LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078697.D
Acq On : 21 Apr 2015 22:09
Operator : TP/IZ
Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

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-BF040115.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	1.415	19	20	26	rBV	314110	513716	9.28%	0.982%
2	1.507	26	28	56	rVB	1171701	2351773	42.49%	4.497%
3	3.324	185	187	194	rVB	144464	191294	3.46%	0.366%
4	3.838	229	232	244	rBV	671855	862664	15.59%	1.650%
5	5.324	359	362	371	rBV	584322	871101	15.74%	1.666%
6	5.461	371	374	377	rVB	734624	925712	16.72%	1.770%
7	5.816	402	405	408	rBV	174430	204746	3.70%	0.392%
8	6.056	423	426	429	rBV	584438	676031	12.21%	1.293%
9	6.753	484	487	490	rBV	386938	534667	9.66%	1.022%
10	7.976	591	594	597	rBV	249637	293966	5.31%	0.562%
11	9.988	767	770	773	rBV	740666	1050162	18.97%	2.008%
12	11.165	870	873	876	rBV	269107	359273	6.49%	0.687%
13	11.576	904	909	913	rBV2	43908	89099	1.61%	0.170%
14	11.976	941	944	948	rVB	57903	88349	1.60%	0.169%
15	12.125	954	957	960	rVB	115785	145068	2.62%	0.277%
16	12.194	960	963	966	rBV3	36986	65479	1.18%	0.125%
17	12.319	972	974	979	rVB3	39436	91372	1.65%	0.175%
18	12.639	997	1002	1008	rBV	568730	889870	16.08%	1.702%
19	12.868	1015	1022	1025	rBV2	63386	184271	3.33%	0.352%
20	13.222	1049	1053	1055	rVV4	28959	87998	1.59%	0.168%
21	13.382	1065	1067	1073	rVB3	24194	73455	1.33%	0.140%
22	13.542	1077	1081	1085	rBV4	31383	90421	1.63%	0.173%
23	13.622	1085	1088	1090	rBV	94877	132151	2.39%	0.253%
24	13.839	1103	1107	1110	rBV2	55037	90982	1.64%	0.174%
25	13.897	1110	1112	1114	rBV	248289	381053	6.88%	0.729%
26	13.942	1114	1116	1119	rVB	722718	1001056	18.09%	1.914%
27	14.034	1119	1124	1126	rBV	136628	229576	4.15%	0.439%
28	14.091	1126	1129	1132	rVB2	39818	72724	1.31%	0.139%
29	14.194	1132	1138	1140	rBV2	64600	133651	2.41%	0.256%
30	14.262	1142	1144	1147	rVB2	39135	60008	1.08%	0.115%
31	14.377	1152	1154	1157	rVB2	49847	73026	1.32%	0.140%
32	14.445	1157	1160	1161	rBV	57417	86424	1.56%	0.165%
33	14.491	1161	1164	1167	rVB2	153598	239982	4.34%	0.459%
34	14.548	1167	1169	1172	rBV3	67191	97422	1.76%	0.186%

LSC Area Percent Report

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Data File : BF078697.D
Acq On : 21 Apr 2015 22:09
Operator : TP/IZ
Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

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-BF040115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.674	1177	1180	1184	rVV4	128411	286645	5.18%	0.548%
36	14.742	1184	1186	1187	rVV	44518	65884	1.19%	0.126%
37	14.777	1187	1189	1191	rVV	175431	332099	6.00%	0.635%
38	14.822	1191	1193	1196	rVV	1107369	1458768	26.35%	2.790%
39	14.925	1197	1202	1205	rVV4	651933	1342795	24.26%	2.568%
40	14.994	1205	1208	1210	rVV	945305	1539445	27.81%	2.944%
41	15.040	1210	1212	1215	rVV	421776	647292	11.69%	1.238%
42	15.120	1215	1219	1220	rVV3	200704	441460	7.98%	0.844%
43	15.154	1220	1222	1224	rVV	877604	1167009	21.08%	2.232%
44	15.222	1224	1228	1231	rVV4	233933	746044	13.48%	1.427%
45	15.291	1231	1234	1236	rVV2	844035	1380923	24.95%	2.641%
46	15.360	1236	1240	1243	rVV3	225660	613775	11.09%	1.174%
47	15.405	1243	1244	1247	rVV2	76762	143189	2.59%	0.274%
48	15.485	1247	1251	1252	rVV	352828	629248	11.37%	1.203%
49	15.520	1252	1254	1257	rVV	835911	1168897	21.12%	2.235%
50	15.565	1257	1258	1260	rVV2	88034	110391	1.99%	0.211%
51	15.657	1262	1266	1269	rVV	1458707	2819922	50.95%	5.393%
52	15.714	1269	1271	1276	rVV2	420208	819828	14.81%	1.568%
53	15.794	1276	1278	1280	rVV	469253	636141	11.49%	1.217%
54	15.840	1280	1282	1285	rVB2	855983	1160477	20.97%	2.219%
55	15.965	1290	1293	1296	rVB	1437822	1925602	34.79%	3.682%
56	16.034	1296	1299	1301	rBV2	117732	162303	2.93%	0.310%
57	16.080	1301	1303	1305	rVB	130329	168935	3.05%	0.323%
58	16.148	1306	1309	1312	rVB2	1119099	1511149	27.30%	2.890%
59	16.285	1315	1321	1326	rVB	513442	885585	16.00%	1.694%
60	16.377	1326	1329	1331	rBV	605649	784127	14.17%	1.500%
61	16.434	1331	1334	1337	rVB	1109771	1393100	25.17%	2.664%
62	16.480	1337	1338	1341	rVB	51635	66527	1.20%	0.127%
63	16.605	1345	1349	1354	rVB	2314348	2990064	54.02%	5.718%
64	16.720	1354	1359	1361	rVB3	61588	126004	2.28%	0.241%
65	16.765	1361	1363	1364	rBV	99687	134028	2.42%	0.256%
66	16.845	1369	1370	1372	rVV2	62907	61797	1.12%	0.118%
67	16.914	1374	1376	1378	rVB	77719	86993	1.57%	0.166%
68	17.017	1383	1385	1387	rVV	297156	345895	6.25%	0.661%
69	17.051	1387	1388	1393	rVV4	59242	114725	2.07%	0.219%
70	17.143	1393	1396	1398	rVB	590019	683028	12.34%	1.306%
71	17.234	1398	1404	1405	rBV3	32369	90282	1.63%	0.173%

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Instrument : BNA_F
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Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.303	1408	1410	1413	rBV2	27049	57416	1.04%	0.110%
73	17.440	1420	1422	1424	rBV2	36580	70759	1.28%	0.135%
74	17.485	1424	1426	1429	rBV2	60689	105284	1.90%	0.201%
75	17.543	1429	1431	1433	rBV2	72406	147262	2.66%	0.282%
76	17.691	1433	1444	1447	rBV2	1705050	5535205	100.00%	10.585%
77	17.771	1448	1451	1453	rVV2	538124	1206101	21.79%	2.307%
78	17.806	1453	1454	1456	rVB	263642	357572	6.46%	0.684%
79	18.286	1494	1496	1498	rVB	75151	83650	1.51%	0.160%
80	19.063	1561	1564	1569	rVB	230485	539809	9.75%	1.032%
81	19.360	1588	1590	1593	rVB	184205	218111	3.94%	0.417%
82	19.417	1593	1595	1598	rVB	245017	315668	5.70%	0.604%
83	19.486	1598	1601	1605	rBV2	334672	513800	9.28%	0.983%
84	19.989	1642	1645	1646	rBV2	132073	181964	3.29%	0.348%
85	20.274	1667	1670	1672	rBV	65252	100862	1.82%	0.193%
86	20.526	1690	1692	1695	rVB2	38083	61506	1.11%	0.118%
87	20.652	1700	1703	1707	rVB2	116334	256913	4.64%	0.491%
88	20.960	1727	1730	1738	rVB	128229	260201	4.70%	0.498%

