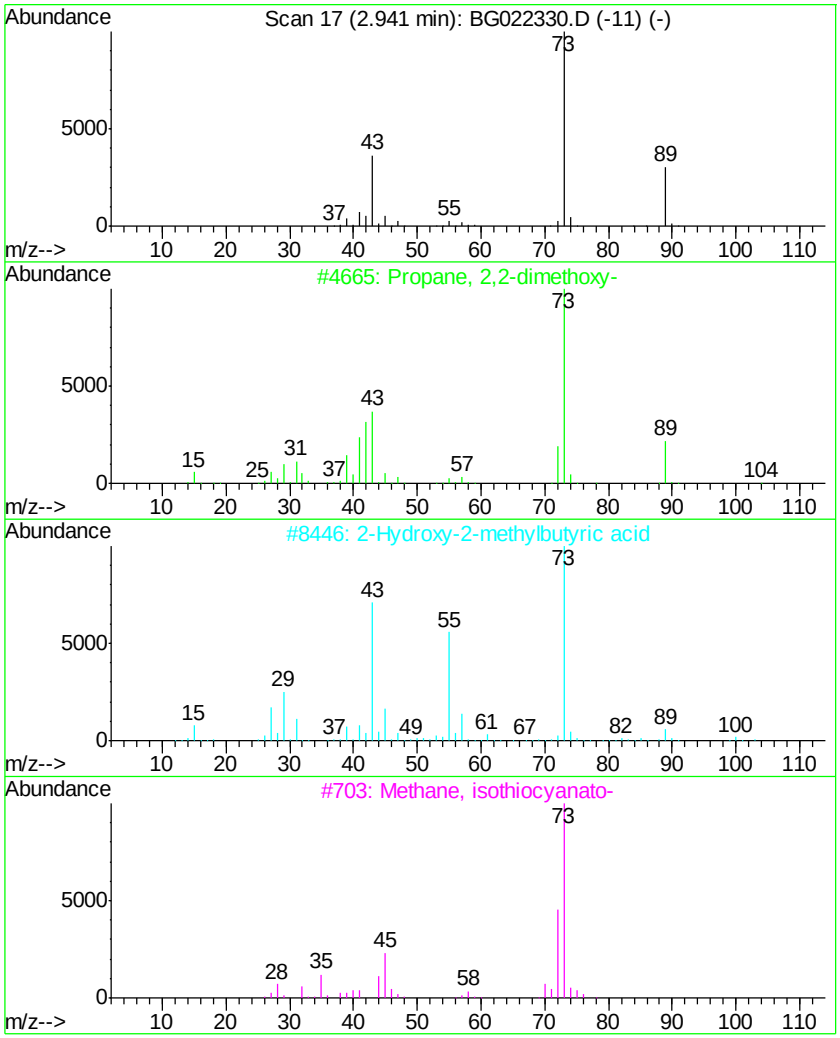
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

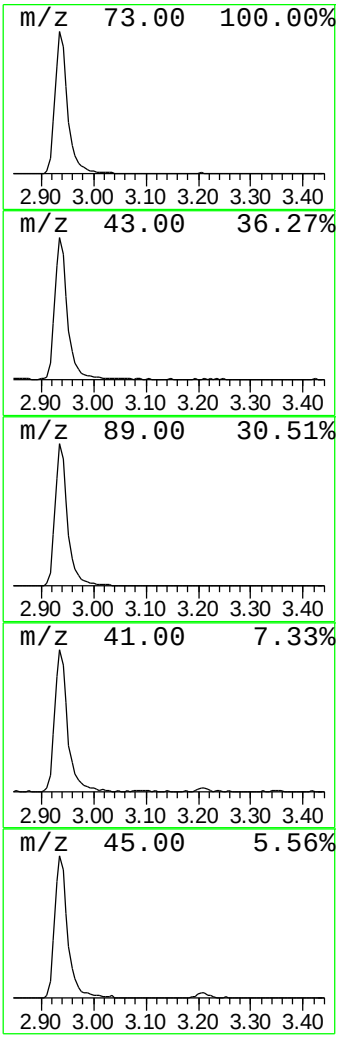
****

Peak Number 1 unknown2.94 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.94	140.36 ng	1282850	1,4-Dichlorobenzene-d4	8.09

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	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	7
4	N-Ethylformamide	73	C3H7NO	000627-45-2	7
5	1,3-Dioxolane, 2-(6-heptynyl)-	168	C10H16O2	025595-82-8	4





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\
Data File : BG022330.D
Acq On : 13 Jun 2016 18:57
Operator : UM/SJ
Sample : H3474-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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

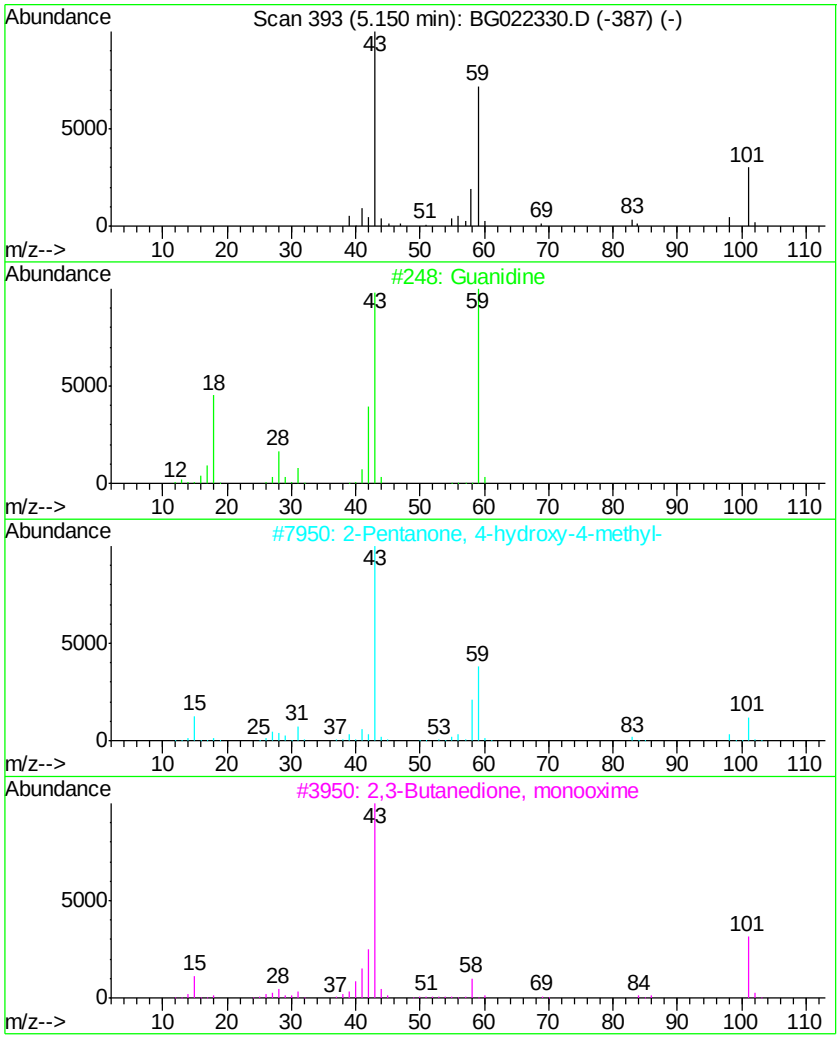
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

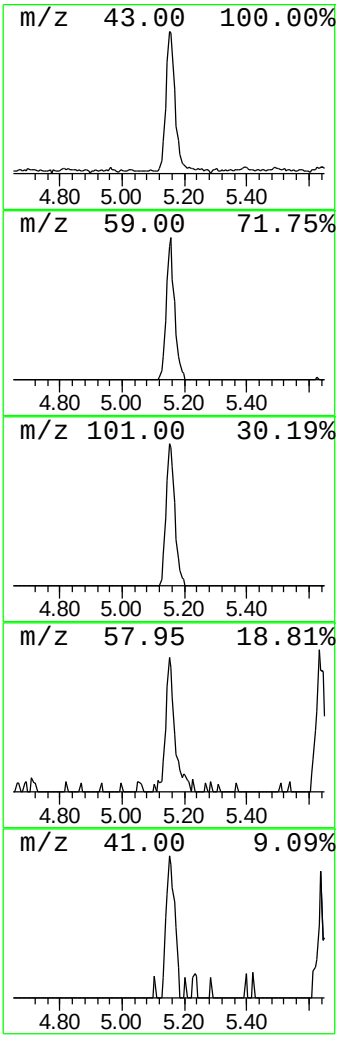
****

Peak Number 2 unknown5.15 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	6.95 ng	63552	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Guanidine	59	CH5N3	000113-00-8	43
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
4	3-Hexanol	102	C6H14O	000623-37-0	25
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\
Data File : BG022330.D
Acq On : 13 Jun 2016 18:57
Operator : UM/SJ
Sample : H3474-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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

