LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078437.D
Acq On : 11 Apr 2015 11:47
Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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	1.024	10	12	14	rBV	293877	290519	6.82%	0.550%
2	1.127	18	21	24	rVB	82375	117752	2.76%	0.223%
3	1.618	62	64	81	rVB	161187	269059	6.31%	0.509%
4	5.116	367	370	378	rBV	570610	676277	15.87%	1.281%
5	6.465	485	488	490	rBV	494414	706638	16.58%	1.338%
6	6.567	495	497	500	rBV	540190	745476	17.49%	1.412%
7	6.865	520	523	525	rBV	176216	226590	5.32%	0.429%
8	7.048	536	539	541	rBV	514236	537744	12.62%	1.018%
9	7.562	581	584	586	rBV	492750	446843	10.48%	0.846%
10	8.442	659	661	662	rBV	314624	385909	9.05%	0.731%
11	8.465	662	663	665	rVB	480162	358434	8.41%	0.679%
12	9.322	736	738	740	rBV	130752	114583	2.69%	0.217%
13	9.436	746	748	751	rVB	123895	111526	2.62%	0.211%
14	9.779	776	778	781	rVB	764737	863679	20.26%	1.635%
15	10.591	847	849	851	rBV	367623	438340	10.28%	0.830%
16	10.636	851	853	855	rVV	802988	754613	17.70%	1.429%
17	10.854	869	872	874	rBV	285268	360440	8.46%	0.682%
18	11.265	906	908	911	rVB	339870	479763	11.25%	0.908%
19	11.345	911	915	917	rBV2	46200	118251	2.77%	0.224%
20	11.471	924	926	927	rBV	118688	110929	2.60%	0.210%
21	11.574	932	935	938	rVV	638872	781462	18.33%	1.480%
22	11.951	966	968	970	rVV	81807	124949	2.93%	0.237%
23	12.122	981	983	986	rVV3	49529	110417	2.59%	0.209%
24	12.259	992	995	996	rBV	80978	117366	2.75%	0.222%
25	12.294	996	998	1000	rVB	249485	269640	6.33%	0.511%
26	12.454	1007	1012	1014	rBV2	2514658	3406707	79.92%	6.451%
27	12.511	1014	1017	1020	rVV	506895	591299	13.87%	1.120%
28	12.728	1034	1036	1038	rVV	261960	262522	6.16%	0.497%
29	12.808	1041	1043	1044	rVV	116340	119176	2.80%	0.226%
30	13.048	1061	1064	1065	rVV	318941	309163	7.25%	0.585%
31	13.082	1065	1067	1070	rVB	348500	379415	8.90%	0.718%
32	13.140	1070	1072	1073	rBV	163926	163433	3.83%	0.309%
33	13.174	1073	1075	1082	rVB2	601225	896984	21.04%	1.698%
34	13.425	1095	1097	1101	rVB	252997	294590	6.91%	0.558%

LSC Area Percent Report

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Acq On : 11 Apr 2015 11:47
Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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	13.734	1121	1124	1125	rBV	108911	175453	4.12%	0.332%
36	13.768	1125	1127	1131	rVB3	90972	139471	3.27%	0.264%
37	13.837	1131	1133	1137	rVB4	62635	145595	3.42%	0.276%
38	13.928	1137	1141	1143	rBV	2971164	3853083	90.39%	7.296%
39	14.031	1149	1150	1153	rVB2	80743	101320	2.38%	0.192%
40	14.100	1153	1156	1157	rBV	165396	235632	5.53%	0.446%
41	14.203	1161	1165	1167	rBV2	2940135	4262677	100.00%	8.071%
42	14.260	1169	1170	1172	rVB2	137538	142463	3.34%	0.270%
43	14.351	1176	1178	1180	rBV	172891	202535	4.75%	0.384%
44	14.408	1180	1183	1186	rVB2	759865	1154373	27.08%	2.186%
45	14.477	1186	1189	1191	rVB2	140668	236503	5.55%	0.448%
46	14.511	1191	1192	1196	rVB2	80682	117960	2.77%	0.223%
47	14.614	1196	1201	1203	rVB	444298	814830	19.12%	1.543%
48	14.694	1205	1208	1210	rBV	492797	513062	12.04%	0.971%
49	14.740	1210	1212	1213	rVV2	258826	345797	8.11%	0.655%
50	14.763	1213	1214	1217	rVB	96356	123488	2.90%	0.234%
51	14.820	1217	1219	1220	rBV2	70641	109731	2.57%	0.208%
52	14.843	1220	1221	1223	rVV	171322	159146	3.73%	0.301%
53	14.888	1223	1225	1228	rVB	91681	135693	3.18%	0.257%
54	15.060	1238	1240	1242	rBV	110847	143577	3.37%	0.272%
55	15.117	1242	1245	1246	rVV3	62612	125230	2.94%	0.237%
56	15.140	1246	1247	1250	rVV	116198	148732	3.49%	0.282%
57	15.220	1250	1254	1259	rVB4	86227	271560	6.37%	0.514%
58	15.368	1264	1267	1269	rBV	286245	355281	8.33%	0.673%
59	15.426	1269	1272	1273	rVV2	248679	528708	12.40%	1.001%
60	15.460	1273	1275	1277	rVB2	172780	235368	5.52%	0.446%
61	15.597	1281	1287	1290	rBV2	95117	349250	8.19%	0.661%
62	15.677	1290	1294	1296	rVV2	1539797	2822912	66.22%	5.345%
63	15.723	1296	1298	1299	rVV	1332019	1515821	35.56%	2.870%
64	15.746	1299	1300	1303	rVB2	101352	139491	3.27%	0.264%
65	15.803	1303	1305	1307	rBV	308853	458163	10.75%	0.868%
66	15.940	1314	1317	1319	rVB	220075	277770	6.52%	0.526%
67	15.986	1319	1321	1327	rVB2	179281	358714	8.42%	0.679%
68	16.123	1327	1333	1335	rBV3	104642	313060	7.34%	0.593%
69	16.168	1335	1337	1339	rVV	260133	361793	8.49%	0.685%
70	16.214	1339	1341	1343	rVV2	91714	120649	2.83%	0.228%
71	16.283	1343	1347	1349	rVV3	166740	320354	7.52%	0.607%

LSC Area Percent Report

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Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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

72	16.340	1349	1352	1354	rVV2	194497	342089	8.03%	0.648%
73	16.386	1354	1356	1358	rVV3	70820	113907	2.67%	0.216%
74	16.431	1358	1360	1363	rVB	96454	138405	3.25%	0.262%
75	16.546	1368	1370	1373	rBV2	74761	181036	4.25%	0.343%
76	16.763	1386	1389	1391	rVV	77329	115626	2.71%	0.219%
77	16.934	1401	1404	1409	rBV	1289508	2958438	69.40%	5.602%
78	17.037	1409	1413	1415	rVB2	290190	455042	10.68%	0.862%
79	17.163	1420	1424	1425	rVV2	93010	186990	4.39%	0.354%
80	17.231	1427	1430	1433	rVV	827533	1278279	29.99%	2.420%
81	17.300	1433	1436	1438	rVV	1476367	1773952	41.62%	3.359%
82	17.357	1438	1441	1442	rVV	349742	570129	13.37%	1.080%
83	17.380	1442	1443	1447	rVB	427975	458553	10.76%	0.868%
84	17.551	1452	1458	1462	rBV3	125826	506089	11.87%	0.958%
85	17.643	1462	1466	1467	rBV2	78899	183171	4.30%	0.347%
86	17.677	1467	1469	1472	rVV3	60546	131141	3.08%	0.248%
87	17.826	1480	1482	1485	rVB	110452	164067	3.85%	0.311%
88	17.951	1491	1493	1496	rVB	68264	106791	2.51%	0.202%
89	18.443	1532	1536	1539	rBV3	168984	358031	8.40%	0.678%
90	18.580	1543	1548	1552	rVV2	602263	1290813	30.28%	2.444%
91	18.649	1552	1554	1558	rVB	53851	109717	2.57%	0.208%
92	18.729	1558	1561	1563	rBV	150247	276867	6.50%	0.524%
93	18.774	1563	1565	1573	rVV2	157306	457227	10.73%	0.866%
94	18.934	1575	1579	1587	rVV	521705	1211187	28.41%	2.293%
95	19.072	1587	1591	1593	rVV4	65107	222551	5.22%	0.421%
96	19.129	1593	1596	1603	rVB	230555	524068	12.29%	0.992%
97	19.540	1630	1632	1639	rVB2	39817	104016	2.44%	0.197%
98	19.883	1657	1662	1667	rVB2	36145	130630	3.06%	0.247%
99	20.729	1731	1736	1742	rVB	128585	421463	9.89%	0.798%
100	20.877	1744	1749	1752	rBV	87923	285724	6.70%	0.541%

