LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070716\
Data File : BF088798.D
Acq On : 8 Jul 2016 00:34
Operator : UM/SJ
Sample : H3889-09 20X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-9

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-BF063016.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	1.827	19	21	67	rVB	1834403	4969398	41.37%	2.853%
2	6.742	448	451	453	rVB	599046	529503	4.41%	0.304%
3	8.045	561	565	568	rBV	598231	1130806	9.41%	0.649%
4	9.782	714	717	718	rBV	655664	743553	6.19%	0.427%
5	9.816	718	720	721	rVV	2866075	2572843	21.42%	1.477%
6	9.988	732	735	737	rBV	916543	1036833	8.63%	0.595%
7	10.331	762	765	767	rVB	1646072	1733488	14.43%	0.995%
8	10.388	767	770	771	rBV	277839	368602	3.07%	0.212%
9	10.479	777	778	781	rVB	364676	300795	2.50%	0.173%
10	10.559	783	785	787	rVB	419463	469081	3.91%	0.269%
11	10.868	808	812	814	rBV3	251327	432747	3.60%	0.248%
12	11.016	821	825	827	rBV4	143684	390348	3.25%	0.224%
13	11.062	827	829	832	rVB	716829	769859	6.41%	0.442%
14	11.119	832	834	835	rBV2	307617	348587	2.90%	0.200%
15	11.154	835	837	841	rVB	848508	797705	6.64%	0.458%
16	11.314	844	851	852	rBV	4847288	10855067	90.37%	6.233%
17	11.348	852	854	855	rVB	2735253	2324386	19.35%	1.335%
18	11.371	855	856	858	rVB	548446	411983	3.43%	0.237%
19	11.496	863	867	869	rBV2	1971068	2294645	19.10%	1.317%
20	11.759	887	890	891	rBV	1017121	1042307	8.68%	0.598%
21	11.794	891	893	895	rVB	1689608	1562726	13.01%	0.897%
22	11.839	895	897	898	rBV	551545	521599	4.34%	0.299%
23	11.874	898	900	904	rVB2	1871859	2837531	23.62%	1.629%
24	12.057	914	916	917	rBV	946559	751567	6.26%	0.432%
25	12.091	917	919	921	rVB	1082168	1155612	9.62%	0.664%
26	12.205	926	929	930	rBV	234805	290772	2.42%	0.167%
27	12.239	930	932	936	rVB2	175659	424413	3.53%	0.244%
28	12.308	936	938	940	rBV	405865	566336	4.72%	0.325%
29	12.354	940	942	945	rVB2	300997	465122	3.87%	0.267%
30	12.422	945	948	950	rVB	527207	840034	6.99%	0.482%
31	12.502	950	955	957	rBV	4974019	12011364	100.00%	6.896%
32	12.537	957	958	960	rVB	357461	334721	2.79%	0.192%
33	12.628	964	966	968	rBV	688127	840379	7.00%	0.483%
34	12.719	970	974	976	rBV	4928599	10362039	86.27%	5.949%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H3889-09 20X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-9

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-BF063016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.822	981	983	985	rVV	822026	1092478	9.10%	0.627%
36	12.857	985	986	988	rVB	833146	991935	8.26%	0.570%
37	12.925	988	992	996	rBV3	875520	2128827	17.72%	1.222%
38	13.028	996	1001	1003	rVV2	1348436	3131960	26.07%	1.798%
39	13.097	1005	1007	1008	rVV	1299506	1302870	10.85%	0.748%
40	13.131	1008	1010	1011	rVV	1300554	1671985	13.92%	0.960%
41	13.188	1014	1015	1017	rVV2	483893	579461	4.82%	0.333%
42	13.222	1017	1018	1019	rVV	642273	621082	5.17%	0.357%
43	13.257	1019	1021	1024	rVV2	770182	1208282	10.06%	0.694%
44	13.337	1026	1028	1032	rVV4	197556	482197	4.01%	0.277%
45	13.451	1032	1038	1042	rVV3	639373	1649375	13.73%	0.947%
46	13.542	1042	1046	1048	rVV	1475599	2214842	18.44%	1.272%
47	13.645	1052	1055	1057	rVV	1521465	2615448	21.77%	1.502%
48	13.680	1057	1058	1059	rVV	1308435	1333170	11.10%	0.765%
49	13.702	1059	1060	1063	rVV3	1300102	2230392	18.57%	1.281%
50	13.760	1063	1065	1067	rVV	1421060	1905806	15.87%	1.094%
51	13.817	1067	1070	1072	rVV	461339	832270	6.93%	0.478%
52	13.908	1072	1078	1079	rVV	3661297	8895751	74.06%	5.108%
53	13.954	1080	1082	1084	rVV	4173938	5897517	49.10%	3.386%
54	14.022	1084	1088	1089	rVV	1377238	2271567	18.91%	1.304%
55	14.045	1089	1090	1093	rVV3	491142	1251136	10.42%	0.718%
56	14.091	1093	1094	1095	rVV	1070702	1027218	8.55%	0.590%
57	14.125	1095	1097	1099	rVV2	1306979	1941565	16.16%	1.115%
58	14.160	1099	1100	1101	rVV	549780	516441	4.30%	0.297%
59	14.217	1103	1105	1106	rVV	403135	569789	4.74%	0.327%
60	14.251	1106	1108	1109	rVV2	672028	1029200	8.57%	0.591%
61	14.285	1109	1111	1113	rVV	1355218	1947162	16.21%	1.118%
62	14.320	1113	1114	1116	rVV2	896088	1104494	9.20%	0.634%
63	14.377	1116	1119	1120	rVV2	696886	1274442	10.61%	0.732%
64	14.411	1120	1122	1125	rVV3	994181	2169170	18.06%	1.245%
65	14.480	1125	1128	1131	rVV3	519799	1188533	9.90%	0.682%
66	14.525	1131	1132	1135	rVV	199014	292013	2.43%	0.168%
67	14.594	1135	1138	1142	rVV4	583238	1588447	13.22%	0.912%
68	14.685	1144	1146	1148	rVV2	253243	481433	4.01%	0.276%
69	14.765	1150	1153	1155	rVV	619803	1255812	10.46%	0.721%
70	14.811	1156	1157	1159	rVV	253367	330757	2.75%	0.190%
71	14.857	1159	1161	1163	rVV2	270950	633906	5.28%	0.364%

LSC Area Percent Report

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Sample : H3889-09 20X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-9

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-BF063016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.937	1163	1168	1171	rVV	3414513	11089814	92.33%	6.367%
73	14.983	1171	1172	1173	rVV	530388	533175	4.44%	0.306%
74	15.017	1173	1175	1177	rVV	1215414	1484086	12.36%	0.852%
75	15.085	1179	1181	1184	rVV2	365819	1055269	8.79%	0.606%
76	15.143	1184	1186	1187	rVV2	420618	715691	5.96%	0.411%
77	15.200	1187	1191	1194	rVV	1971950	4682935	38.99%	2.689%
78	15.268	1194	1197	1199	rVV	2659816	4841847	40.31%	2.780%
79	15.337	1199	1203	1206	rVV3	1342703	3047001	25.37%	1.749%
80	15.394	1206	1208	1211	rVV3	278641	707955	5.89%	0.406%
81	15.463	1211	1214	1215	rVV2	307217	659848	5.49%	0.379%
82	15.497	1215	1217	1220	rVV3	318618	723145	6.02%	0.415%
83	15.588	1223	1225	1226	rVV	224409	337986	2.81%	0.194%
84	15.623	1226	1228	1231	rVB2	251844	375746	3.13%	0.216%
85	15.691	1231	1234	1236	rBV	161660	311357	2.59%	0.179%
86	15.805	1242	1244	1248	rVB	262517	425898	3.55%	0.245%
87	16.114	1267	1271	1275	rBV4	128478	352016	2.93%	0.202%
88	16.217	1277	1280	1284	rBV3	138484	420031	3.50%	0.241%
89	16.331	1287	1290	1296	rVB5	228802	780476	6.50%	0.448%
90	16.446	1296	1300	1305	rBV3	302493	1135876	9.46%	0.652%
91	16.663	1311	1319	1321	rBV	1266831	3705030	30.85%	2.127%
92	16.788	1325	1330	1332	rBV2	375544	871058	7.25%	0.500%
93	16.846	1332	1335	1337	rBV2	239954	467353	3.89%	0.268%
94	17.063	1347	1354	1358	rVV	961571	2777121	23.12%	1.595%
95	17.154	1359	1362	1366	rVV3	118773	341188	2.84%	0.196%
96	17.246	1366	1370	1376	rVB2	352602	969738	8.07%	0.557%
97	17.851	1419	1423	1431	rVB5	106449	357203	2.97%	0.205%
98	18.069	1437	1442	1448	rVB5	83326	310168	2.58%	0.178%
99	19.063	1518	1529	1535	rBV2	335890	1446908	12.05%	0.831%
100	19.234	1535	1544	1547	rBV	240692	1096795	9.13%	0.630%

