LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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	1.013	9	11	14	rVV	283158	276347	11.58%	0.834%
2	1.127	18	21	24	rVB	69561	85937	3.60%	0.259%
3	1.264	31	33	36	rVB	47781	52329	2.19%	0.158%
4	1.527	54	56	62	rVV	19633	29930	1.25%	0.090%
5	1.618	62	64	79	rVB	380184	627728	26.31%	1.895%
6	4.522	316	318	325	rBV	53340	73276	3.07%	0.221%
7	5.116	367	370	379	rBV	557033	640882	26.86%	1.935%
8	6.453	485	487	490	rBV	527296	664092	27.84%	2.005%
9	6.567	495	497	500	rBV	615678	706203	29.60%	2.132%
10	6.853	520	522	525	rBV	155816	206634	8.66%	0.624%
11	7.047	536	539	541	rBV	490872	541165	22.68%	1.634%
12	7.562	582	584	586	rBV	467864	436406	18.29%	1.318%
13	8.442	658	661	662	rBV	238867	302147	12.67%	0.912%
14	8.465	662	663	665	rVB	38083	27771	1.16%	0.084%
15	9.779	776	778	781	rVB	893002	899272	37.70%	2.715%
16	10.294	821	823	825	rBV	50717	46176	1.94%	0.139%
17	10.419	832	834	838	rVB	26374	27756	1.16%	0.084%
18	10.591	847	849	851	rBV	370949	376951	15.80%	1.138%
19	10.636	851	853	855	rVB	148557	175394	7.35%	0.530%
20	10.842	869	871	874	rBV	55636	73081	3.06%	0.221%
21	11.265	906	908	911	rVB	119391	116754	4.89%	0.353%
22	11.471	924	926	927	rBV	25641	25765	1.08%	0.078%
23	11.494	927	928	930	rVB	83423	77491	3.25%	0.234%
24	11.562	932	934	937	rBV2	434153	600998	25.19%	1.815%
25	11.791	951	954	959	rBV2	11803	30900	1.30%	0.093%
26	11.951	961	968	969	rBV2	21017	36607	1.53%	0.111%
27	12.122	981	983	984	rBV	13072	24086	1.01%	0.073%
28	12.179	986	988	991	rVV	45900	70545	2.96%	0.213%
29	12.248	992	994	996	rBV	30315	41046	1.72%	0.124%
30	12.282	996	997	1000	rVB	41121	53763	2.25%	0.162%
31	12.419	1007	1009	1010	rBV	395625	416696	17.47%	1.258%
32	12.454	1010	1012	1014	rVV	902395	1173117	49.17%	3.542%
33	12.511	1014	1017	1019	rVV	374037	365838	15.34%	1.105%
34	12.557	1019	1021	1024	rVB	24163	38459	1.61%	0.116%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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	12.682	1031	1032	1034	rVB	30378	28066	1.18%	0.085%
36	12.728	1034	1036	1037	rBV	133594	144299	6.05%	0.436%
37	12.808	1040	1043	1044	rBV	29057	30071	1.26%	0.091%
38	12.934	1050	1054	1056	rVB2	12324	30543	1.28%	0.092%
39	13.048	1061	1064	1065	rBV	100025	126613	5.31%	0.382%
40	13.082	1065	1067	1069	rVB	127741	175672	7.36%	0.530%
41	13.140	1069	1072	1073	rBV	70581	82155	3.44%	0.248%
42	13.174	1073	1075	1077	rVV	295390	356622	14.95%	1.077%
43	13.208	1077	1078	1080	rVB	83857	64695	2.71%	0.195%
44	13.311	1082	1087	1092	rBV6	18714	74887	3.14%	0.226%
45	13.380	1092	1093	1095	rVV2	28606	26910	1.13%	0.081%
46	13.425	1095	1097	1101	rVB2	93171	216099	9.06%	0.653%
47	13.597	1111	1112	1114	rBV2	26715	31759	1.33%	0.096%
48	13.642	1114	1116	1117	rBV	26432	27802	1.17%	0.084%
49	13.722	1121	1123	1125	rBV	65466	104476	4.38%	0.315%
50	13.768	1125	1127	1130	rVV	39627	60745	2.55%	0.183%
51	13.825	1130	1132	1135	rVB	58879	88360	3.70%	0.267%
52	13.917	1137	1140	1142	rBV	2142944	2273938	95.32%	6.866%
53	13.997	1145	1147	1149	rBV	53427	68542	2.87%	0.207%
54	14.031	1149	1150	1153	rVB3	25756	27113	1.14%	0.082%
55	14.088	1153	1155	1157	rBV	98603	126531	5.30%	0.382%
56	14.191	1161	1164	1166	rBV	1995794	2385601	100.00%	7.203%
57	14.260	1168	1170	1172	rBV	70357	75018	3.14%	0.227%
58	14.351	1175	1178	1179	rBV	138185	157500	6.60%	0.476%
59	14.408	1179	1183	1185	rBV2	1011737	1148745	48.15%	3.469%
60	14.477	1185	1189	1191	rBV2	113857	215868	9.05%	0.652%
61	14.603	1196	1200	1202	rBV2	206193	461377	19.34%	1.393%
62	14.648	1202	1204	1205	rBV	21313	24221	1.02%	0.073%
63	14.694	1205	1208	1209	rBV	218263	241143	10.11%	0.728%
64	14.728	1209	1211	1213	rVV2	176817	257795	10.81%	0.778%
65	14.808	1217	1218	1219	rVV	51569	43392	1.82%	0.131%
66	14.843	1219	1221	1222	rVB	75183	75133	3.15%	0.227%
67	14.877	1222	1224	1227	rBV	63872	82736	3.47%	0.250%
68	15.140	1246	1247	1250	rVB	63096	52478	2.20%	0.158%
69	15.231	1253	1255	1259	rVB	166400	201610	8.45%	0.609%
70	15.368	1264	1267	1268	rBV	233149	288060	12.07%	0.870%
71	15.403	1268	1270	1273	rVV2	202272	457491	19.18%	1.381%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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	15.460	1273	1275	1276	rVV	134834	219881	9.22%	0.664%
73	15.494	1276	1278	1281	rVB	208479	262948	11.02%	0.794%
74	15.597	1283	1287	1289	rBV3	88889	212212	8.90%	0.641%
75	15.677	1289	1294	1296	rVV2	1125253	2213715	92.79%	6.684%
76	15.711	1296	1297	1299	rVV	885940	1010736	42.37%	3.052%
77	15.746	1299	1300	1302	rVV2	54620	86380	3.62%	0.261%
78	15.803	1302	1305	1307	rVB	224781	279665	11.72%	0.844%
79	15.928	1314	1316	1318	rVB2	147141	192940	8.09%	0.583%
80	15.974	1318	1320	1322	rBV	115832	138301	5.80%	0.418%
81	16.168	1334	1337	1339	rBV	171777	213939	8.97%	0.646%
82	16.203	1339	1340	1343	rVB	85859	104988	4.40%	0.317%
83	16.283	1344	1347	1348	rBV2	56686	91120	3.82%	0.275%
84	16.374	1353	1355	1357	rBV3	62024	91439	3.83%	0.276%
85	16.546	1367	1370	1372	rBV2	96447	163848	6.87%	0.495%
86	16.923	1400	1403	1408	rBV	1035819	2222032	93.14%	6.710%
87	17.026	1410	1412	1414	rVB	225540	254673	10.68%	0.769%
88	17.209	1426	1428	1431	rBV	563483	752705	31.55%	2.273%
89	17.266	1431	1433	1436	rVB	731602	1019991	42.76%	3.080%
90	17.323	1436	1438	1440	rBV	290187	490746	20.57%	1.482%
91	17.494	1450	1453	1454	rBV2	79736	174642	7.32%	0.527%
92	18.409	1530	1533	1538	rVV2	118979	281489	11.80%	0.850%
93	18.546	1542	1545	1549	rVB2	446003	825929	34.62%	2.494%
94	18.694	1555	1558	1560	rBV	120219	236128	9.90%	0.713%
95	18.740	1560	1562	1565	rVB3	85257	150653	6.32%	0.455%
96	18.900	1573	1576	1583	rVB	385671	786275	32.96%	2.374%
97	19.083	1590	1592	1607	rVB2	140306	536234	22.48%	1.619%
98	20.683	1728	1732	1738	rVB2	119415	428120	17.95%	1.293%

