LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079611.D
Acq On : 30 May 2015 19:12
Operator : TP/IZ
Sample : G2420-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.11(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-BF052615.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	1.553	30	32	39	rVV	125560	219318	7.09%	1.082%
2	1.655	39	41	69	rVB	1319069	3091406	100.00%	15.251%
3	4.650	301	303	310	rBV	34731	70676	2.29%	0.349%
4	5.222	351	353	371	rBV	772852	1268748	41.04%	6.259%
5	6.536	466	468	476	rBV	1061155	1339157	43.32%	6.607%
6	6.650	476	478	482	rVB	1213251	1388899	44.93%	6.852%
7	6.936	500	503	505	rBV	404099	416710	13.48%	2.056%
8	7.119	517	519	522	rBV	1121238	1051127	34.00%	5.186%
9	7.633	562	564	567	rBV	855199	799791	25.87%	3.946%
10	7.873	584	585	588	rVB	39899	40386	1.31%	0.199%
11	8.513	639	641	643	rBV	539069	551346	17.83%	2.720%
12	9.519	726	729	731	rBV2	18211	34214	1.11%	0.169%
13	9.862	756	759	761	rBV	1190052	1463320	47.34%	7.219%
14	10.365	801	803	806	rBV	94915	133227	4.31%	0.657%
15	10.674	822	830	833	rBV	667240	662371	21.43%	3.268%
16	11.656	913	916	918	rBV	912412	1053618	34.08%	5.198%
17	11.862	932	934	938	rBV	36987	59244	1.92%	0.292%
18	12.228	964	966	972	rVB	32263	44313	1.43%	0.219%
19	12.422	980	983	984	rBV	25295	35293	1.14%	0.174%
20	12.502	988	990	992	rVV	489019	622815	20.15%	3.073%
21	12.537	992	993	995	rVB	40328	33625	1.09%	0.166%
22	13.257	1053	1056	1059	rBV2	42569	92873	3.00%	0.458%
23	13.931	1112	1115	1118	rBV2	47224	58263	1.88%	0.287%
24	13.977	1118	1119	1120	rVV	42895	55680	1.80%	0.275%
25	14.011	1120	1122	1124	rVB	63828	77937	2.52%	0.384%
26	14.160	1132	1135	1137	rBV	54167	52322	1.69%	0.258%
27	14.285	1144	1146	1149	rBV	68373	75959	2.46%	0.375%
28	14.502	1162	1165	1168	rBV	1531373	1627712	52.65%	8.030%
29	14.617	1173	1175	1176	rBV2	22110	31244	1.01%	0.154%
30	14.651	1176	1178	1181	rBV2	21644	35990	1.16%	0.178%
31	14.731	1183	1185	1186	rVB	78244	101658	3.29%	0.502%
32	14.845	1191	1195	1198	rBV3	32362	64690	2.09%	0.319%
33	14.971	1204	1206	1207	rBV	96588	118166	3.82%	0.583%
34	14.994	1207	1208	1210	rVB	43852	45410	1.47%	0.224%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079611.D
Acq On : 30 May 2015 19:12
Operator : TP/IZ
Sample : G2420-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.11(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-BF052615.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.085	1214	1216	1219	rBV2	41373	70504	2.28%	0.348%
36	15.234	1224	1229	1231	rBV	85433	184981	5.98%	0.913%
37	15.360	1237	1240	1241	rBV2	43376	55605	1.80%	0.274%
38	15.405	1243	1244	1247	rBV3	20122	37061	1.20%	0.183%
39	15.485	1247	1251	1258	rBV10	15663	79538	2.57%	0.392%
40	15.588	1258	1260	1263	rBV4	40680	66669	2.16%	0.329%
41	15.680	1266	1268	1274	rBV	171653	253521	8.20%	1.251%
42	15.783	1274	1277	1279	rBV	632108	794021	25.68%	3.917%
43	15.840	1280	1282	1285	rVB	658075	910251	29.44%	4.491%
44	16.114	1304	1306	1309	rVB	50253	61963	2.00%	0.306%
45	17.040	1385	1387	1393	rBV	48940	163852	5.30%	0.808%
46	17.406	1417	1419	1422	rBV	39274	49084	1.59%	0.242%
47	17.463	1422	1424	1427	rBV	583735	725220	23.46%	3.578%