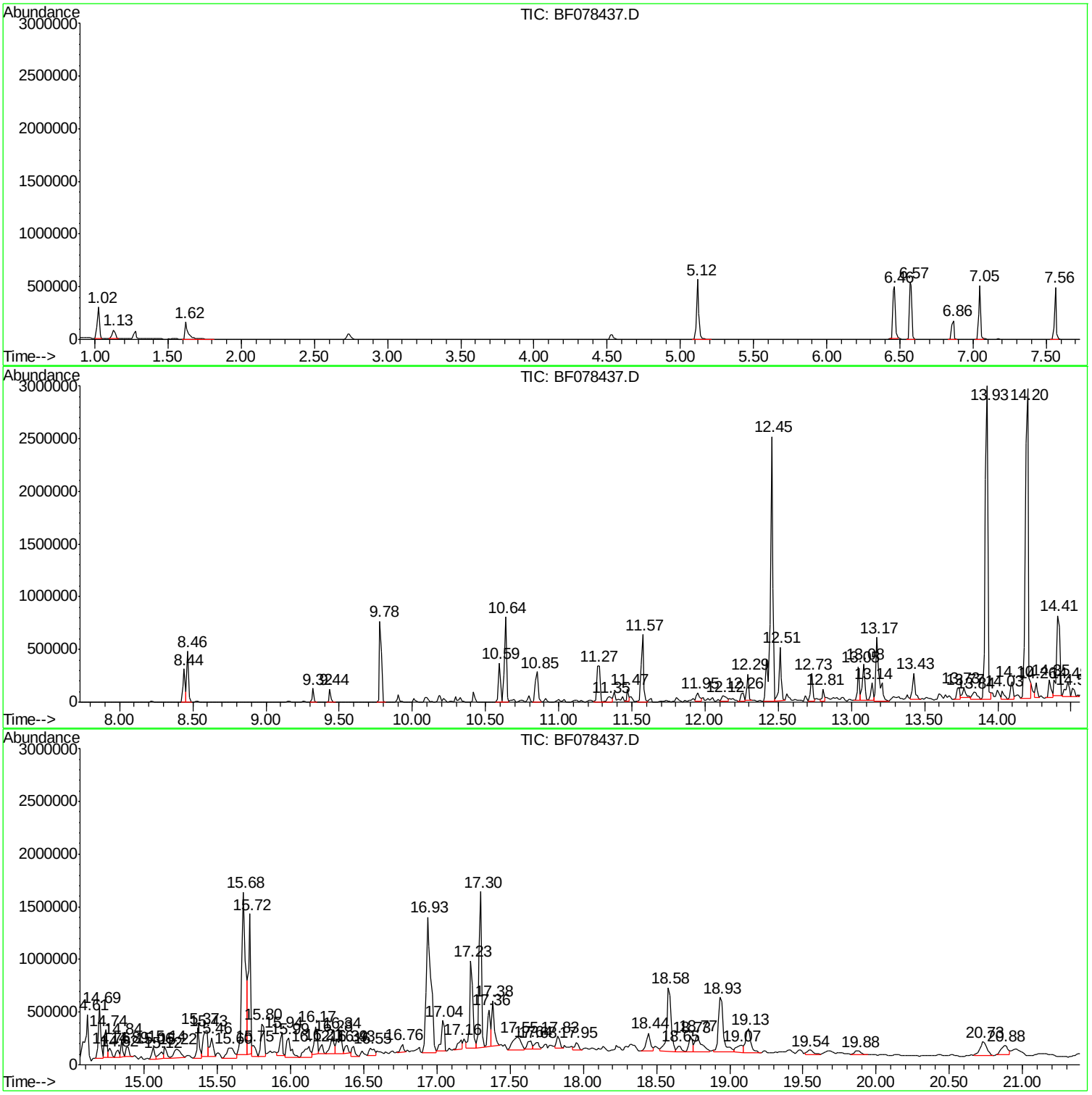
Sum of corrected areas: 52811732

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078437.D
Acq On : 11 Apr 2015 11:47
Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-8D

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

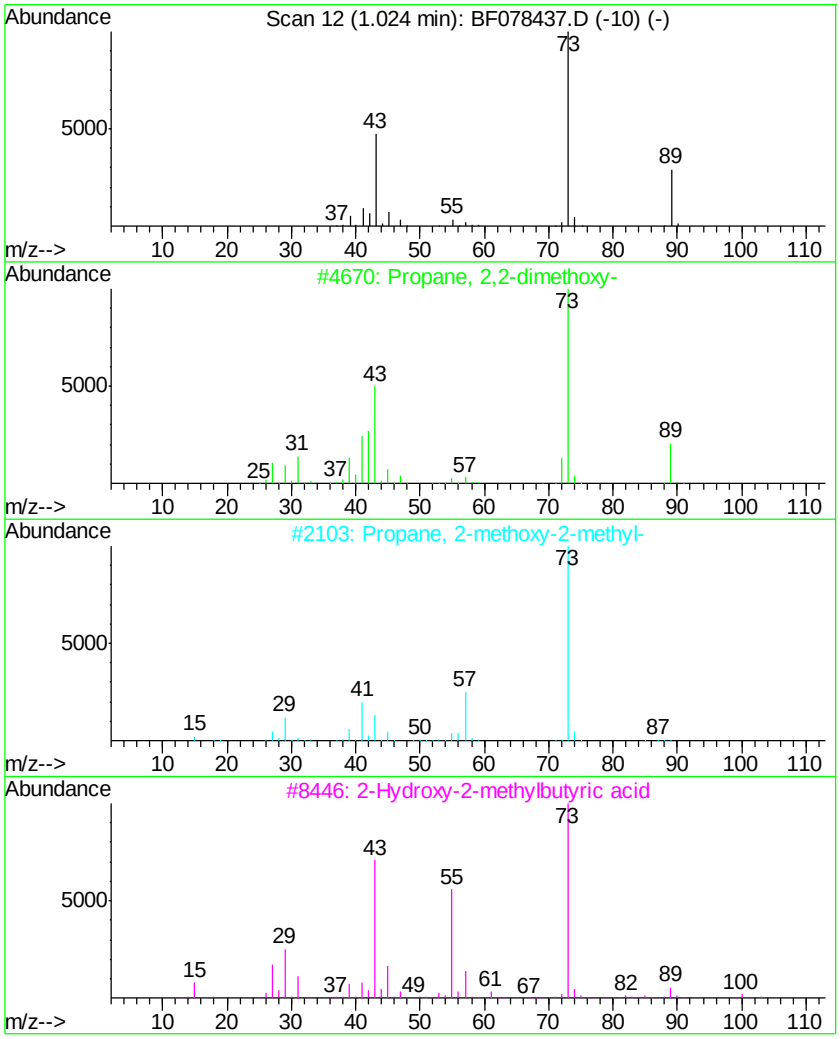
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

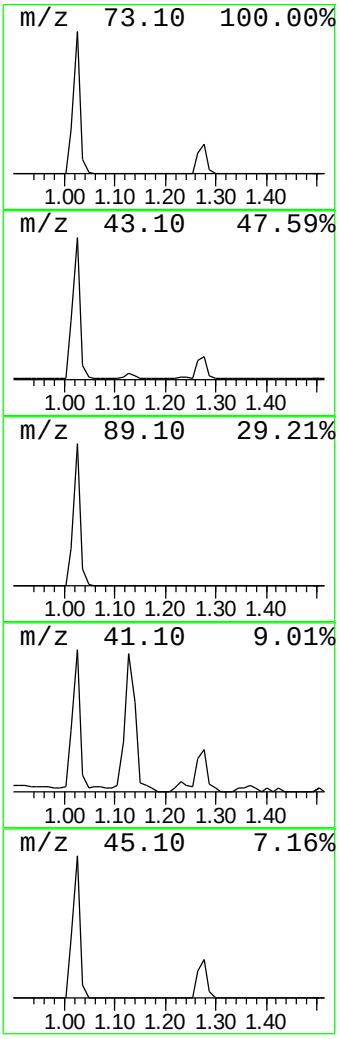
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.02	25.64 ng	290519	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56
2	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
3	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	5
5	1,3,5-Trioxane	90	C3H6O3	000110-88-3	4





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Data File : BF078437.D
Acq On : 11 Apr 2015 11:47
Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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

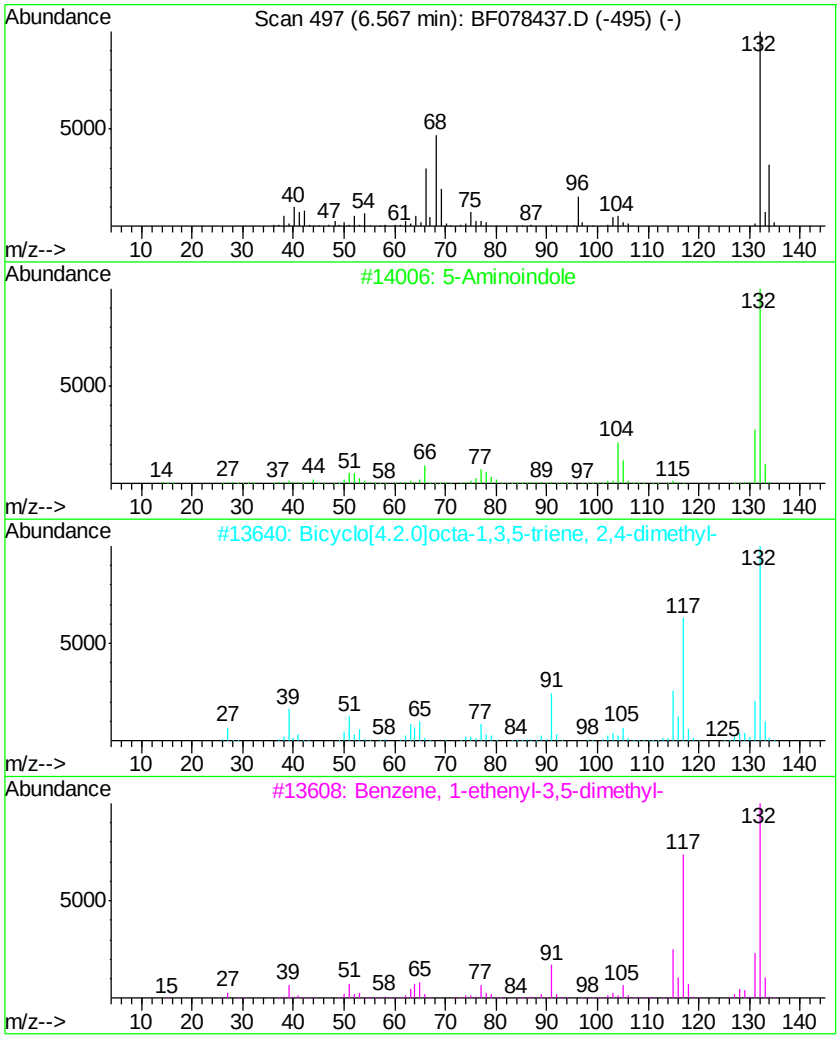
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