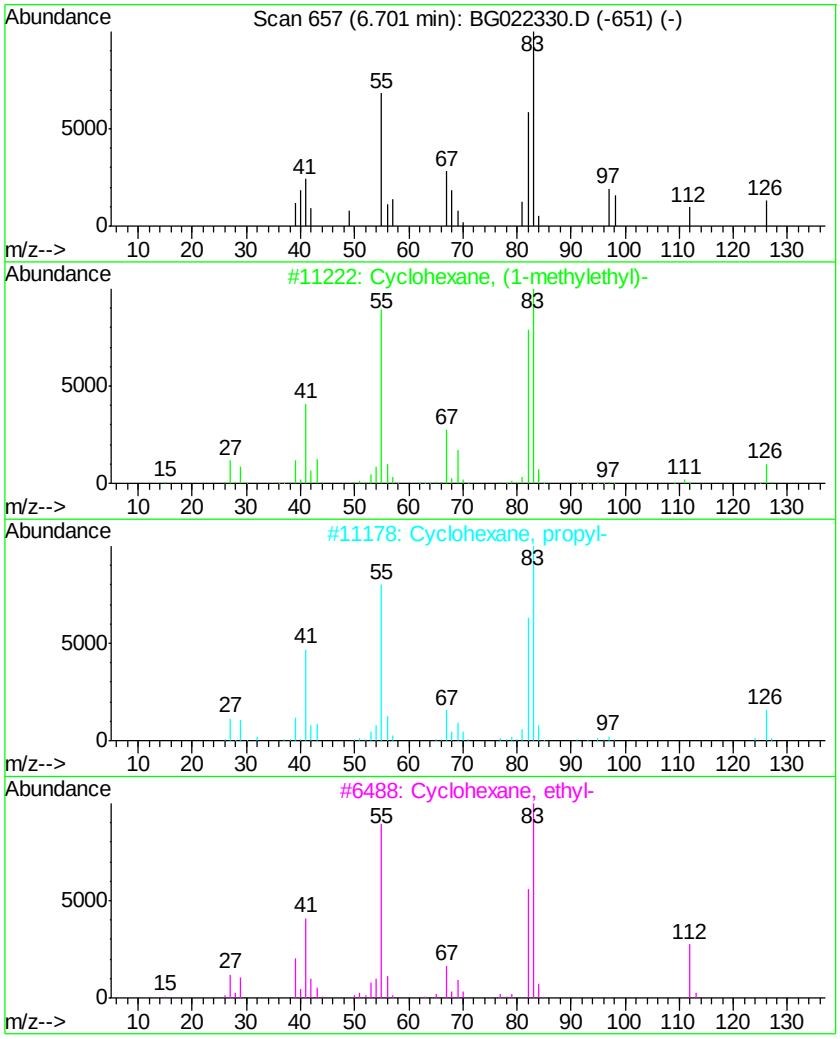
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

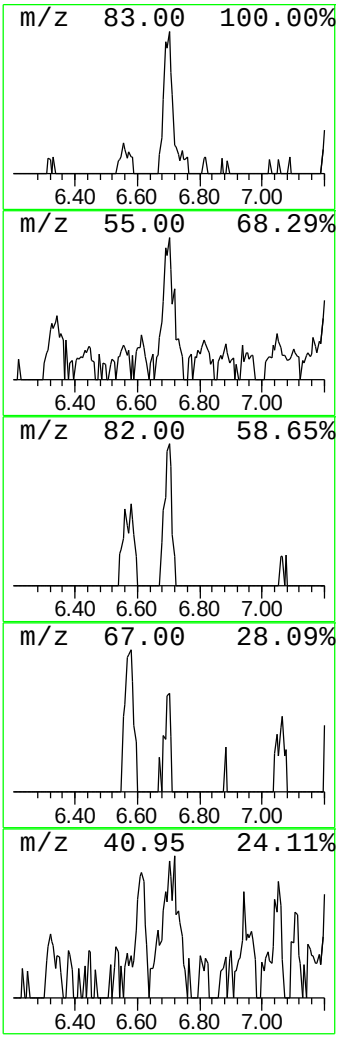
****

Peak Number 3 Cyclohexane, (1-methylethyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	2.94 ng	26888	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	58
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	58
4	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	43
5	2-Pentene, 5-bromo-2,3-dimethyl-	176	C7H13Br	056312-52-8	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\
Data File : BG022330.D
Acq On : 13 Jun 2016 18:57
Operator : UM/SJ
Sample : H3474-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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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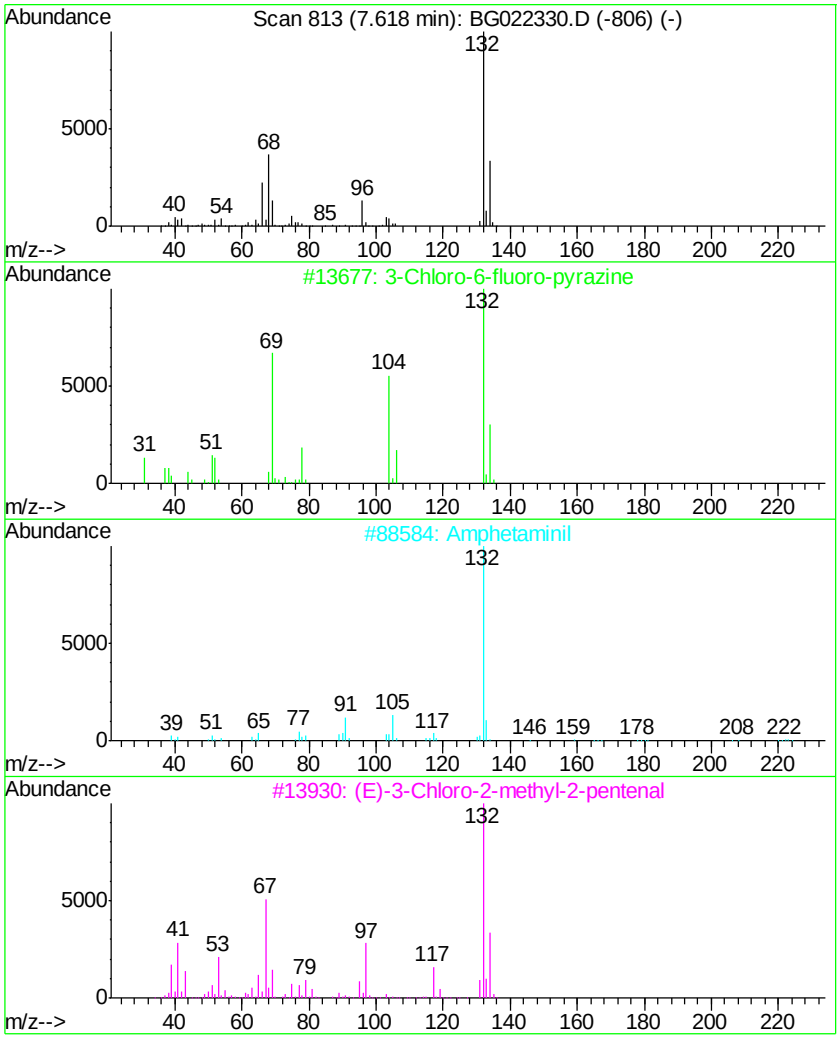
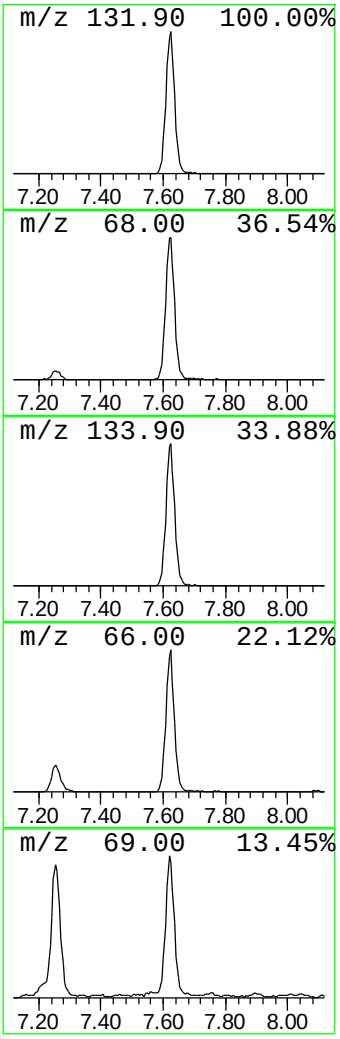
Peak Number 4 unknown7.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	102.83 ng	939821	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	Amphetaminil	250	C17H18N2	017590-01-1	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\
Data File : BG022330.D
Acq On : 13 Jun 2016 18:57
Operator : UM/SJ
Sample : H3474-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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

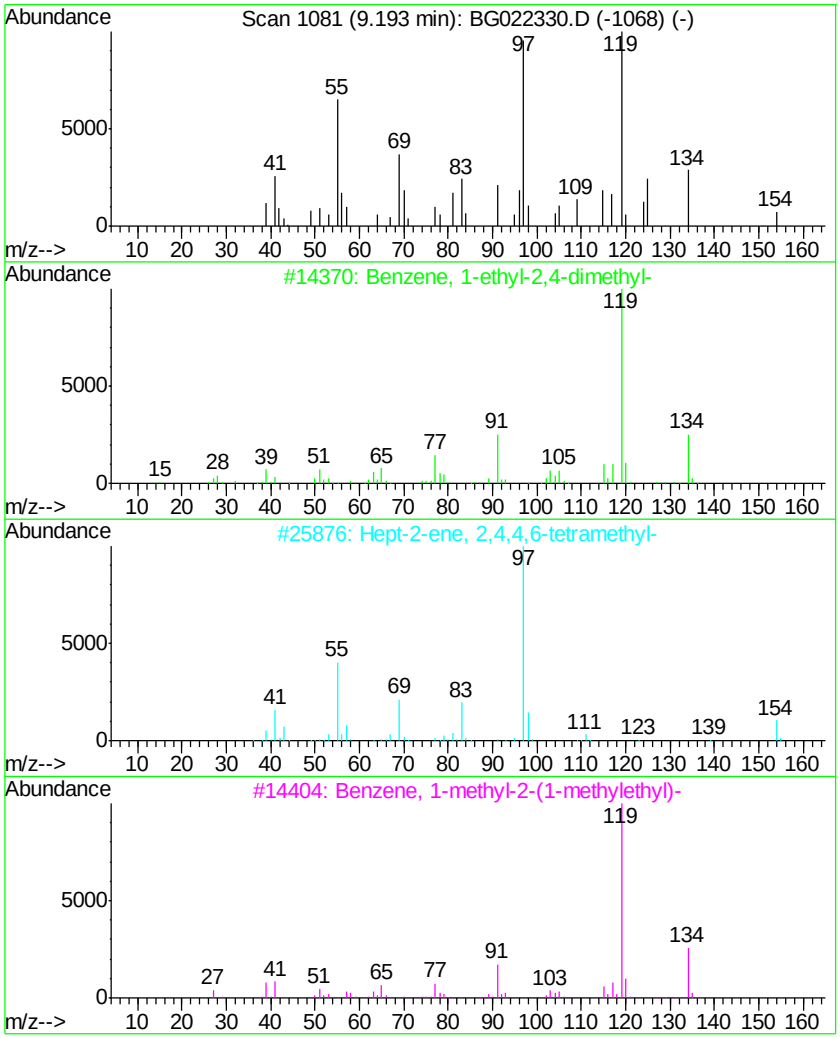
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