Sum of corrected areas: 52291001

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
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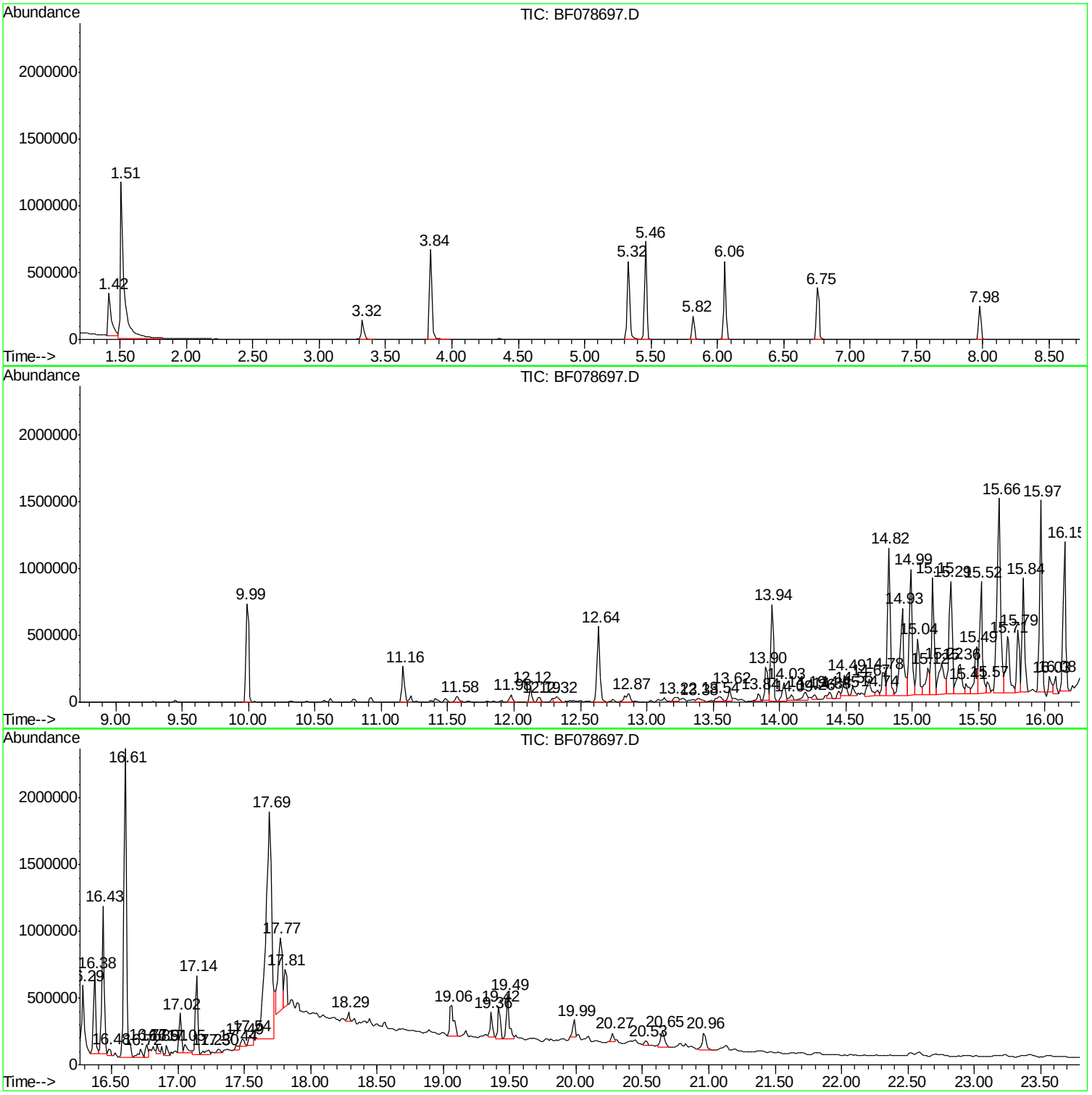
Operator : TP/IZ
Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078697.D
Acq On : 21 Apr 2015 22:09
Operator : TP/IZ
Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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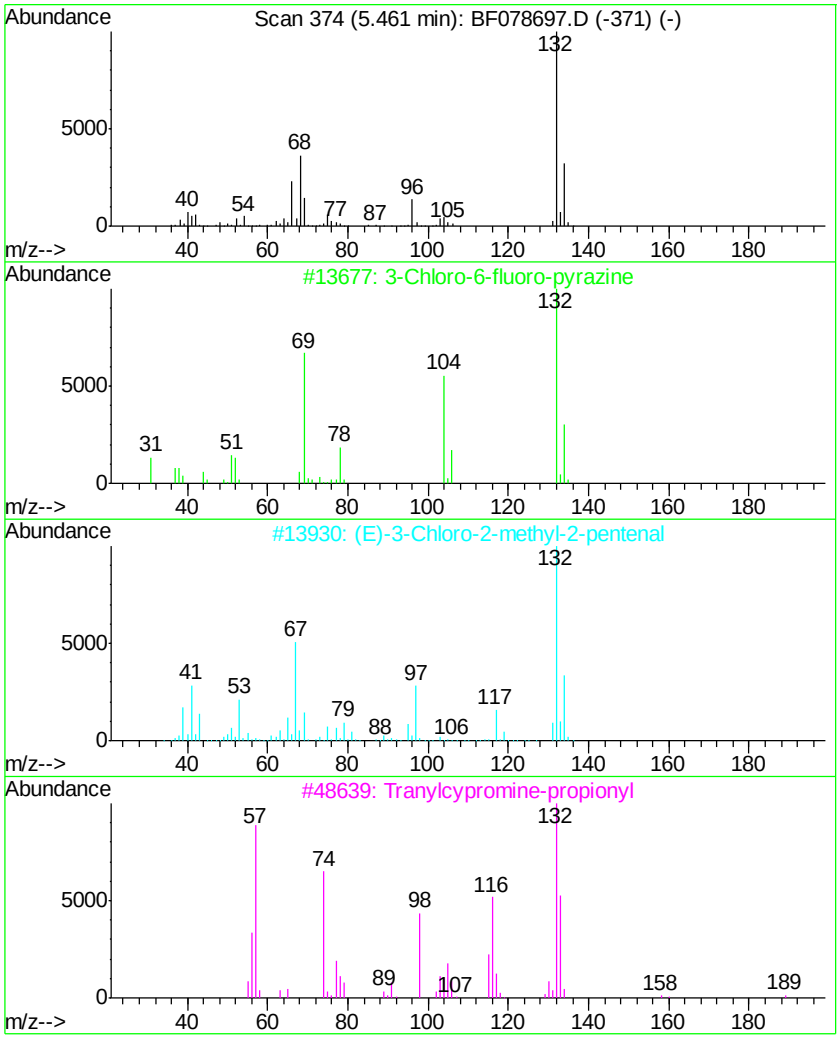
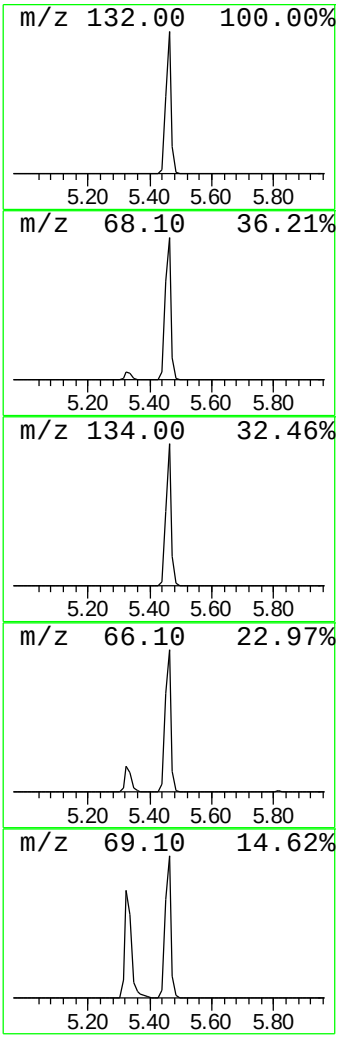
Peak Number 3 unknown5.46 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.46	90.43 ng	925712	1,4-Dichlorobenzene-d4	5.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078697.D
Acq On : 21 Apr 2015 22:09
Operator : TP/IZ
Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

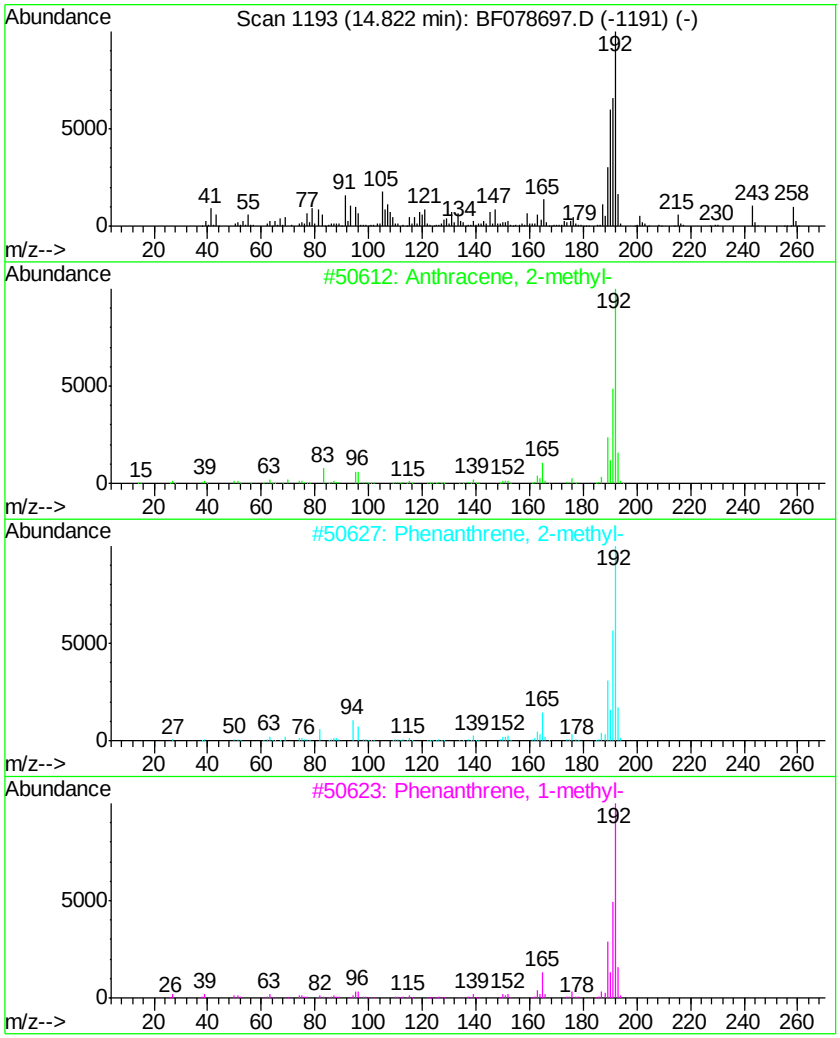
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

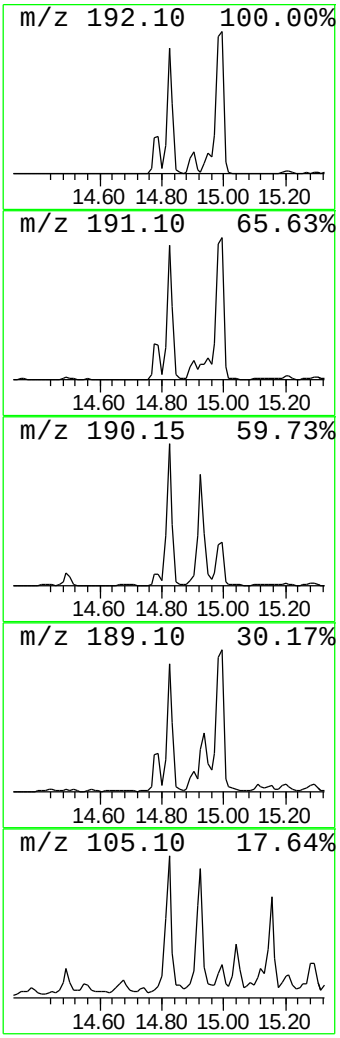
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	76.57 ng	1458770	Phenanthrene-d10	13.90

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





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Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