Sum of corrected areas: 33117337

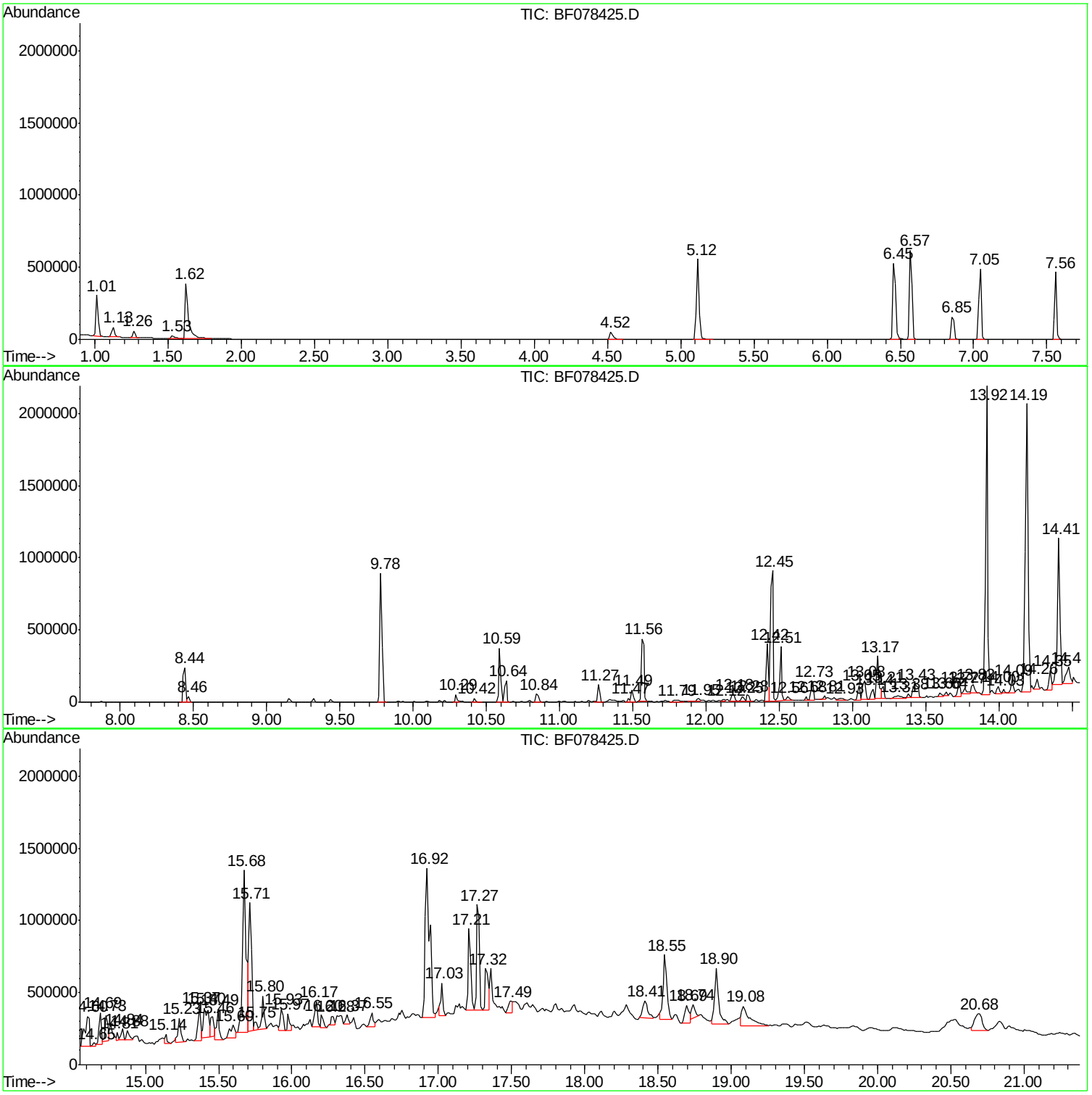
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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

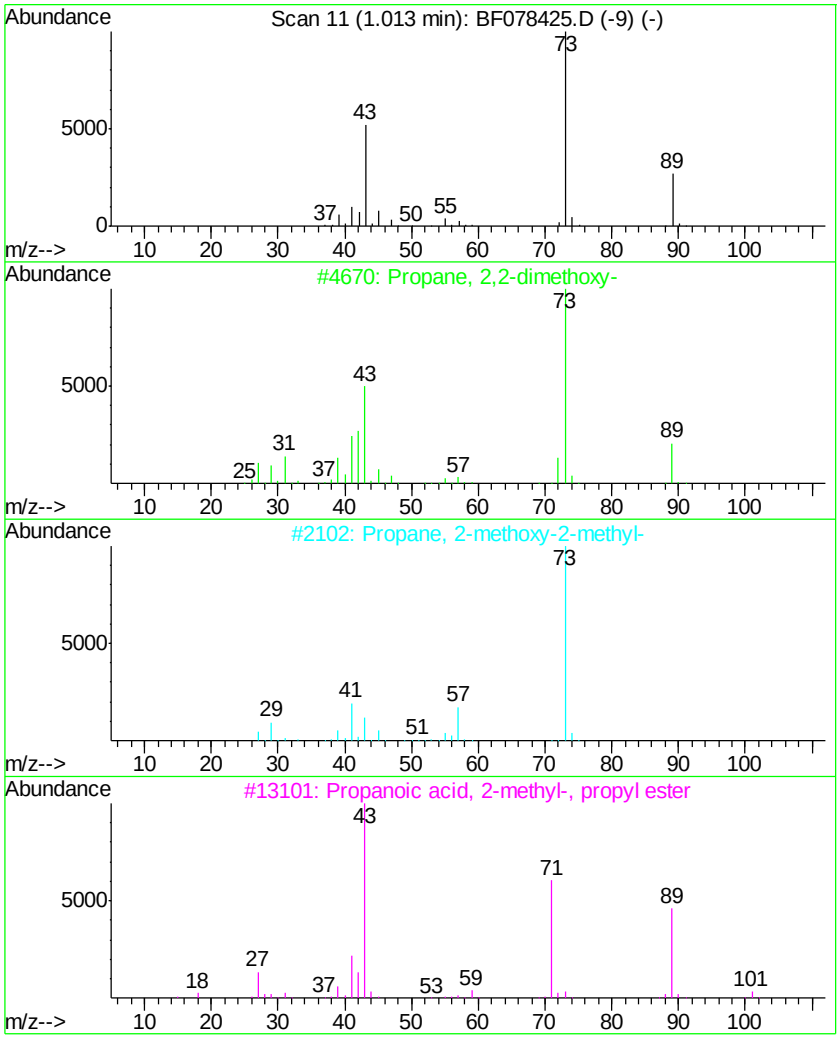
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

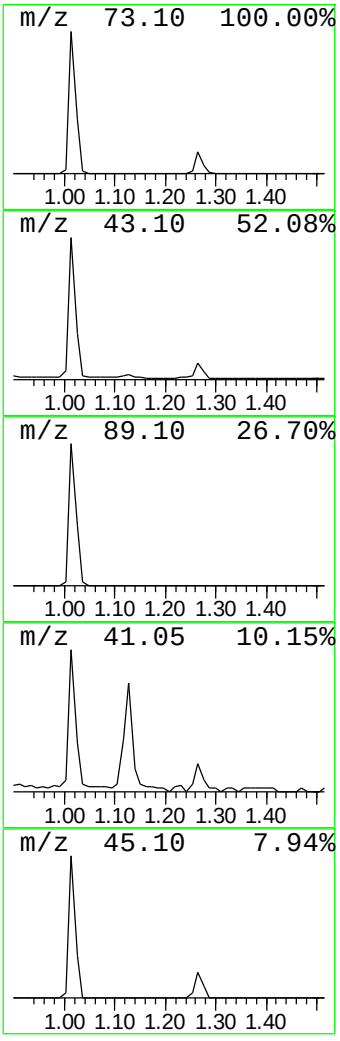
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.01	26.75 ng	276347	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	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	9
4	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	7





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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

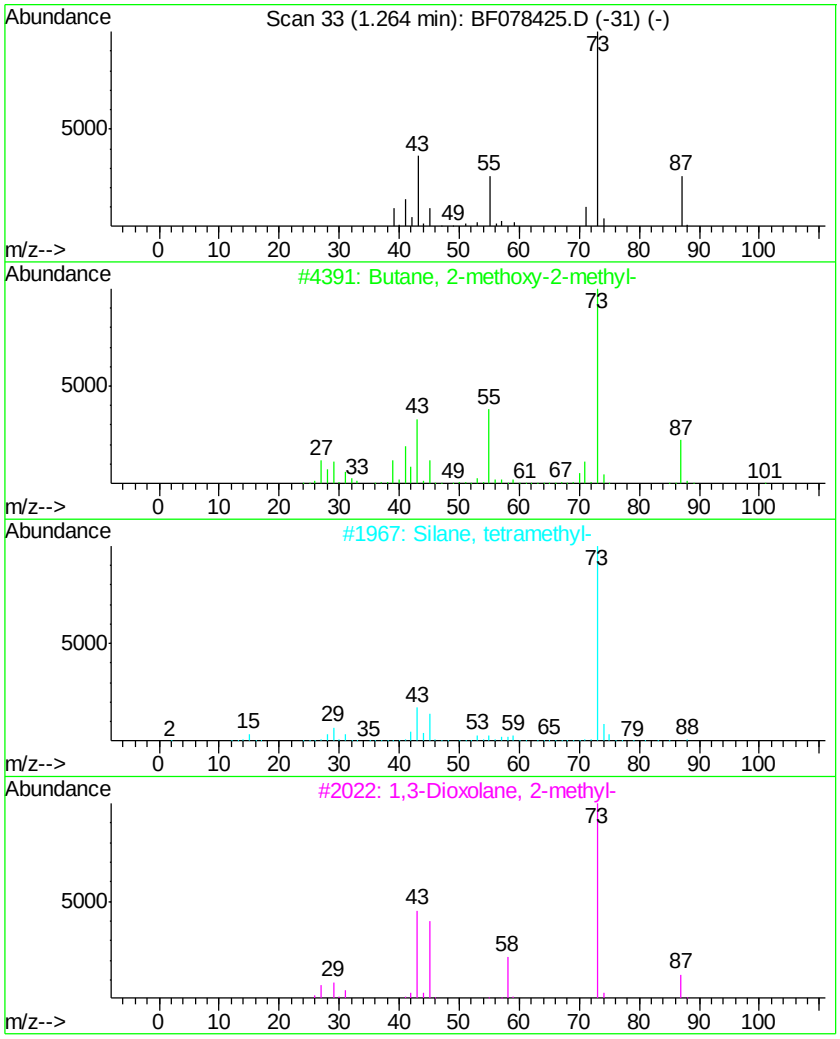
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

