LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088019.D
Acq On : 15 Jun 2016 1:21
Operator : UM/SJ
Sample : H3471-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-1100-(0-4)

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	1.724	10	12	21	rVV	246893	407251	14.69%	1.321%
2	1.850	21	23	35	rVV	1097502	1867733	67.36%	6.060%
3	2.010	35	37	53	rVB	83645	224685	8.10%	0.729%
4	4.959	293	295	301	rVB	121286	197350	7.12%	0.640%
5	5.381	329	332	335	rBV	2106050	2323480	83.79%	7.538%
6	6.433	420	424	426	rBV	1925014	2772900	100.00%	8.996%
7	6.559	432	435	437	rBV	1981889	2685802	96.86%	8.714%
8	6.616	438	440	442	rBV	153169	122005	4.40%	0.396%
9	6.787	452	455	457	rBV	521033	610771	22.03%	1.982%
10	6.936	466	468	471	rVB	1674917	2141448	77.23%	6.948%
11	7.347	501	504	507	rBV	1229477	1665670	60.07%	5.404%
12	7.462	512	514	520	rVB	32287	44874	1.62%	0.146%
13	8.067	565	567	570	rBV	819971	759218	27.38%	2.463%
14	8.467	600	602	609	rVB	94458	101690	3.67%	0.330%
15	9.153	659	662	664	rBV	2821851	2729039	98.42%	8.854%
16	9.542	694	696	698	rBV	433072	453924	16.37%	1.473%
17	9.679	707	708	711	rVB	49541	63345	2.28%	0.206%
18	9.759	714	715	718	rBV	41100	51193	1.85%	0.166%
19	9.828	718	721	723	rBV	774444	766589	27.65%	2.487%
20	10.262	758	759	761	rVB	92888	73997	2.67%	0.240%
21	10.479	776	778	781	rBV	33515	48193	1.74%	0.156%
22	10.616	787	790	792	rBV	1180236	1357807	48.97%	4.405%
23	10.731	799	800	807	rBV	75194	119104	4.30%	0.386%
24	11.188	838	840	845	rVB2	33811	65350	2.36%	0.212%
25	11.302	848	850	854	rVV2	644531	701708	25.31%	2.277%
26	11.382	854	857	858	rVB	64458	71548	2.58%	0.232%
27	11.542	868	871	875	rBV5	16260	41214	1.49%	0.134%
28	11.839	895	897	899	rVB2	34228	41203	1.49%	0.134%
29	11.919	902	904	908	rVB2	47663	86180	3.11%	0.280%
30	12.011	908	912	917	rBV4	23402	55480	2.00%	0.180%
31	12.354	939	942	944	rBV	52138	60544	2.18%	0.196%
32	12.411	944	947	948	rVB3	21623	45149	1.63%	0.146%
33	12.514	954	956	958	rVB	515423	447594	16.14%	1.452%
34	12.651	966	968	972	rBV3	14049	41142	1.48%	0.133%

LSC Area Percent Report

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Sample : H3471-16
Misc :
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Instrument : BNA_F
ClientSampleId : STA-1100-(0-4)

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

35	12.742	972	976	978	rVV	496980	602378	21.72%	1.954%
36	12.799	979	981	983	rVB2	41955	53229	1.92%	0.173%
37	12.891	986	989	992	rVB	1850459	2033295	73.33%	6.597%
38	12.959	992	995	999	rVB3	49855	83954	3.03%	0.272%
39	13.074	999	1005	1006	rBV	73971	148534	5.36%	0.482%
40	13.131	1006	1010	1012	rBV2	37305	64964	2.34%	0.211%
41	13.177	1012	1014	1015	rBV	74464	82369	2.97%	0.267%
42	13.268	1020	1022	1023	rVB	41395	33914	1.22%	0.110%
43	13.302	1023	1025	1027	rBV2	24499	35015	1.26%	0.114%
44	13.428	1034	1036	1037	rBV	95635	89470	3.23%	0.290%
45	13.474	1037	1040	1043	rVV5	40473	70879	2.56%	0.230%
46	13.577	1045	1049	1052	rBV	77699	105586	3.81%	0.343%
47	13.691	1056	1059	1060	rBV2	54351	88540	3.19%	0.287%
48	13.794	1066	1068	1072	rVB3	89028	152927	5.52%	0.496%
49	13.942	1077	1081	1086	rBV2	844637	1397346	50.39%	4.533%
50	14.045	1086	1090	1091	rBV2	37541	51688	1.86%	0.168%
51	14.114	1094	1096	1098	rVB3	31090	39590	1.43%	0.128%
52	14.319	1112	1114	1116	rBV	42988	66597	2.40%	0.216%
53	14.365	1116	1118	1119	rVB2	41429	50964	1.84%	0.165%
54	14.422	1119	1123	1124	rBV3	66405	108542	3.91%	0.352%
55	14.720	1146	1149	1152	rVB3	33857	69193	2.50%	0.224%
56	14.788	1152	1155	1159	rBV3	39033	70856	2.56%	0.230%
57	14.948	1167	1169	1174	rBV	277456	522882	18.86%	1.696%
58	15.051	1174	1178	1180	rVV2	63481	102185	3.69%	0.332%
59	15.234	1191	1194	1197	rVB	142787	189386	6.83%	0.614%
60	15.291	1197	1199	1202	rBV	172985	210012	7.57%	0.681%
61	15.348	1202	1204	1206	rBV	433826	542820	19.58%	1.761%
62	16.697	1319	1322	1327	rBV2	64155	126931	4.58%	0.412%
63	17.108	1355	1358	1363	rVB	45738	98250	3.54%	0.319%
64	17.245	1367	1370	1375	rBV6	15195	64503	2.33%	0.209%
65	17.646	1401	1405	1413	rVB	53155	170545	6.15%	0.553%
66	18.183	1449	1452	1457	rVB6	16843	50270	1.81%	0.163%

Sum of corrected areas: 30822794

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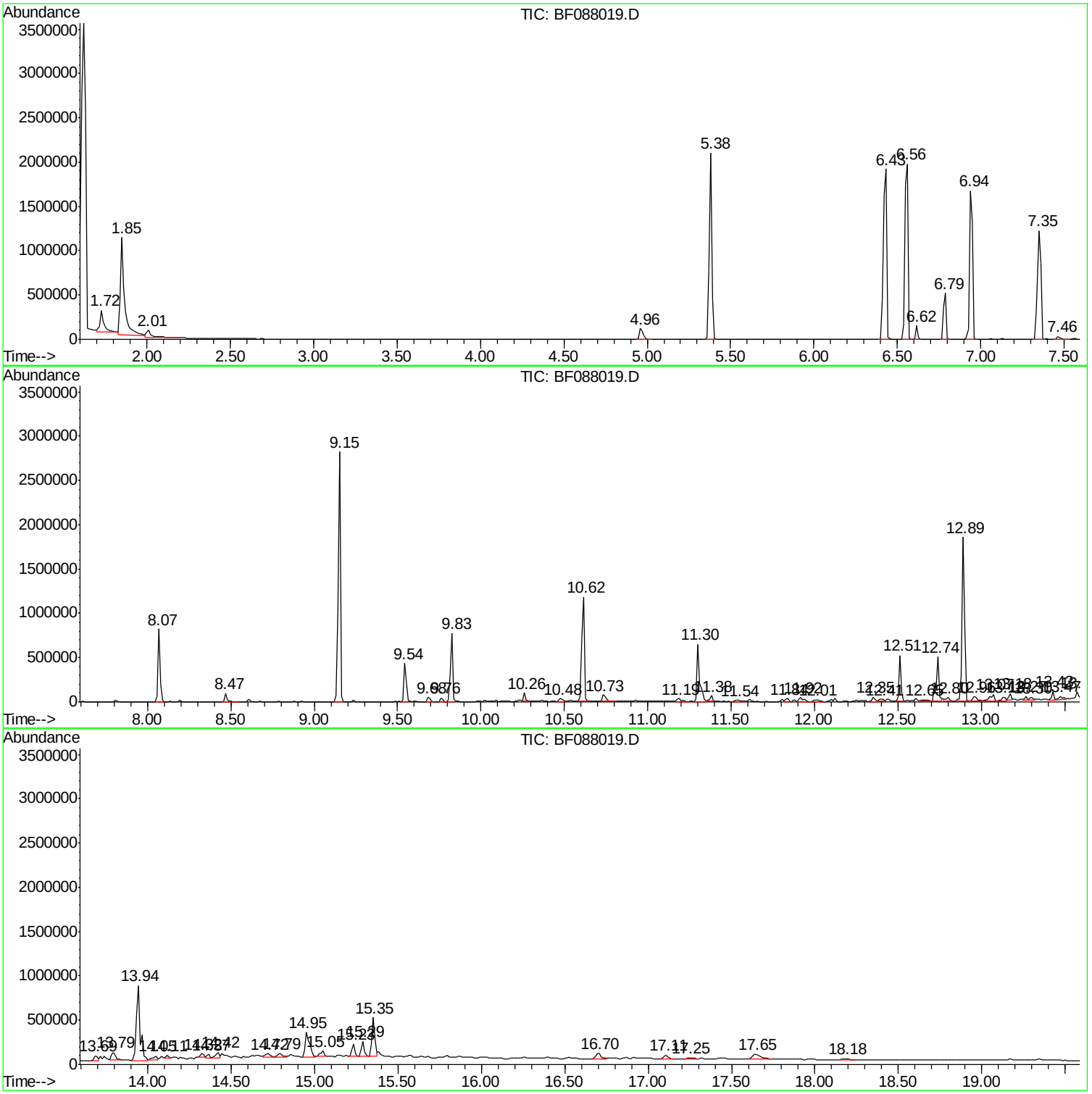
Instrument :
BNA_F
ClientSampleId :
STA-1100-(0-4)

