LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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	1.401	42	45	47	rBV	4010849	4616866	100.00%	11.066%
2	1.527	52	56	59	rVB	100430	166733	3.61%	0.400%
3	1.698	69	71	78	rVB	46920	70099	1.52%	0.168%
4	1.835	78	83	93	rVB2	52764	114022	2.47%	0.273%
5	5.013	359	361	369	rVB	195055	242261	5.25%	0.581%
6	5.527	403	406	409	rBV	1240222	1245678	26.98%	2.986%
7	6.796	514	517	520	rBV	1498665	1317114	28.53%	3.157%
8	6.944	528	530	533	rBV	1481232	1351843	29.28%	3.240%
9	7.230	553	555	558	rBV	442561	548915	11.89%	1.316%
10	7.425	569	572	574	rBV	1063673	1077718	23.34%	2.583%
11	7.927	613	616	618	rBV	943742	830865	18.00%	1.992%
12	8.807	691	693	698	rBV	708929	852683	18.47%	2.044%
13	9.699	769	771	773	rBV	202184	177244	3.84%	0.425%
14	9.813	779	781	784	rVB	85794	116912	2.53%	0.280%
15	10.156	809	811	814	rBV	1379552	1583299	34.29%	3.795%
16	10.282	820	822	825	rBV	74847	69081	1.50%	0.166%
17	10.476	836	839	842	rBV	43982	72591	1.57%	0.174%
18	10.568	844	847	849	rVV	77658	88744	1.92%	0.213%
19	10.602	849	850	854	rVB2	59353	56396	1.22%	0.135%
20	10.716	857	860	863	rVB2	37411	54149	1.17%	0.130%
21	10.991	882	884	886	rBV	860046	923419	20.00%	2.213%
22	11.025	886	887	890	rVB	438373	376431	8.15%	0.902%
23	11.242	903	906	909	rBV	354790	326922	7.08%	0.784%
24	11.665	941	943	945	rBV	336162	320850	6.95%	0.769%
25	11.745	947	950	951	rVV	27809	46362	1.00%	0.111%
26	11.871	959	961	964	rVB2	76007	106427	2.31%	0.255%
27	11.962	967	969	972	rVV2	917561	1060090	22.96%	2.541%
28	12.351	999	1003	1005	rBV3	44085	78332	1.70%	0.188%
29	12.545	1014	1020	1021	rBV2	29318	73590	1.59%	0.176%
30	12.591	1021	1024	1027	rVB	154502	168074	3.64%	0.403%
31	12.659	1027	1030	1031	rBV	50147	65236	1.41%	0.156%
32	12.694	1031	1033	1035	rVB	95983	125613	2.72%	0.301%
33	12.831	1042	1045	1046	rBV	974786	988629	21.41%	2.370%
34	12.865	1046	1048	1050	rVV	1695030	2020062	43.75%	4.842%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.922	1050	1053	1055	rVV	498006	511038	11.07%	1.225%
36	12.968	1055	1057	1060	rVB	45978	61967	1.34%	0.149%
37	13.128	1069	1071	1073	rVB	292391	254459	5.51%	0.610%
38	13.254	1080	1082	1084	rBV3	33958	46605	1.01%	0.112%
39	13.459	1097	1100	1101	rBV	179472	179671	3.89%	0.431%
40	13.494	1101	1103	1106	rVB	278562	271711	5.89%	0.651%
41	13.551	1106	1108	1110	rBV	104337	106301	2.30%	0.255%
42	13.597	1110	1112	1113	rBV	198358	311776	6.75%	0.747%
43	13.859	1131	1135	1137	rBV2	141836	312639	6.77%	0.749%
44	14.019	1146	1149	1151	rBV	34124	56229	1.22%	0.135%
45	14.145	1157	1160	1162	rBV	79903	113822	2.47%	0.273%
46	14.191	1162	1164	1167	rVV2	45935	89605	1.94%	0.215%
47	14.237	1167	1168	1174	rVB2	59185	109149	2.36%	0.262%
48	14.339	1174	1177	1179	rBV	1977549	1929764	41.80%	4.625%
49	14.419	1181	1184	1185	rBV2	41456	60155	1.30%	0.144%
50	14.511	1189	1192	1194	rBV2	91042	155511	3.37%	0.373%
51	14.614	1198	1201	1203	rBV2	1423789	1815893	39.33%	4.353%
52	14.682	1206	1207	1212	rVB2	82980	103681	2.25%	0.249%
53	14.774	1212	1215	1217	rBV	120635	152170	3.30%	0.365%
54	14.831	1217	1220	1222	rVB	1699392	2021875	43.79%	4.846%
55	14.900	1222	1226	1228	rBV2	71102	146076	3.16%	0.350%
56	14.934	1228	1229	1231	rVB	48871	47619	1.03%	0.114%
57	15.037	1233	1238	1240	rVB	208969	351591	7.62%	0.843%
58	15.117	1243	1245	1247	rBV	129367	118714	2.57%	0.285%
59	15.162	1247	1249	1250	rBV	167769	188937	4.09%	0.453%
60	15.197	1250	1252	1254	rVB	47923	70738	1.53%	0.170%
61	15.277	1257	1259	1260	rBV	56384	68557	1.48%	0.164%
62	15.311	1260	1262	1263	rBV	70764	64542	1.40%	0.155%
63	15.414	1269	1271	1273	rBV2	33743	54156	1.17%	0.130%
64	15.540	1278	1282	1284	rBV4	53546	156523	3.39%	0.375%
65	15.665	1290	1293	1296	rVB	120444	169939	3.68%	0.407%
66	15.802	1302	1305	1307	rBV	138569	207837	4.50%	0.498%
67	15.848	1307	1309	1311	rVV2	105927	231661	5.02%	0.555%
68	15.928	1314	1316	1319	rVB	136308	179557	3.89%	0.430%
69	15.997	1320	1322	1328	rVV3	159824	262207	5.68%	0.628%
70	16.122	1328	1333	1335	rVV2	1285050	2481882	53.76%	5.949%
71	16.157	1335	1336	1338	rVV	661801	559201	12.11%	1.340%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.248	1341	1344	1346	rBV2	140421	185330	4.01%	0.444%
73	16.374	1353	1355	1357	rVB2	80136	113269	2.45%	0.271%
74	16.420	1357	1359	1361	rBV	103098	129551	2.81%	0.311%
75	16.534	1367	1369	1371	rBV3	39669	60122	1.30%	0.144%
76	16.580	1371	1373	1374	rBV	34290	58123	1.26%	0.139%
77	16.625	1374	1377	1379	rVV	114424	152954	3.31%	0.367%
78	16.660	1379	1380	1383	rVB2	53660	71730	1.55%	0.172%
79	16.740	1385	1387	1389	rBV	52054	55662	1.21%	0.133%
80	16.774	1389	1390	1391	rBV	48810	53505	1.16%	0.128%
81	17.014	1409	1411	1413	rBV	88984	139309	3.02%	0.334%
82	17.288	1433	1435	1440	rBV2	82671	157867	3.42%	0.378%
83	17.414	1443	1446	1451	rBV	582979	1402950	30.39%	3.363%
84	17.540	1455	1457	1459	rVB	110716	149811	3.24%	0.359%
85	17.734	1472	1474	1478	rBV	293028	448436	9.71%	1.075%
86	17.803	1478	1480	1483	rVB	583547	652589	14.13%	1.564%
87	17.871	1483	1486	1488	rBV	812299	1191776	25.81%	2.857%
88	18.580	1546	1548	1555	rVB2	84350	203920	4.42%	0.489%
89	19.151	1595	1598	1601	rVB2	50300	100601	2.18%	0.241%
90	19.300	1609	1611	1618	rVB2	199528	489226	10.60%	1.173%
91	19.494	1625	1628	1630	rBV	54880	123831	2.68%	0.297%
92	19.540	1630	1632	1634	rBV2	38182	73691	1.60%	0.177%
93	19.734	1645	1649	1653	rBV	182497	348911	7.56%	0.836%

Sum of corrected areas: 41720172

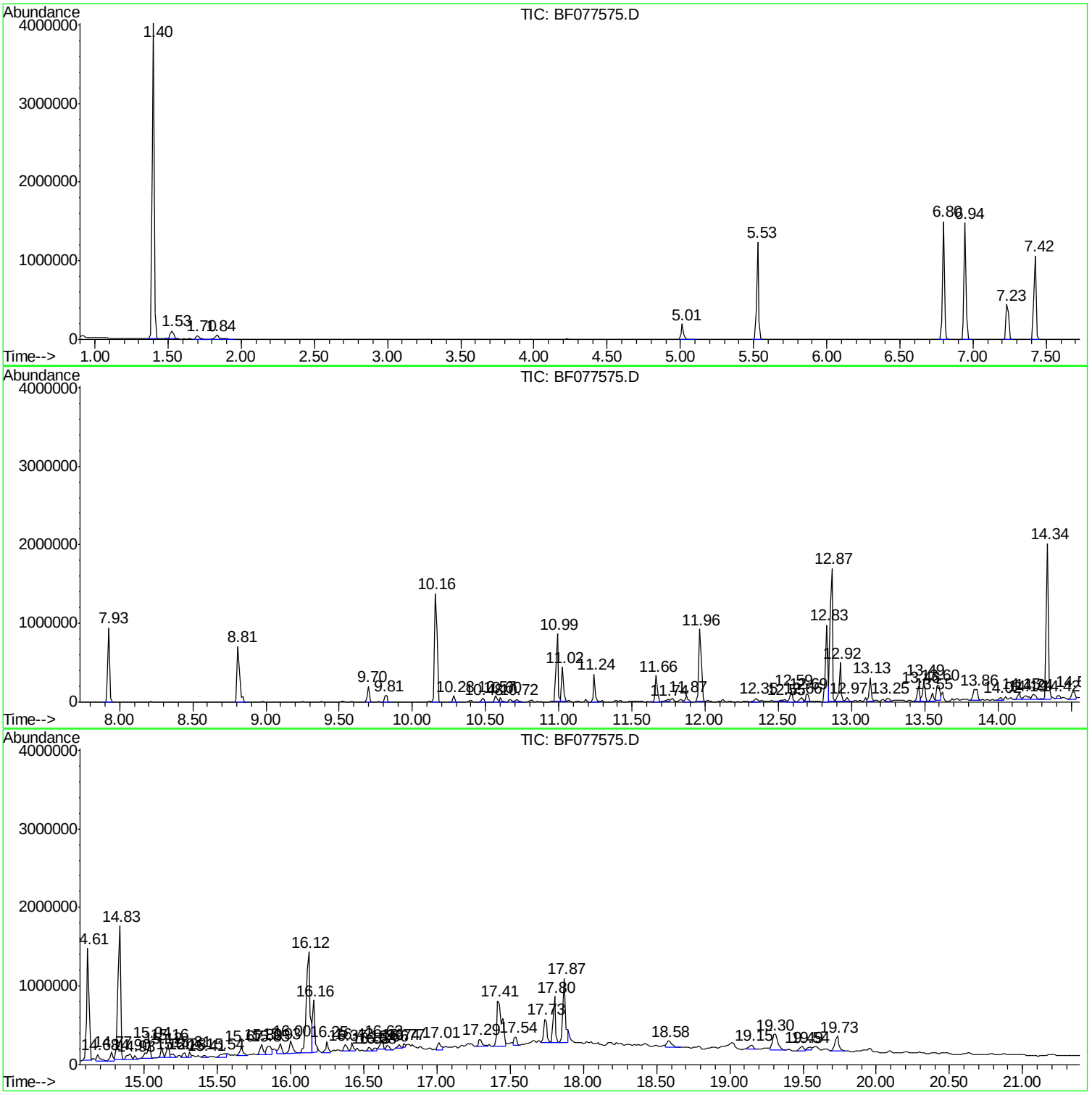
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