Sum of corrected areas: 174168198

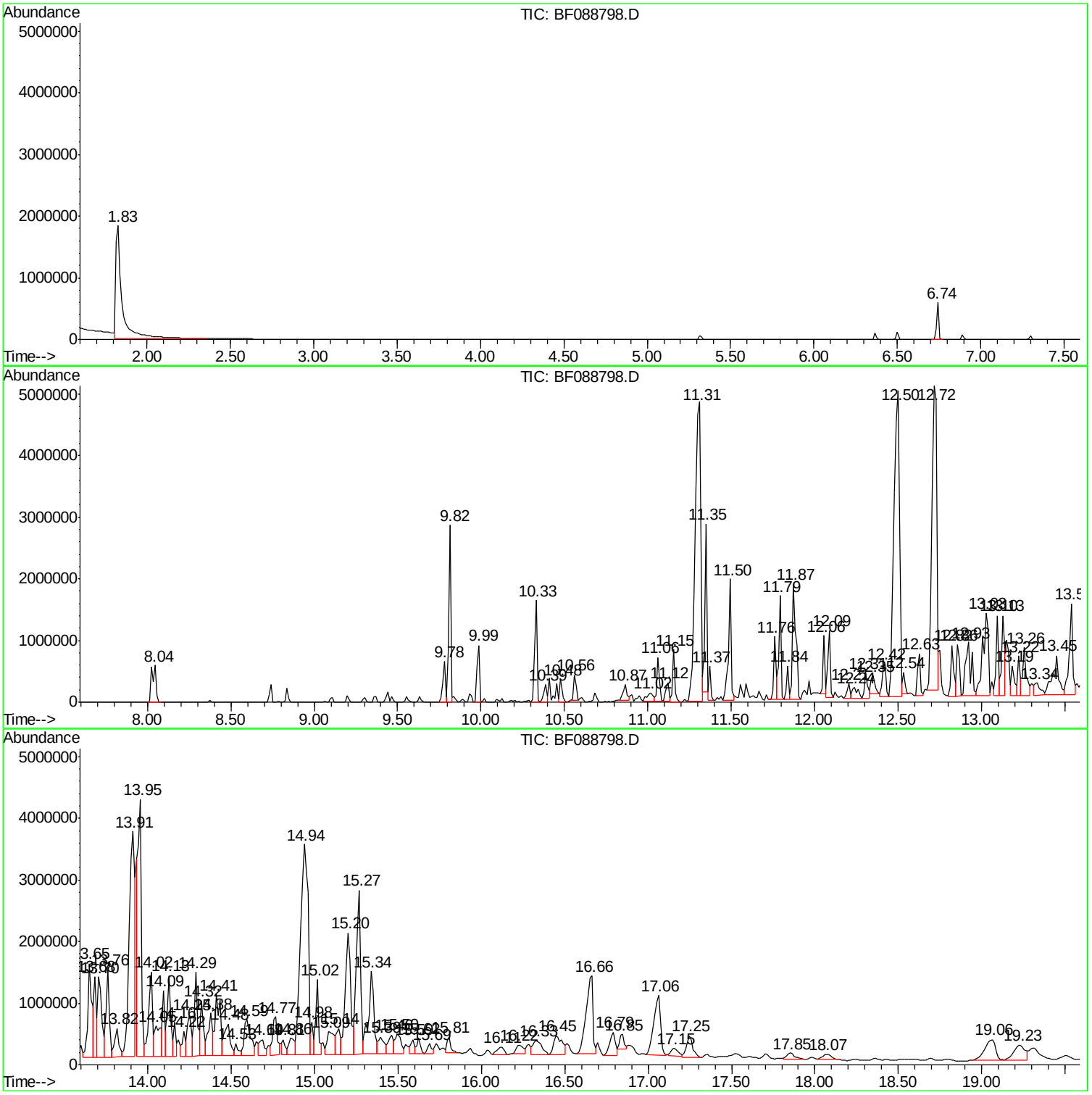
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070716\
Data File : BF088798.D
Acq On : 8 Jul 2016 00:34
Operator : UM/SJ
Sample : H3889-09 20X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070716\
Data File : BF088798.D
Acq On : 8 Jul 2016 00:34
Operator : UM/SJ
Sample : H3889-09 20X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

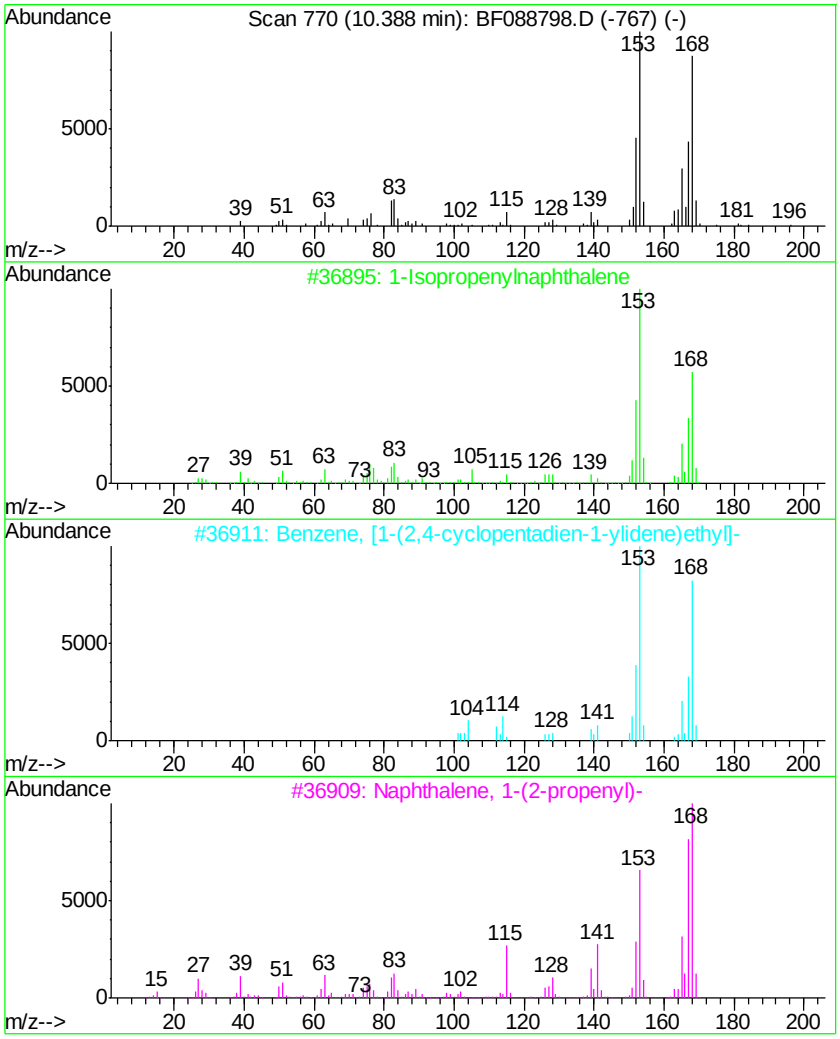
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

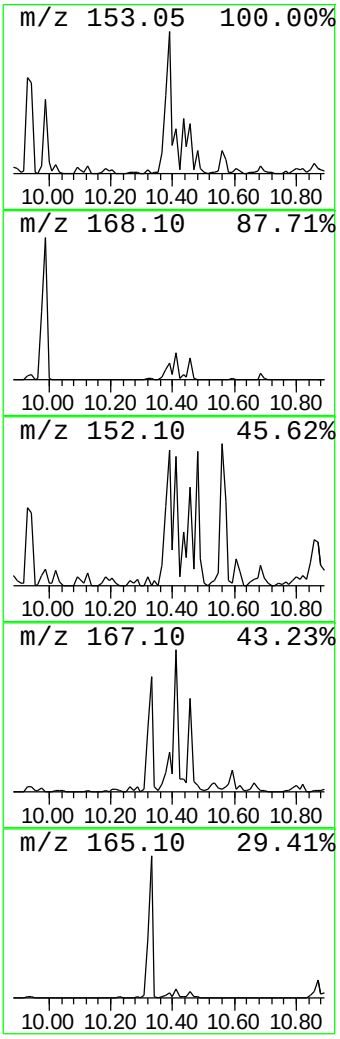
****

Peak Number 2 1-Isopropenylnaphthalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	9.91 ng	368602	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
4	Diphenylmethane	168	C13H12	000101-81-5	47
5	1-Methoxy-2-methyl-4-(methylthio...	168	C9H12OS	050390-78-8	47





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Operator : UM/SJ
Sample : H3889-09 20X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

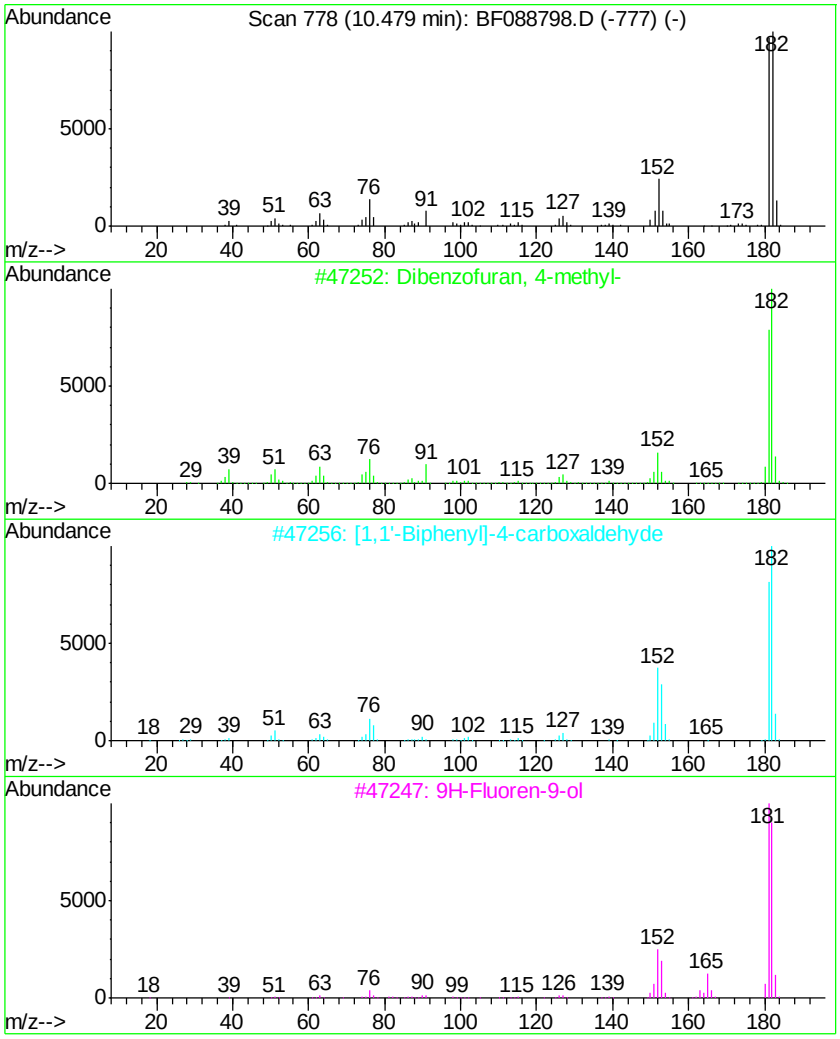
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

