LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087816.D
Acq On : 8 Jun 2016 18:20
Operator : UM/SJ
Sample : H3378-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-17

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-BF060716.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	1.758	14	15	24	rVV	113948	241286	6.50%	1.007%
2	1.884	24	26	37	rVB	2307630	3710385	100.00%	15.479%
3	4.982	295	297	303	rVB	79734	90664	2.44%	0.378%
4	5.416	332	335	337	rBV	893358	1078278	29.06%	4.498%
5	6.456	423	426	428	rBV	1204788	1170917	31.56%	4.885%
6	6.593	435	438	440	rBV	1117095	1159795	31.26%	4.838%
7	6.822	456	458	461	rVB	700406	632077	17.04%	2.637%
8	6.982	469	472	474	rBV	1144075	944419	25.45%	3.940%
9	7.382	505	507	510	rBV	586653	636333	17.15%	2.655%
10	7.690	531	534	536	rVB	28037	37627	1.01%	0.157%
11	8.113	568	571	573	rBV	1018919	944342	25.45%	3.940%
12	9.188	663	665	668	rVB	1203891	1170582	31.55%	4.883%
13	9.588	698	700	702	rVB	110384	85741	2.31%	0.358%
14	9.873	722	725	726	rBV	880507	937081	25.26%	3.909%
15	9.896	726	727	729	rVB	108602	99505	2.68%	0.415%
