LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088344.D
Acq On : 24 Jun 2016 21:19
Operator : UM/SJ
Sample : H3598-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1370(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	1.713	10	11	53	rVB	1141825	2804468	100.00%	12.172%
2	5.176	313	314	325	rBV2	55648	126481	4.51%	0.549%
3	6.250	407	408	416	rBV	72183	167490	5.97%	0.727%
4	6.353	416	417	435	rVV	130529	228213	8.14%	0.990%
5	6.582	435	437	449	rVV	392944	447512	15.96%	1.942%
6	6.742	449	451	458	rVV	96944	138080	4.92%	0.599%
7	7.164	486	488	505	rBV	54718	111253	3.97%	0.483%
8	7.873	548	550	577	rBV	509180	645163	23.00%	2.800%
9	8.948	642	644	650	rBV	186845	174846	6.23%	0.759%
10	9.279	671	673	674	rBV	30380	28269	1.01%	0.123%
11	9.473	688	690	696	rBV	71717	85928	3.06%	0.373%
12	9.610	700	702	704	rBV	594827	671134	23.93%	2.913%
13	9.645	704	705	710	rVB	102204	96939	3.46%	0.421%
14	9.828	718	721	723	rBV	33027	53683	1.91%	0.233%
15	10.159	748	750	753	rVB	103409	104809	3.74%	0.455%
16	10.319	762	764	769	rVB	37132	35515	1.27%	0.154%
17	10.399	769	771	774	rBV2	123421	153877	5.49%	0.668%
18	10.525	780	782	786	rVB	20955	39306	1.40%	0.171%
19	10.708	794	798	802	rBV	35288	64562	2.30%	0.280%
20	10.833	807	809	810	rVV	30357	31423	1.12%	0.136%
21	10.948	817	819	820	rVV	25485	28791	1.03%	0.125%
22	10.993	820	823	826	rVB	32435	58851	2.10%	0.255%
23	11.119	829	834	836	rBV2	811544	1563630	55.75%	6.786%
24	11.165	836	838	840	rVV	246497	268078	9.56%	1.164%
25	11.199	840	841	850	rVB4	28347	64112	2.29%	0.278%
26	11.336	850	853	856	rBV3	67612	111452	3.97%	0.484%
27	11.588	873	875	876	rBV	121708	120830	4.31%	0.524%
28	11.622	876	878	880	rVB	152315	161062	5.74%	0.699%
29	11.668	880	882	883	rBV	68900	58376	2.08%	0.253%
30	11.702	883	885	890	rVB2	229016	347159	12.38%	1.507%
31	11.805	890	894	898	rBV5	17215	46265	1.65%	0.201%
32	11.885	899	901	903	rVB	94424	83600	2.98%	0.363%
33	11.919	903	904	909	rVB2	70841	83210	2.97%	0.361%
34	12.136	921	923	925	rBV	94811	114250	4.07%	0.496%

LSC Area Percent Report

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Acq On : 24 Jun 2016 21:19
Operator : UM/SJ
Sample : H3598-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1370(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	12.171	925	926	929	rVB2	35671	64354	2.29%	0.279%
36	12.228	929	931	935	rVB	84740	114909	4.10%	0.499%
37	12.296	935	937	940	rBV	1235188	1458332	52.00%	6.329%
38	12.365	940	943	944	rVB2	27753	34387	1.23%	0.149%
39	12.399	944	946	948	rVB	37447	52981	1.89%	0.230%
40	12.445	948	950	952	rBV	73627	81438	2.90%	0.353%
41	12.525	954	957	960	rBV	1225257	1488369	53.07%	6.460%
42	12.582	960	962	965	rVB2	56825	84440	3.01%	0.366%
43	12.674	965	970	973	rBV3	106833	280570	10.00%	1.218%
44	12.742	973	976	979	rBV2	105286	184080	6.56%	0.799%
45	12.856	982	986	988	rVB2	176135	327885	11.69%	1.423%
46	12.914	990	991	993	rBV	110692	128794	4.59%	0.559%
47	12.948	993	994	998	rVB	126192	200529	7.15%	0.870%
48	13.039	1001	1002	1004	rVB	57244	72506	2.59%	0.315%
49	13.074	1004	1005	1010	rVB2	77183	131493	4.69%	0.571%
50	13.165	1010	1013	1015	rBV2	18511	45927	1.64%	0.199%
51	13.234	1015	1019	1020	rBV3	26716	56713	2.02%	0.246%
52	13.337	1026	1028	1029	rBV	26650	31099	1.11%	0.135%
53	13.371	1029	1031	1034	rVB	107440	146571	5.23%	0.636%
54	13.474	1037	1040	1043	rBV2	120341	327042	11.66%	1.419%
55	13.577	1047	1049	1052	rVB2	142739	157866	5.63%	0.685%
56	13.634	1052	1054	1057	rVB	33037	45384	1.62%	0.197%
57	13.714	1057	1061	1063	rBV2	890720	1633397	58.24%	7.089%
58	13.748	1063	1064	1068	rVB	645423	534648	19.06%	2.320%
59	13.817	1068	1070	1072	rVB2	84465	101005	3.60%	0.438%
60	13.874	1072	1075	1078	rBV3	69058	135120	4.82%	0.586%
61	13.931	1078	1080	1081	rVB2	61044	59829	2.13%	0.260%
62	13.954	1081	1082	1088	rVB3	57482	108239	3.86%	0.470%
63	14.068	1091	1092	1093	rBV	43836	49461	1.76%	0.215%
64	14.102	1093	1095	1097	rVV	129334	158593	5.66%	0.688%
65	14.137	1097	1098	1099	rVV	66377	48950	1.75%	0.212%
66	14.194	1101	1103	1105	rVV3	37205	82372	2.94%	0.358%
67	14.228	1105	1106	1109	rVB2	67823	103428	3.69%	0.449%
68	14.422	1119	1123	1127	rBV4	67015	163658	5.84%	0.710%
69	14.491	1127	1129	1133	rVV4	32284	87820	3.13%	0.381%
70	14.582	1133	1137	1139	rVV	88803	165399	5.90%	0.718%
71	14.628	1139	1141	1142	rVV2	34520	48905	1.74%	0.212%

LSC Area Percent Report

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Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1370(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

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

72	14.720	1146	1149	1153	rVV	601268	1265619	45.13%	5.493%
73	14.777	1153	1154	1155	rVV	36626	31179	1.11%	0.135%
74	14.811	1155	1157	1159	rVV	104296	146994	5.24%	0.638%
75	14.891	1162	1164	1166	rBV	35658	82699	2.95%	0.359%
76	14.925	1166	1167	1169	rVV2	38943	54357	1.94%	0.236%
77	14.971	1169	1171	1174	rVV	344608	426739	15.22%	1.852%
78	15.028	1174	1176	1178	rVV	450556	562205	20.05%	2.440%
79	15.074	1178	1180	1187	rVB2	346625	635626	22.66%	2.759%
80	15.234	1192	1194	1195	rVV	31286	49362	1.76%	0.214%
81	15.268	1195	1197	1200	rVV	36362	61824	2.20%	0.268%
82	15.348	1201	1204	1206	rVB2	24500	44779	1.60%	0.194%
83	15.451	1211	1213	1215	rBV2	21243	41009	1.46%	0.178%
84	15.554	1220	1222	1226	rVV	32766	68771	2.45%	0.298%
85	15.622	1226	1228	1231	rVB4	20779	35202	1.26%	0.153%
86	16.068	1264	1267	1270	rVB3	21087	44242	1.58%	0.192%
87	16.160	1272	1275	1276	rVV2	27276	50751	1.81%	0.220%
88	16.240	1280	1282	1286	rVB3	16592	40764	1.45%	0.177%
89	16.320	1286	1289	1293	rBV	176685	364746	13.01%	1.583%
90	16.388	1293	1295	1298	rVB	25258	41833	1.49%	0.182%
91	16.468	1298	1302	1304	rBV	41518	86768	3.09%	0.377%
92	16.514	1304	1306	1310	rVV2	33695	64619	2.30%	0.280%
93	16.594	1310	1313	1316	rVB3	16814	39669	1.41%	0.172%
94	16.697	1319	1322	1331	rVB	115346	250706	8.94%	1.088%
95	16.914	1338	1341	1348	rVB	32786	81665	2.91%	0.354%
96	18.594	1483	1488	1493	rBV	23624	88791	3.17%	0.385%
97	18.766	1499	1503	1507	rBV	17600	64431	2.30%	0.280%