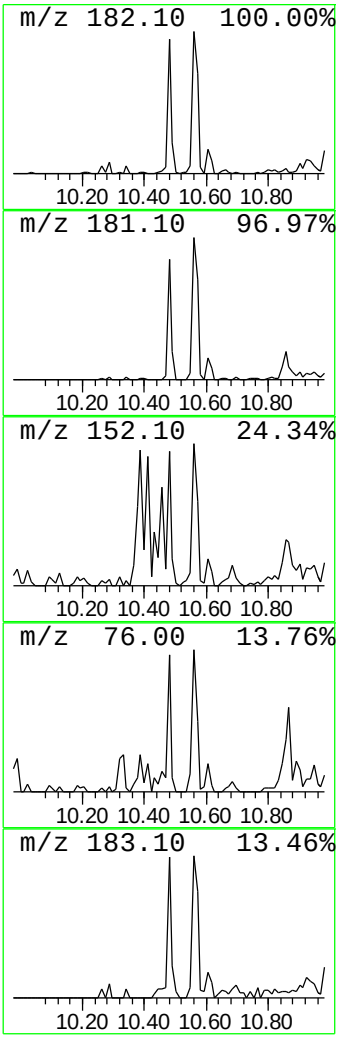
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	8.09 ng	300795	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	9H-Xanthene	182	C13H10O	000092-83-1	72
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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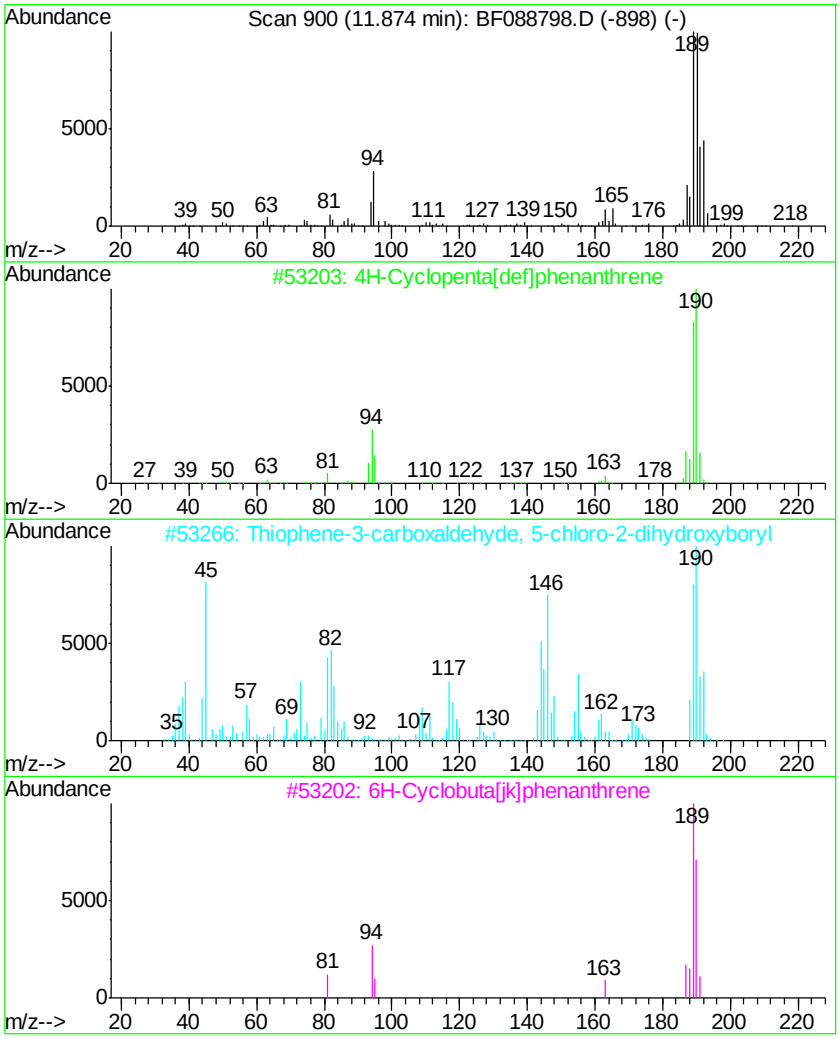
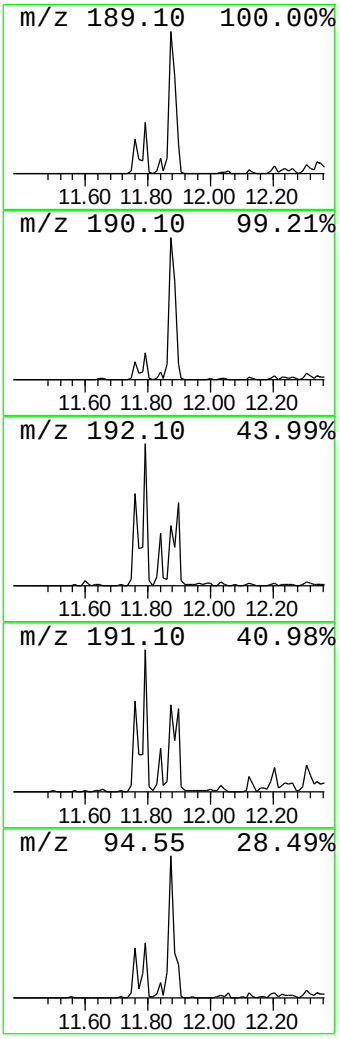
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	5.23 ng	2837530	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
4	Methyl diselenide	190	C2H6Se2	007101-31-7	38
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	23





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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

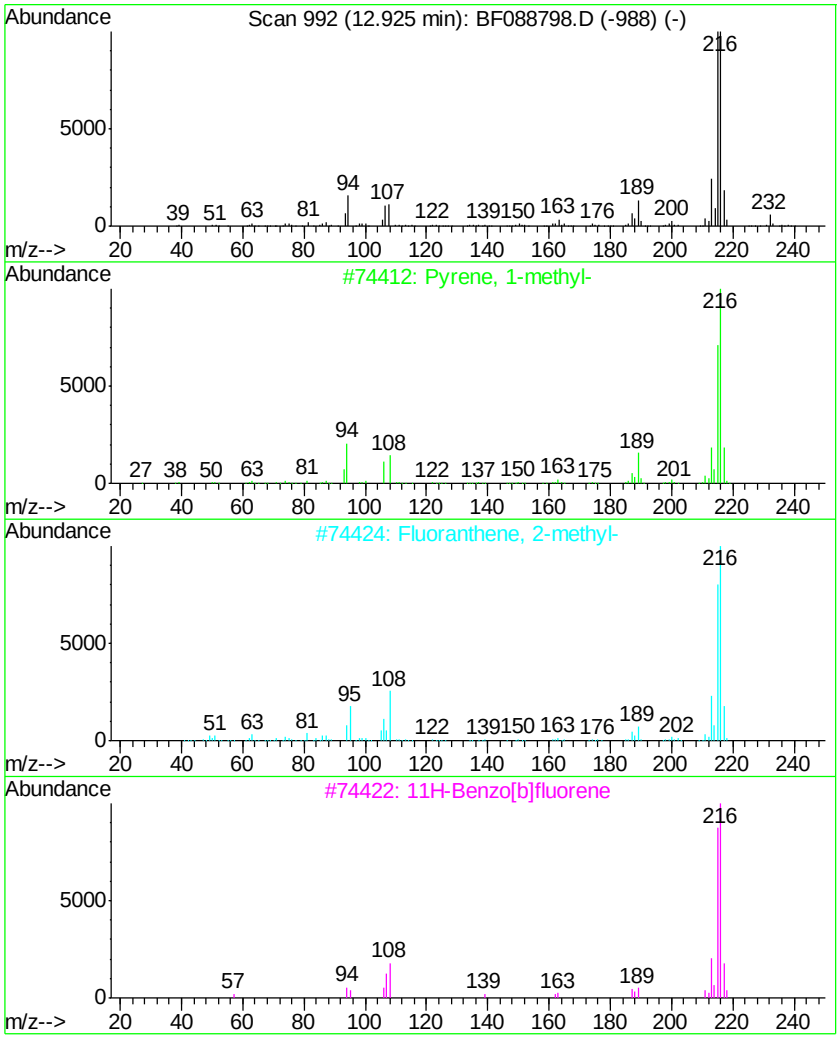
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

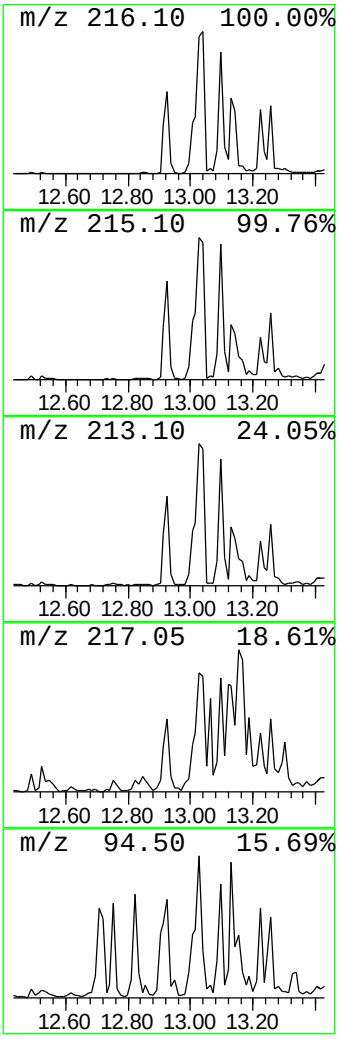
****

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	4.79 ng	2128830	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF070716\
Data File : BF088798.D
Acq On : 8 Jul 2016 00:34
Operator : UM/SJ
Sample : H3889-09 20X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

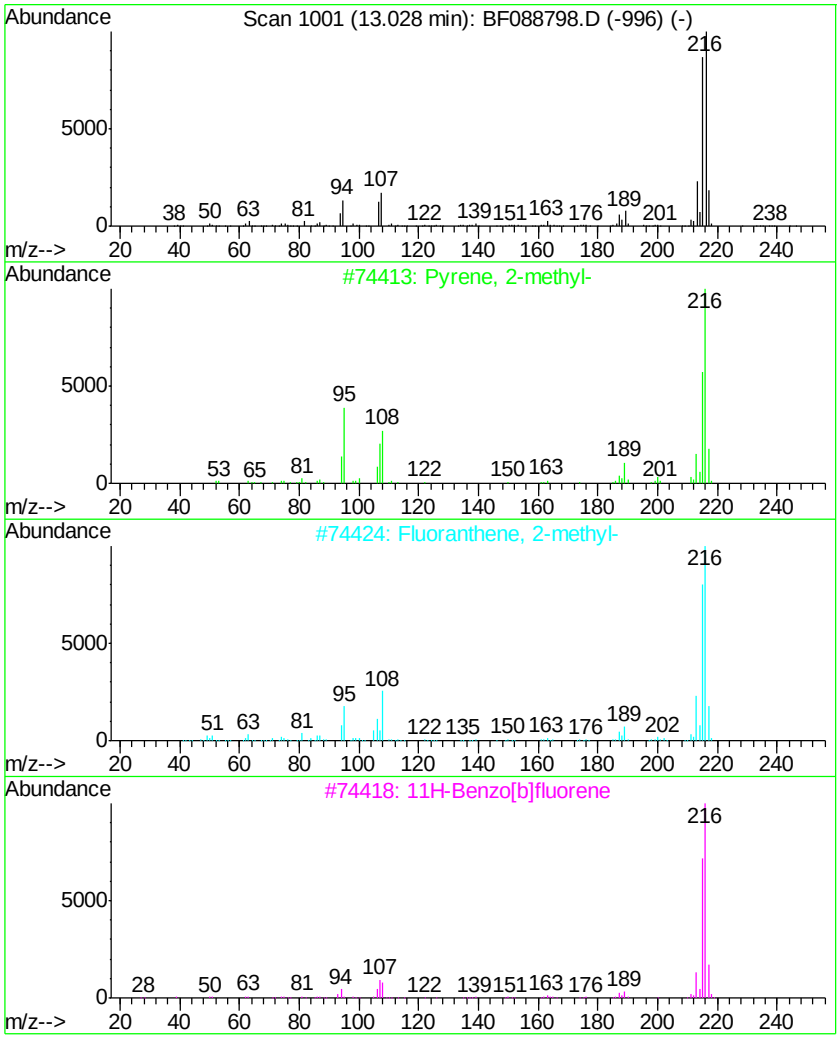
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