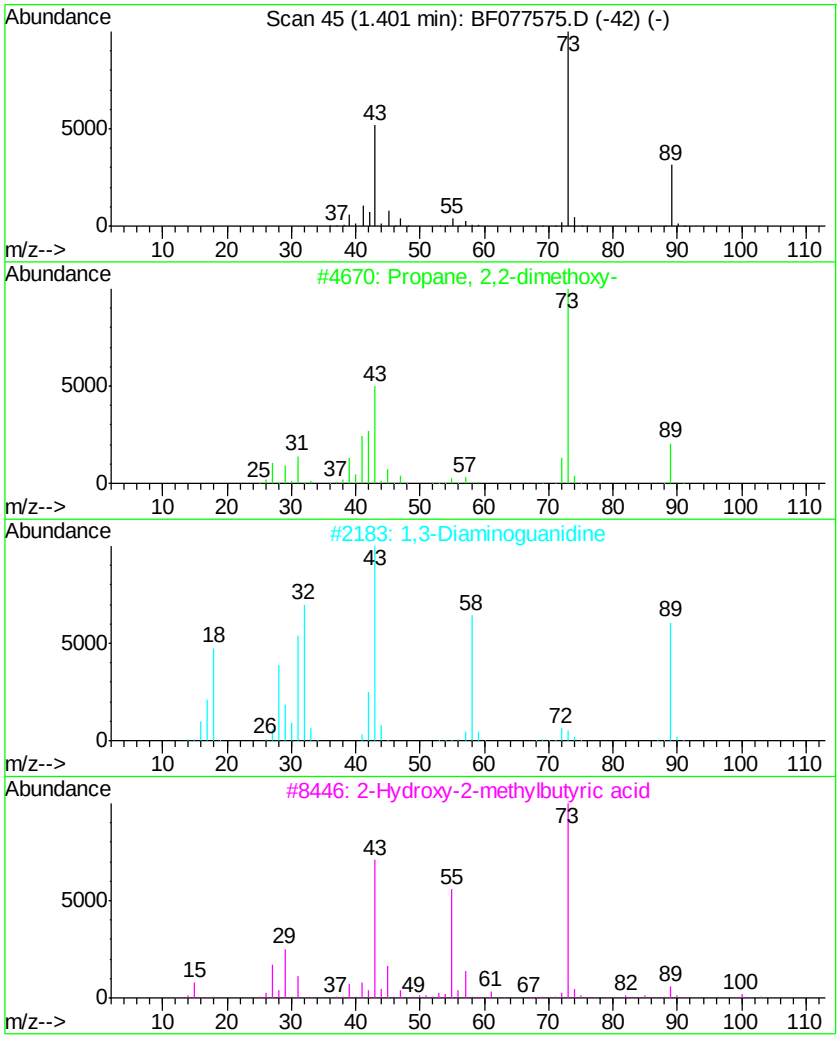
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

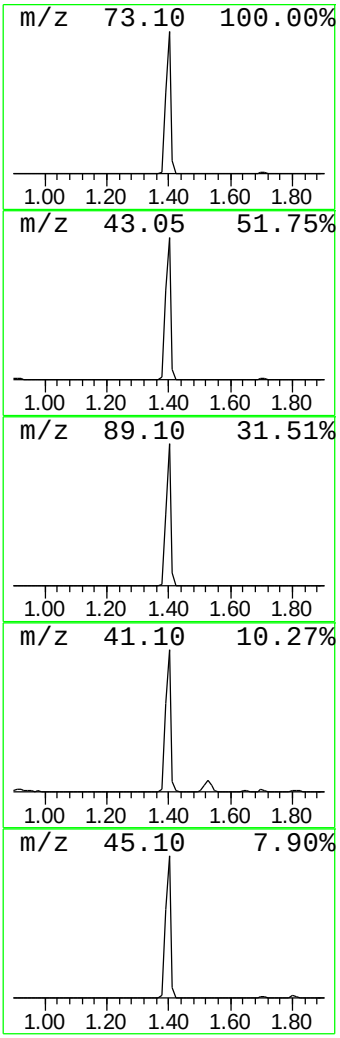
****

Peak Number 1 unknown1.40 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	168.22 ng	4616870	1,4-Dichlorobenzene-d4	7.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
3	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

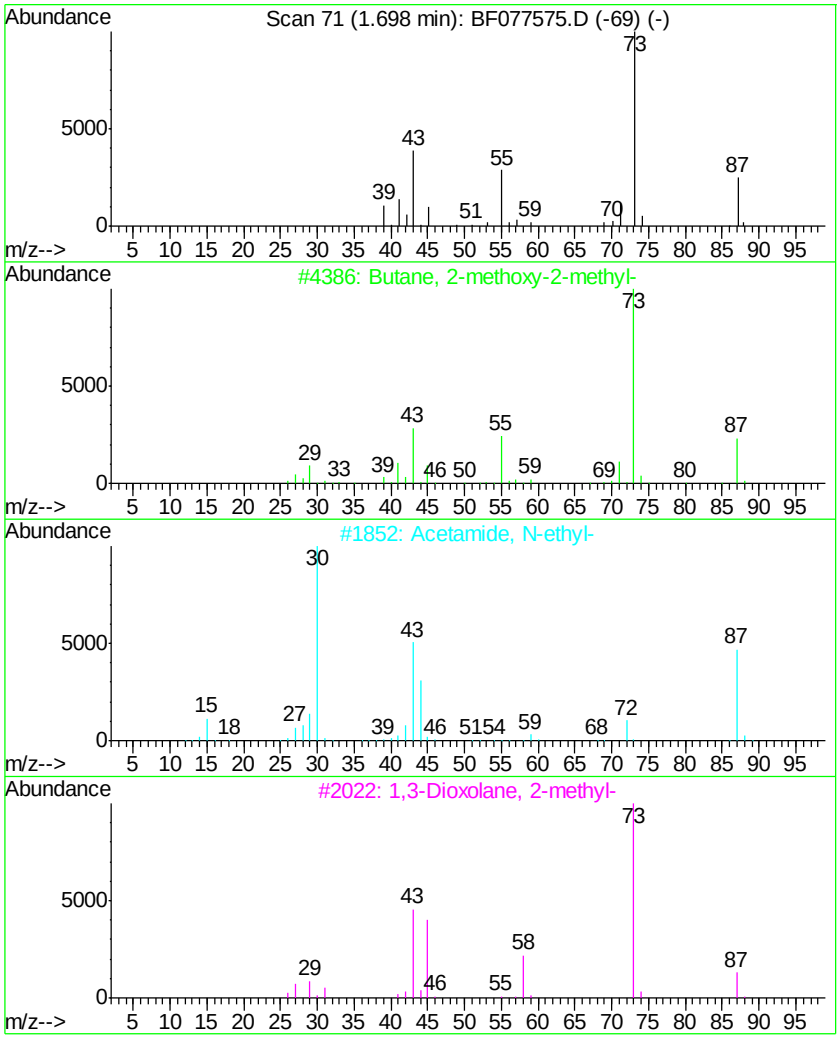
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

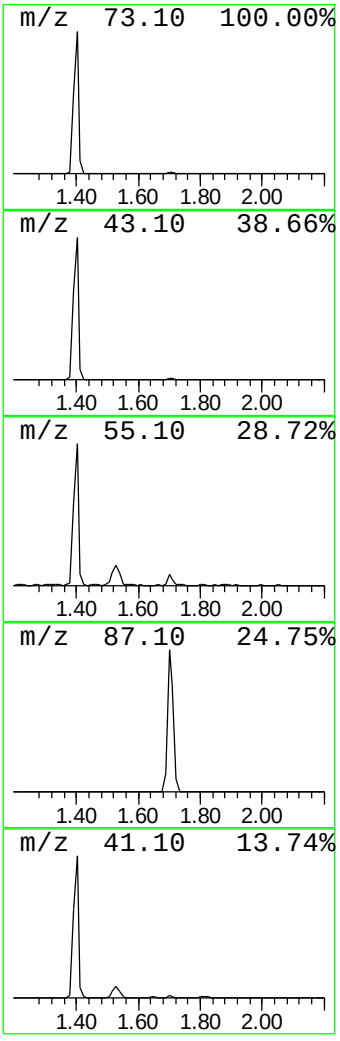
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.70	2.55 ng	70099	1,4-Dichlorobenzene-d4	7.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	16
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