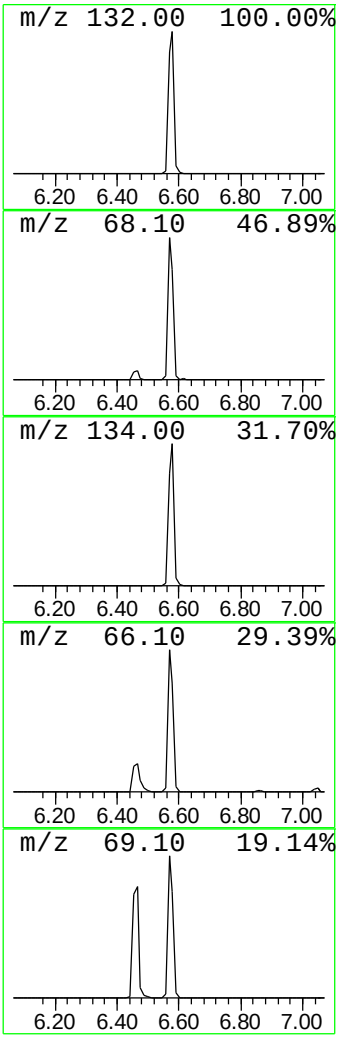
****

Peak Number 4 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	65.80 ng	745476	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	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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ALS Vial : 35 Sample Multiplier: 1

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ClientSampleId : SB-8D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
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TIC Library : C:\DATABASE\NIST02.L
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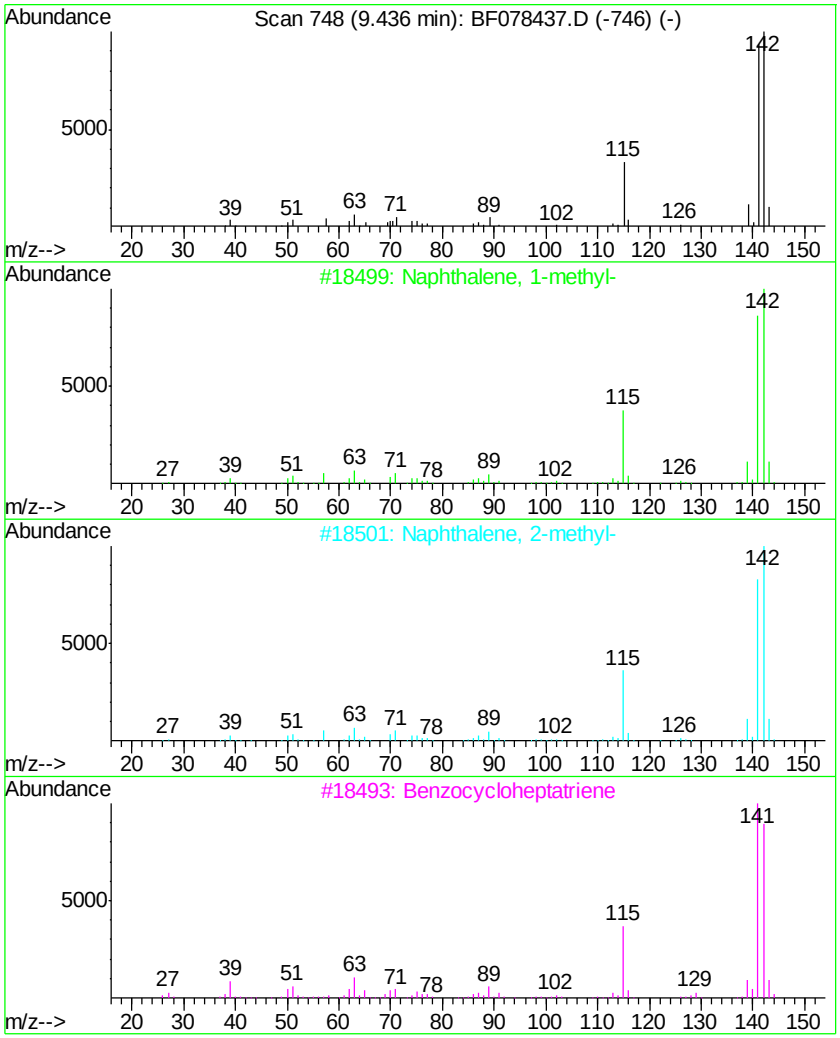
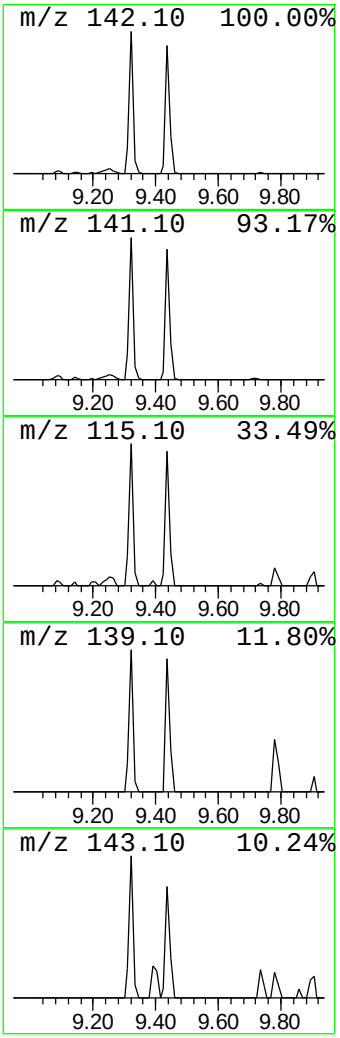
****

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	5.78 ng	111526	Naphthalene-d8	8.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	49





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Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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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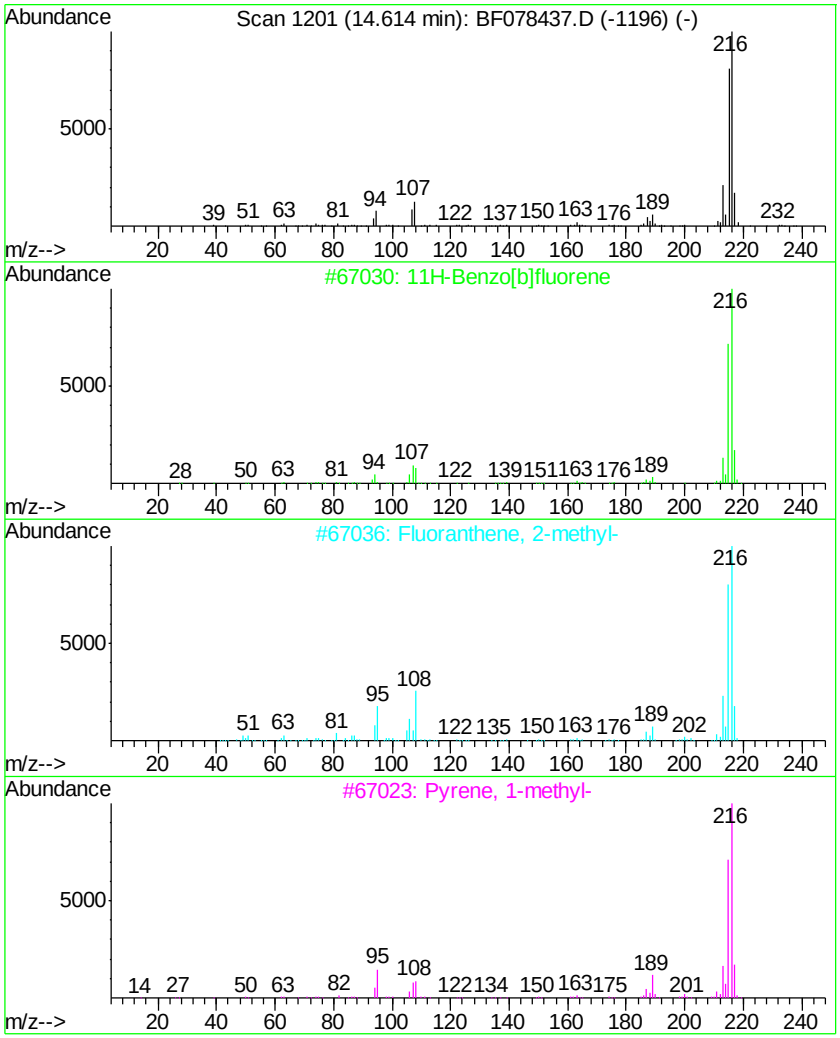
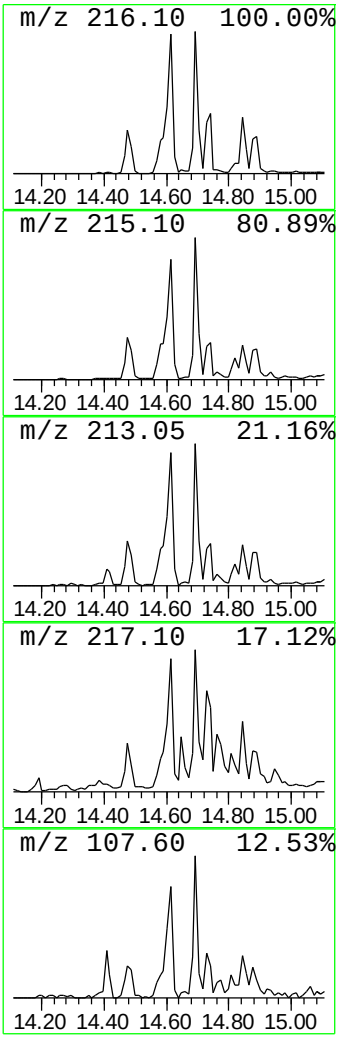
Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	5.77 ng	814830	Chrysene-d12	15.69

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	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078437.D
Acq On : 11 Apr 2015 11:47
Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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

