LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080620.D
Acq On : 24 Jul 2015 5:24
Operator : TP/UM
Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

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_F\METHODS\8270-BF072315.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	5.104	262	264	270	rVB	110460	108054	9.18%	0.912%
2	5.527	298	301	303	rVB	50134	54632	4.64%	0.461%
3	6.556	389	391	393	rBV	241459	189848	16.14%	1.603%
4	6.704	402	404	406	rVB	142186	116481	9.90%	0.983%
5	6.944	423	425	428	rBV	305741	263264	22.38%	2.223%
6	7.082	434	437	438	rBV	165881	153703	13.06%	1.298%
7	7.104	438	439	441	rVB	193719	135869	11.55%	1.147%
8	7.505	472	474	476	rVB	157384	120757	10.26%	1.019%
9	8.236	536	538	539	rBV	432991	340244	28.92%	2.872%
10	8.259	539	540	542	rVB	45768	31961	2.72%	0.270%
11	8.956	599	601	602	rVB	11505	15073	1.28%	0.127%
12	9.048	607	609	614	rVV2	13580	12805	1.09%	0.108%
13	9.310	630	632	635	rBV	262935	219621	18.67%	1.854%
14	9.402	638	640	644	rVB	11038	20693	1.76%	0.175%
15	9.653	659	662	663	rBV	15176	13984	1.19%	0.118%
16	9.710	665	667	669	rVB	21276	24550	2.09%	0.207%
17	9.928	684	686	688	rBV	16180	12497	1.06%	0.106%
18	9.996	689	692	693	rVV	411797	351378	29.87%	2.966%
19	10.030	693	695	696	rVB	80283	79966	6.80%	0.675%
20	10.202	708	710	712	rBV	38436	42970	3.65%	0.363%
21	10.431	726	730	731	rBV	20107	23834	2.03%	0.201%
22	10.545	738	740	742	rBV	65420	65820	5.59%	0.556%
23	10.648	746	749	752	rVV3	10310	23294	1.98%	0.197%
24	10.785	758	761	762	rBV	10839	14755	1.25%	0.125%
25	10.899	769	771	774	rBV	30330	44810	3.81%	0.378%
26	11.093	784	788	789	rBV	14650	22173	1.88%	0.187%
27	11.242	798	801	802	rBV3	10040	18884	1.61%	0.159%
28	11.288	802	805	807	rVB	14949	21060	1.79%	0.178%
29	11.345	807	810	812	rBV2	32899	53593	4.56%	0.452%
30	11.379	812	813	816	rVB	48619	43569	3.70%	0.368%
31	11.482	820	822	823	rBV	449437	420871	35.77%	3.553%
32	11.505	823	824	826	rVV	701855	516442	43.90%	4.360%
33	11.551	826	828	830	rVV	113960	151388	12.87%	1.278%
34	11.585	830	831	833	rVV	16193	16055	1.36%	0.136%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080620.D
Acq On : 24 Jul 2015 5:24
Operator : TP/UM
Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

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_F\METHODS\8270-BF072315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.711	839	842	843	rBV	76938	82338	7.00%	0.695%
36	11.779	846	848	850	rVV	50790	41142	3.50%	0.347%
37	11.939	860	862	864	rBV3	6570	13650	1.16%	0.115%
38	11.985	864	866	867	rVV	60199	53479	4.55%	0.451%
39	12.008	867	868	870	rVV	71447	74046	6.29%	0.625%
40	12.054	870	872	874	rVV2	19885	31581	2.68%	0.267%
41	12.099	874	876	880	rVB2	112546	159415	13.55%	1.346%
42	12.156	880	881	882	rBV	9962	12530	1.07%	0.106%
43	12.191	882	884	885	rVB	41491	31165	2.65%	0.263%
44	12.282	890	892	896	rVV2	50173	81058	6.89%	0.684%
45	12.431	902	905	907	rBV3	18221	29264	2.49%	0.247%
46	12.476	907	909	913	rBV4	14516	34712	2.95%	0.293%
47	12.545	913	915	916	rBV	29328	40578	3.45%	0.343%
48	12.579	916	918	920	rBV	45733	58962	5.01%	0.498%
49	12.625	920	922	925	rVB	28993	31958	2.72%	0.270%
50	12.705	926	929	931	rBV	911349	771269	65.56%	6.511%
51	12.762	931	934	936	rVB2	15795	32048	2.72%	0.271%
52	12.865	938	943	946	rBV3	25044	56267	4.78%	0.475%
53	12.945	946	950	951	rBV2	453137	751359	63.87%	6.343%
54	12.968	951	952	953	rVB	55041	38799	3.30%	0.328%
55	13.094	958	963	966	rBV2	323809	411055	34.94%	3.470%
56	13.174	966	970	971	rBV2	37797	76901	6.54%	0.649%
57	13.288	977	980	981	rVB	83148	112834	9.59%	0.953%
58	13.357	983	986	987	rBV2	94258	112791	9.59%	0.952%
59	13.391	987	989	991	rBV	70191	91002	7.74%	0.768%
60	13.494	996	998	999	rVV2	30245	38318	3.26%	0.323%
61	13.528	999	1001	1003	rVB2	29352	27499	2.34%	0.232%
62	13.597	1006	1007	1012	rVB	64807	99976	8.50%	0.844%
63	13.722	1015	1018	1019	rBV2	43391	69828	5.94%	0.590%
64	13.825	1025	1027	1030	rBV	40901	70132	5.96%	0.592%
65	13.951	1036	1038	1040	rBV2	64896	104110	8.85%	0.879%
66	14.054	1046	1047	1049	rBV2	35847	63018	5.36%	0.532%
67	14.237	1060	1063	1065	rBV2	752861	1176468	100.00%	9.932%
68	14.271	1065	1066	1068	rVB	243984	168335	14.31%	1.421%
69	14.362	1071	1074	1076	rBV	54849	89015	7.57%	0.751%
70	14.454	1080	1082	1083	rBV	82663	81830	6.96%	0.691%
71	14.682	1100	1102	1104	rVB	42885	62058	5.27%	0.524%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080620.D
Acq On : 24 Jul 2015 5:24
Operator : TP/UM
Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

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_F\METHODS\8270-BF072315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.728	1104	1106	1109	rBV2	44676	82231	6.99%	0.694%
73	14.831	1110	1115	1116	rBV3	70464	189005	16.07%	1.596%
74	14.980	1126	1128	1130	rBV	90059	139930	11.89%	1.181%
75	15.425	1164	1167	1172	rBV	291801	662803	56.34%	5.596%
76	15.734	1192	1194	1198	rVB	136885	212647	18.08%	1.795%
77	15.803	1198	1200	1203	rBV	257869	313677	26.66%	2.648%
78	15.871	1203	1206	1212	rVB2	420230	605323	51.45%	5.110%
79	17.380	1335	1338	1344	rVB2	93225	221254	18.81%	1.868%
80	17.826	1374	1377	1382	rVB	75173	169495	14.41%	1.431%
81	20.146	1578	1580	1588	rVB8	70274	223200	18.97%	1.884%

Sum of corrected areas: 11845253

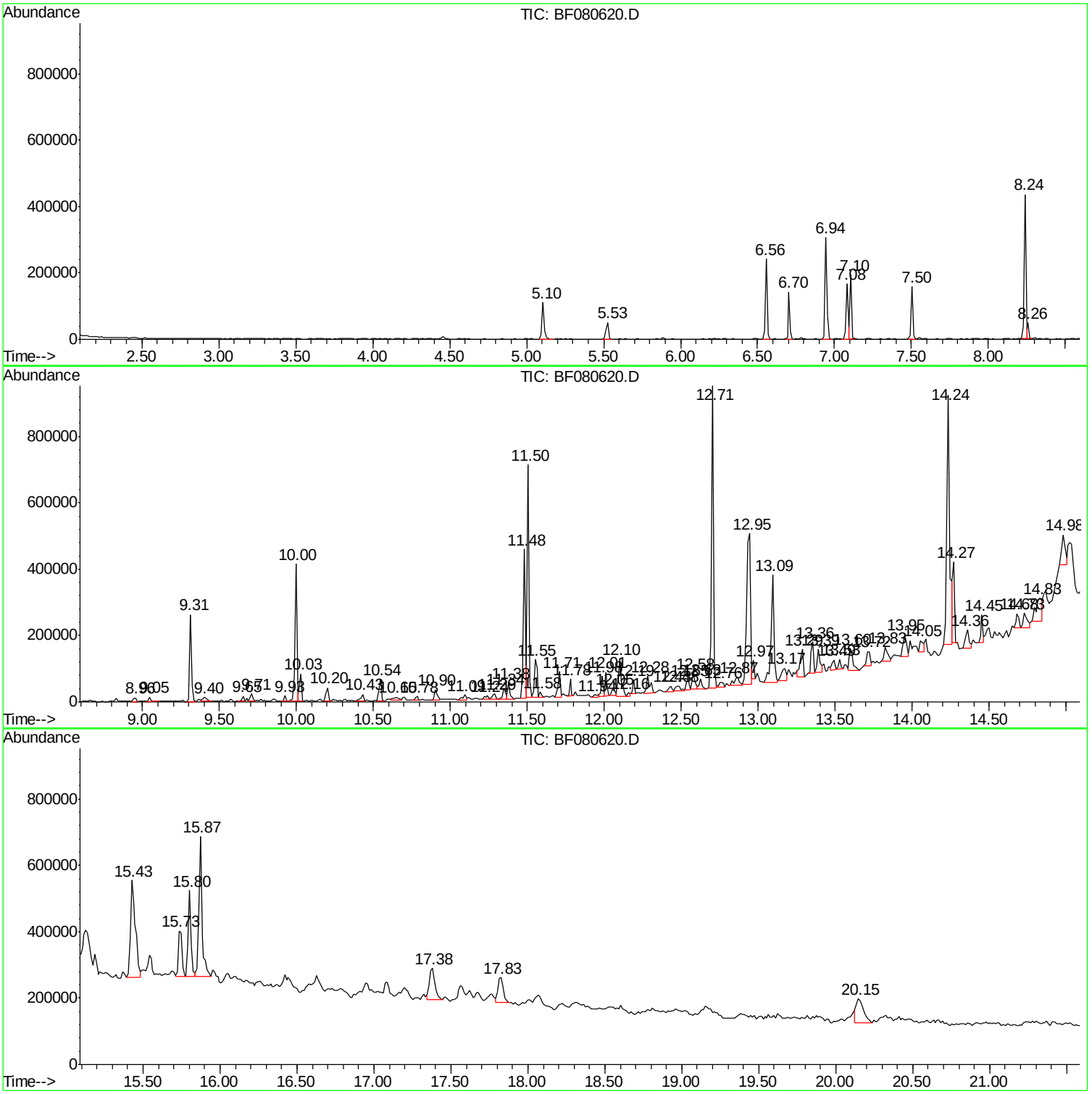
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080620.D
Acq On : 24 Jul 2015 5:24
Operator : TP/UM
Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.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_F\DATA\BF072315\
Data File : BF080620.D
Acq On : 24 Jul 2015 5:24
Operator : TP/UM
Sample : G3057-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