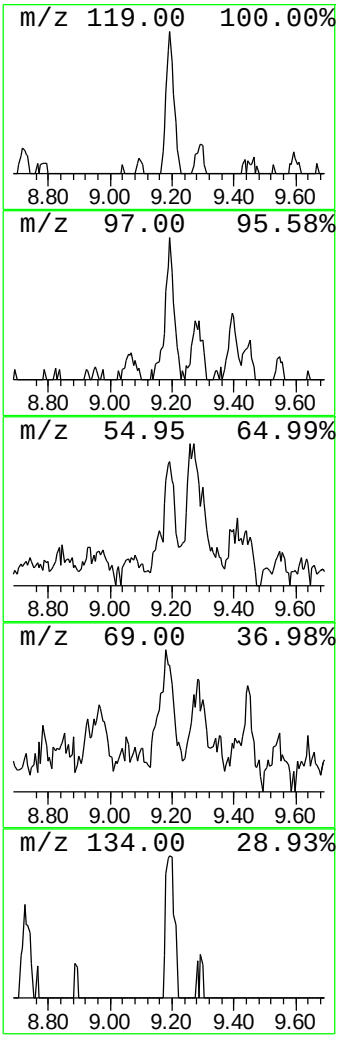
****

Peak Number 6 unknown9.19 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	5.23 ng	47814	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	27
2	Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	27
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	27
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	27
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\
Data File : BG022330.D
Acq On : 13 Jun 2016 18:57
Operator : UM/SJ
Sample : H3474-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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

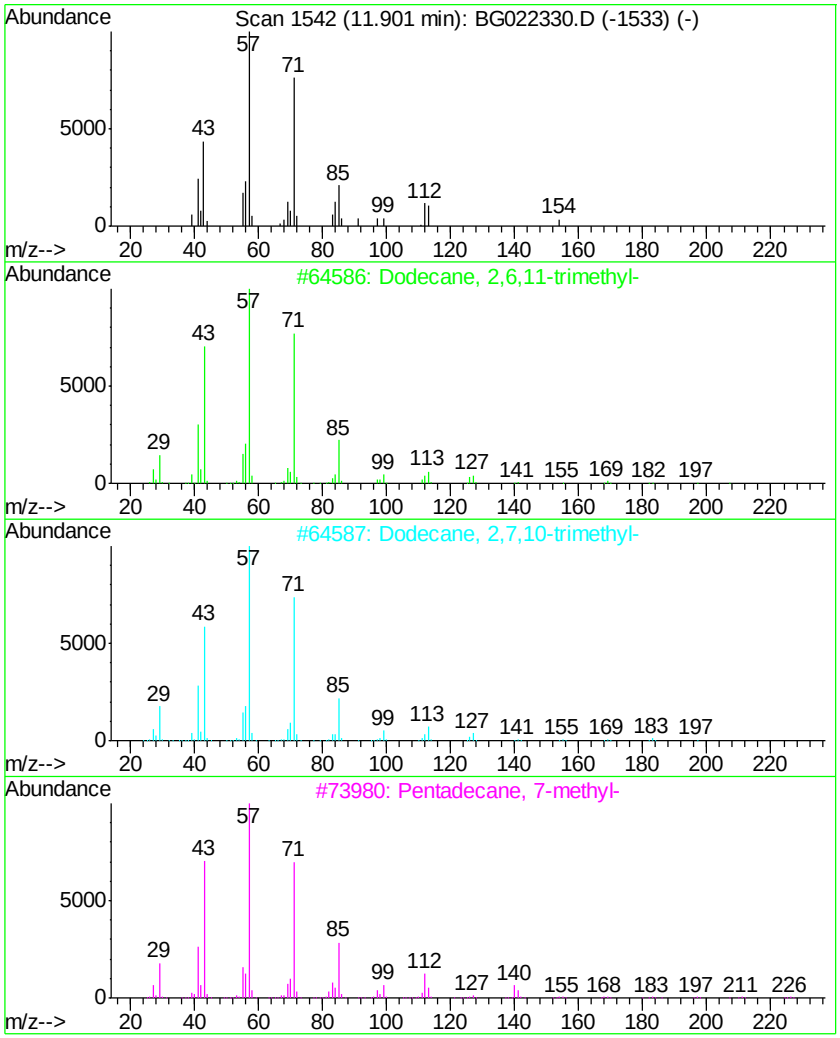
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

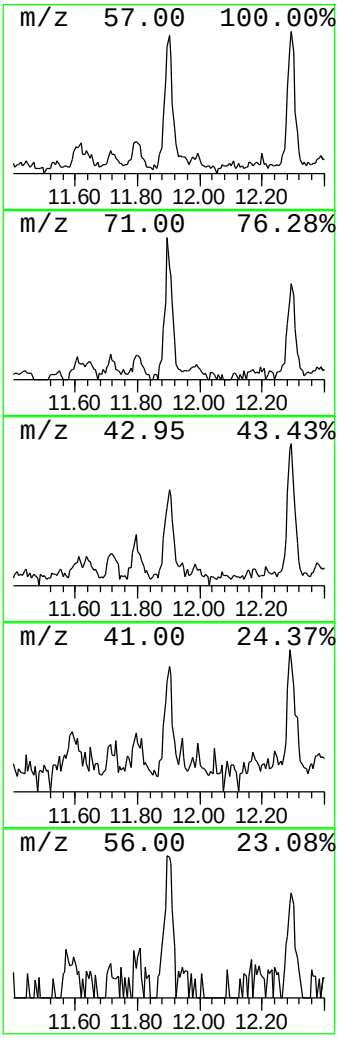
****

Peak Number 7 Dodecane, 2,6,11-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.36 ng	41404	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
3	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	64
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	64
5	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	59





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Acq On : 13 Jun 2016 18:57
Operator : UM/SJ
Sample : H3474-03
Misc :
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Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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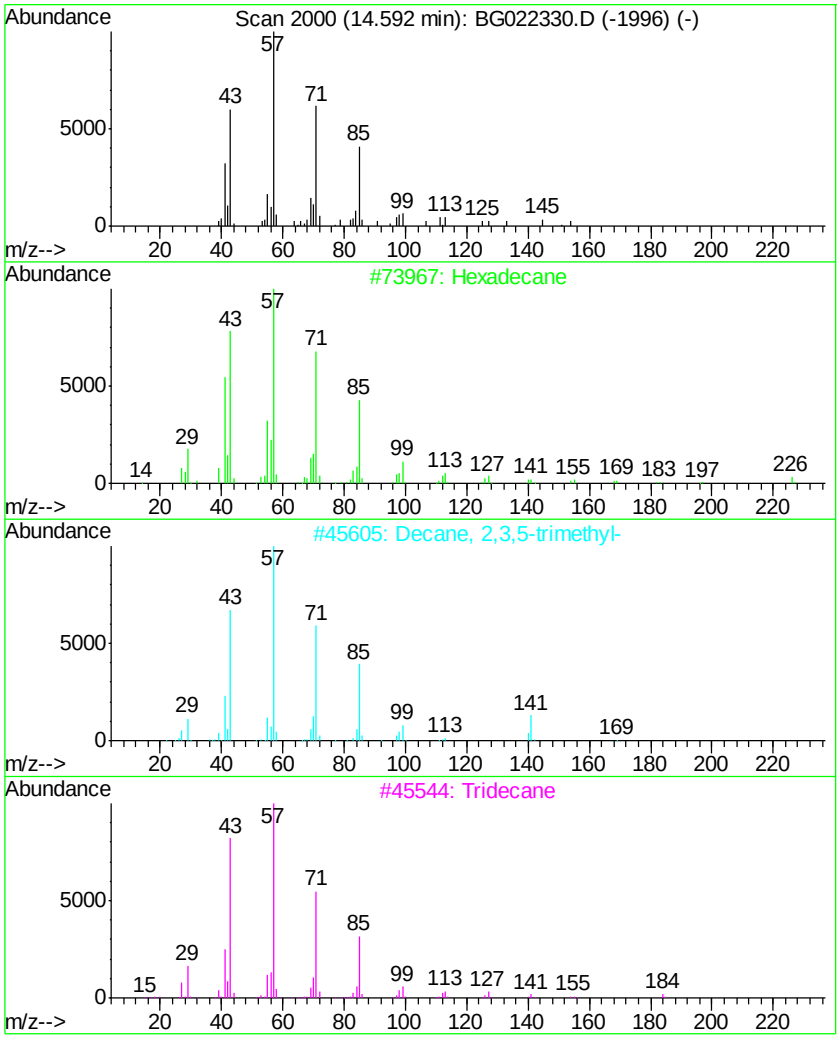
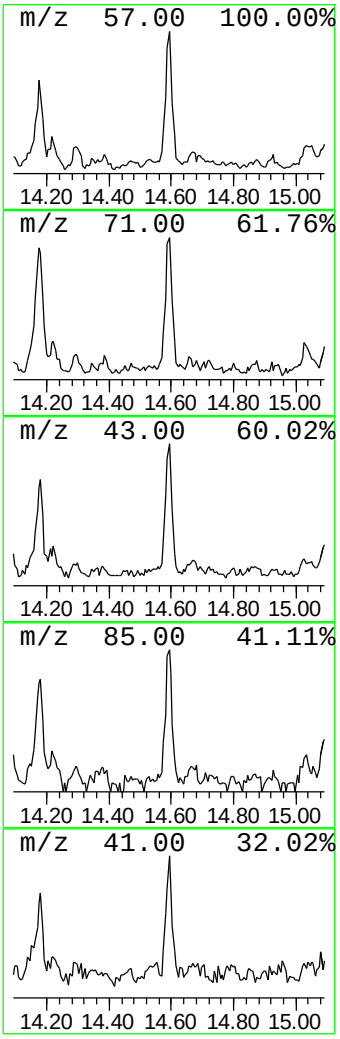
Peak Number 8 Hexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	2.28 ng	48068	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78
3	Tridecane	184	C13H28	000629-50-5	78
4	Undecane, 2-methyl-	170	C12H26	007045-71-8	72
5	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	64