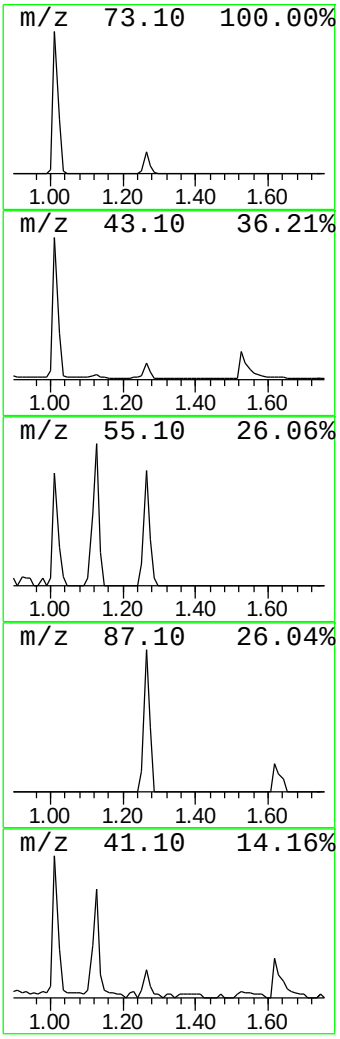
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.26	5.06 ng	52329	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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

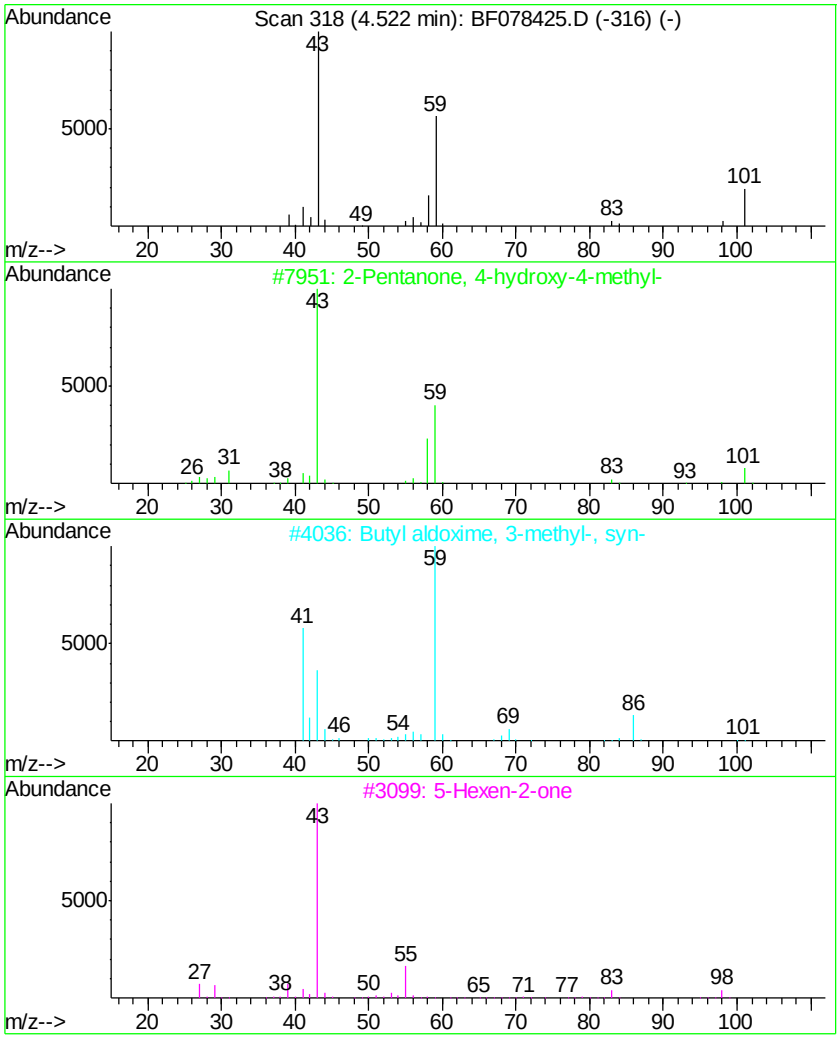
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

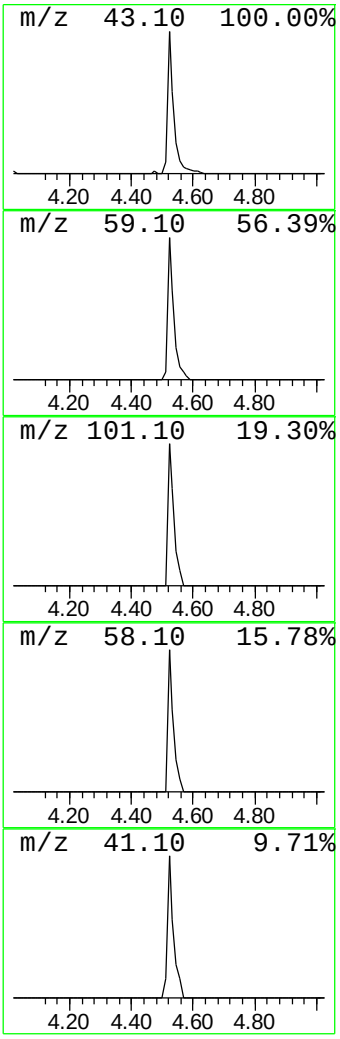
****

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.52	7.09 ng	73276	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	17
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5	1,3,4-Oxadiazole, 2-(acetyloxy)-...	172	C7H12N2O3	066398-57-0	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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

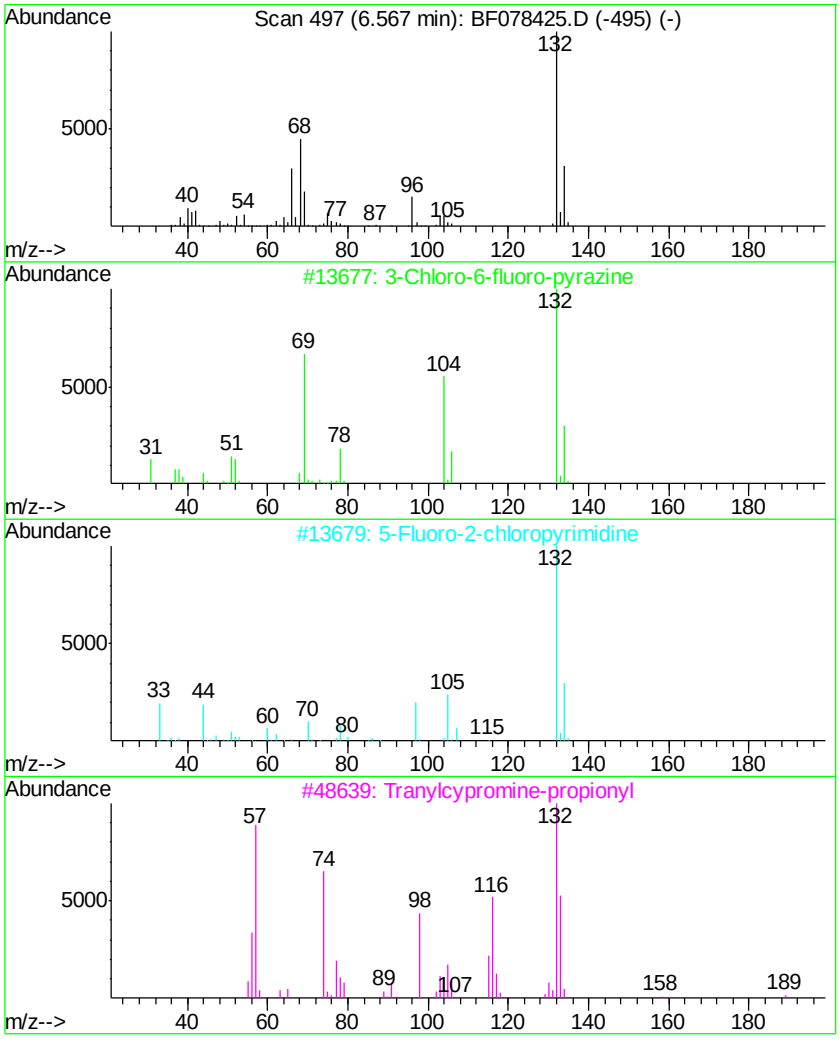
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