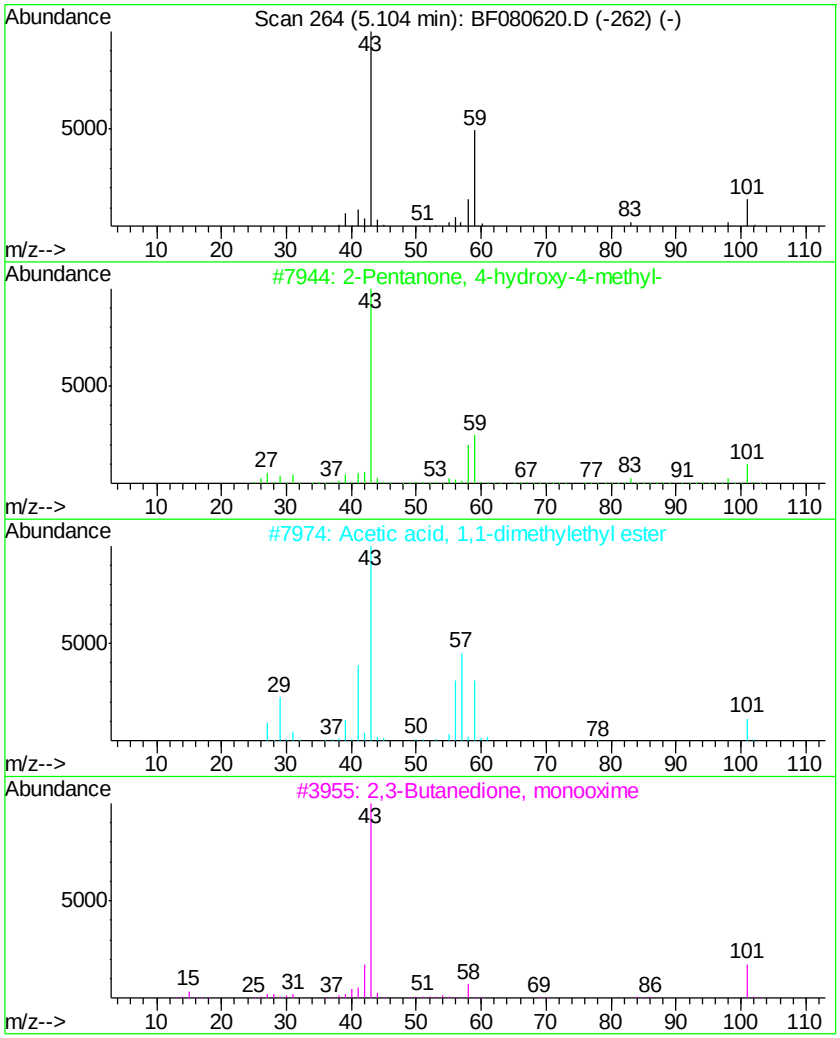
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

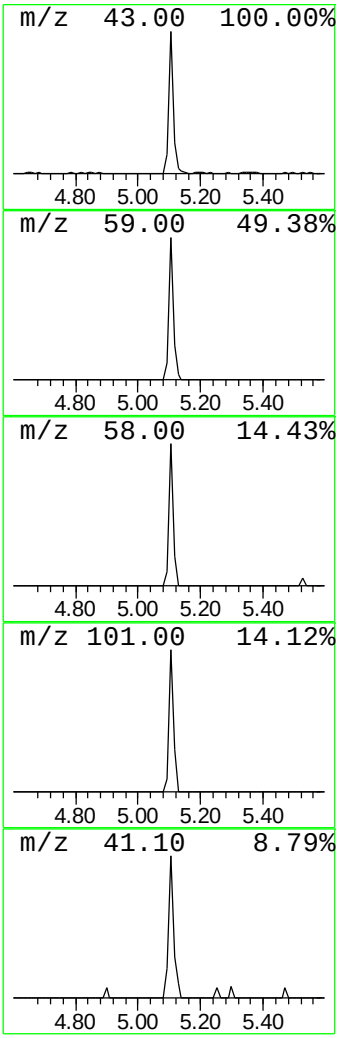
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	8.21 ng	108054	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080620.D
Acq On : 24 Jul 2015 5:24
Operator : TP/UM
Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

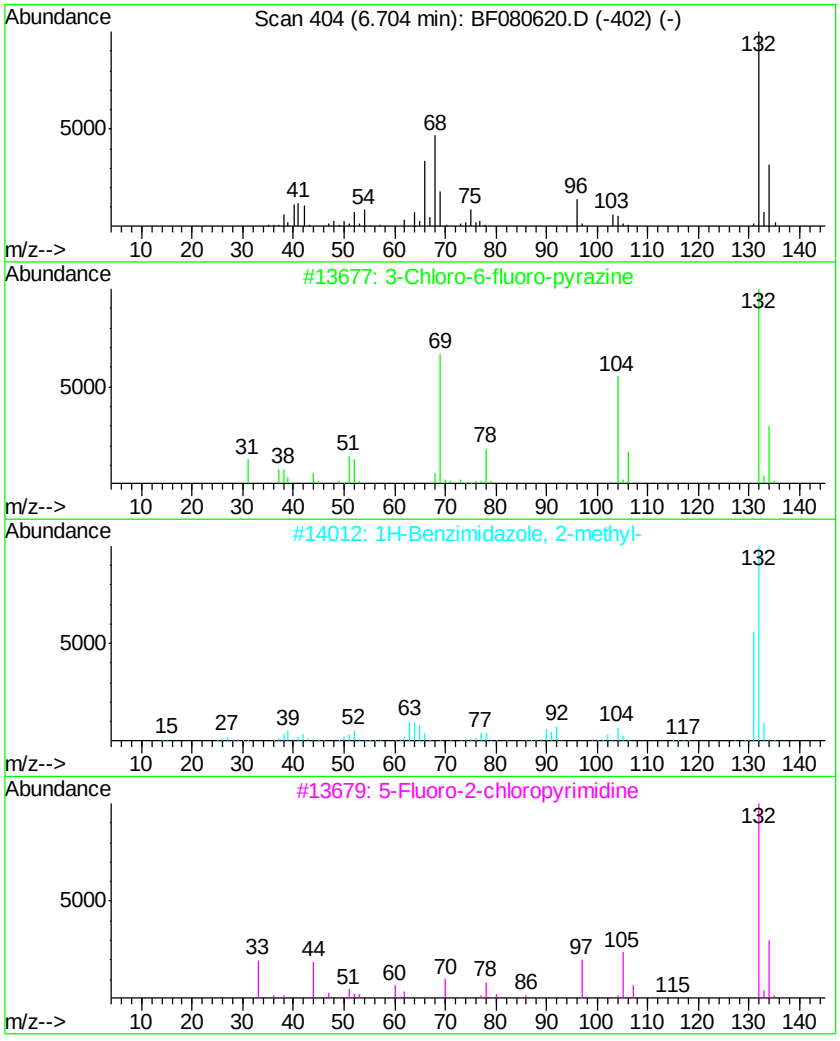
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

