LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

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-BF072715.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	4.453	205	207	211	rBV	19196	22952	2.25%	0.226%
2	5.093	260	263	266	rBV	592109	600021	58.70%	5.906%
3	5.504	297	299	302	rBV	794532	1022103	100.00%	10.060%
4	5.927	334	336	339	rBV	47525	42609	4.17%	0.419%
5	6.533	387	389	392	rBV	1130623	964904	94.40%	9.497%
6	6.682	400	402	405	rBV	1127330	1006590	98.48%	9.907%
7	6.922	421	423	426	rVB	261413	210117	20.56%	2.068%
8	7.082	434	437	439	rVB	868782	783688	76.67%	7.713%
9	7.482	470	472	474	rBV	791007	623736	61.02%	6.139%
10	8.213	533	536	538	rBV	184638	239287	23.41%	2.355%
11	9.288	627	630	632	rBV	865995	848974	83.06%	8.356%
12	9.676	662	664	666	rVB	234124	177703	17.39%	1.749%
13	9.962	687	689	691	rBV	238570	198593	19.43%	1.955%
14	9.996	691	692	694	rVB	69974	49803	4.87%	0.490%
15	10.168	704	707	709	rBV	27524	23040	2.25%	0.227%
16	10.511	735	737	739	rBV	48234	41609	4.07%	0.410%
17	10.751	755	758	760	rBV	351122	385475	37.71%	3.794%
18	10.876	765	769	771	rBV3	14495	25080	2.45%	0.247%
19	11.059	781	785	786	rBV4	7702	12522	1.23%	0.123%
20	11.208	794	798	799	rBV3	6222	11411	1.12%	0.112%
21	11.322	805	808	809	rBV3	11395	18542	1.81%	0.182%
22	11.345	809	810	813	rVB	21294	19540	1.91%	0.192%
23	11.448	817	819	820	rBV	184929	165783	16.22%	1.632%
24	11.471	820	821	823	rVV	419796	322919	31.59%	3.178%
25	11.528	823	826	827	rVB	60513	82833	8.10%	0.815%
26	11.562	827	829	832	rBV3	6608	11272	1.10%	0.111%
27	11.676	836	839	844	rBV2	54377	83581	8.18%	0.823%
28	11.745	844	845	847	rVB2	12817	12480	1.22%	0.123%
29	11.951	861	863	864	rBV	28872	24468	2.39%	0.241%
30	11.974	864	865	867	rVV	36722	41682	4.08%	0.410%
31	12.019	867	869	871	rVV3	10746	18047	1.77%	0.178%
32	12.065	871	873	877	rVB2	61152	88720	8.68%	0.873%
33	12.237	886	888	893	rVB2	64459	81672	7.99%	0.804%
34	12.431	904	905	910	rVB2	6315	13569	1.33%	0.134%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

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-BF072715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.499	910	911	913	rBV	13936	19495	1.91%	0.192%
36	12.545	913	915	917	rVV	11806	19187	1.88%	0.189%
37	12.591	917	919	921	rVB2	10183	17194	1.68%	0.169%
38	12.659	924	925	928	rBV	223280	300333	29.38%	2.956%
39	12.899	943	946	948	rBV	269913	292418	28.61%	2.878%
40	12.945	949	950	954	rVB3	9110	15805	1.55%	0.156%
41	13.048	957	959	961	rVV	469396	395457	38.69%	3.892%
42	13.128	961	966	970	rVB3	12111	27175	2.66%	0.267%
43	13.242	970	976	978	rBV	23328	43820	4.29%	0.431%
44	13.311	980	982	983	rBV	24012	24519	2.40%	0.241%
45	13.345	983	985	986	rBV	21510	19659	1.92%	0.193%
46	13.894	1031	1033	1035	rBV3	8057	13846	1.35%	0.136%
47	14.168	1054	1057	1059	rBV2	108768	159858	15.64%	1.573%
48	14.202	1059	1060	1065	rVB	70321	61521	6.02%	0.605%
49	14.294	1065	1068	1071	rBV	17649	21749	2.13%	0.214%
50	14.614	1094	1096	1098	rBV	8980	11231	1.10%	0.111%
51	15.334	1157	1159	1165	rBV	38037	79264	7.75%	0.780%
52	15.643	1183	1186	1188	rBV	20563	23474	2.30%	0.231%
53	15.700	1189	1191	1195	rVB	28510	35760	3.50%	0.352%
54	15.768	1195	1197	1199	rBV	26760	34952	3.42%	0.344%
55	17.243	1323	1326	1331	rVB3	18229	39268	3.84%	0.386%
56	17.677	1361	1364	1368	rBV	19620	39330	3.85%	0.387%
57	17.917	1382	1385	1388	rVB2	8122	17059	1.67%	0.168%
58	19.929	1557	1561	1569	rVB4	11951	45890	4.49%	0.452%
59	20.123	1572	1578	1582	rBV4	12214	46978	4.60%	0.462%
60	21.049	1653	1659	1661	rBV4	11569	38118	3.73%	0.375%
61	21.323	1679	1683	1690	rBV5	9721	41684	4.08%	0.410%

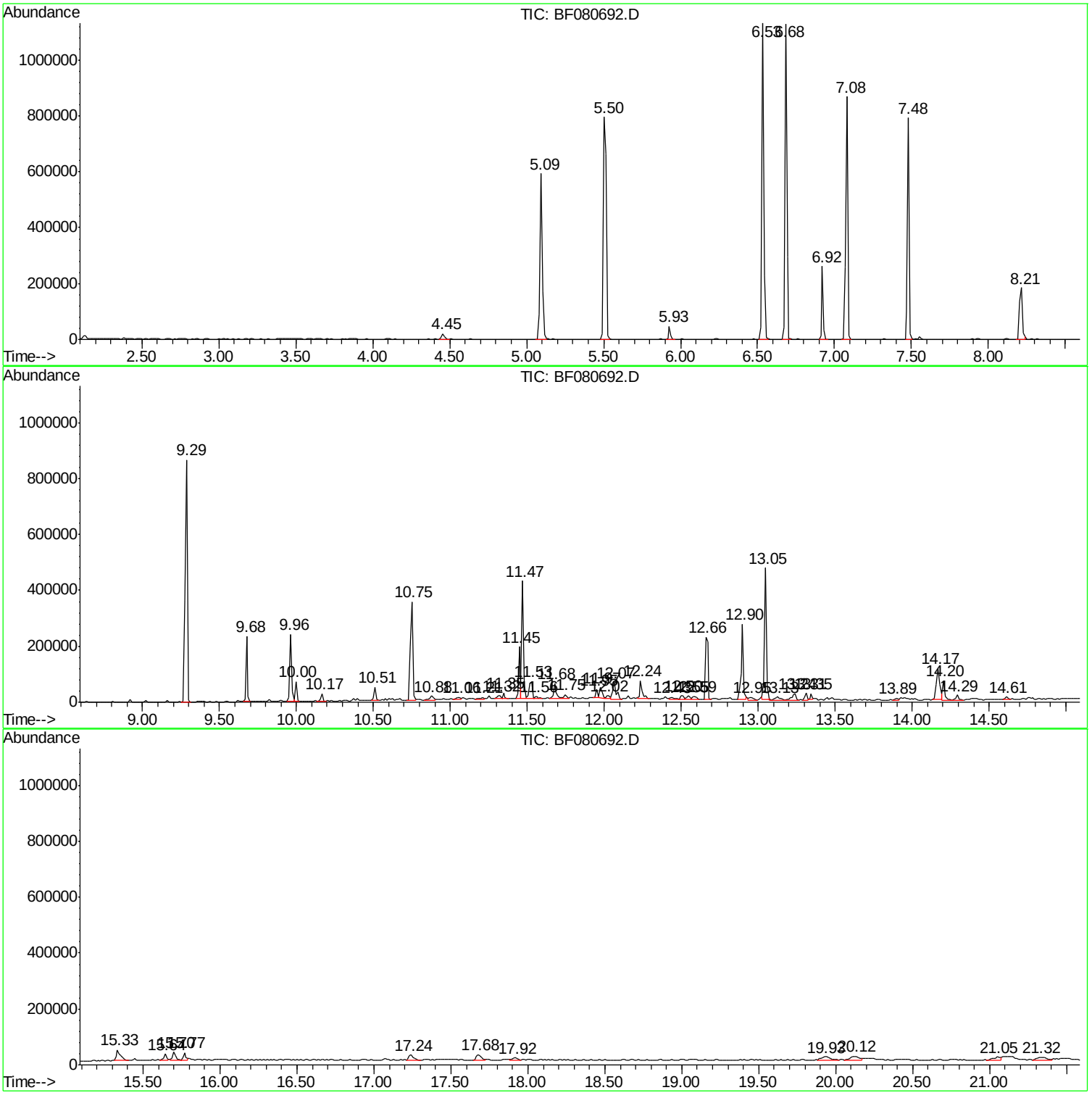
Sum of corrected areas: 10160369

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072715.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\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

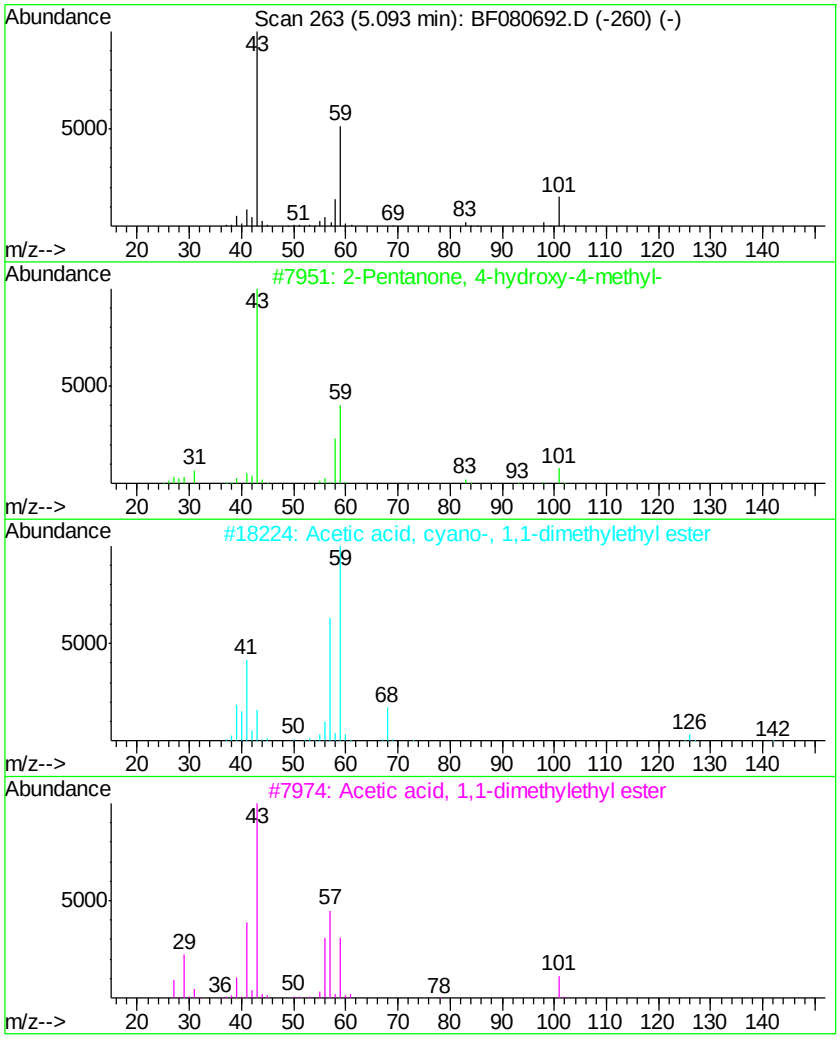
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