16	10.068	741	742	744	rBV	61179	55378	1.49%	0.231%
17	10.411	771	772	775	rVB	99874	90300	2.43%	0.377%
18	10.651	791	793	796	rBV	675518	692093	18.65%	2.887%
19	10.959	817	820	822	rBV2	23658	40702	1.10%	0.170%
20	11.108	829	833	836	rBV3	13312	39149	1.06%	0.163%
21	11.245	843	845	847	rVB	44857	46078	1.24%	0.192%
22	11.348	852	854	855	rBV	673104	778049	20.97%	3.246%
23	11.382	855	857	858	rVV	564607	765151	20.62%	3.192%
24	11.428	858	861	862	rVV	223841	206366	5.56%	0.861%
25	11.474	862	865	869	rVB2	27842	44613	1.20%	0.186%
26	11.576	871	874	879	rBV2	55350	111099	2.99%	0.463%
27	11.759	889	890	892	rVB	35859	37613	1.01%	0.157%
28	11.851	896	898	899	rBV	101481	105040	2.83%	0.438%
29	11.885	899	901	903	rVB2	106112	137830	3.71%	0.575%
30	11.931	903	905	906	rBV2	42000	50969	1.37%	0.213%
31	11.965	906	908	912	rVV2	155336	223457	6.02%	0.932%
32	12.148	923	924	928	rVB2	79565	110687	2.98%	0.462%
33	12.399	943	946	948	rBV	57817	74311	2.00%	0.310%
34	12.434	948	949	952	rVB2	35710	54455	1.47%	0.227%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H3378-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-17