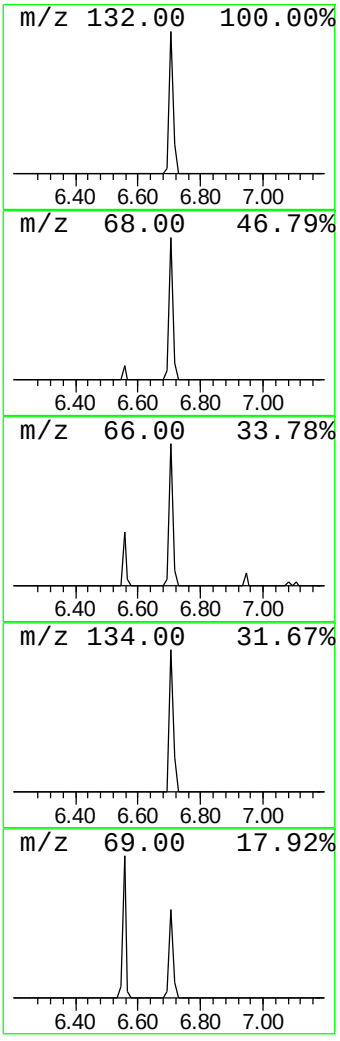
****

Peak Number 2 unknown6.70 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	8.85 ng	116481	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	13
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	12





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080620.D
Acq On : 24 Jul 2015 5:24
Operator : TP/UM
Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

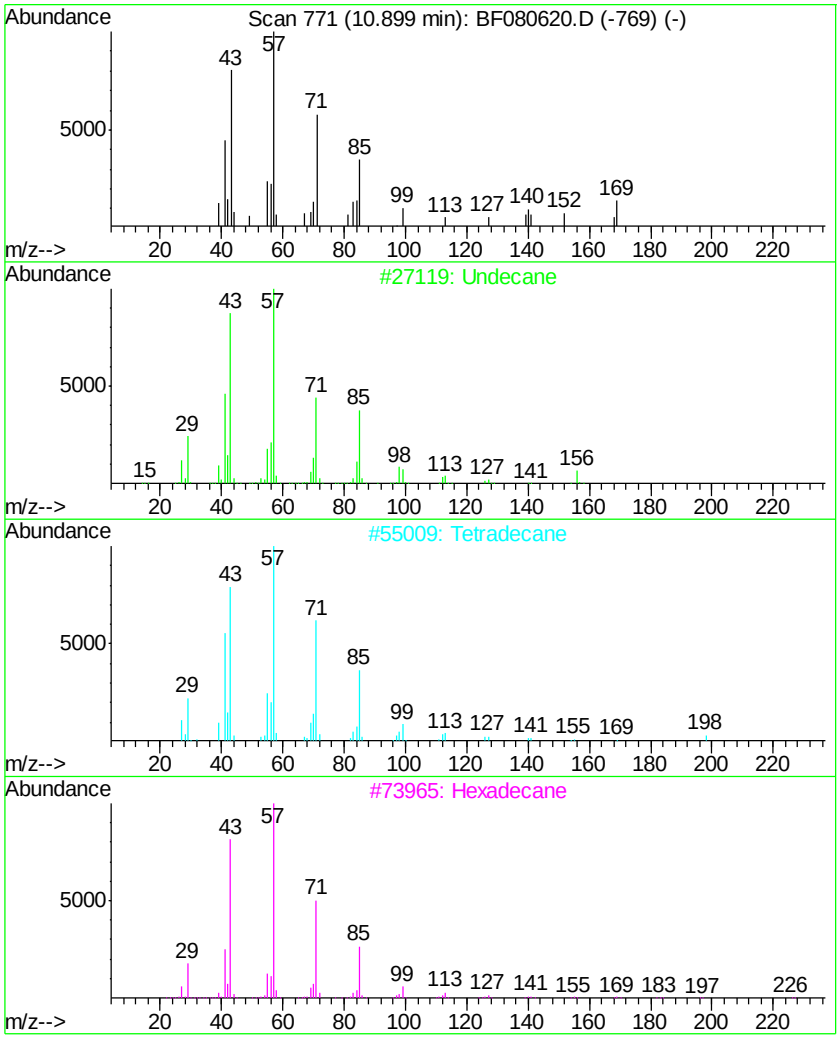
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

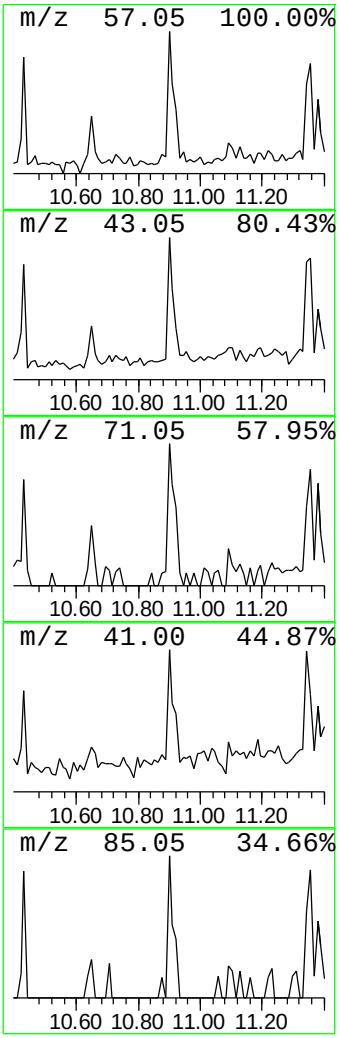
****

Peak Number 3 Undecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	2.13 ng	44810	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	64
2	Tetradecane	198	C14H30	000629-59-4	59
3	Hexadecane	226	C16H34	000544-76-3	53
4	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	53
5	Tridecane	184	C13H28	000629-50-5	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080620.D
Acq On : 24 Jul 2015 5:24
Operator : TP/UM
Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.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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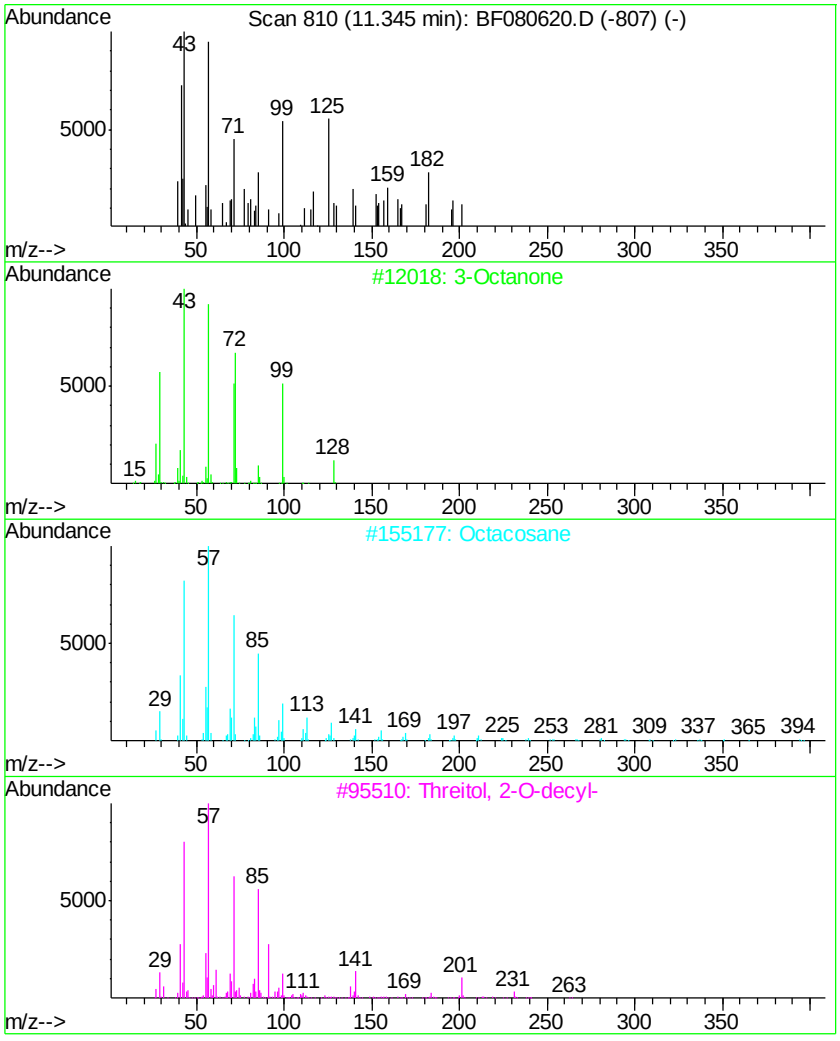
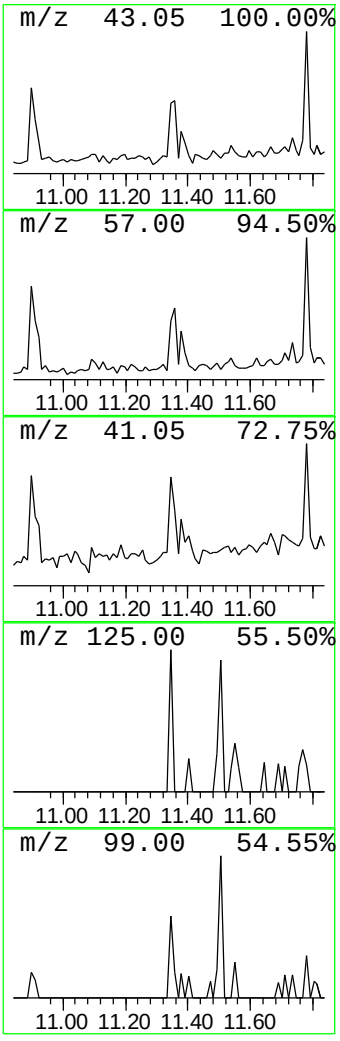
Peak Number 4 unknown11.34 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	2.55 ng	53593	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanone	128	C8H16O	000106-68-3	22
2	Octacosane	394	C28H58	000630-02-4	14
3	Threitol, 2-O-decyl-	262	C14H30O4	1000156-80-6	14
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	14
5	10-Methylnonadecane	282	C20H42	056862-62-5	14