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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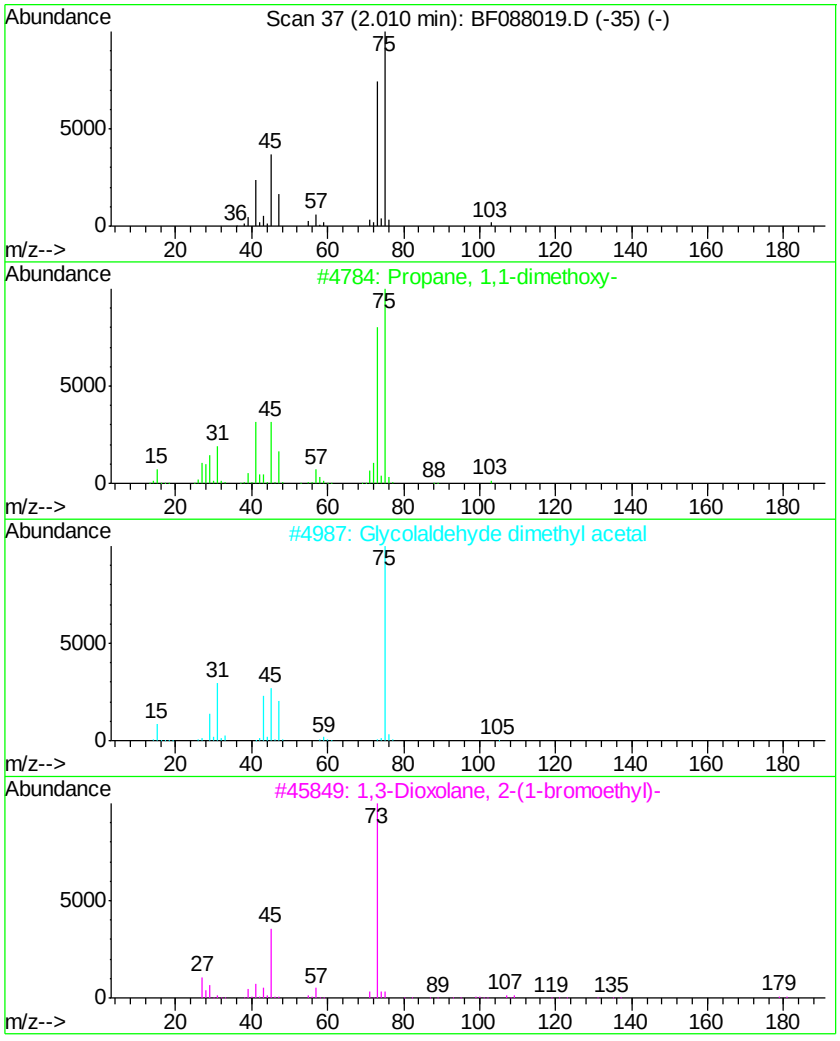
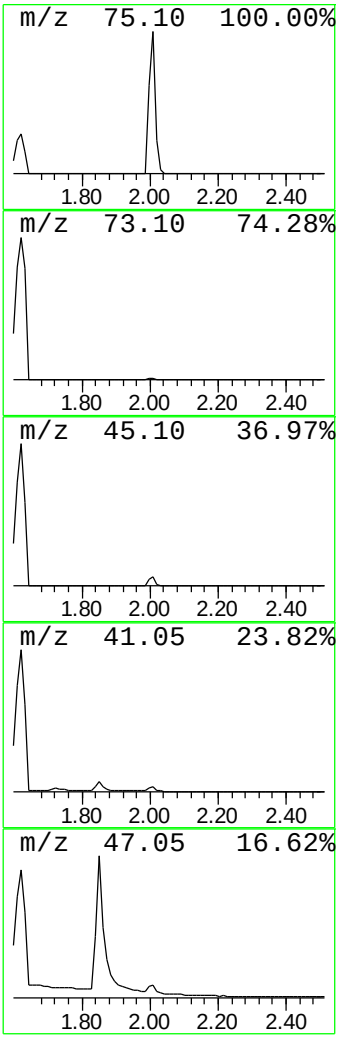
****

Peak Number 3 Propane, 1,1-dimethoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	7.36 ng	224685	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	38
3	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	12
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





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Data File : BF088019.D
Acq On : 15 Jun 2016 1:21
Operator : UM/SJ
Sample : H3471-16
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-1100-(0-4)

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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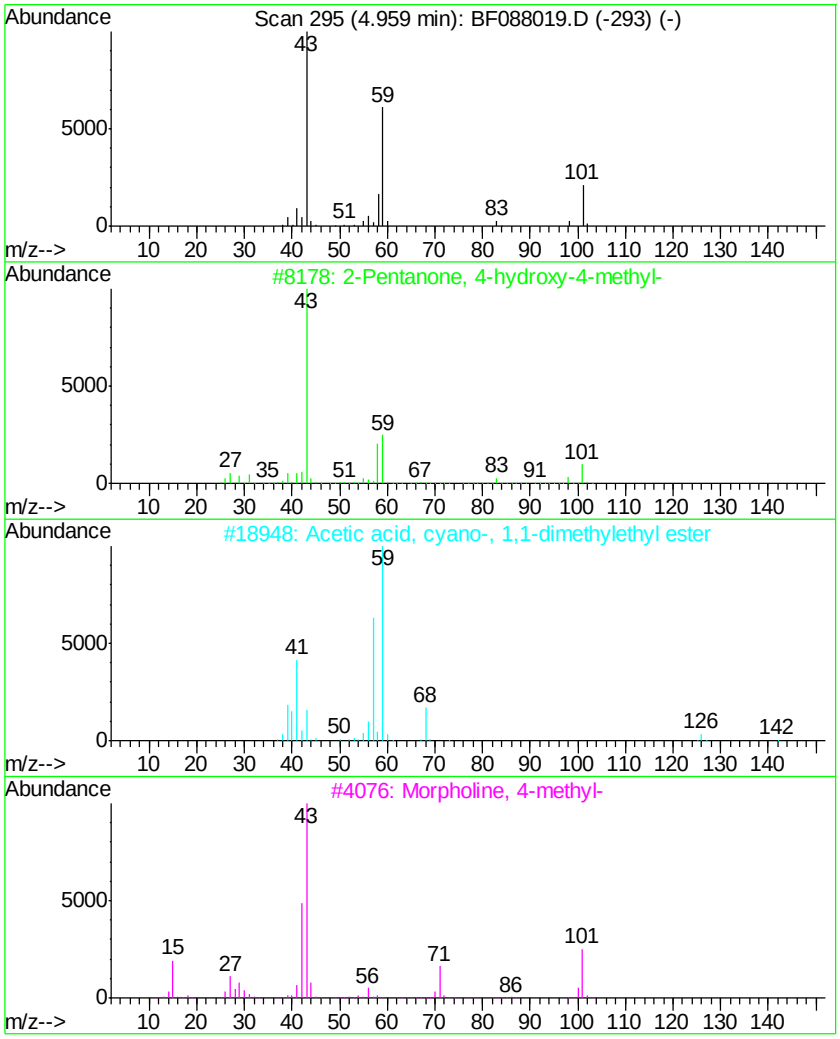
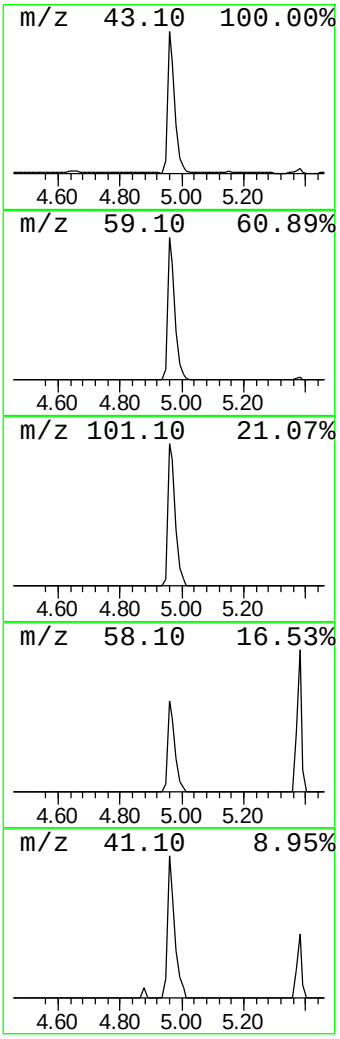
Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	6.46 ng	197350	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