Sum of corrected areas: 23040460

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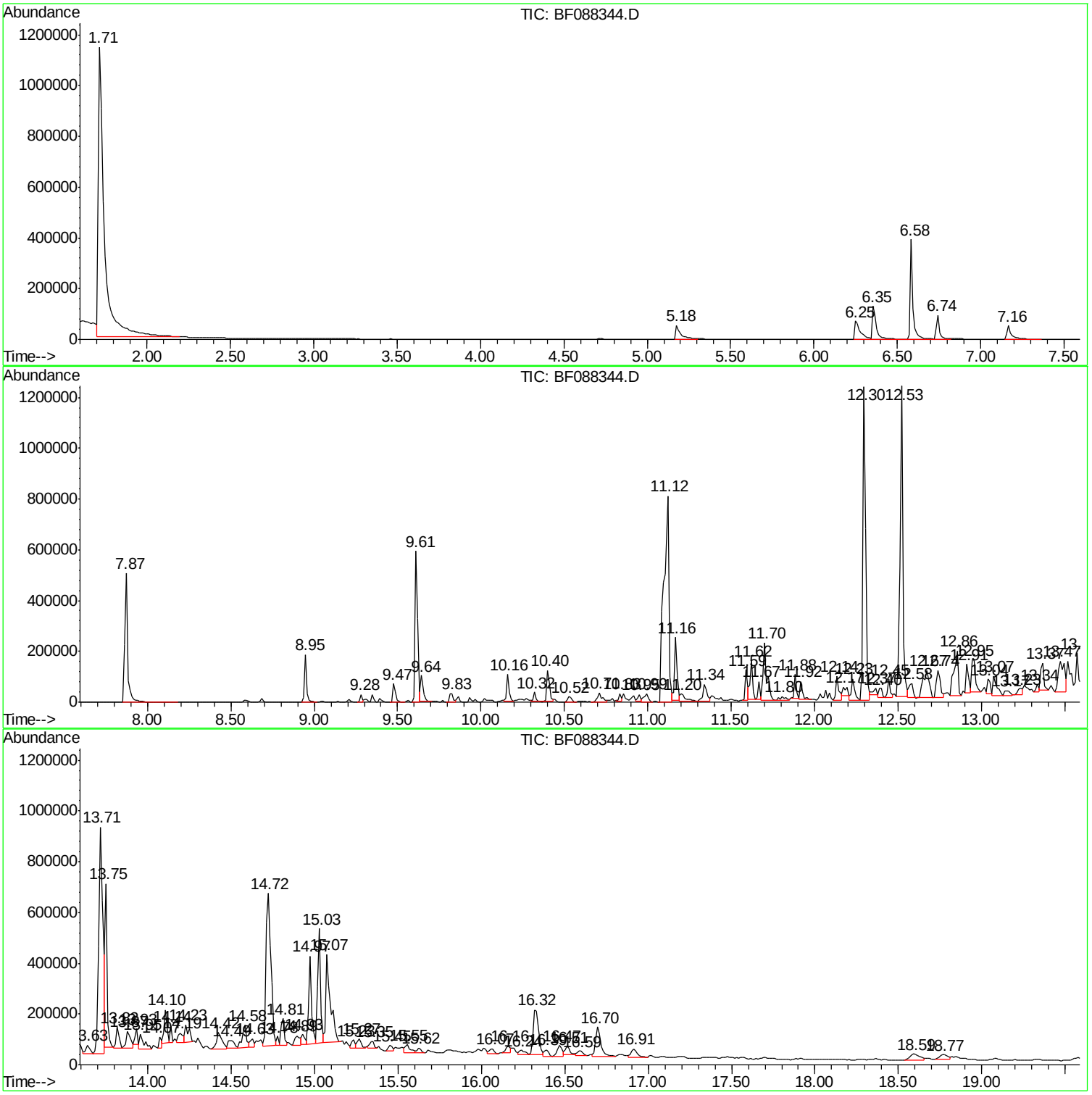
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-STA-1370(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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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Operator : UM/SJ
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Instrument : BNA_F
ClientSampleId : PM-STA-1370(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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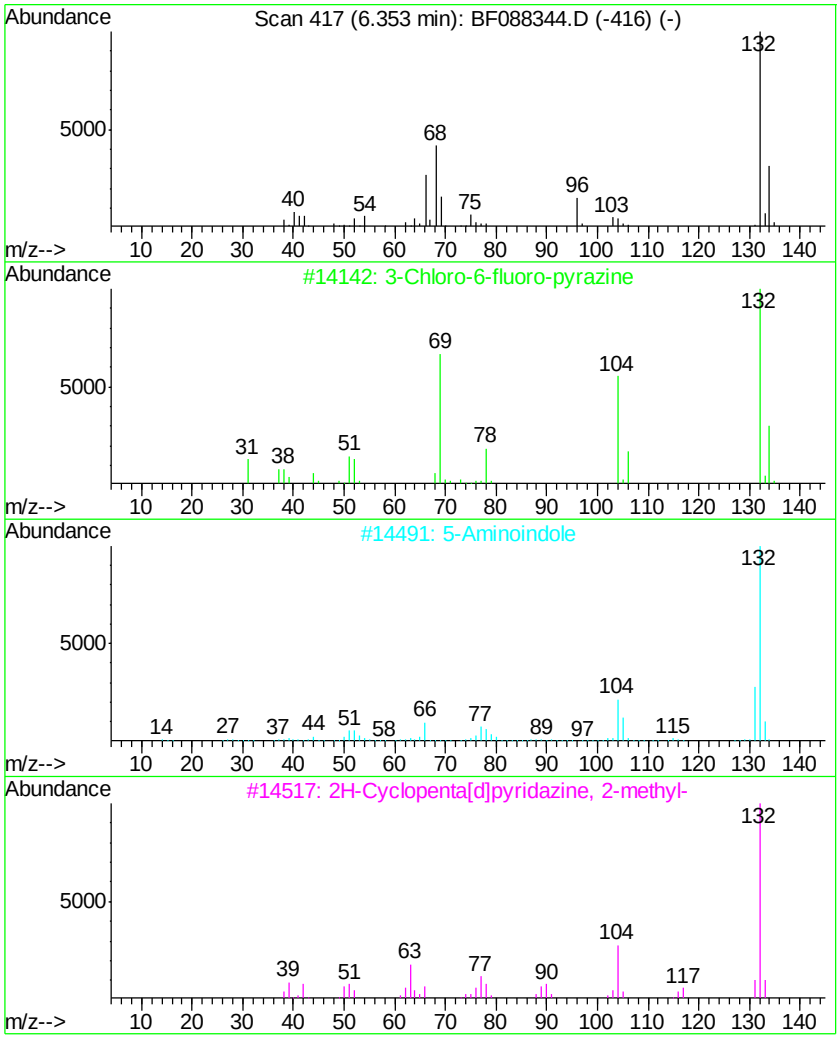
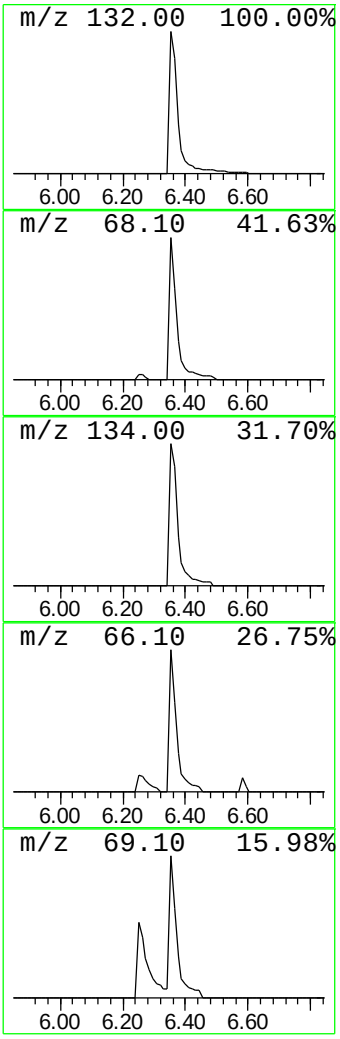
****

Peak Number 2 unknown6.35 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	10.20 ng	228213	1,4-Dichlorobenzene-d4	6.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	10
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Sample : H3598-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1370(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
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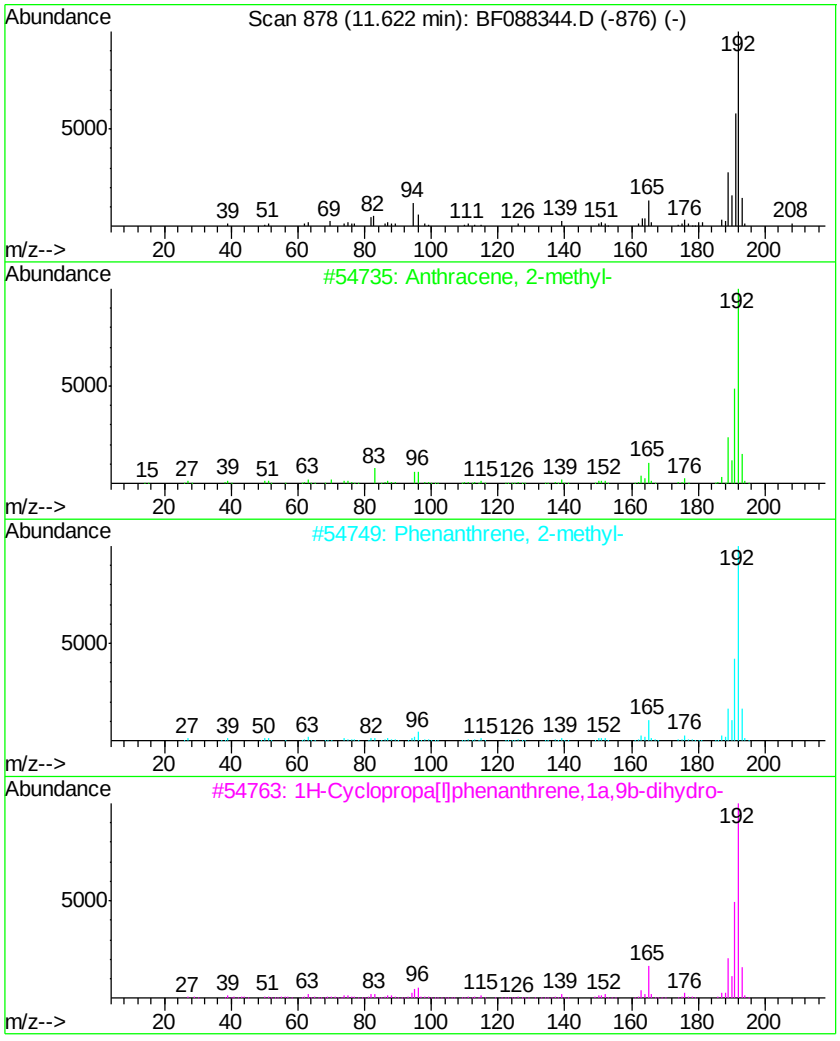
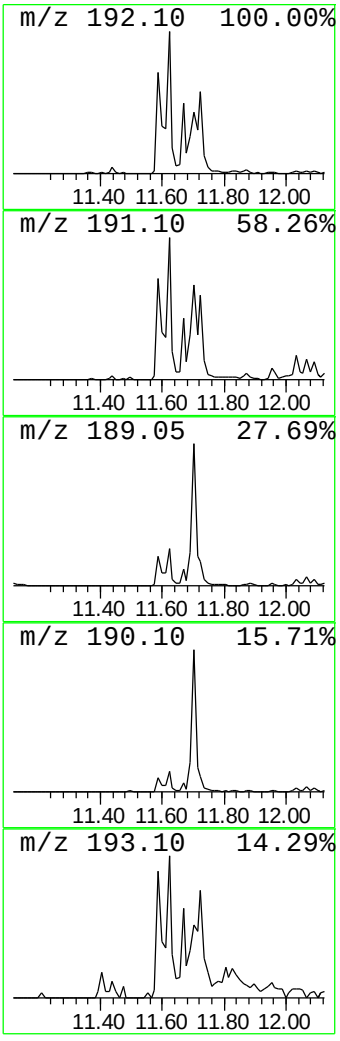
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	2.06 ng	161062	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92