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.479	952	953	958	rBV3	33177	54908	1.48%	0.229%
36	12.559	958	960	963	rVB	717270	734745	19.80%	3.065%
37	12.708	970	973	977	rBV3	24580	62615	1.69%	0.261%
38	12.788	977	980	983	rBV	693525	802622	21.63%	3.348%
39	12.834	983	984	987	rVB2	25187	40714	1.10%	0.170%
40	12.937	991	993	996	rVB	862276	848075	22.86%	3.538%
41	13.017	996	1000	1001	rBV2	45356	83011	2.24%	0.346%
42	13.119	1003	1009	1011	rBV	107323	164810	4.44%	0.688%
43	13.188	1011	1015	1016	rBV	80101	92054	2.48%	0.384%
44	13.222	1016	1018	1019	rBV	84442	88710	2.39%	0.370%
45	13.314	1024	1026	1027	rBV	48929	42848	1.15%	0.179%
46	13.348	1027	1029	1030	rBV	31224	37576	1.01%	0.157%
47	13.520	1041	1044	1047	rBV5	22543	59415	1.60%	0.248%
48	13.622	1050	1053	1056	rBV	52857	70923	1.91%	0.296%
49	13.737	1060	1063	1064	rBV2	63816	101296	2.73%	0.423%
50	13.782	1064	1067	1070	rVV3	29847	96579	2.60%	0.403%
51	13.988	1081	1085	1090	rBV2	900045	1542397	41.57%	6.434%
52	14.091	1093	1094	1095	rBV	48538	37550	1.01%	0.157%