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Sample : H3471-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-1100-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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TIC Library : C:\Database\NIST11.L
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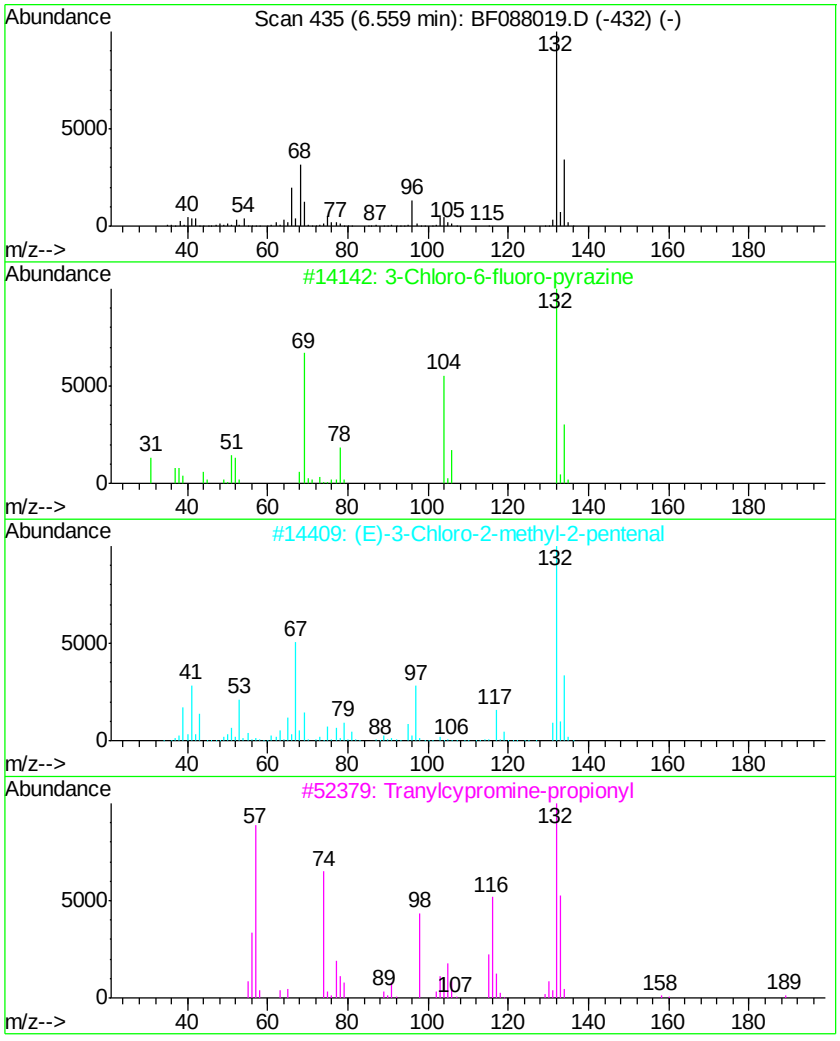
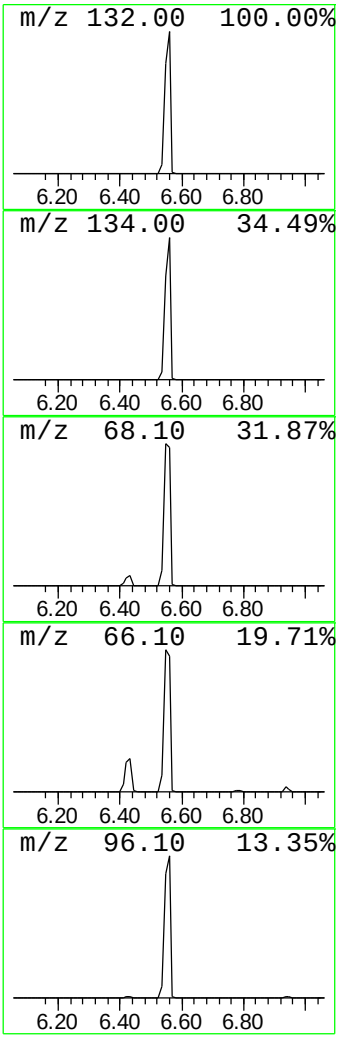
Peak Number 5 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	87.95 ng	2685800	1,4-Dichlorobenzene-d4	6.79

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	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	12





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Instrument : BNA_F
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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
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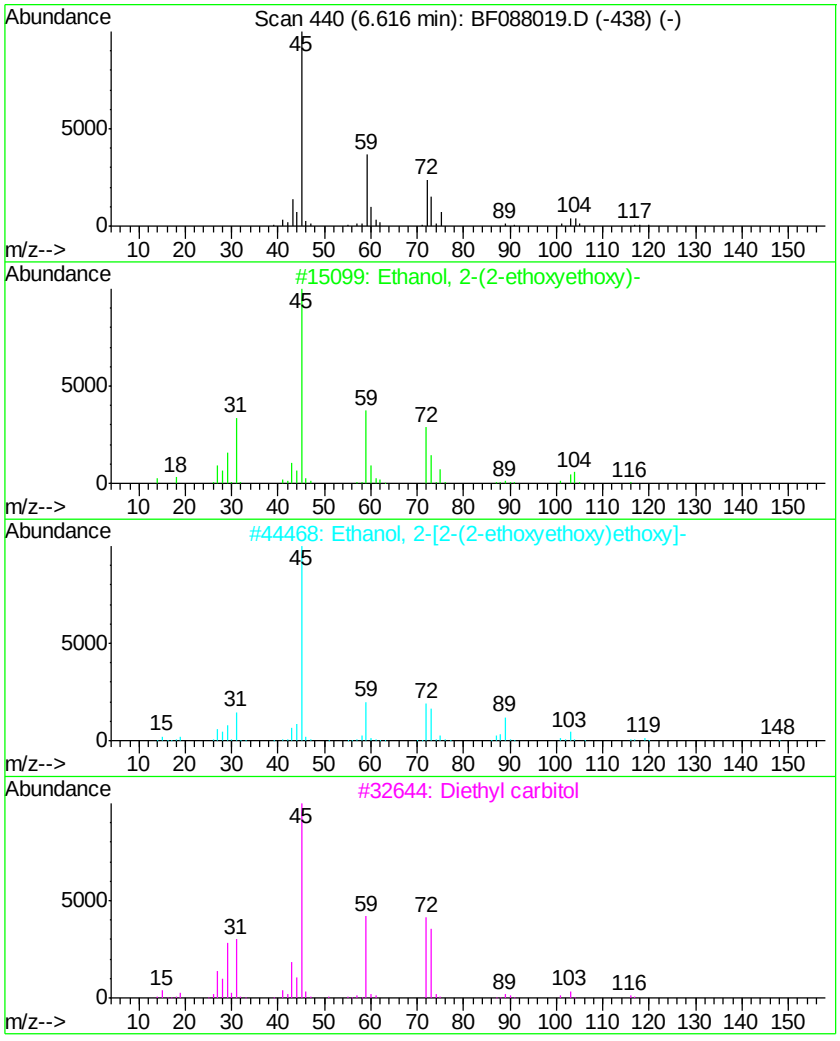
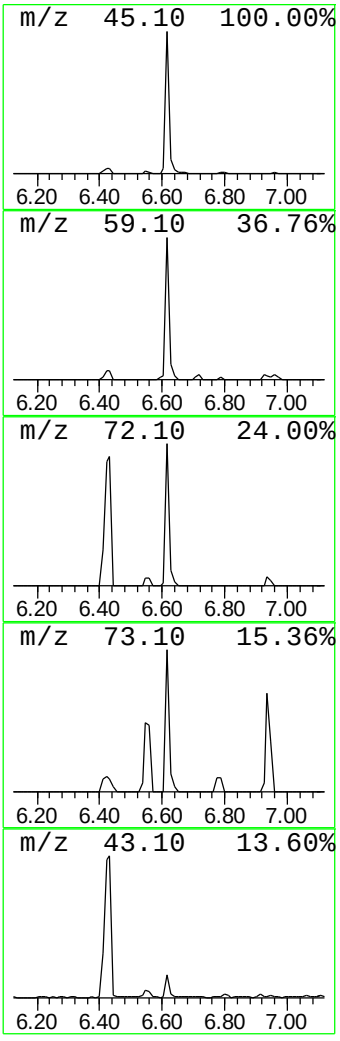
****

Peak Number 6 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	4.00 ng	122005	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	90
2	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	72
3	Diethyl carbitol	162	C8H18O3	000112-36-7	72
4	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	45
5	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	42





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Sample : H3471-16
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Instrument : BNA_F
ClientSampleId : STA-1100-(0-4)