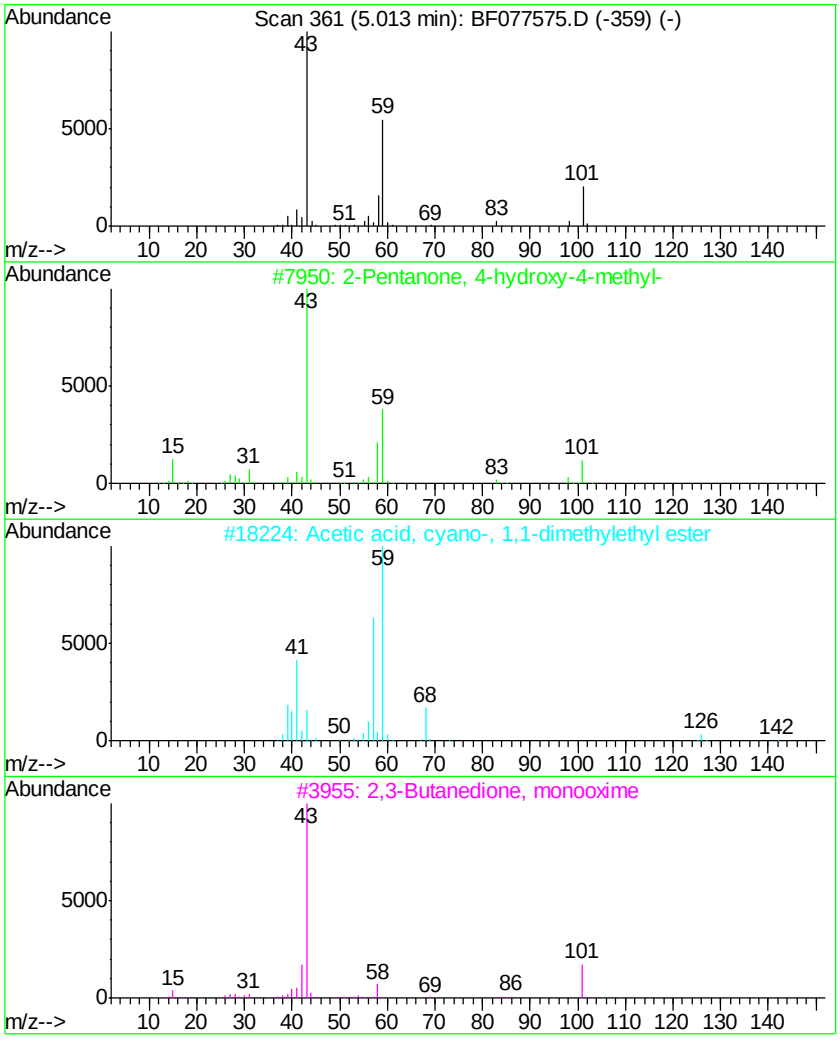
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

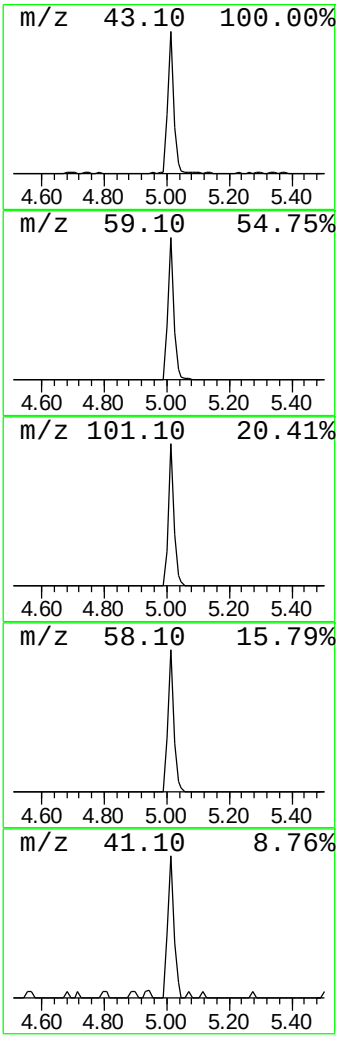
****

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	8.83 ng	242261	1,4-Dichlorobenzene-d4	7.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

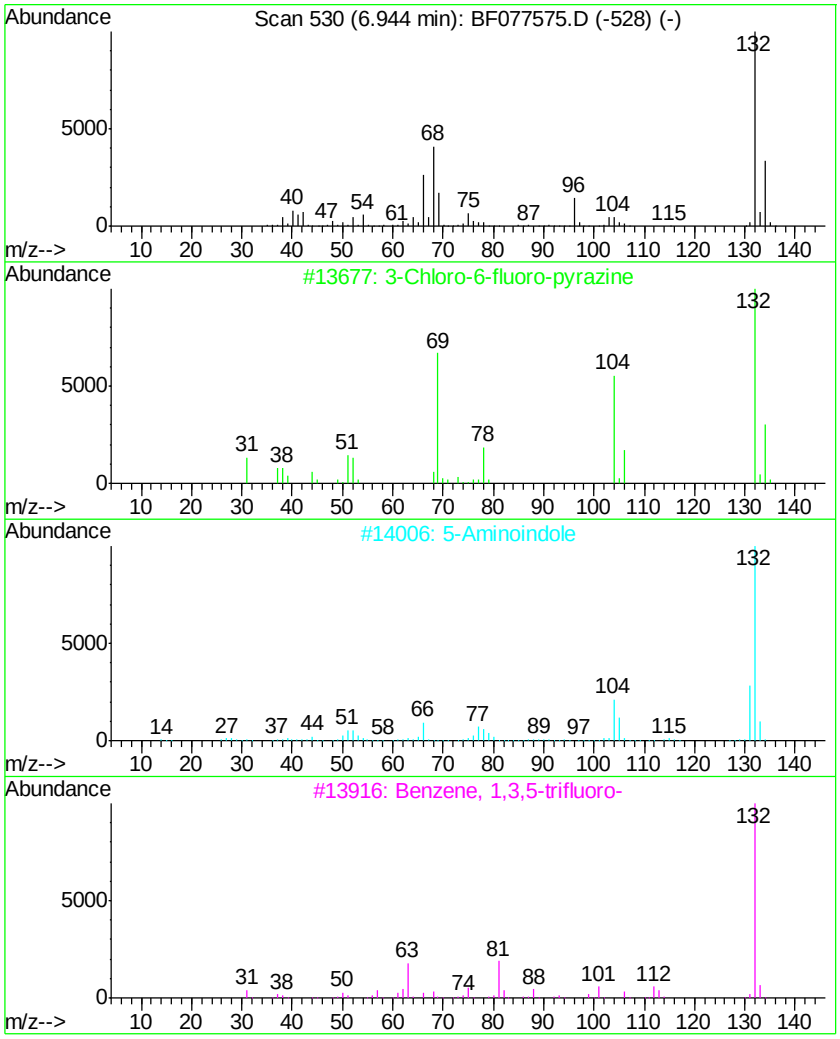
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

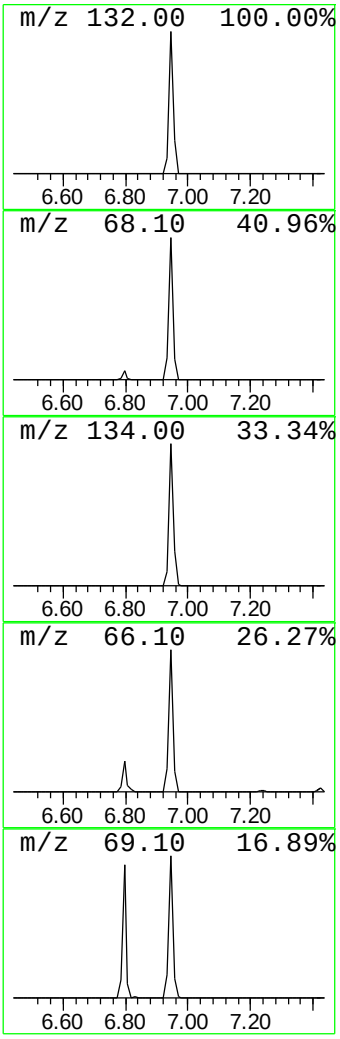
****

Peak Number 6 unknown6.94 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	49.26 ng	1351840	1,4-Dichlorobenzene-d4	7.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

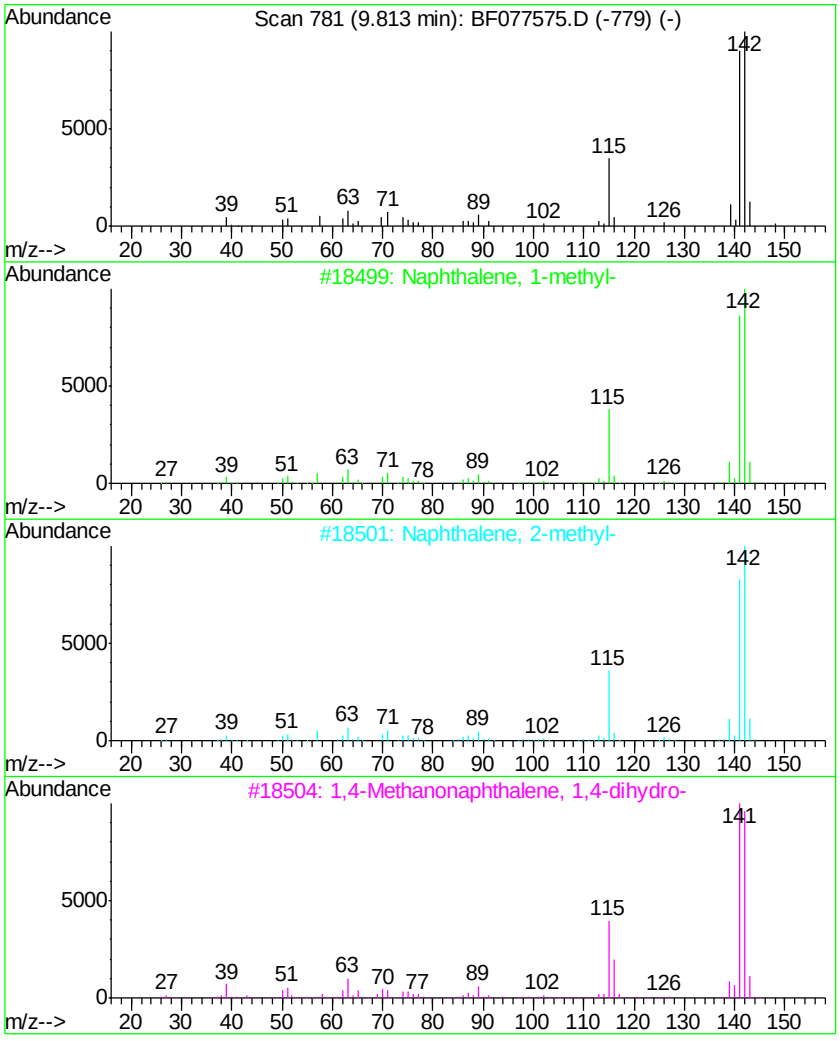
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