Sum of corrected areas: 20269778

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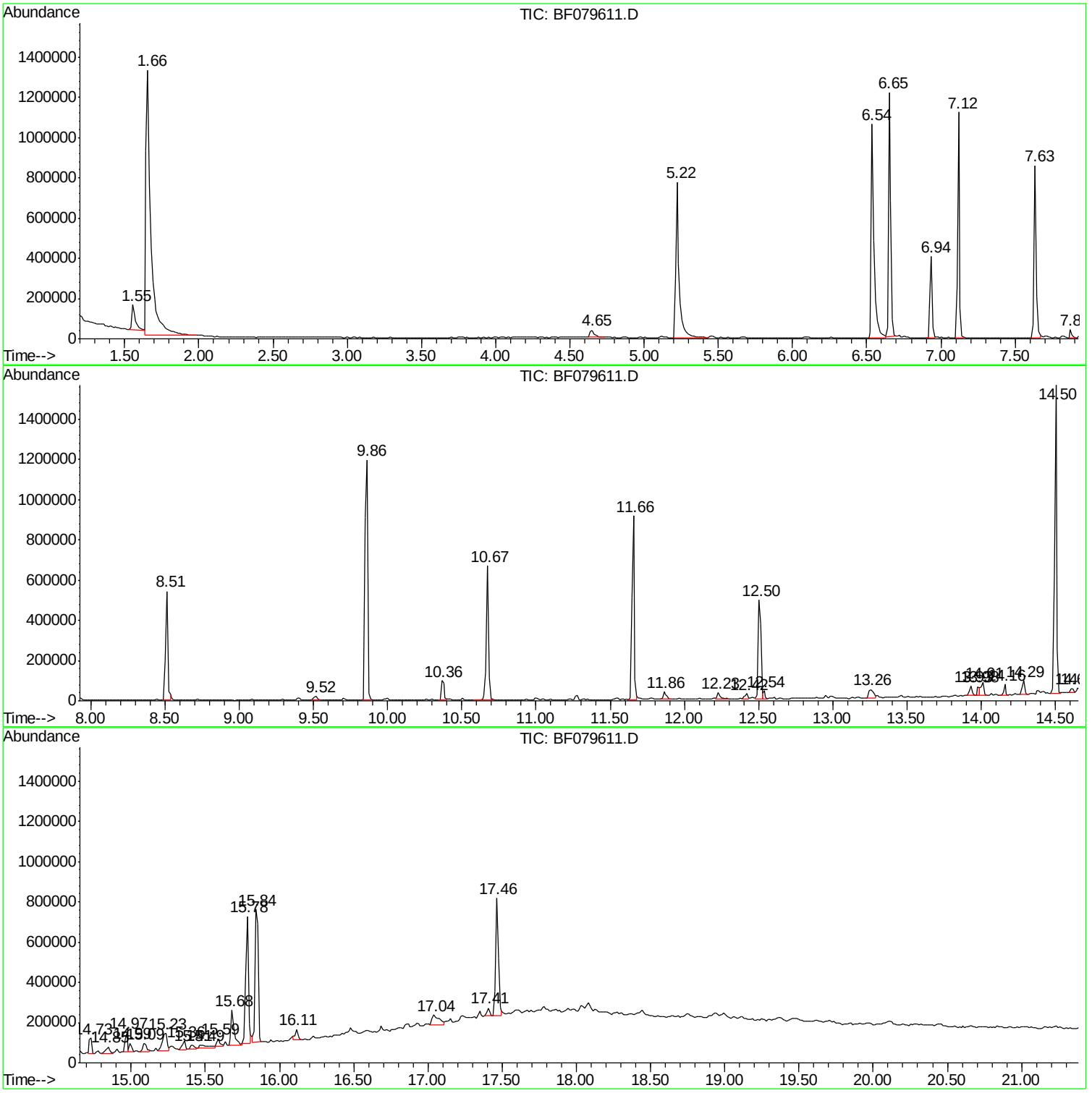
Acq On : 30 May 2015 19:12
Operator : TP/IZ
Sample : G2420-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PENRD8.11(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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\BF053015\
Data File : BF079611.D
Acq On : 30 May 2015 19:12
Operator : TP/IZ
Sample : G2420-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.11(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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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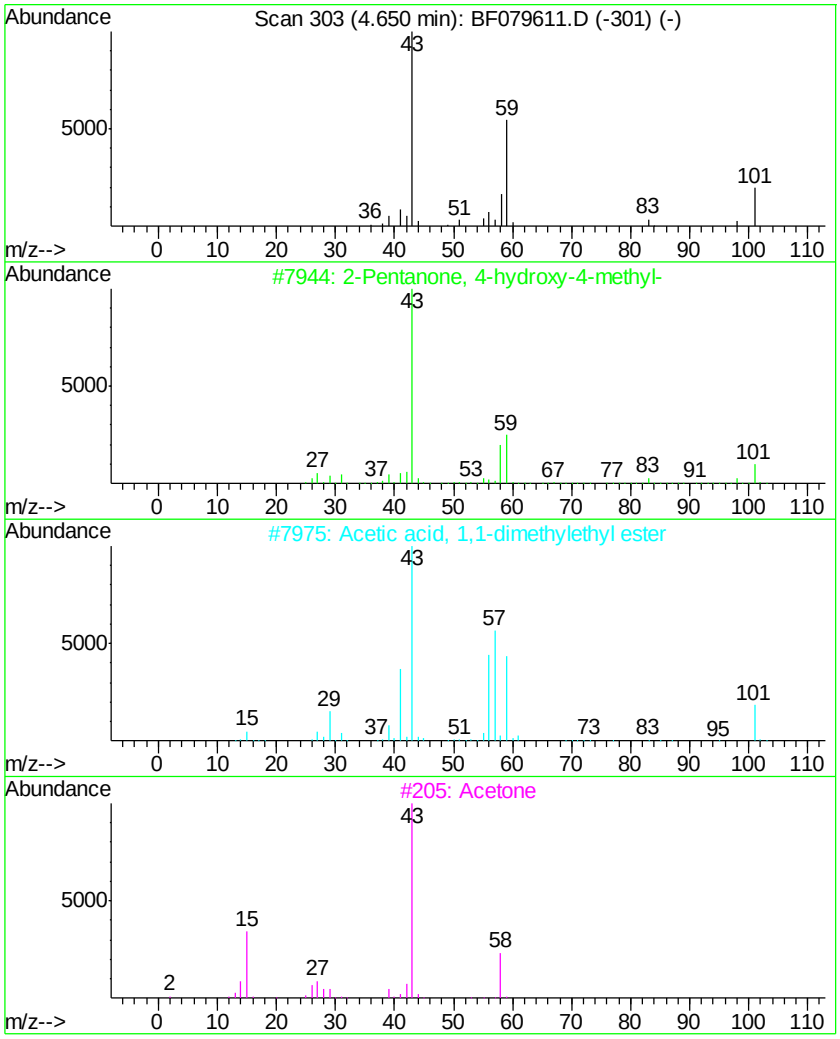
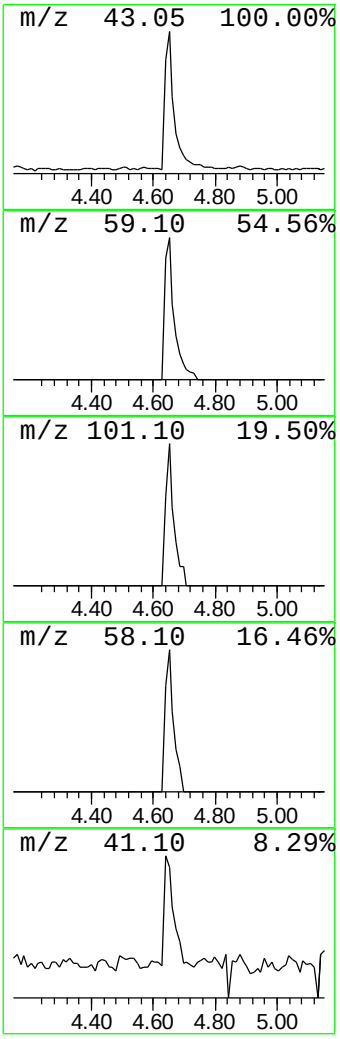
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.65	3.39 ng	70676	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Acetone	58	C3H6O	000067-64-1	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079611.D
Acq On : 30 May 2015 19:12
Operator : TP/IZ
Sample : G2420-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.11(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