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Operator : UM/SJ
Sample : H3598-04 10X
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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1370(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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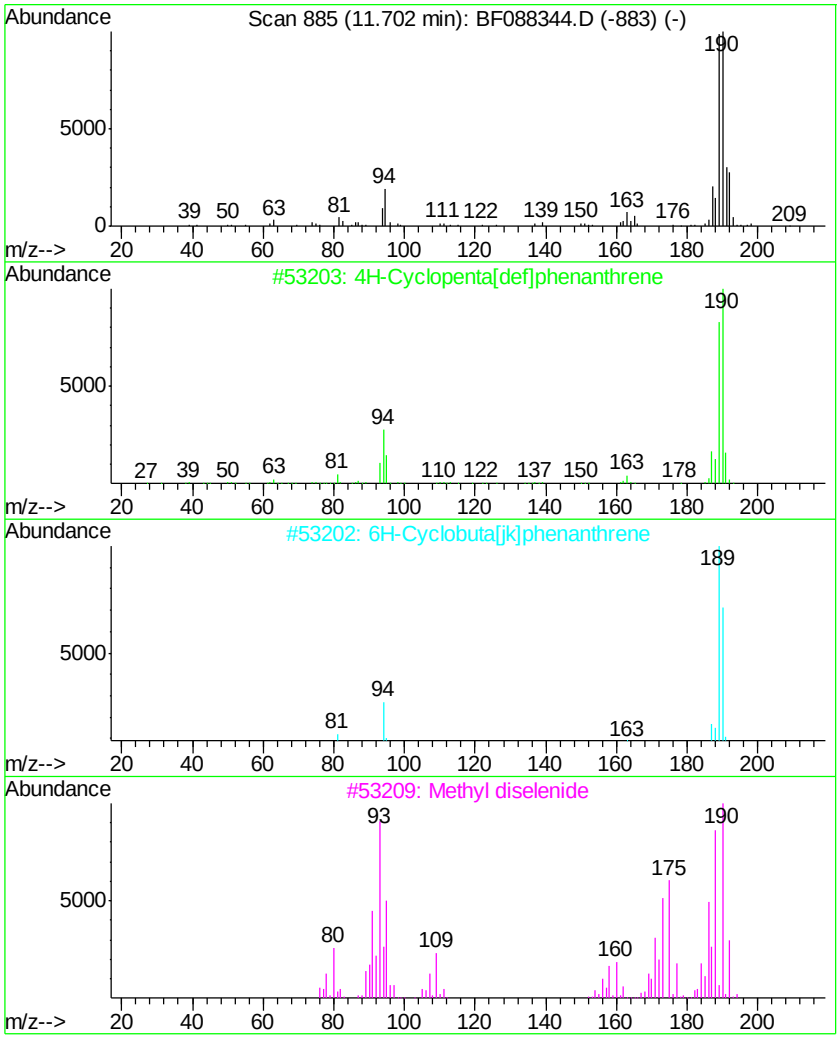
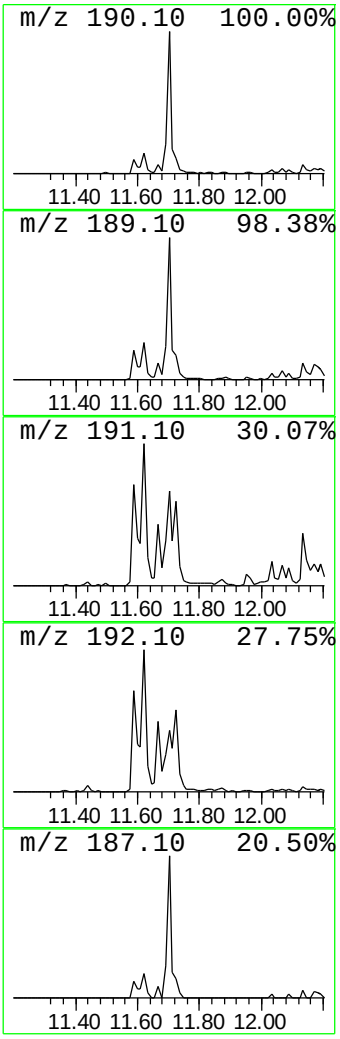
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	4.44 ng	347159	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	23





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Operator : UM/SJ
Sample : H3598-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1370(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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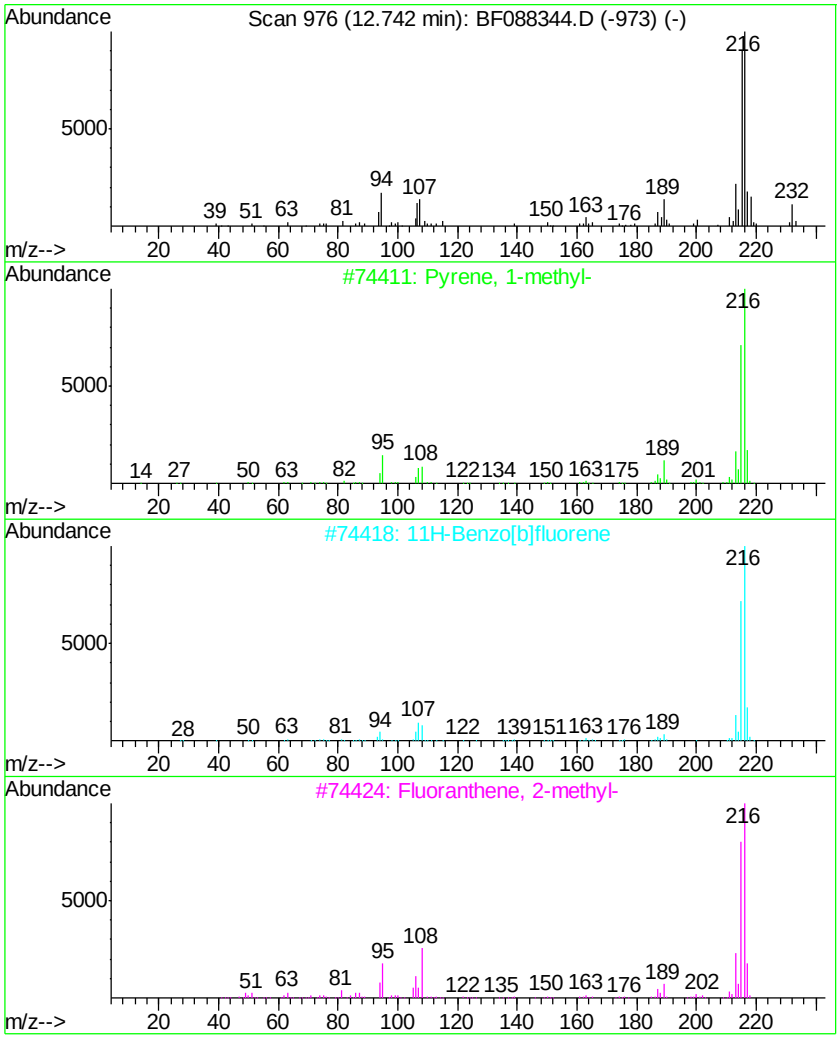
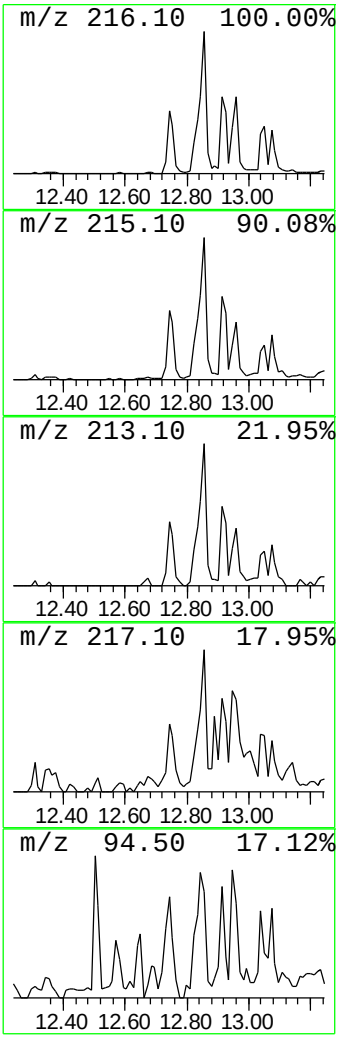
Peak Number 7 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	2.25 ng	184080	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Data File : BF088344.D
Acq On : 24 Jun 2016 21:19
Operator : UM/SJ
Sample : H3598-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-STA-1370(0-4)