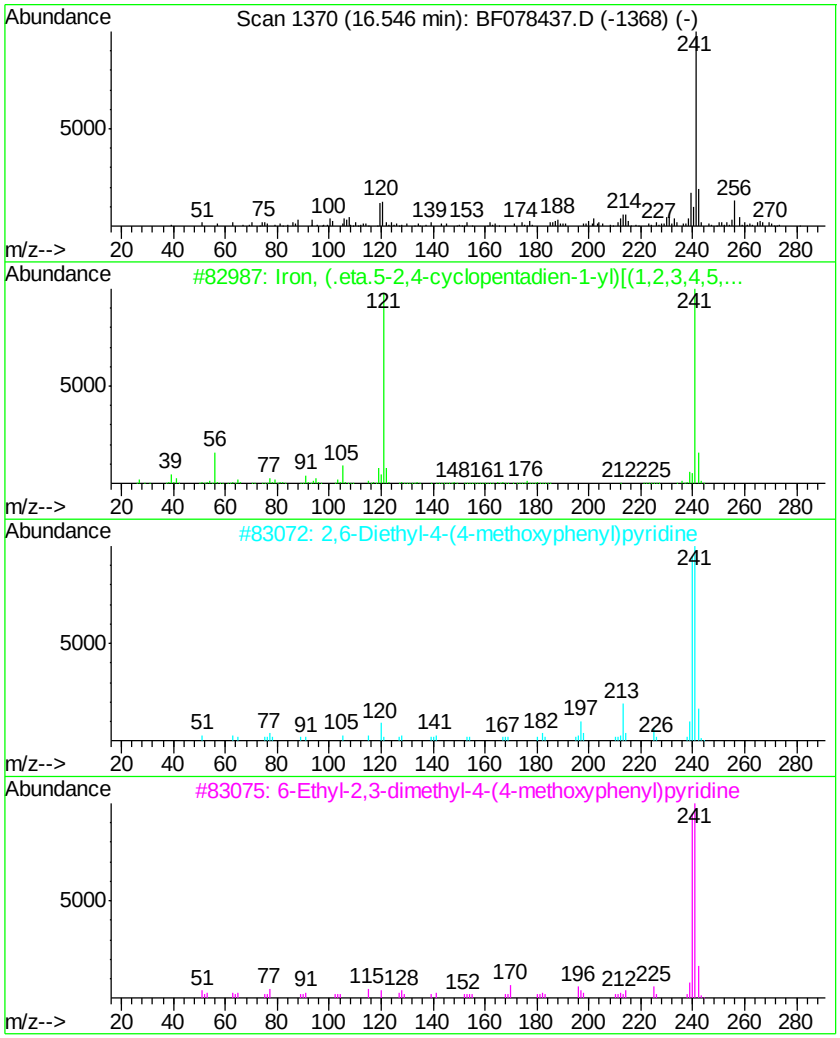
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

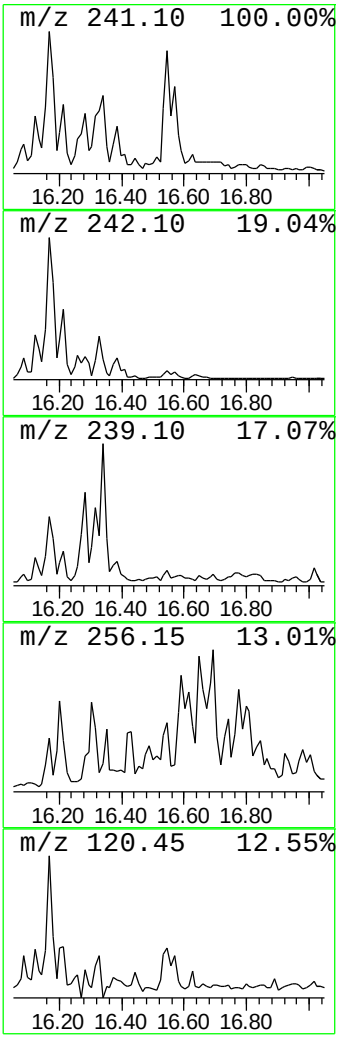
****

Peak Number 8 Iron, (.eta.5-2,4-cyclopent... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	6.35 ng	181036	Perylene-d12	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Iron, (.eta.5-2,4-cyclopentadien...	241	C14H17Fe	051812-08-9	64
2	2,6-Diethyl-4-(4-methoxyphenyl)p...	241	C16H19NO	073669-46-2	64
3	6-Ethyl-2,3-dimethyl-4-(4-methox...	241	C16H19NO	073669-45-1	64
4	N-(p-Methoxybenzylidene)-p-anisi...	241	C15H15NO2	001749-08-2	58
5	Phosphoric acid, bis(trimethylsi...	256	C7H21O4PSi2	018291-81-1	53





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Data File : BF078437.D
Acq On : 11 Apr 2015 11:47
Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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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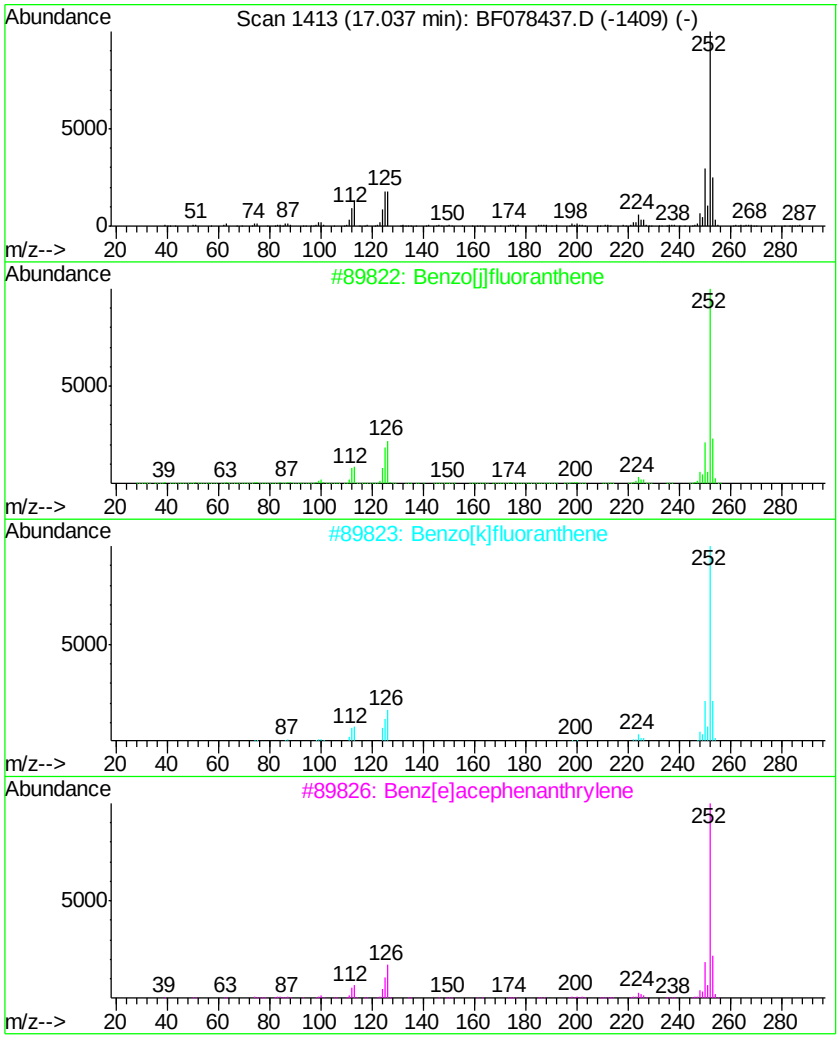
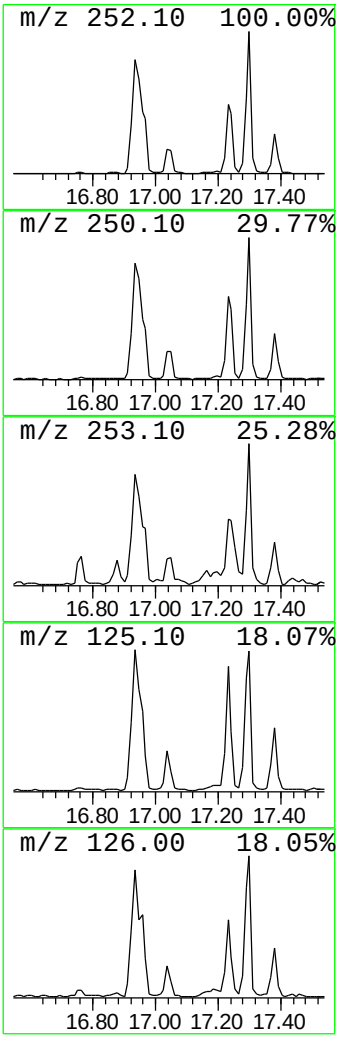
Peak Number 9 Benzo[j]fluoranthene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	15.96 ng	455042	Perylene-d12	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
4	Benzo[e]pyrene	252	C20H12	000192-97-2	98
5	Perylene	252	C20H12	000198-55-0	96