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080620.D
Acq On : 24 Jul 2015 5:24
Operator : TP/UM
Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.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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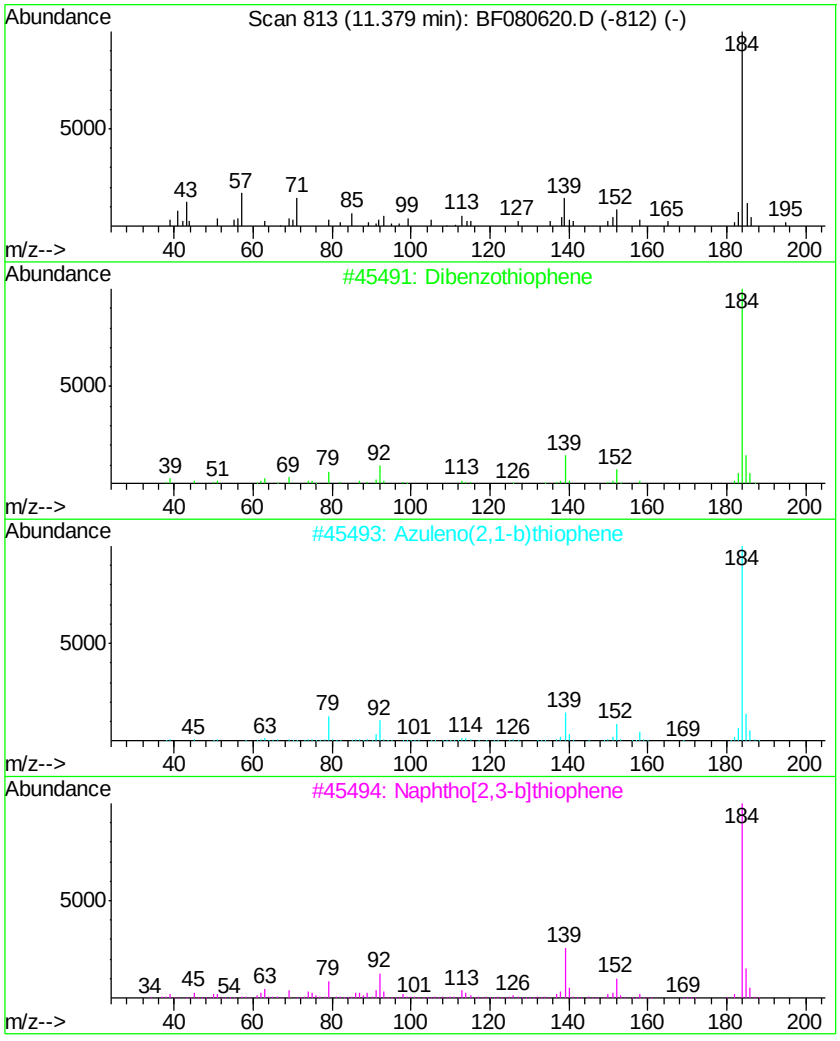
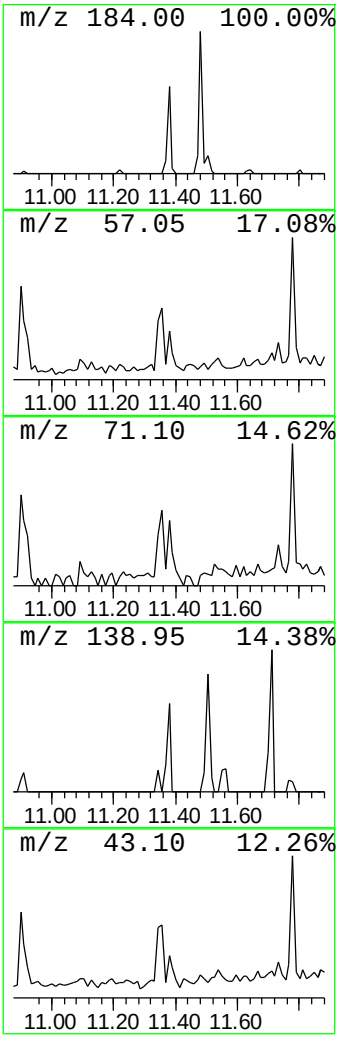
Peak Number 5 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	2.07 ng	43569	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	91
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	78
4	2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	59
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	56





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080620.D
Acq On : 24 Jul 2015 5:24
Operator : TP/UM
Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.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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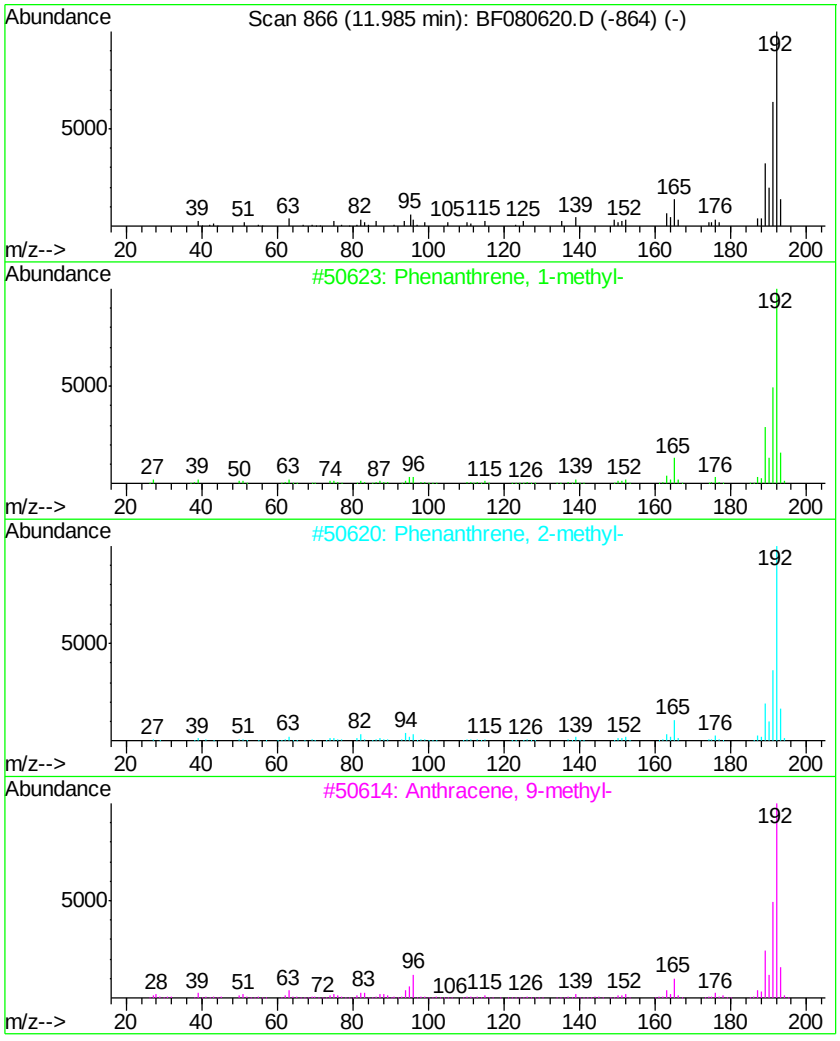
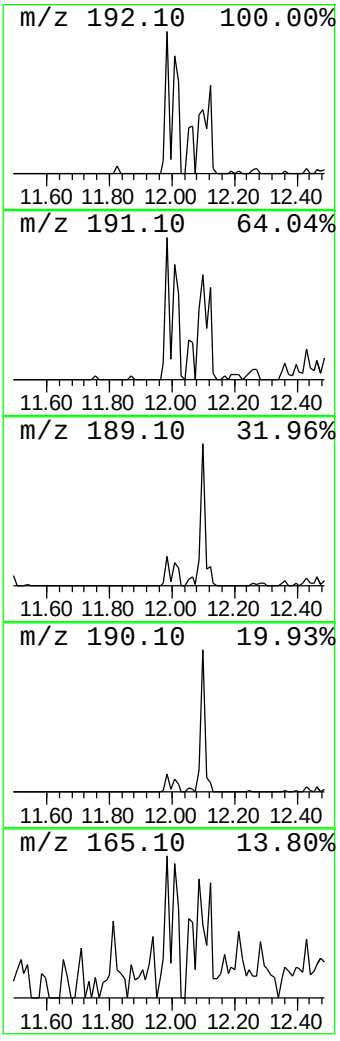
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.54 ng	53479	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080620.D
Acq On : 24 Jul 2015 5:24
Operator : TP/UM
Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.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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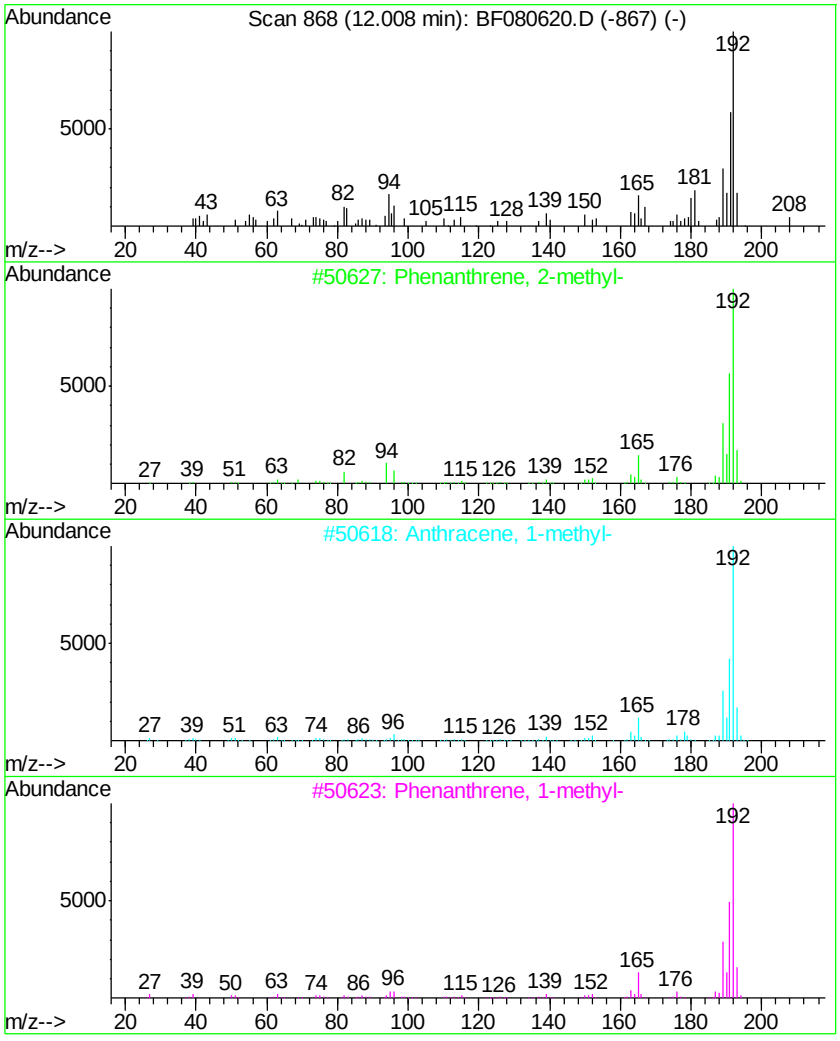
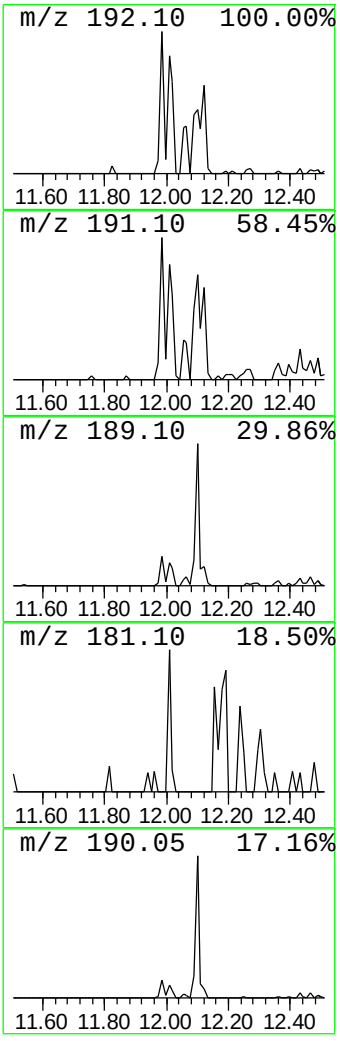
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	3.52 ng	74046	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	83
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70