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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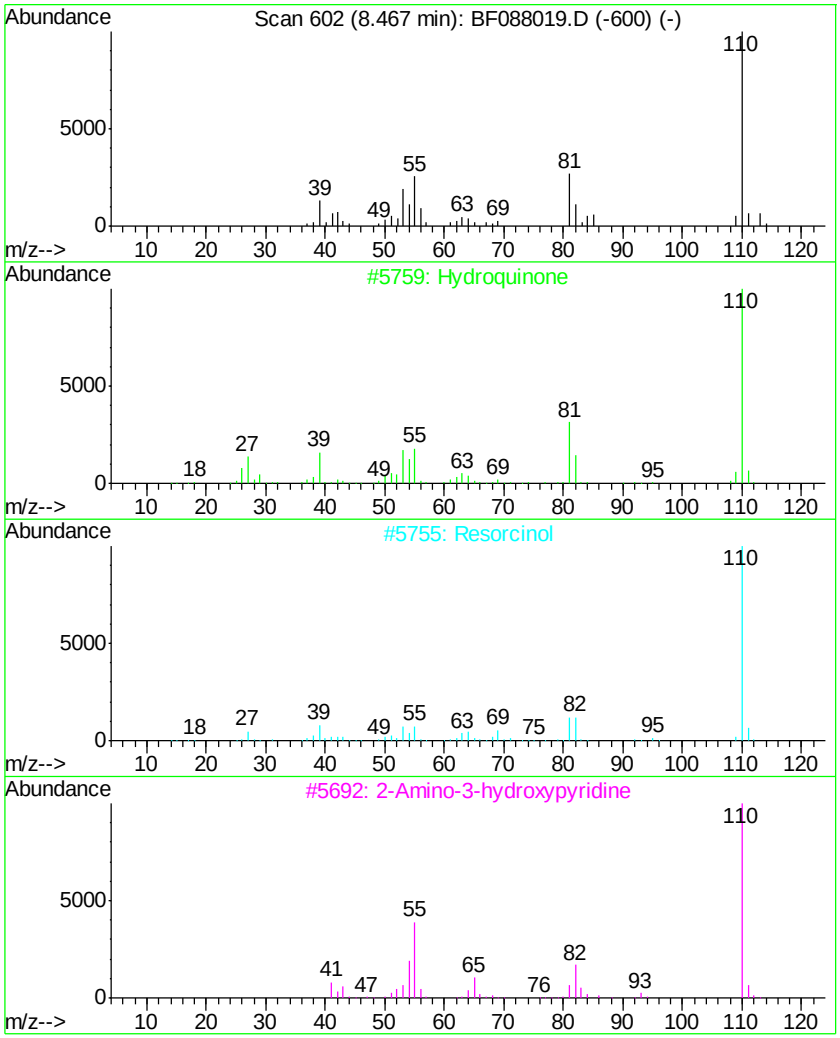
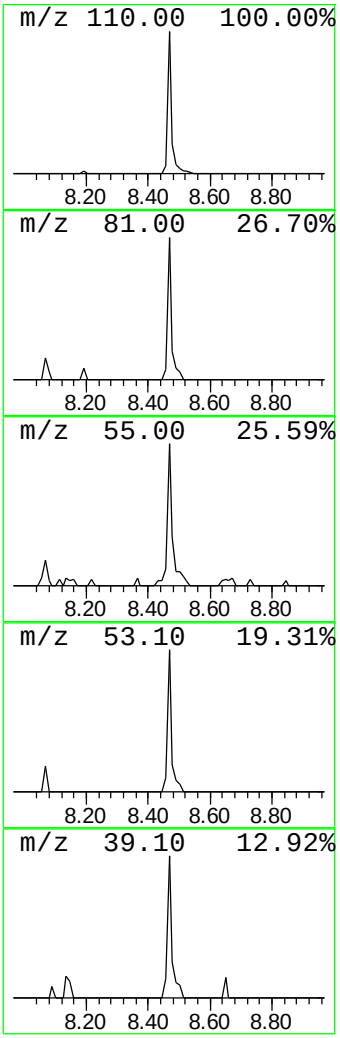
Peak Number 8 Hydroquinone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	2.68 ng	101690	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydroquinone	110	C6H6O2	000123-31-9	93
2	Resorcinol	110	C6H6O2	000108-46-3	64
3	2-Amino-3-hydroxypyridine	110	C5H6N2O	016867-03-1	53
4	Catechol	110	C6H6O2	000120-80-9	53
5	2-Furancarboxaldehyde, 5-methyl-	110	C6H6O2	000620-02-0	53





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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
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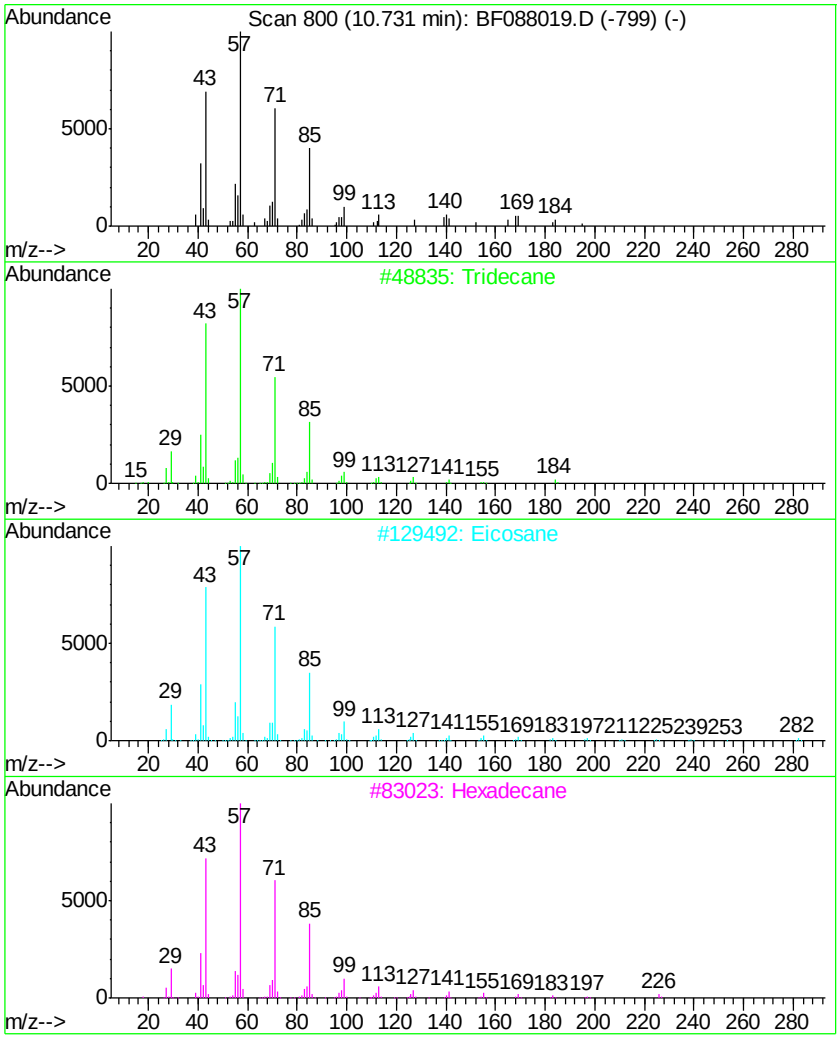
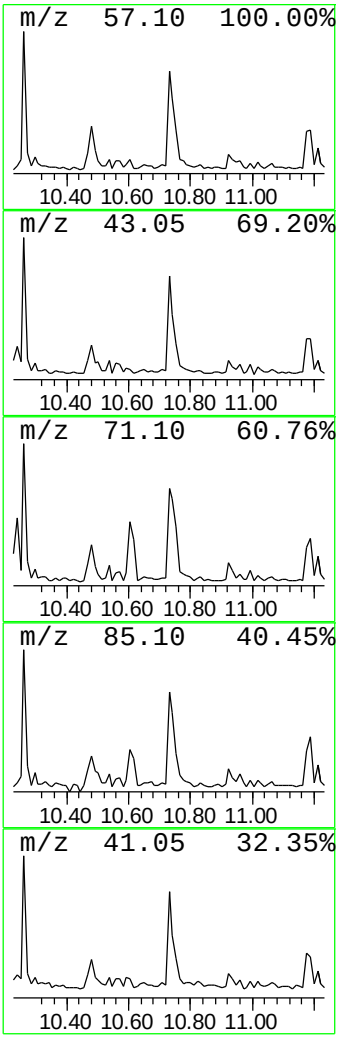
Peak Number 9 Tridecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	3.39 ng	119104	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Eicosane	282	C20H42	000112-95-8	80
3	Hexadecane	226	C16H34	000544-76-3	80
4	Pentadecane	212	C15H32	000629-62-9	80
5	Heptadecane	240	C17H36	000629-78-7	80





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-1100-(0-4)