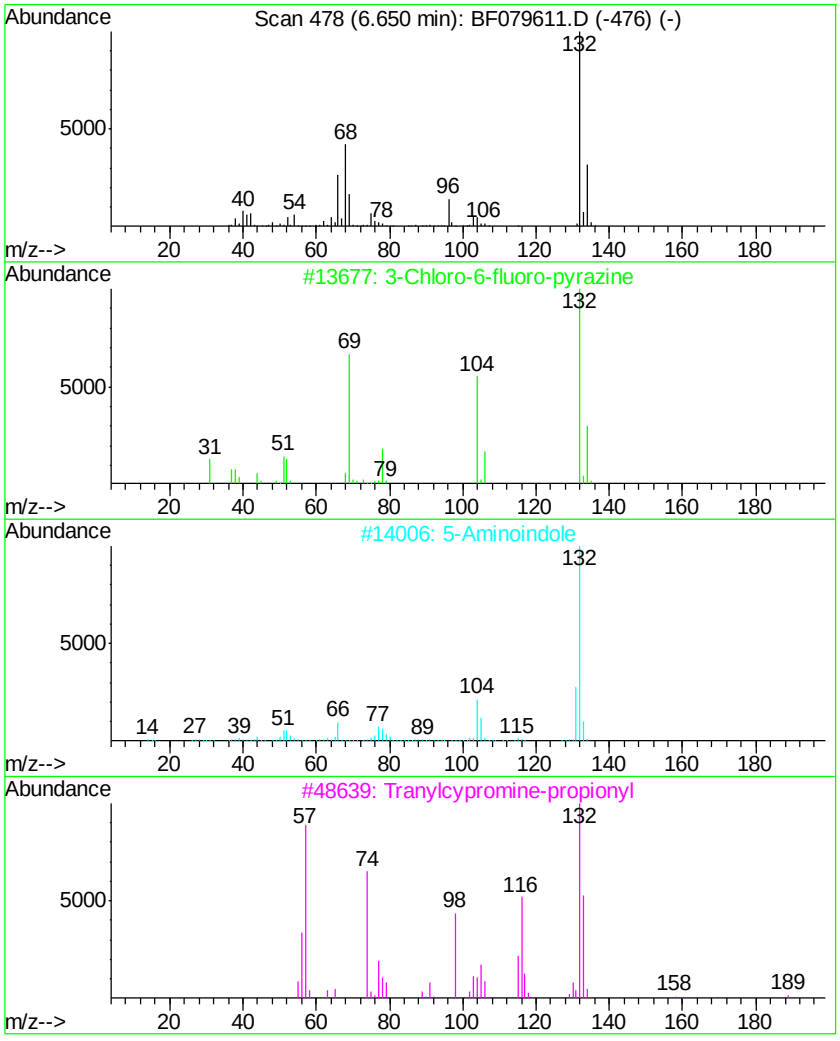
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