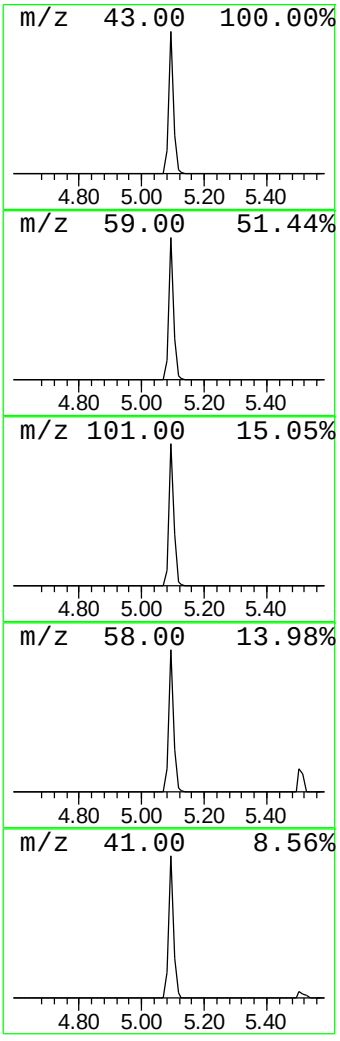
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	57.11 ng	600021	1,4-Dichlorobenzene-d4	6.92

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, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

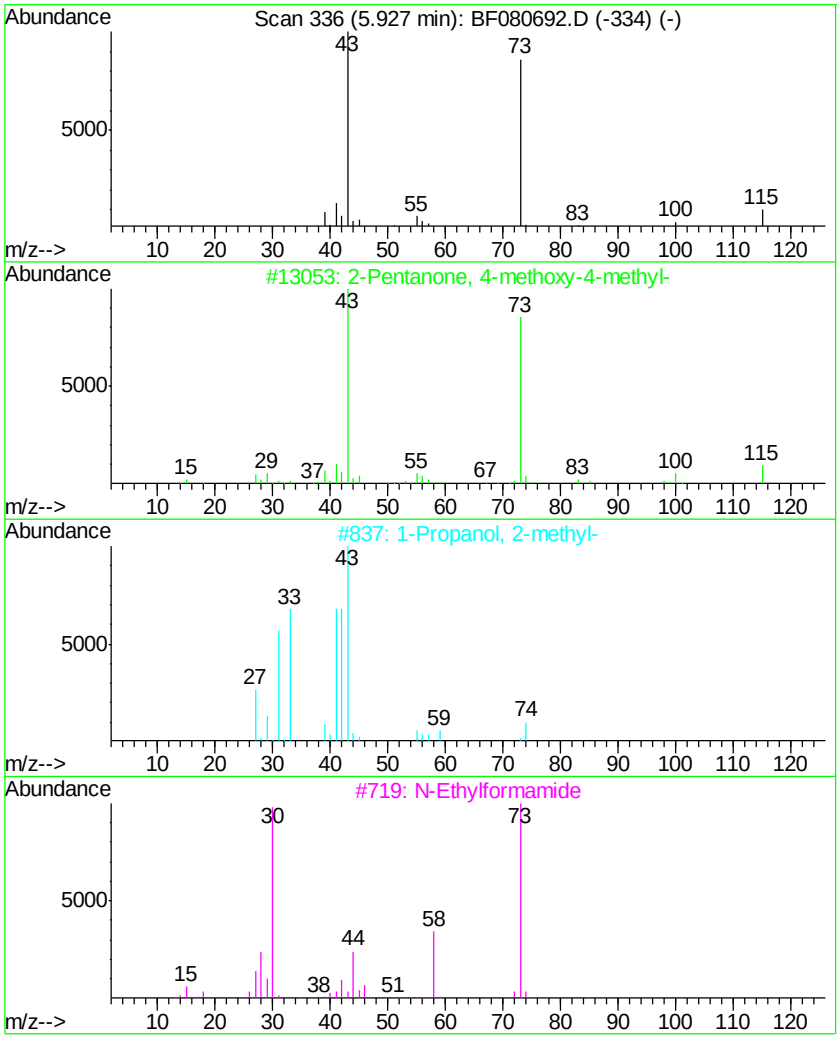
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

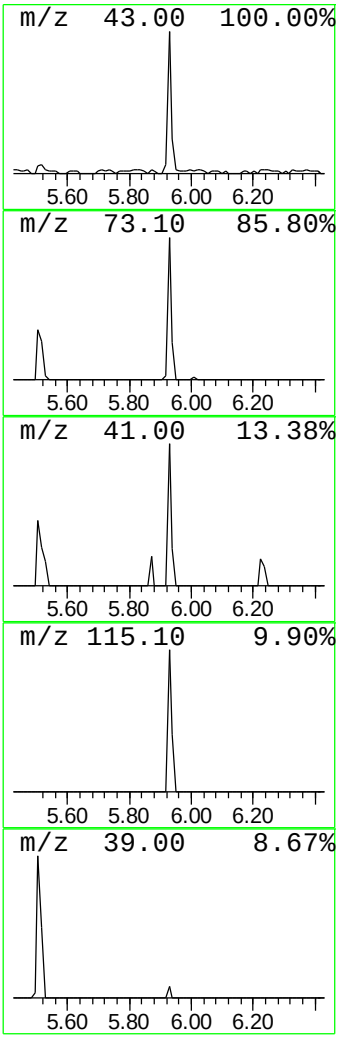
****

Peak Number 2 2-Pentanone, 4-methoxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	4.06 ng	42609	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	78
2	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
3	N-Ethylformamide	73	C3H7NO	000627-45-2	7
4	1H-Tetrazole-1,5-diamine	100	CH4N6	002165-21-1	7
5	Guanidine, methyl-	73	C2H7N3	000471-29-4	7





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072715.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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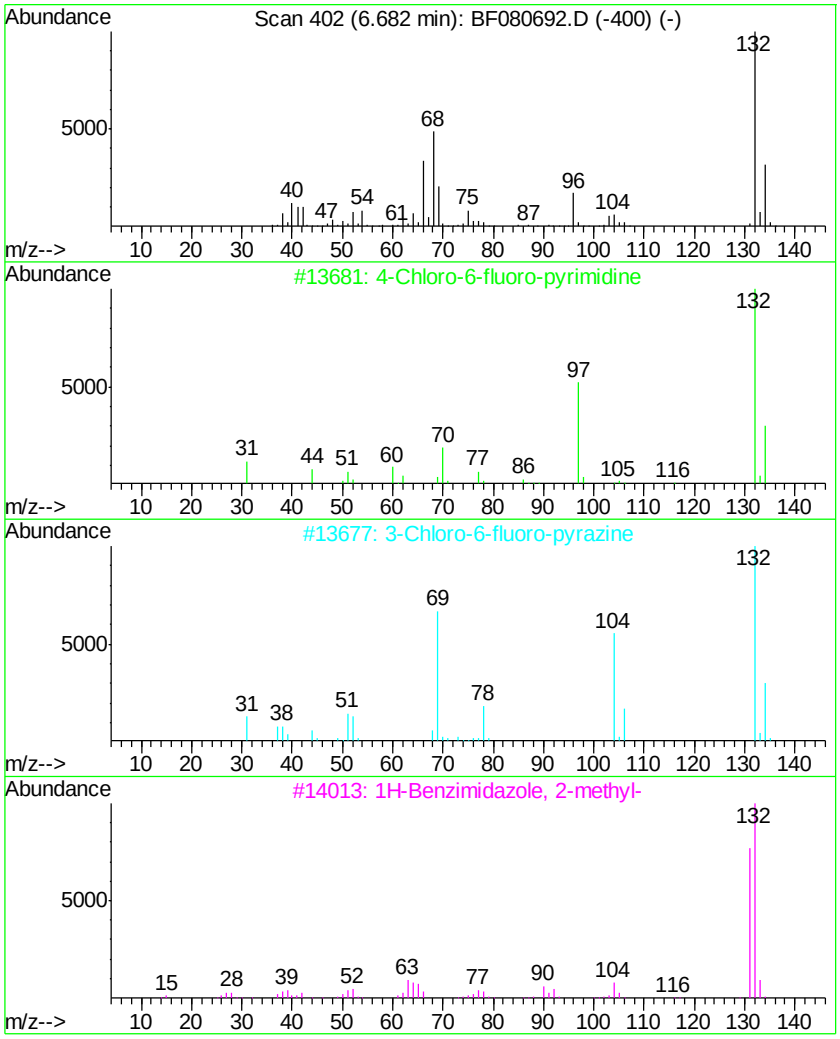
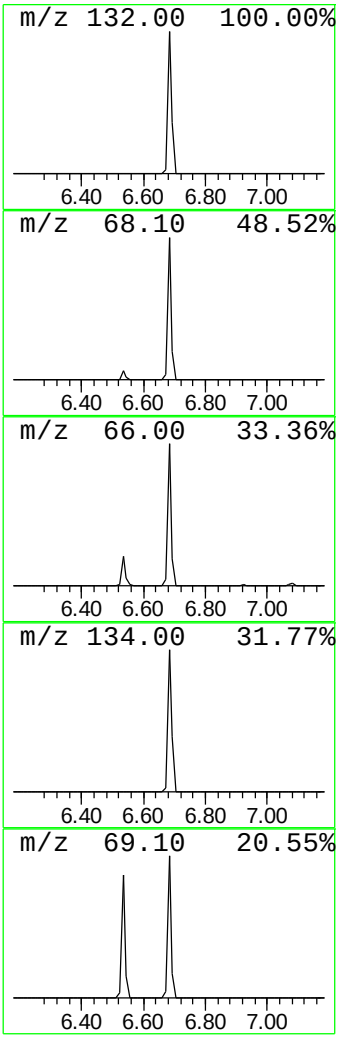
Peak Number 3 unknown6.68 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	95.81 ng	1006590	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

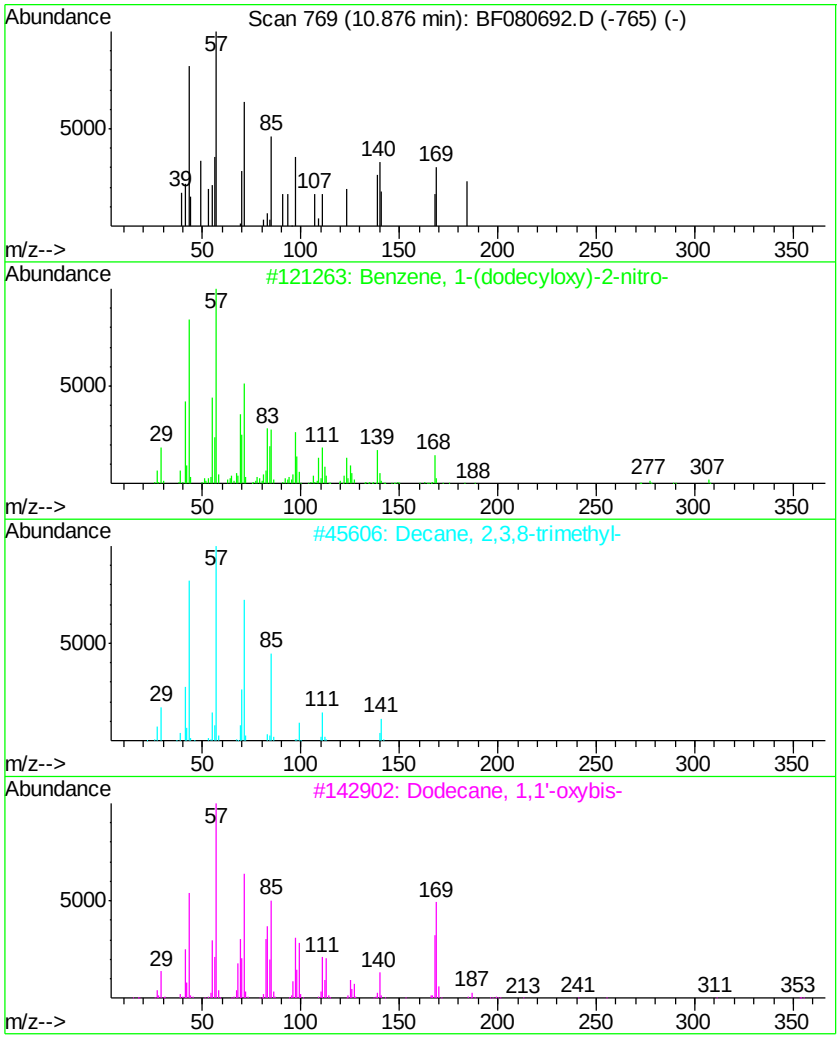
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