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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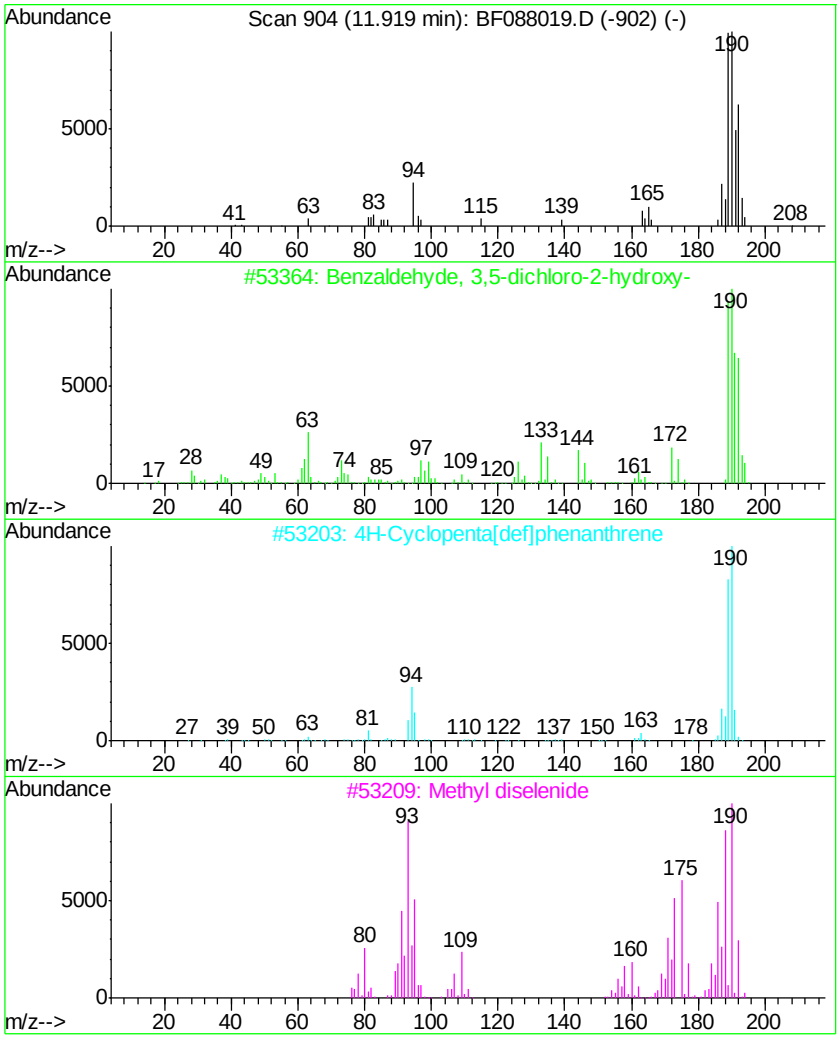
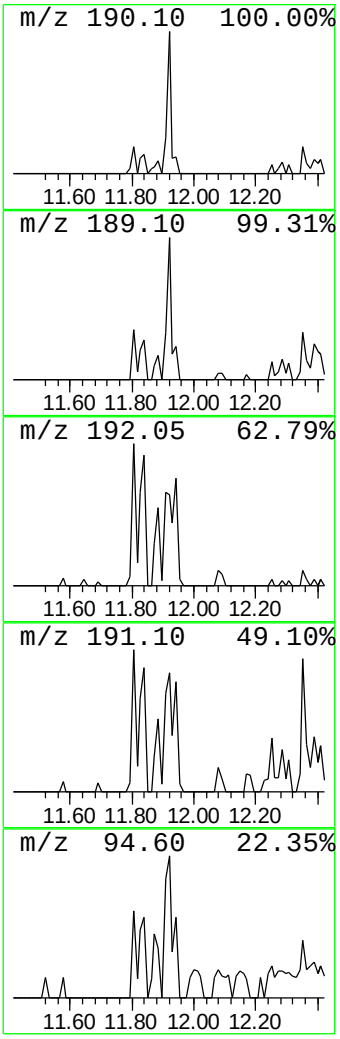
Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.46 ng	86180	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
3	Methyl diselenide	190	C2H6Se2	007101-31-7	41
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25





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Sample : H3471-16
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Instrument : BNA_F
ClientSampleId : STA-1100-(0-4)

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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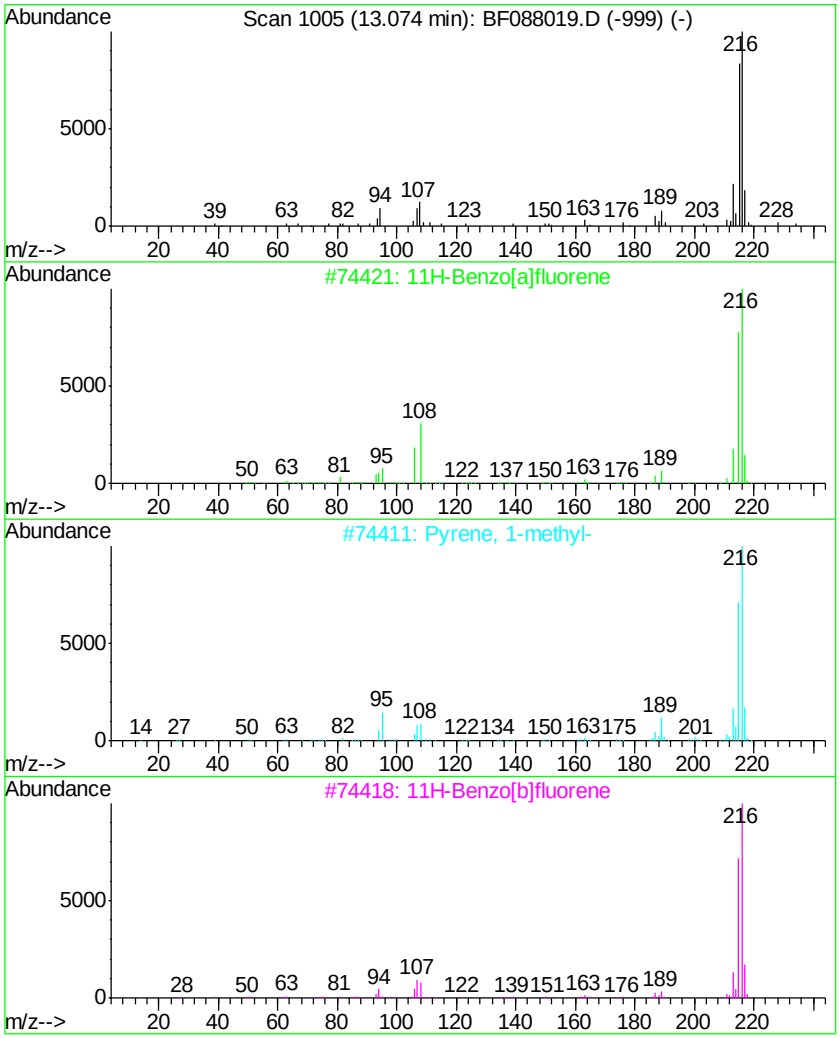
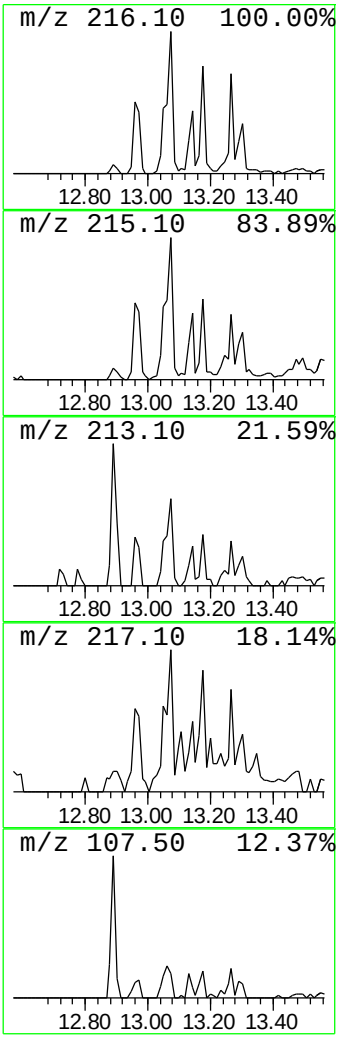
Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.13 ng	148534	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088019.D
Acq On : 15 Jun 2016 1:21
Operator : UM/SJ
Sample : H3471-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-1100-(0-4)