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Data File : BF080620.D
Acq On : 24 Jul 2015 5:24
Operator : TP/UM
Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.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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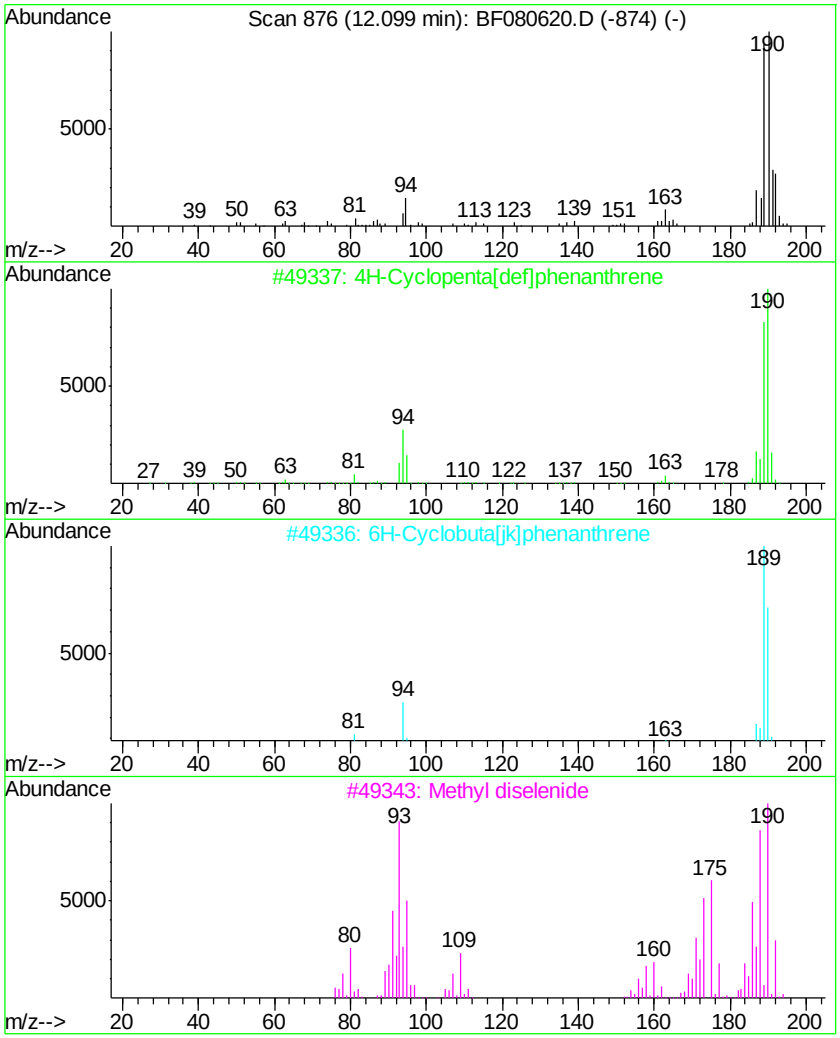
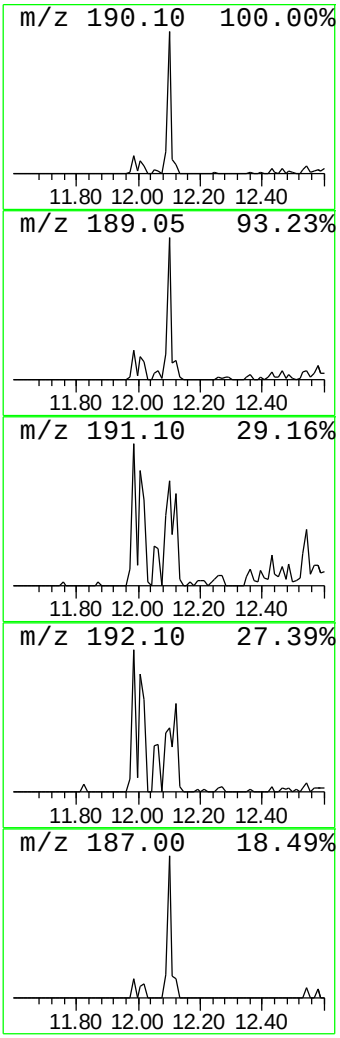
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	7.58 ng	159415	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.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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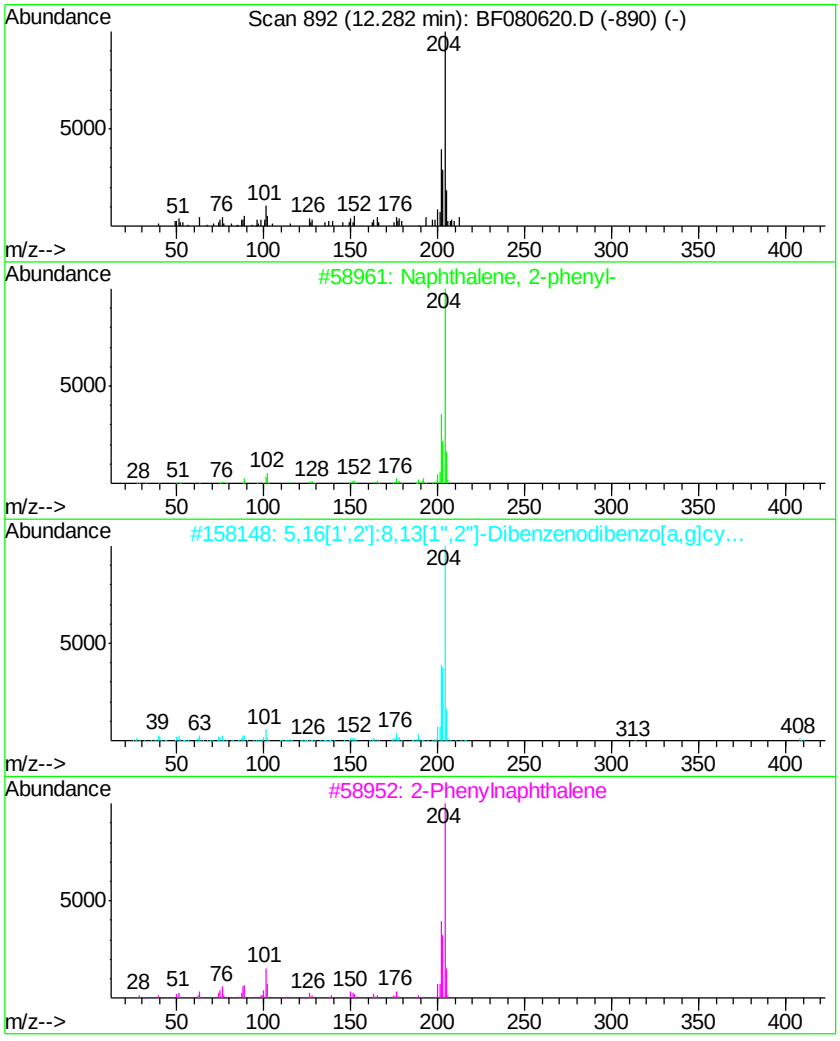
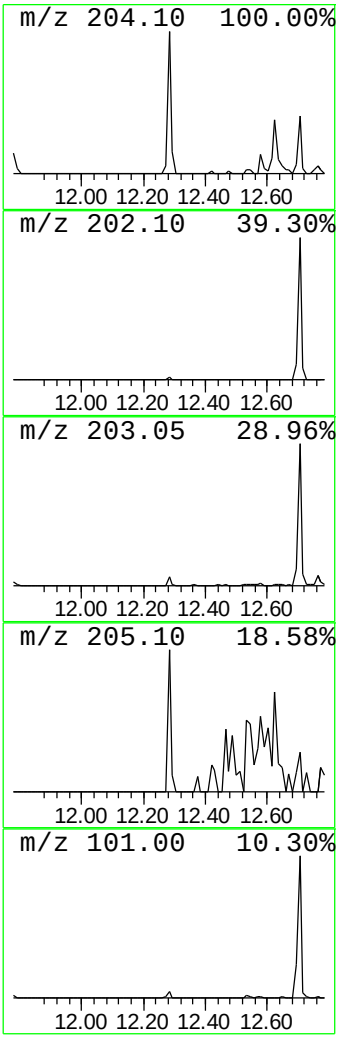
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	3.85 ng	81058	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	55