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Acq On : 11 Apr 2015 11:47
Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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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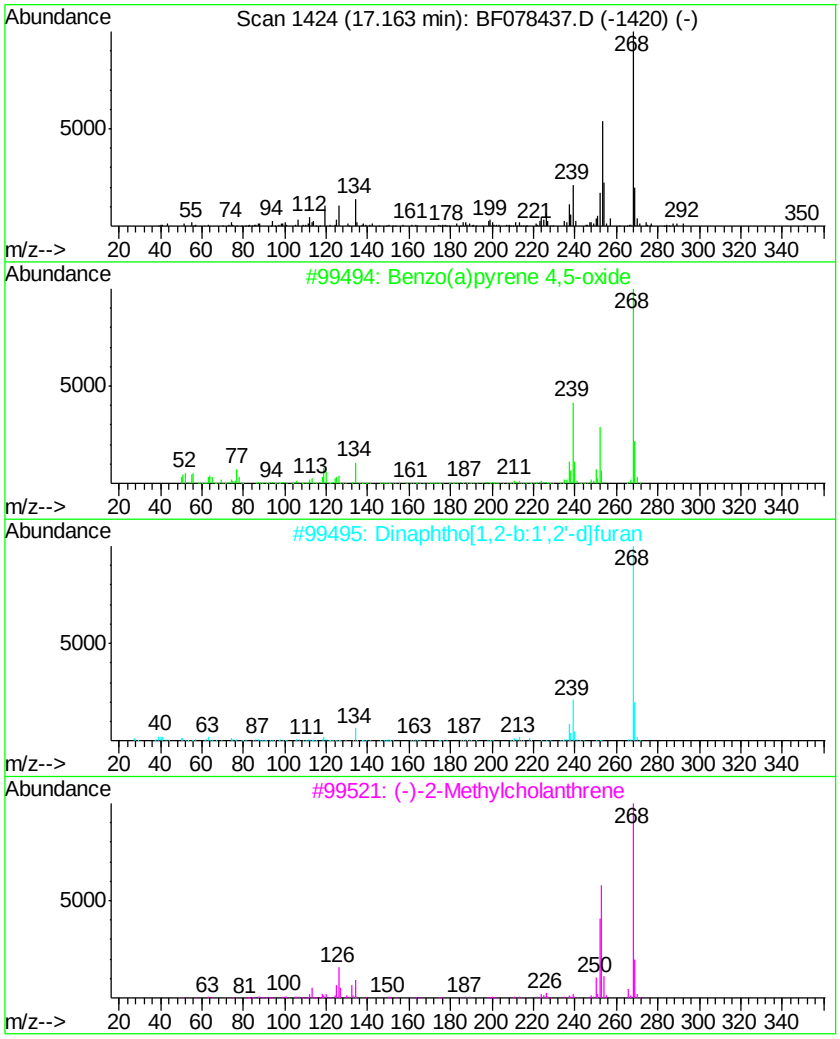
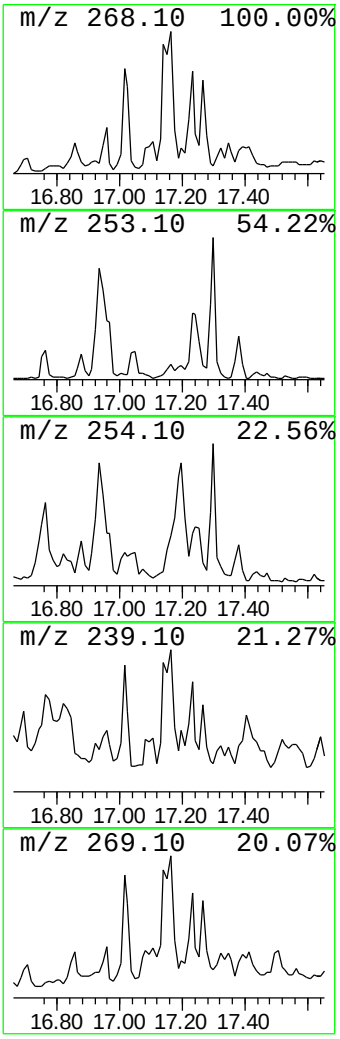
Peak Number 10 Benzo(a)pyrene 4,5-oxide Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	6.56 ng	186990	Perylene-d12	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	70
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	60
3	(-)-2-Methylcholanthrene	268	C21H16	1000126-56-2	58
4	1,2,3,4-Tetrahydro-1,4-ethanoant...	268	C18H20O2	177205-54-8	53
5	Naphthalene, 1,1'-methylenebis-	268	C21H16	000607-50-1	49





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Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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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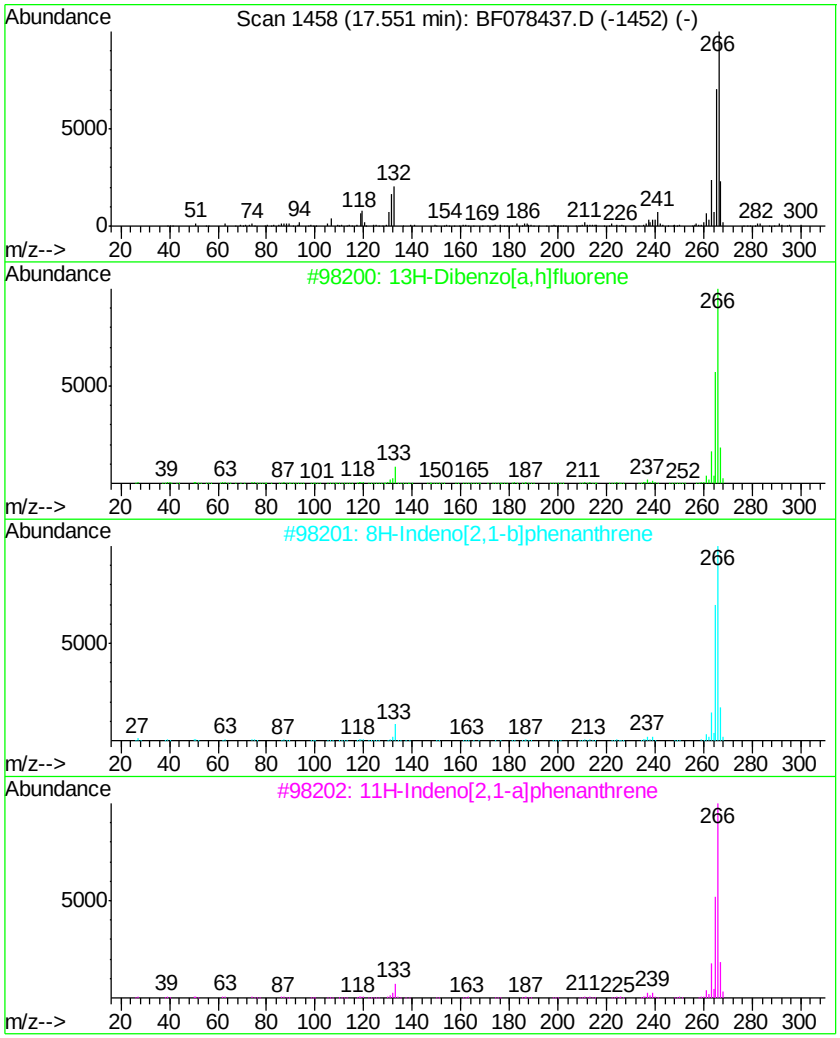
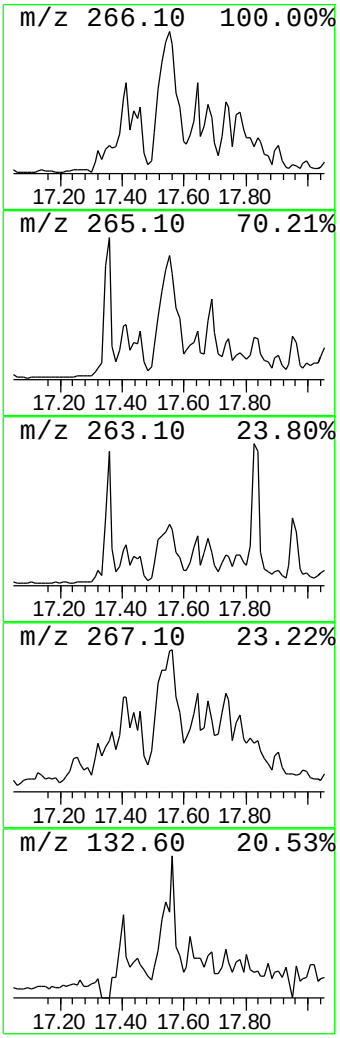
Peak Number 12 13H-Dibenzo[a,h]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	17.75 ng	506089	Perylene-d12	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	93
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	87
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	81
4	(1H)Phenanthro[9,10-d]pyrazole, ...	294	C21H14N2	037944-54-0	56
5	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	53