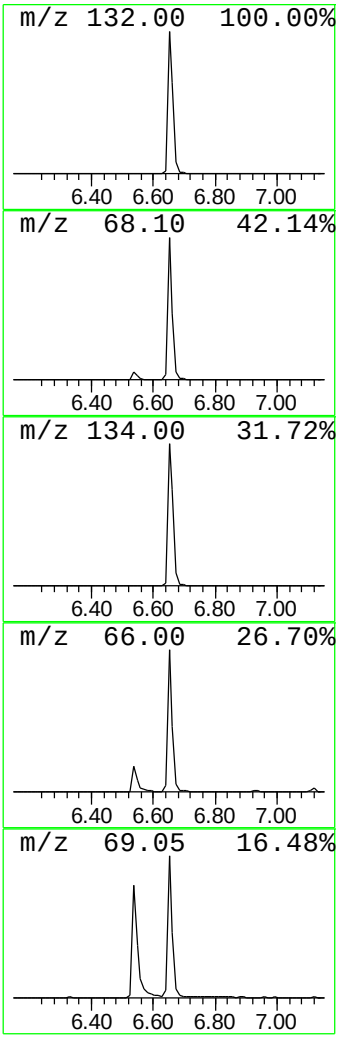
****

Peak Number 4 unknown6.65 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	66.66 ng	1388900	1,4-Dichlorobenzene-d4	6.94

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079611.D
Acq On : 30 May 2015 19:12
Operator : TP/IZ
Sample : G2420-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.11(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

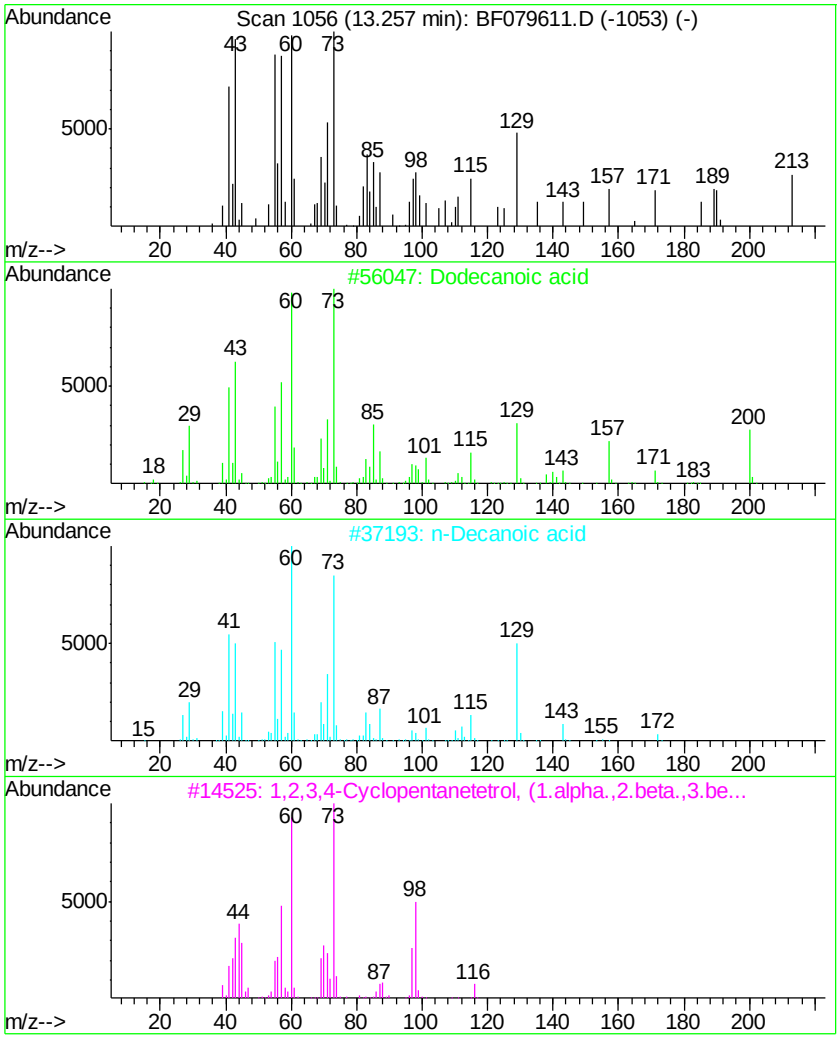
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

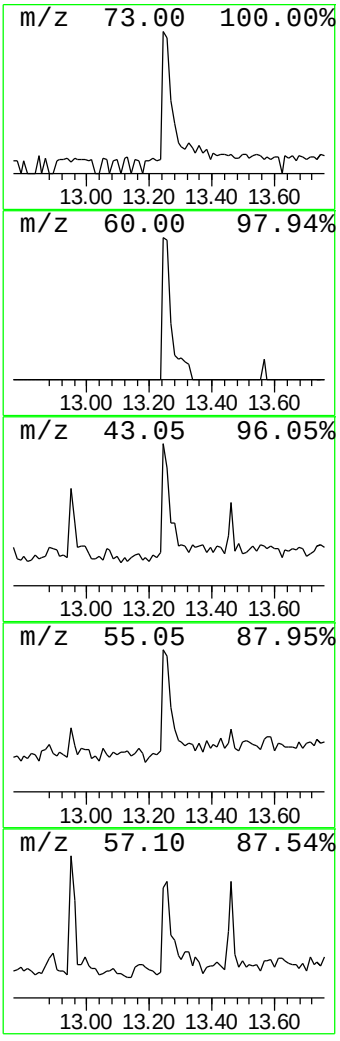
****

Peak Number 6 Dodecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.98 ng	92873	Phenanthrene-d10	12.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	50
2	n-Decanoic acid	172	C10H20O2	000334-48-5	47
3	1,2,3,4-Cyclopentanetetrol, (1.a...	134	C5H10O4	014003-71-5	35
4	.alpha.-D-Glucopyranose, 4-O-.be...	342	C12H22O11	014641-93-1	32
5	.beta.-D-Glucopyranoside, methyl...	292	C14H28O6	1000157-04-9	32