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Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

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ClientSampleId : FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
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TIC Library : C:\DATABASE\NIST02.L
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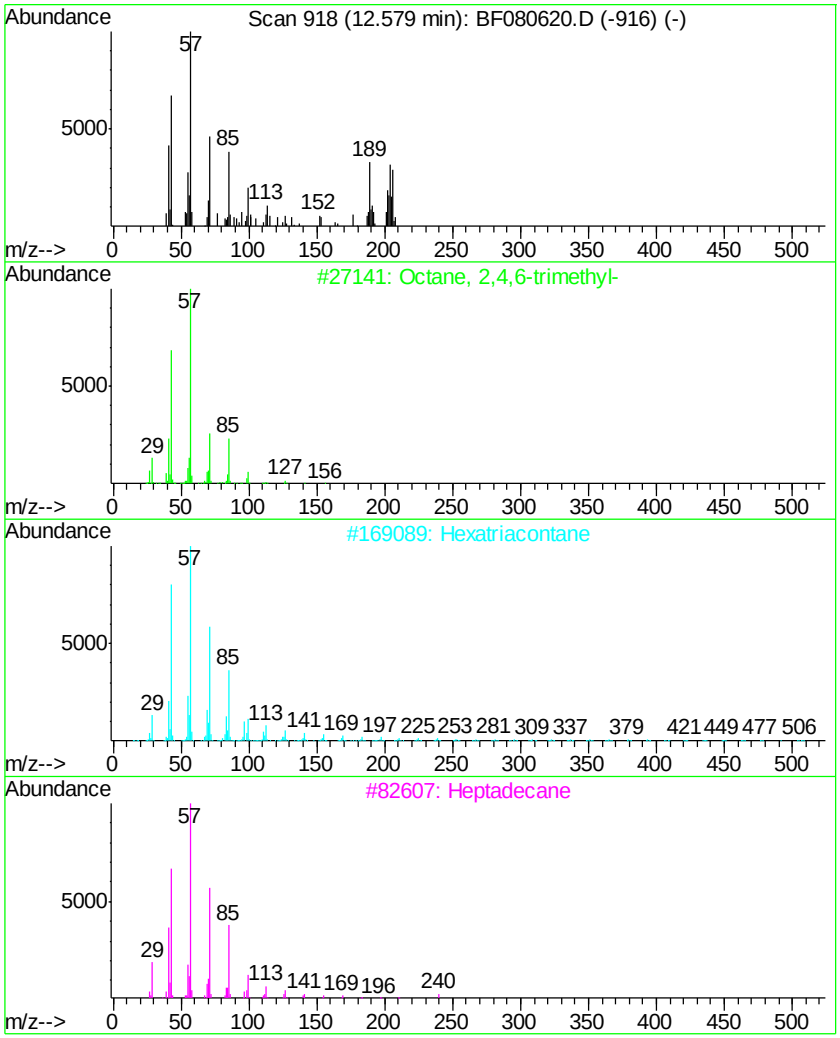
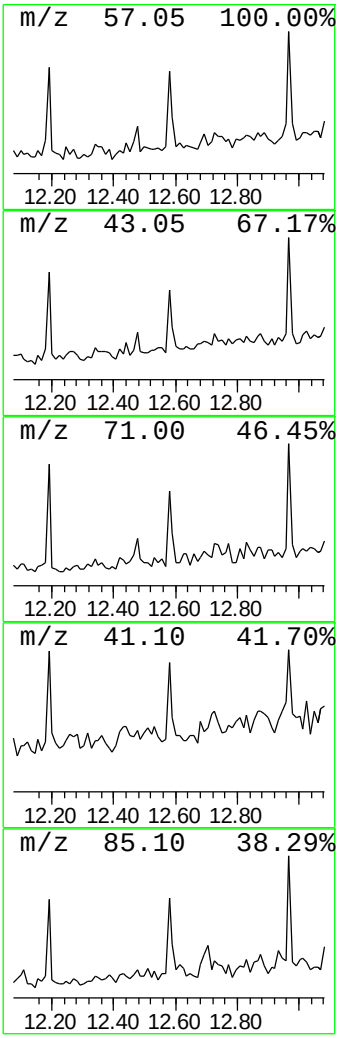
Peak Number 10 unknown12.58 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	2.80 ng	58962	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	35
2	Hexatriacontane	507	C36H74	000630-06-8	35
3	Heptadecane	240	C17H36	000629-78-7	35
4	Heptacosane	380	C27H56	000593-49-7	35
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	35