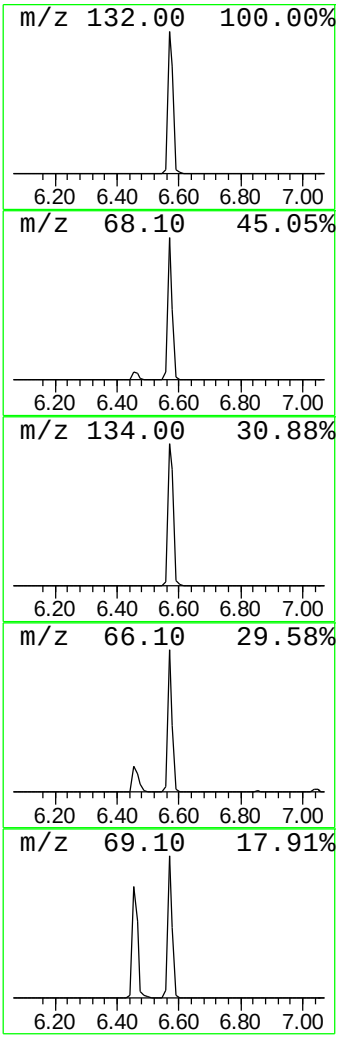
****

Peak Number 6 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	68.35 ng	706203	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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

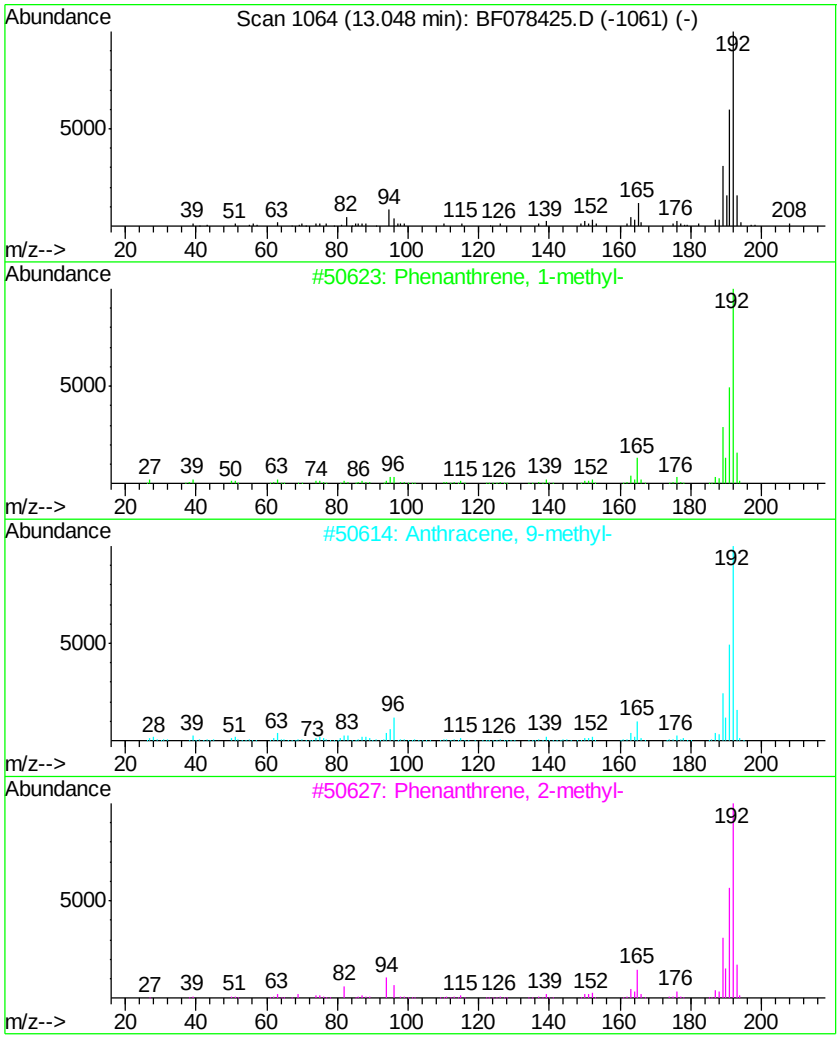
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