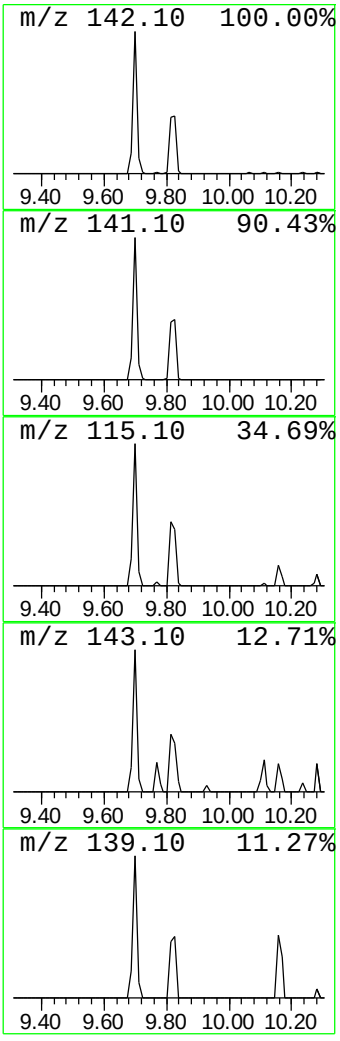
****

Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	2.74 ng	116912	Naphthalene-d8	8.81

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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

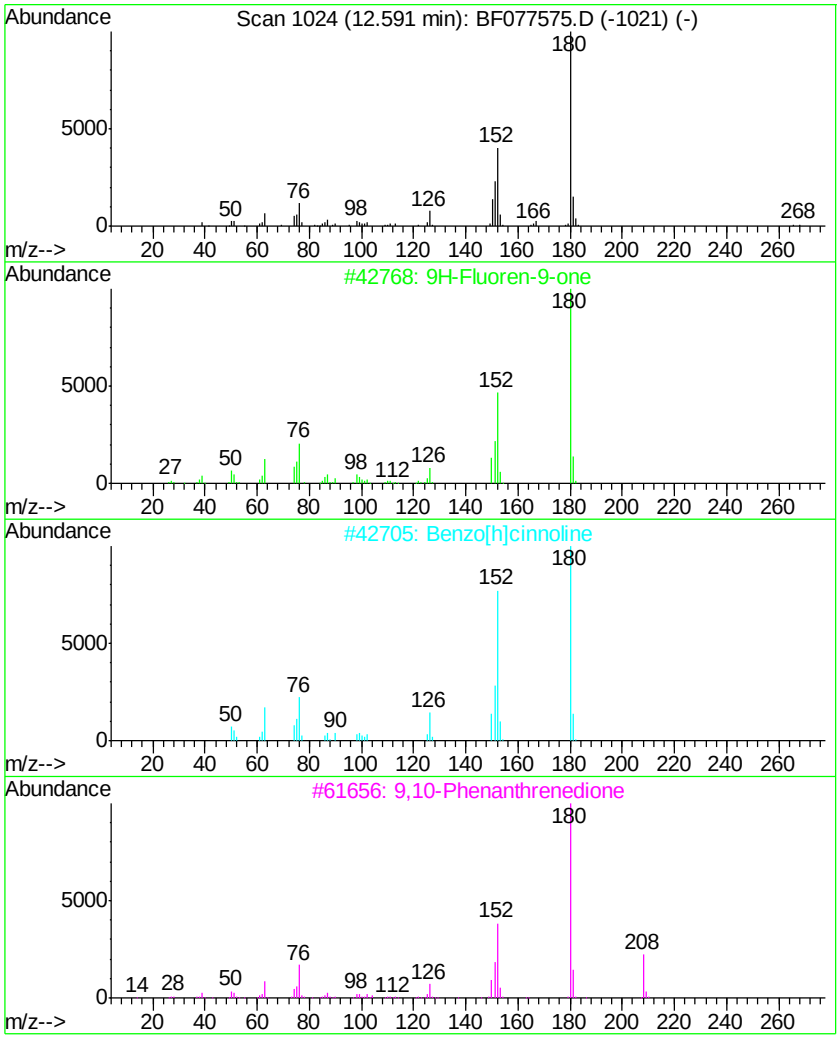
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

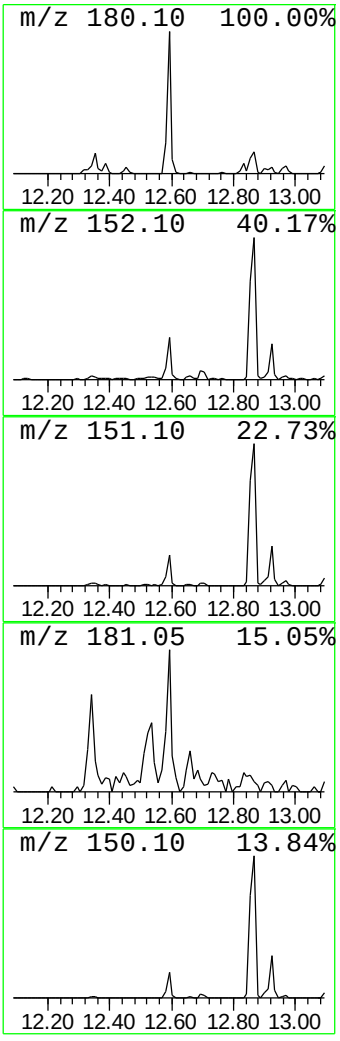
****

Peak Number 9 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	3.40 ng	168074	Phenanthrene-d10	12.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
5	9,9-Bis[4-aminophenylsulfonyl]fl...	476	C25H20N2O4S2	081269-16-1	56





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

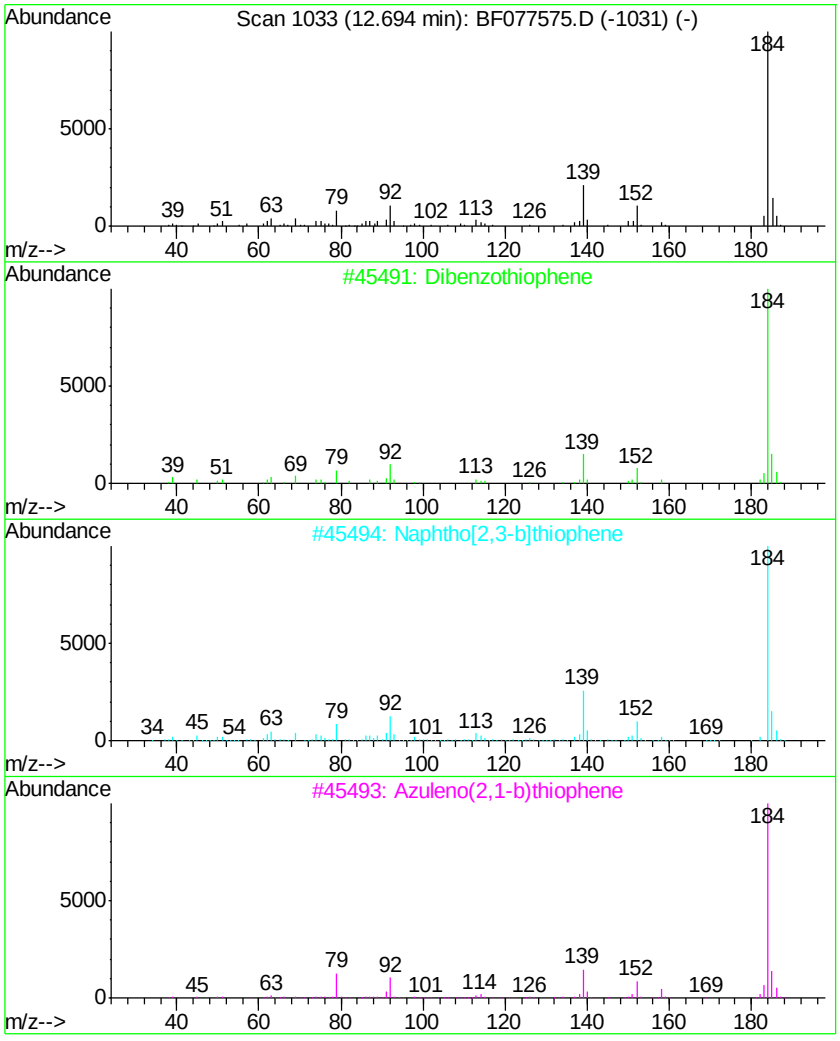
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