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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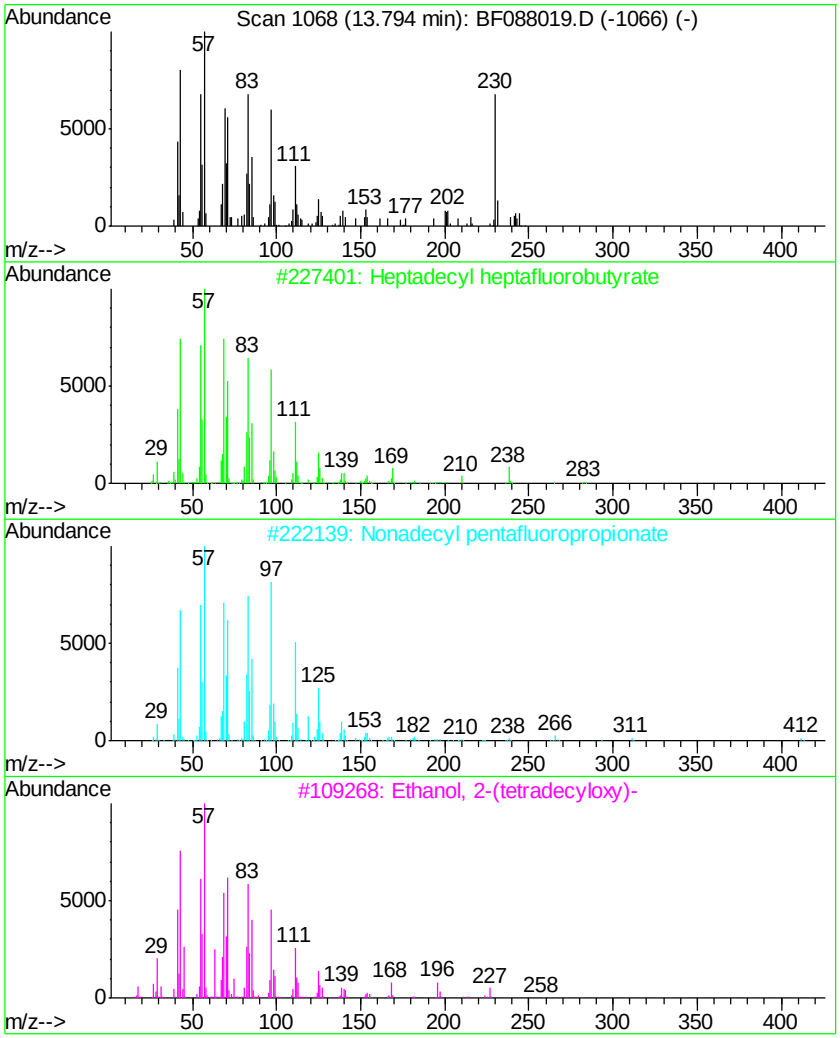
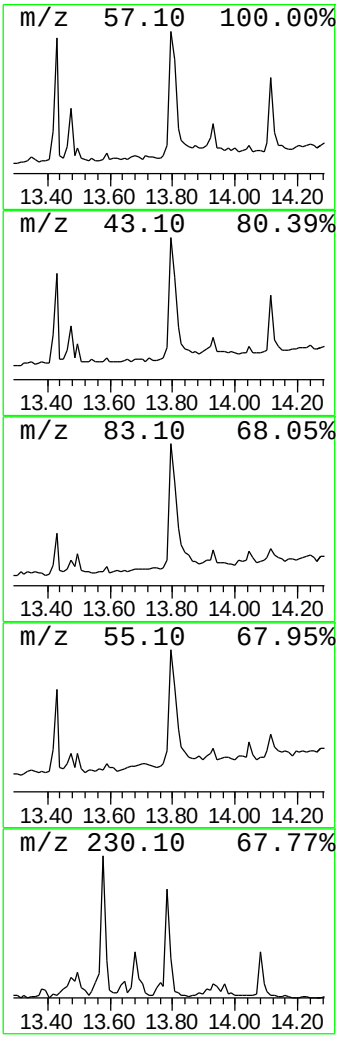
Peak Number 12 Heptadecyl heptafluorobutyrate Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	2.19 ng	152927	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
2	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	76
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	76
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	64
5	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	64





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Sample : H3471-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-1100-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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TIC Library : C:\Database\NIST11.L
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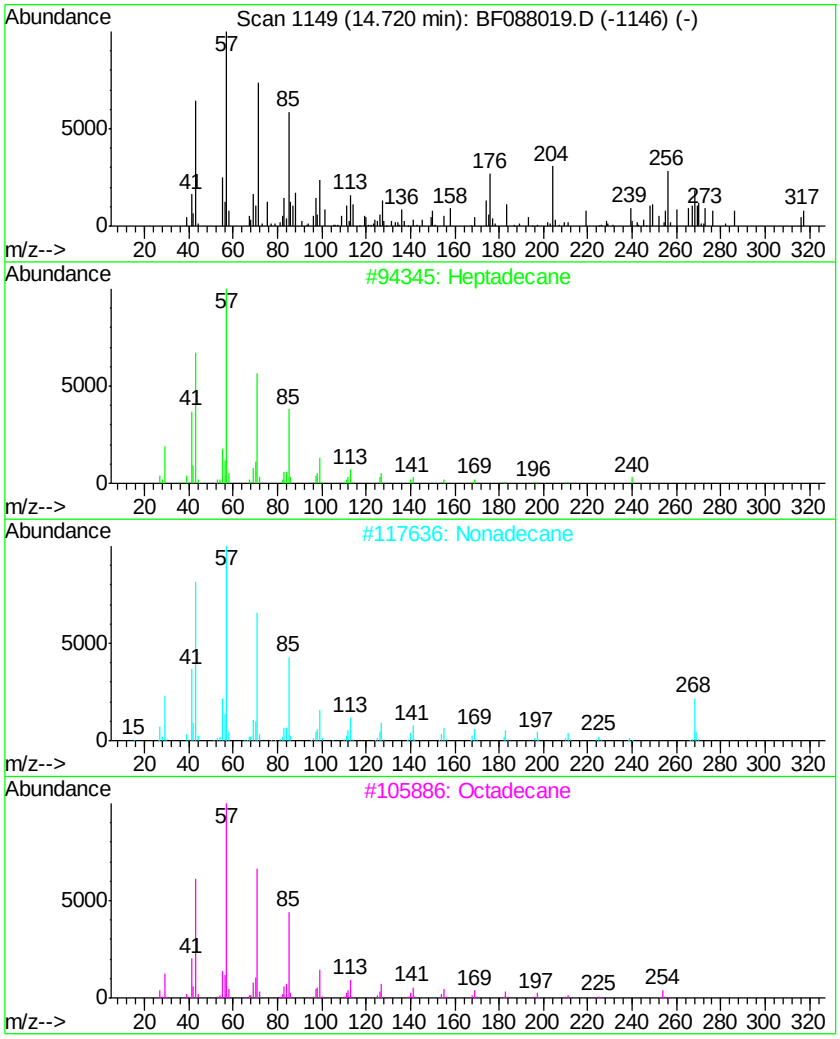
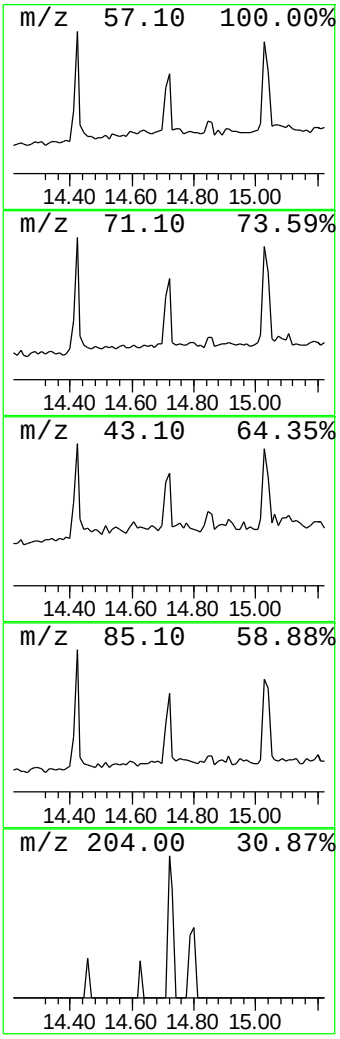
Peak Number 13 Heptadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	2.55 ng	69193	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	50
2	Nonadecane	268	C19H40	000629-92-5	49
3	Octadecane	254	C18H38	000593-45-3	45
4	Eicosane	282	C20H42	000112-95-8	45
5	Docosane	310	C22H46	000629-97-0	38





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Operator : UM/SJ
Sample : H3471-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-1100-(0-4)