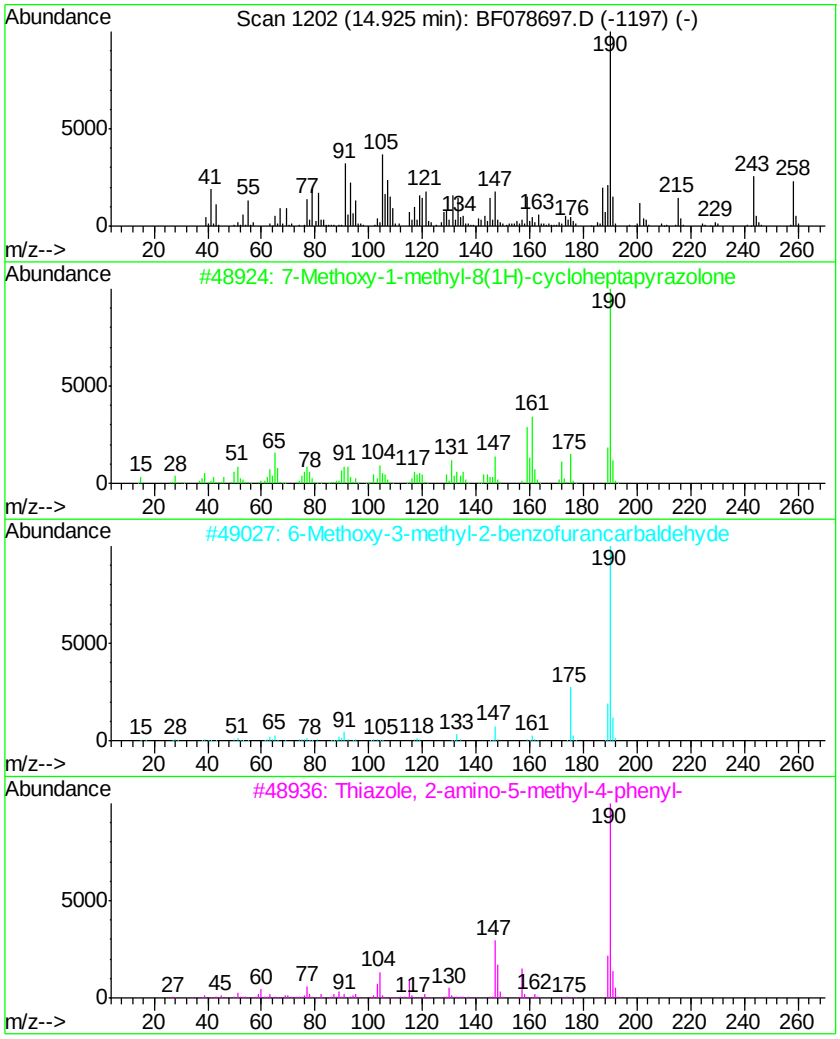
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

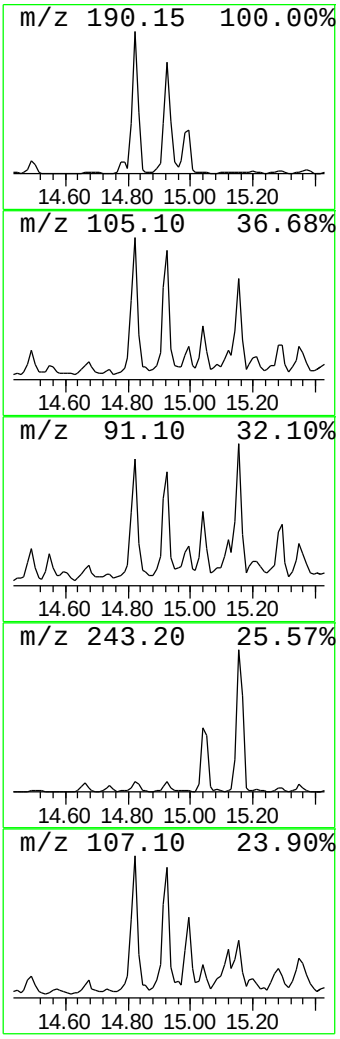
****

Peak Number 6 unknown14.93 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	70.48 ng	1342800	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methoxy-1-methyl-8(1H)-cyclohe...	190	C10H10N2O2	005952-95-4	38
2	6-Methoxy-3-methyl-2-benzofuranc...	190	C11H10O3	010410-28-3	38
3	Thiazole, 2-amino-5-methyl-4-phe...	190	C10H10N2S	030709-67-2	35
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	35
5	3,3',5,5'-Tetramethyl-2,2'-bifuryl	190	C12H14O2	222187-59-9	35





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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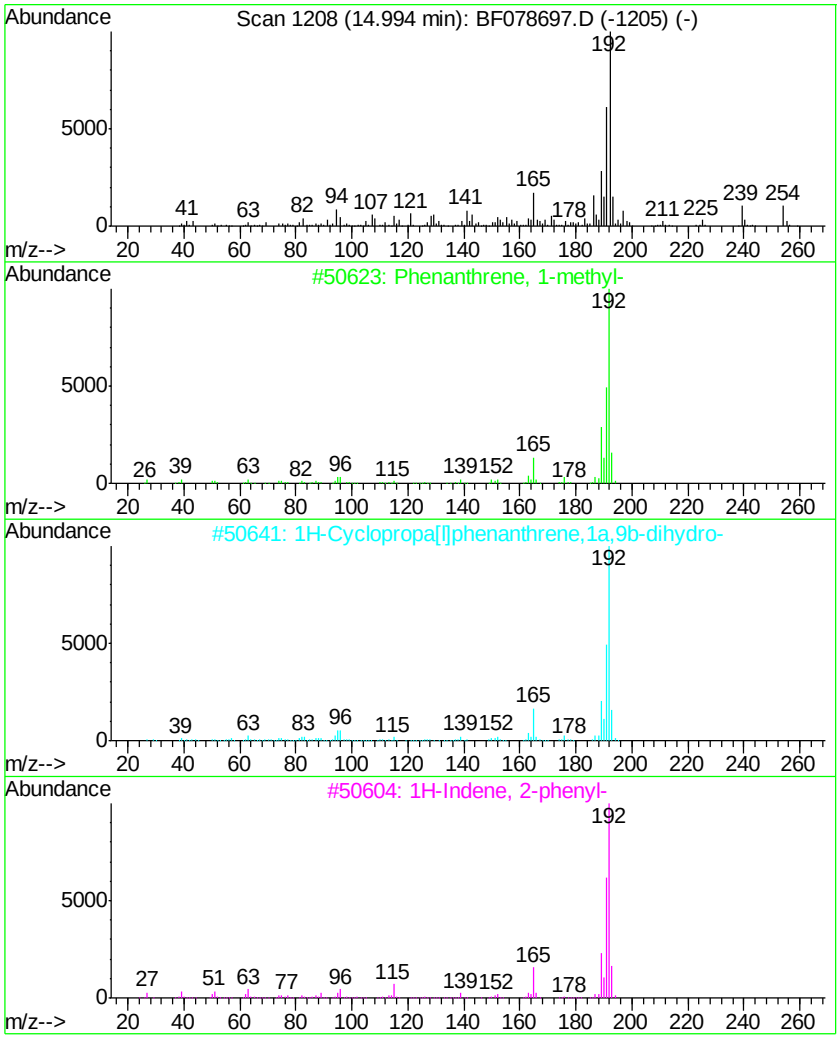
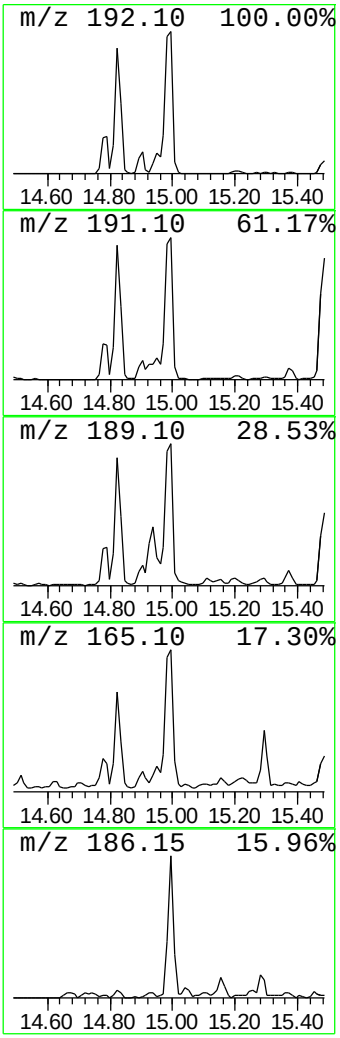
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	80.80 ng	1539450	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	92
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	86





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Data File : BF078697.D
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Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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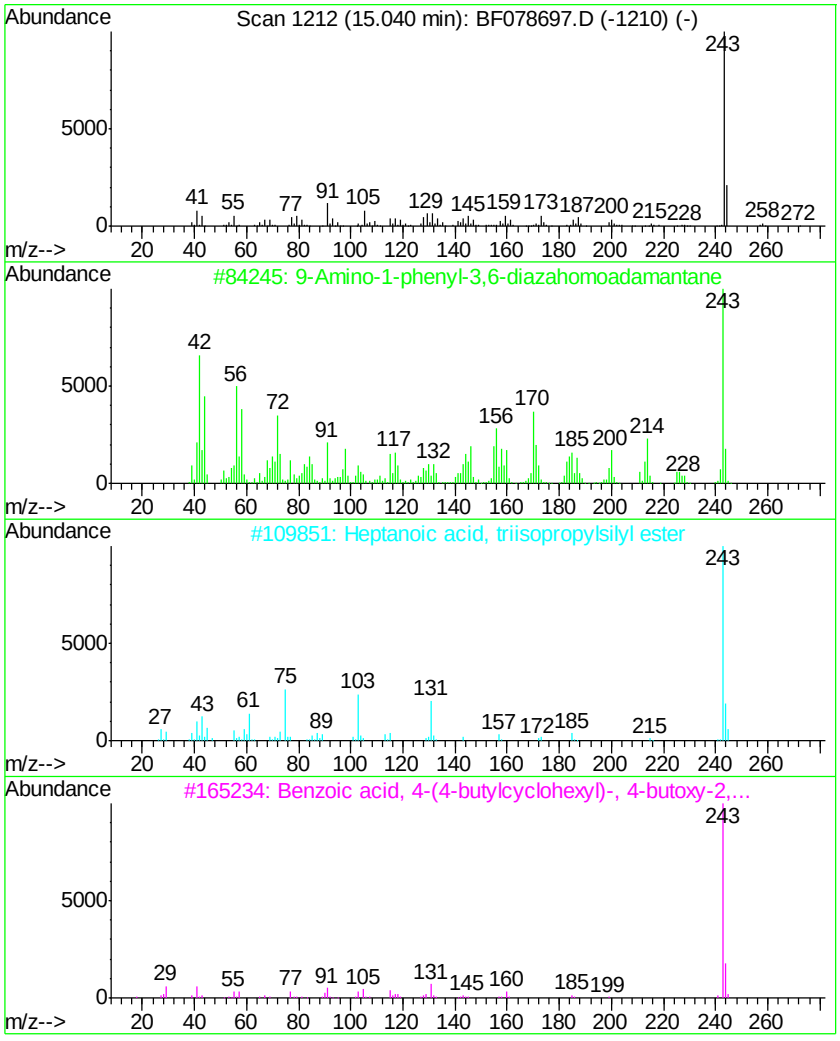
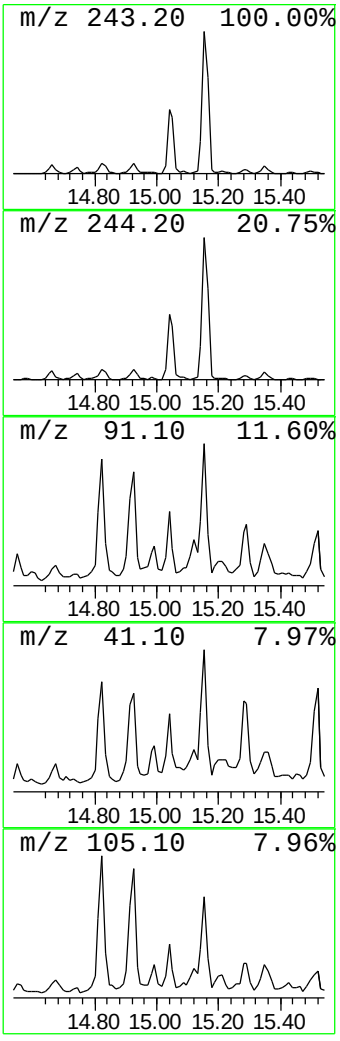
Peak Number 8 9-Amino-1-phenyl-3,6-diazah... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	33.97 ng	647292	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Amino-1-phenyl-3,6-diazahomoad...	243	C15H21N3	147084-69-3	72
2	Heptanoic acid, triisopropylsilv...	286	C16H34O2Si	1000279-49-1	50
3	Benzoic acid, 4-(4-butylcyclohex...	458	C29H34N2O3	075941-90-1	45
4	9H-Carbazole, 9-phenyl-	243	C18H13N	001150-62-5	45
5	Benzoic acid, 4-(4-butylcyclohex...	472	C30H36N2O3	075941-91-2	45