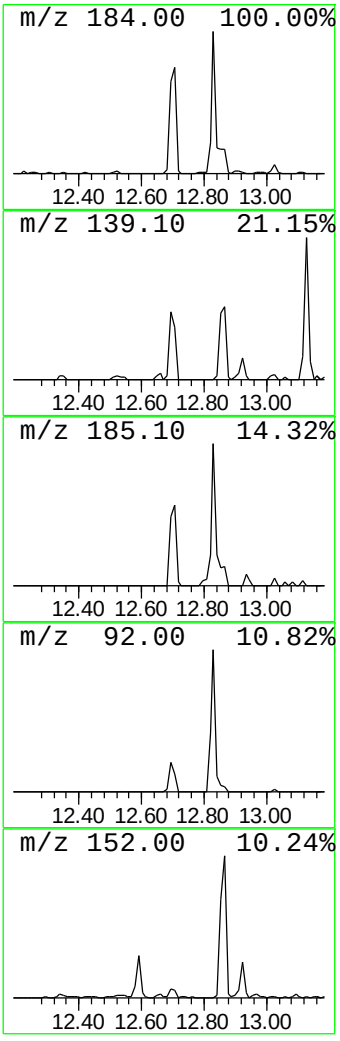
****

Peak Number 10 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	2.54 ng	125613	Phenanthrene-d10	12.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	59
5	2-Dibenzofuranol	184	C12H8O2	000086-77-1	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

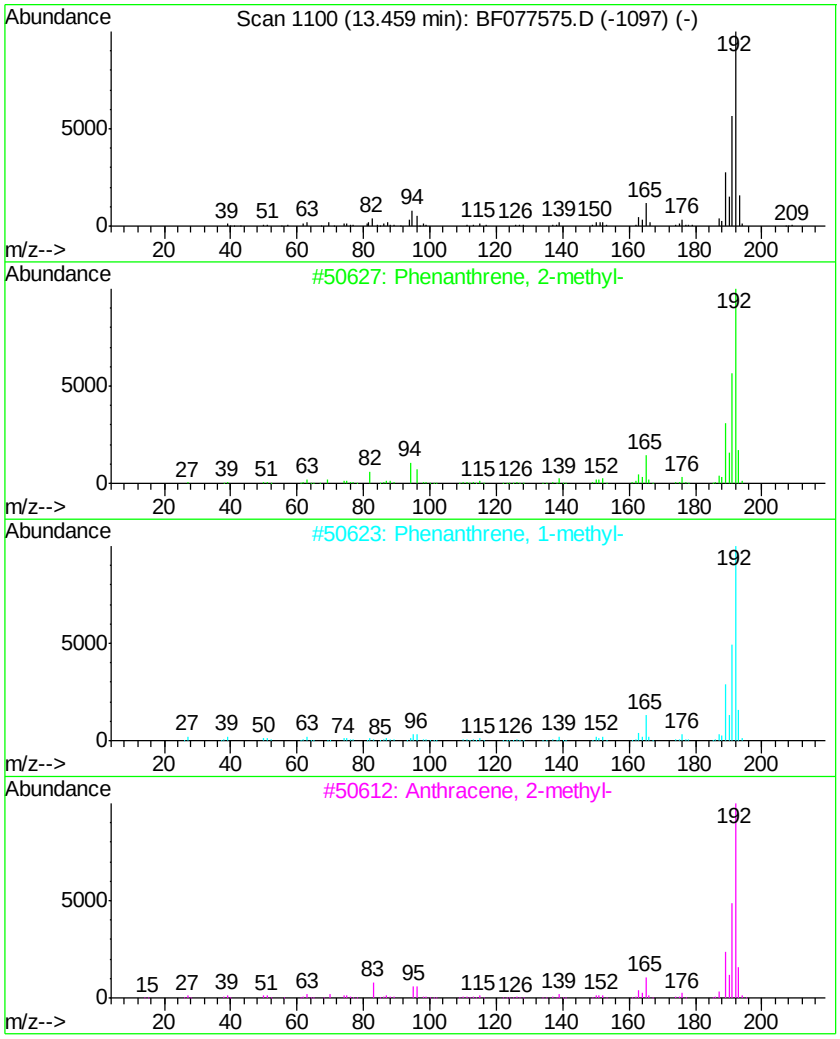
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

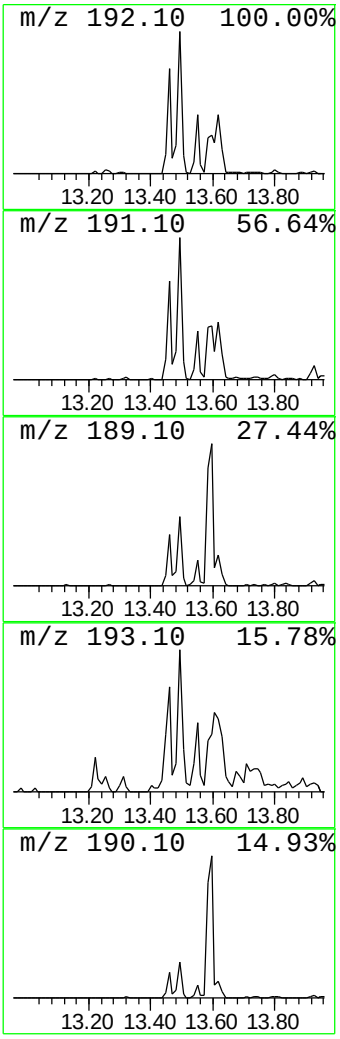
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	3.63 ng	179671	Phenanthrene-d10	12.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

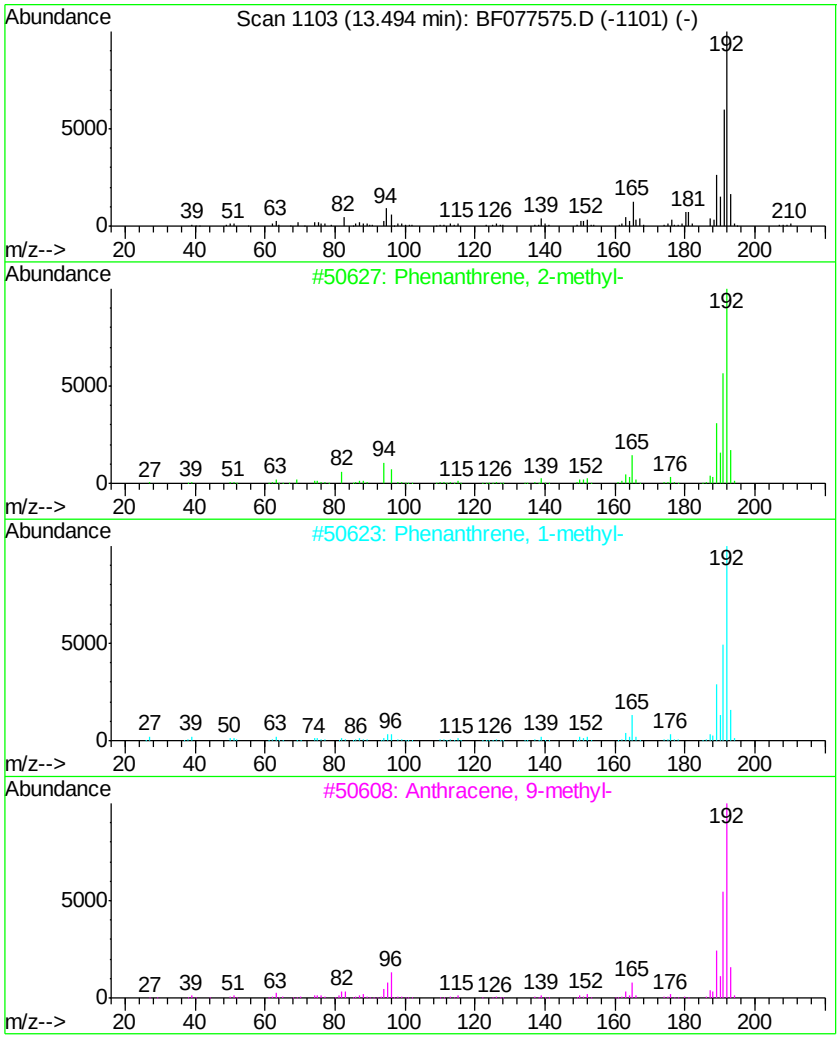
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

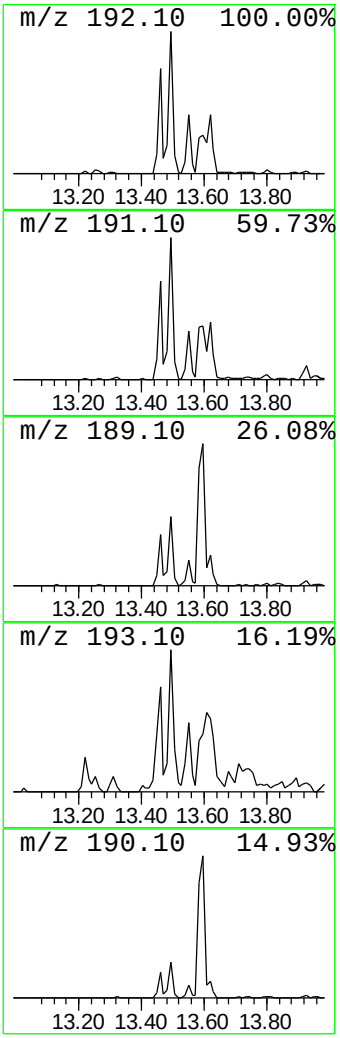
****

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	5.50 ng	271711	Phenanthrene-d10	12.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