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

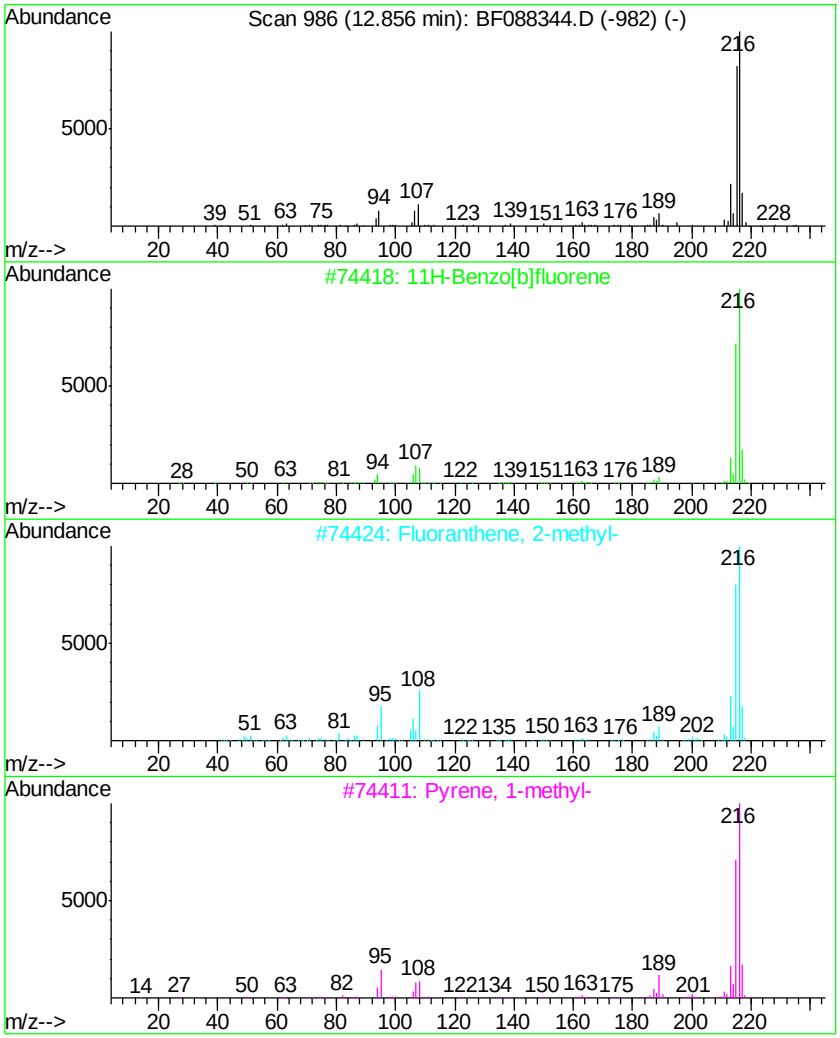
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

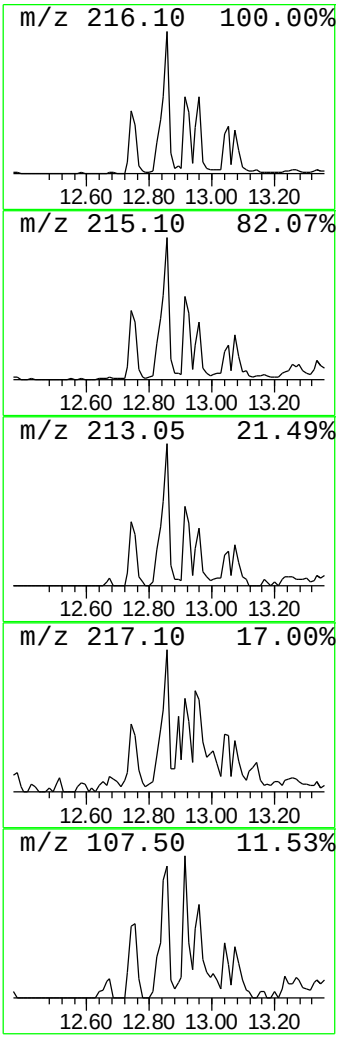
****

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	4.01 ng	327885	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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Sample : H3598-04 10X
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Instrument : BNA_F
ClientSampleId : PM-STA-1370(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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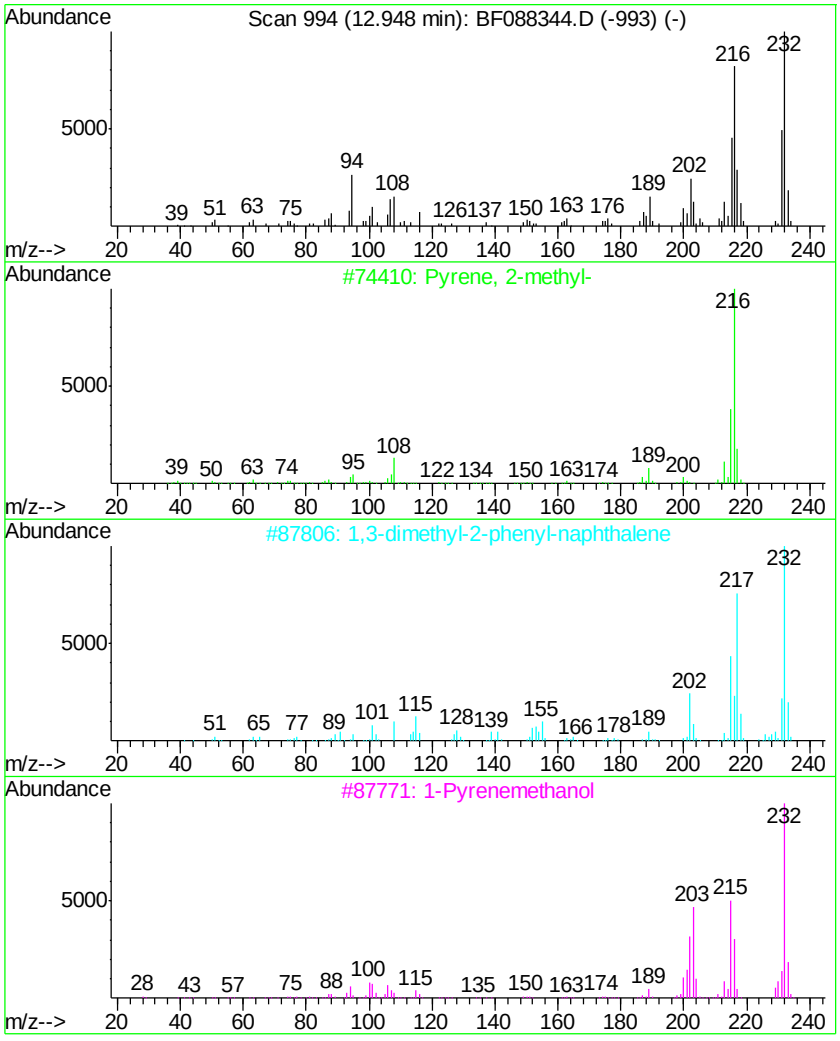
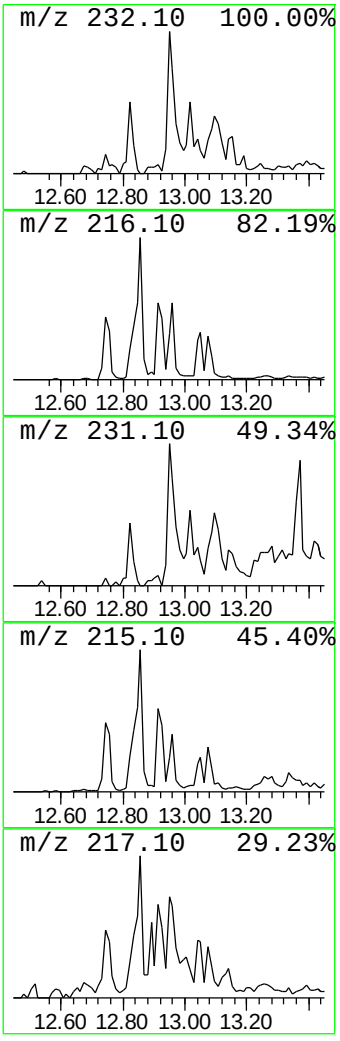
Peak Number 9 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	2.46 ng	200529	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	80
2	1,3-dimethyl-2-phenyl-naphthalene	232	C18H16	1000379-93-4	49
3	1-Pyrenemethanol	232	C17H12O	024463-15-8	49
4	1-benzyl-3-methylnaphthalene	232	C18H16	1000379-93-5	49
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	46