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079611.D
Acq On : 30 May 2015 19:12
Operator : TP/IZ
Sample : G2420-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.11(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

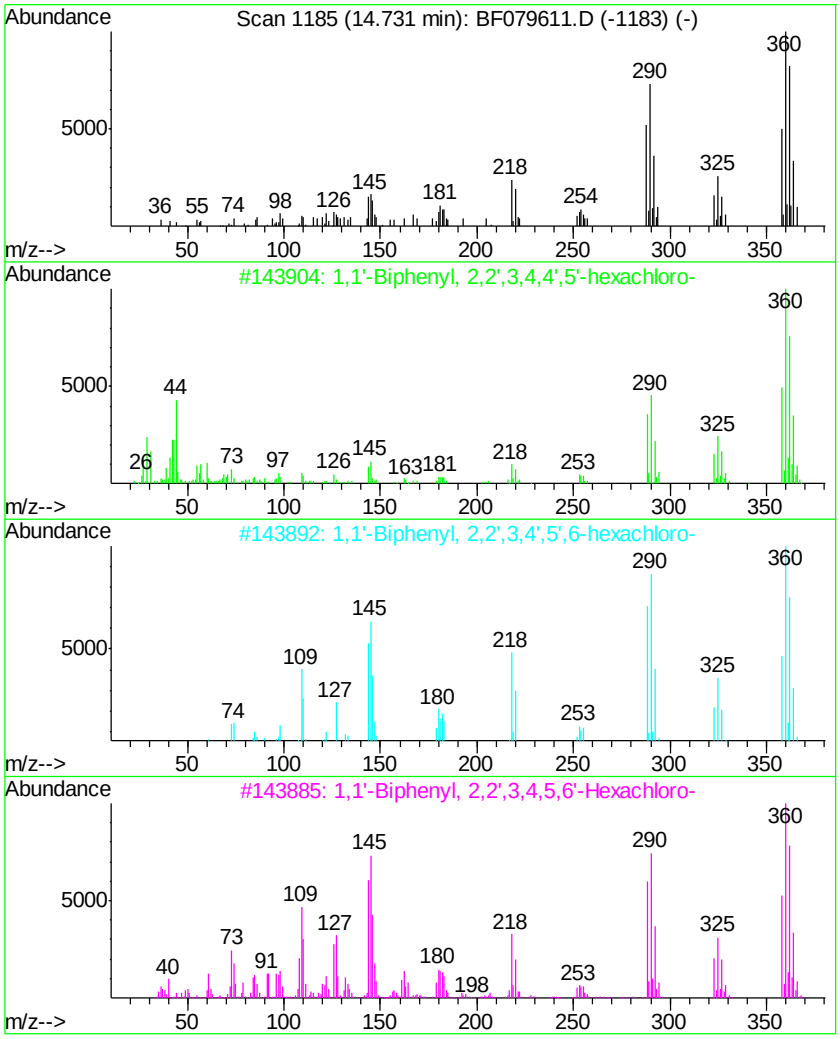
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

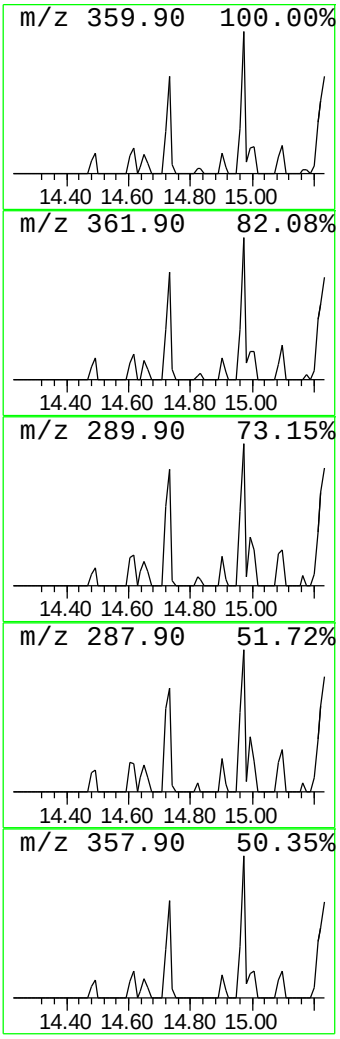
****

Peak Number 7 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	2.56 ng	101658	Chrysene-d12	15.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
2	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
3	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
4	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
5	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	99





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079611.D
Acq On : 30 May 2015 19:12
Operator : TP/IZ
Sample : G2420-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.11(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