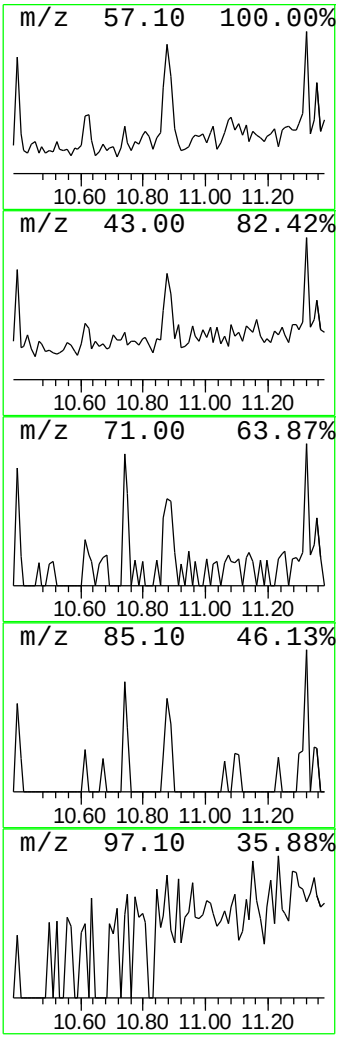
****

Peak Number 4 unknown10.88 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	3.03 ng	25080	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(dodecyloxy)-2-nitro-	307	C18H29NO3	083027-71-8	16
2	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	14
3	Dodecane, 1,1'-oxybis-	354	C24H50O	004542-57-8	12
4	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	10
5	2H-Pyran-2-one, 4-hydroxy-3,6-di...	140	C7H8O3	005192-62-1	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

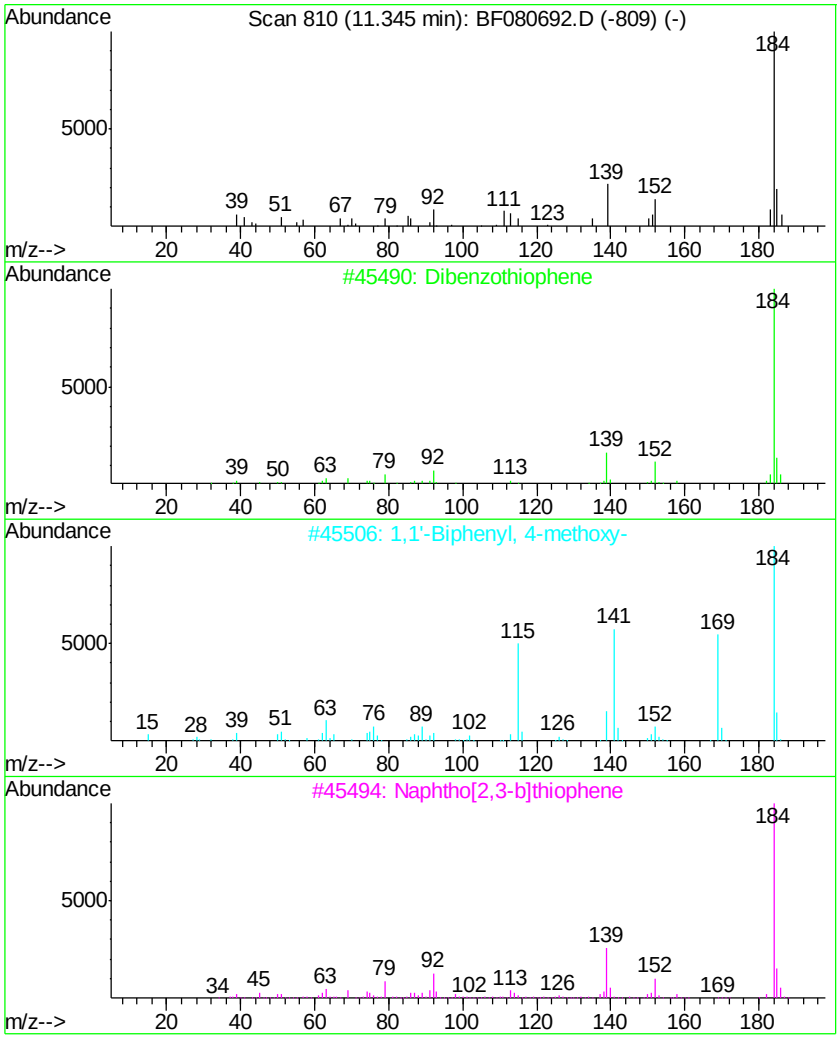
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

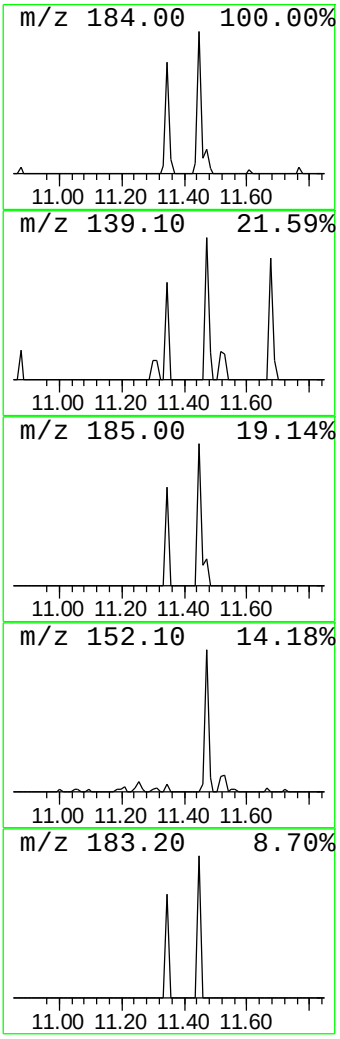
****

Peak Number 5 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	2.36 ng	19540	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	86
2	1,1'-Biphenyl, 4-methoxy-	184	C13H12O	000613-37-6	80
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	72
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	59
5	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

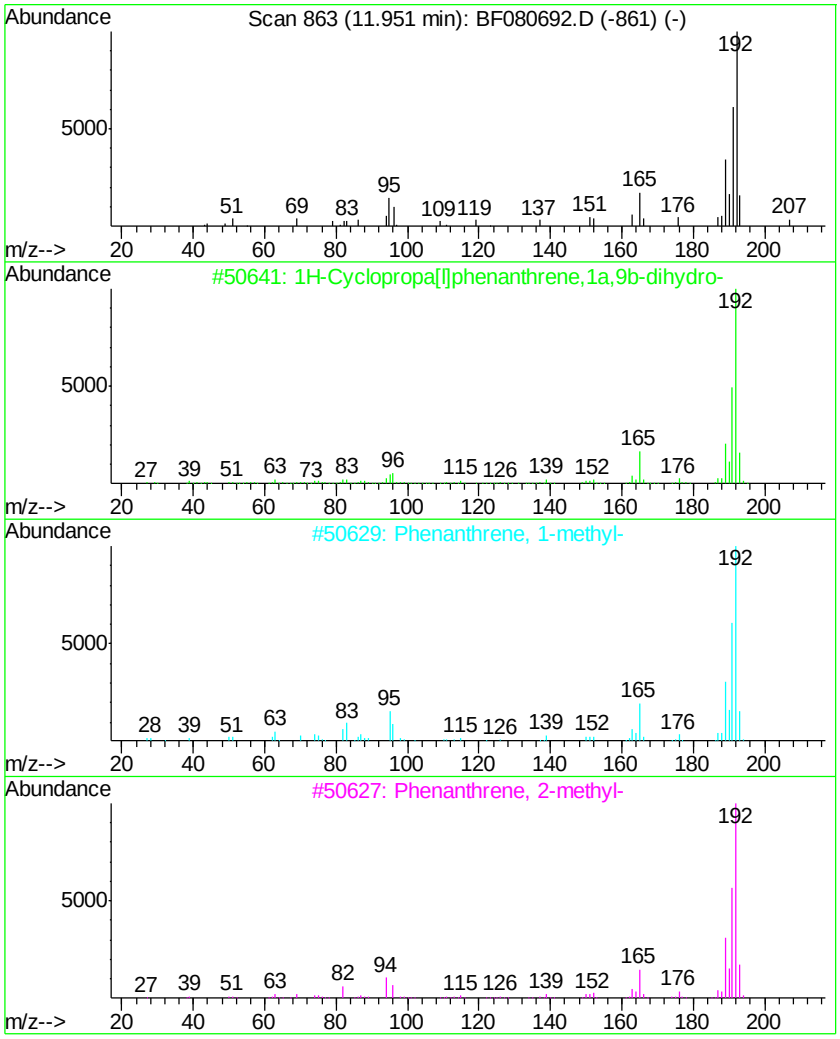
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