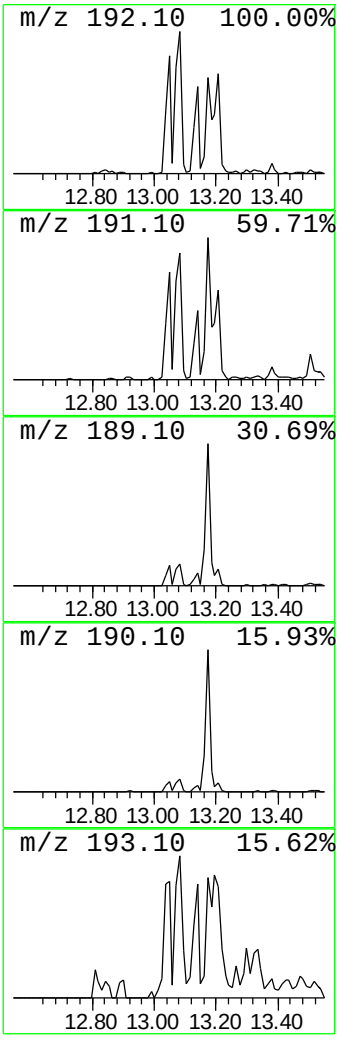
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	6.08 ng	126613	Phenanthrene-d10	12.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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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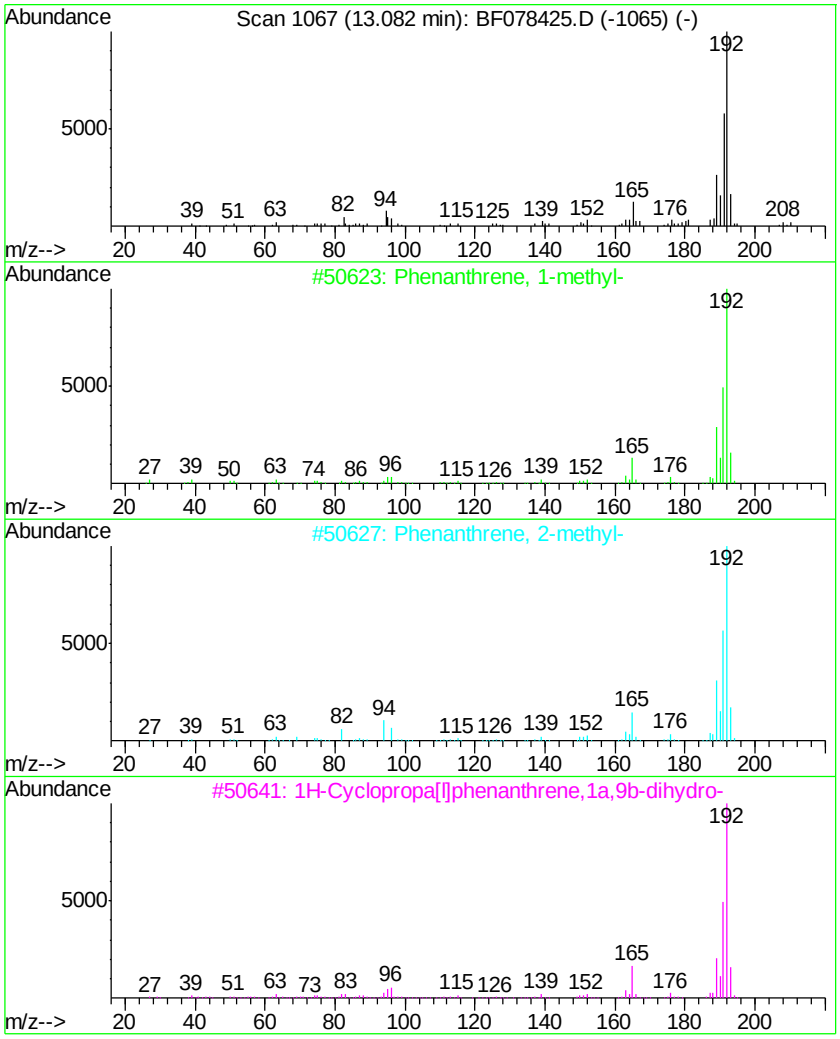
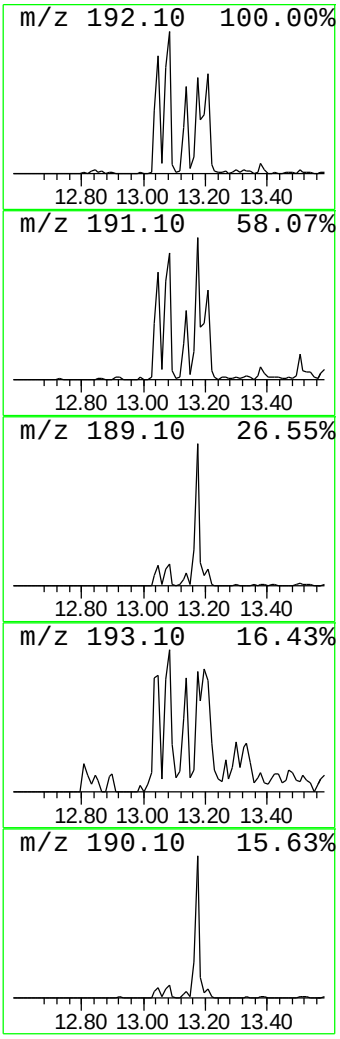
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	8.43 ng	175672	Phenanthrene-d10	12.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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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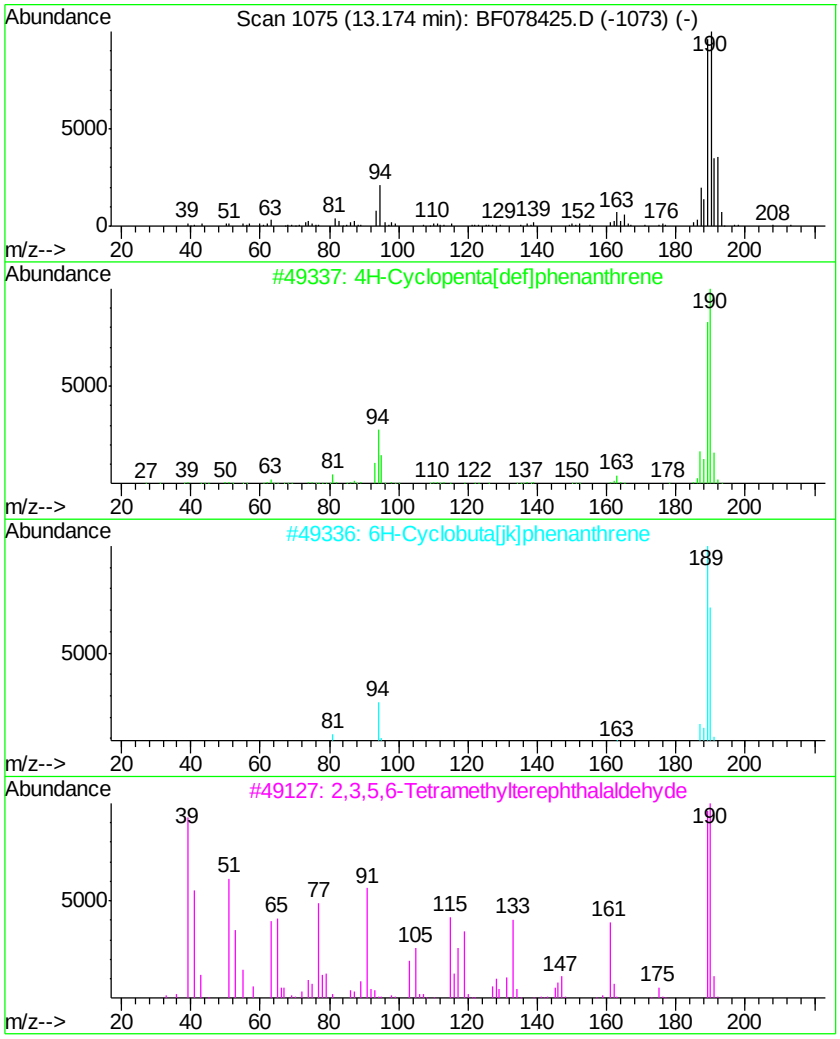
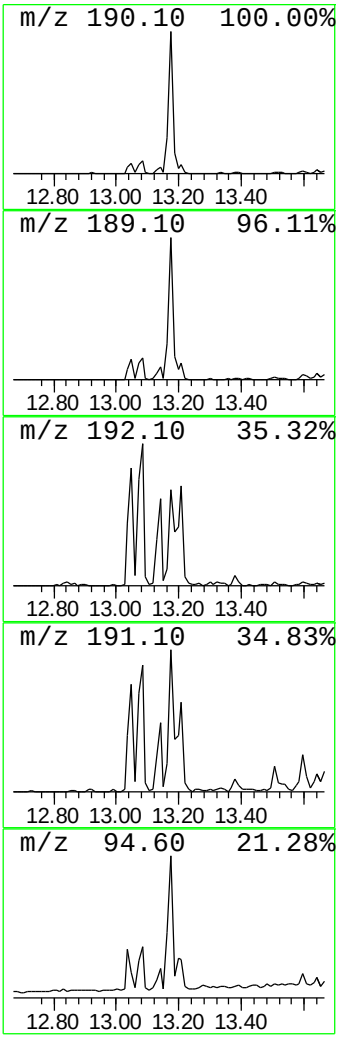
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	17.12 ng	356622	Phenanthrene-d10	12.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





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Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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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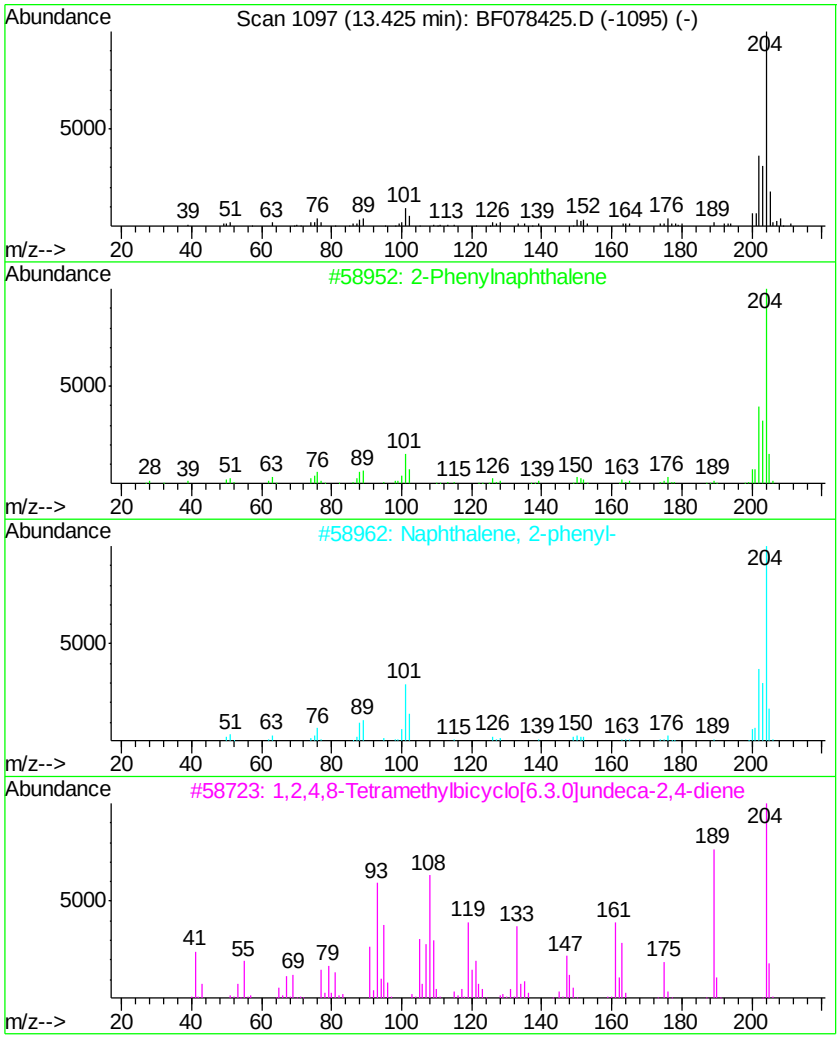
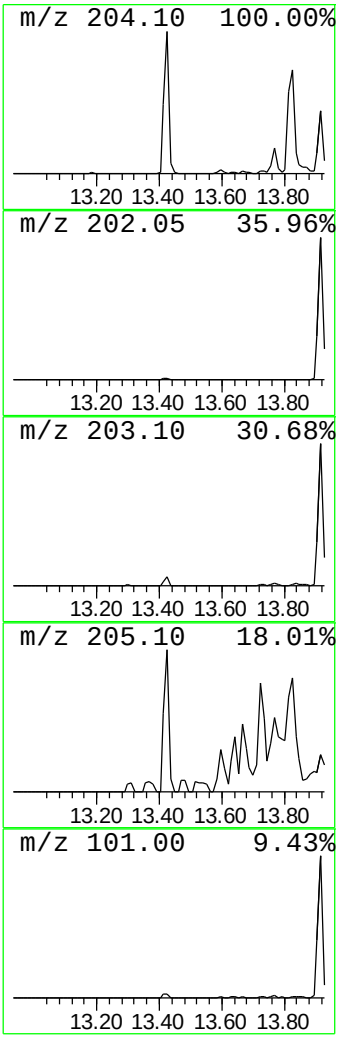
Peak Number 11 2-Phenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	10.37 ng	216099	Phenanthrene-d10	12.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	87
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	58