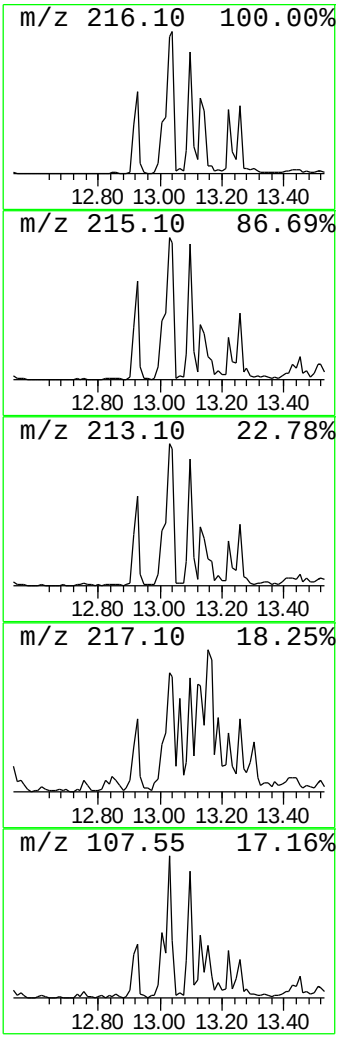
****

Peak Number 6 Pyrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	7.04 ng	3131960	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Sample : H3889-09 20X
Misc :
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ClientSampleId : SS-9

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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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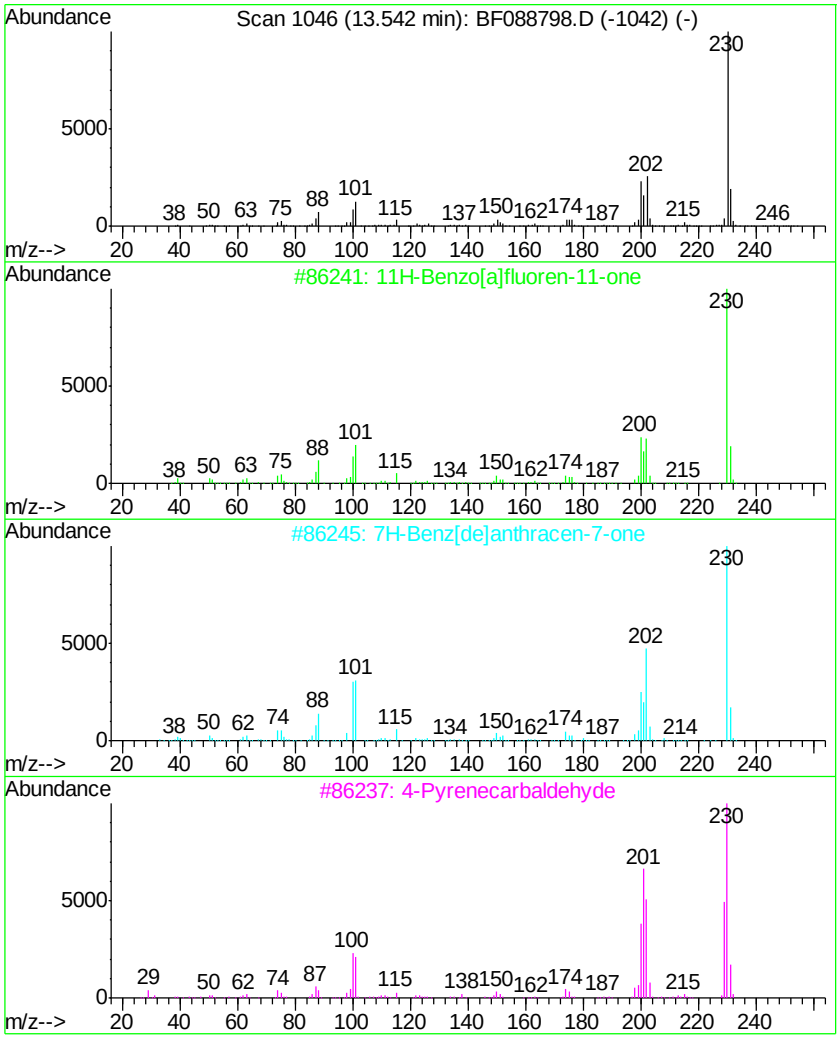
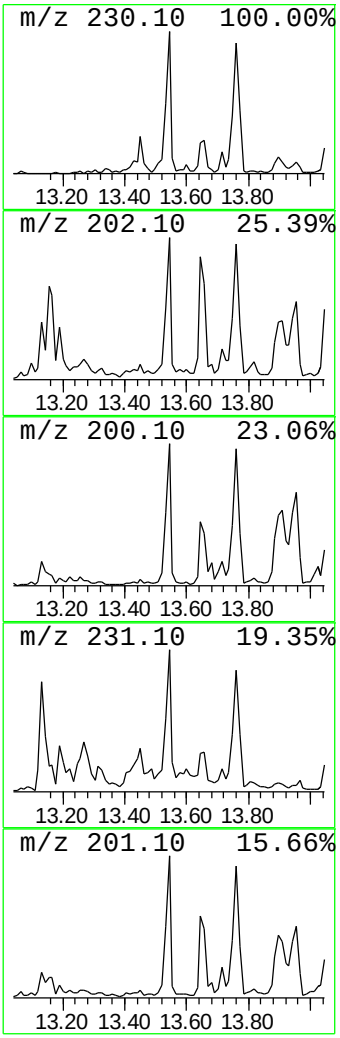
Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	4.98 ng	2214840	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	86
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
5	o-Terphenyl	230	C18H14	000084-15-1	64





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

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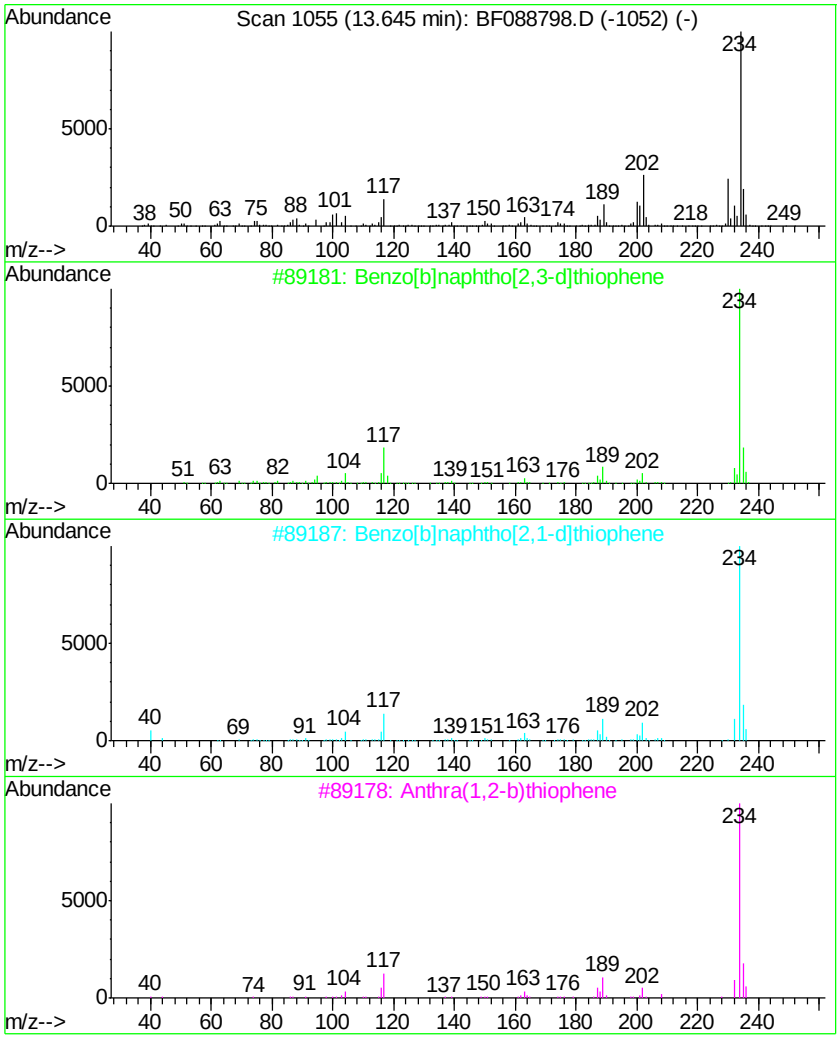
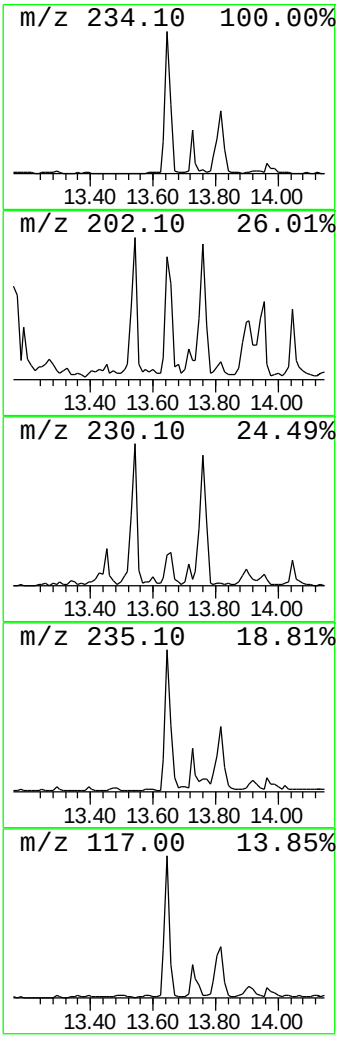
Peak Number 8 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	5.88 ng	2615450	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	49
5	2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	46