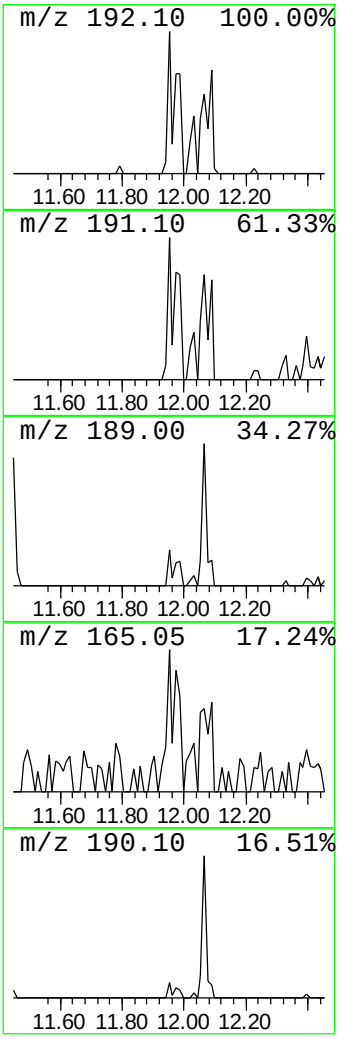
****

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.95 ng	24468	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072715.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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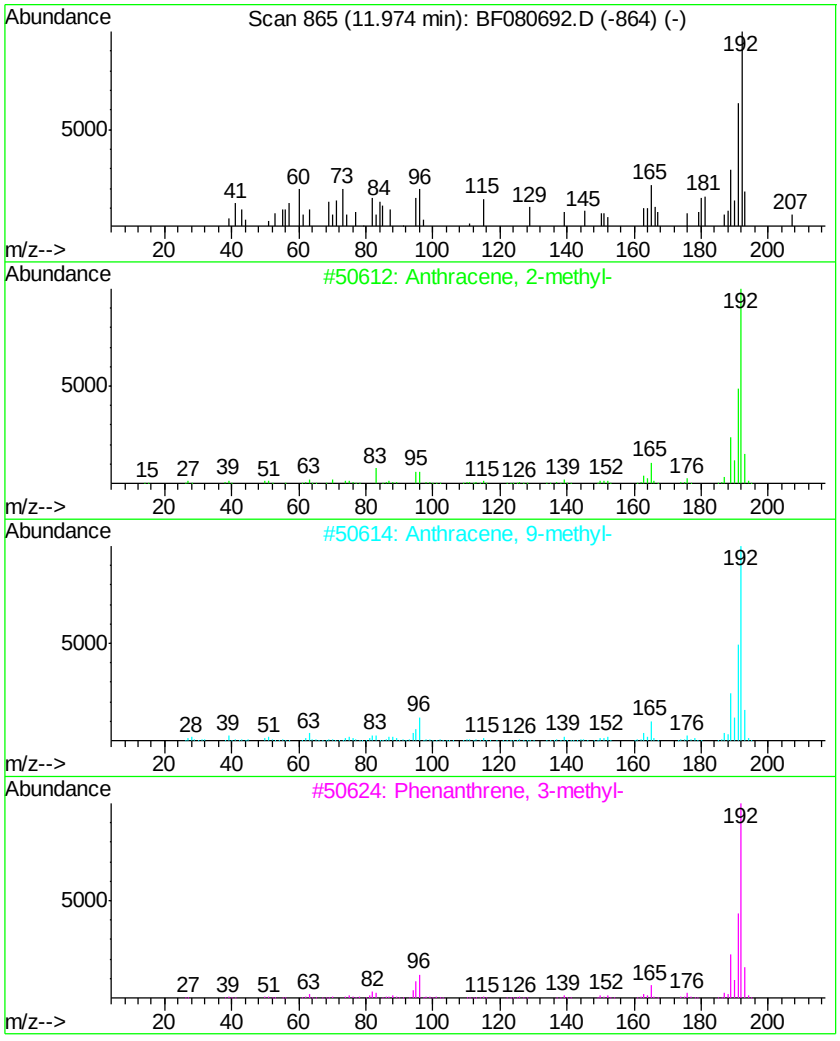
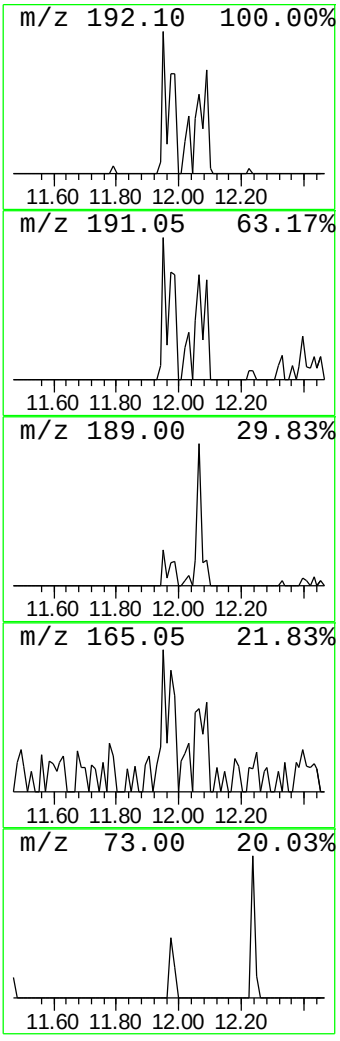
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	5.03 ng	41682	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	89
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072715.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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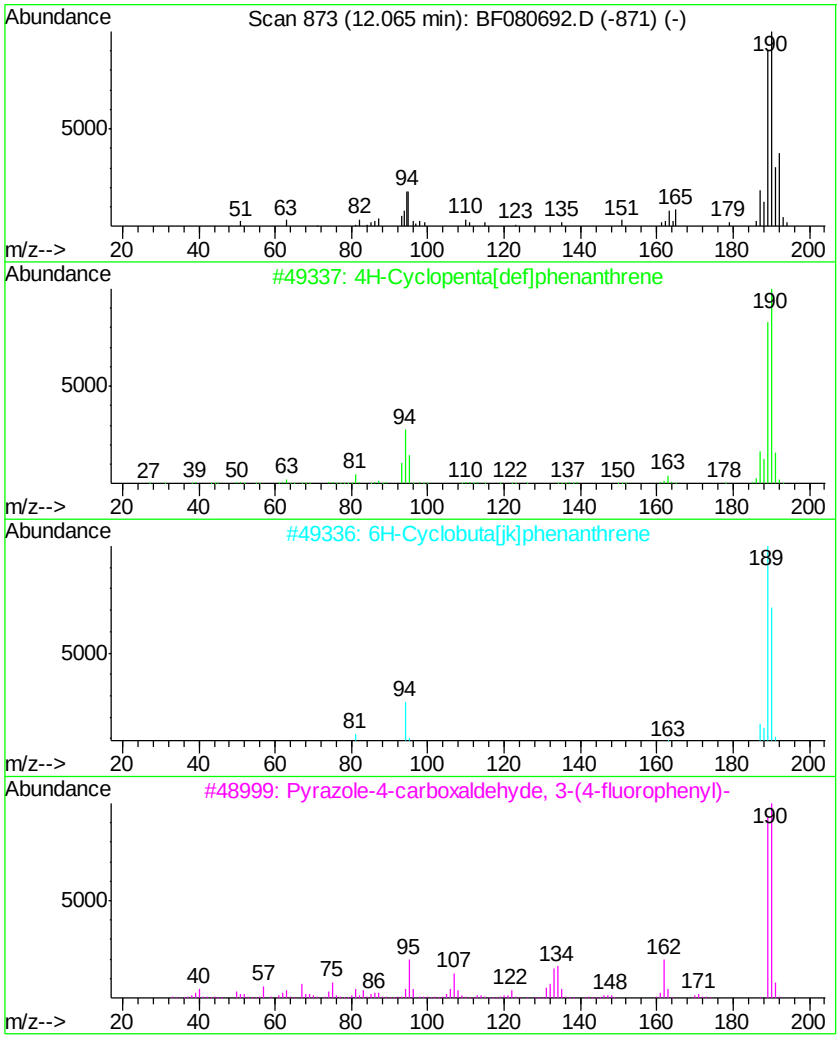
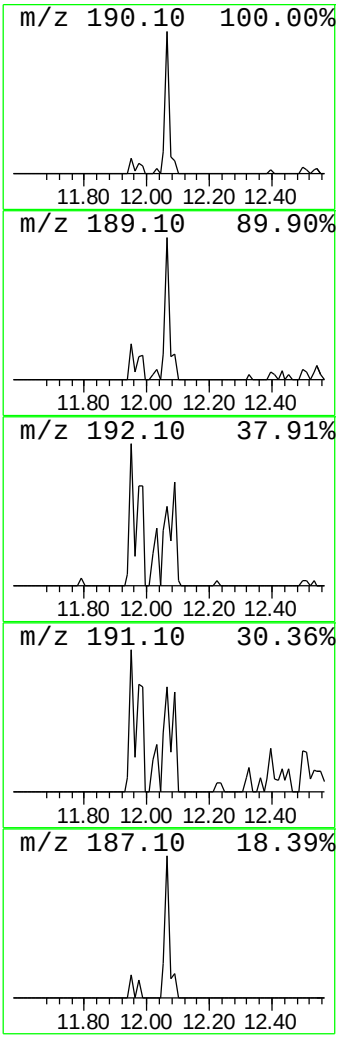
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	10.70 ng	88720	Phenanthrene-d10	11.45

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	53
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	50
4	2-Chloro-1-(2-propynyl)-1H-benzi...	190	C10H7ClN2	080276-19-3	47
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

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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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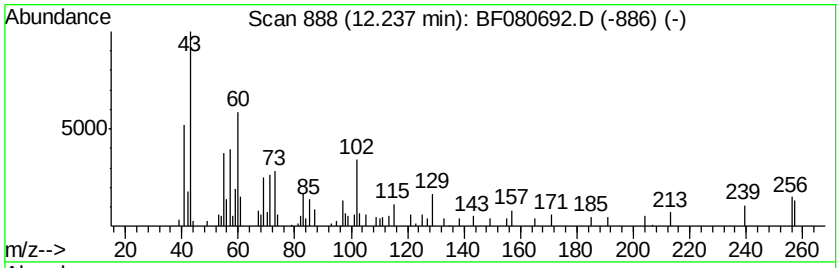
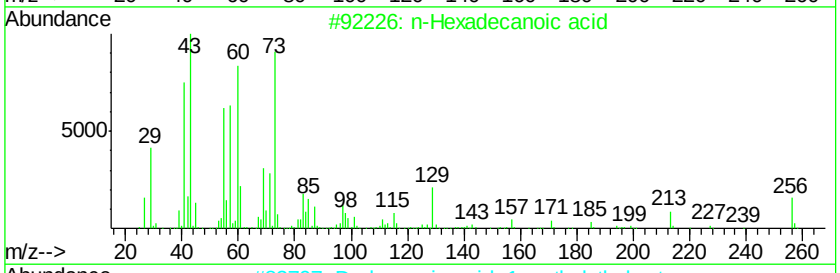
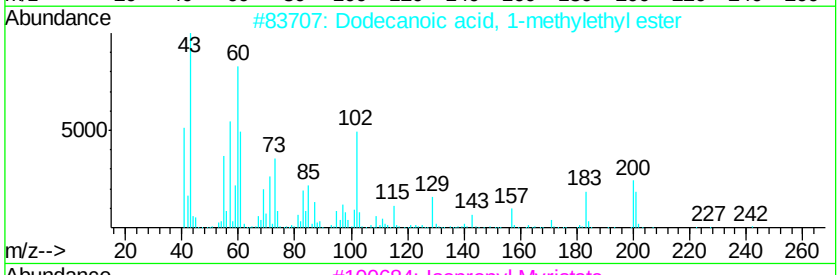
Peak Number 9 n-Hexadecanoic acid Concentration Rank 9

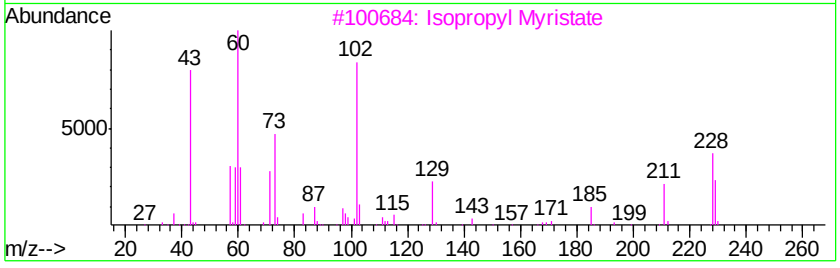
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	9.85 ng	81672	Phenanthrene-d10	11.45

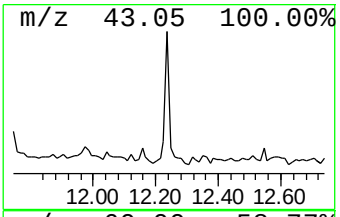
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
2	Dodecanoic acid, 1-methylethyl e...	242	C15H30O2	010233-13-3	64
3	Isopropyl Myristate	270	C17H34O2	000110-27-0	50
4	n-Capric acid isopropyl ester	214	C13H26O2	002311-59-3	45
5	Nonanoic acid, 1-methylethyl ester	200	C12H24O2	028267-32-5	43

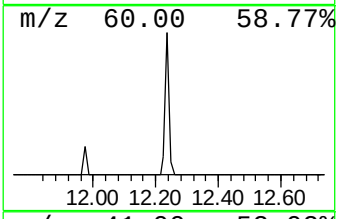


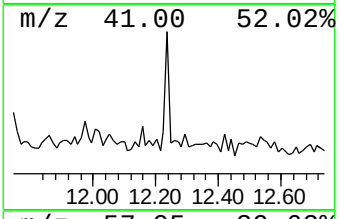


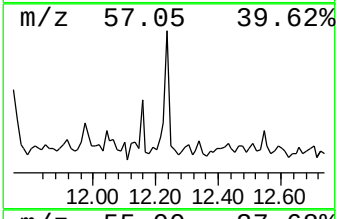


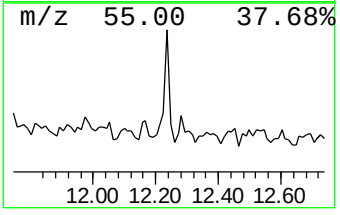












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Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