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Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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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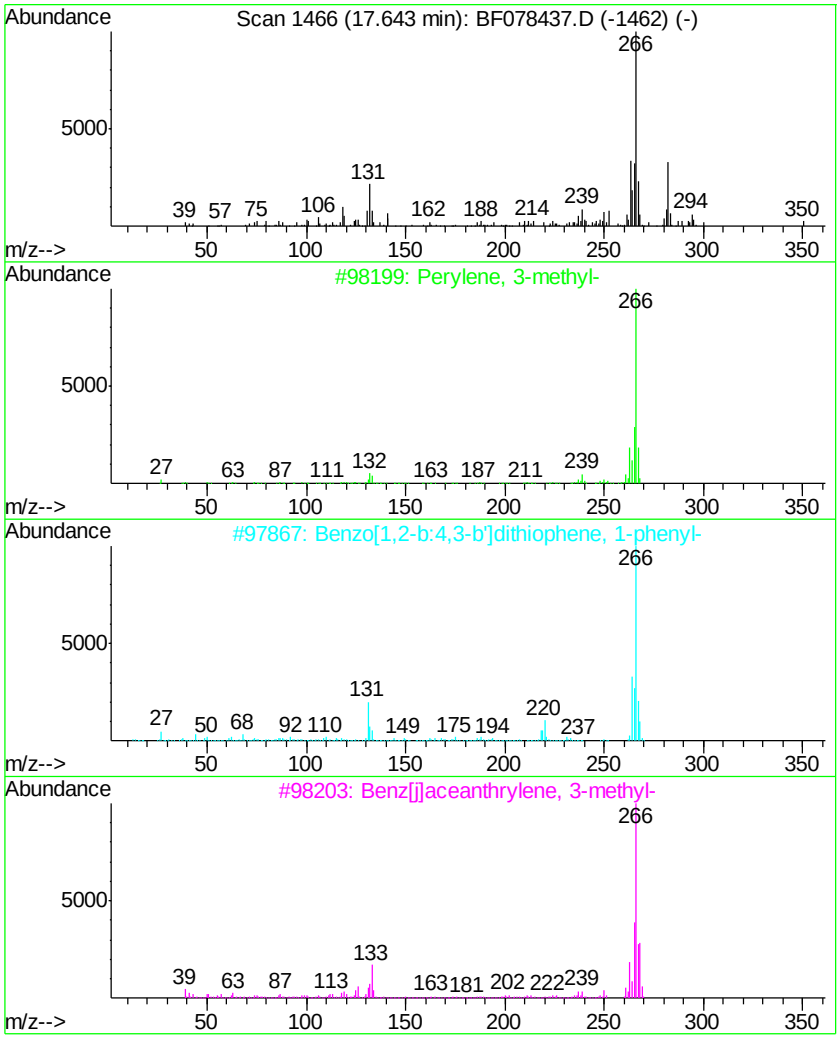
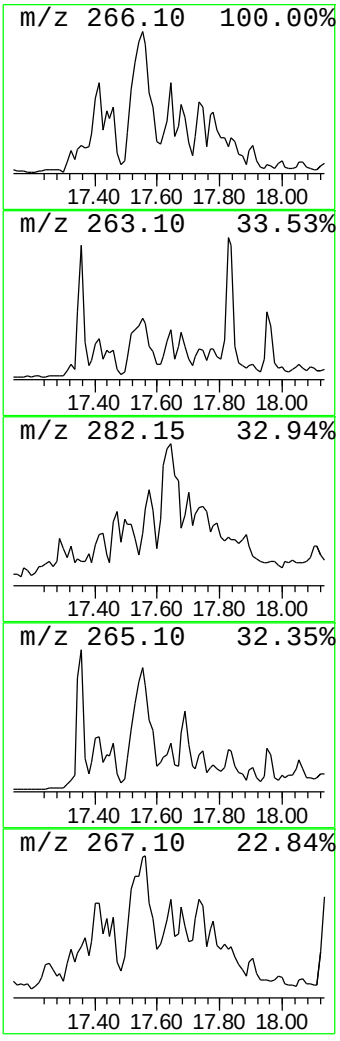
Peak Number 13 Perylene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	6.43 ng	183171	Perylene-d12	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	83
2	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	62
3	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	60
4	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	49
5	5-(p-Dimethylaminocinnamoyl)-2-m...	266	C17H18N2O	004625-19-8	47





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Acq On : 11 Apr 2015 11:47
Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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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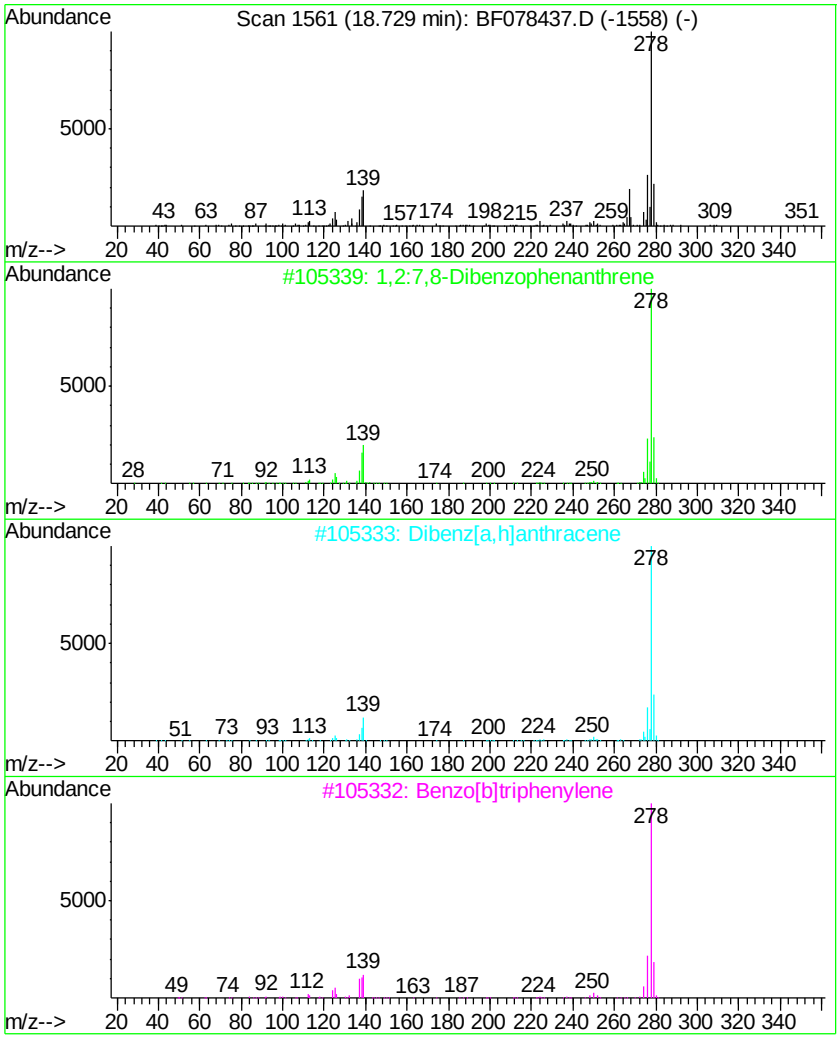
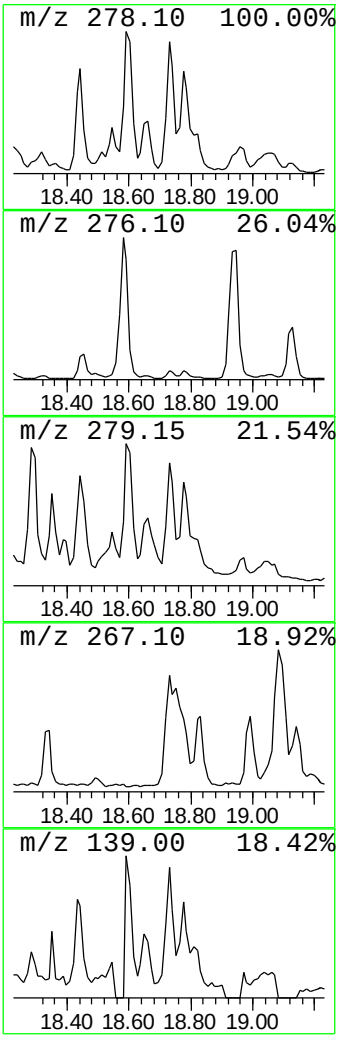
Peak Number 15 1,2:7,8-Dibenzophenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	9.71 ng	276867	Perylene-d12	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
4	Benzo[b]chrysene	278	C22H14	000214-17-5	96
5	Pentacene	278	C22H14	000135-48-8	89





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Acq On : 11 Apr 2015 11:47
Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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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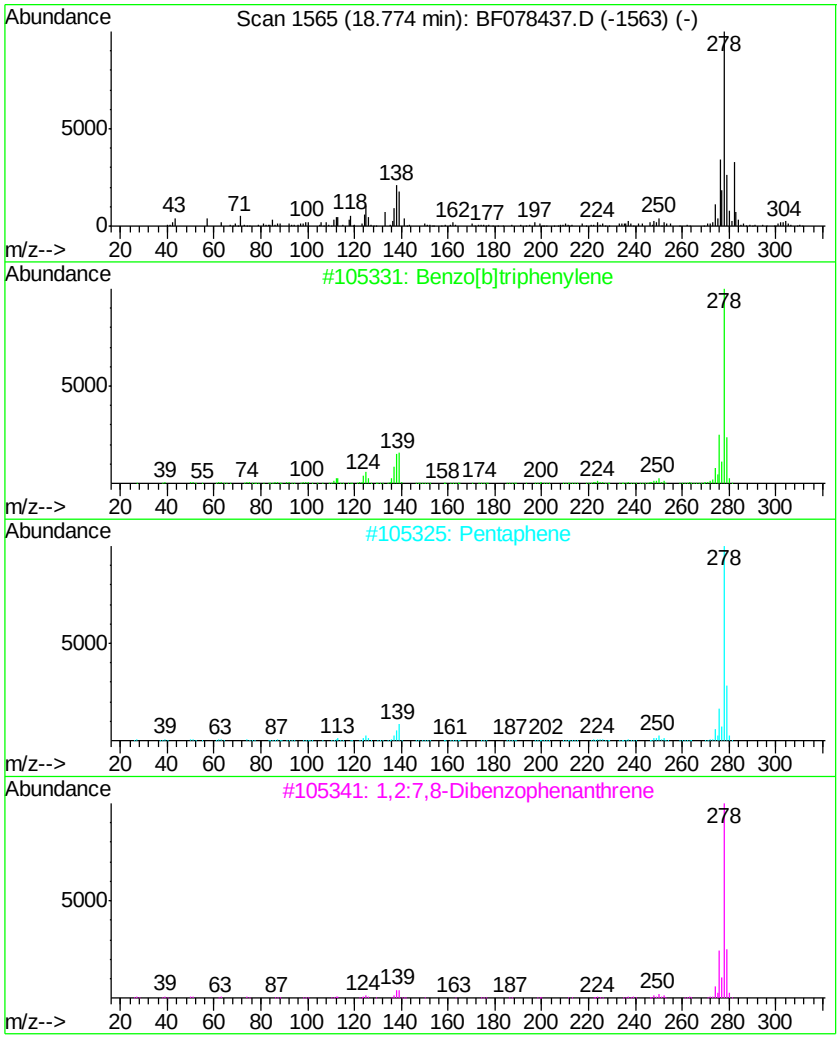
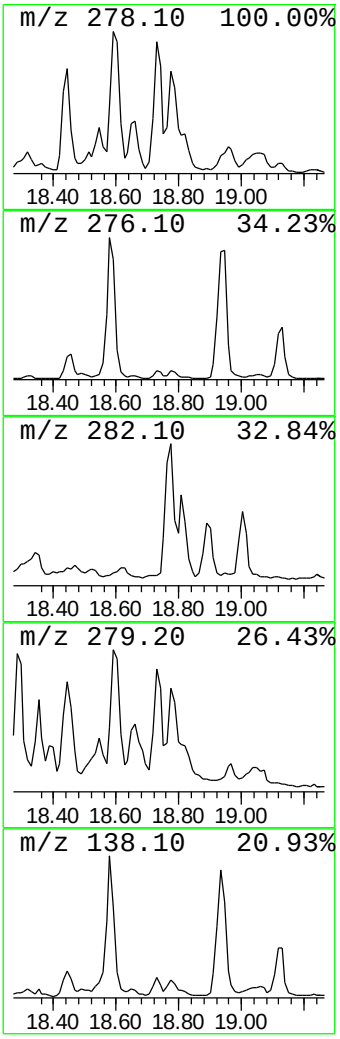
Peak Number 16 Benzo[b]triphenylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	16.04 ng	457227	Perylene-d12	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2	Pentaphene	278	C22H14	000222-93-5	91
3	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	86
4	Benzo[b]chrysene	278	C22H14	000214-17-5	70
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70