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ClientSampleId : SS-9

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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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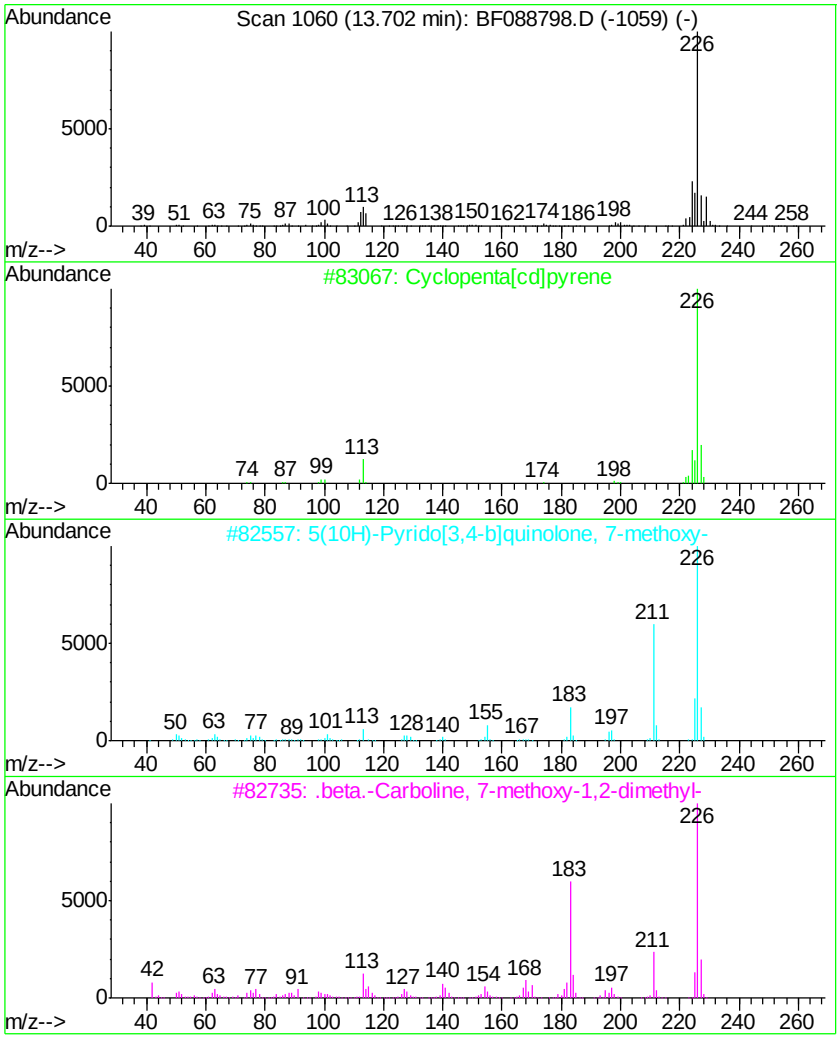
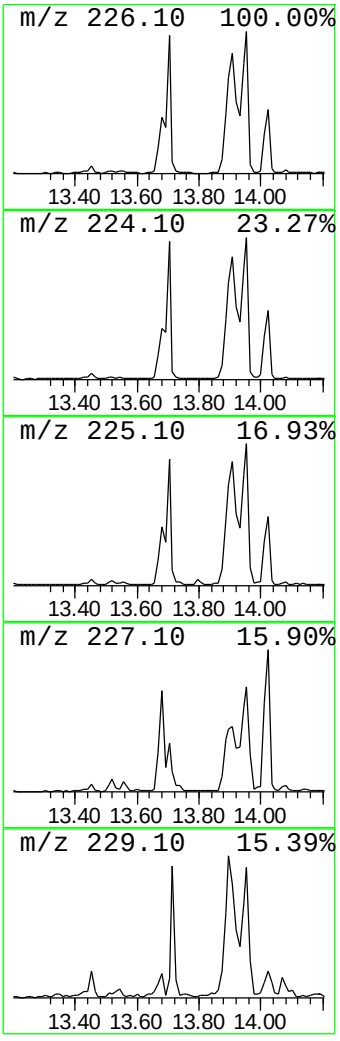
Peak Number 9 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	5.01 ng	2230390	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	94
2	5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	53
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	50
5	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	42





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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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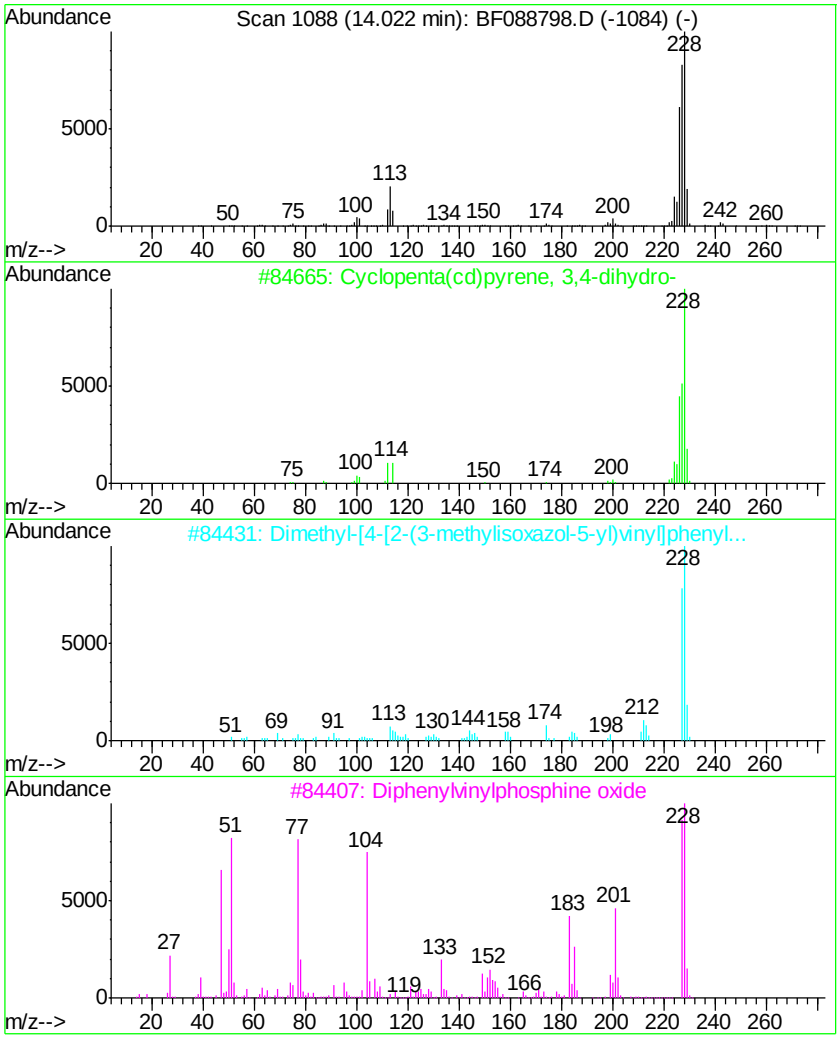
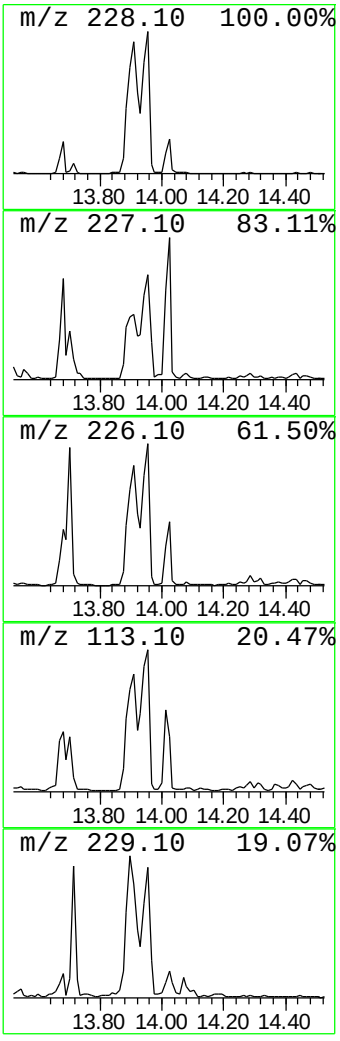
Peak Number 10 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	5.11 ng	2271570	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
5	Triphenylene	228	C18H12	000217-59-4	41





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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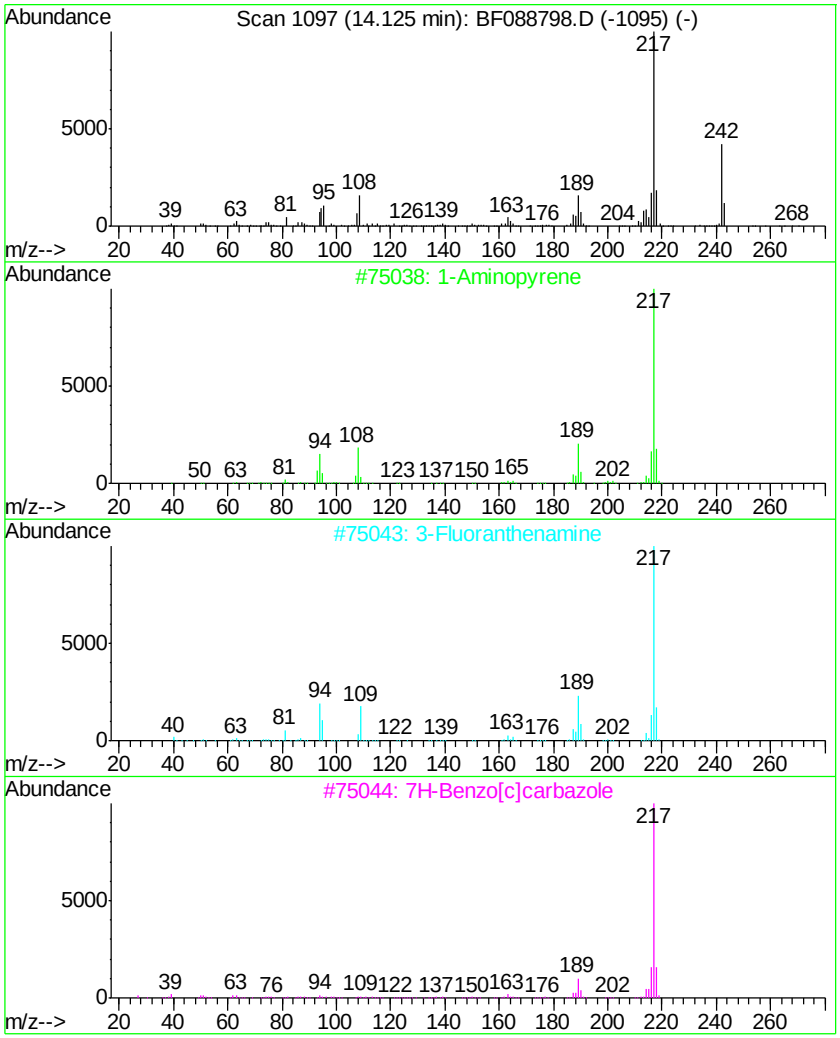
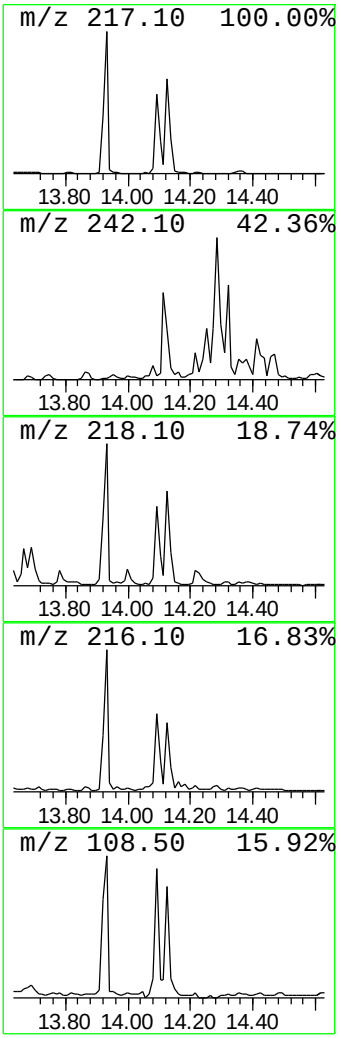
Peak Number 11 1-Aminopyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	4.37 ng	1941570	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Aminopyrene	217	C16H11N	001606-67-3	93
2	3-Fluoranthenamine	217	C16H11N	002693-46-1	70
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	60
4	11H-Indeno(1,2-b)quinoline	217	C16H11N	000243-51-6	53
5	Benzo(b)carbazole	217	C16H11N	000243-28-7	53