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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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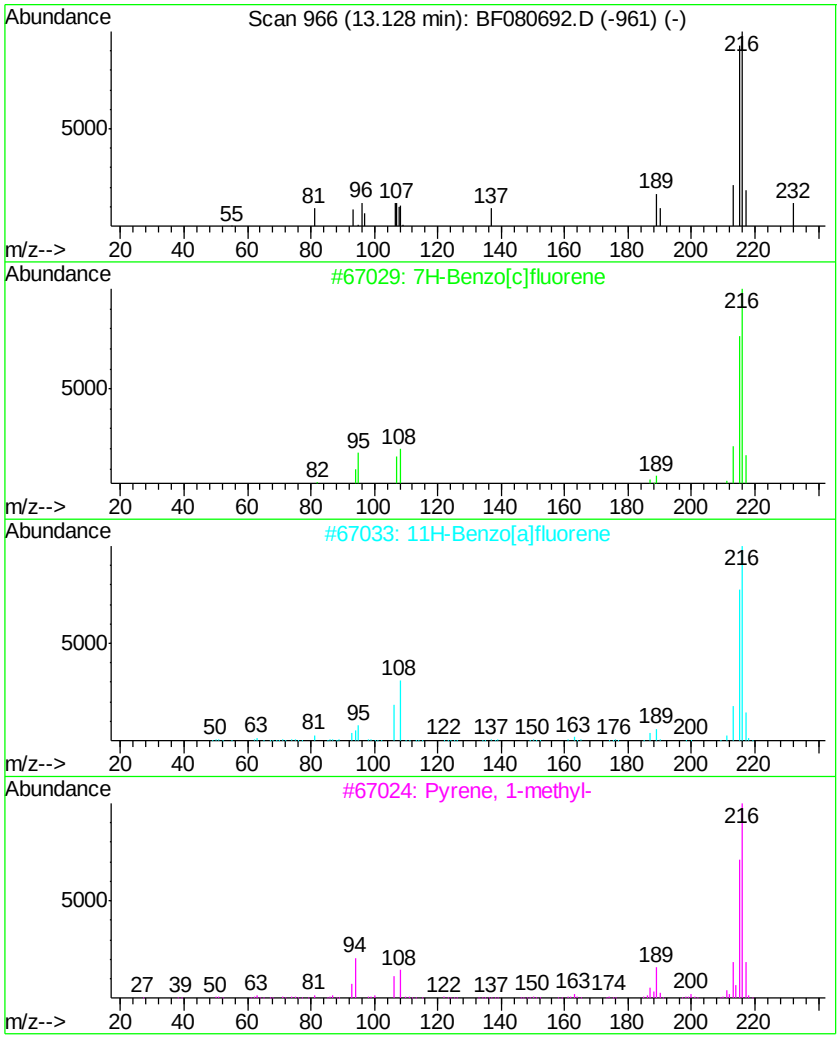
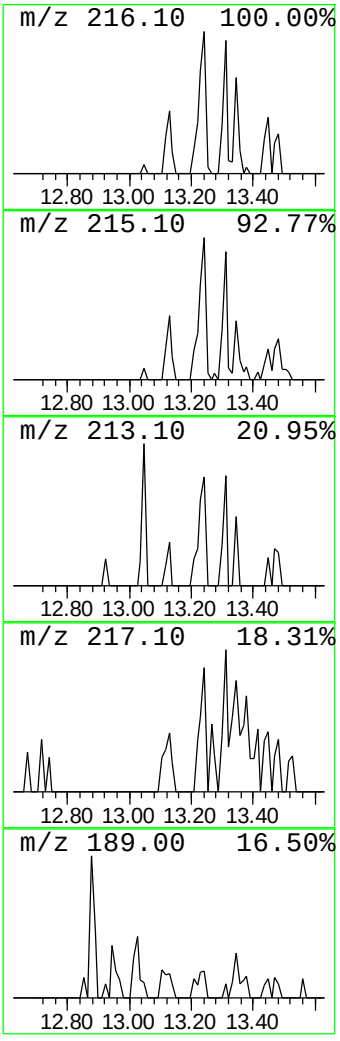
Peak Number 10 7H-Benzo[c]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	3.40 ng	27175	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	59
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	59





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ALS Vial : 20 Sample Multiplier: 1

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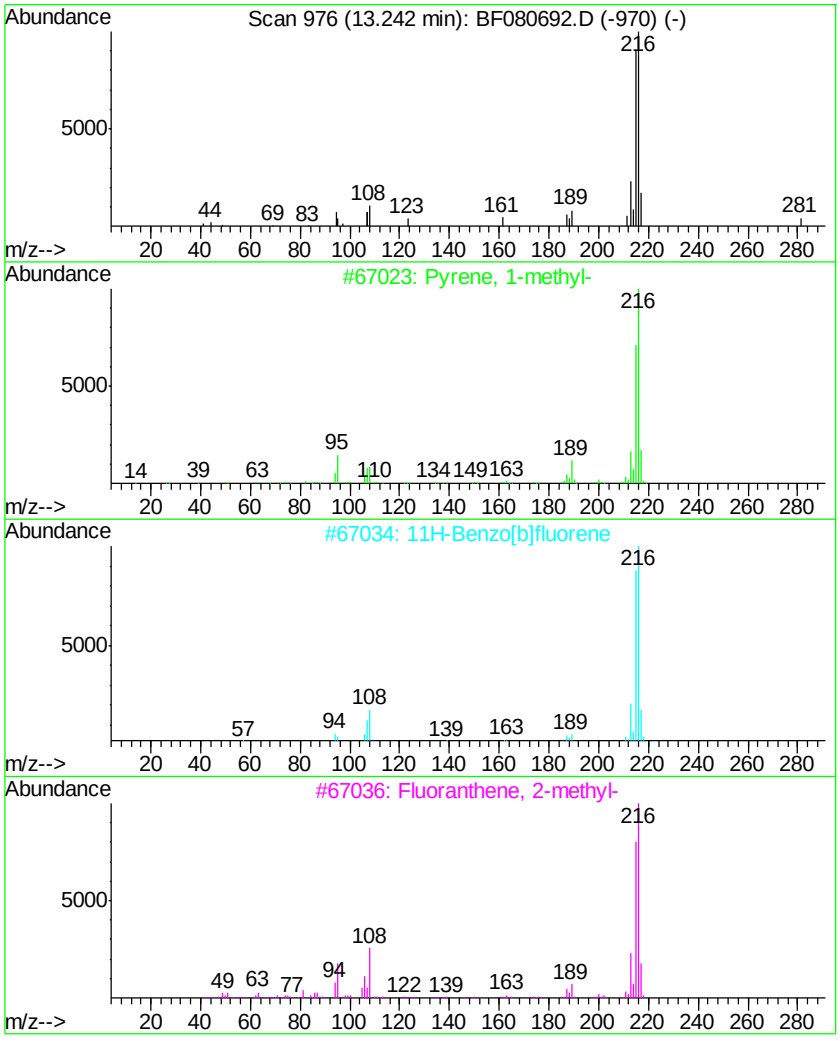
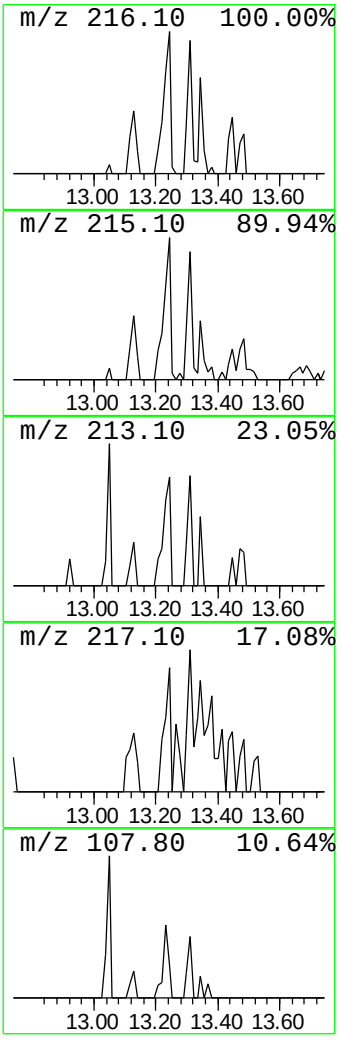
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	5.48 ng	43820	Chrysene-d12	14.18

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	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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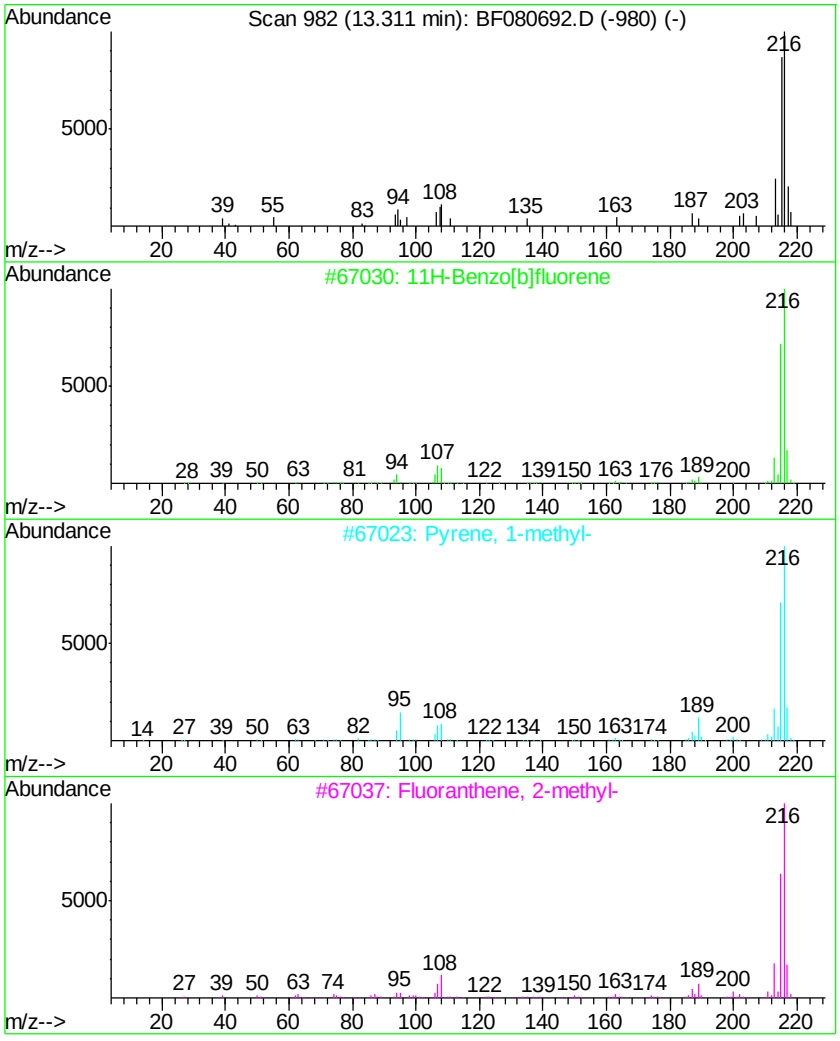
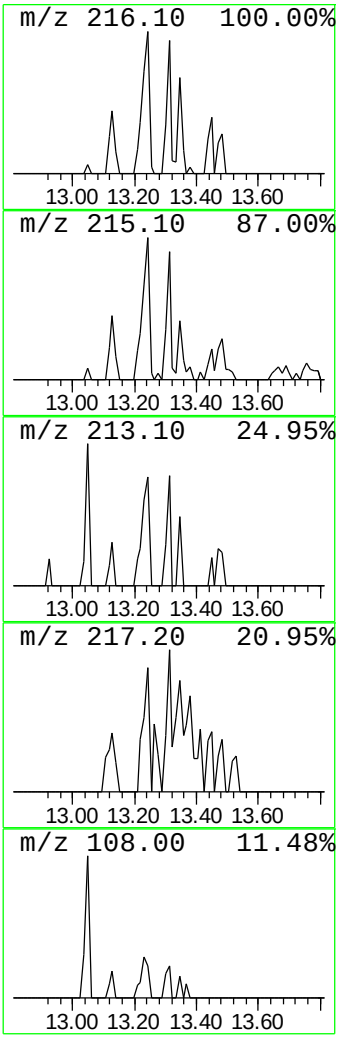
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	3.07 ng	24519	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	50