53	14.377	1117	1119	1121	rBV2	57666	67959	1.83%	0.284%
54	15.005	1171	1174	1179	rBV	283553	581567	15.67%	2.426%
55	15.108	1181	1183	1185	rVB	67580	66286	1.79%	0.277%
56	15.291	1197	1199	1202	rVB	159041	227260	6.12%	0.948%
57	15.360	1202	1205	1207	rVV	189000	297151	8.01%	1.240%
58	15.417	1207	1210	1216	rVB	498159	731735	19.72%	3.053%
59	16.091	1267	1269	1275	rVB4	37008	84810	2.29%	0.354%
60	16.800	1328	1331	1336	rVB2	97141	202296	5.45%	0.844%
61	17.211	1364	1367	1373	rBV	68720	148498	4.00%	0.619%

Sum of corrected areas: 23970782

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087816.D
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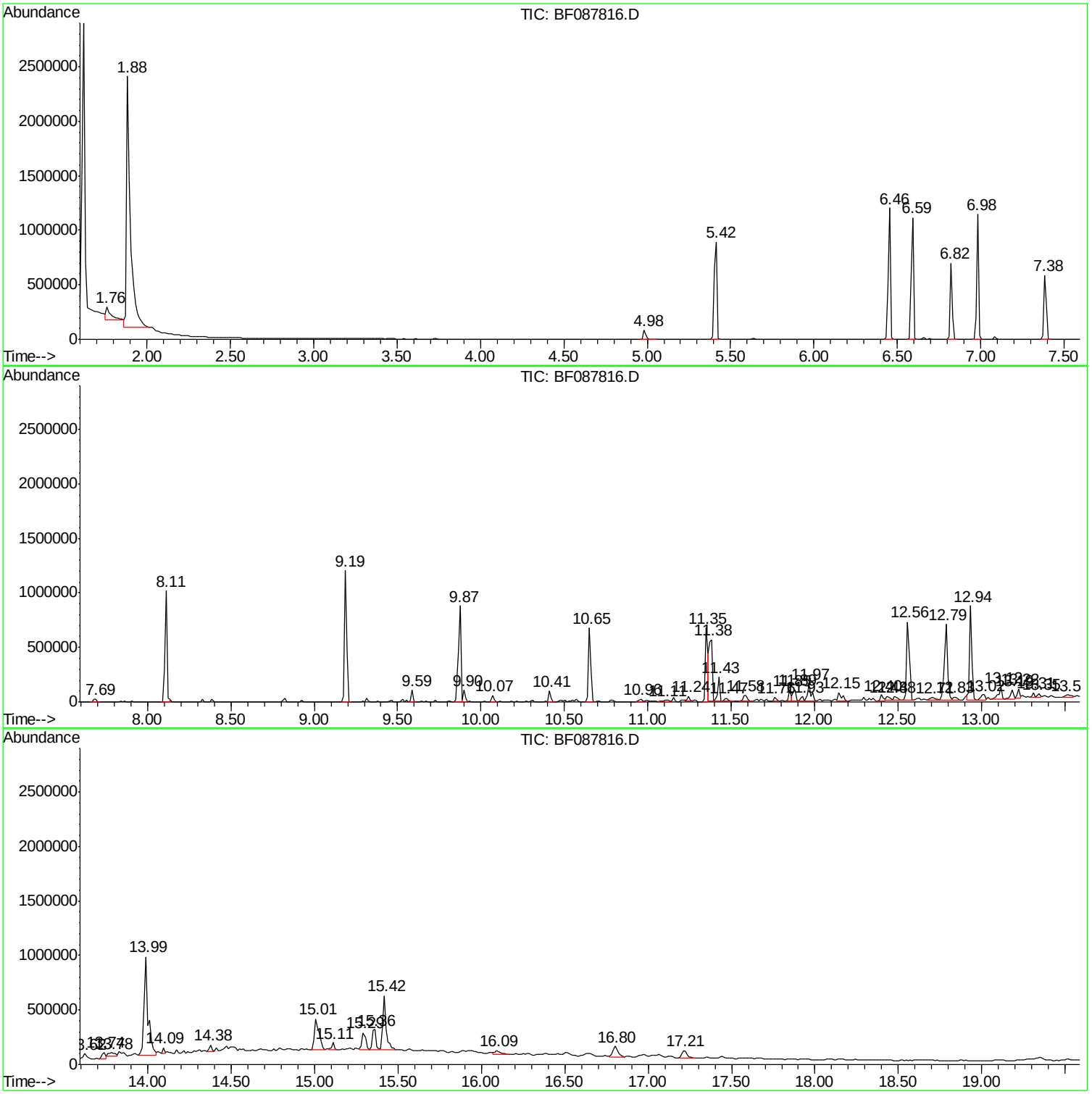
Operator : UM/SJ
Sample : H3378-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087816.D
Acq On : 8 Jun 2016 18:20
Operator : UM/SJ
Sample : H3378-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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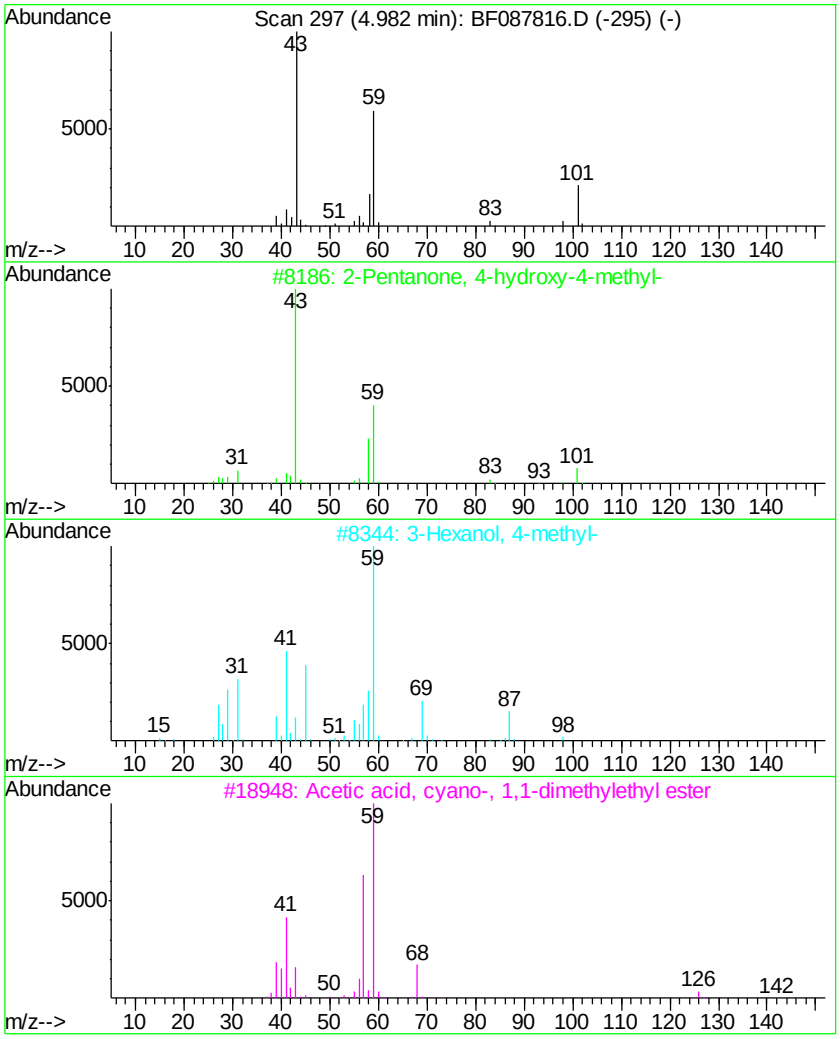
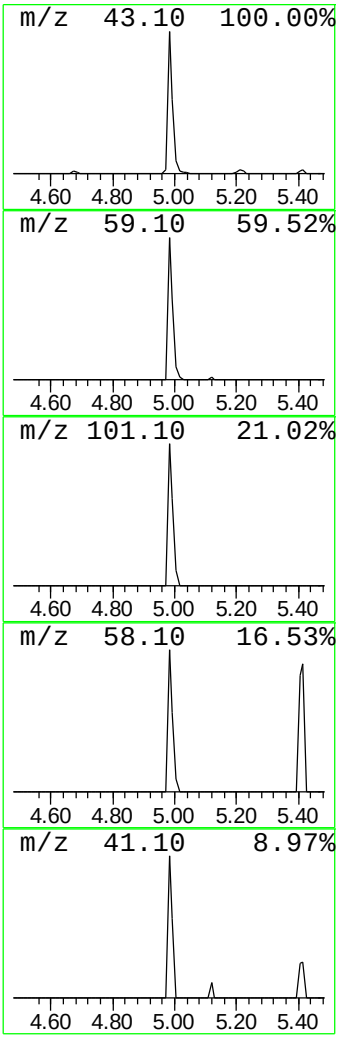