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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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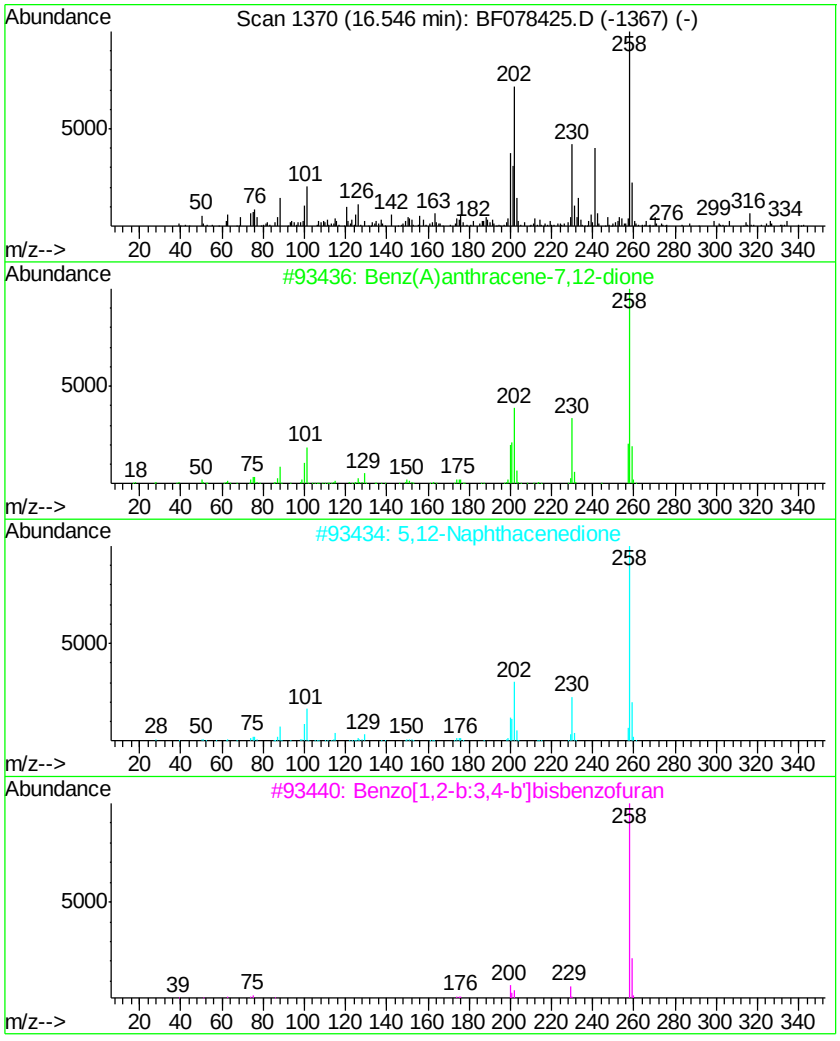
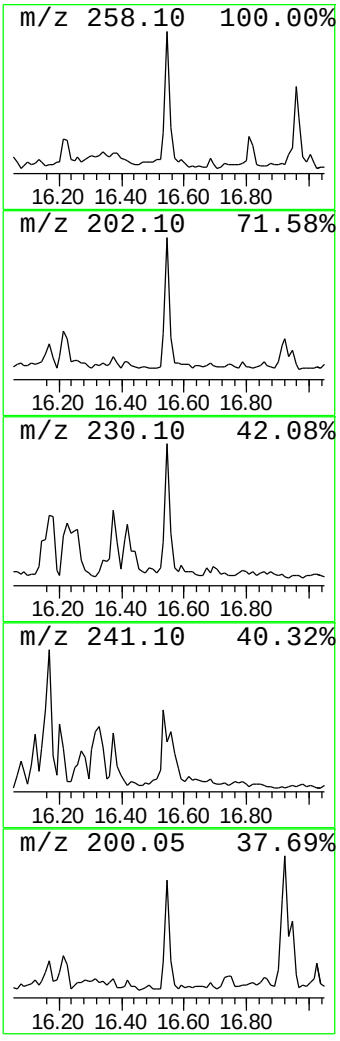
Peak Number 12 Benz(A)anthracene-7,12-dione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	6.68 ng	163848	Perylene-d12	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	94
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3	Benzo[1,2-b:3,4-b']bisbenzofuran	258	C18H10O2	000198-88-9	38
4	Benzo[2,1-b:3,4-b']bisbenzofuran	258	C18H10O2	000222-23-1	38
5	3,4'-Dicarboxydiphenyl ether	258	C14H10O5	062507-84-0	35





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Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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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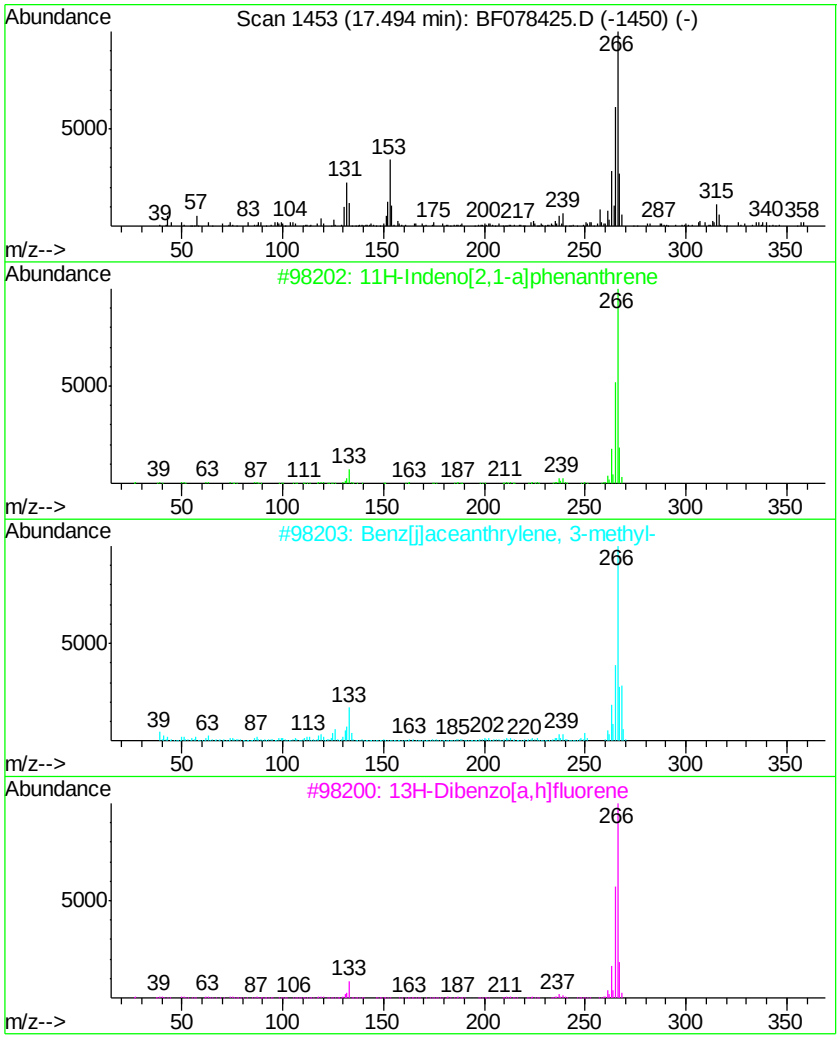
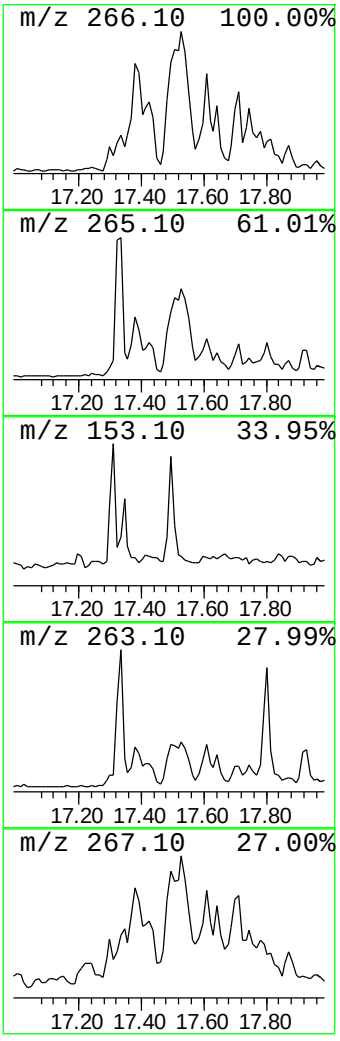
Peak Number 15 11H-Indeno[2,1-a]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	7.12 ng	174642	Perylene-d12	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	91
2	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	70
3	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	52
4	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	50
5	Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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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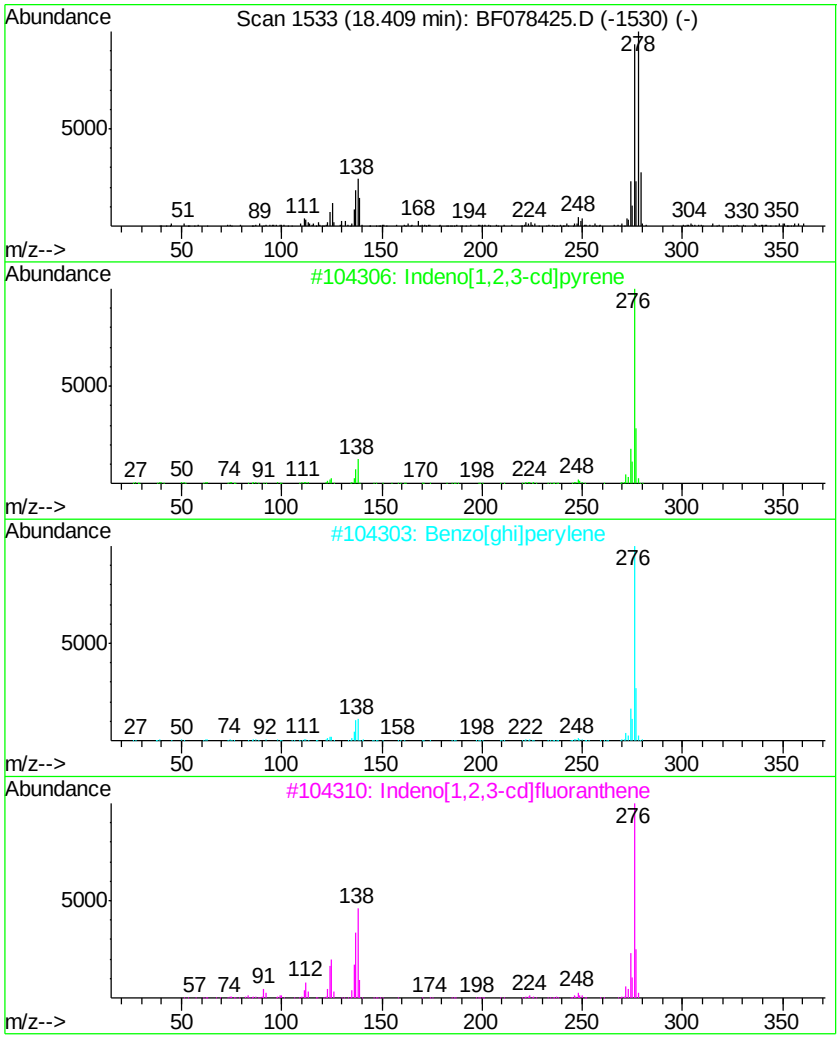
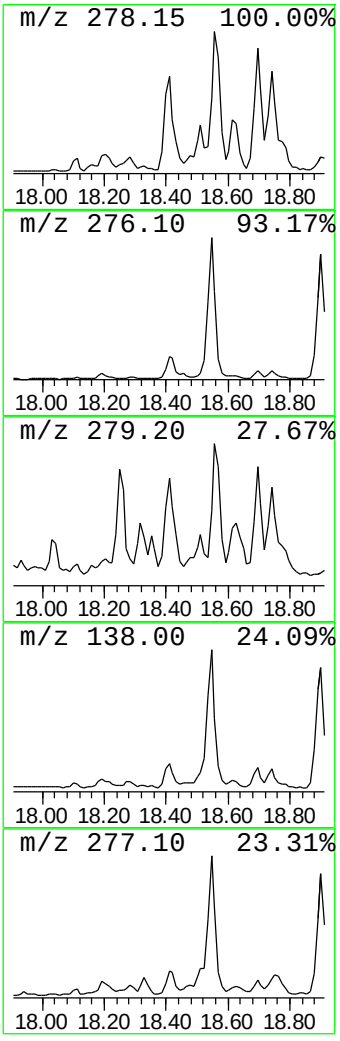
Peak Number 16 Indeno[1,2,3-cd]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	11.47 ng	281489	Perylene-d12	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	90
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	87
4	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	64
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	45