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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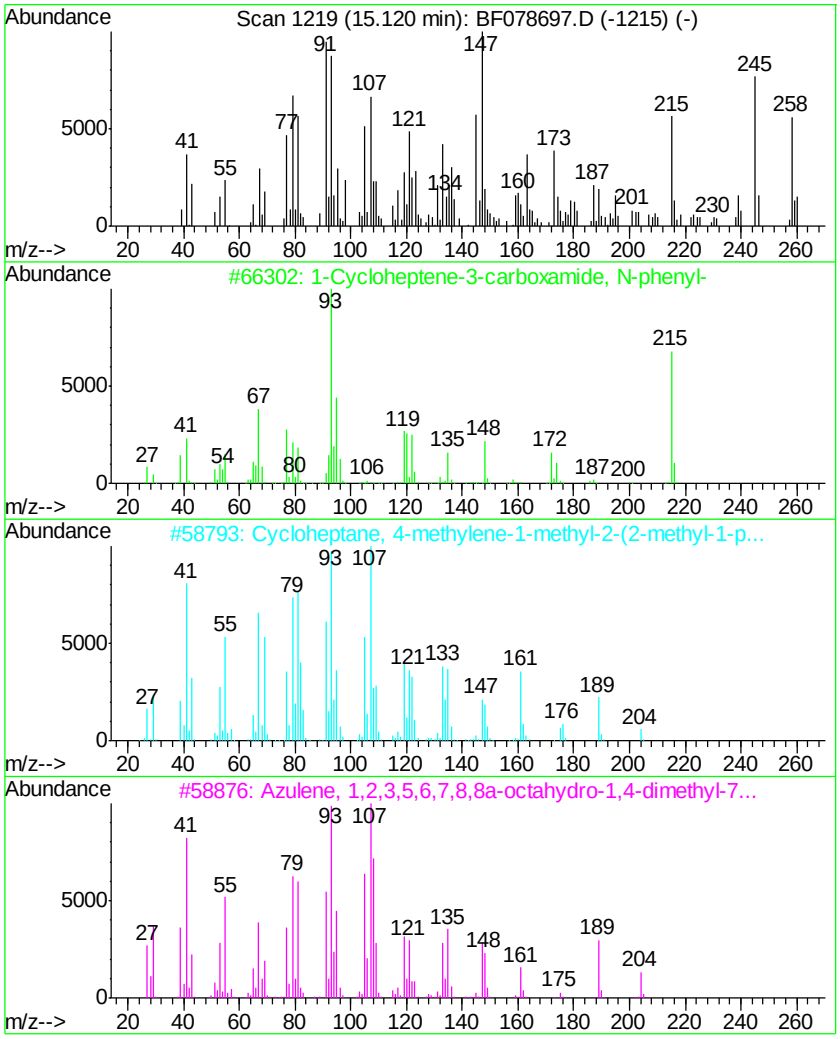
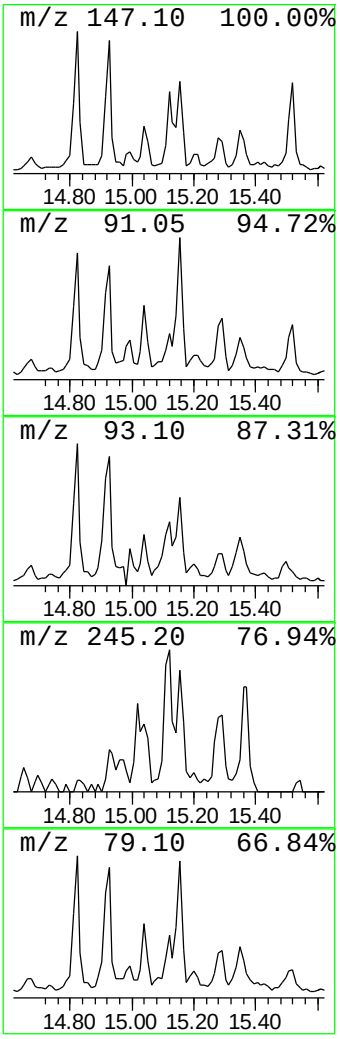
Peak Number 9 unknown15.12 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	23.17 ng	441460	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cycloheptene-3-carboxamide, N-...	215	C14H17NO	1000159-24-4	15
2	Cycloheptane, 4-methylene-1-meth...	204	C15H24	1000159-38-5	15
3	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	11
4	1,5,9,11-Tridecatetraene, 12-met...	190	C14H22	062338-27-6	11
5	4H-Cyclopenta[5,6]naphtho[1,2-b]...	258	C17H22S	065121-19-9	11





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Data File : BF078697.D
Acq On : 21 Apr 2015 22:09
Operator : TP/IZ
Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

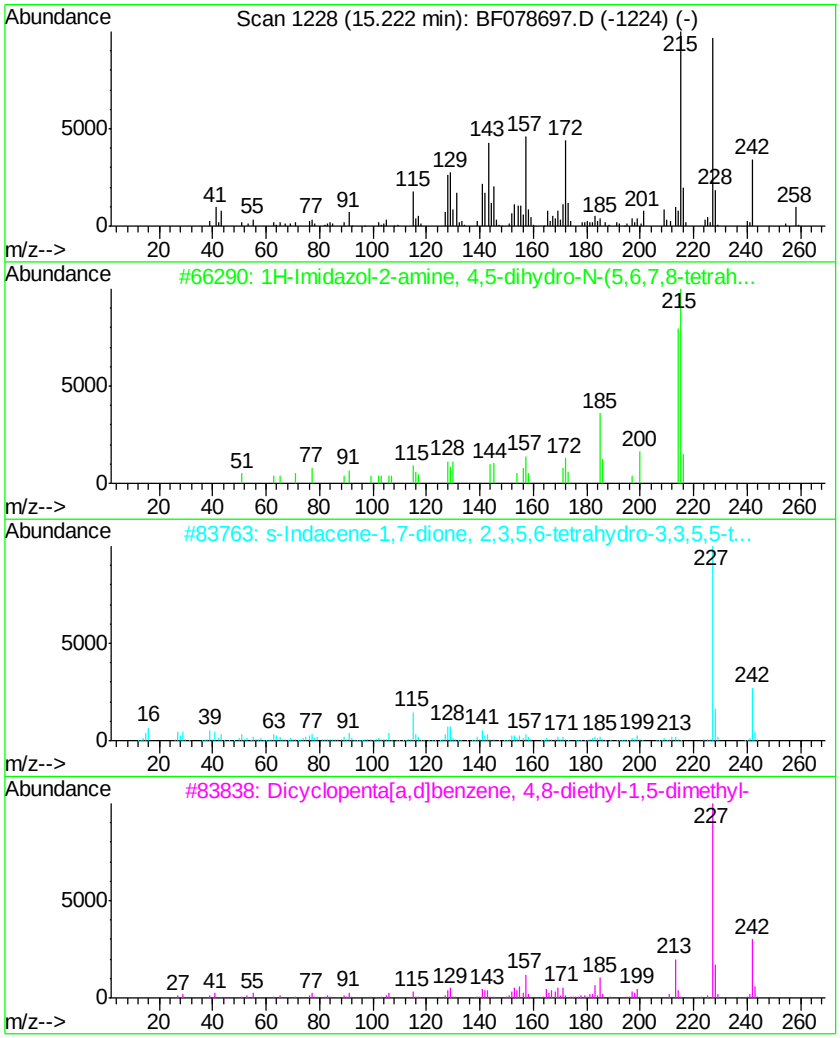
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

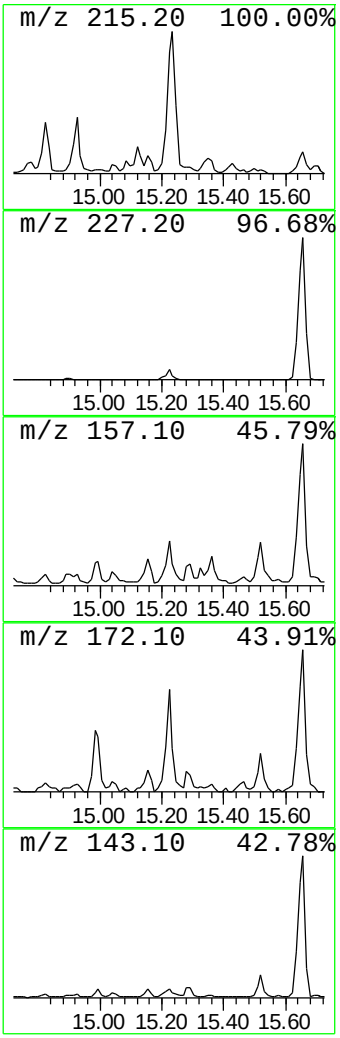
****

Peak Number 11 unknown15.22 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	39.16 ng	746044	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Imidazol-2-amine, 4,5-dihydro...	215	C13H17N3	001082-57-1	25
2	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	20
3	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	20
4	Indanidine	215	C11H13N5	085392-79-6	18
5	4-Hydroxy-3-nitrobiphenyl	215	C12H9NO3	000885-82-5	14