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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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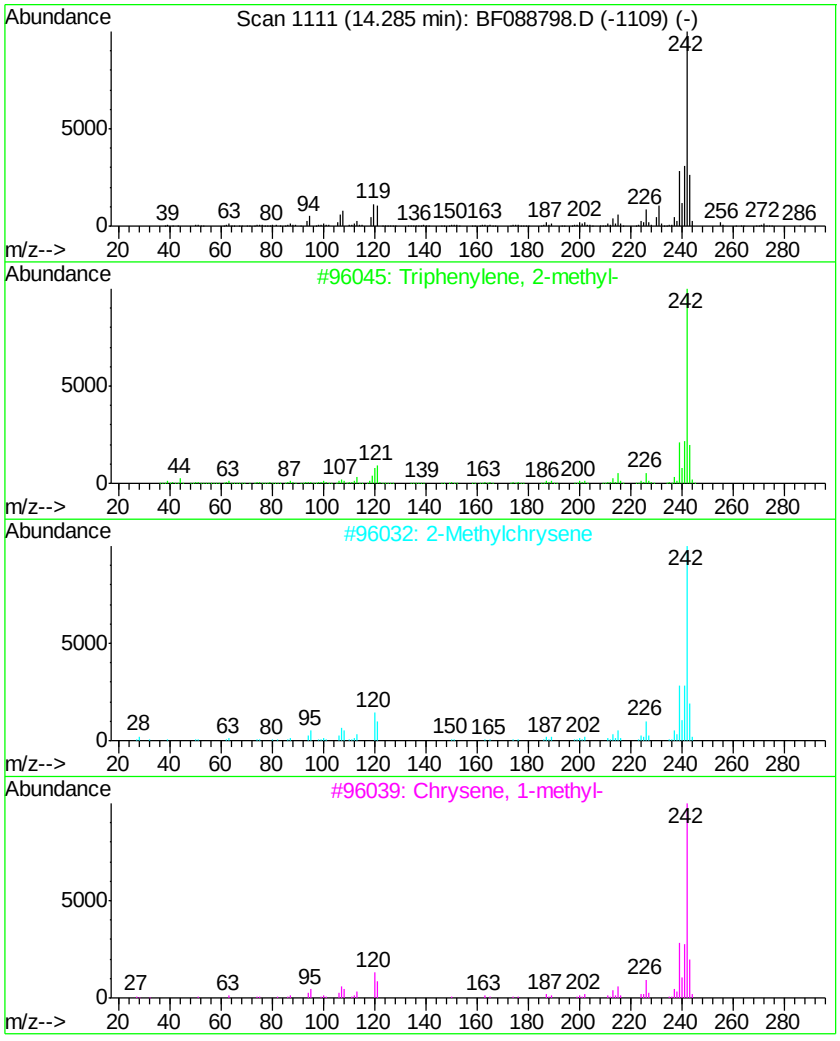
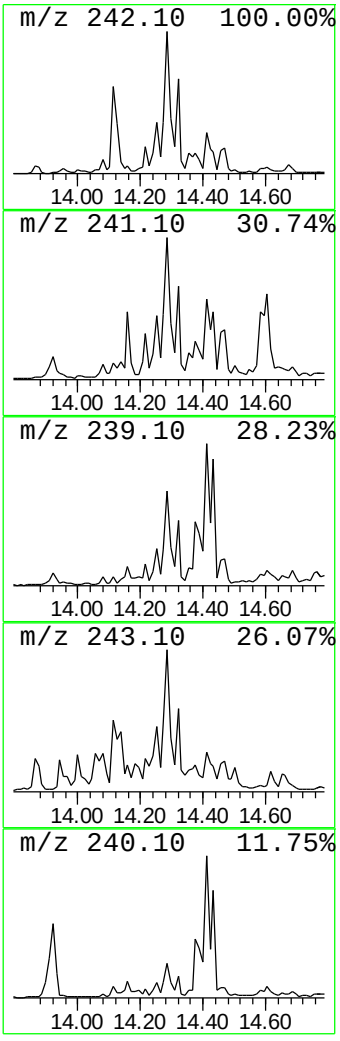
Peak Number 12 Triphenylene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	4.38 ng	1947160	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2	2-Methylchrysene	242	C19H14	003351-32-4	96
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	95





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Instrument : BNA_F
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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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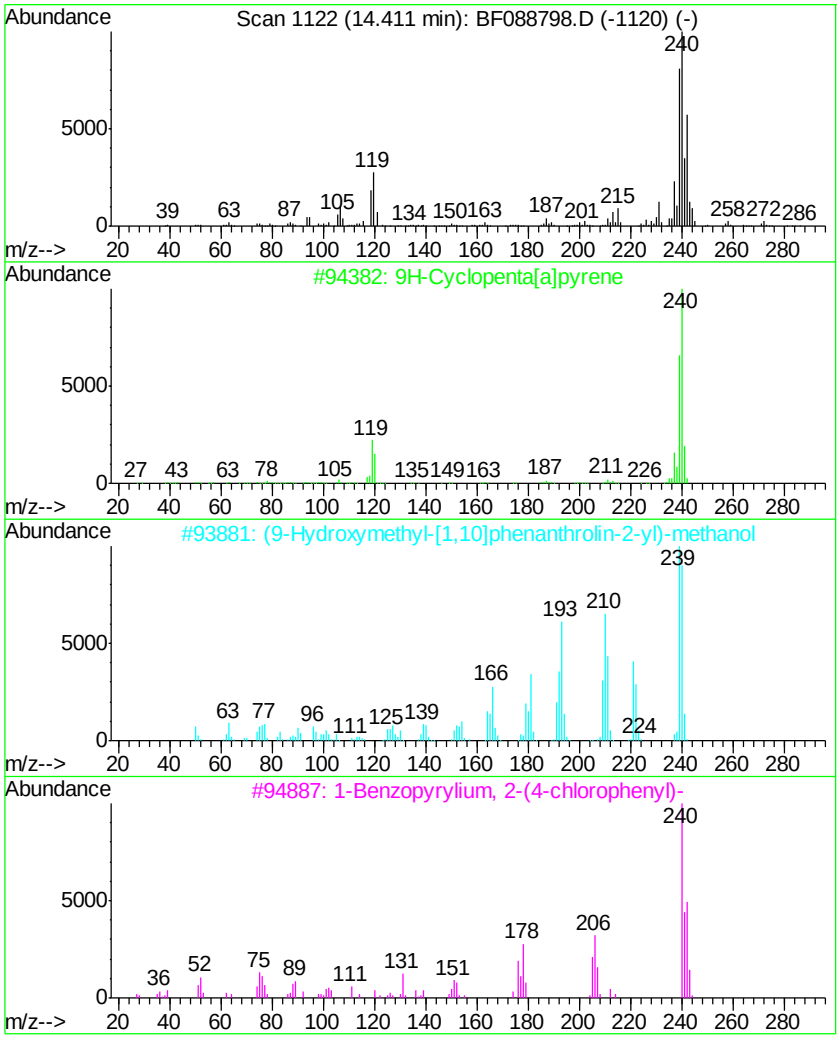
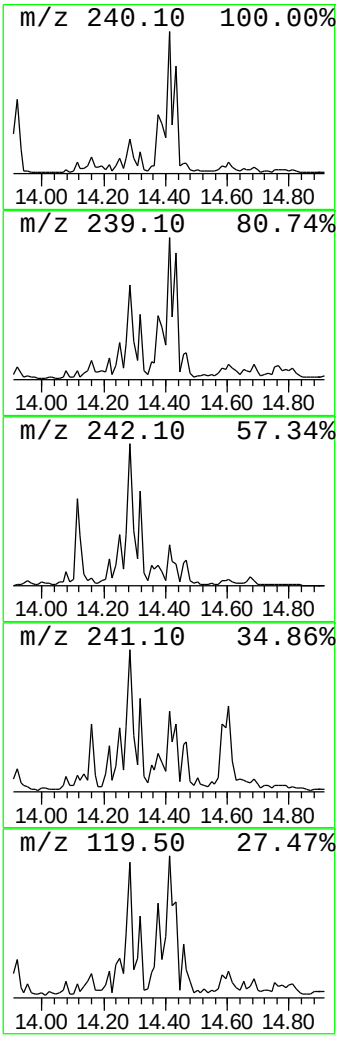
Peak Number 13 9H-Cyclopenta[a]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	4.88 ng	2169170	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	81
2	(9-Hydroxymethyl-[1,10]phenanthr...	240	C14H12N2O2	078831-36-4	47
3	1-Benzopyrylium, 2-(4-chlorophen...	241	C15H10ClO	049858-91-5	38
4	(3H,6H)Thieno[3,4-c]isoxazole, 6...	239	C11H10ClNOS	1000115-55-6	22
5	Cyclohexane, hexaethylidene-	240	C18H24	001482-93-5	18