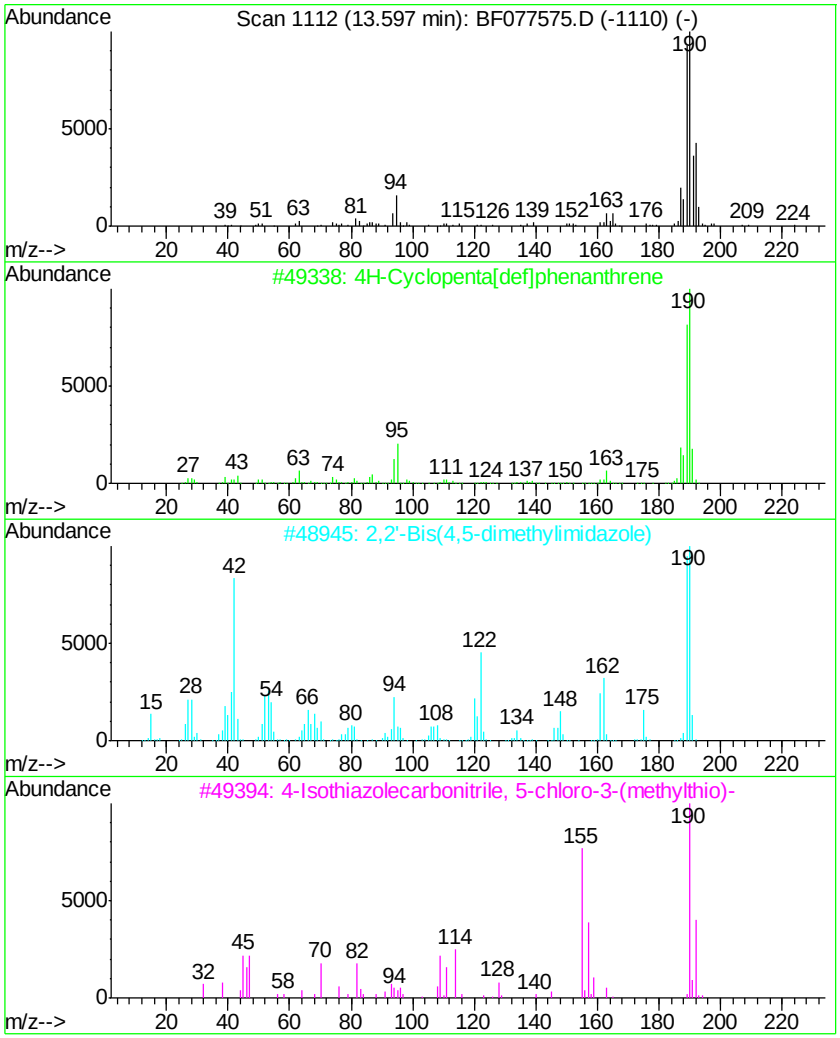
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

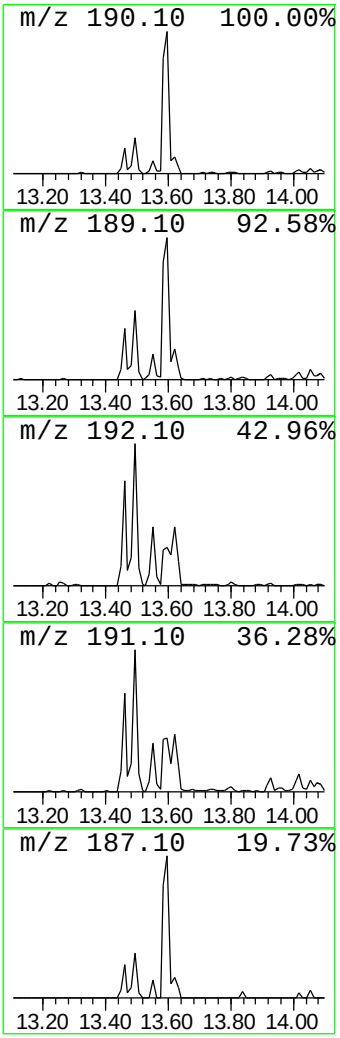
****

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	6.31 ng	311776	Phenanthrene-d10	12.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
3	4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	25
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	16
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

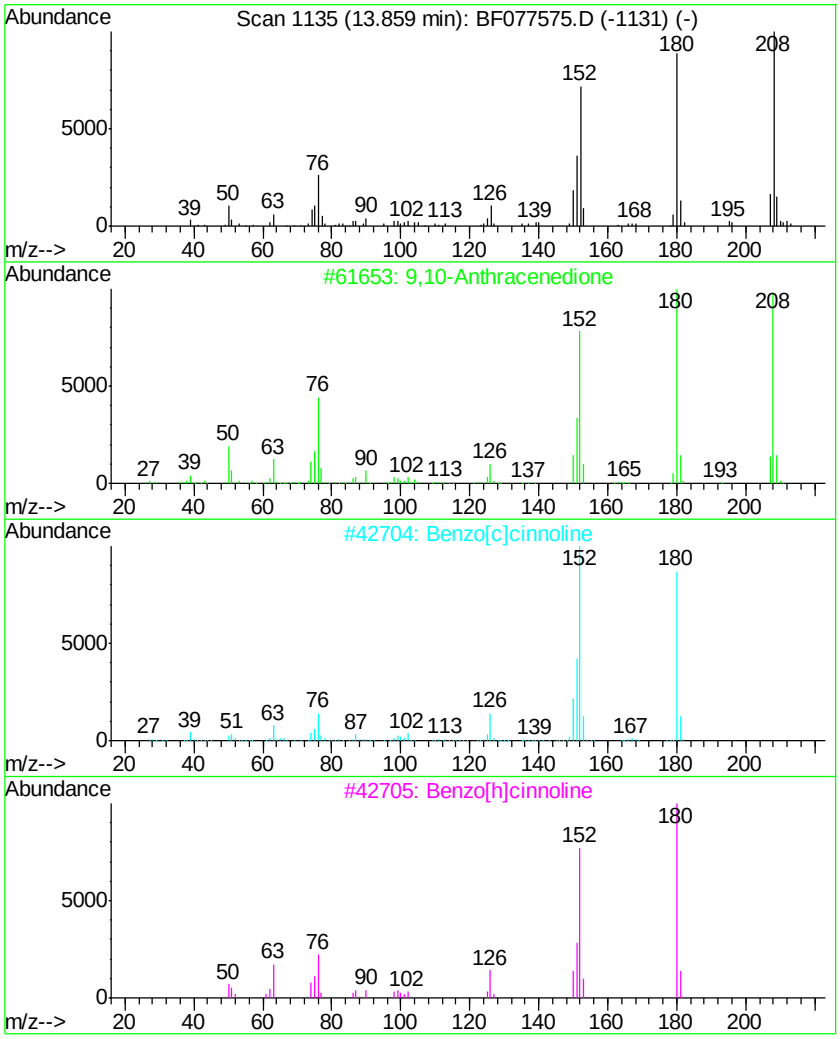
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

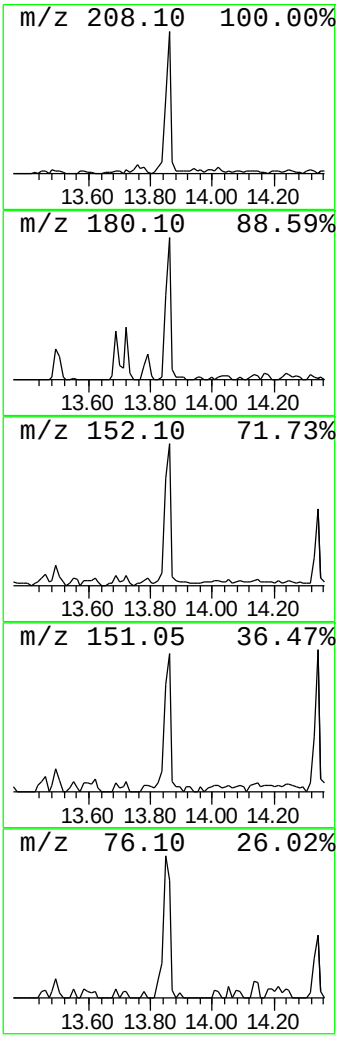
****

Peak Number 14 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	6.32 ng	312639	Phenanthrene-d10	12.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	60





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

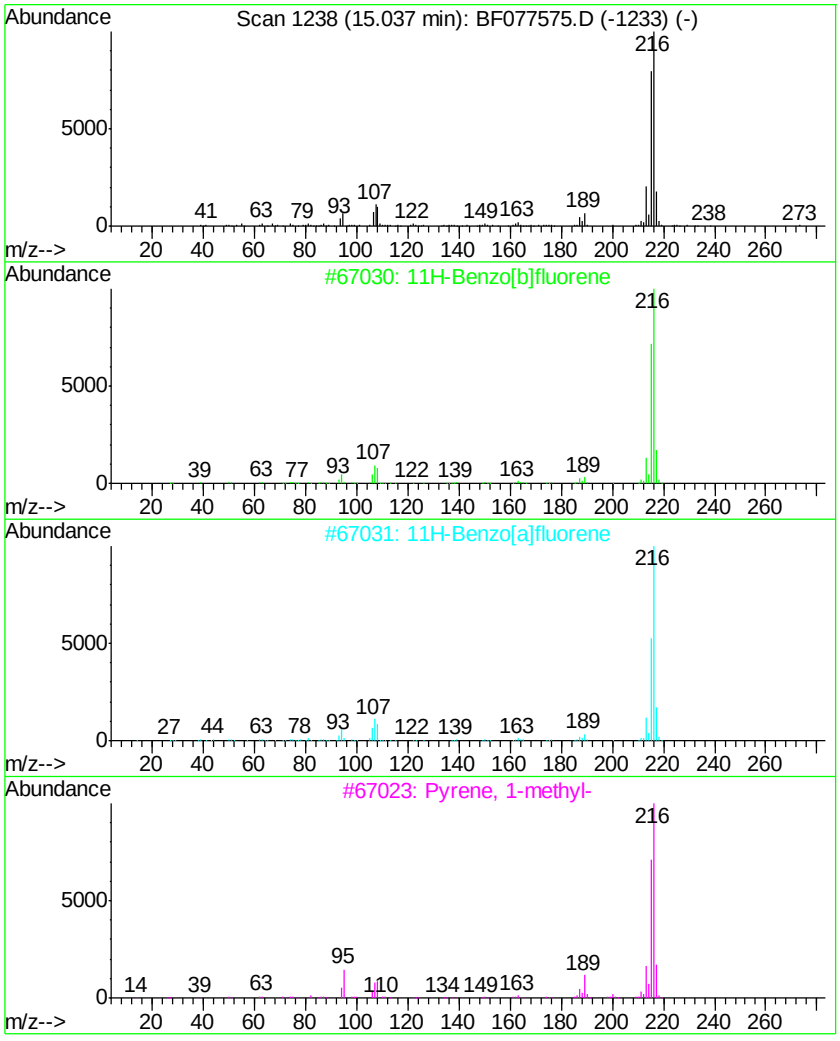
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