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.98	2.87 ng	90664	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	5-Hexen-2-one	98	C6H10O	000109-49-9	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087816.D
Acq On : 8 Jun 2016 18:20
Operator : UM/SJ
Sample : H3378-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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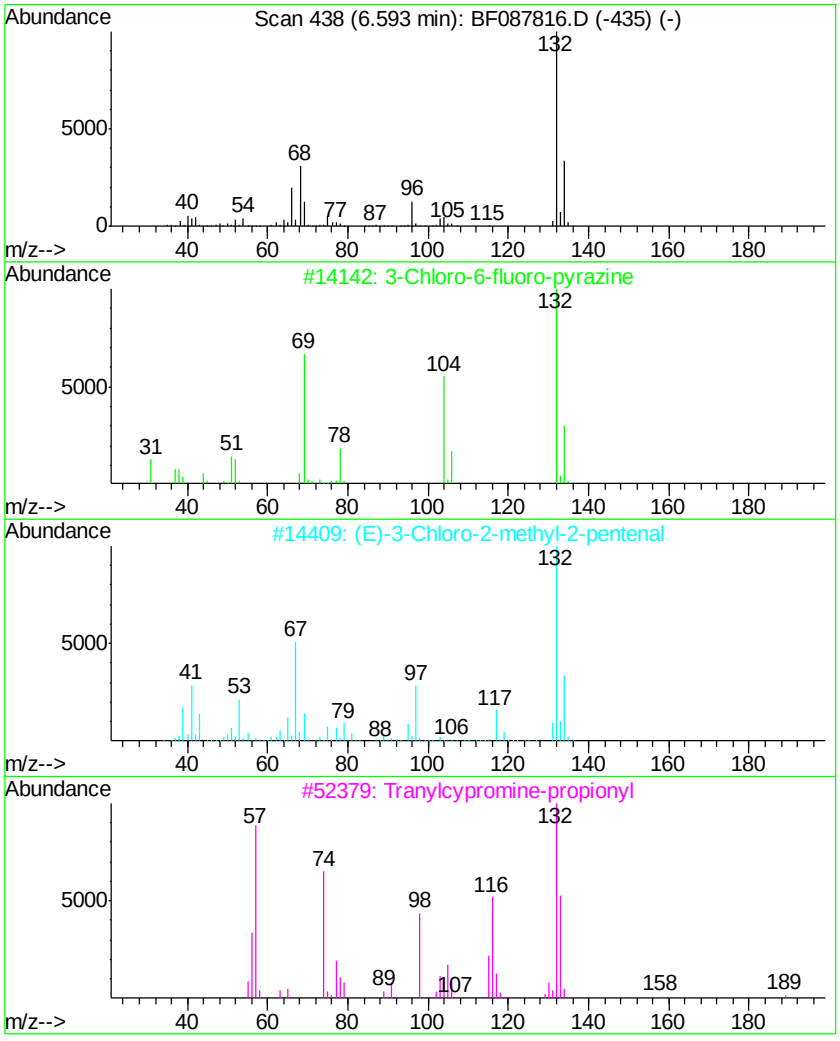
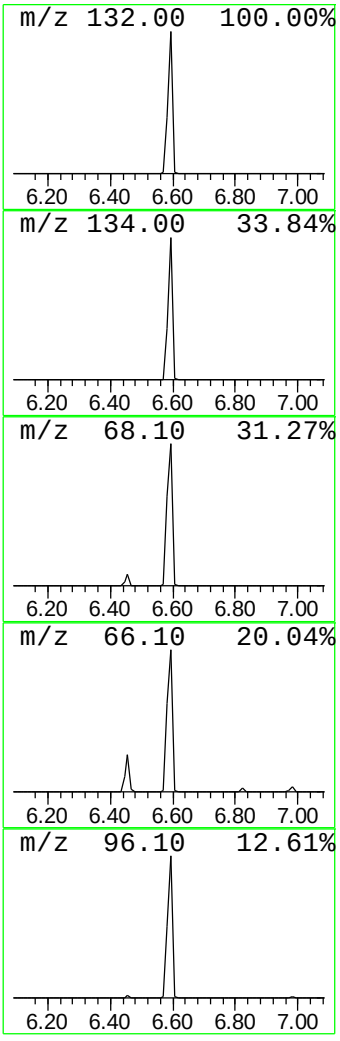
Peak Number 4 unknown6.59 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	36.70 ng	1159800	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Sample : H3378-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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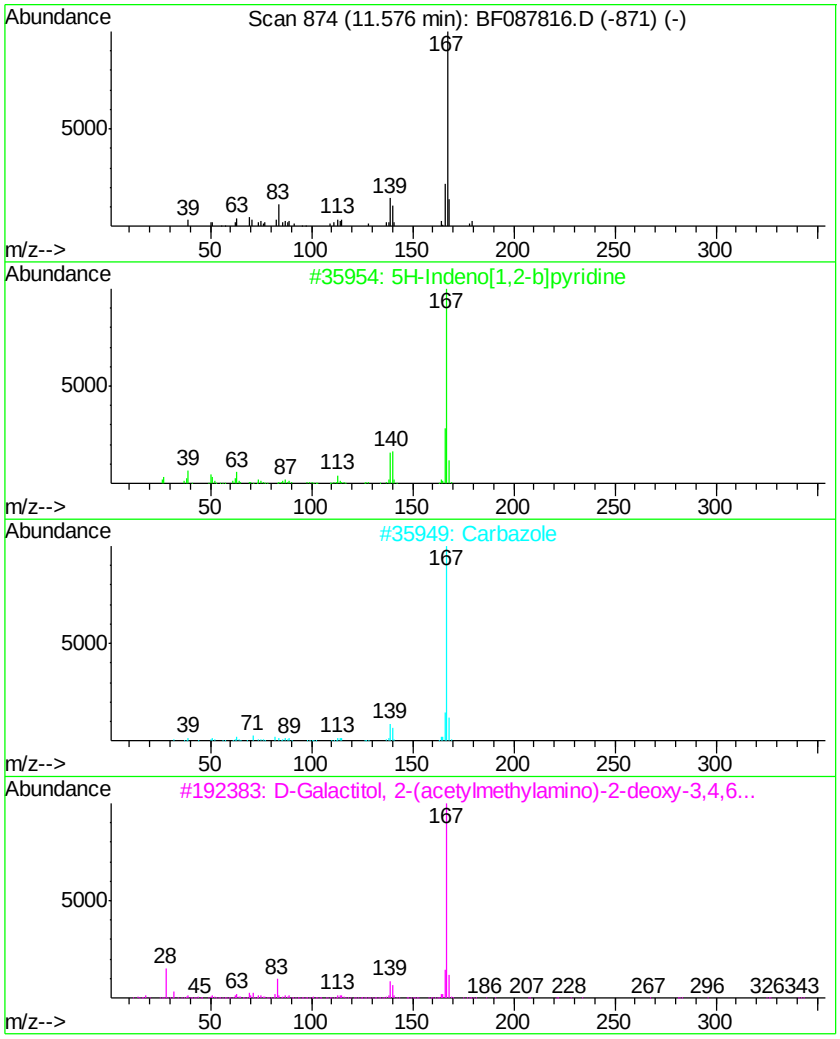
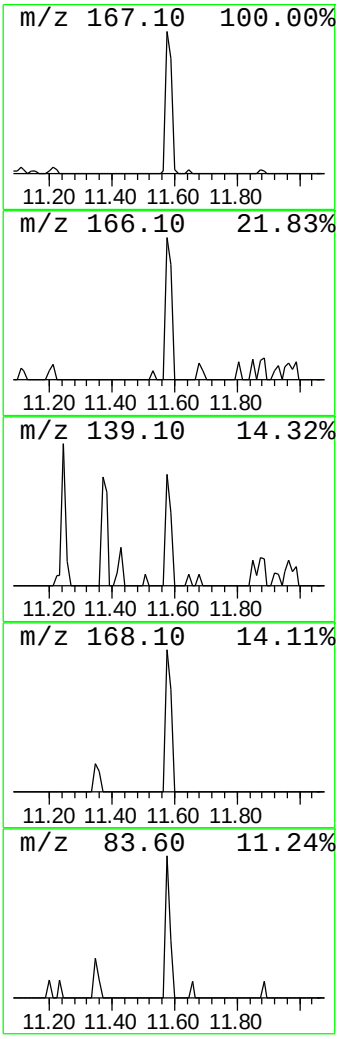
Peak Number 6 5H-Indeno[1,2-b]pyridine Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	2.86 ng	111099	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
2	Carbazole	167	C12H9N	000086-74-8	90
3	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	90
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	87