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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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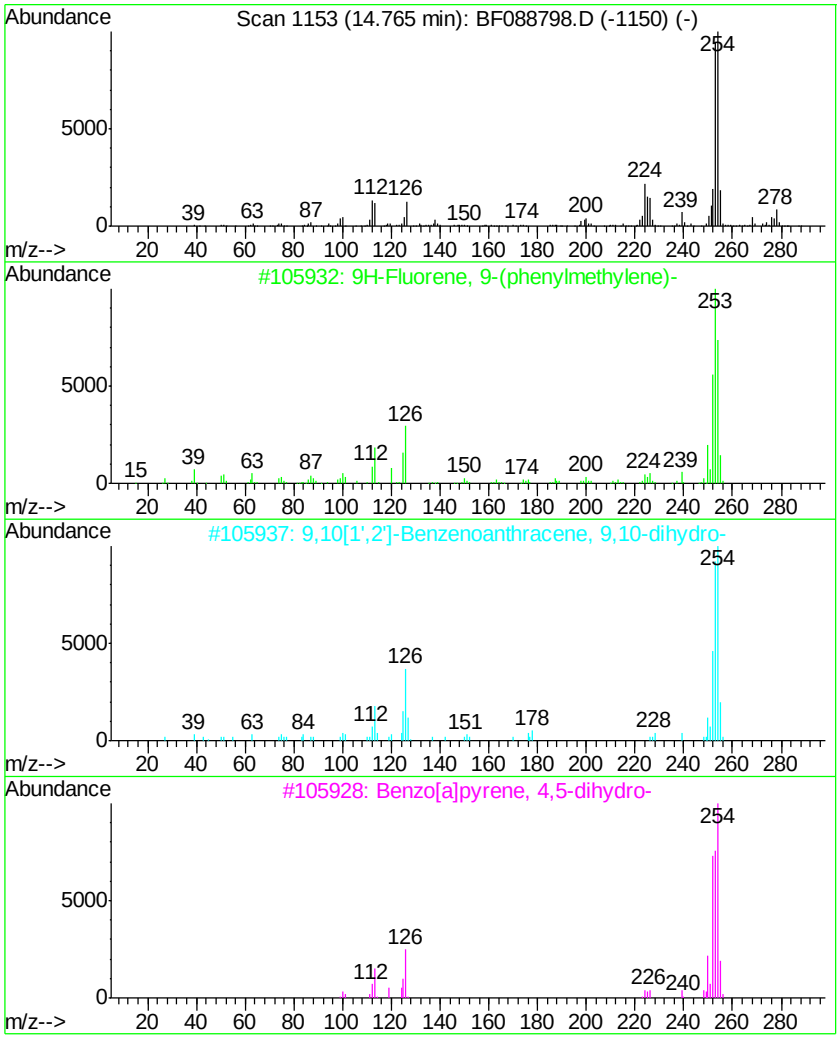
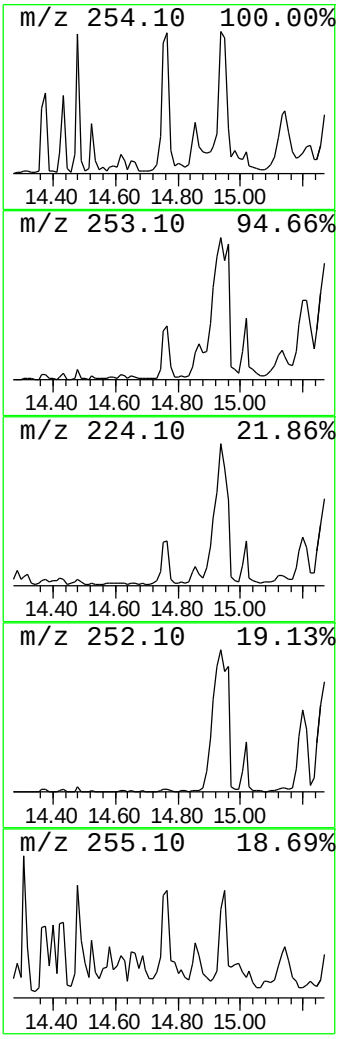
Peak Number 14 9H-Fluorene, 9-(phenylmethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	5.19 ng	1255810	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	76
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
3	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	64





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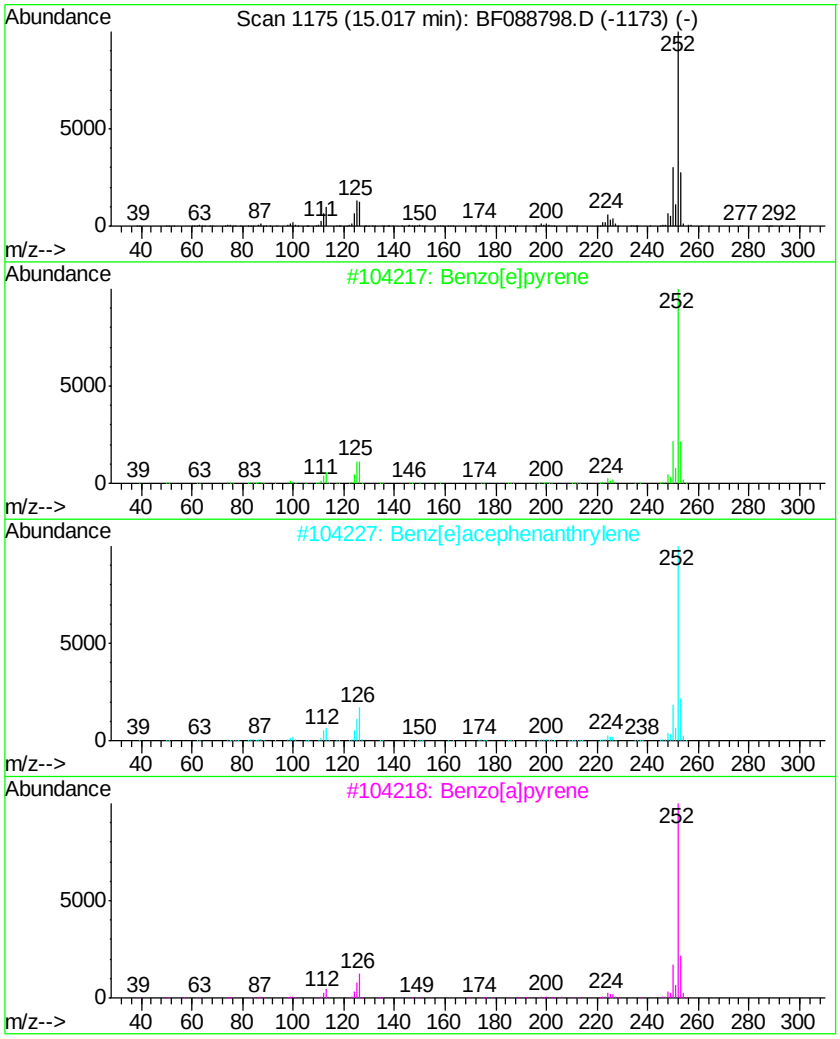
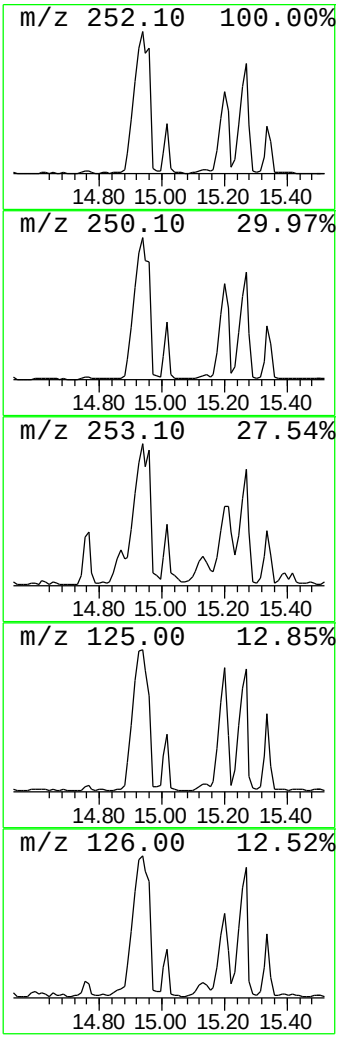
Peak Number 15 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	6.13 ng	1484090	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	81





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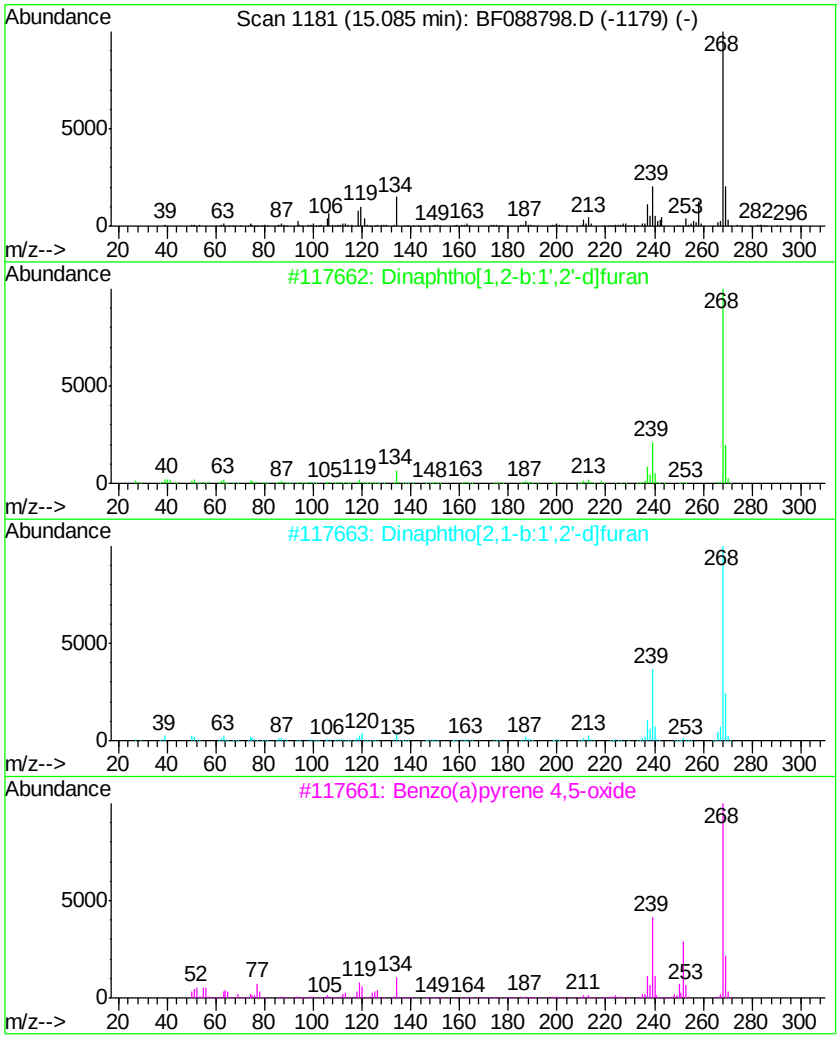
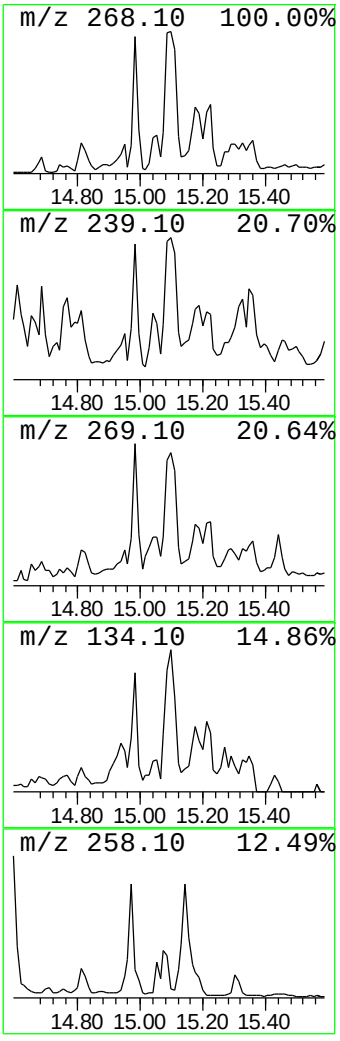
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	4.36 ng	1055270	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	83
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	58