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Acq On : 24 Jul 2015 5:24
Operator : TP/UM
Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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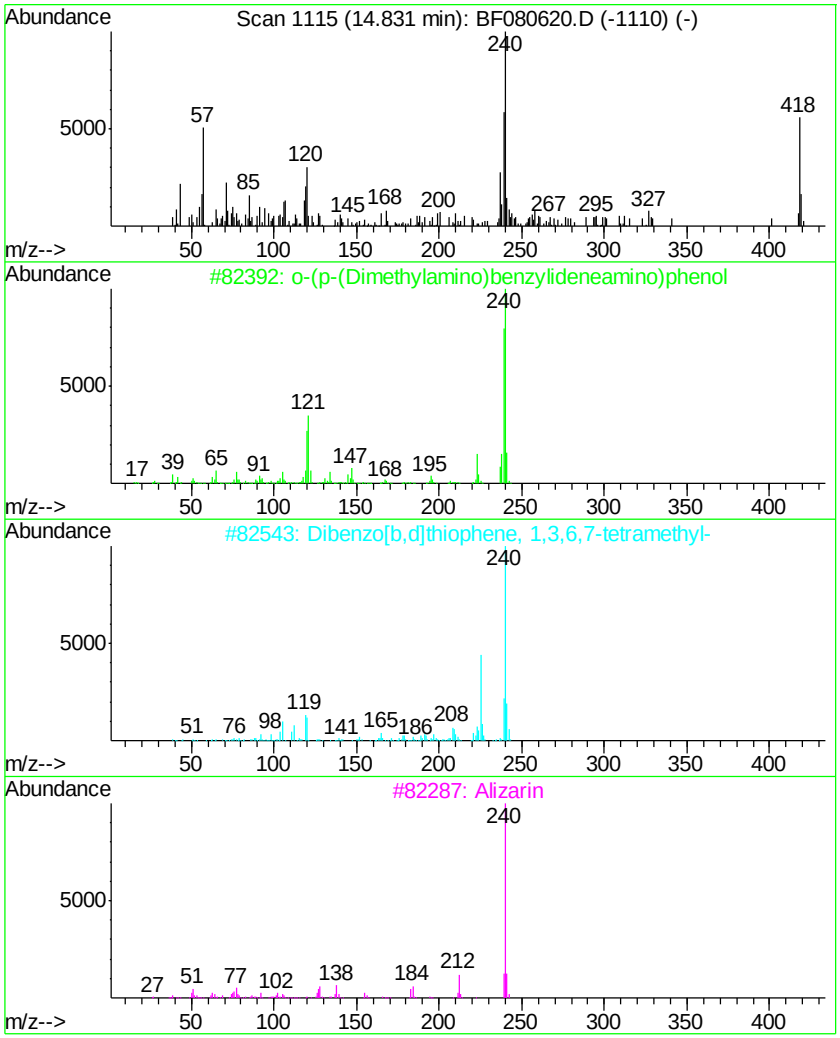
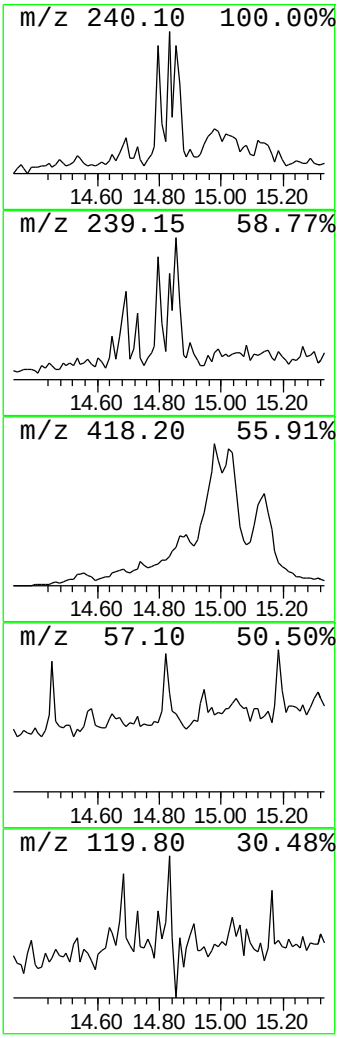
Peak Number 11 unknown14.83 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	3.21 ng	189005	Chrysene-d12	14.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-(p-(Dimethylamino)benzylidenea...	240	C15H16N2O	023837-35-6	47
2	Dibenzo[b,d]thiophene, 1,3,6,7-t...	240	C16H16S	1000266-22-2	38
3	Alizarin	240	C14H8O4	000072-48-0	30
4	[1]Benzothieno[4,5-b][1]benzothi...	240	C14H8S2	055134-02-6	27
5	[1]Benzothieno[3,2-b][1]benzothi...	240	C14H8S2	000248-70-4	27





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Operator : TP/UM
Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
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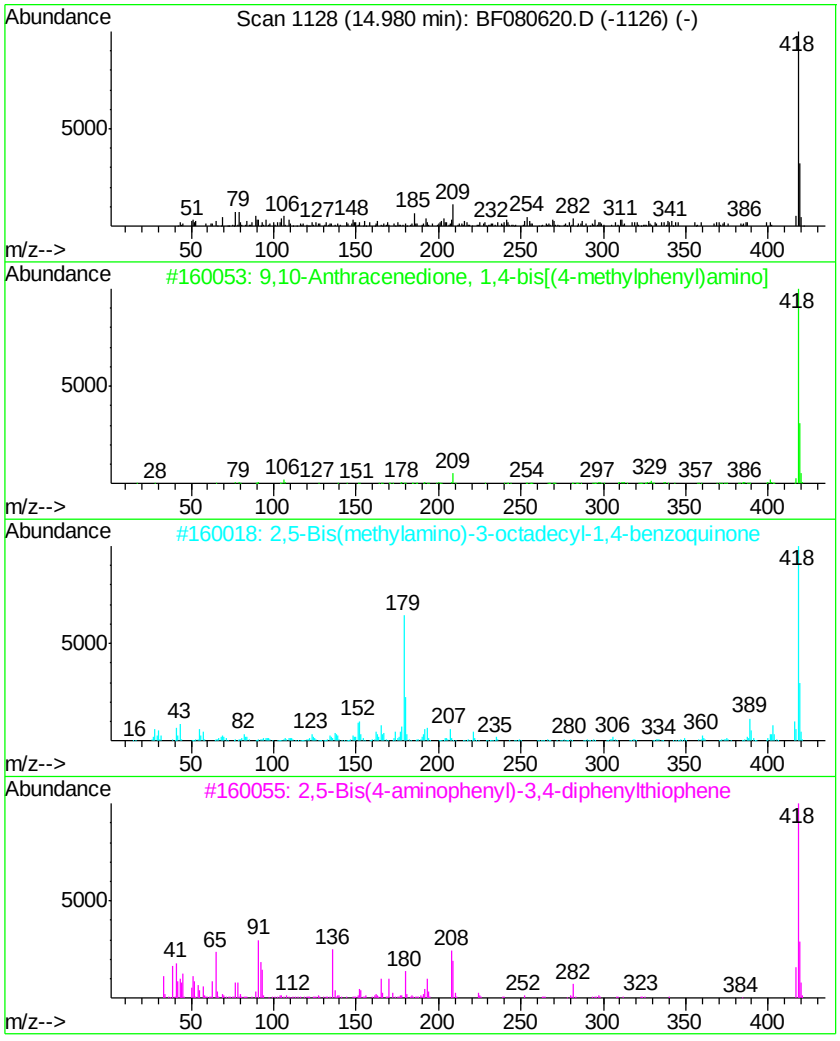
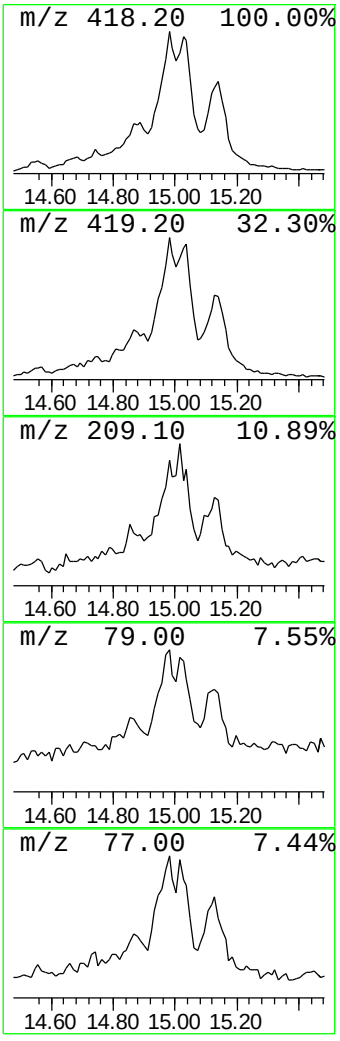
Peak Number 12 9,10-Anthracenedione, 1,4-b... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	2.38 ng	139930	Chrysene-d12	14.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione, 1,4-bis[(4...	418	C28H22N2O2	000128-80-3	72
2	2,5-Bis(methylamino)-3-octadecyl...	418	C26H46N2O2	035175-60-1	59
3	2,5-Bis(4-aminophenyl)-3,4-diphe...	418	C28H22N2S	092996-46-8	12
4	Silane, trimethyl[[(17.beta.)-2,...	418	C24H38O4Si	074298-87-6	9
5	3,3'-Dimethyl-1'-hydroxy-5,8-dim...	418	C24H18O7	104506-03-8	4