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Sample : H3474-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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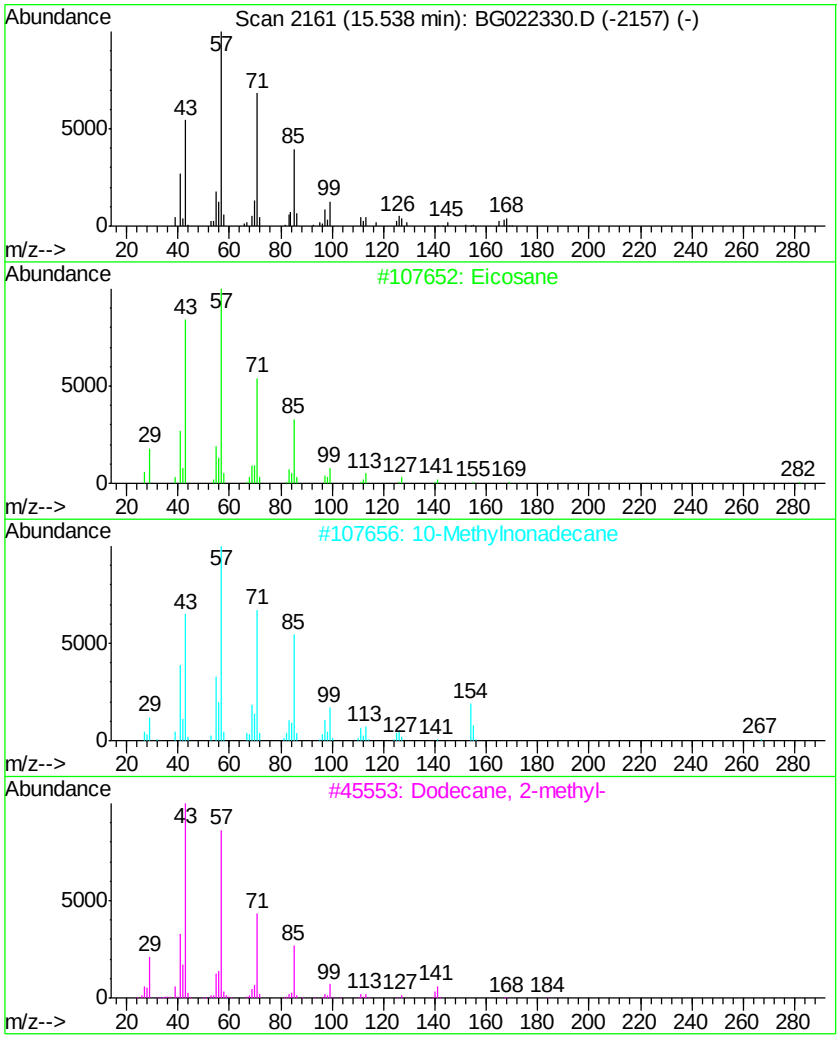
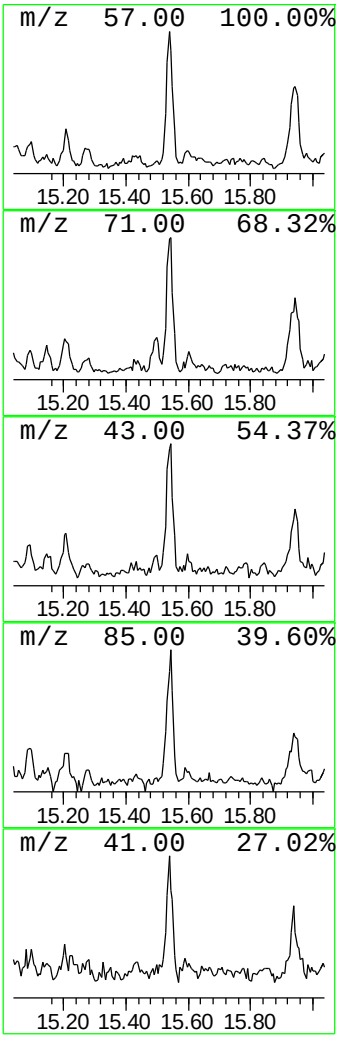
Peak Number 9 Eicosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	2.64 ng	55756	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	86
2	10-Methylnonadecane	282	C20H42	056862-62-5	80
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	72
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	72
5	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72





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Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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

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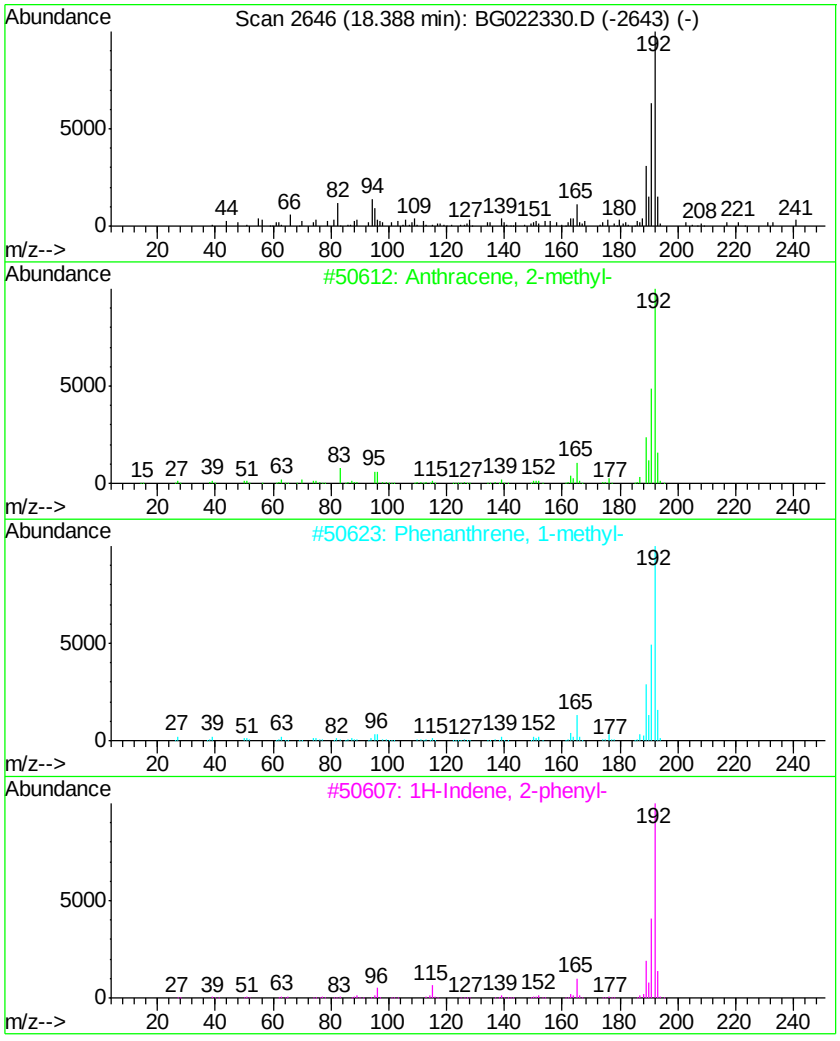
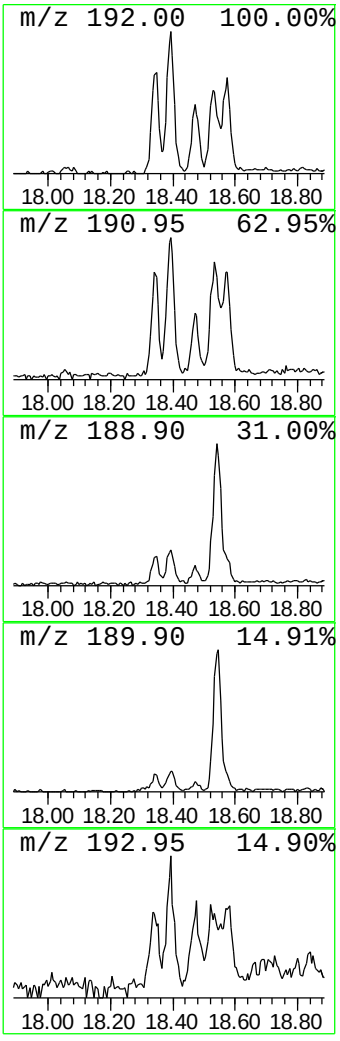
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	2.74 ng	62993	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Sample : H3474-03
Misc :
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Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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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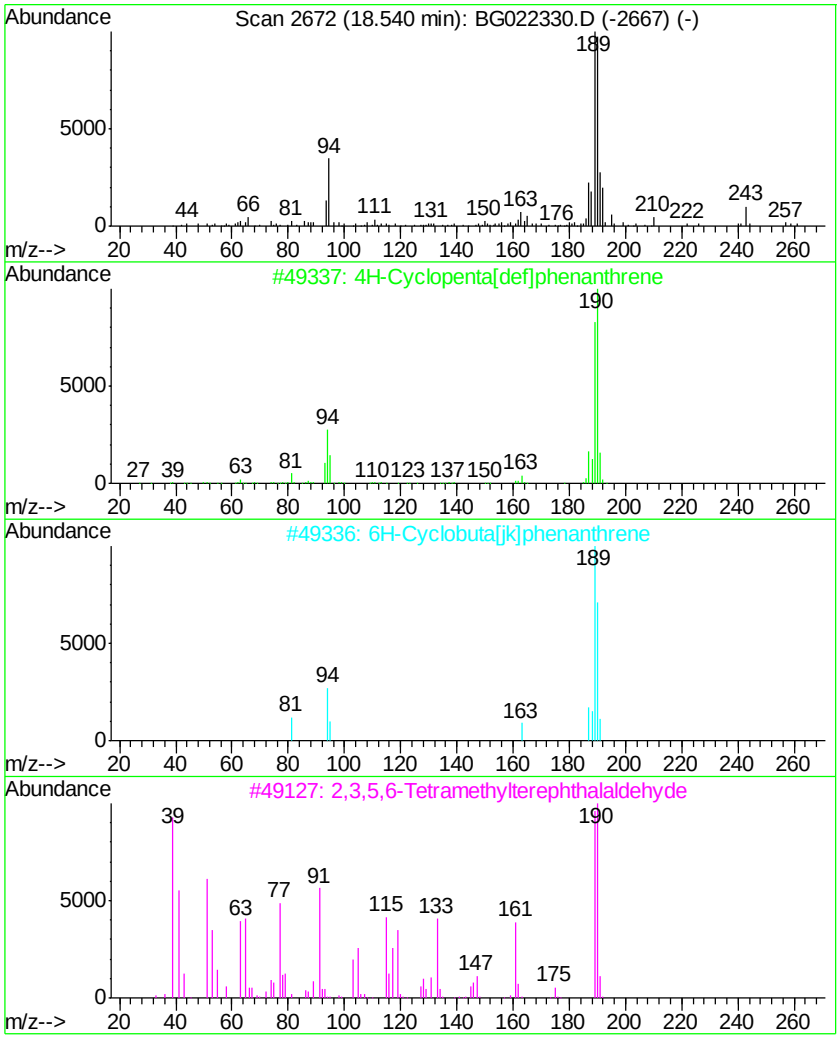
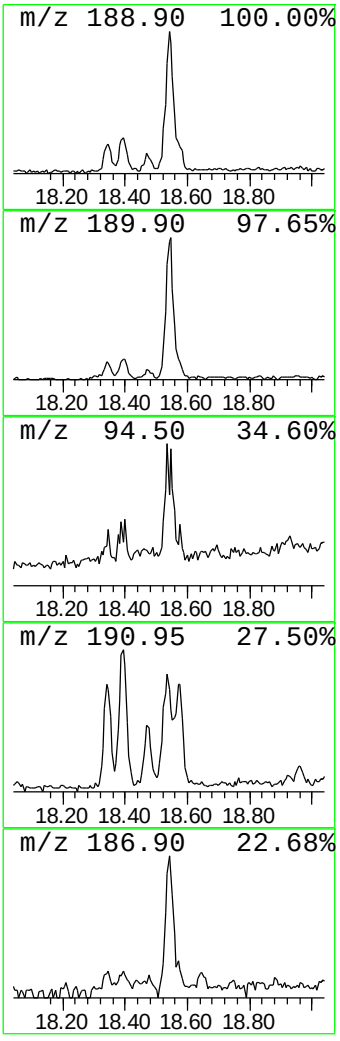
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	4.89 ng	112516	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	33
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	28