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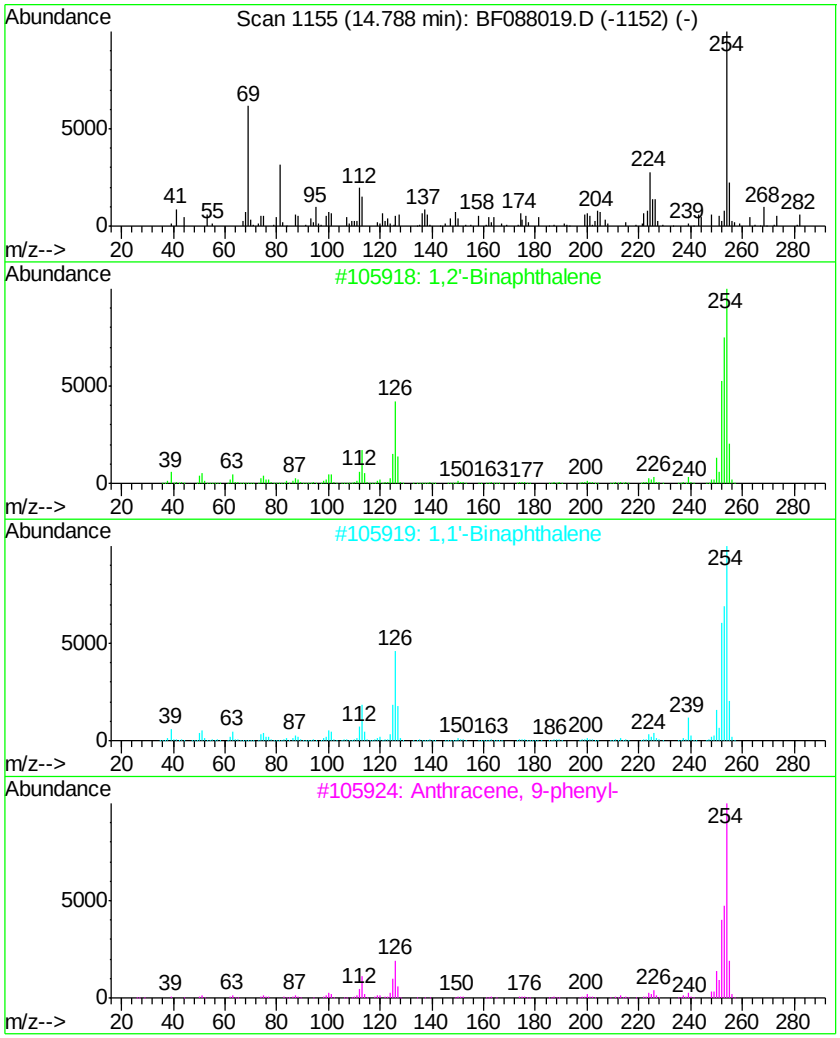
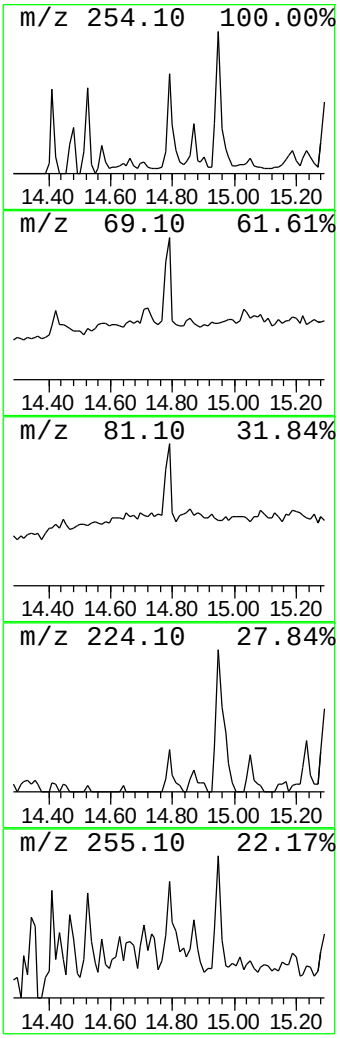
Peak Number 14 1,2'-Binaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	2.61 ng	70856	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	52
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	50
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	50
4	2,2'-Binaphthalene	254	C20H14	000612-78-2	50
5	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	47





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Instrument : BNA_F
ClientSampleId : STA-1100-(0-4)

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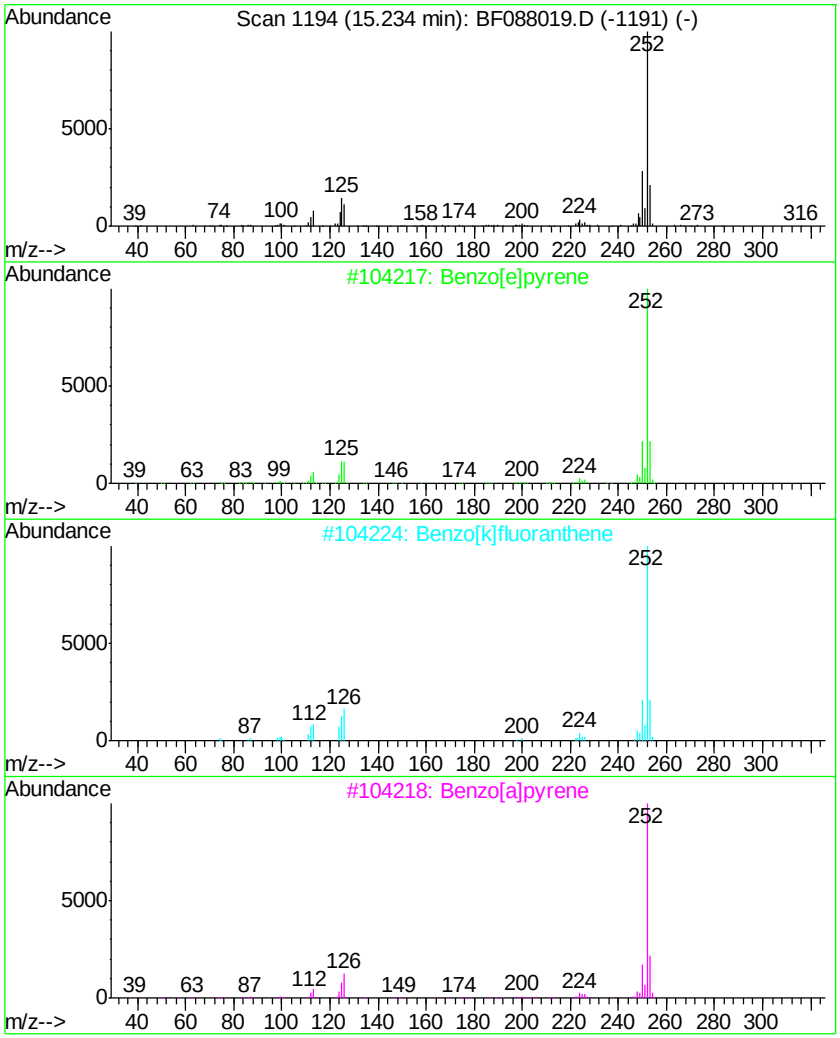
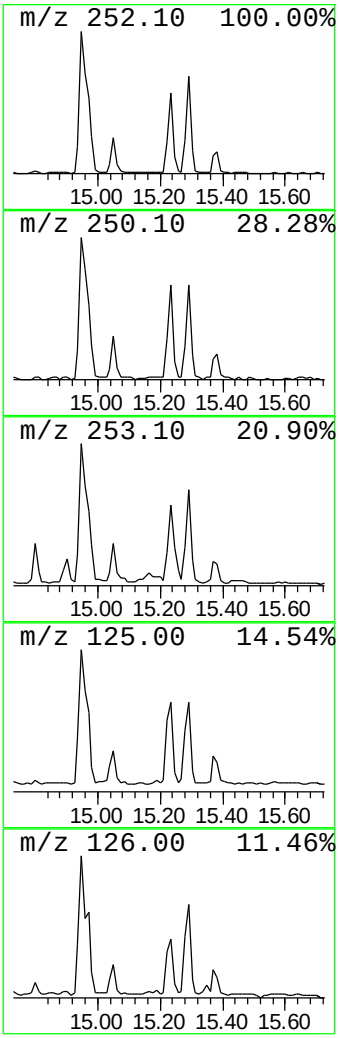
Peak Number 16 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	6.98 ng	189386	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