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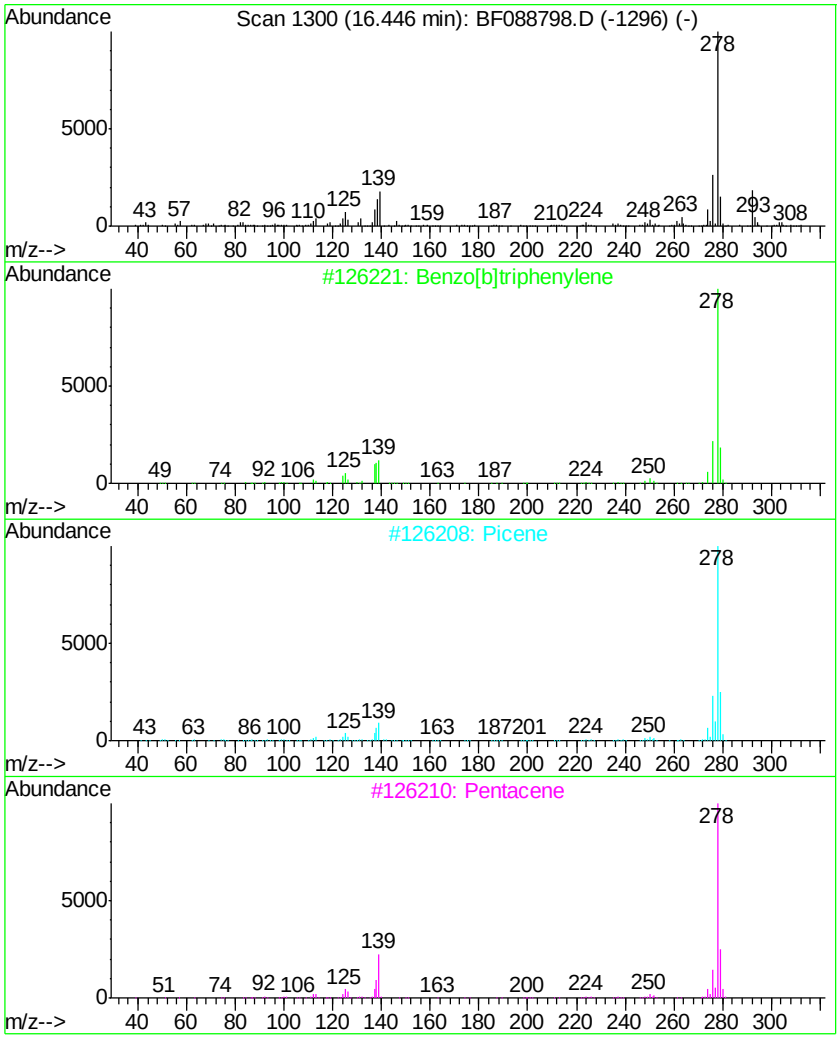
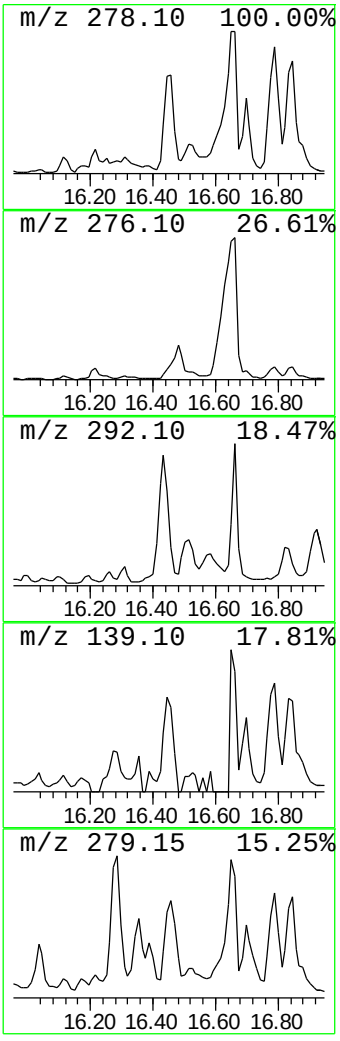
Peak Number 18 Benzo[b]triphenylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	4.69 ng	1135880	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	91
2	Picene	278	C22H14	000213-46-7	78
3	Pentacene	278	C22H14	000135-48-8	78
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	78
5	Benzo[b]chrysene	278	C22H14	000214-17-5	53





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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-9

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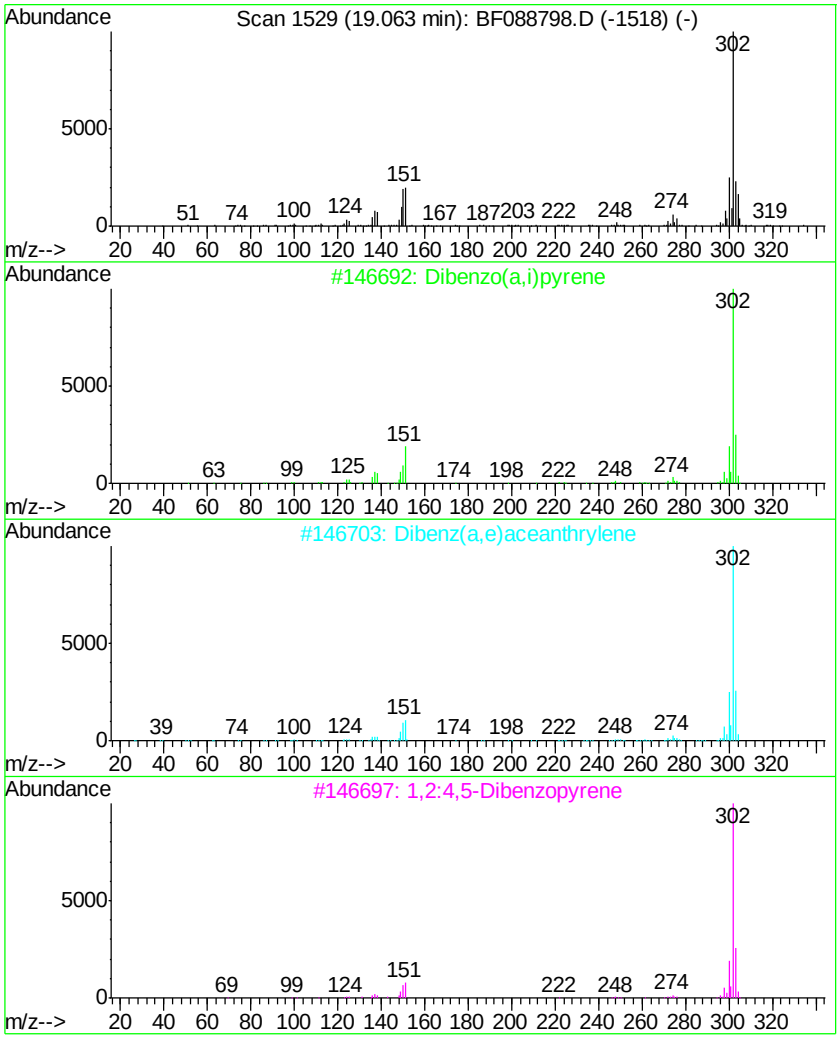
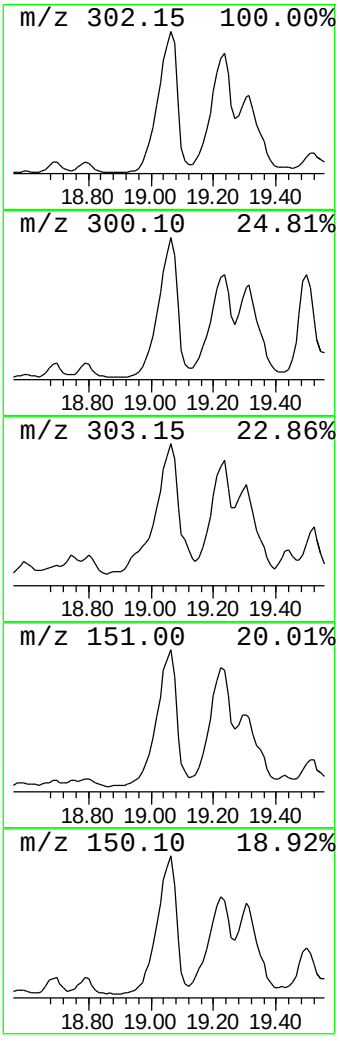
Peak Number 19 Dibenzo(a,i)pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	5.98 ng	1446910	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	98
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070716\
Data File : BF088798.D
Acq On : 8 Jul 2016 00:34
Operator : UM/SJ
Sample : H3889-09 20X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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
1-Isopropenylnaph...	10.39	9.9	ng	368602	3	9.78	743553	20.0
Dibenzofuran, 4-m...	10.48	8.1	ng	300795	3	9.78	743553	20.0
4H-Cyclopenta[def...	11.87	5.2	ng	2837530	4	11.27	10855100	20.0
Pyrene, 1-methyl-	12.93	4.8	ng	2128830	5	13.92	8895750	20.0
Pyrene, 2-methyl-	13.03	7.0	ng	3131960	5	13.92	8895750	20.0
11H-Benzo[a]fluor...	13.54	5.0	ng	2214840	5	13.92	8895750	20.0
Benzo[b]naphtho[2...	13.65	5.9	ng	2615450	5	13.92	8895750	20.0
Cyclopenta[cd]pyrene	13.70	5.0	ng	2230390	5	13.92	8895750	20.0
Cyclopenta(cd)pyr...	14.02	5.1	ng	2271570	5	13.92	8895750	20.0
1-Aminopyrene	14.13	4.4	ng	1941570	5	13.92	8895750	20.0
Triphenylene, 2-m...	14.29	4.4	ng	1947160	5	13.92	8895750	20.0
9H-Cyclopenta[a]p...	14.41	4.9	ng	2169170	5	13.92	8895750	20.0
9H-Fluorene, 9-(p...	14.77	5.2	ng	1255810	6	15.30	4841850	20.0
Benzo[e]pyrene	15.02	6.1	ng	1484090	6	15.30	4841850	20.0
Dinaphtho[1,2-b:1...	15.09	4.4	ng	1055270	6	15.30	4841850	20.0
Benzo[b]triphenylene	16.45	4.7	ng	1135880	6	15.30	4841850	20.0
Dibenzo(a,i)pyrene	19.06	6.0	ng	1446910	6	15.30	4841850	20.0