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Acq On : 21 Apr 2015 22:09
Operator : TP/IZ
Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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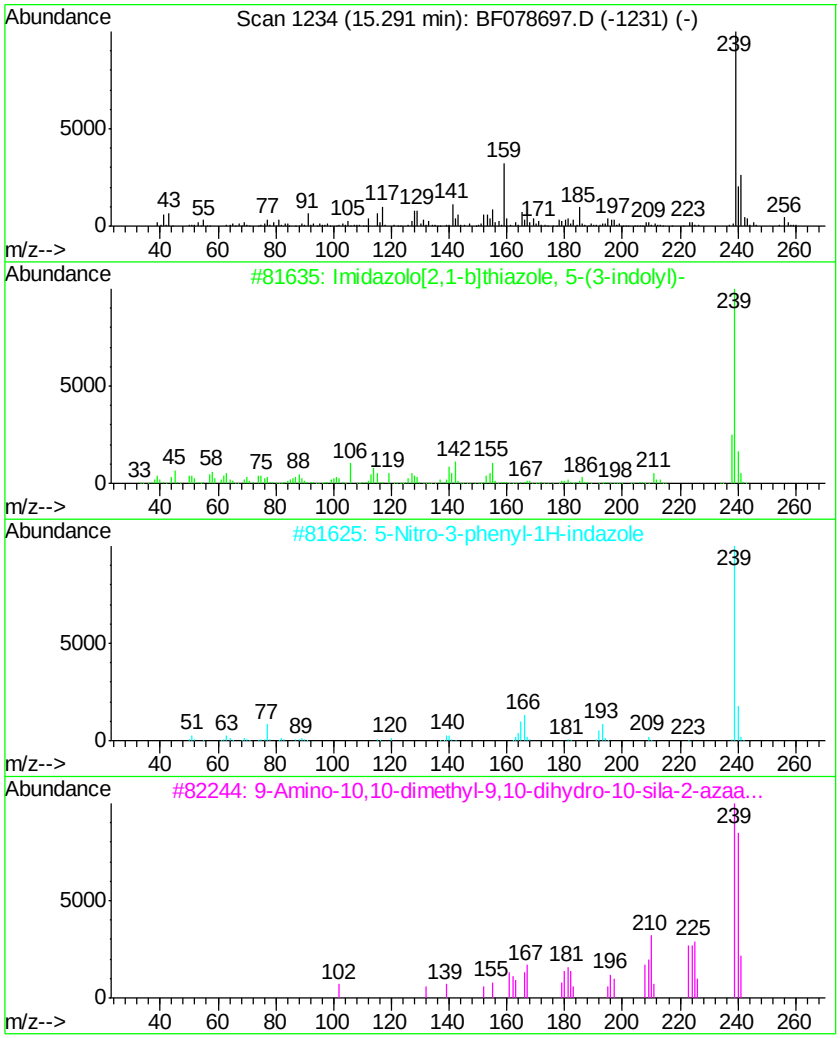
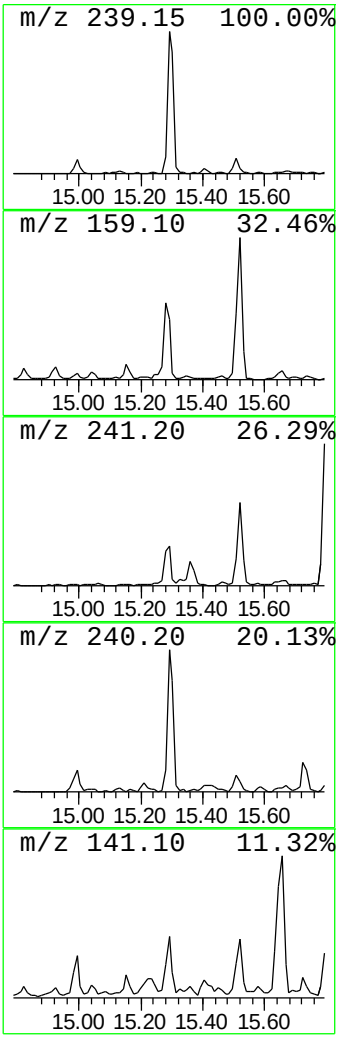
Peak Number 12 unknown15.29 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	72.48 ng	1380920	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazolo[2,1-b]thiazole, 5-(3-i...	239	C13H9N3S	327097-37-0	38
2	5-Nitro-3-phenyl-1H-indazole	239	C13H9N3O2	293758-67-5	38
3	9-Amino-10,10-dimethyl-9,10-dihy...	240	C14H16N2Si	092973-65-4	37
4	4-(4-Oxo-1,2,3,4,6,7,12,12b-octa...	326	C19H22N2O3	1000137-91-1	37
5	Benzaldehyde, 3-[4-(1,1-dimethyl...	254	C17H18O2	069770-23-6	28





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Data File : BF078697.D
Acq On : 21 Apr 2015 22:09
Operator : TP/IZ
Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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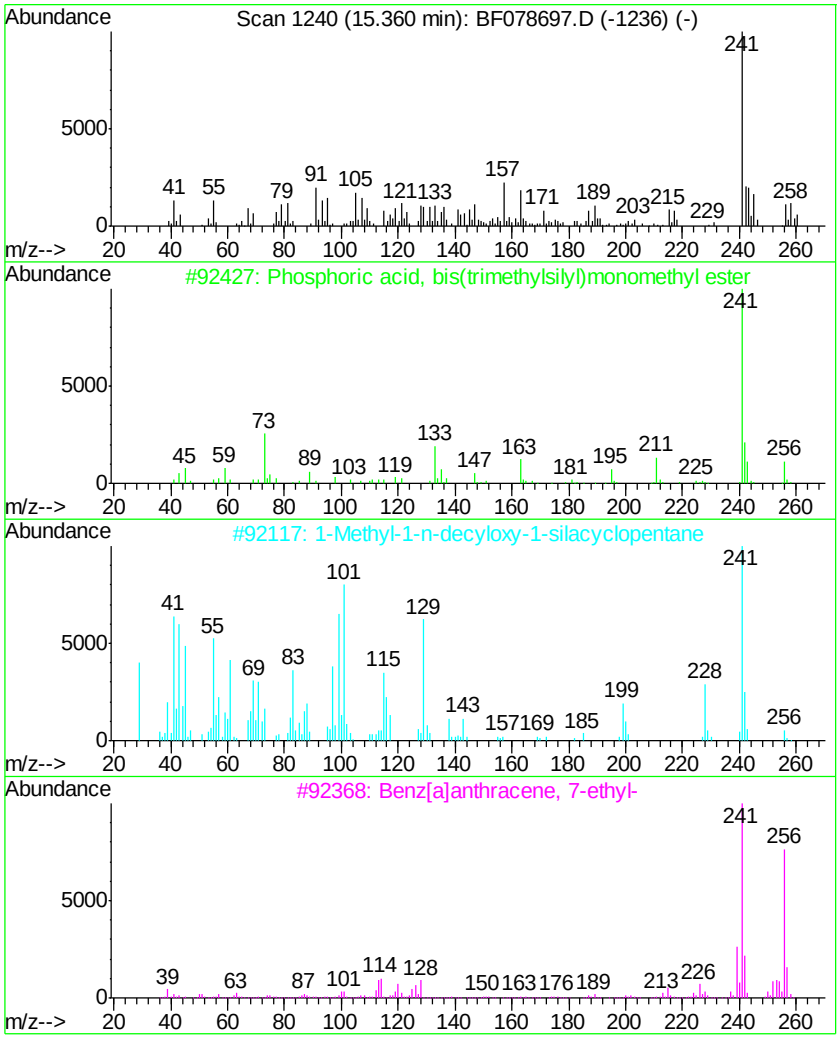
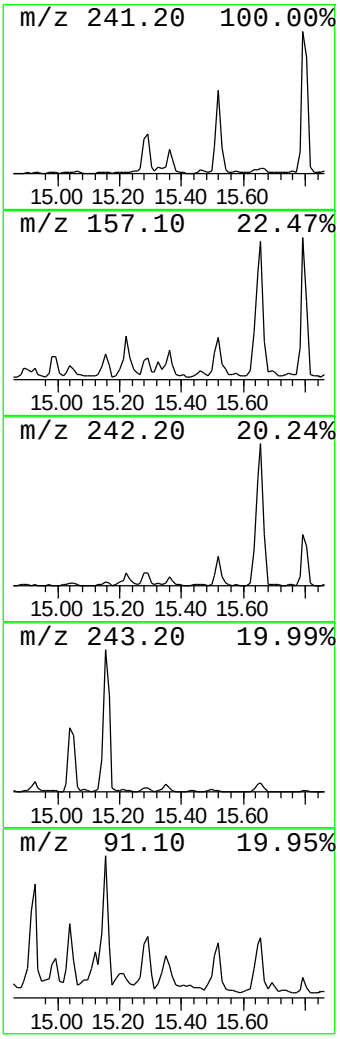
Peak Number 13 Phosphoric acid, bis(trimet... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	32.21 ng	613775	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, bis(trimethylsi...	256	C7H21O4PSi2	018291-81-1	50
2	1-Methyl-1-n-decyloxy-1-silacycl...	256	C15H32OSi	1000216-91-2	49
3	Benz[a]anthracene, 7-ethyl-	256	C20H16	003697-30-1	49
4	N-(p-Methoxybenzylidene)-p-anisi...	241	C15H15NO2	001749-08-2	43
5	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	43