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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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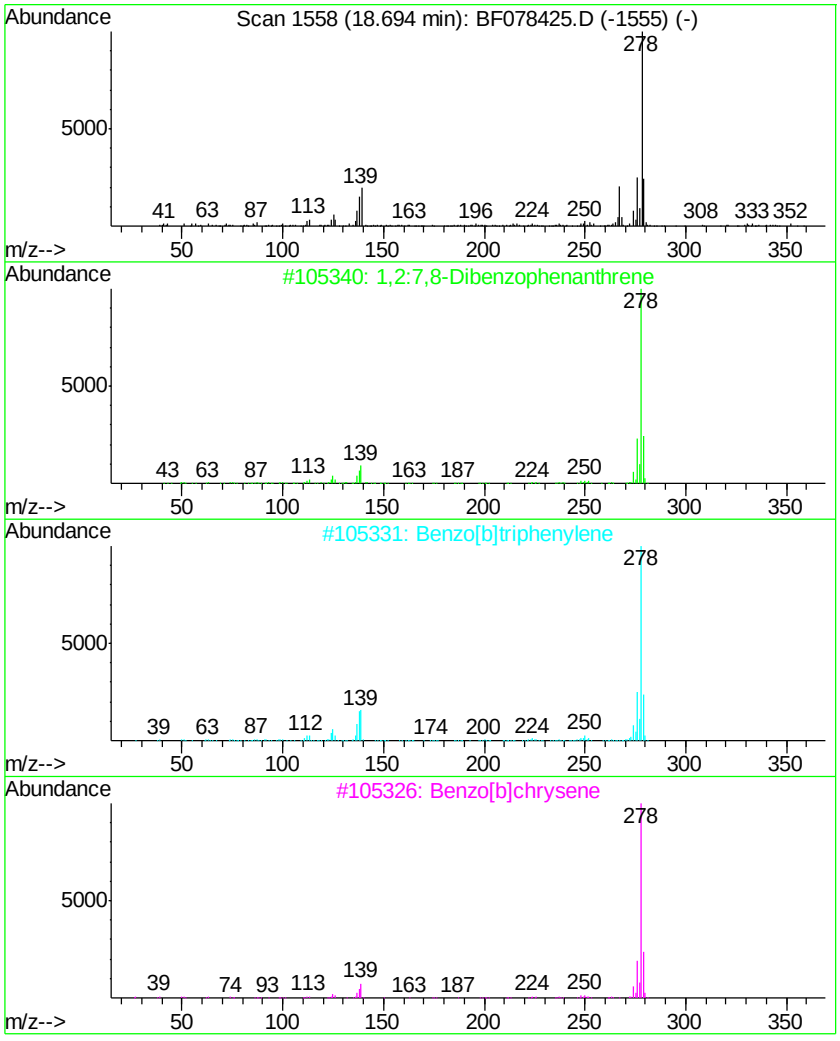
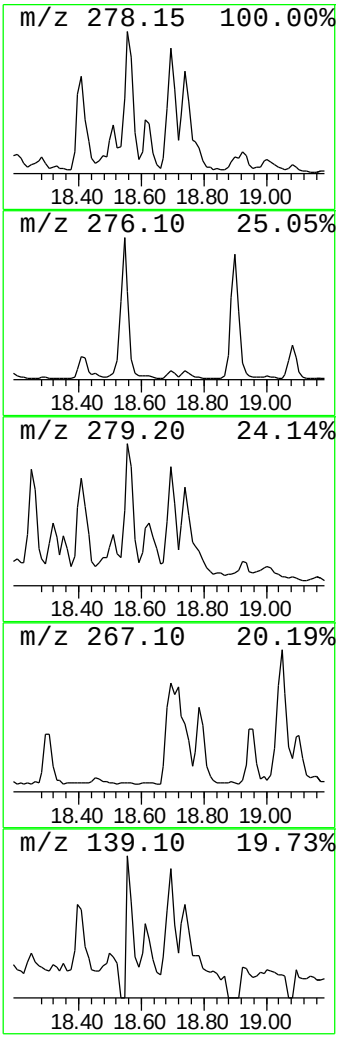
Peak Number 17 1,2:7,8-Dibenzophenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	9.62 ng	236128	Perylene-d12	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	Benzo[b]chrysene	278	C22H14	000214-17-5	95
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
5	Pentacene	278	C22H14	000135-48-8	93