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Operator : TP/UM
Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
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TIC Library : C:\DATABASE\NIST02.L
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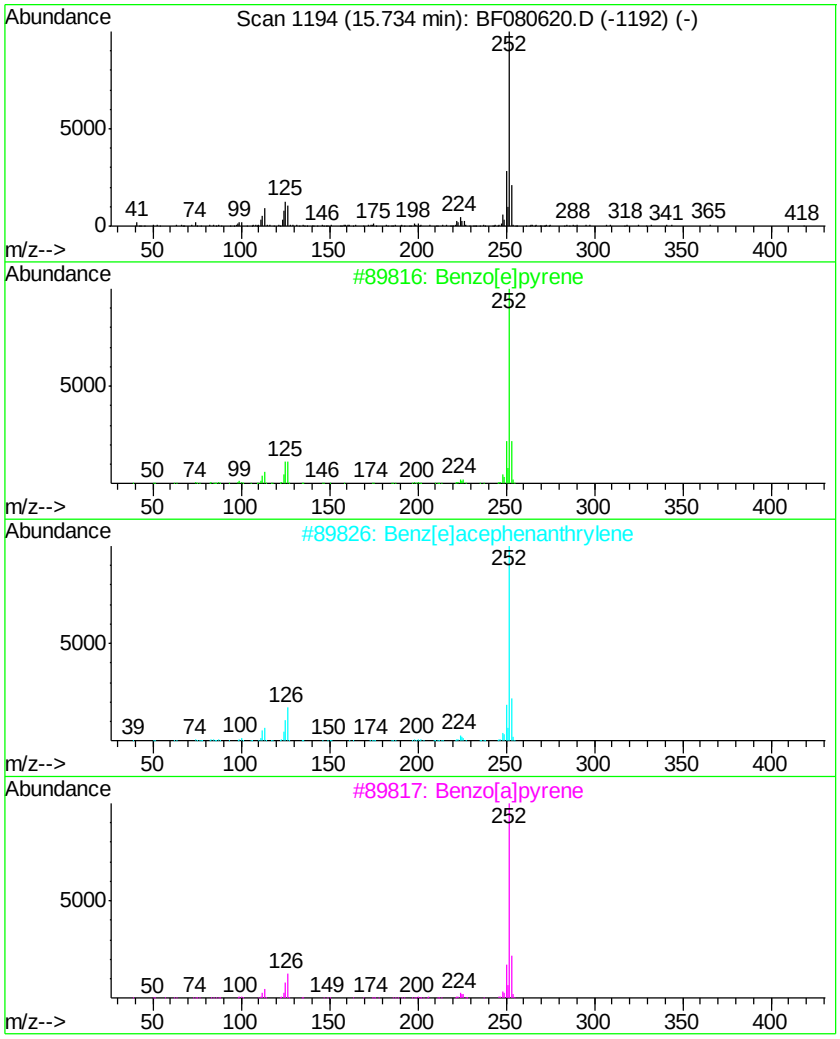
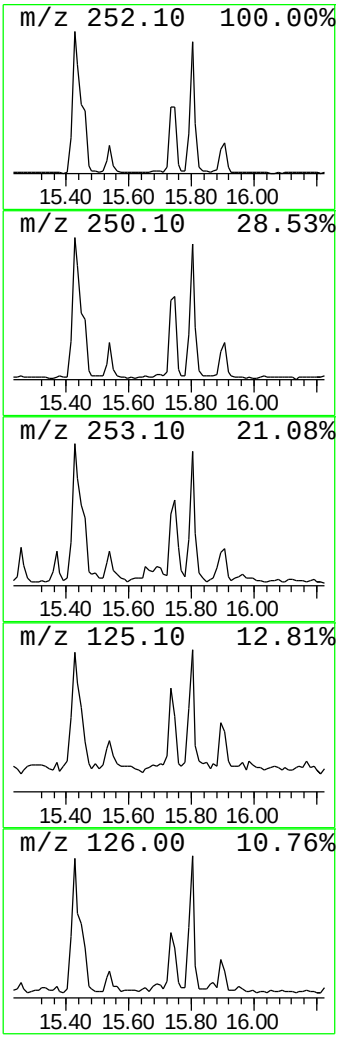
Peak Number 13 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	7.03 ng	212647	Perylene-d12	15.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Perylene	252	C20H12	000198-55-0	81





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Acq On : 24 Jul 2015 5:24
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Sample : G3057-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
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TIC Integration Parameters: LSCINT.P

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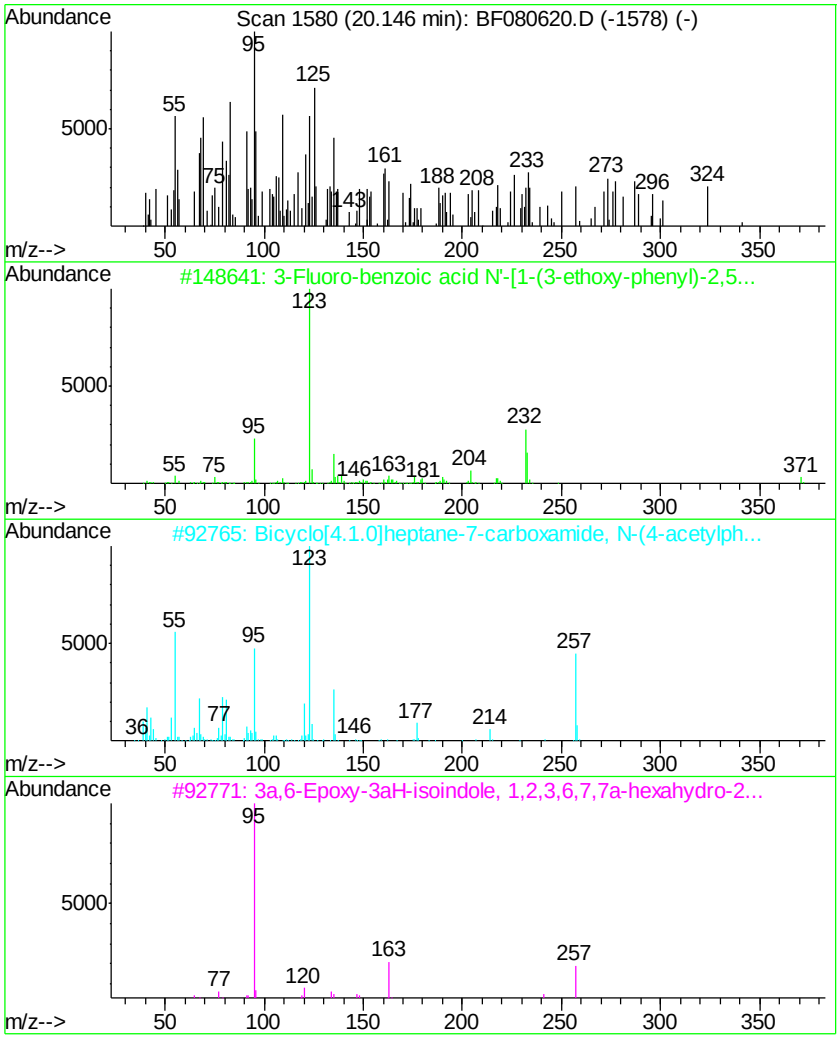
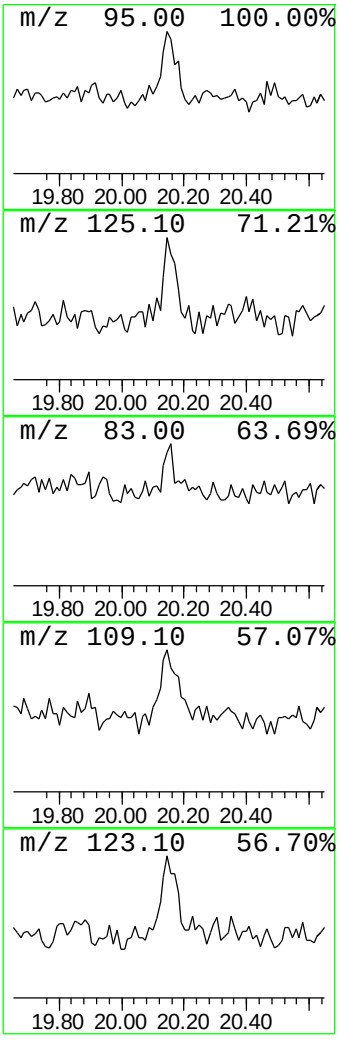
Peak Number 14 unknown20.15 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	7.37 ng	223200	Perylene-d12	15.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Fluoro-benzoic acid N'-[1-(3-e...	371	C19H18FN3O4	1000296-87-3	17
2	Bicyclo[4.1.0]heptane-7-carboxam...	257	C16H19NO2	1000278-06-2	16
3	3a,6-Epoxy-3aH-isoindole, 1,2,3,...	257	C16H19NO2	071840-22-7	14
4	5-(3-Nitro-phenylcarbamoyl)-3H-i...	276	C11H8N4O5	1000286-30-1	12
5	2-Oxabicyclo[2.2.1]heptane-1-car...	292	C17H24O4	1000196-29-9	12





Tentatively Identified Compound (LSC) summary

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Operator : TP/UM
Sample : G3057-01 5X
Misc :
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.10	8.2	ng	108054	1	6.94	263264	20.0
unknown6.70	6.70	8.8	ng	116481	1	6.94	263264	20.0
Undecane	10.90	2.1	ng	44810	4	11.48	420871	20.0
unknown11.34	11.34	2.5	ng	53593	4	11.48	420871	20.0
Dibenzothiophene	11.38	2.1	ng	43569	4	11.48	420871	20.0
Phenanthrene, 1-m...	11.99	2.5	ng	53479	4	11.48	420871	20.0
Phenanthrene, 2-m...	12.01	3.5	ng	74046	4	11.48	420871	20.0
4H-Cyclopenta[def...	12.10	7.6	ng	159415	4	11.48	420871	20.0
Naphthalene, 2-ph...	12.28	3.9	ng	81058	4	11.48	420871	20.0
unknown12.58	12.58	2.8	ng	58962	4	11.48	420871	20.0
unknown14.83	14.83	3.2	ng	189005	5	14.24	1176470	20.0
9,10-Anthracenedi...	14.98	2.4	ng	139930	5	14.24	1176470	20.0
Benzo[e]pyrene	15.73	7.0	ng	212647	6	15.87	605323	20.0
unknown20.15	20.15	7.4	ng	223200	6	15.87	605323	20.0