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	87





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Data File : BF087816.D
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Sample : H3378-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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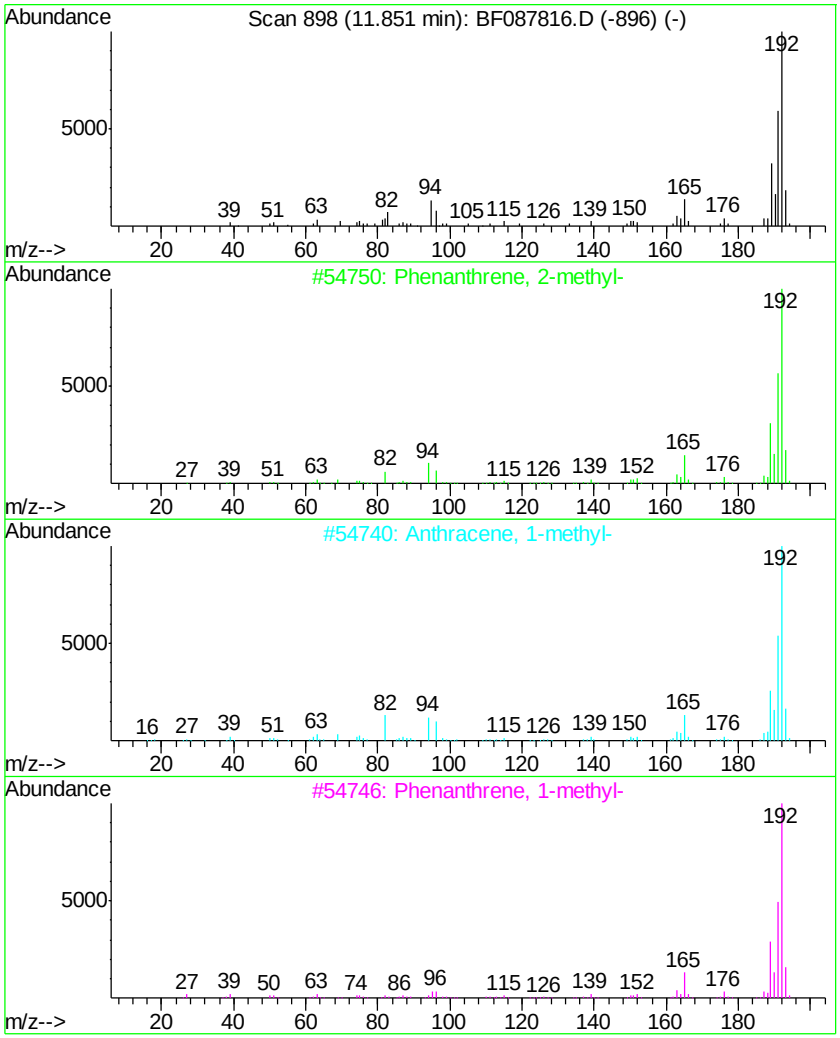
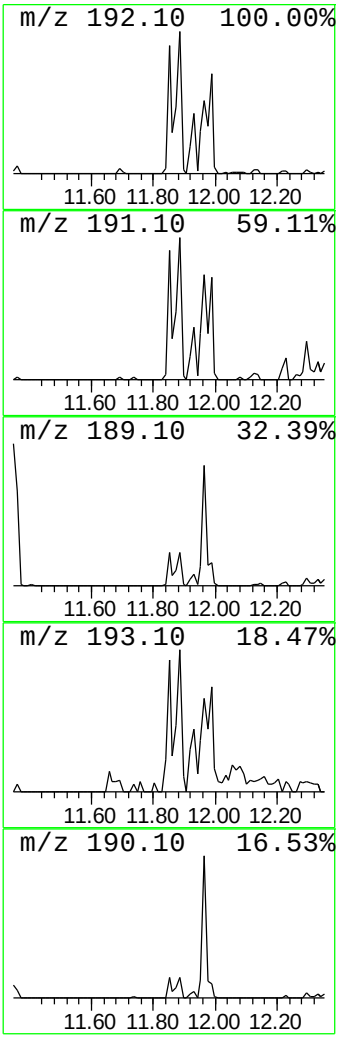
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	2.70 ng	105040	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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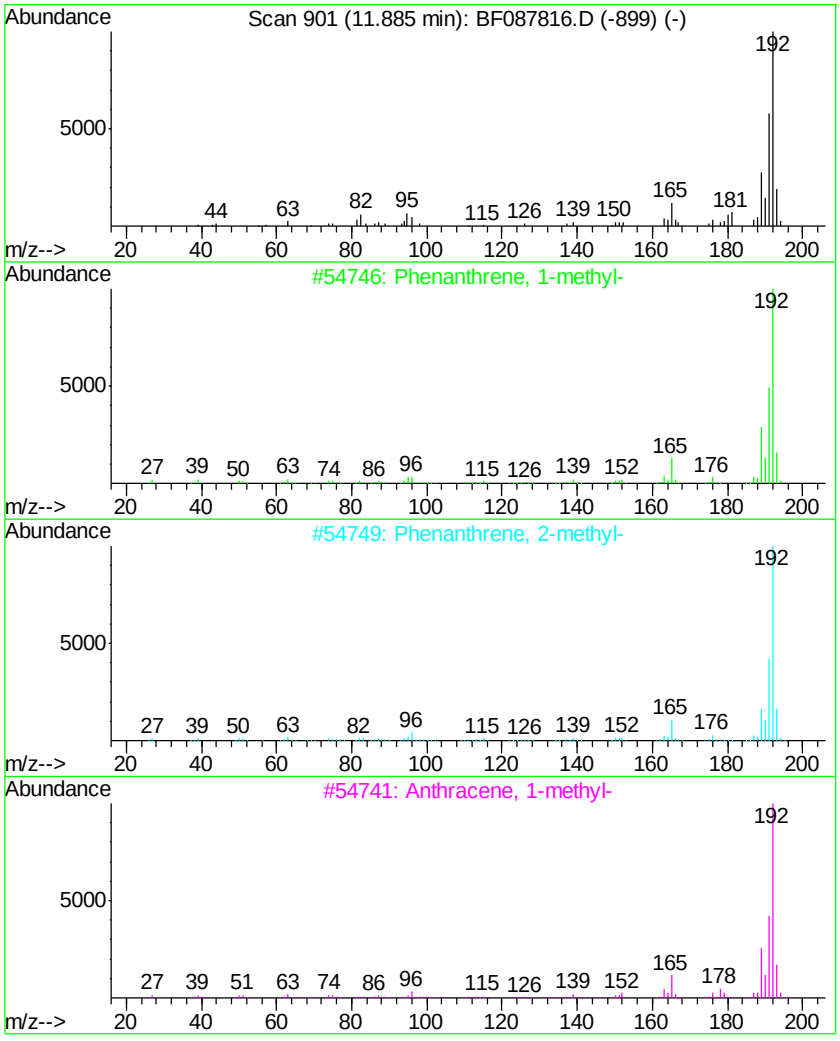
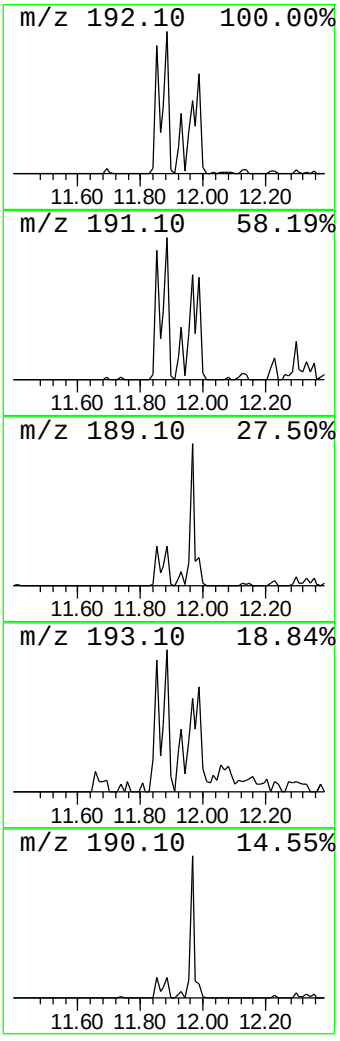
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.54 ng	137830	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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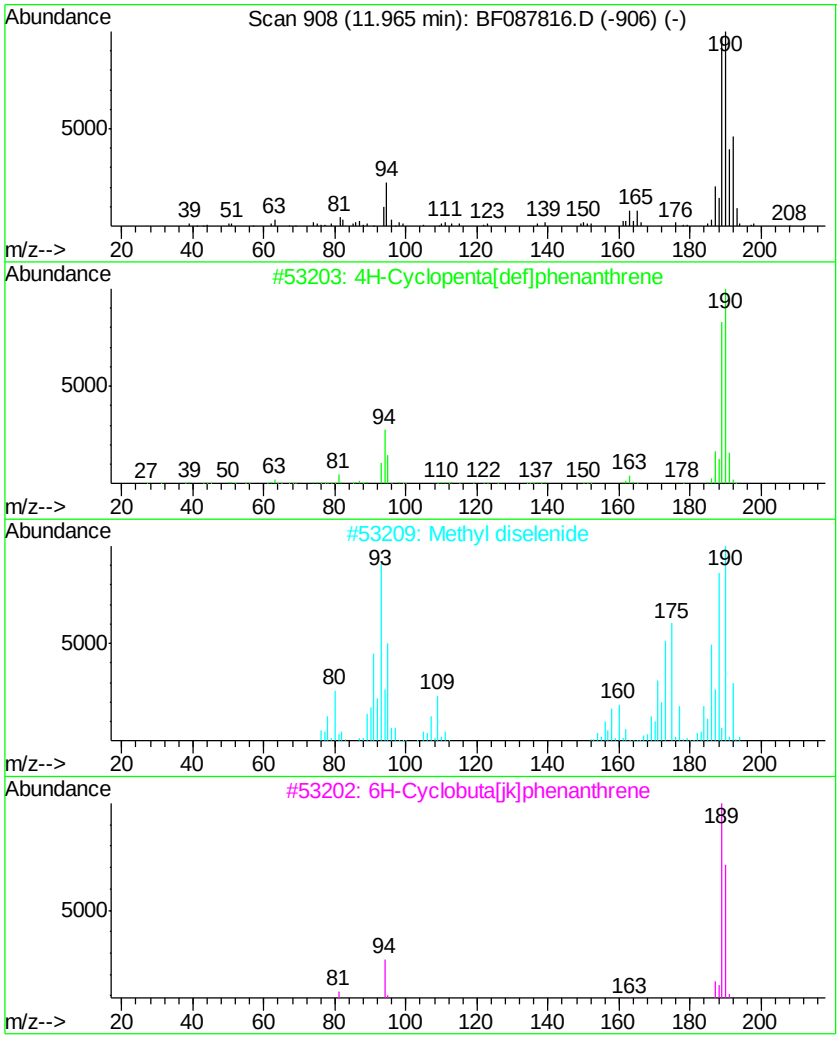
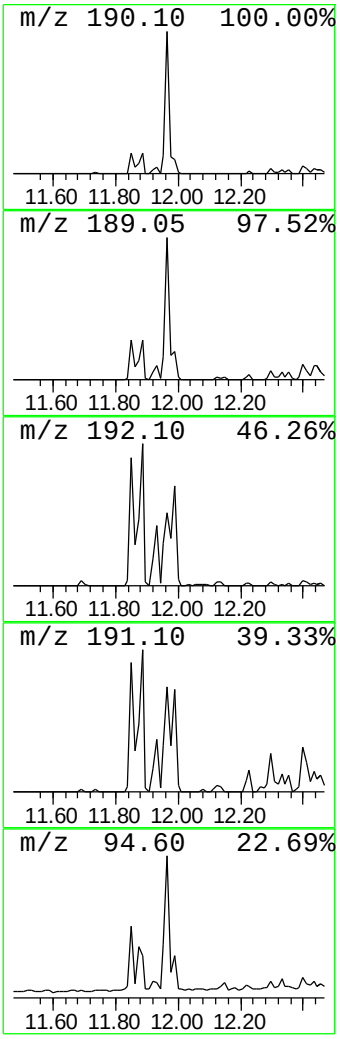
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	5.74 ng	223457	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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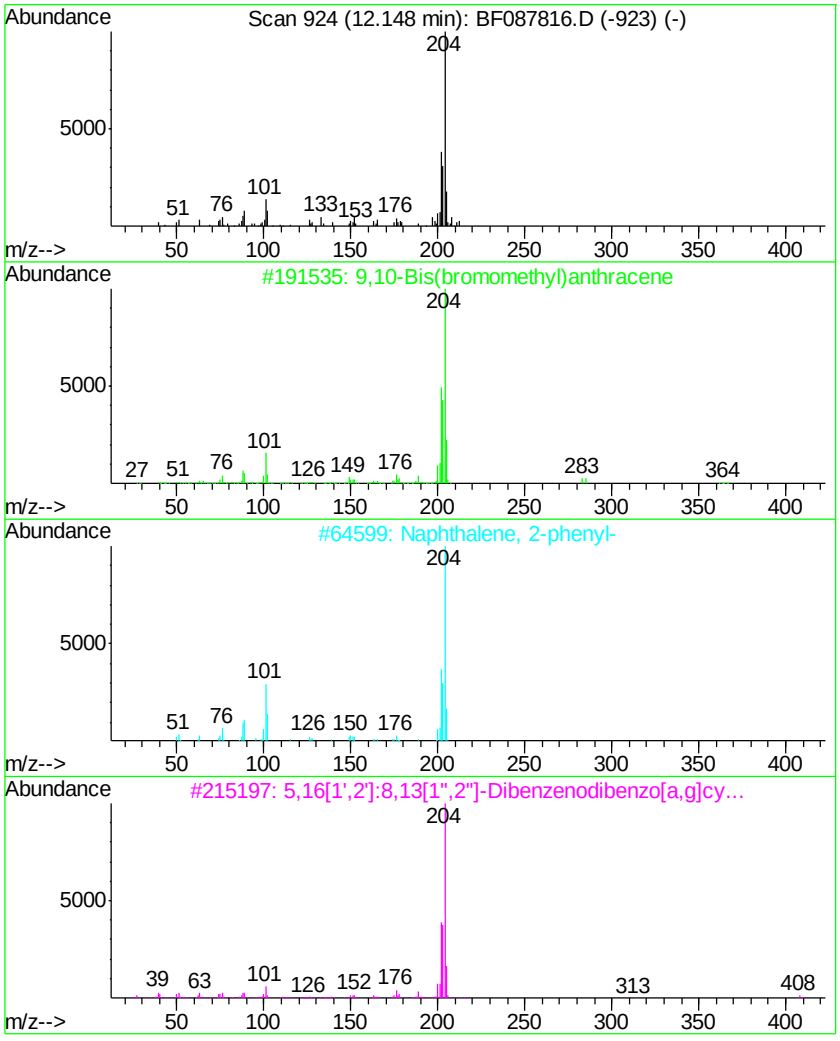