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Data File : BF088344.D
Acq On : 24 Jun 2016 21:19
Operator : UM/SJ
Sample : H3598-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1370(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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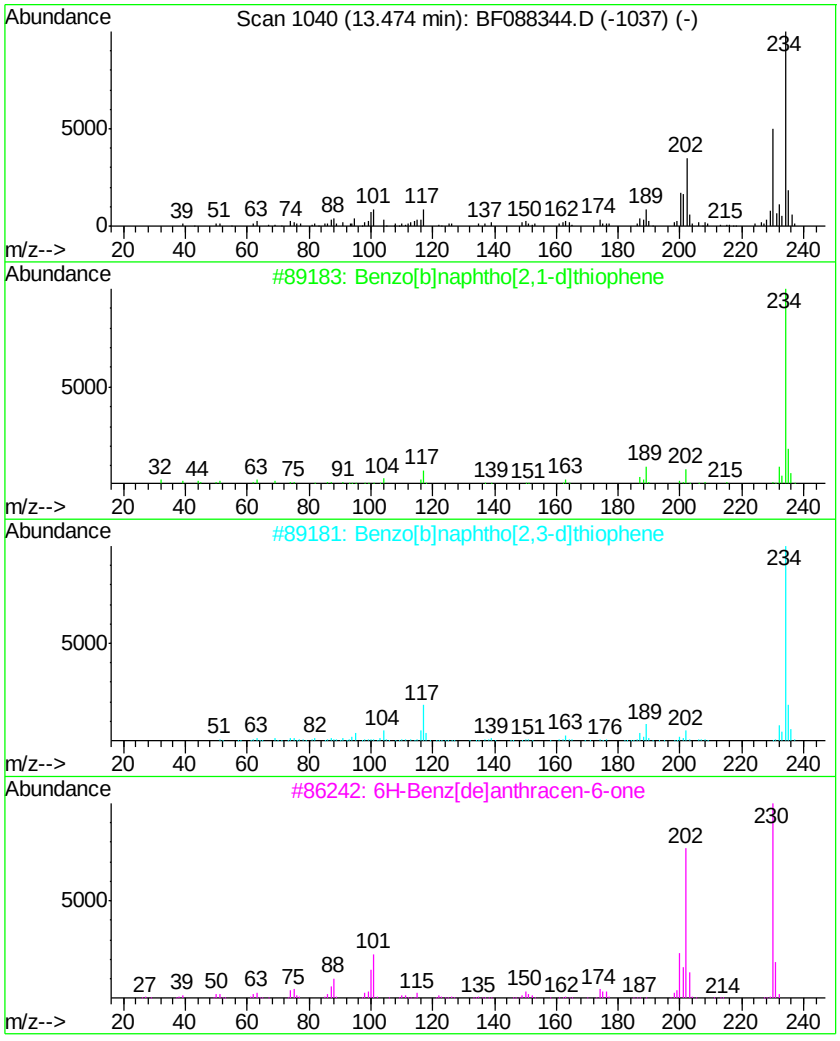
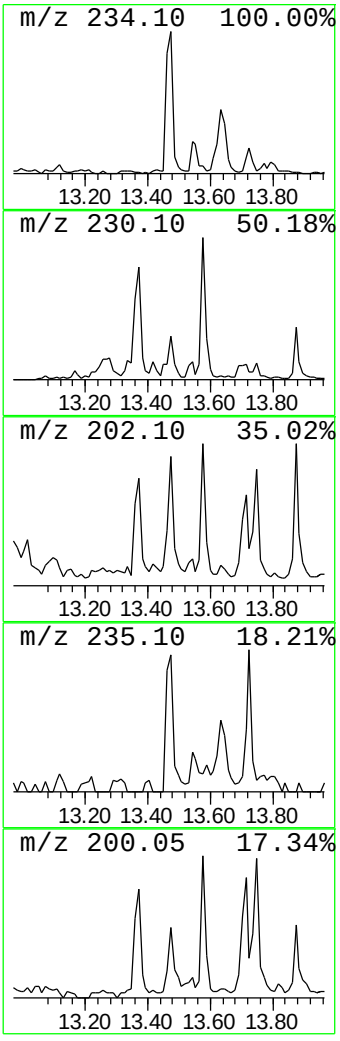
Peak Number 10 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	4.00 ng	327042	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	83
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	78
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	49
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	49





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Acq On : 24 Jun 2016 21:19
Operator : UM/SJ
Sample : H3598-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1370(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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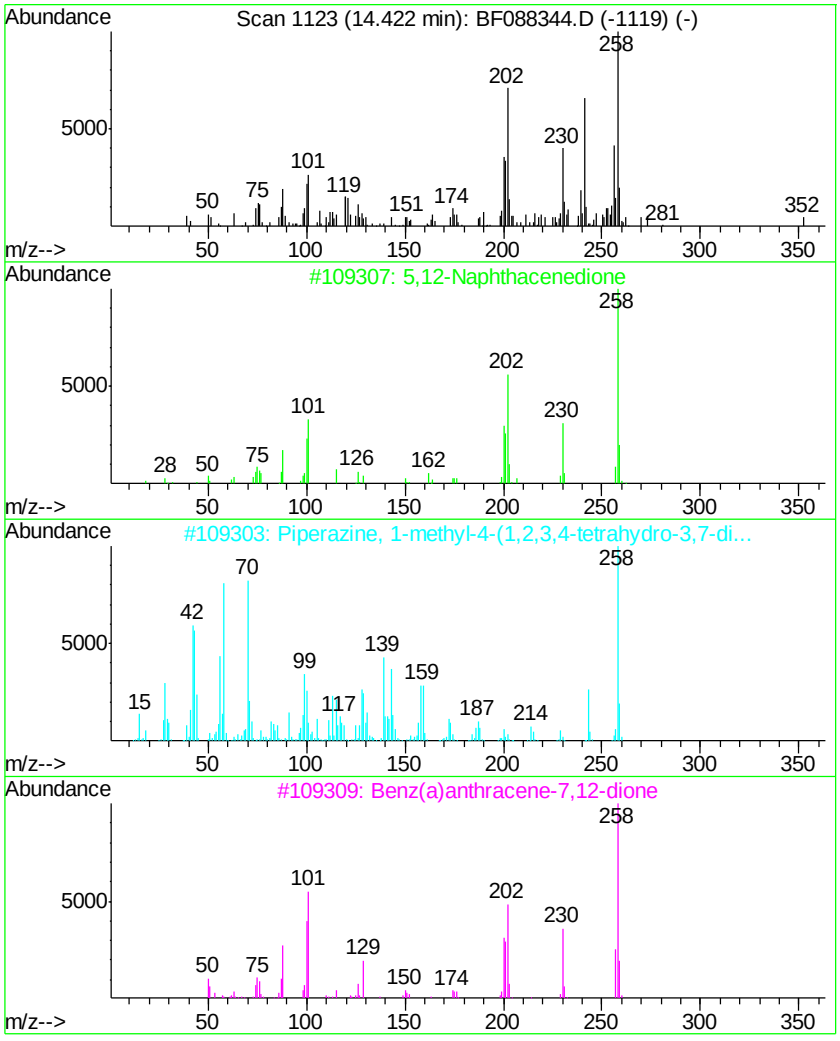
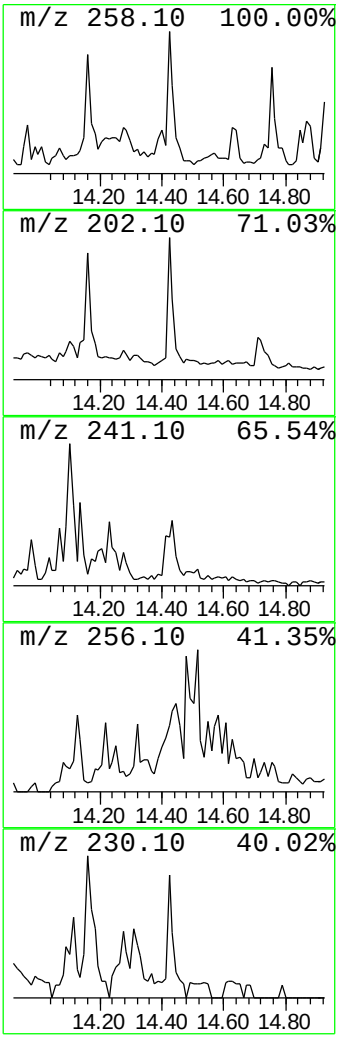
Peak Number 11 5,12-Naphthacenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	5.15 ng	163658	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	97
2	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
3	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	83
4	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	78
5	Androst-2,16-diene	256	C19H28	1000193-07-5	60





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Sample : H3598-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1370(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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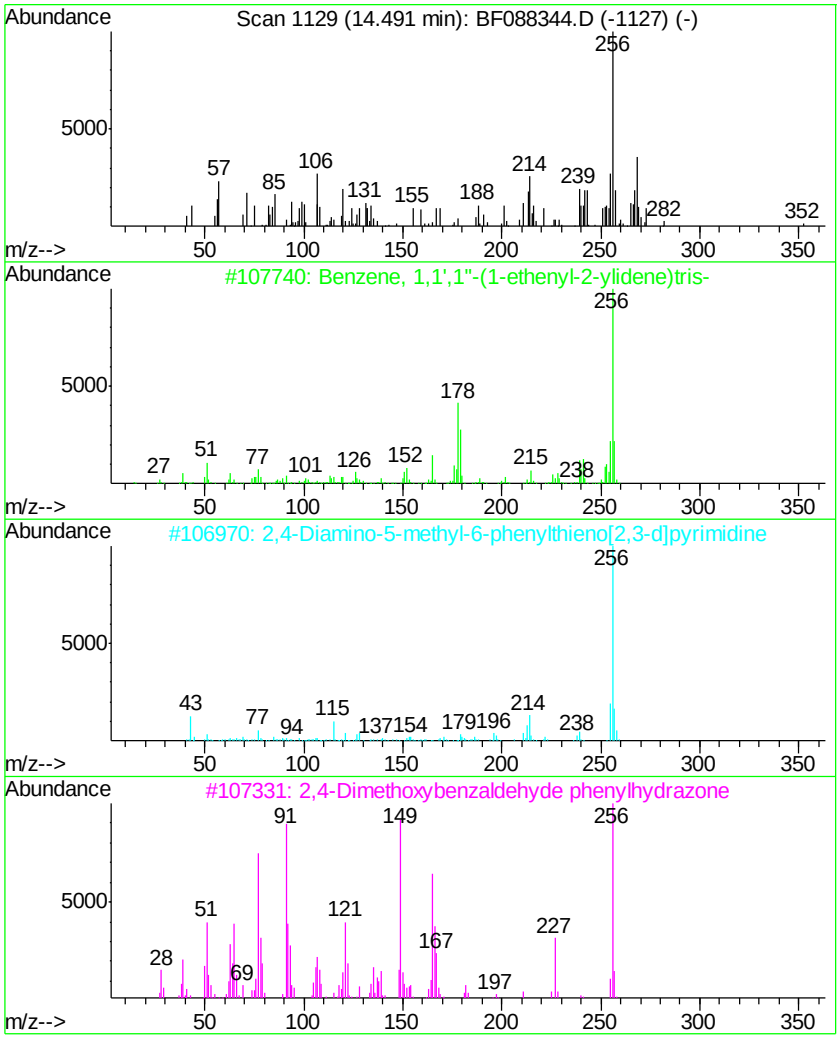
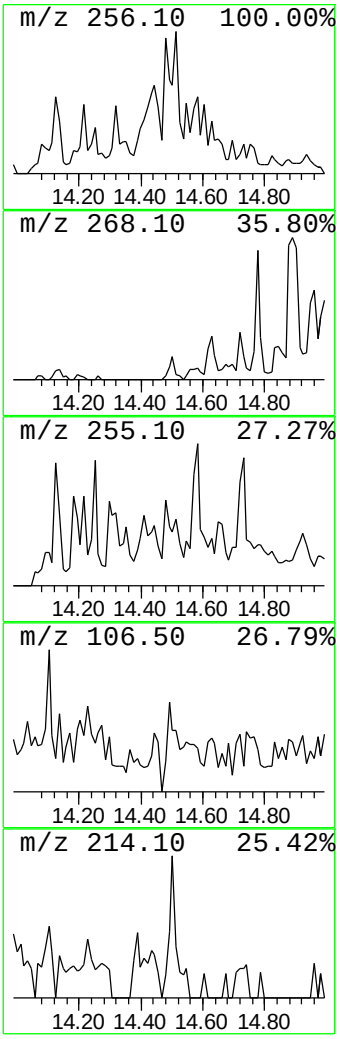
Peak Number 12 Benzene, 1,1',1''-(1-etheny... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	2.76 ng	87820	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	50
2	2,4-Diamino-5-methyl-6-phenylthi...	256	C13H12N4S	042160-11-2	47
3	2,4-Dimethoxybenzaldehyde phenyl...	256	C15H16N2O2	024575-92-6	46
4	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	46
5	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	45