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ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId : S7-B4(6-12)C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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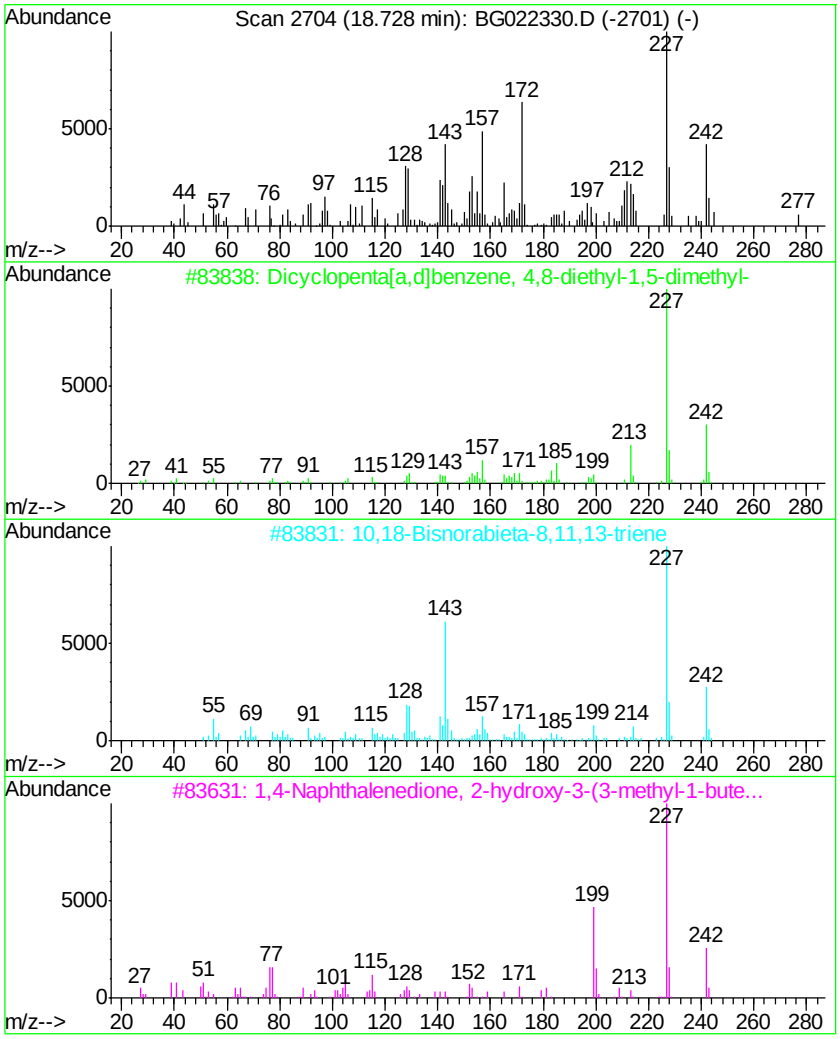
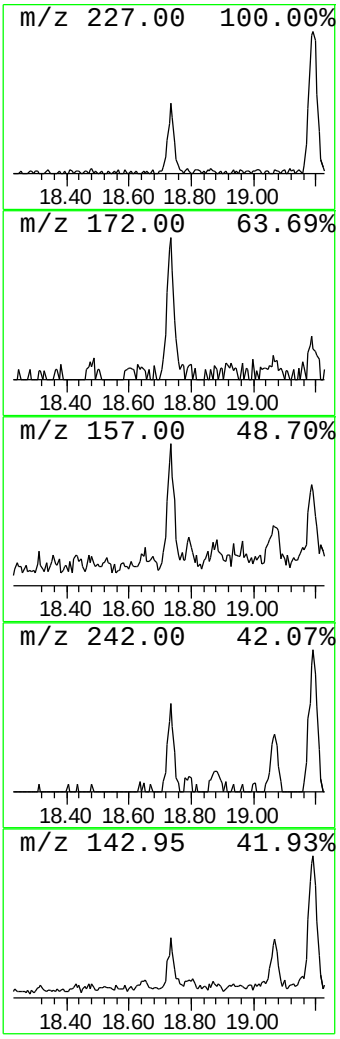
Peak Number 13 unknown18.73 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	2.64 ng	60837	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	46
2	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	43
3	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	004042-39-1	30
4	2H-Naphtho[2,3-b]pyran-5,10-dion...	242	C15H14O3	004707-33-9	27
5	2-(4'-Hydroxyphenyl)-2-(4'-metho...	242	C16H18O2	016530-58-8	22