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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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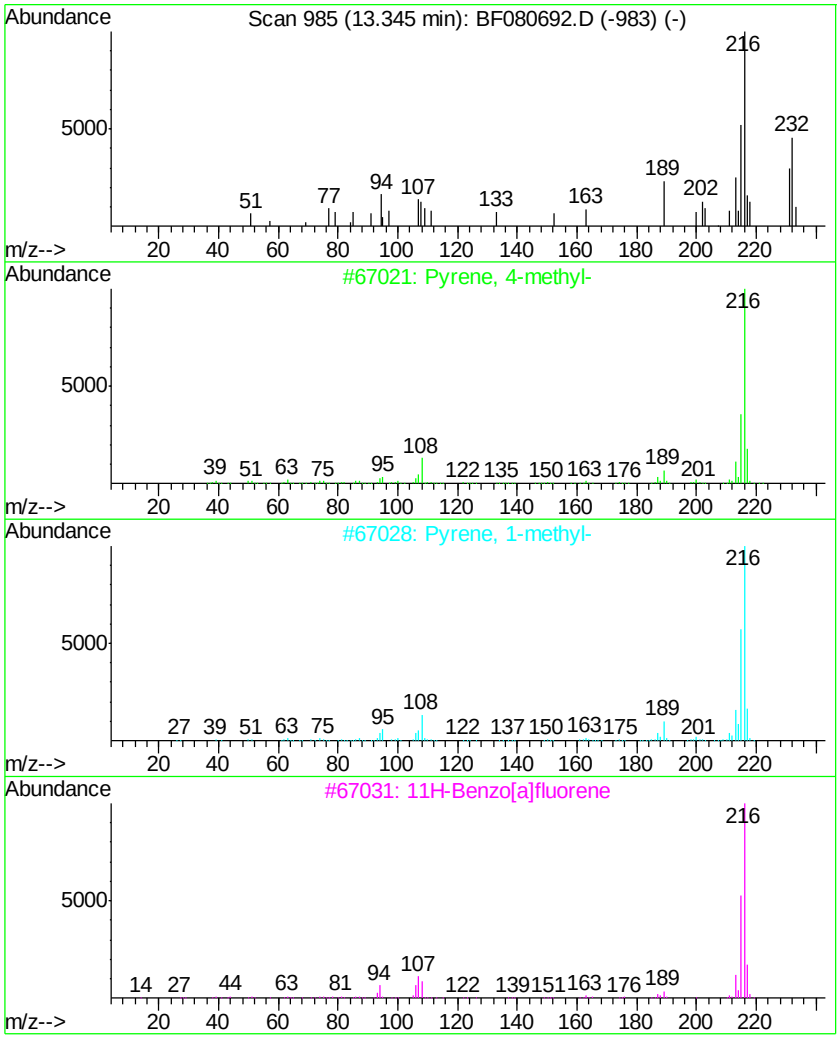
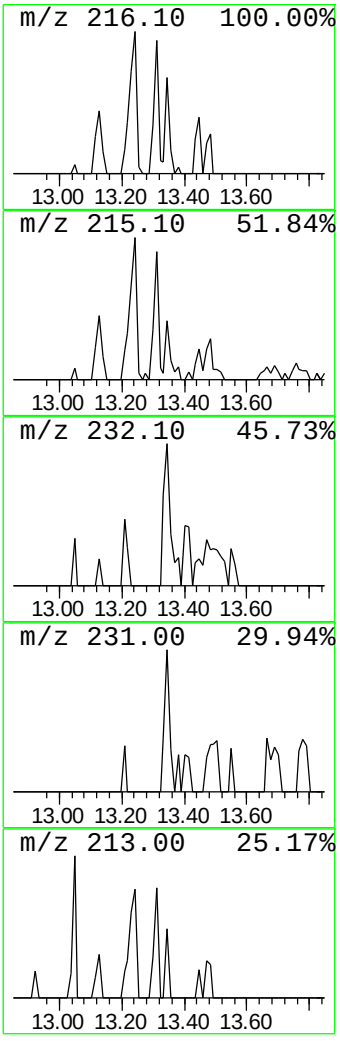
Peak Number 13 Pyrene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	2.46 ng	19659	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	52
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	49
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	47
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	47
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	43





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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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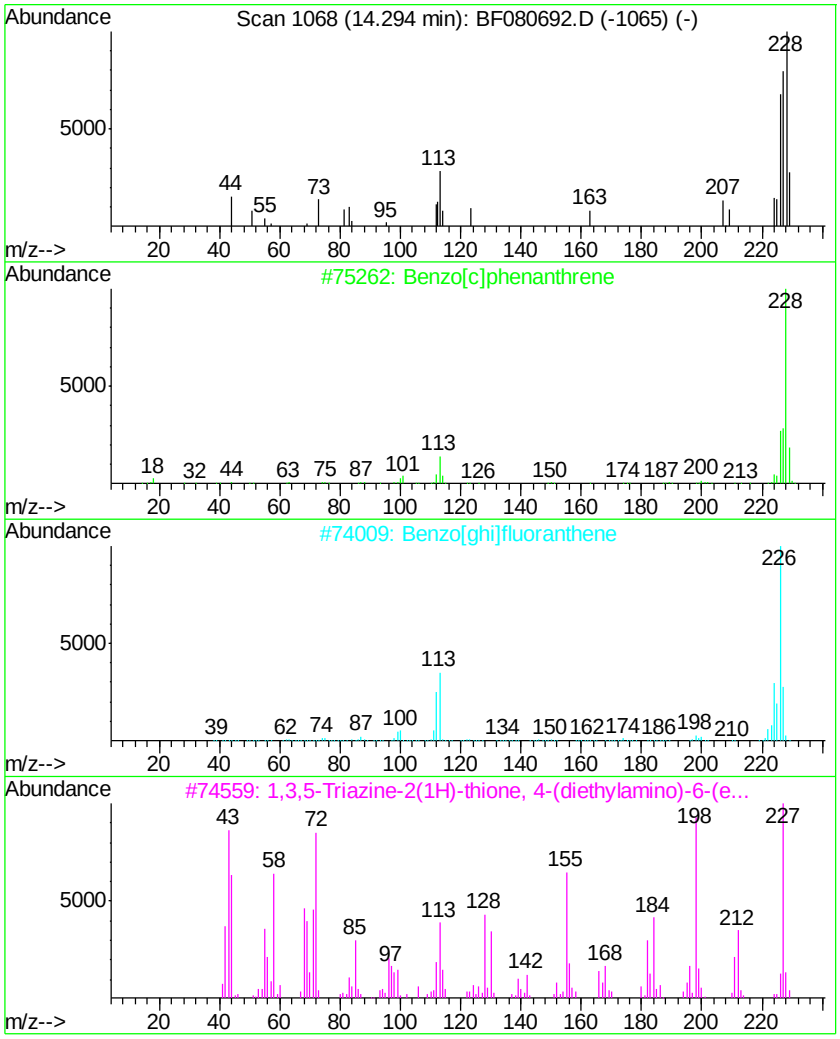
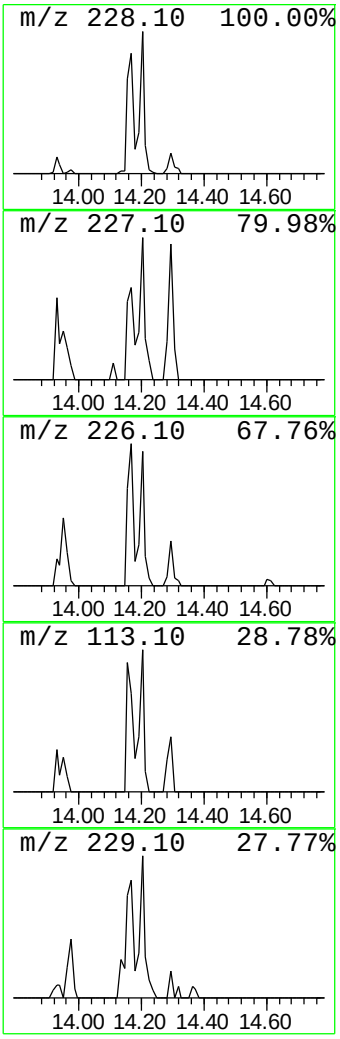
Peak Number 14 unknown14.29 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	2.72 ng	21749	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	25
3	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	25
4	4-Morpholineacetonitrile, .alpha...	228	C14H16N2O	019543-81-8	10
5	Selenolo[2,3-b]pyridine-2-carbox...	227	C8H5NO2Se	041323-21-1	9





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ClientSampleId : DUMBO-EP-3

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TIC Library : C:\DATABASE\NIST02.L
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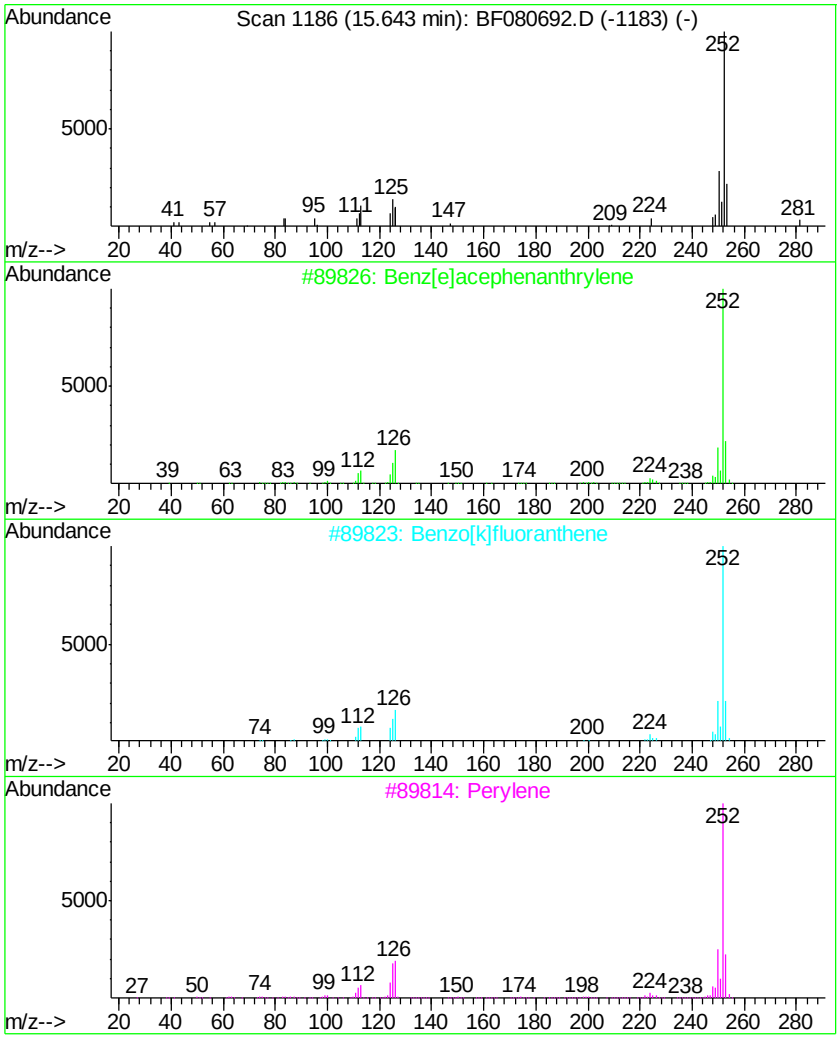
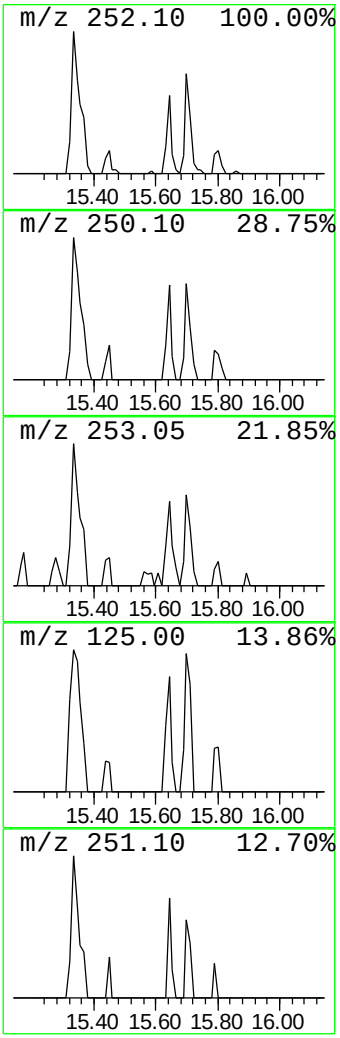
Peak Number 15 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	13.43 ng	23474	Perylene-d12	15.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Perylene	252	C20H12	000198-55-0	87
4	Benzo[a]pyrene	252	C20H12	000050-32-8	87
5	Benzo[e]pyrene	252	C20H12	000192-97-2	81