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Sample : H3598-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1370(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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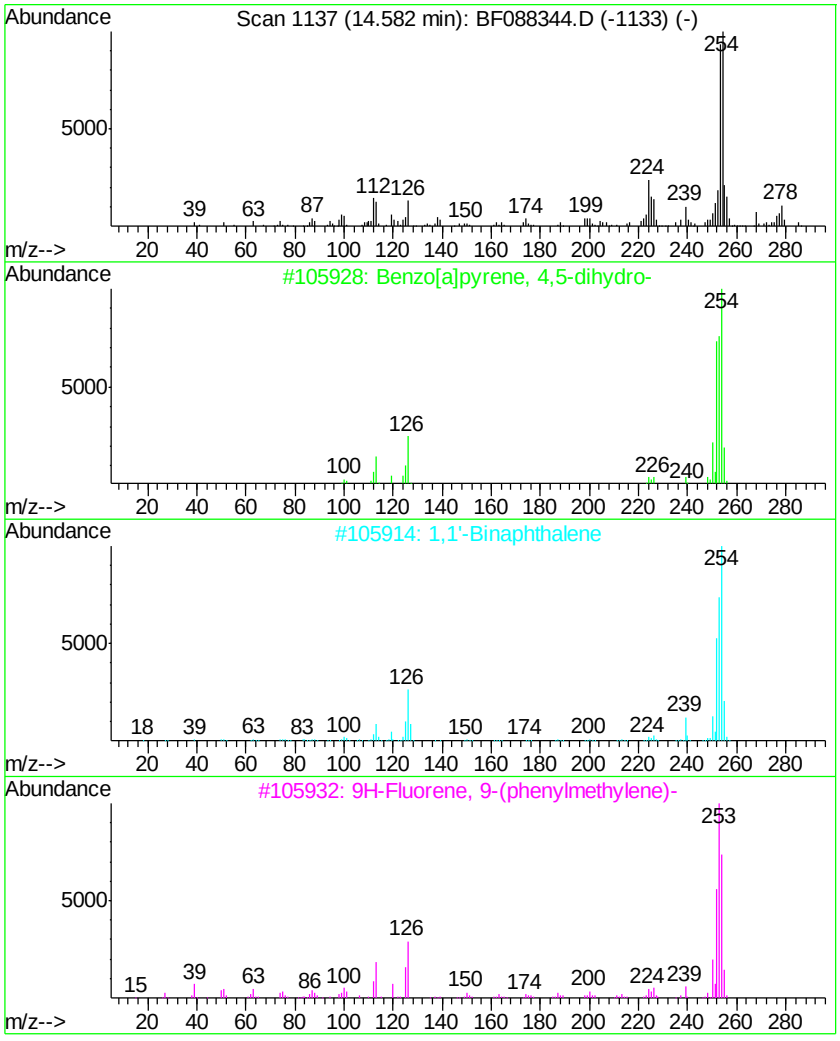
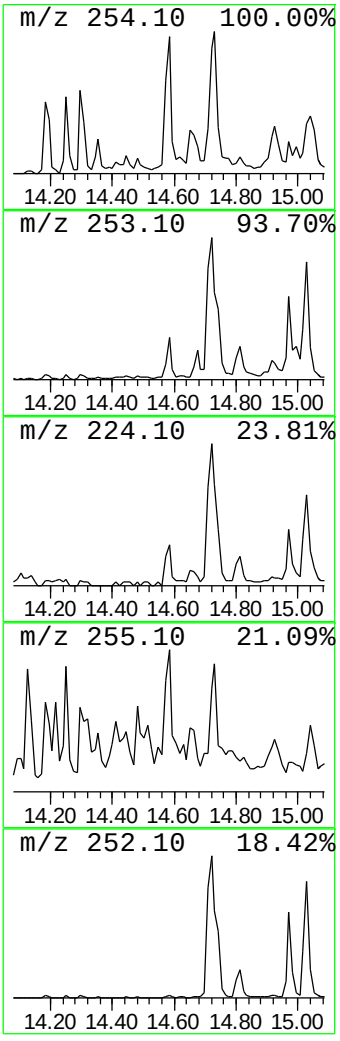
Peak Number 13 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	5.20 ng	165399	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	81
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	76
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	76
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	74
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	68





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Acq On : 24 Jun 2016 21:19
Operator : UM/SJ
Sample : H3598-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1370(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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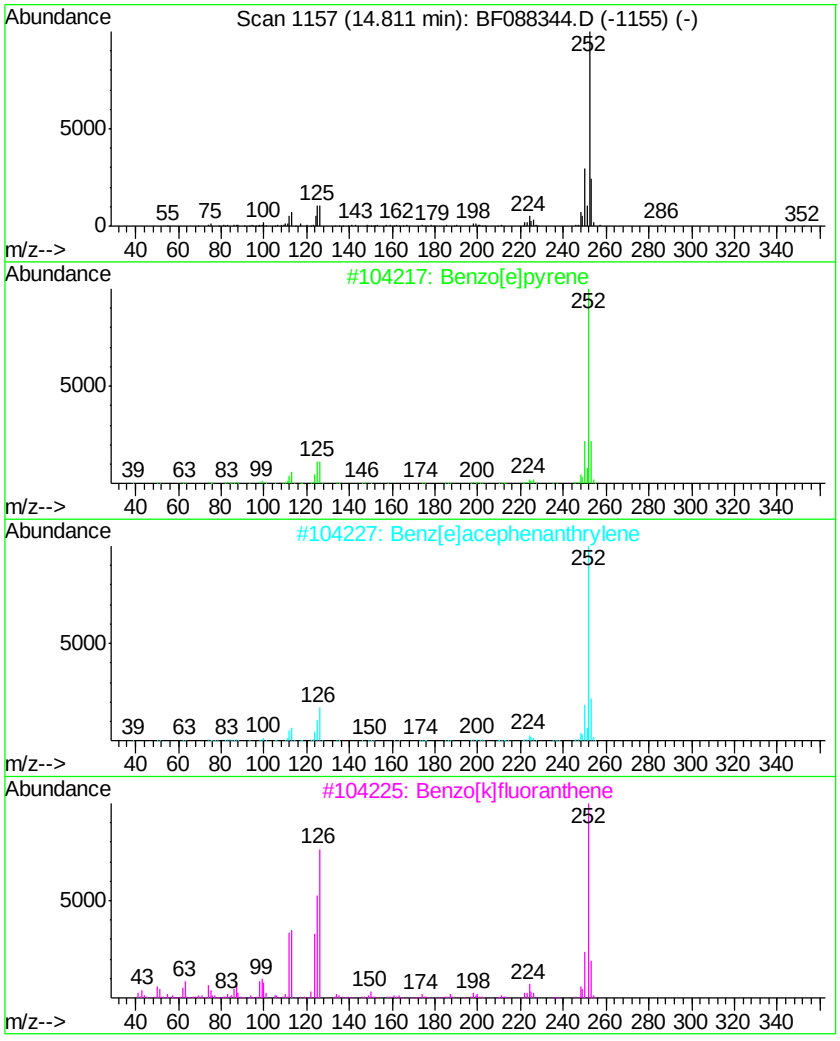
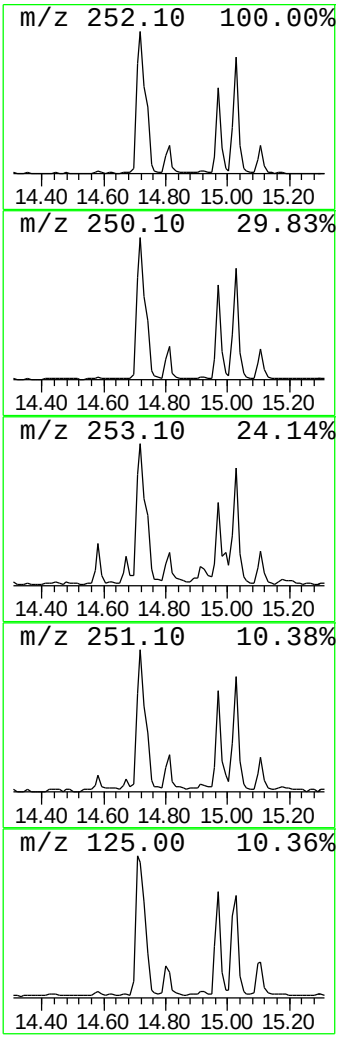
Peak Number 14 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	4.63 ng	146994	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	81