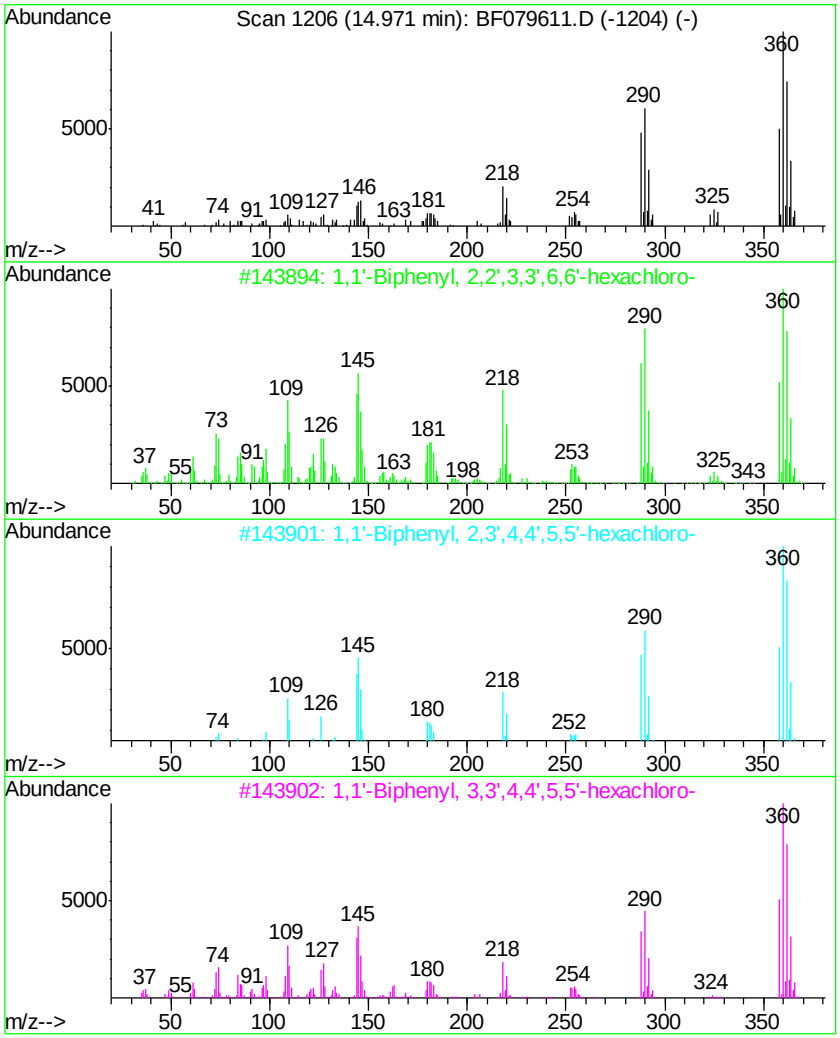
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

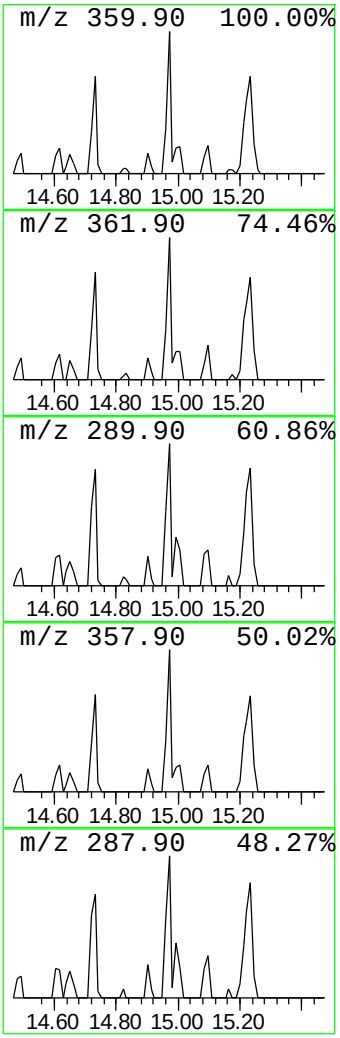
****

Peak Number 8 1,1'-Biphenyl, 2,2',3,3',6,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	2.98 ng	118166	Chrysene-d12	15.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	99
2	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	98
4	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	96
5	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	96