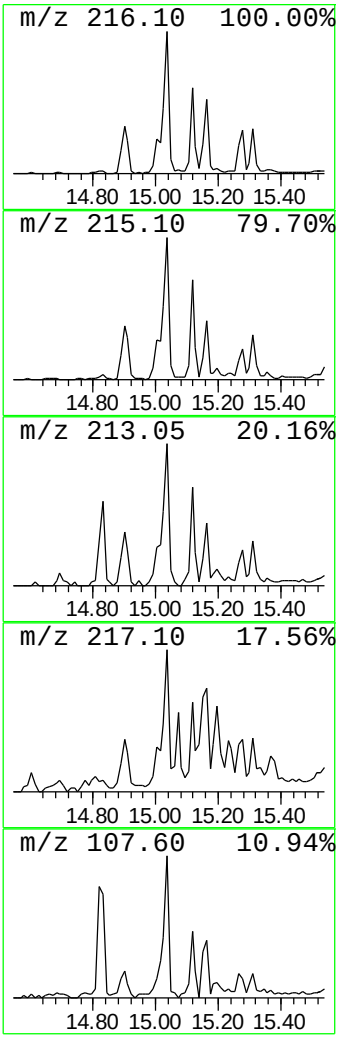
****

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	2.83 ng	351591	Chrysene-d12	16.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

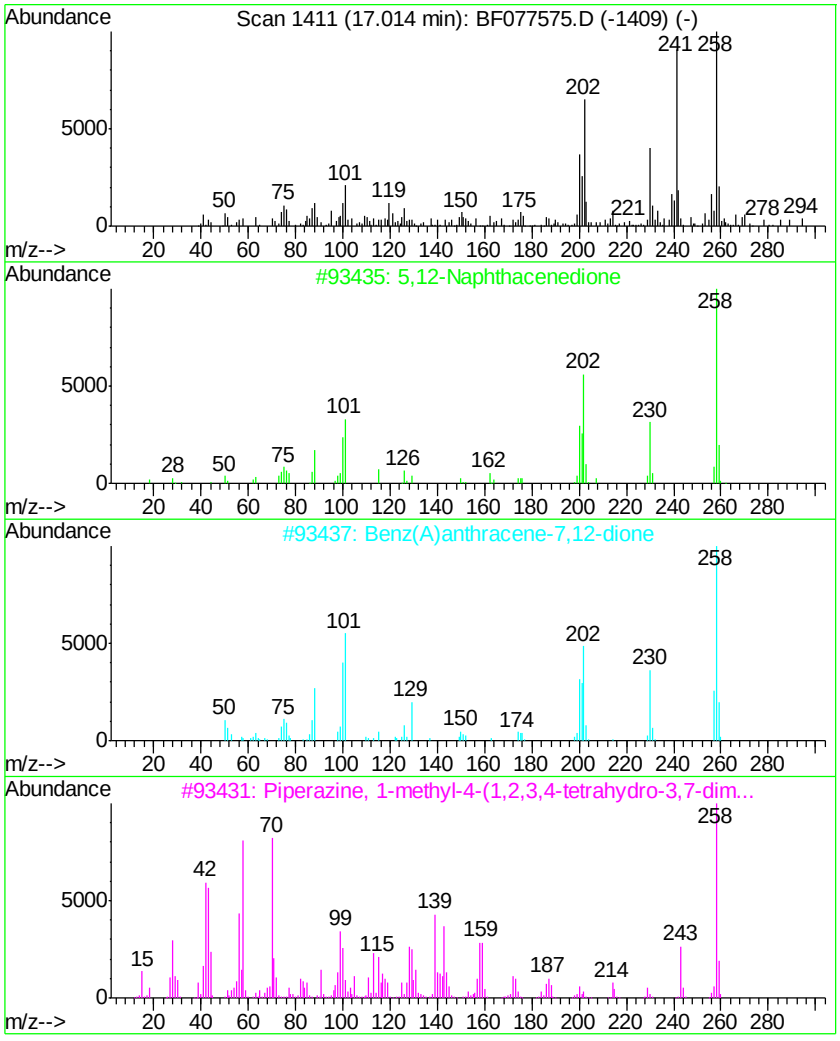
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

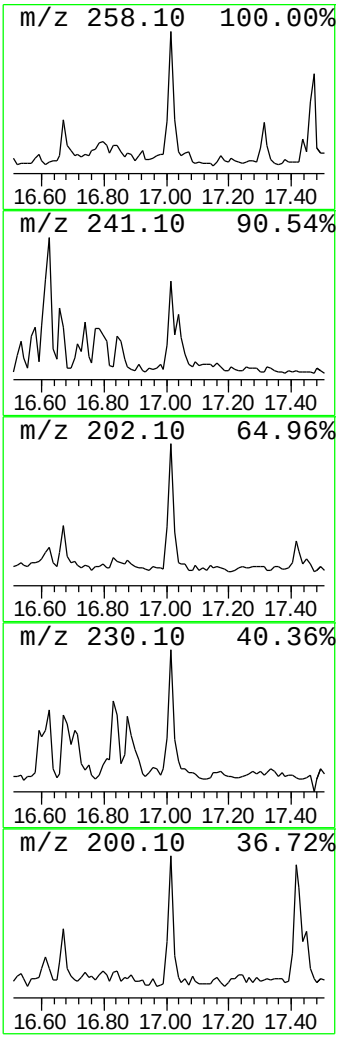
****

Peak Number 16 5,12-Naphthacenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	2.34 ng	139309	Perylene-d12	17.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	97
2	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	91
3	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	64
4	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	49
5	1,4-Chrysenequinone	258	C18H10O2	100900-16-1	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

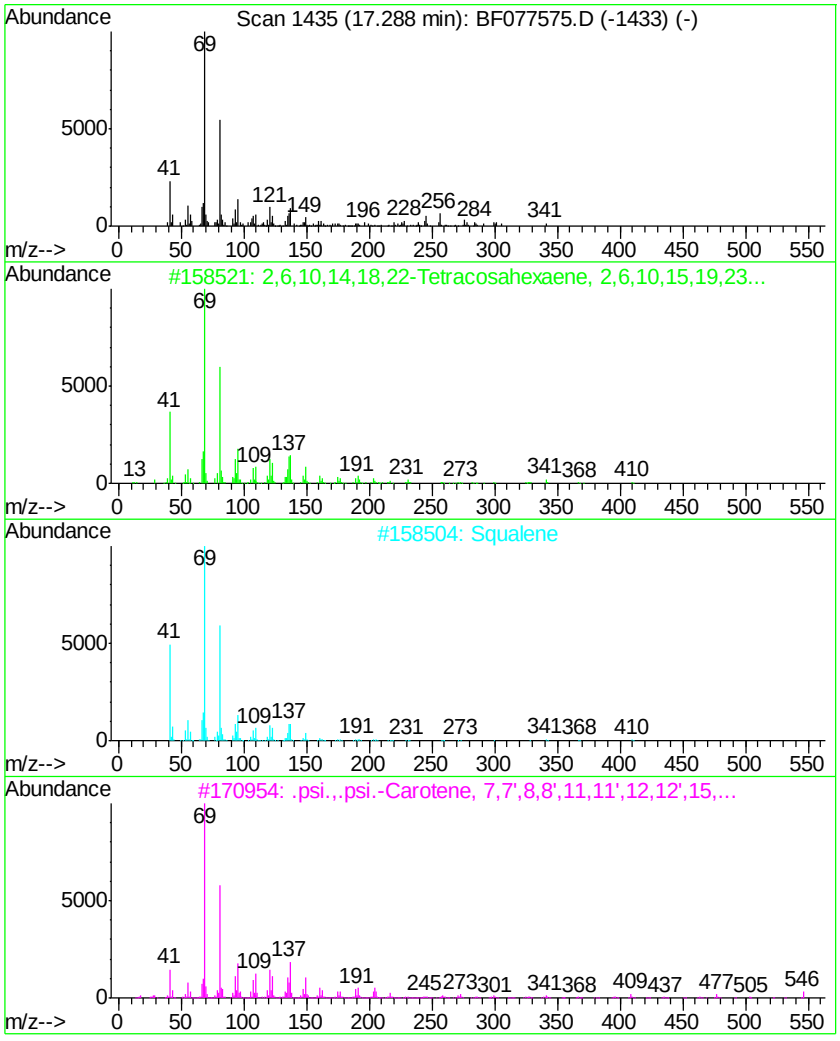
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

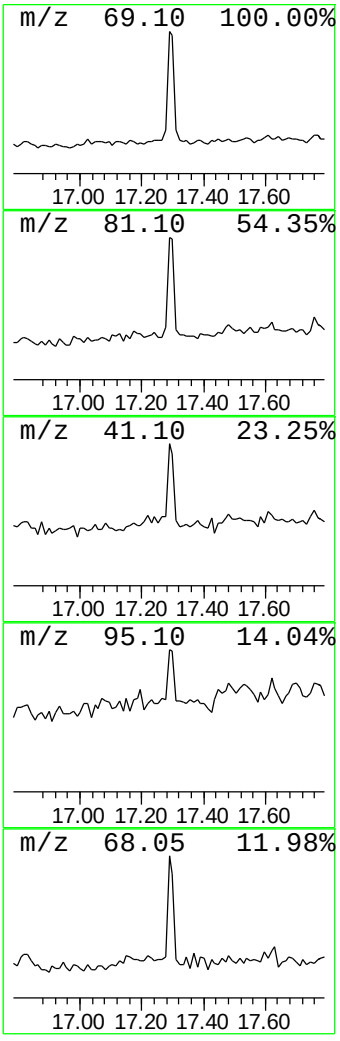
****

Peak Number 17 2,6,10,14,18,22-Tetracosahe... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	2.65 ng	157867	Perylene-d12	17.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	83
2	Squalene	410	C30H50	007683-64-9	83
3	.psi.,.psi.-Carotene, 7,7',8,8',...	547	C40H66	000502-62-5	72
4	2,6,10-Dodecatrienoic acid, 3,7,...	250	C16H26O2	004176-79-8	64
5	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