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Acq On : 21 Apr 2015 22:09
Operator : TP/IZ
Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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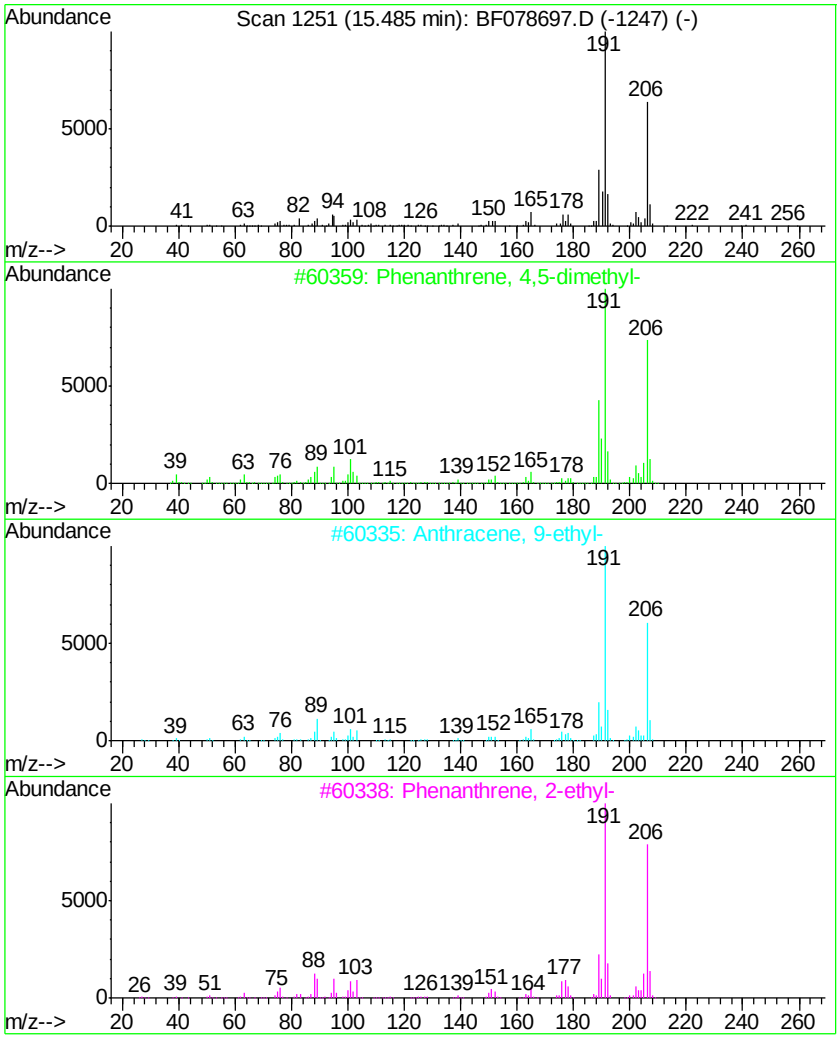
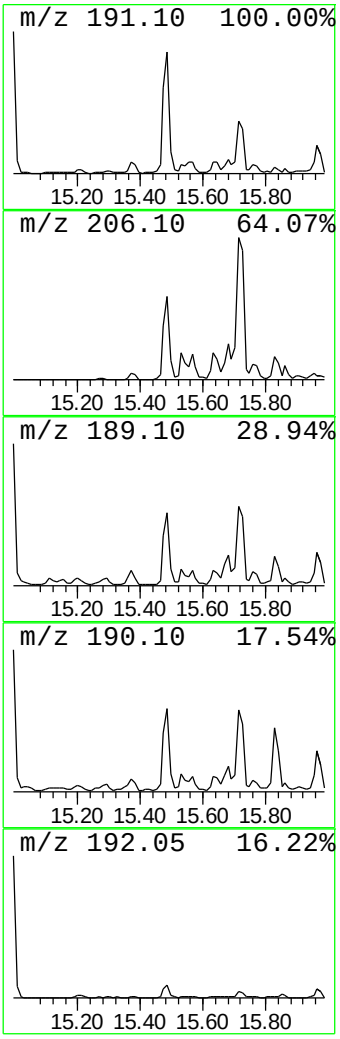
Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	33.03 ng	629248	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Anthracene, 9-ethyl-	206	C16H14	000605-83-4	91
3	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	91
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	87





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Acq On : 21 Apr 2015 22:09
Operator : TP/IZ
Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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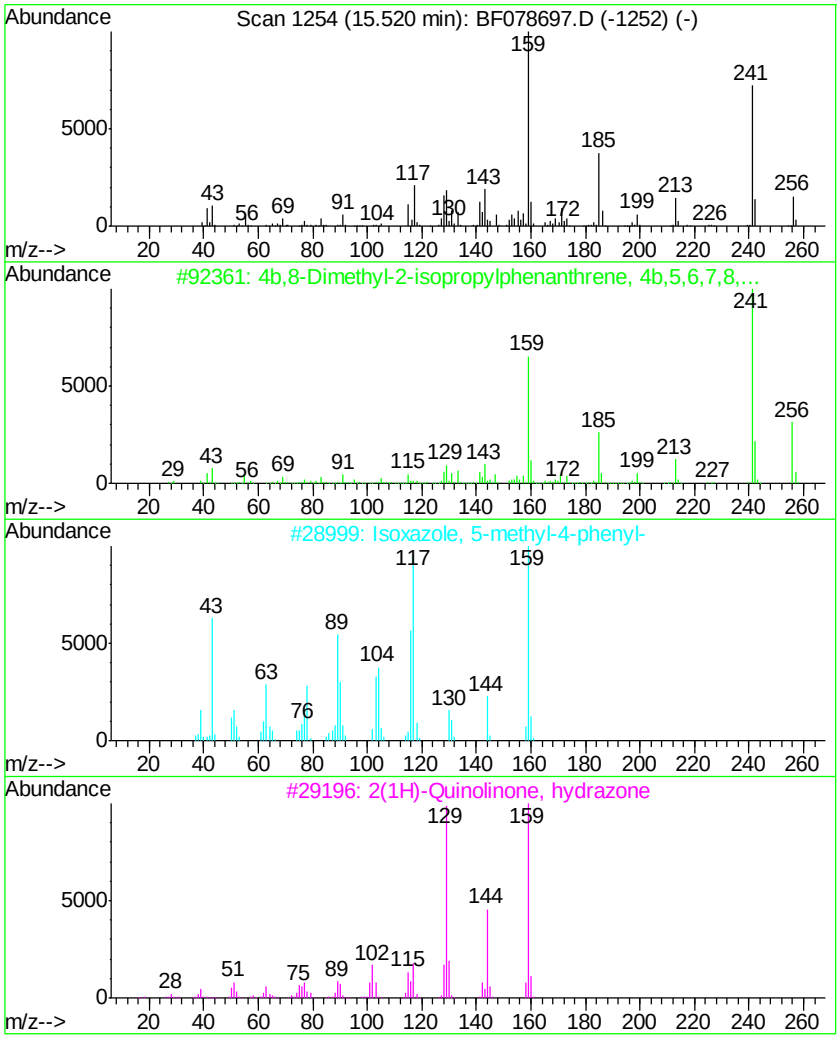
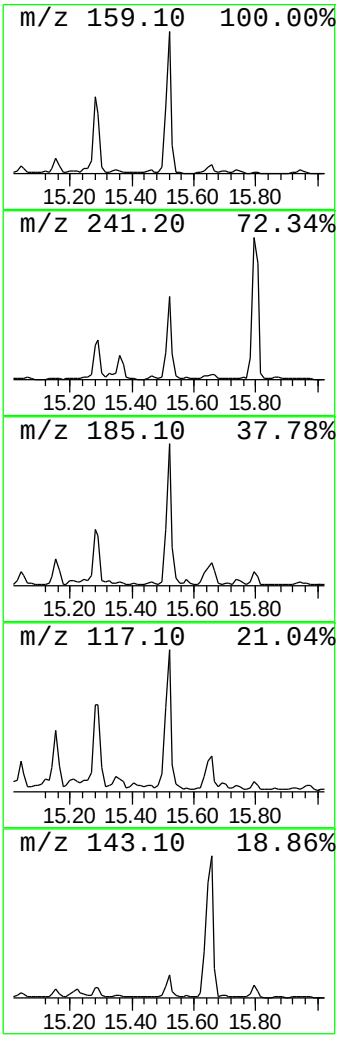
Peak Number 15 4b,8-Dimethyl-2-isopropylph... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	61.35 ng	1168900	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	95
2	Isoxazole, 5-methyl-4-phenyl-	159	C10H9NO	023253-49-8	43
3	2(1H)-Quinolinone, hydrazone	159	C9H9N3	015793-77-8	38
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	35
5	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	35