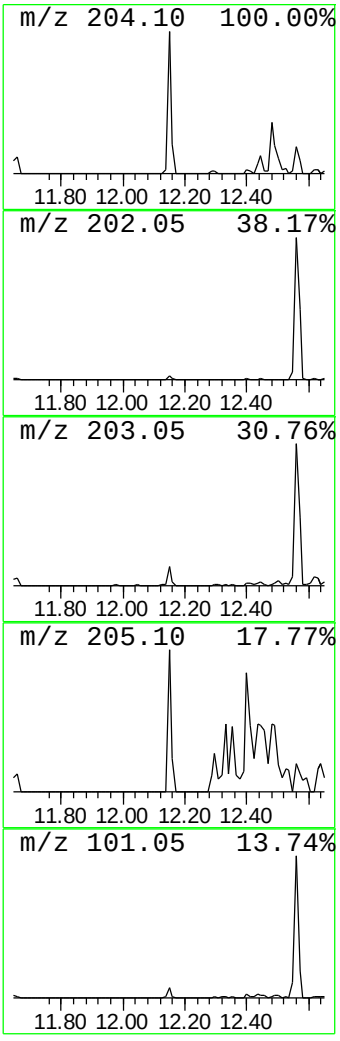
Peak Number 10 9,10-Bis(bromomethyl)anthra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	2.85 ng	110687	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	78
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
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Acq On : 8 Jun 2016 18:20
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Sample : H3378-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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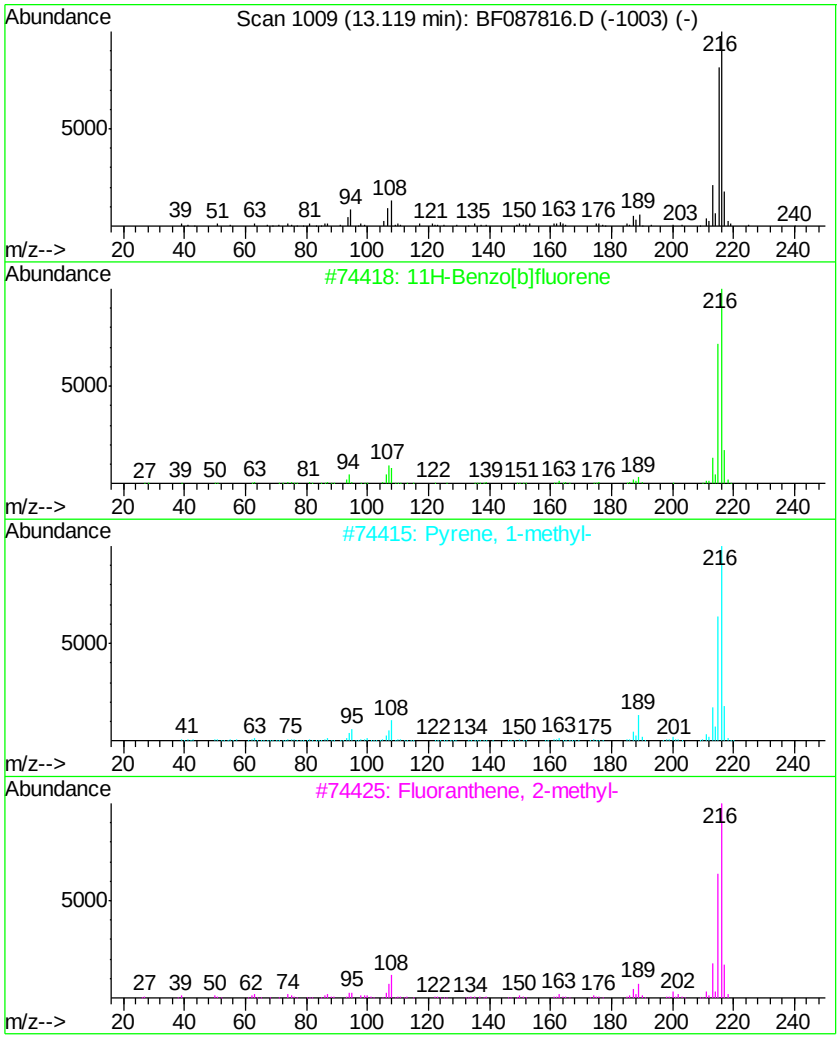
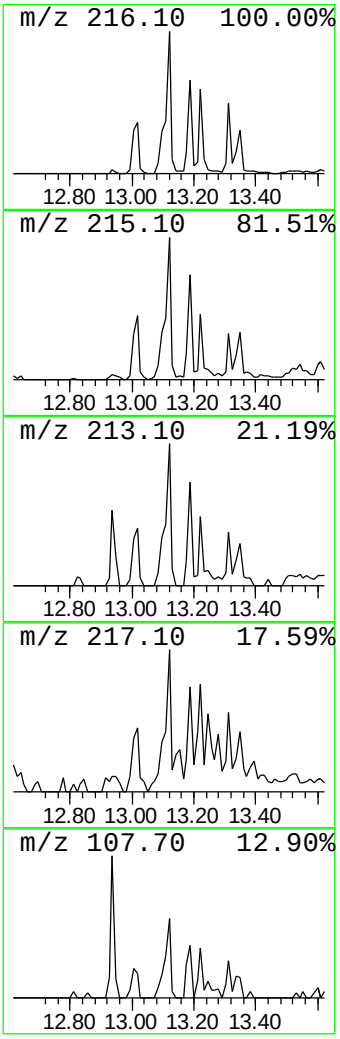
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.14 ng	164810	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087816.D
Acq On : 8 Jun 2016 18:20
Operator : UM/SJ
Sample : H3378-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

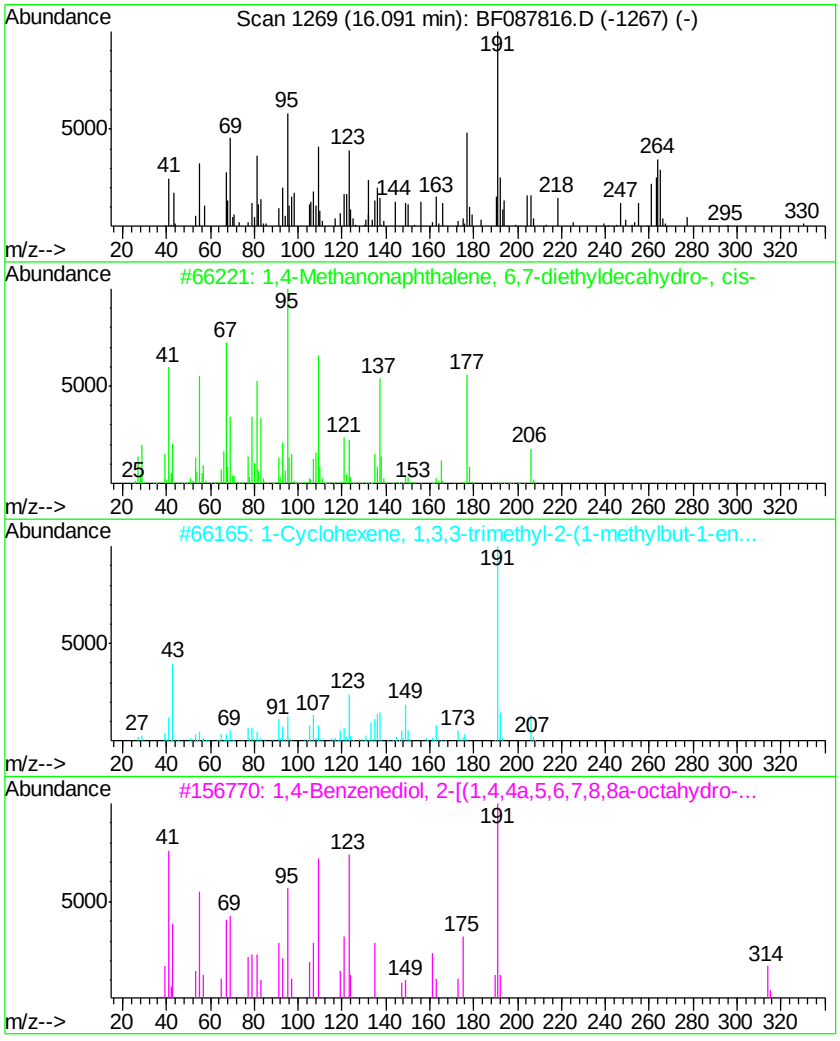
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

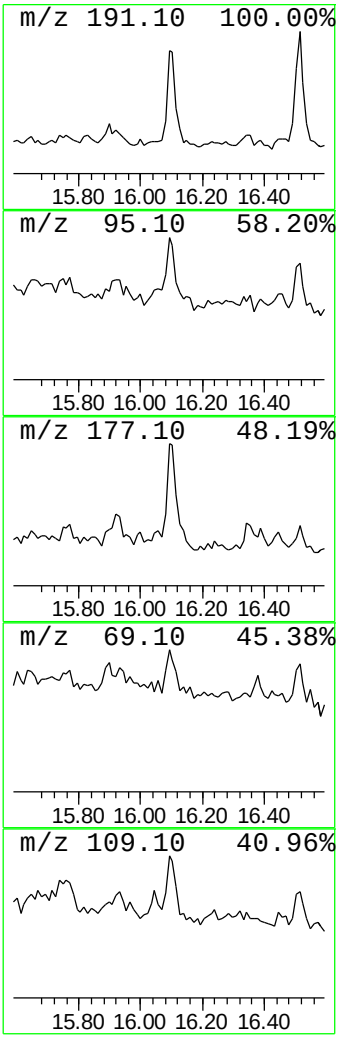