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ClientSampleId : S7-B4(6-12)C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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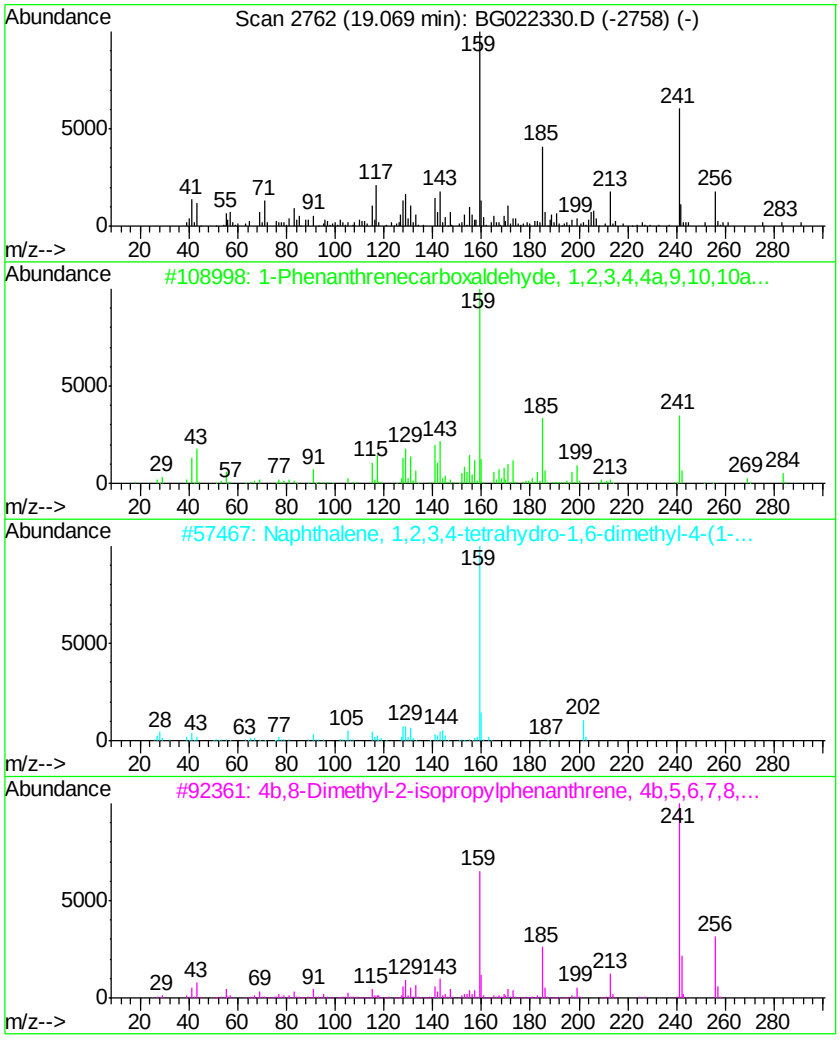
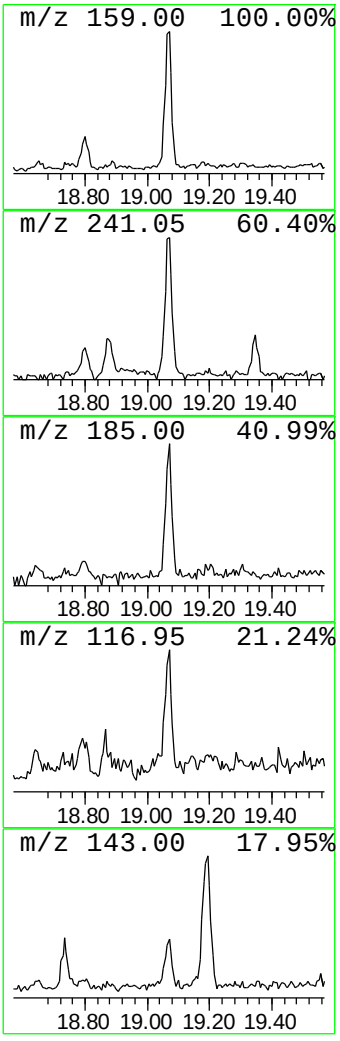
Peak Number 14 1-Phenanthrenecarboxaldehyd... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	4.76 ng	109512	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxaldehyde, 1,...	284	C20H28O	024035-50-5	80
2	Naphthalene, 1,2,3,4-tetrahydro-...	202	C15H22	000483-77-2	38
3	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	30
4	3-Chlorobicyclo(2.2.1)heptan-2-o...	159	C7H10ClNO	010499-35-1	30
5	Cyclohexanecarboxylic acid, 1-ph...	204	C13H16O2	001135-67-7	27





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Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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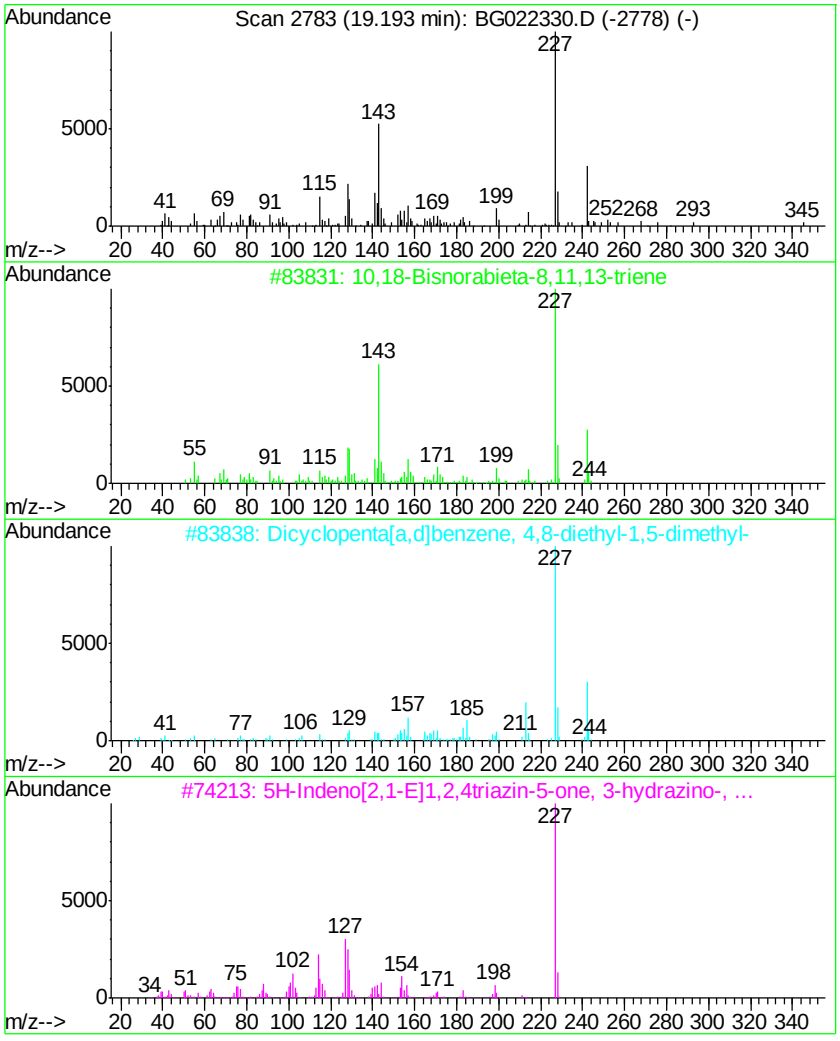
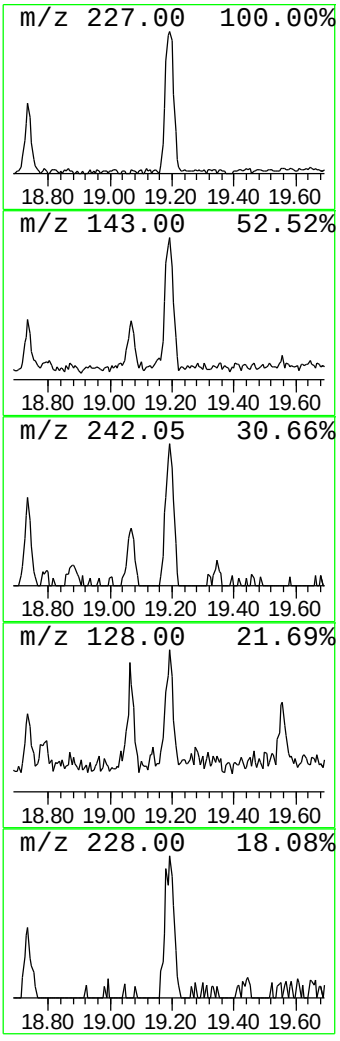
Peak Number 15 10,18-Bisnorabieta-8,11,13-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	3.28 ng	75461	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	93
2	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	60
3	5H-Indeno[2,1-E]1,2,4triazin-5-o...	227	C10H9N7	1000271-75-1	47
4	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	46
5	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	000084-79-7	43





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ClientSampleId : S7-B4(6-12)C