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Sample : H3471-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-1100-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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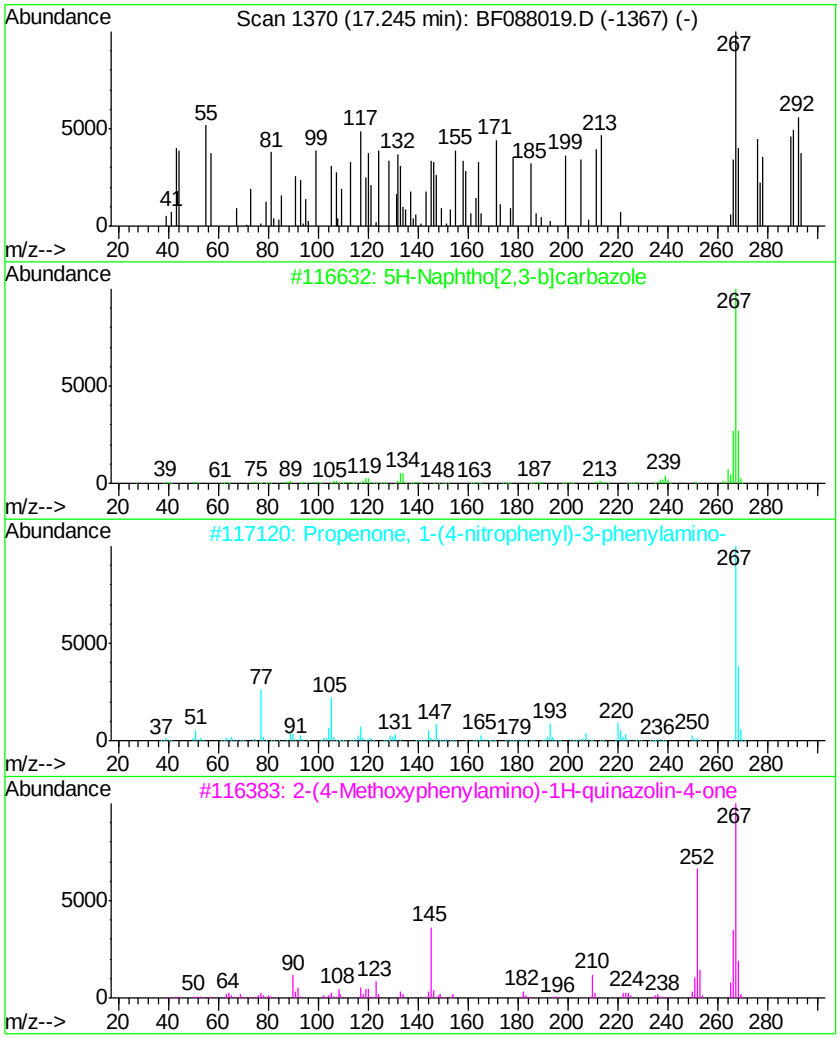
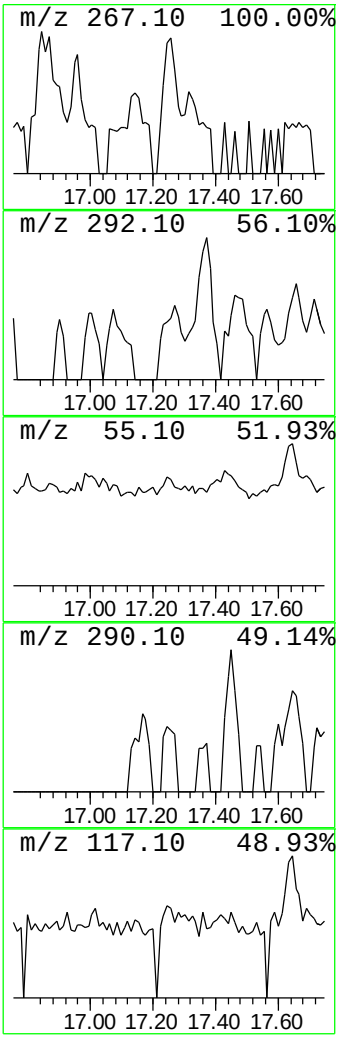
Peak Number 17 unknown17.25 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	2.38 ng	64503	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Naphtho[2,3-b]carbazole	267	C20H13N	000248-96-4	22
2	Propenone, 1-(4-nitrophenyl)-3-p...	268	C15H12N2O3	1000302-96-9	14
3	2-(4-Methoxyphenylamino)-1H-quin...	267	C15H13N3O2	1000311-37-4	14
4	Propenenitrile, 2-(2-benzothiazo...	268	C14H8N2S2	106833-31-2	14
5	2-(Trimethylsilyl)amino-4-methyl...	267	C13H25NOSi2	1000373-28-1	11





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
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Misc :
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Instrument : BNA_F
ClientSampleId : STA-1100-(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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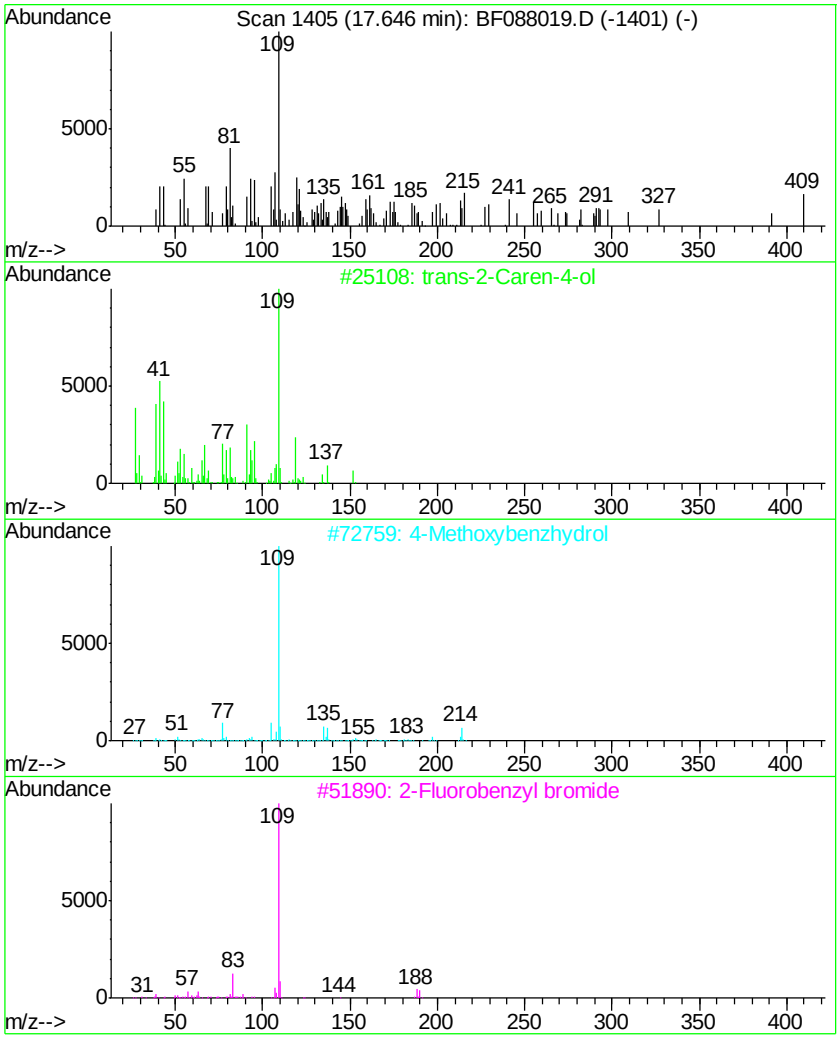
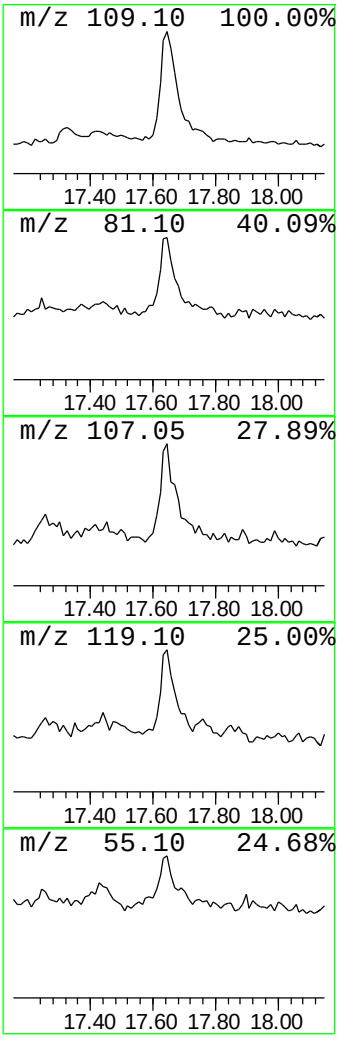
Peak Number 18 unknown17.65 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	6.28 ng	170545	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2-Caren-4-ol	152	C10H16O	004017-82-7	40
2	4-Methoxybenzhydrol	214	C14H14O2	000720-44-5	38
3	2-Fluorobenzyl bromide	188	C7H6BrF	000446-48-0	35
4	3,5-Heptadien-2-one, 6-methyl-, ...	124	C8H12O	016647-04-4	35
5	1H-1,3-Benzimidazole, 1-[(4-fluo...	292	C18H13FN2O	1000319-81-9	35





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 1,1-dime...	2.01	7.4	ng	224685	1	6.79	610771	20.0
2-Pentanone, 4-hy...	4.96	6.5	ng	197350	1	6.79	610771	20.0
unknown6.56	6.56	88.0	ng	2685800	1	6.79	610771	20.0
Ethanol, 2-(2-eth...	6.62	4.0	ng	122005	1	6.79	610771	20.0
Hydroquinone	8.47	2.7	ng	101690	2	8.07	759218	20.0
Tridecane	10.73	3.4	ng	119104	4	11.30	701708	20.0
Benzaldehyde, 3,5...	11.92	2.5	ng	86180	4	11.30	701708	20.0
11H-Benzo[a]fluorene	13.07	2.1	ng	148534	5	13.94	1397350	20.0
Heptadecyl heptaf...	13.79	2.2	ng	152927	5	13.94	1397350	20.0
Heptadecane	14.72	2.5	ng	69193	6	15.35	542820	20.0
1,2'-Binaphthalene	14.79	2.6	ng	70856	6	15.35	542820	20.0
Benzo[e]pyrene	15.23	7.0	ng	189386	6	15.35	542820	20.0
unknown17.25	17.25	2.4	ng	64503	6	15.35	542820	20.0
unknown17.65	17.65	6.3	ng	170545	6	15.35	542820	20.0