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Acq On : 11 Apr 2015 11:47
Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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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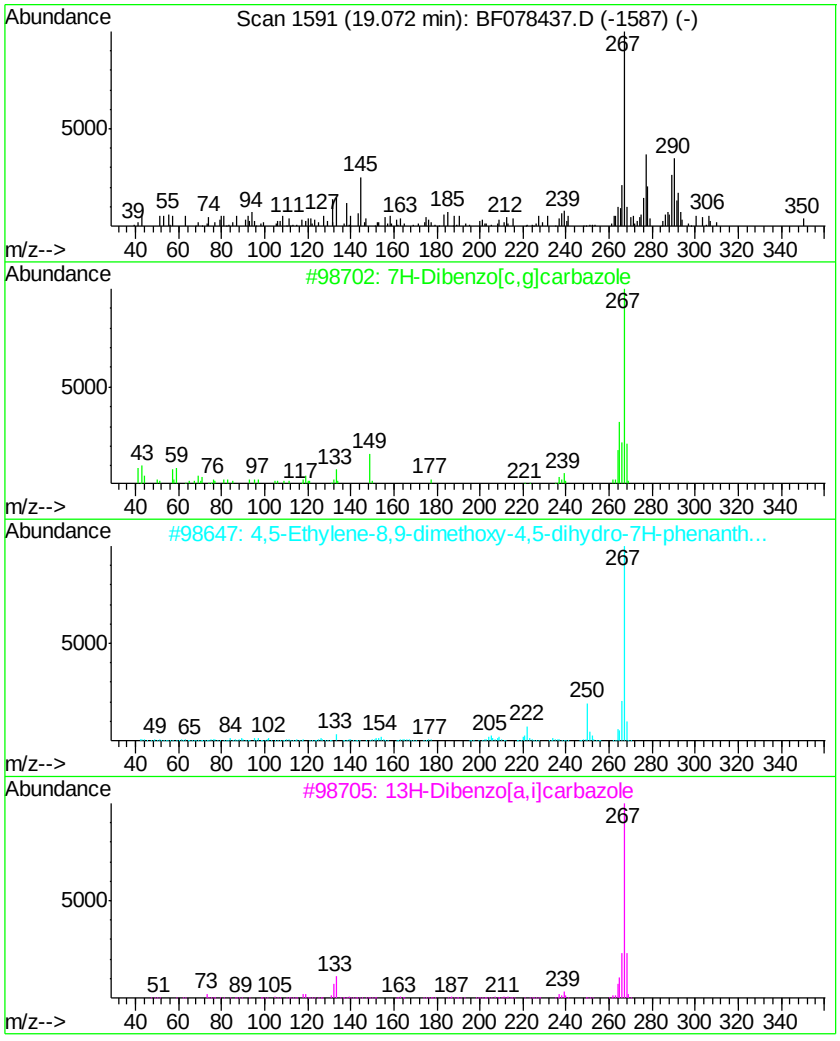
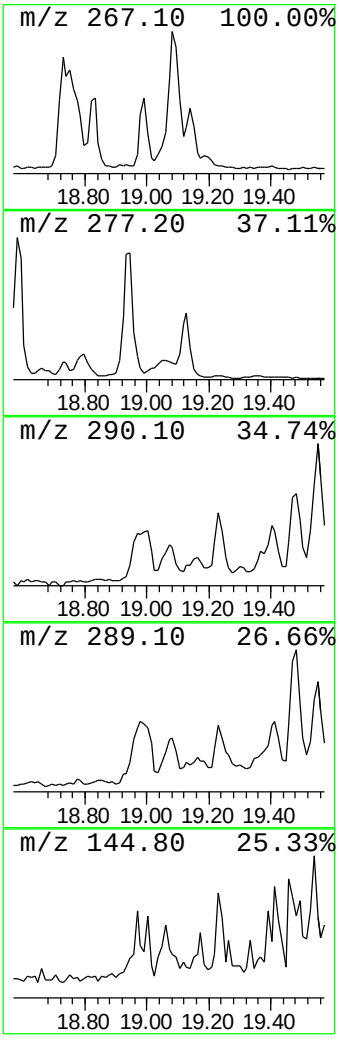
Peak Number 17 unknown19.07 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	7.81 ng	222551	Perylene-d12	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Dibenzo[c,g]carbazole	267	C20H13N	000194-59-2	46
2	4,5-Ethylene-8,9-dimethoxy-4,5-d...	267	C17H17NO2	107208-75-3	43
3	13H-Dibenzo[a,i]carbazole	267	C20H13N	000239-64-5	38
4	7H-Dibenzo(a,g)carbazole	267	C20H13N	000207-84-1	38
5	5H-Naphtho[2,3-b]carbazole	267	C20H13N	000248-96-4	25





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Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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

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TIC Integration Parameters: LSCINT.P

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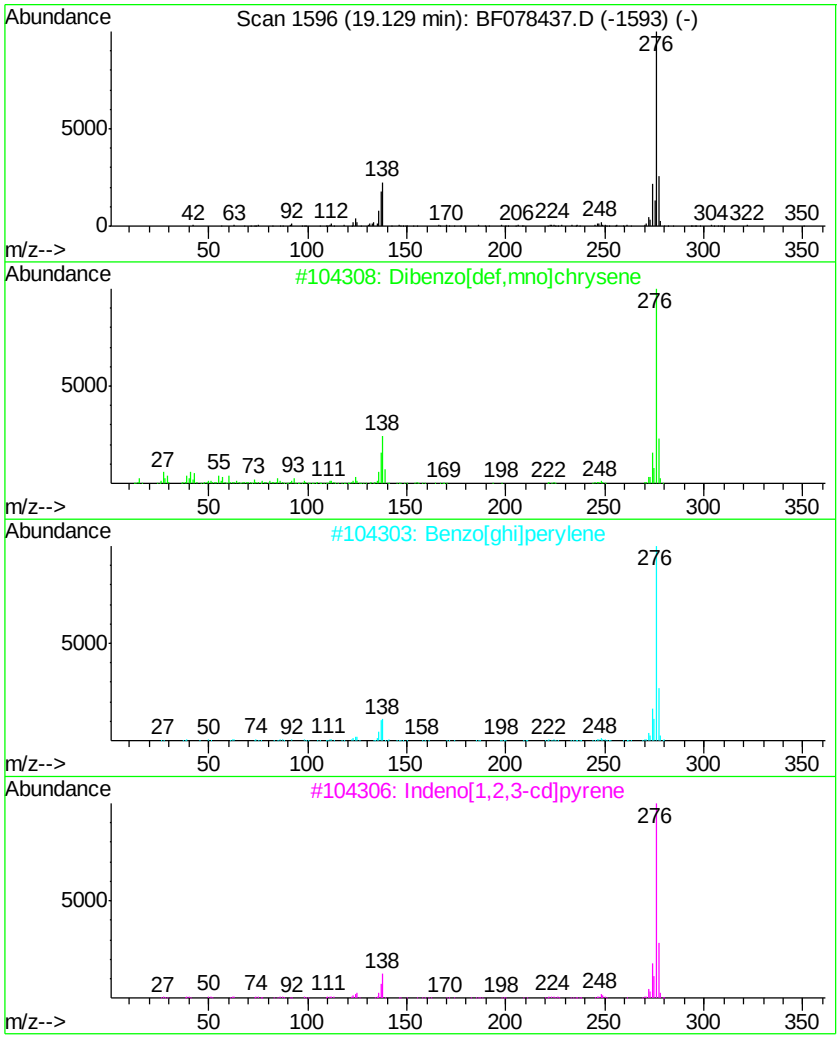
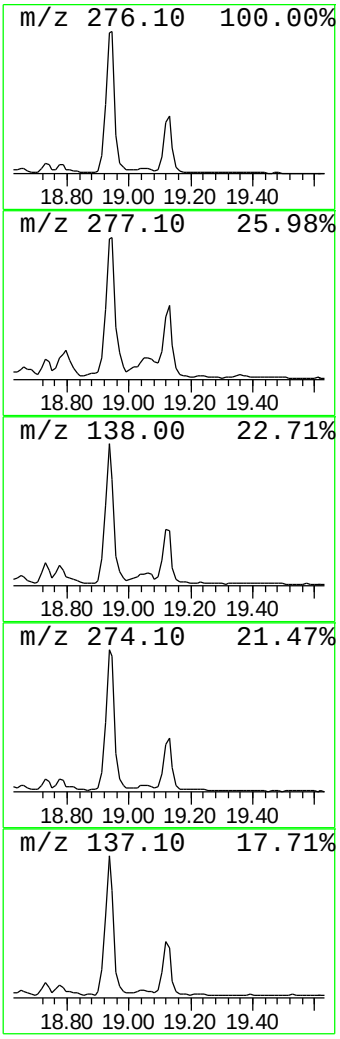
Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	18.38 ng	524068	Perylene-d12	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59