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Acq On : 21 Apr 2015 22:09
Operator : TP/IZ
Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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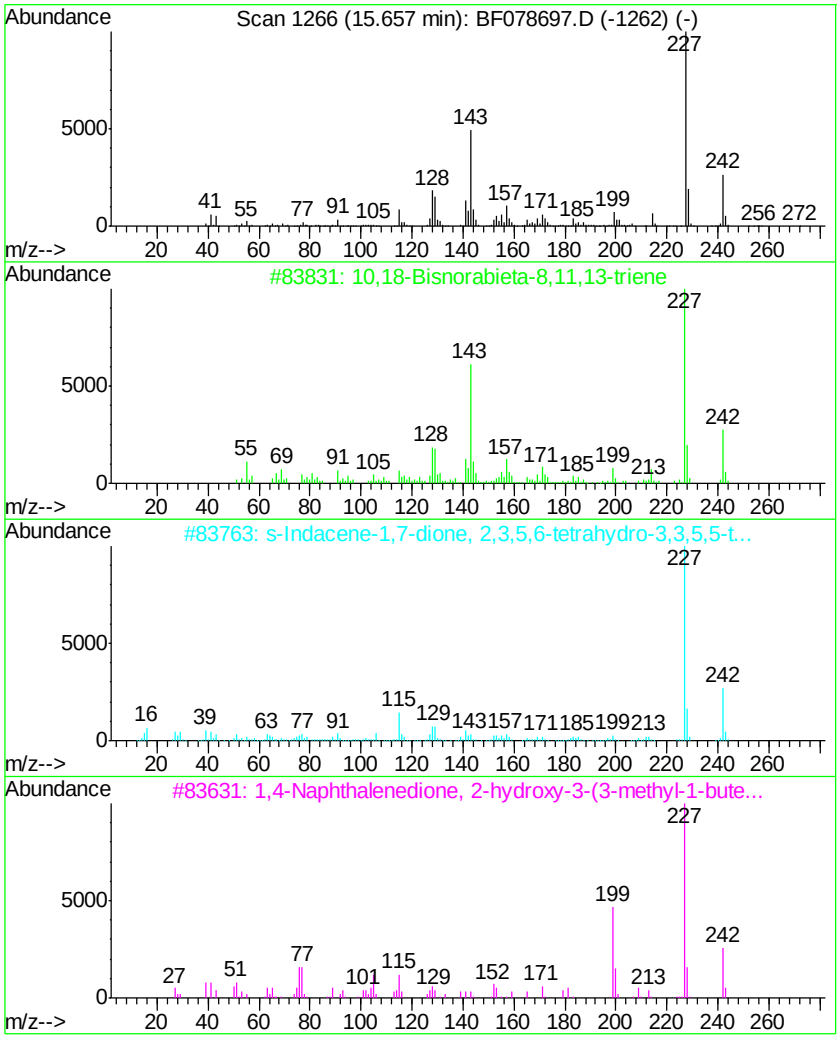
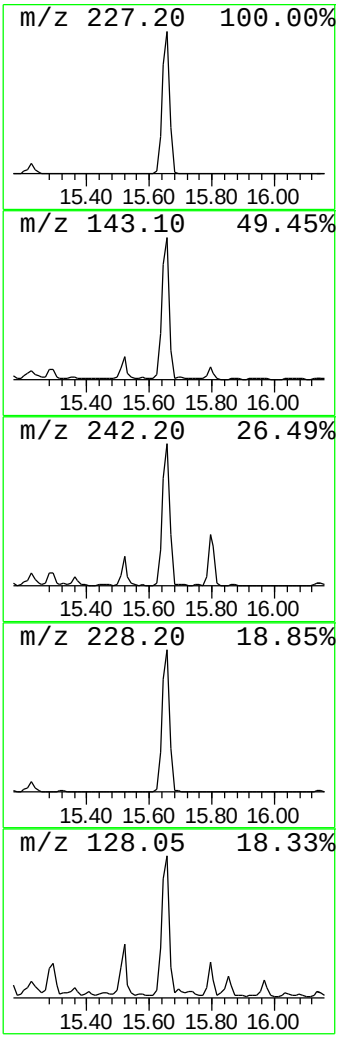
Peak Number 16 10,18-Bisnorabieta-8,11,13-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	148.01 ng	2819920	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	96
2	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	58
3	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	004042-39-1	49
4	5H-Indeno[2,1-E][1,2,4]triazin-5-o...	227	C10H9N7	1000271-75-1	49
5	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	000084-79-7	49





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Acq On : 21 Apr 2015 22:09
Operator : TP/IZ
Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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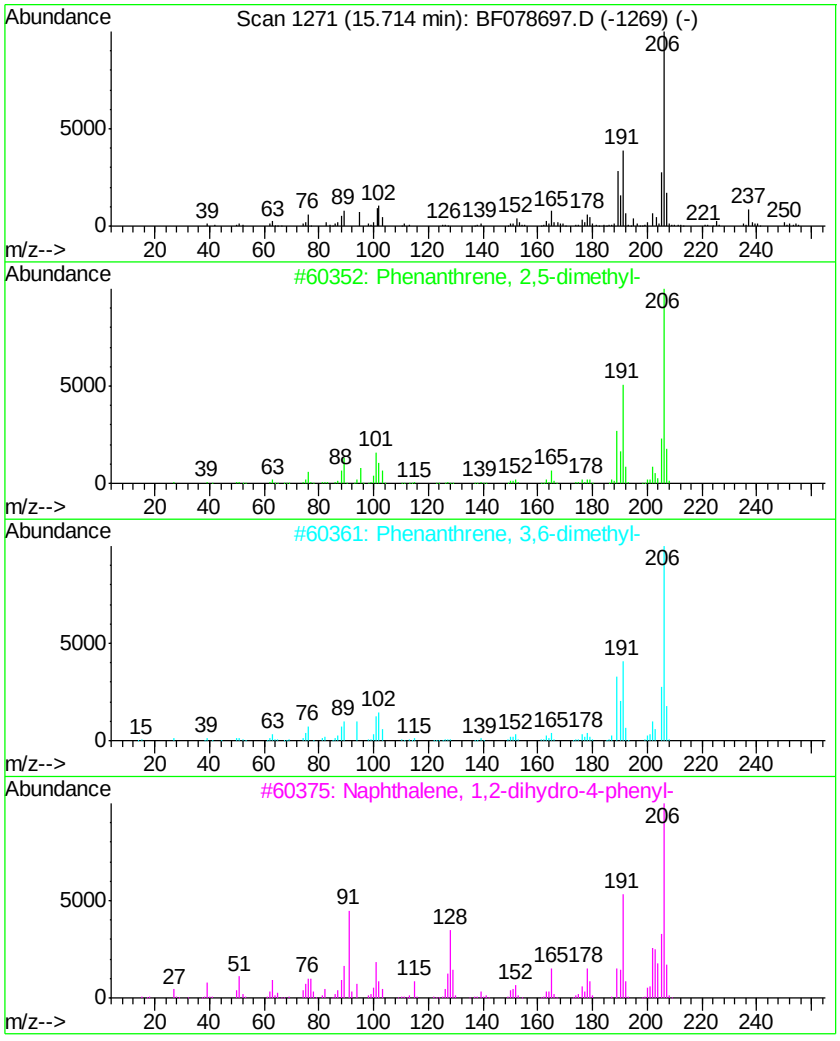
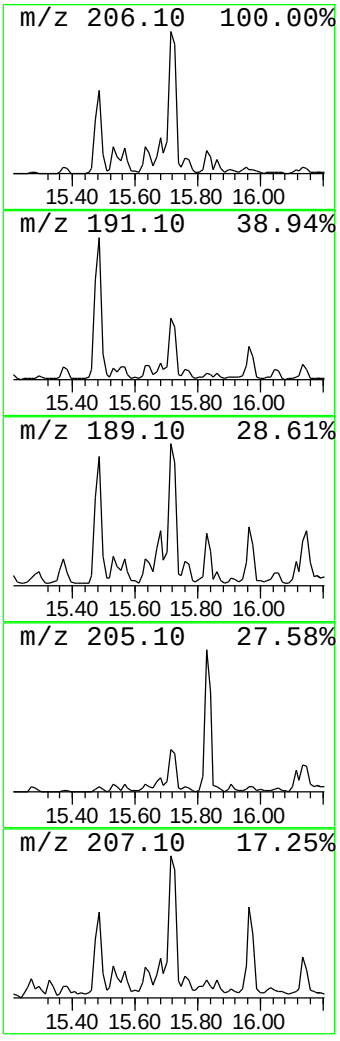
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	43.03 ng	819828	Phenanthrene-d10	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Sample : G1938-12
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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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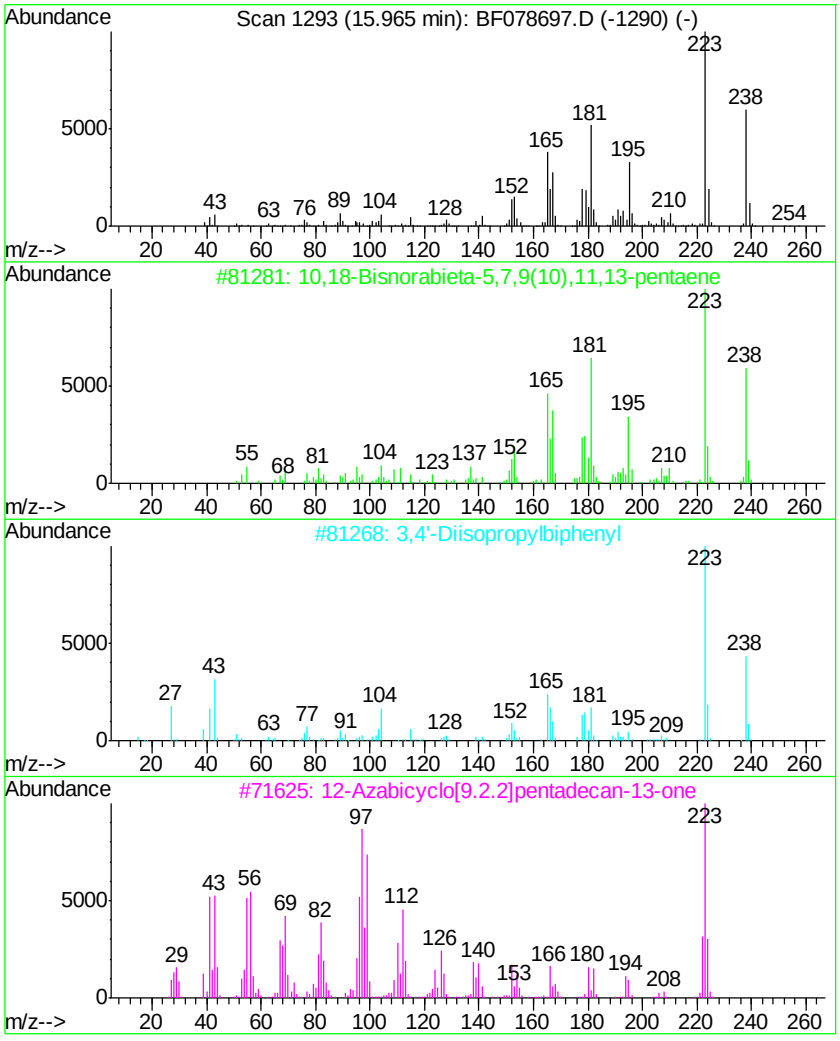
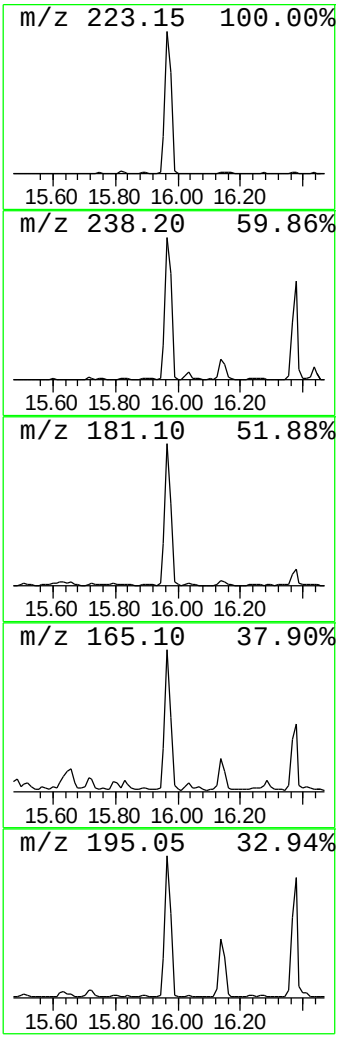
Peak Number 18 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	31.93 ng	1925600	Chrysene-d12	17.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	81
3	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	70
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	64
5	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	53