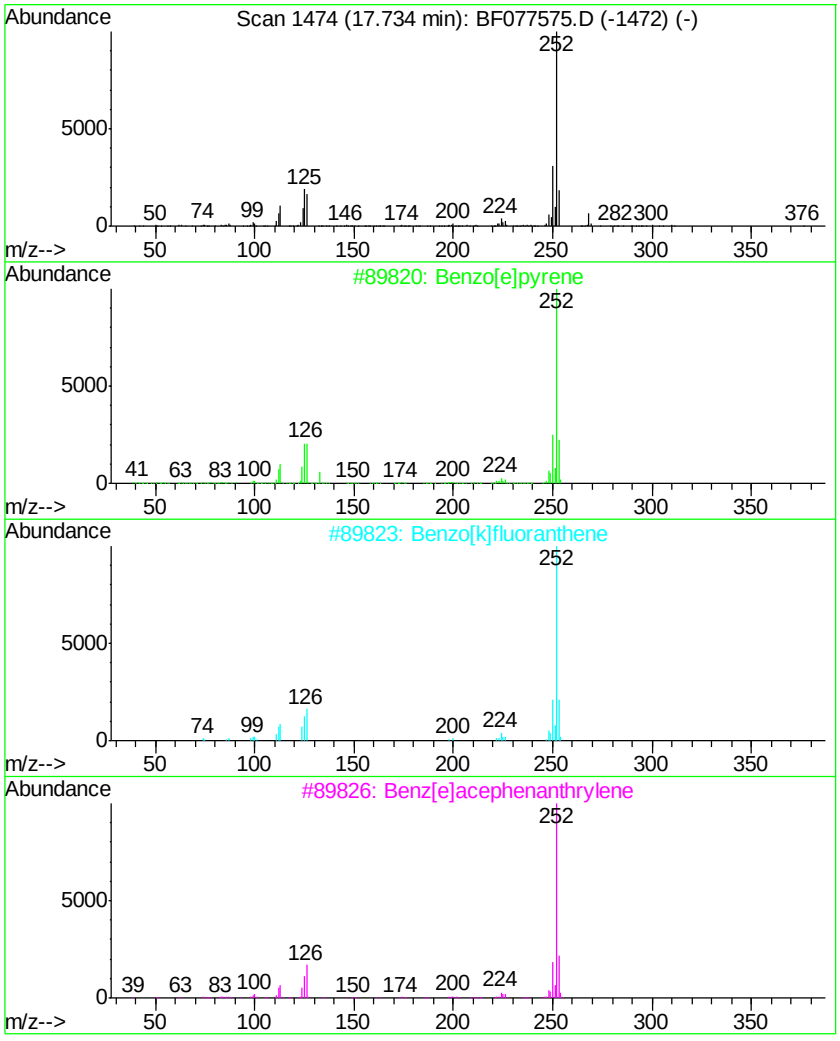
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

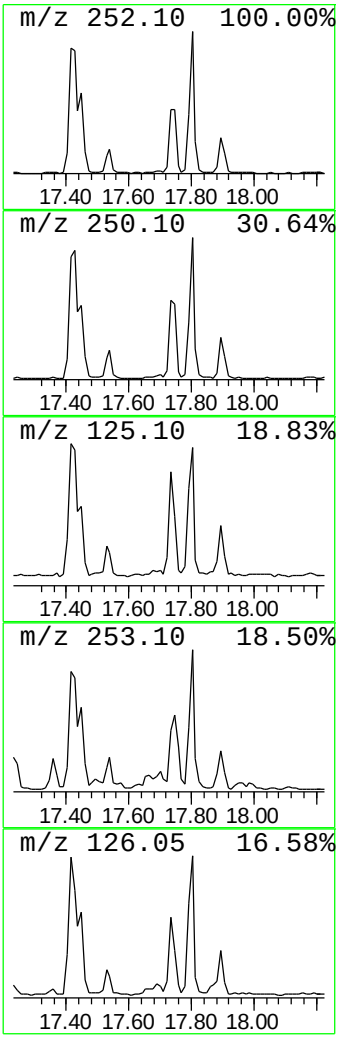
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	7.53 ng	448436	Perylene-d12	17.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Perylene	252	C20H12	000198-55-0	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

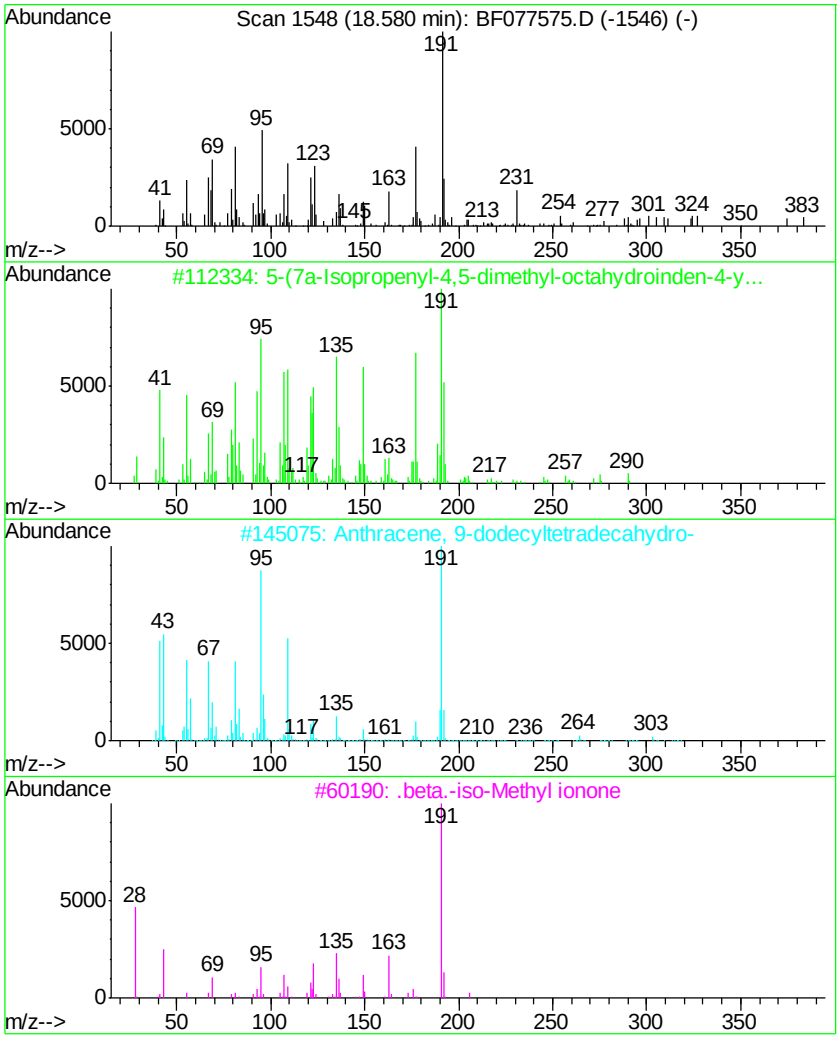
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

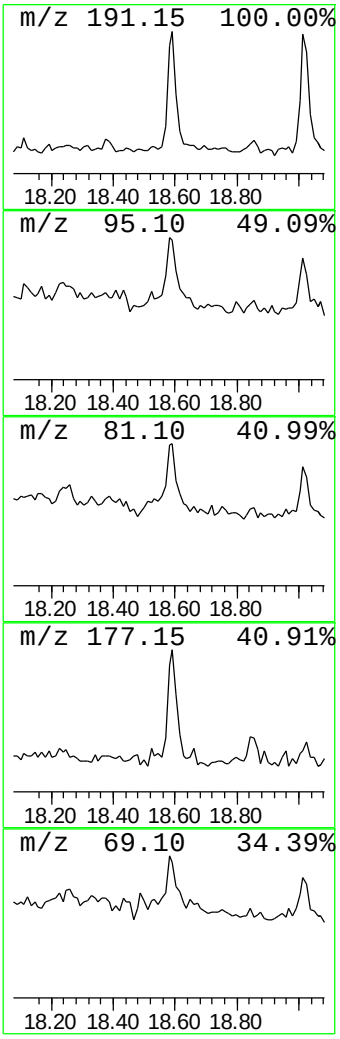
****

Peak Number 20 unknown18.58 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	3.42 ng	203920	Perylene-d12	17.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-(7a-Isopropenyl-4,5-dimethyl-o...	290	C20H34O	1000193-54-0	45
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	40
3	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	40
4	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38
5	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
Data File : BF077575.D
Acq On : 4 Mar 2015 6:13
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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
unknown1.40	1.40	168.2	ng	4616870	1	7.24	548915	20.0
Butane, 2-methoxy...	1.70	2.5	ng	70099	1	7.24	548915	20.0
2-Pentanone, 4-hy...	5.01	8.8	ng	242261	1	7.24	548915	20.0
unknown6.94	6.94	49.3	ng	1351840	1	7.24	548915	20.0
Naphthalene, 1-me...	9.81	2.7	ng	116912	2	8.81	852683	20.0
9H-Fluoren-9-one	12.59	3.4	ng	168074	4	12.83	988629	20.0
Dibenzothiophene	12.69	2.5	ng	125613	4	12.83	988629	20.0
Phenanthrene, 2-m...	13.46	3.6	ng	179671	4	12.83	988629	20.0
Phenanthrene, 1-m...	13.49	5.5	ng	271711	4	12.83	988629	20.0
4H-Cyclopenta[def...	13.60	6.3	ng	311776	4	12.83	988629	20.0
9,10-Anthracenedione	13.86	6.3	ng	312639	4	12.83	988629	20.0
11H-Benzo[b]fluorene	15.04	2.8	ng	351591	5	16.12	2481880	20.0
5,12-Naphthacened...	17.01	2.3	ng	139309	6	17.87	1191780	20.0
2,6,10,14,18,22-T...	17.29	2.6	ng	157867	6	17.87	1191780	20.0
Benzo[e]pyrene	17.73	7.5	ng	448436	6	17.87	1191780	20.0
unknown18.58	18.58	3.4	ng	203920	6	17.87	1191780	20.0