****

Peak Number 13 unknown16.09 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	2.32 ng	84810	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene, 6,7-diet...	206	C15H26	016539-02-9	38
2	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	38
3	1,4-Benzenediol, 2-[(1,4,4a,5,6,...	314	C21H30O2	039707-55-6	27
4	(3-Cyano-6-ethyl-5-methyl-pyridi...	264	C13H16N2O2S	1000300-45-4	25
5	Benzenesulfonoyl fluoride, 3-(ac...	261	C10H12FNO4S	1000319-13-9	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
Data File : BF087816.D
Acq On : 8 Jun 2016 18:20
Operator : UM/SJ
Sample : H3378-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.98	2.9	ng	90664	1	6.82	632077	20.0
unknown6.59	6.59	36.7	ng	1159800	1	6.82	632077	20.0
5H-Indeno[1,2-b]p...	11.58	2.9	ng	111099	4	11.35	778049	20.0
Phenanthrene, 2-m...	11.85	2.7	ng	105040	4	11.35	778049	20.0
Phenanthrene, 1-m...	11.89	3.5	ng	137830	4	11.35	778049	20.0
4H-Cyclopenta[def...	11.97	5.7	ng	223457	4	11.35	778049	20.0
9,10-Bis(bromomet...	12.15	2.9	ng	110687	4	11.35	778049	20.0
11H-Benzo[b]fluorene	13.12	2.1	ng	164810	5	13.99	1542400	20.0
unknown16.09	16.09	2.3	ng	84810	6	15.42	731735	20.0