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Operator : UM/SJ
Sample : H3598-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1370(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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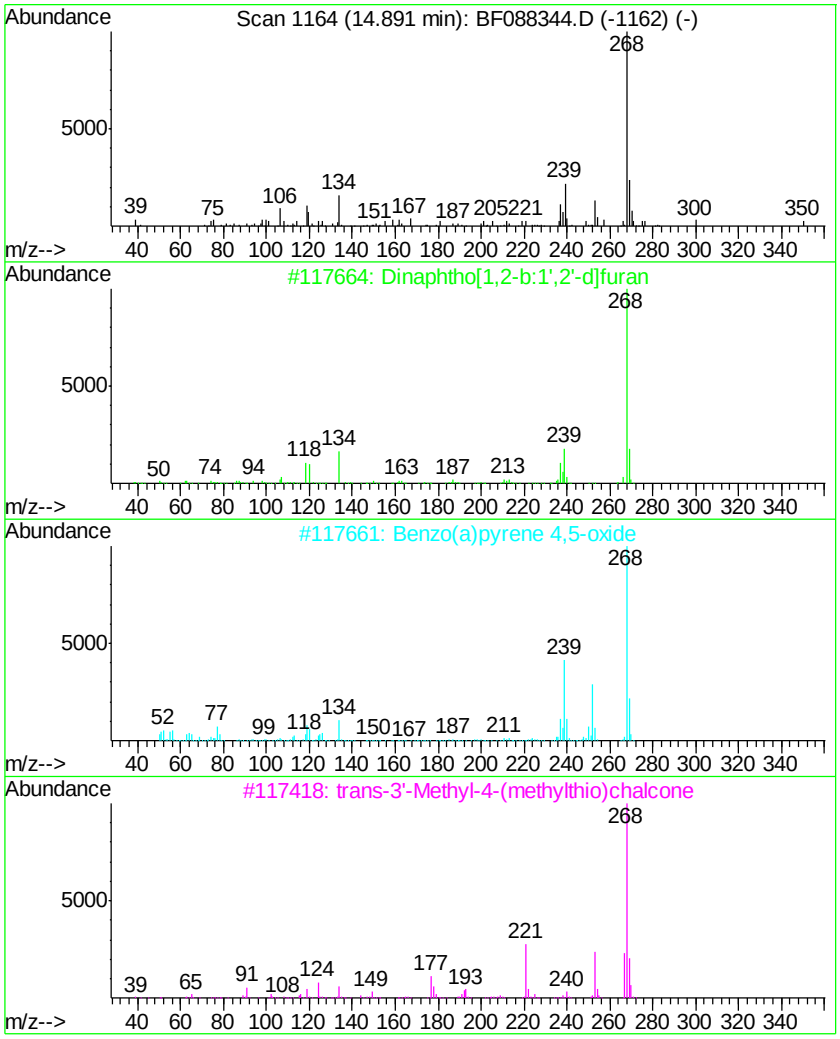
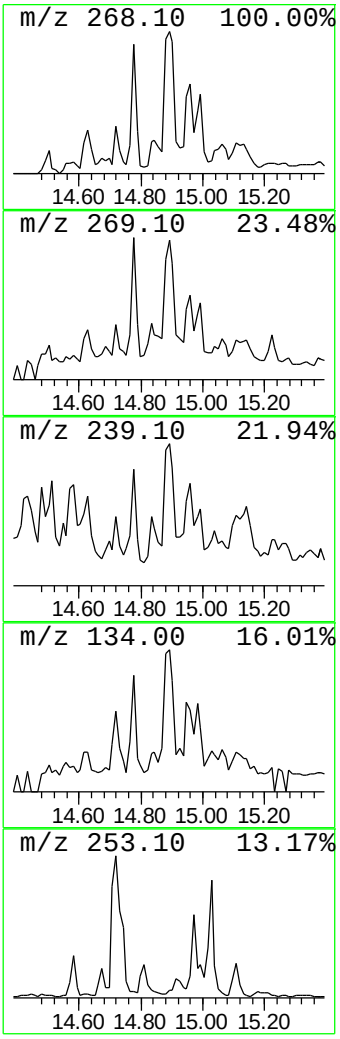
Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	2.60 ng	82699	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	74
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
3	trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	59
4	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59
5	9,10-Anthracenedione, 1,4-diamin...	268	C15H12N2O3	002872-48-2	59





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Sample : H3598-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1370(0-4)

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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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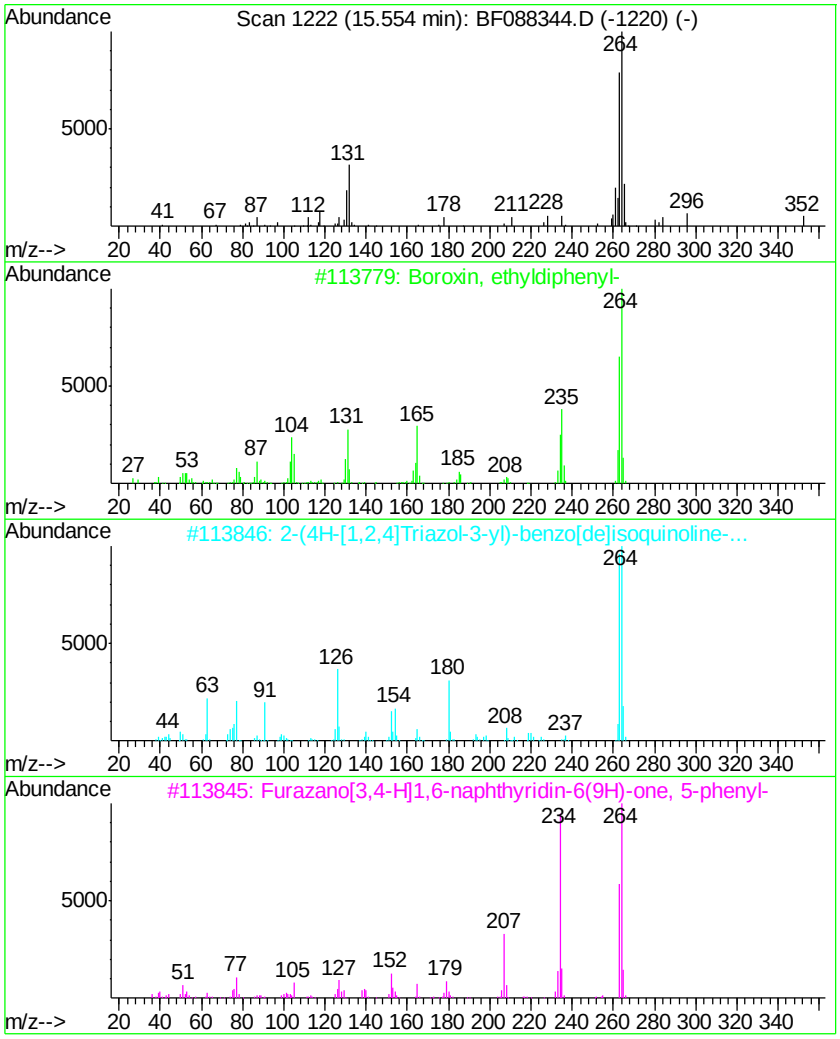
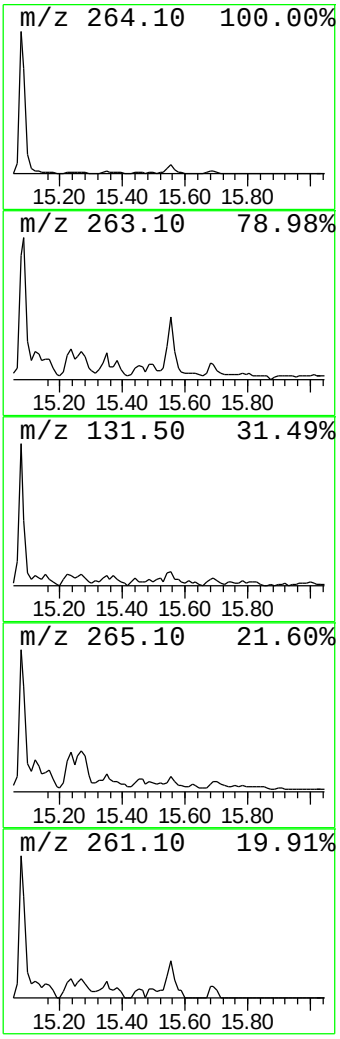
Peak Number 17 Boroxin, ethyldiphenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	2.16 ng	68771	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	64
2	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	59
3	Furazano[3,4-H]1,6-naphthyridin-...	264	C14H8N4O2	296245-19-7	53
4	2H,5H-Pyrano[3,2-c][1]benzopyran...	292	C18H12O4	1000319-83-9	42
5	1,2-Diazine, 3,5-di[2-hydroxyphe...	264	C16H12N2O2	122763-54-6	38