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079611.D
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Operator : TP/IZ
Sample : G2420-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.11(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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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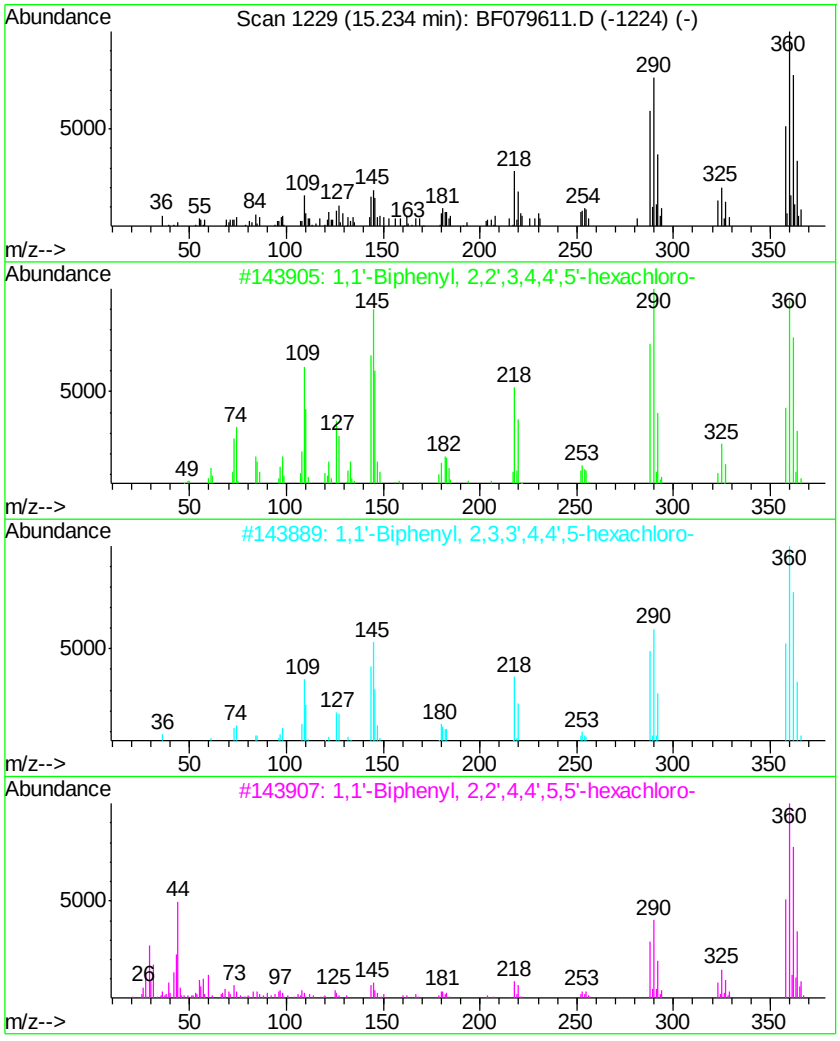
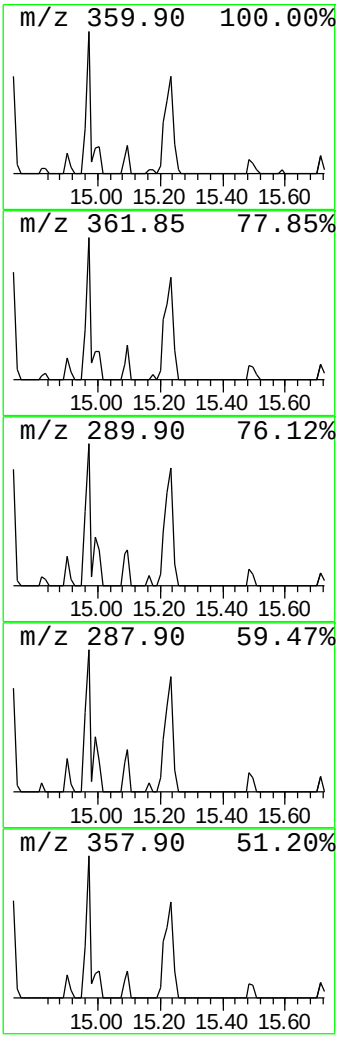
Peak Number 9 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	4.66 ng	184981	Chrysene-d12	15.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
2	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
3	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99
4	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
5	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	98