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Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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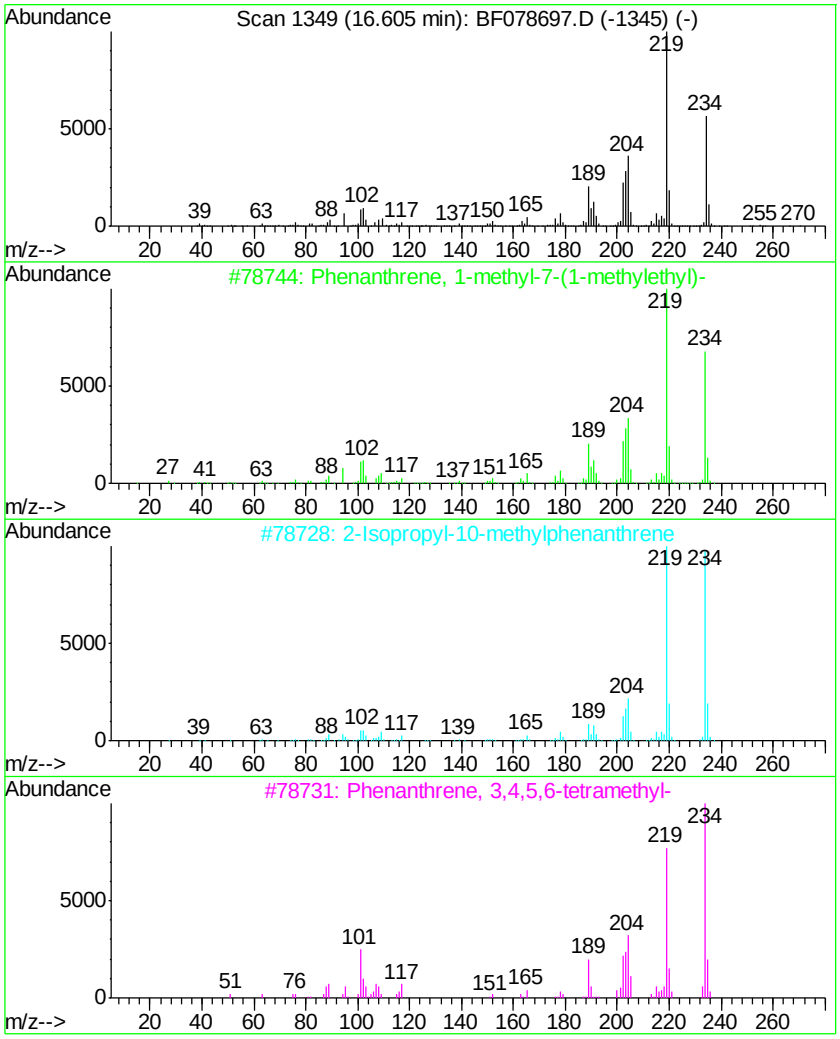
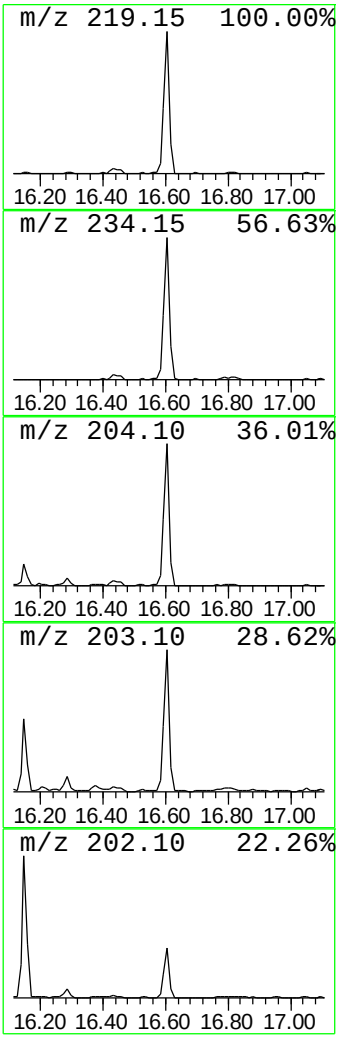
Peak Number 19 Phenanthrene, 1-methyl-7-(1... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	49.58 ng	2990060	Chrysene-d12	17.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	72
4	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	64
5	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	49





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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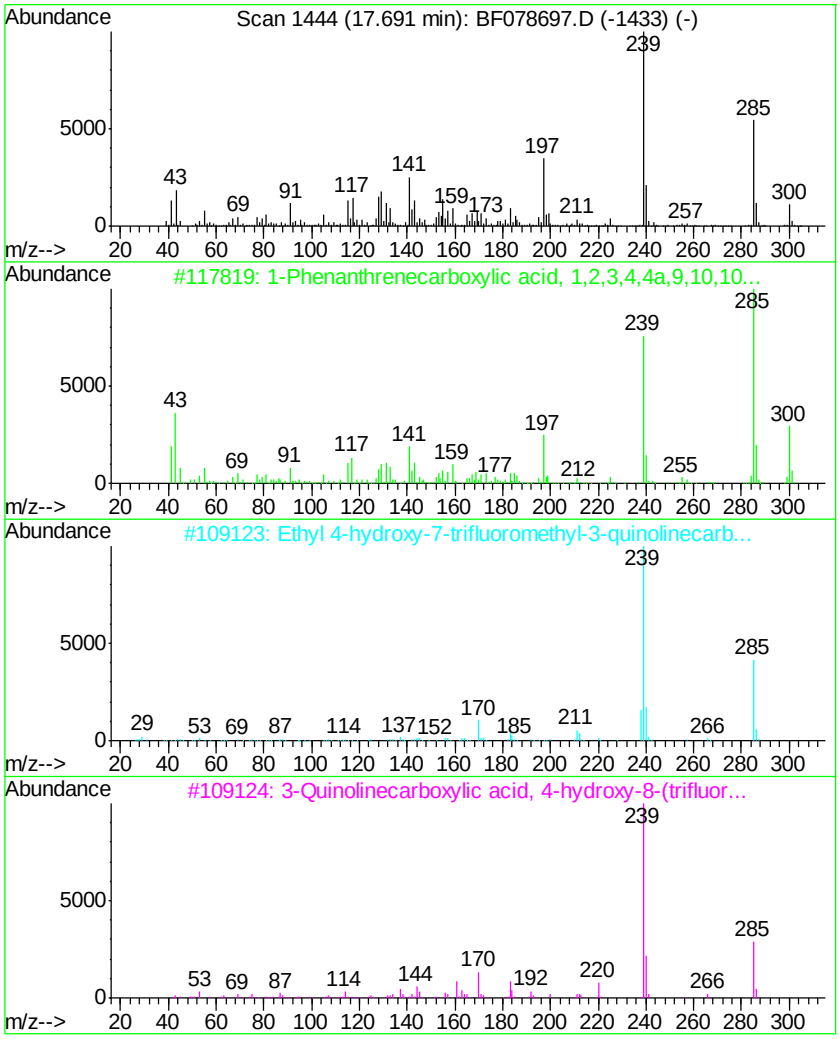
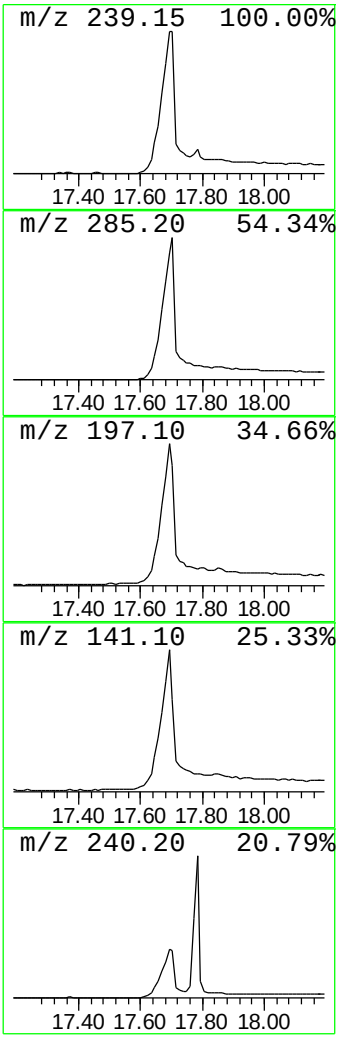
Peak Number 20 1-Phenanthrenecarboxylic ac... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	91.79 ng	5535210	Chrysene-d12	17.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	94
2	Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3NO3	000391-02-6	58
3	3-Quinolinecarboxylic acid, 4-hy...	285	C13H10F3NO3	023851-84-5	50
4	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	49
5	Kaura-9(11),16-dien-18-oic acid,...	300	C20H28O2	022338-67-6	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
Data File : BF078697.D
Acq On : 21 Apr 2015 22:09
Operator : TP/IZ
Sample : G1938-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-80D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
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Anthracene, 2-met...	14.82	76.6	ng	1458770	4	13.90	381053	20.0
unknown14.93	14.93	70.5	ng	1342800	4	13.90	381053	20.0
Phenanthrene, 1-m...	14.99	80.8	ng	1539450	4	13.90	381053	20.0
9-Amino-1-phenyl-...	15.04	34.0	ng	647292	4	13.90	381053	20.0
unknown15.12	15.12	23.2	ng	441460	4	13.90	381053	20.0
unknown15.22	15.22	39.2	ng	746044	4	13.90	381053	20.0
unknown15.29	15.29	72.5	ng	1380920	4	13.90	381053	20.0
Phosphoric acid, ...	15.36	32.2	ng	613775	4	13.90	381053	20.0
Phenanthrene, 4,5...	15.49	33.0	ng	629248	4	13.90	381053	20.0
4b,8-Dimethyl-2-i...	15.52	61.4	ng	1168900	4	13.90	381053	20.0
10,18-Bisnorabiet...	15.66	148.0	ng	2819920	4	13.90	381053	20.0
Phenanthrene, 2,5...	15.71	43.0	ng	819828	4	13.90	381053	20.0
10,18-Bisnorabiet...	15.97	31.9	ng	1925600	5	17.78	1206100	20.0
Phenanthrene, 1-m...	16.61	49.6	ng	2990060	5	17.78	1206100	20.0
1-Phenanthrenecar...	17.69	91.8	ng	5535210	5	17.78	1206100	20.0