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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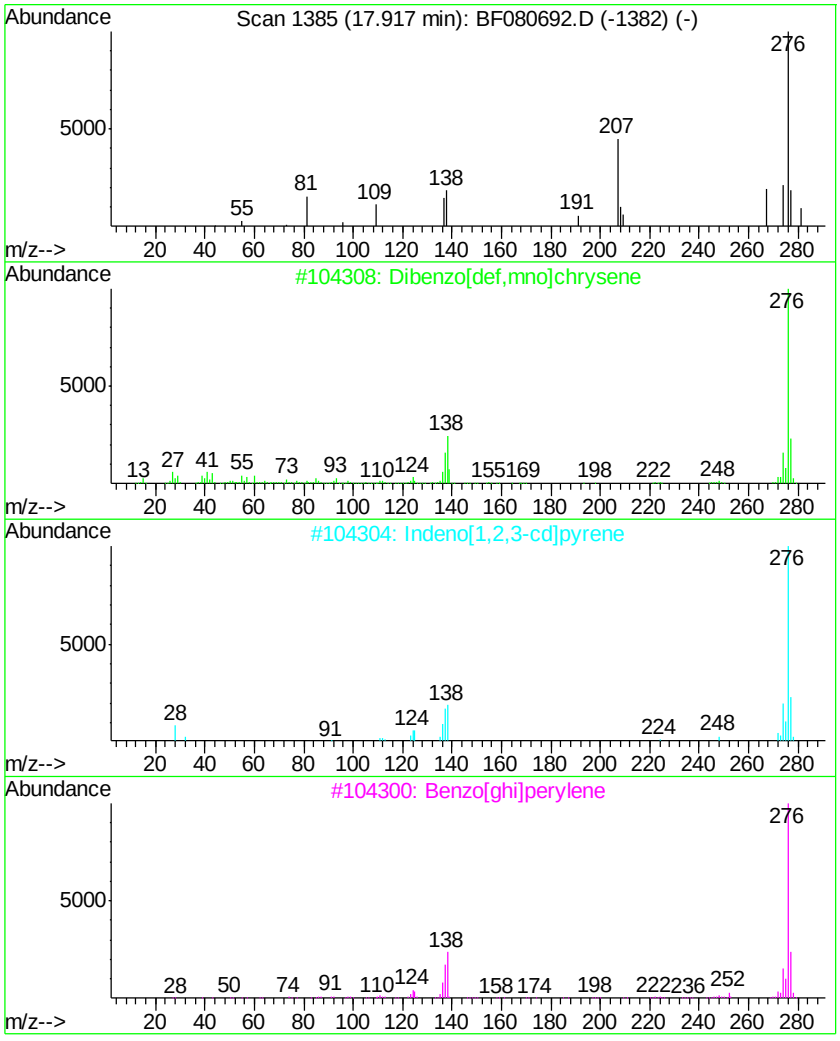
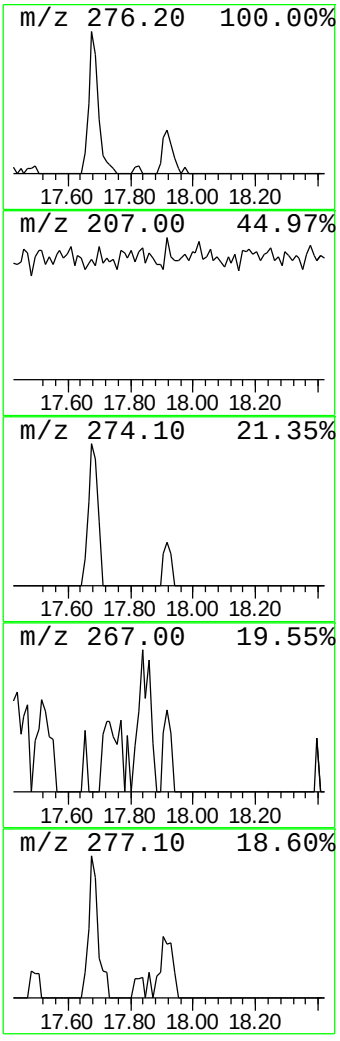
Peak Number 16 unknown17.92 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	9.76 ng	17059	Perylene-d12	15.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	38
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	38
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	38
4	Benzofuro[3,2-d]pyrimidine, 4-me...	276	C17H12N2O2	312265-36-4	9
5	1H-Cyclopenta[4,5]pyrido[1,2-a]b...	276	C17H16N4	329707-31-5	9





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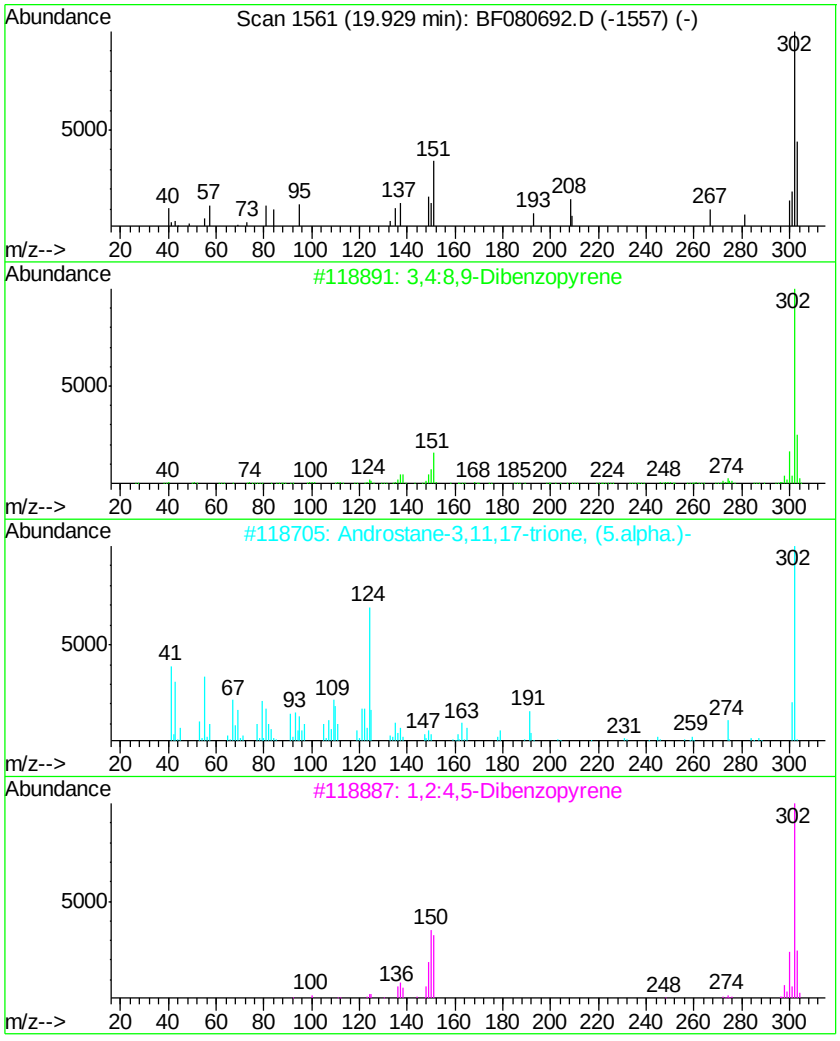
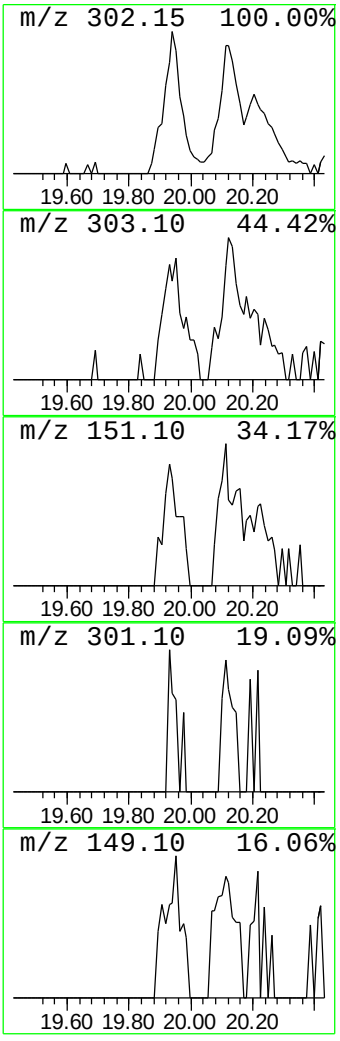
Peak Number 17 3,4:8,9-Dibenzopyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	26.26 ng	45890	Perylene-d12	15.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	50
2	Androstane-3,11,17-trione, (5.al...	302	C19H26O3	001482-70-8	35
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	28
4	6-Hydroxy-7-isopropyl-1,4a-dimet...	302	C20H30O2	022595-48-8	27
5	4H-1-Benzopyran-4-one, 2-(3,4-di...	302	C15H10O7	000117-39-5	9