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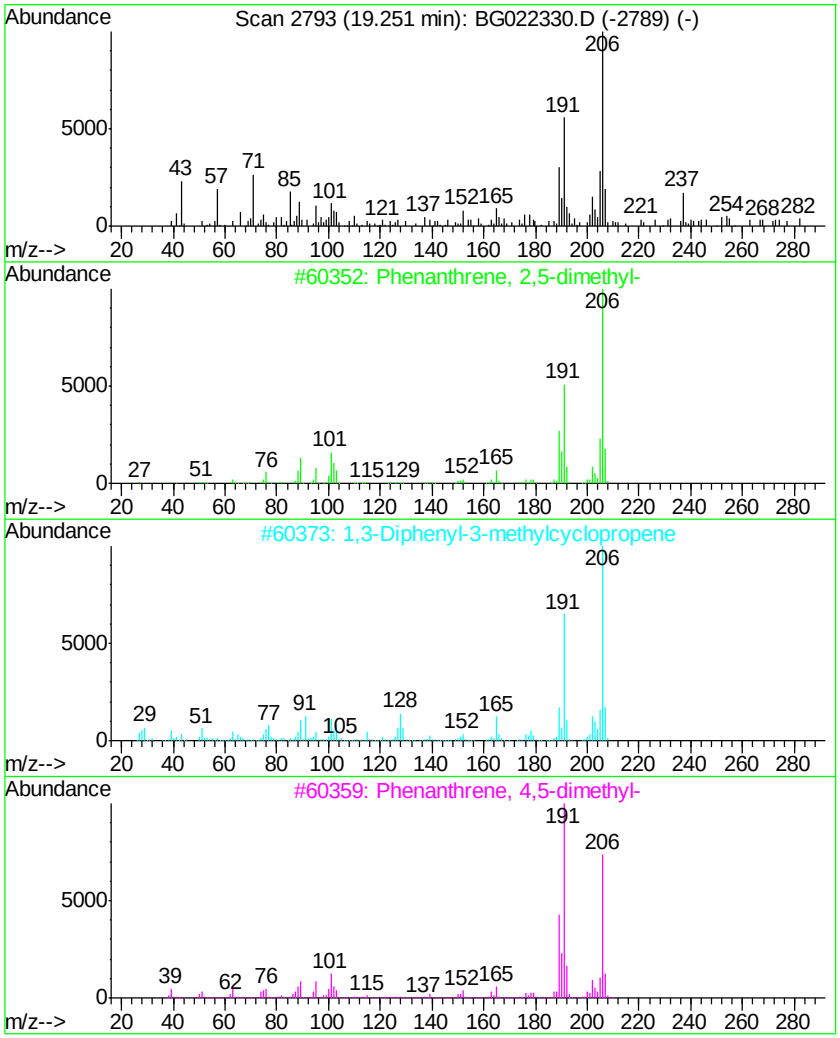
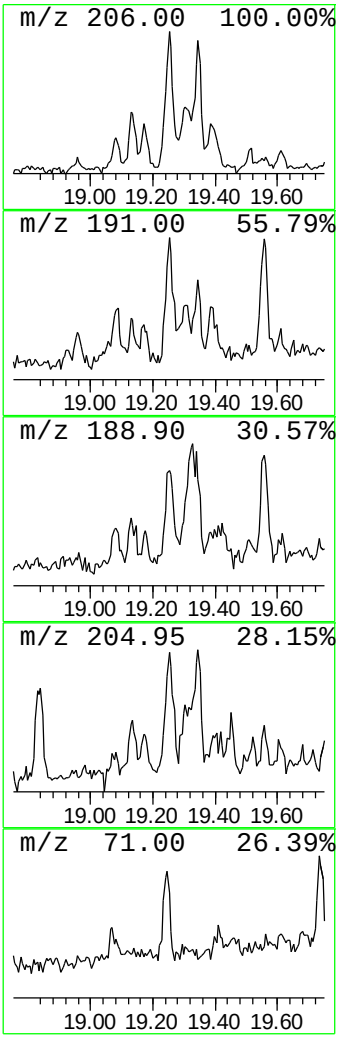
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	2.74 ng	62942	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	95
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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ClientSampleId : S7-B4(6-12)C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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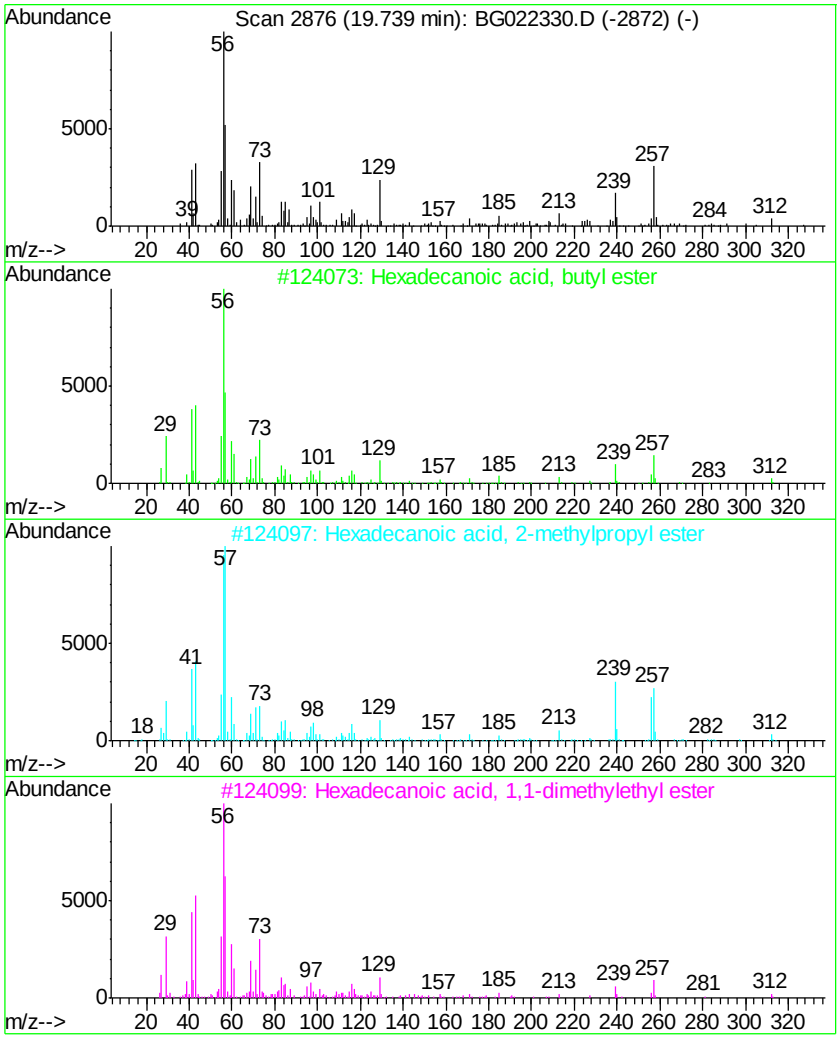
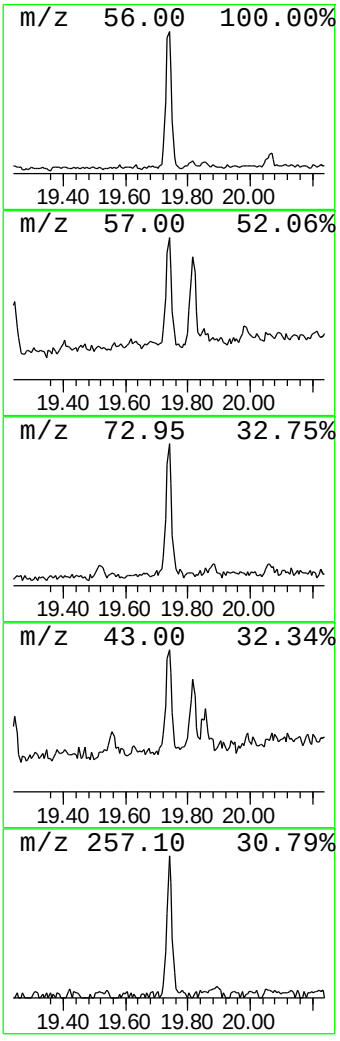
Peak Number 17 Hexadecanoic acid, butyl ester Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	3.85 ng	186149	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	94
2	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	93
3	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	86
4	n-Butyl myristate	284	C18H36O2	000110-36-1	64
5	Nipecotic acid	129	C6H11NO2	000498-95-3	50





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ClientSampleId : S7-B4(6-12)C

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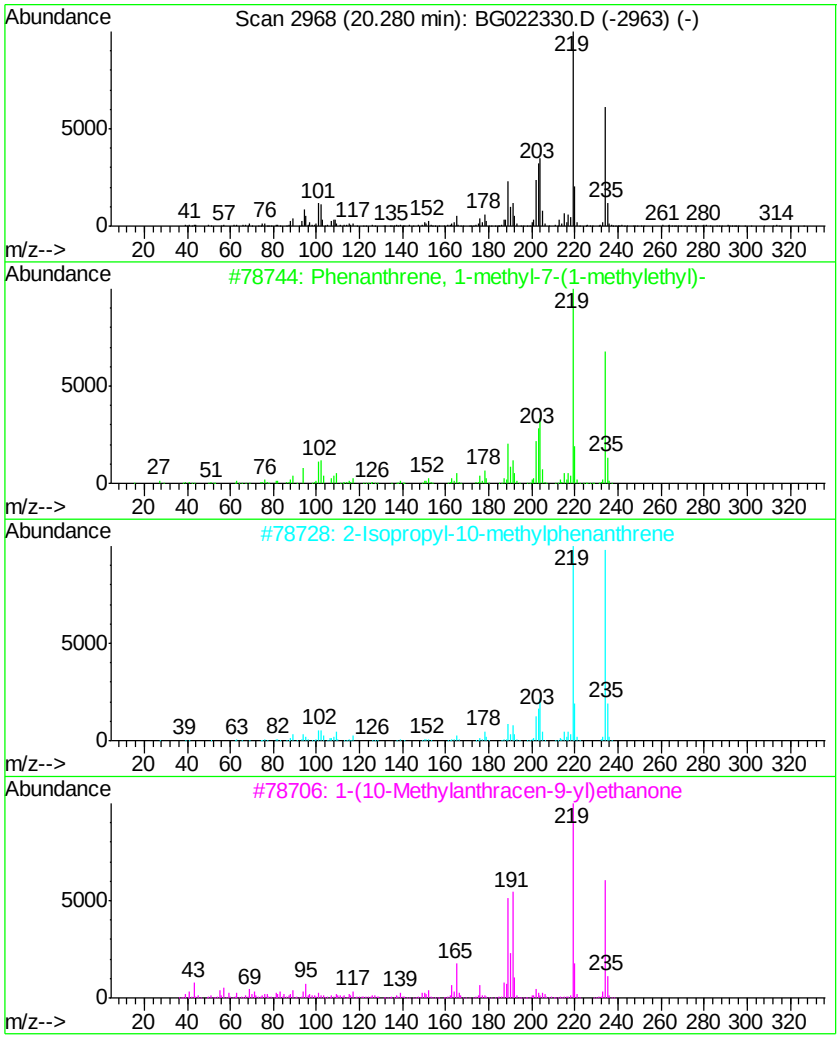
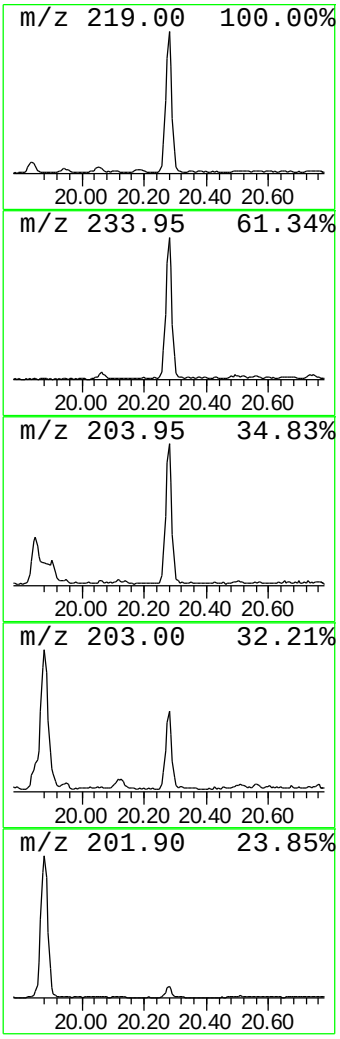
Peak Number 18 Phenanthrene, 1-methyl-7-(1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.28	8.49 ng	410555	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	1-(10-Methylanthracen-9-yl)ethanone	234	C17H14O	036778-18-4	62
4	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	47
5	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	47





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ClientSampleId : S7-B4(6-12)C