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Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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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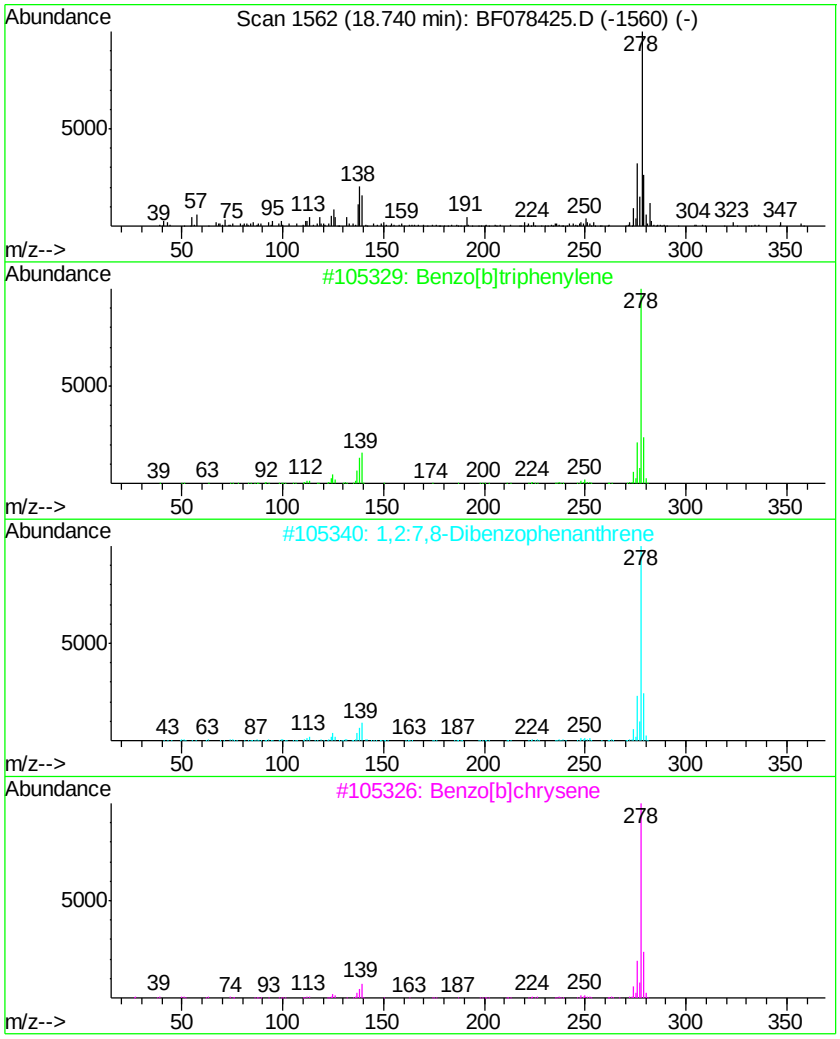
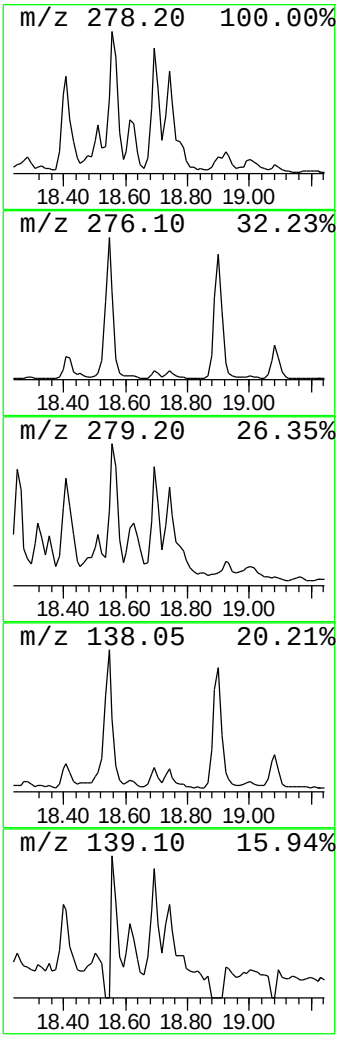
Peak Number 18 Benzo[b]triphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	6.14 ng	150653	Perylene-d12	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	95
3	Benzo[b]chrysene	278	C22H14	000214-17-5	89
4	Pentacene	278	C22H14	000135-48-8	76
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	76





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Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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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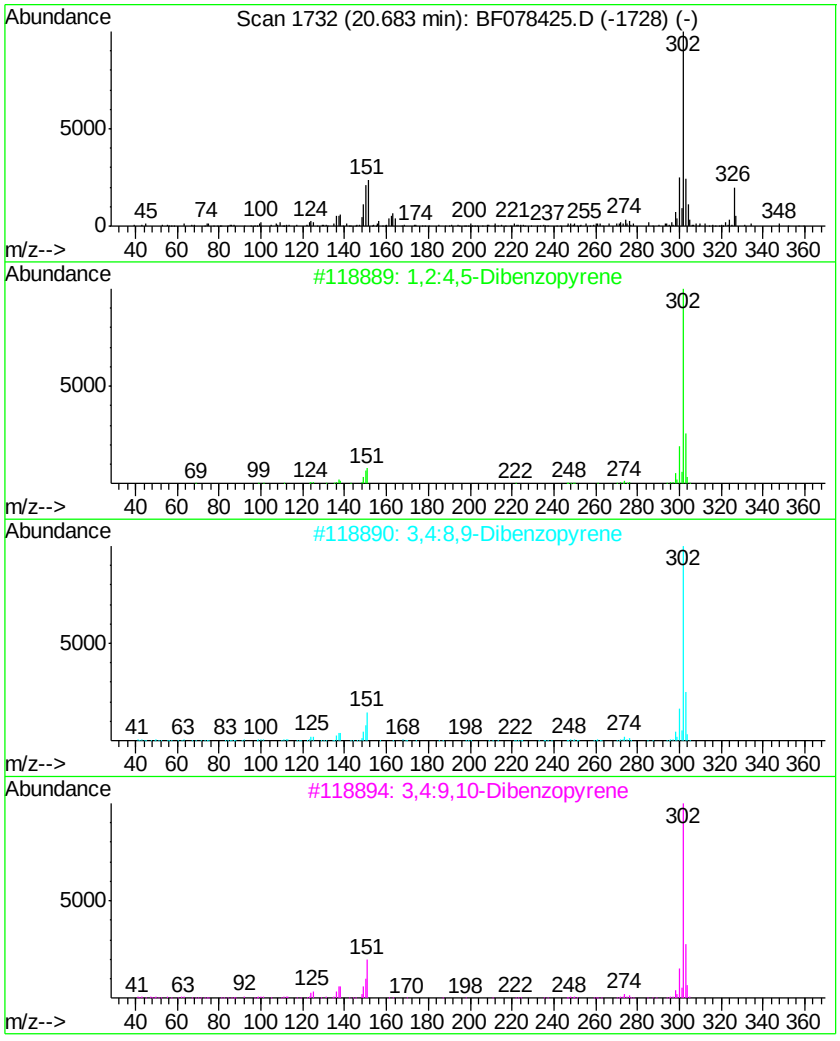
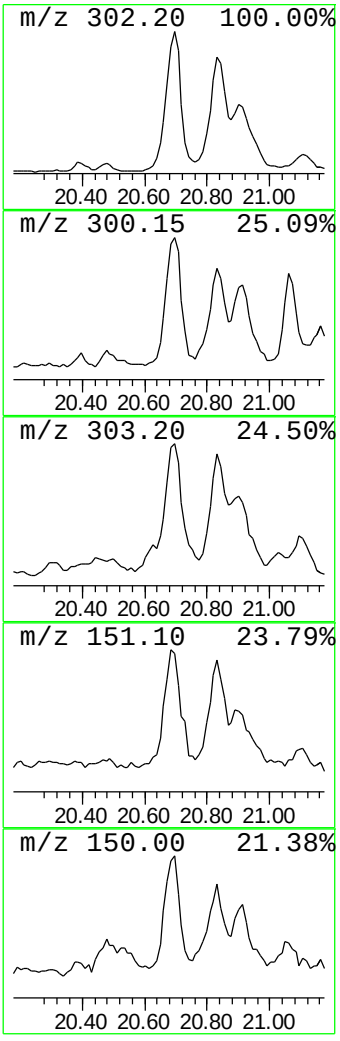
Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.68	17.45 ng	428120	Perylene-d12	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	97
3	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	97
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078425.D
Acq On : 11 Apr 2015 6:02
Operator : TP/IZ
Sample : G1823-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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...	1.01	26.8	ng	276347	1	6.86	206634	20.0
Butane, 2-methoxy...	1.26	5.1	ng	52329	1	6.86	206634	20.0
2-Pentanone, 4-hy...	4.52	7.1	ng	73276	1	6.86	206634	20.0
unknown6.57	6.57	68.3	ng	706203	1	6.86	206634	20.0
Phenanthrene, 1-m...	13.05	6.1	ng	126613	4	12.42	416696	20.0
Phenanthrene, 2-m...	13.08	8.4	ng	175672	4	12.42	416696	20.0
4H-Cyclopenta[def...	13.17	17.1	ng	356622	4	12.42	416696	20.0
2-Phenylnaphthalene	13.43	10.4	ng	216099	4	12.42	416696	20.0
Benz(A)anthracene...	16.55	6.7	ng	163848	6	17.32	490746	20.0
11H-Indeno[2,1-a]...	17.49	7.1	ng	174642	6	17.32	490746	20.0
Indeno[1,2,3-cd]p...	18.41	11.5	ng	281489	6	17.32	490746	20.0
1,2:7,8-Dibenzoph...	18.69	9.6	ng	236128	6	17.32	490746	20.0
Benzo[b]triphenylene	18.74	6.1	ng	150653	6	17.32	490746	20.0
1,2:4,5-Dibenzopy...	20.68	17.4	ng	428120	6	17.32	490746	20.0