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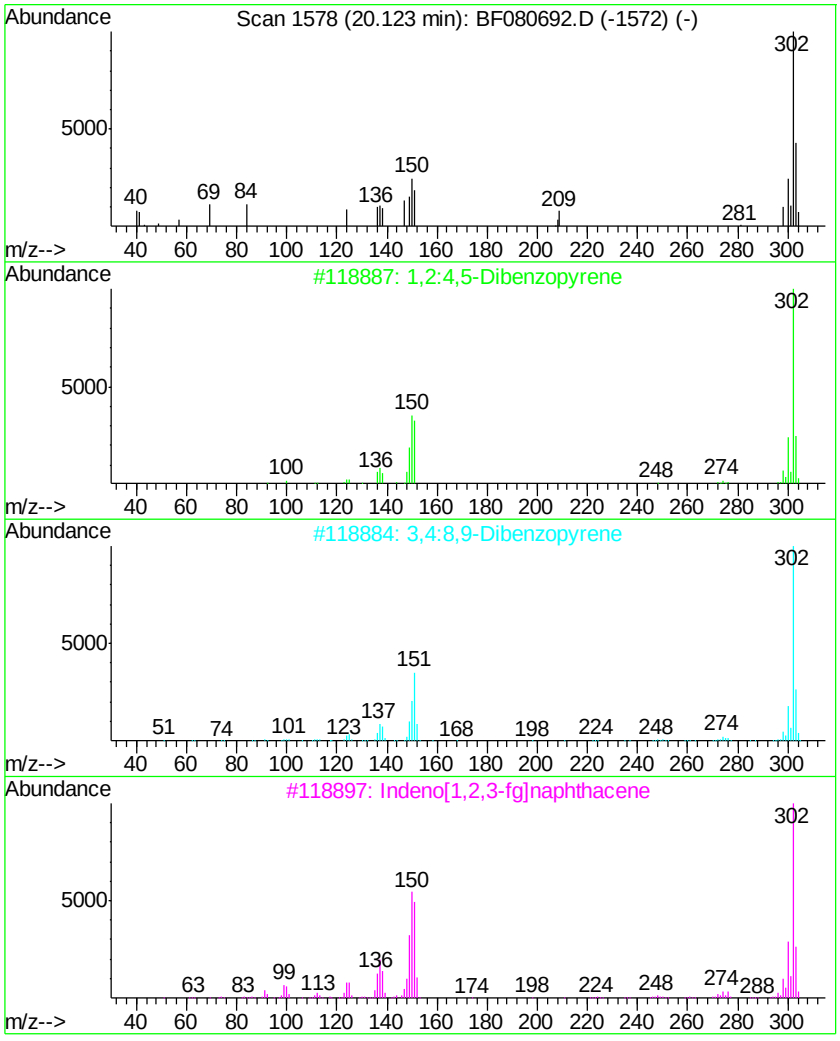
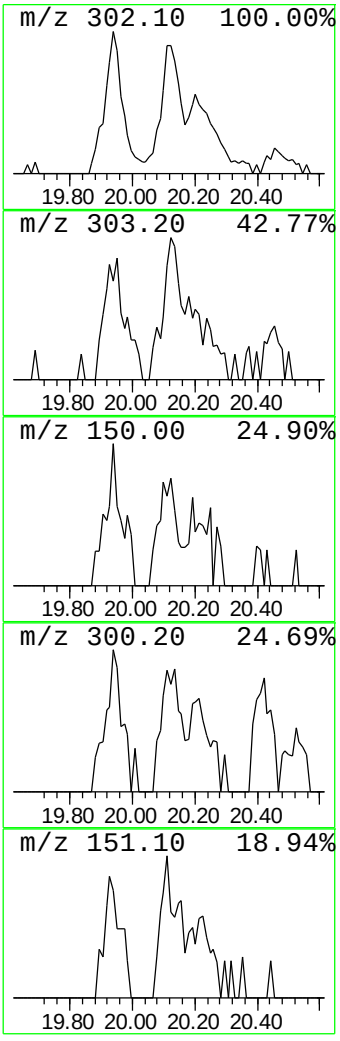
Peak Number 18 1,2:4,5-Dibenzopyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	26.88 ng	46978	Perylene-d12	15.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	62
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	58
3	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	53
4	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	52
5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072715.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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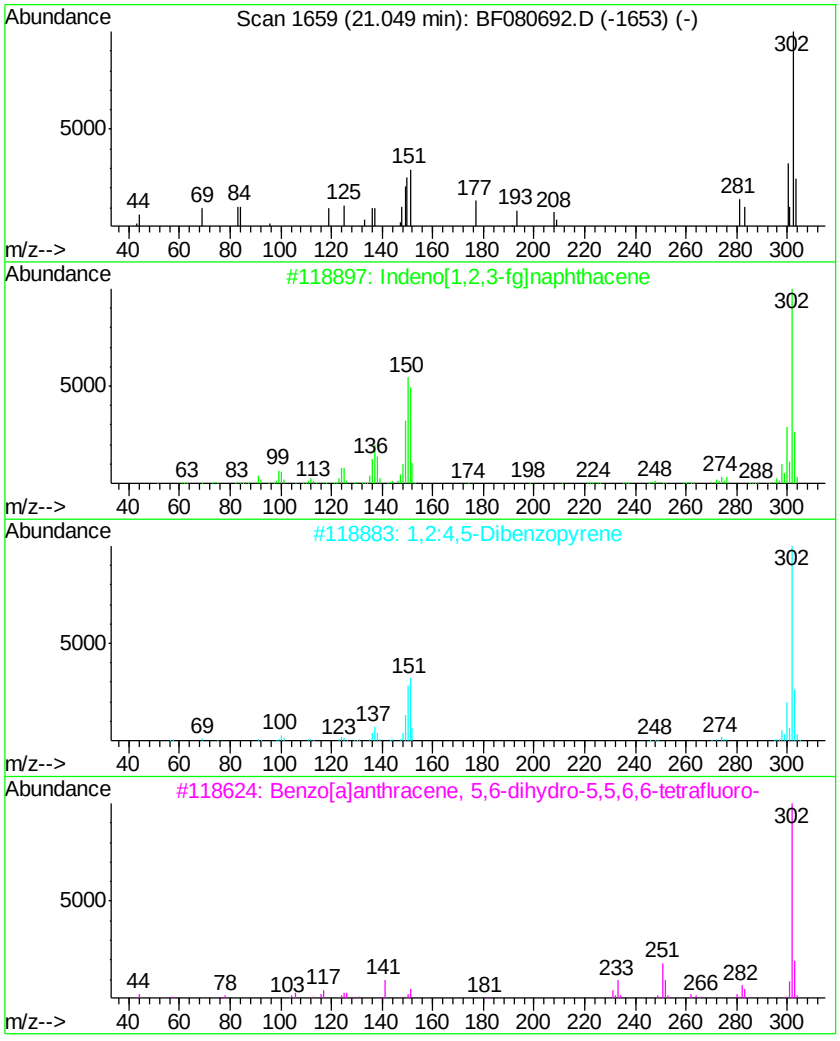
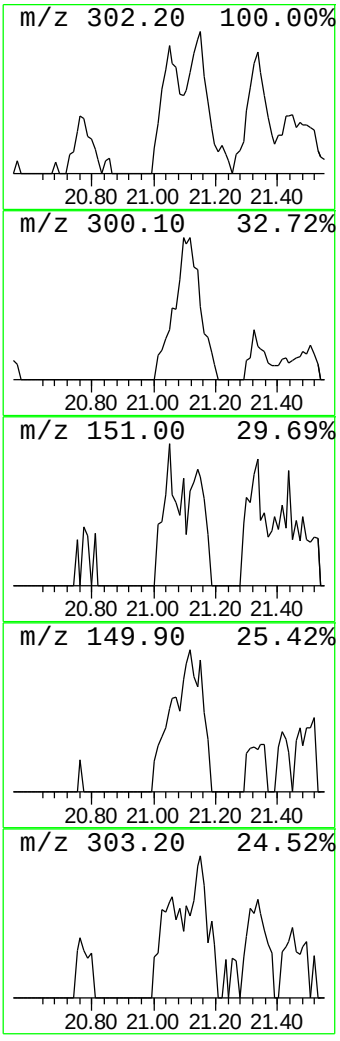
Peak Number 19 Indeno[1,2,3-fg]naphthacene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	21.81 ng	38118	Perylene-d12	15.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	72
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	64
3	Benzo[a]anthracene, 5,6-dihydro-...	302	C18H10F4	1000116-65-8	47
4	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	38
5	Hematoxylin	302	C16H14O6	000517-28-2	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

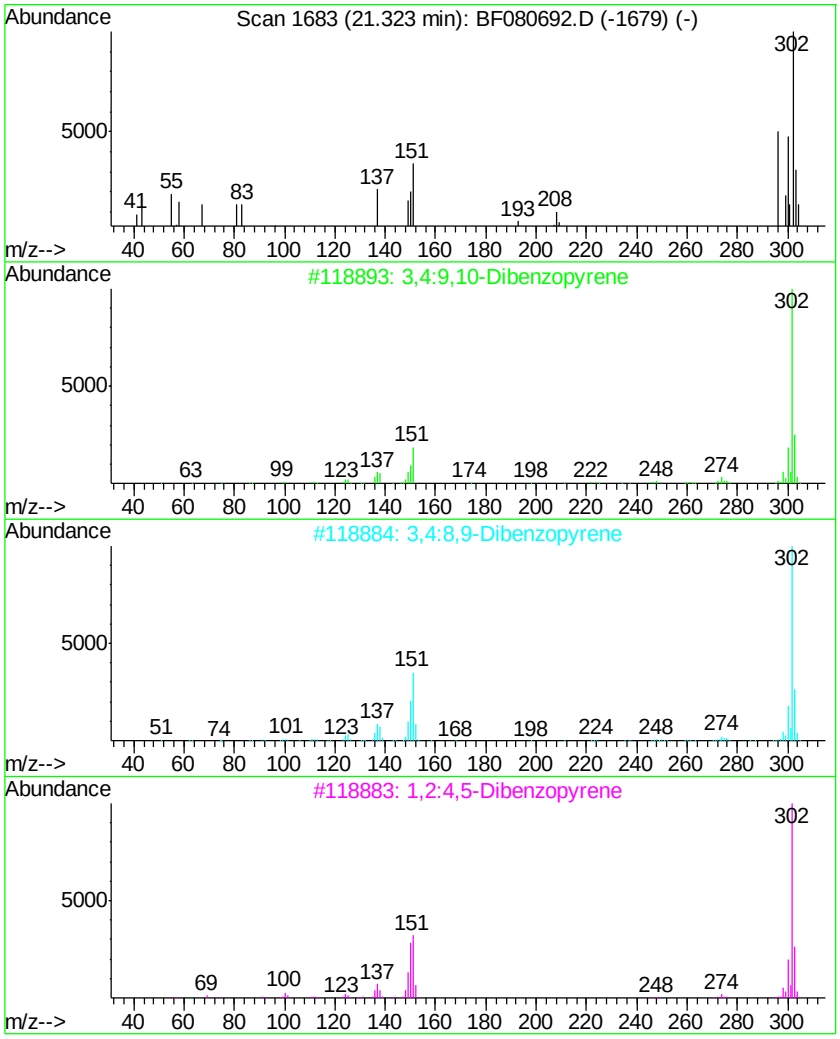
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

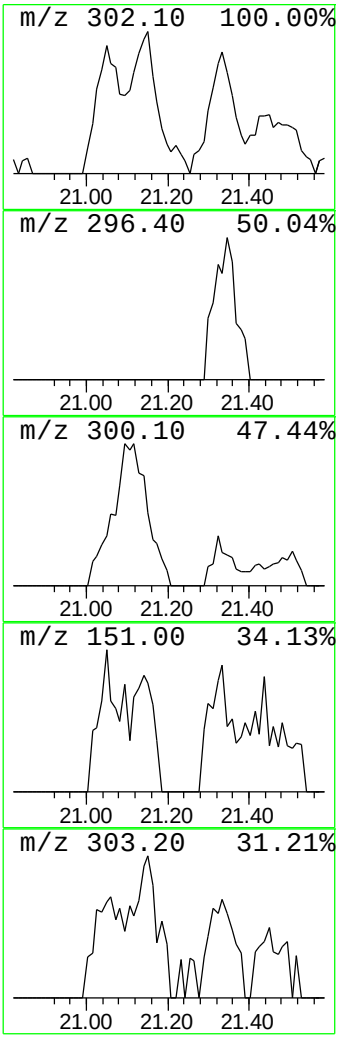
****

Peak Number 20 unknown21.32 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	23.85 ng	41684	Perylene-d12	15.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	49
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	49
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	38
4	Androstane-3,6,17-trione, (5.bet...	302	C19H26O3	026991-58-2	35
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUMBO-EP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072715.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
2-Pentanone, 4-hy...	5.09	57.1	ng	600021	1	6.92	210117	20.0
2-Pentanone, 4-me...	5.93	4.1	ng	42609	1	6.92	210117	20.0
unknown6.68	6.68	95.8	ng	1006590	1	6.92	210117	20.0
unknown10.88	10.88	3.0	ng	25080	4	11.45	165783	20.0
Dibenzothiophene	11.35	2.4	ng	19540	4	11.45	165783	20.0
1H-Cyclopropa[l]p...	11.95	3.0	ng	24468	4	11.45	165783	20.0
Anthracene, 2-met...	11.97	5.0	ng	41682	4	11.45	165783	20.0
4H-Cyclopenta[def...	12.07	10.7	ng	88720	4	11.45	165783	20.0
n-Hexadecanoic acid	12.24	9.8	ng	81672	4	11.45	165783	20.0
7H-Benzo[c]fluorene	13.13	3.4	ng	27175	5	14.18	159858	20.0
Pyrene, 1-methyl-	13.24	5.5	ng	43820	5	14.18	159858	20.0
11H-Benzo[b]fluorene	13.31	3.1	ng	24519	5	14.18	159858	20.0
Pyrene, 4-methyl-	13.35	2.5	ng	19659	5	14.18	159858	20.0
unknown14.29	14.29	2.7	ng	21749	5	14.18	159858	20.0
Perylene	15.64	13.4	ng	23474	6	15.77	34952	20.0
unknown17.92	17.92	9.8	ng	17059	6	15.77	34952	20.0
3,4:8,9-Dibenzopy...	19.93	26.3	ng	45890	6	15.77	34952	20.0
1,2:4,5-Dibenzopy...	20.12	26.9	ng	46978	6	15.77	34952	20.0
Indeno[1,2,3-fg]n...	21.05	21.8	ng	38118	6	15.77	34952	20.0
unknown21.32	21.32	23.9	ng	41684	6	15.77	34952	20.0