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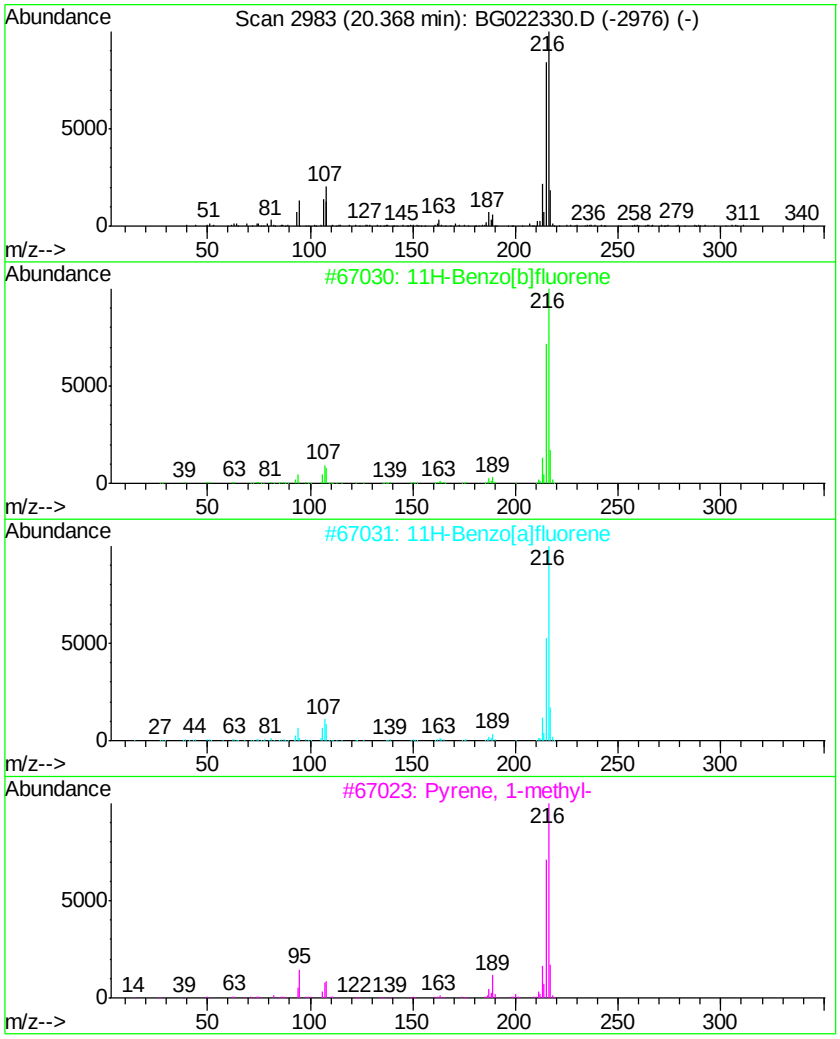
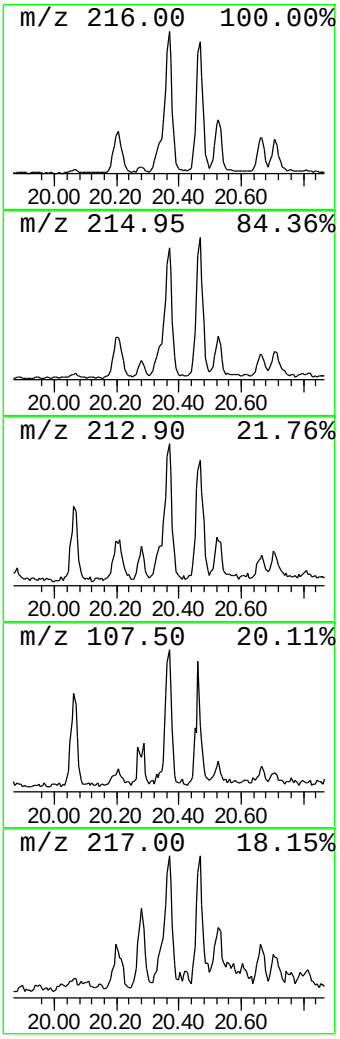
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	5.58 ng	269634	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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

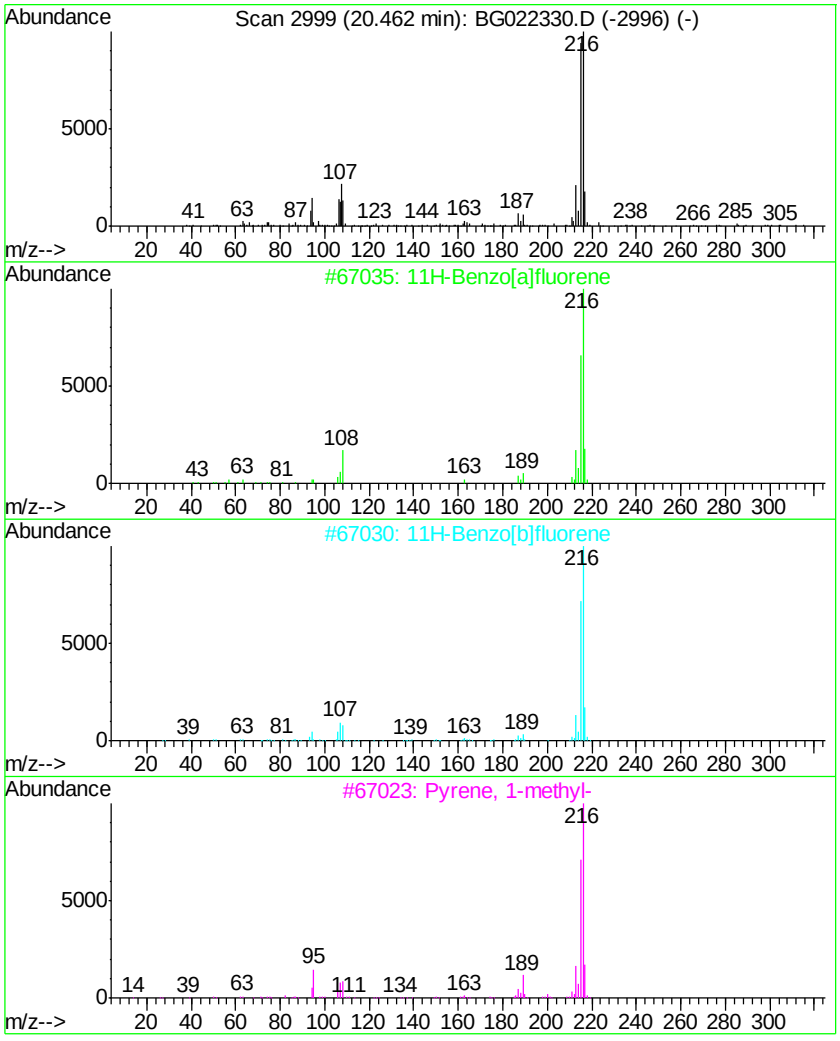
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

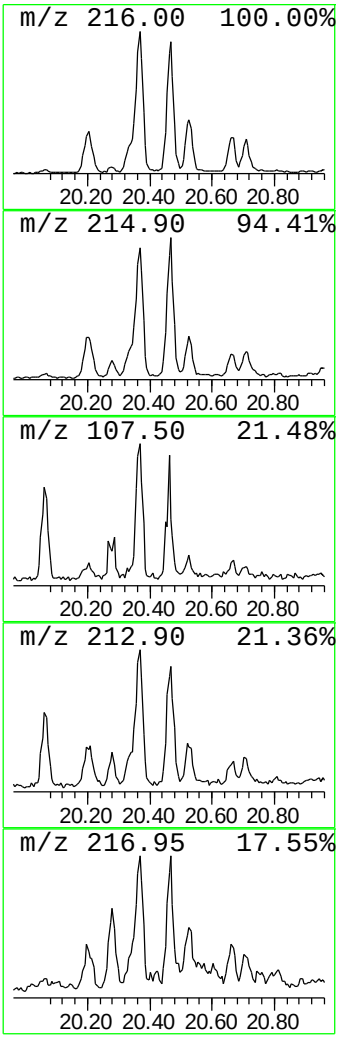
****

Peak Number 20 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.46	2.62 ng	126444	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061316\
Data File : BG022330.D
Acq On : 13 Jun 2016 18:57
Operator : UM/SJ
Sample : H3474-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S7-B4(6-12)C

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
unknown2.94	2.94	140.4	ng	1282850	1	8.09	182798	20.0
unknown5.15	5.15	7.0	ng	63552	1	8.09	182798	20.0
Cyclohexane, (1-m...	6.70	2.9	ng	26888	1	8.09	182798	20.0
unknown7.62	7.62	102.8	ng	939821	1	8.09	182798	20.0
unknown9.19	9.19	5.2	ng	47814	1	8.09	182798	20.0
Dodecane, 2,6,11-...	11.90	2.4	ng	41404	2	10.91	351353	20.0
Hexadecane	14.59	2.3	ng	48068	3	14.72	421732	20.0
Eicosane	15.54	2.6	ng	55756	3	14.72	421732	20.0
Anthracene, 2-met...	18.39	2.7	ng	62993	4	17.47	460053	20.0
4H-Cyclopenta[def...	18.54	4.9	ng	112516	4	17.47	460053	20.0
unknown18.73	18.73	2.6	ng	60837	4	17.47	460053	20.0
1-Phenanthrenecar...	19.07	4.8	ng	109512	4	17.47	460053	20.0
10,18-Bisnorabiet...	19.19	3.3	ng	75461	4	17.47	460053	20.0
Phenanthrene, 2,5...	19.25	2.7	ng	62942	4	17.47	460053	20.0
Hexadecanoic acid...	19.74	3.9	ng	186149	5	21.74	966635	20.0
Phenanthrene, 1-m...	20.28	8.5	ng	410555	5	21.74	966635	20.0
11H-Benzo[b]fluorene	20.37	5.6	ng	269634	5	21.74	966635	20.0
11H-Benzo[a]fluorene	20.46	2.6	ng	126444	5	21.74	966635	20.0