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Sample : H3598-04 10X
Misc :
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Instrument : BNA_F
ClientSampleId : PM-STA-1370(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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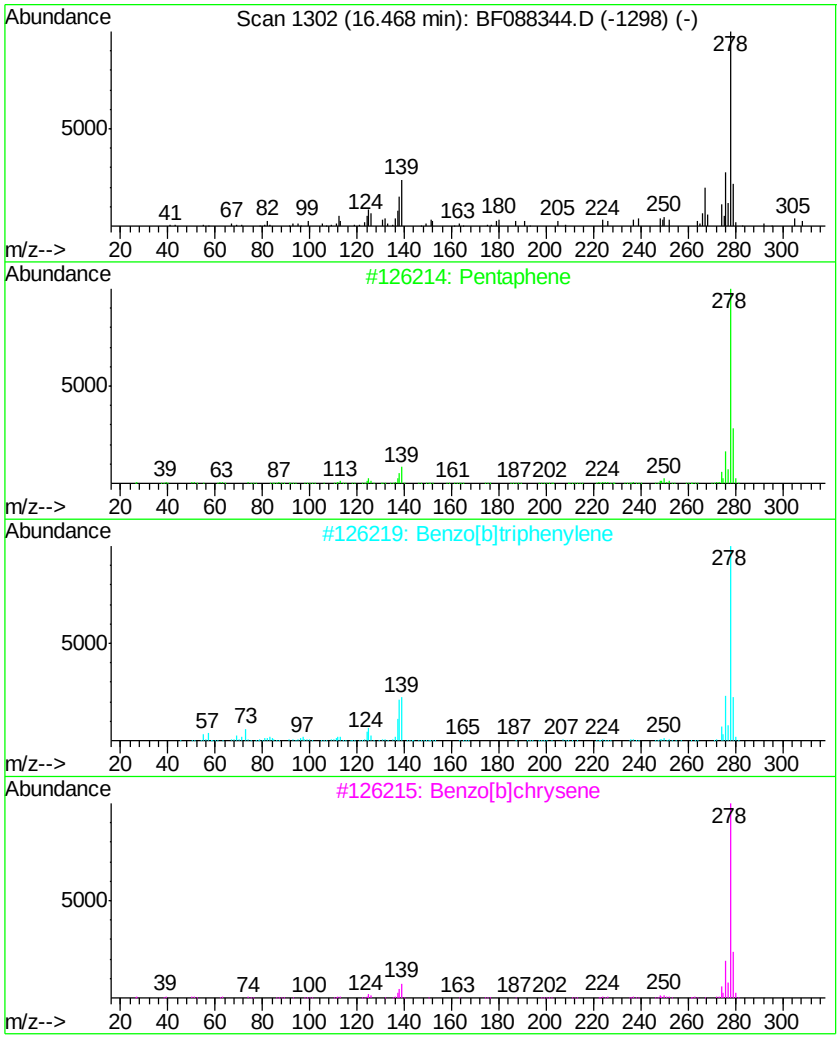
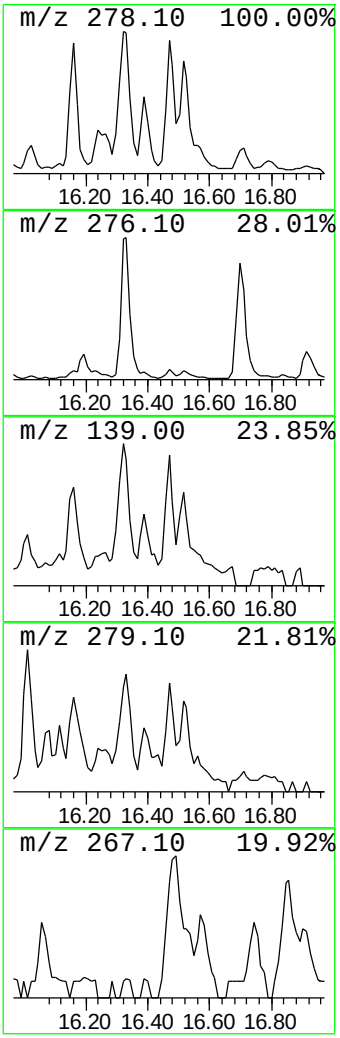
Peak Number 18 Pentaphene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	2.73 ng	86768	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	93
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
3	Benzo[b]chrysene	278	C22H14	000214-17-5	93
4	Picene	278	C22H14	000213-46-7	92
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91





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Sample : H3598-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1370(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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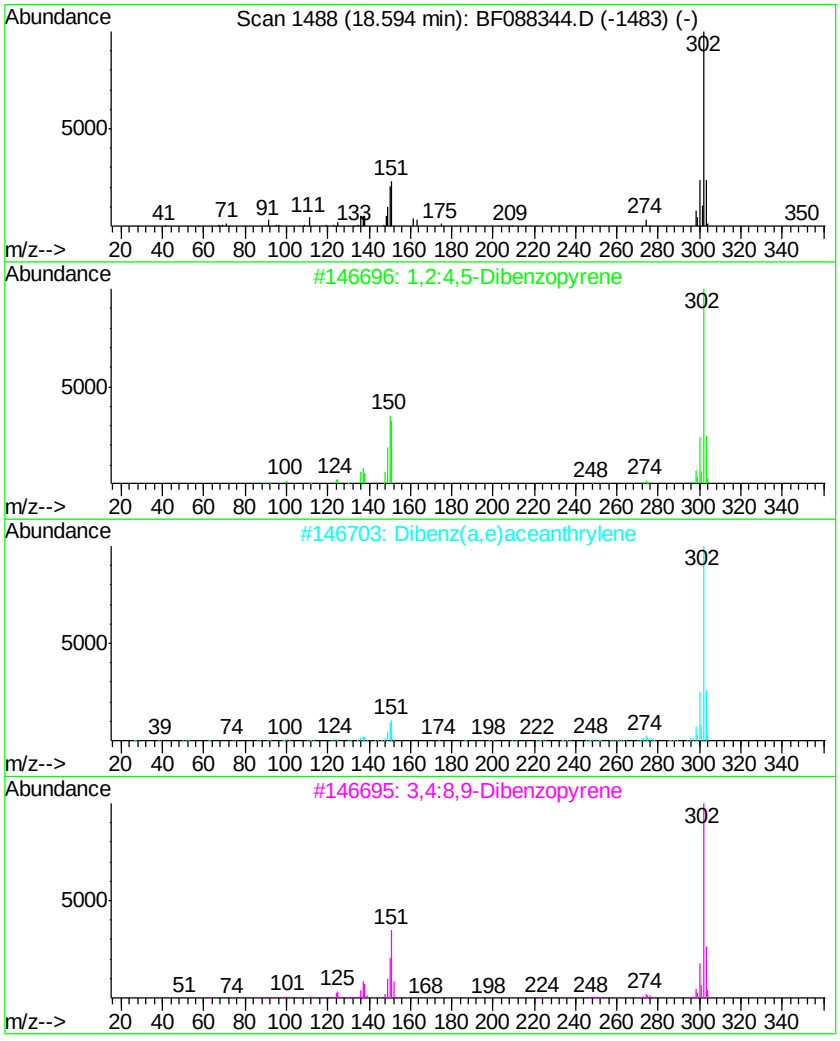
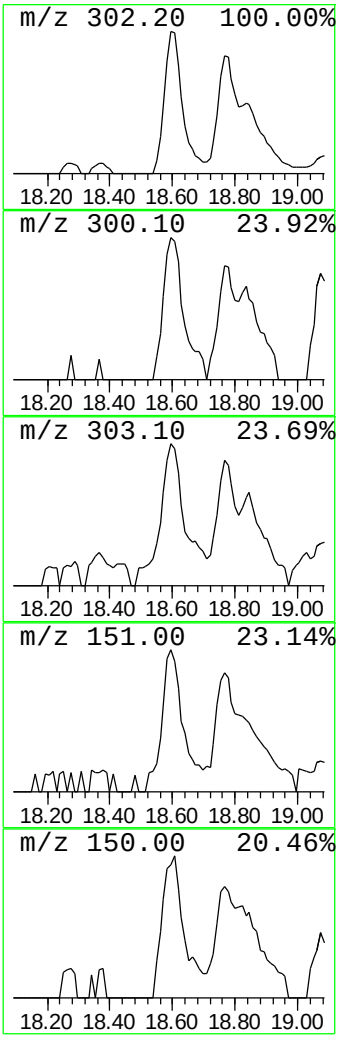
Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.79 ng	88791	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	91
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	87
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	76
4	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	76
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	68





Tentatively Identified Compound (LSC) summary

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Data File : BF088344.D
Acq On : 24 Jun 2016 21:19
Operator : UM/SJ
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Misc :
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.35	6.35	10.2	ng	228213	1	6.58	447512	20.0
Anthracene, 2-met...	11.62	2.1	ng	161062	4	11.10	1563630	20.0
4H-Cyclopenta[def...	11.70	4.4	ng	347159	4	11.10	1563630	20.0
Pyrene, 1-methyl-	12.74	2.3	ng	184080	5	13.73	1633400	20.0
11H-Benzo[b]fluorene	12.86	4.0	ng	327885	5	13.73	1633400	20.0
Pyrene, 2-methyl-	12.95	2.5	ng	200529	5	13.73	1633400	20.0
Benzo[b]naphtho[2...	13.47	4.0	ng	327042	5	13.73	1633400	20.0
5,12-Naphthacened...	14.42	5.2	ng	163658	6	15.07	635626	20.0
Benzene, 1,1',1''...	14.49	2.8	ng	87820	6	15.07	635626	20.0
Benzo[a]pyrene, 4...	14.58	5.2	ng	165399	6	15.07	635626	20.0
Benzo[e]pyrene	14.81	4.6	ng	146994	6	15.07	635626	20.0
Dinaphtho[1,2-b:1...	14.89	2.6	ng	82699	6	15.07	635626	20.0
Boroxin, ethyldip...	15.55	2.2	ng	68771	6	15.07	635626	20.0
Pentaphene	16.47	2.7	ng	86768	6	15.07	635626	20.0
1,2:4,5-Dibenzopy...	18.59	2.8	ng	88791	6	15.07	635626	20.0