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Acq On : 11 Apr 2015 11:47
Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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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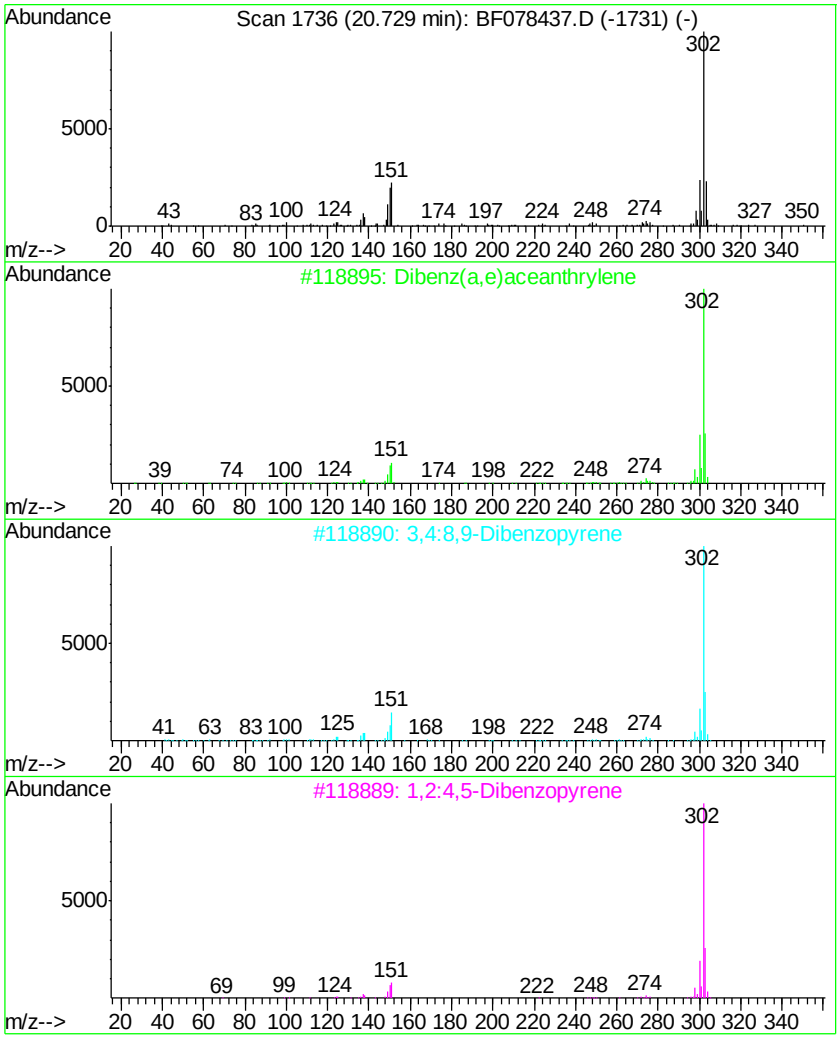
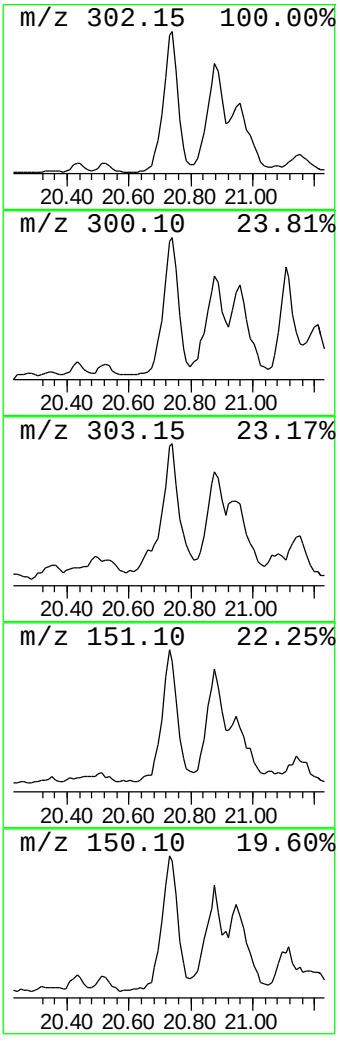
Peak Number 19 Dibenz(a,e)aceanthrylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	14.78 ng	421463	Perylene-d12	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	98
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	97
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
4	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	94
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	90





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Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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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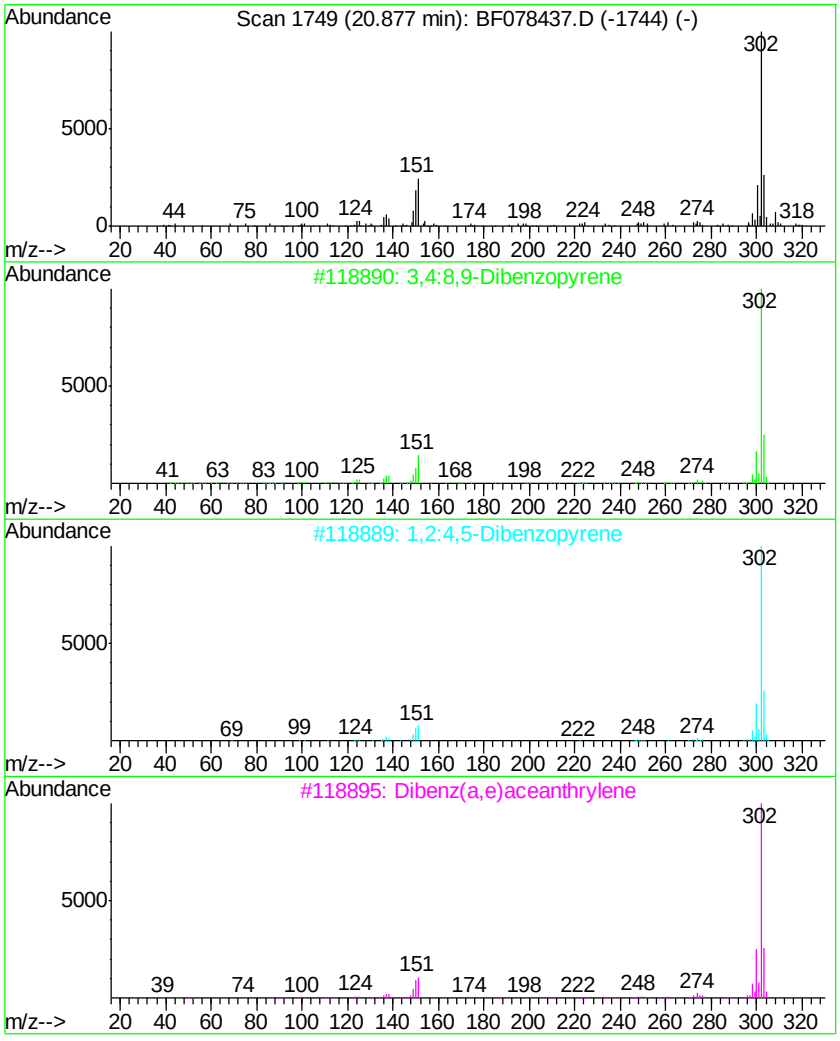
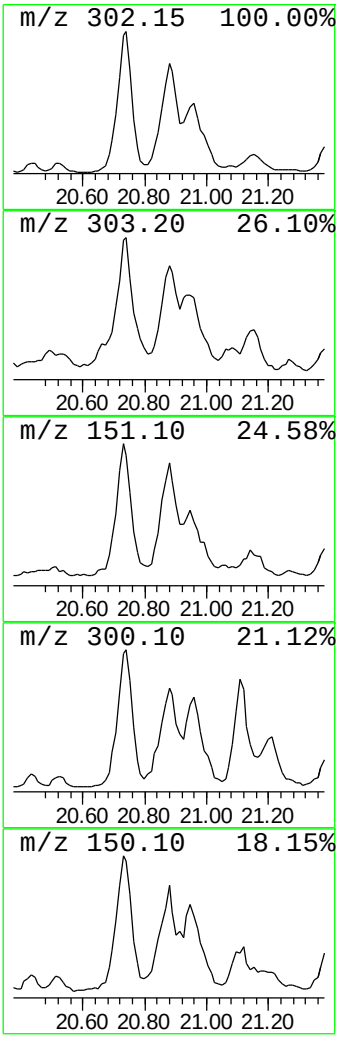
Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.88	10.02 ng	285724	Perylene-d12	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	96
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
3	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	89
4	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	89
5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078437.D
Acq On : 11 Apr 2015 11:47
Operator : TP/IZ
Sample : G1793-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8D

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			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 2,2-dime...	1.02	25.6	ng	290519	1	6.86	226590	20.0
unknown6.57	6.57	65.8	ng	745476	1	6.86	226590	20.0
Naphthalene, 1-me...	9.44	5.8	ng	111526	2	8.44	385909	20.0
11H-Benzo[b]fluorene	14.61	5.8	ng	814830	5	15.69	2822910	20.0
Iron, (.eta.5-2,4...	16.55	6.3	ng	181036	6	17.36	570129	20.0
Benzo[j]fluoranthene	17.04	16.0	ng	455042	6	17.36	570129	20.0
Benzo(a)pyrene 4,...	17.16	6.6	ng	186990	6	17.36	570129	20.0
13H-Dibenzo[a,h]f...	17.55	17.8	ng	506089	6	17.36	570129	20.0
Perylene, 3-methyl-	17.64	6.4	ng	183171	6	17.36	570129	20.0
1,2:7,8-Dibenzoph...	18.73	9.7	ng	276867	6	17.36	570129	20.0
Benzo[b]triphenylene	18.77	16.0	ng	457227	6	17.36	570129	20.0
unknown19.07	19.07	7.8	ng	222551	6	17.36	570129	20.0
Dibenzo[def,mno]c...	19.13	18.4	ng	524068	6	17.36	570129	20.0
Dibenz(a,e)aceant...	20.73	14.8	ng	421463	6	17.36	570129	20.0
3,4:8,9-Dibenzopy...	20.88	10.0	ng	285724	6	17.36	570129	20.0