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
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Sample : G2420-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.11(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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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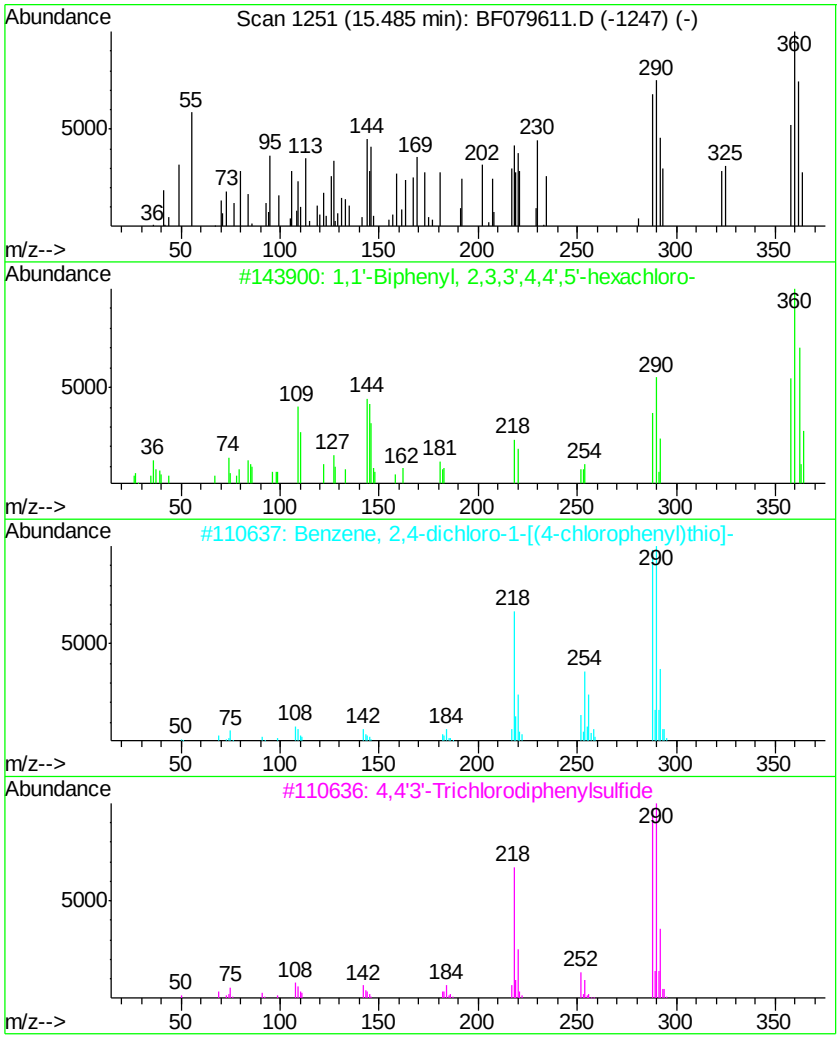
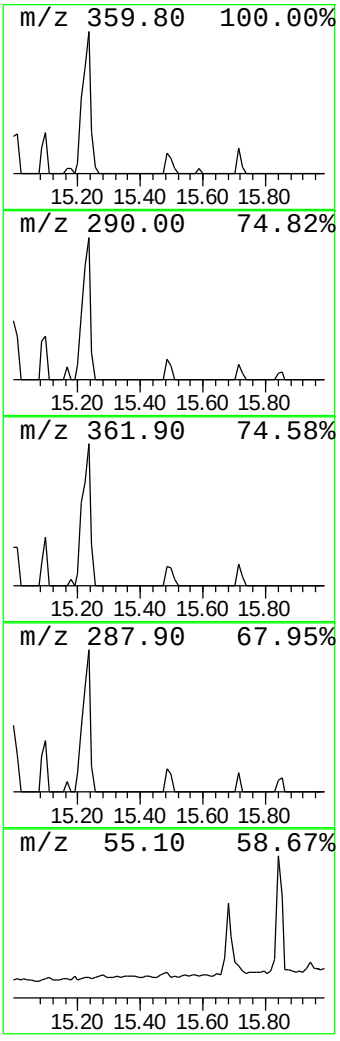
Peak Number 10 Benzene, 2,4-dichloro-1-[(4... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	2.00 ng	79538	Chrysene-d12	15.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	45
2	Benzene, 2,4-dichloro-1-[(4-chlo...	288	C12H7Cl3S	055759-88-1	10
3	4,4'3'-Trichlorodiphenylsulfide	288	C12H7Cl3S	1000283-58-7	10
4	2-Nitro-5-[[4-chlorophenyl]thio]...	290	C13H7ClN2O2S	051123-31-0	9
5	1,3-Butadiyne, 1,4-di(4-bromophe...	358	C16H8Br2	000959-88-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079611.D
Acq On : 30 May 2015 19:12
Operator : TP/IZ
Sample : G2420-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.11(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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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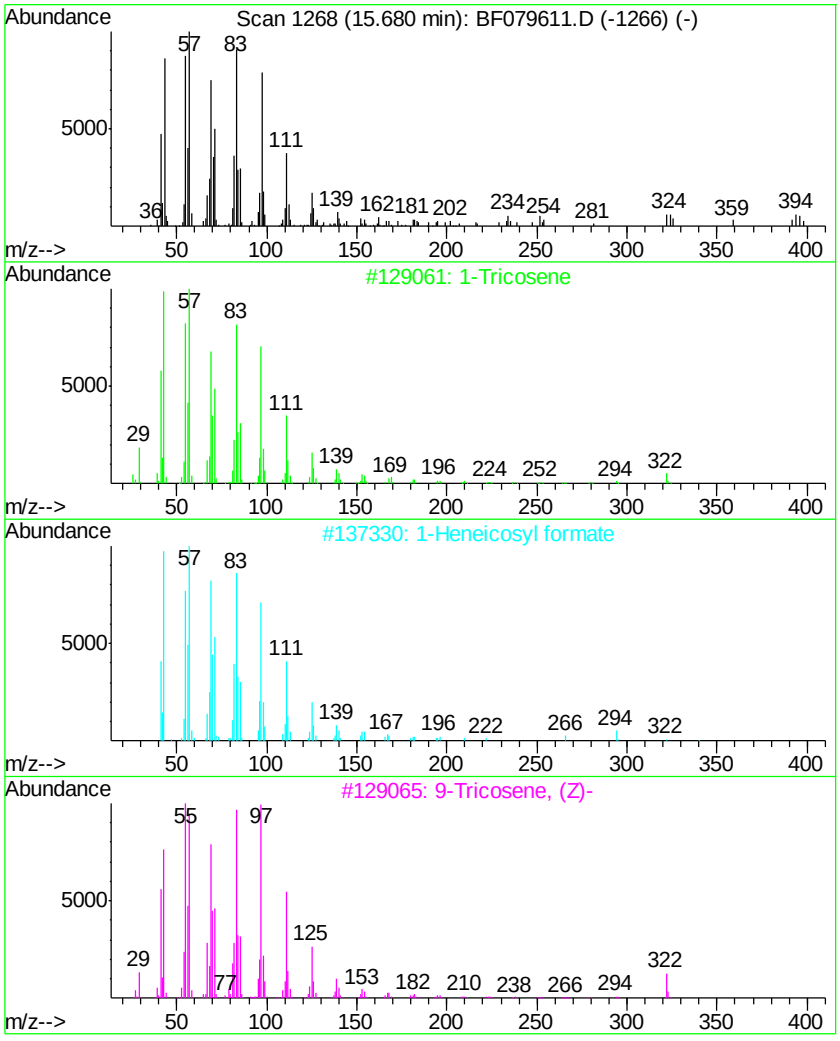
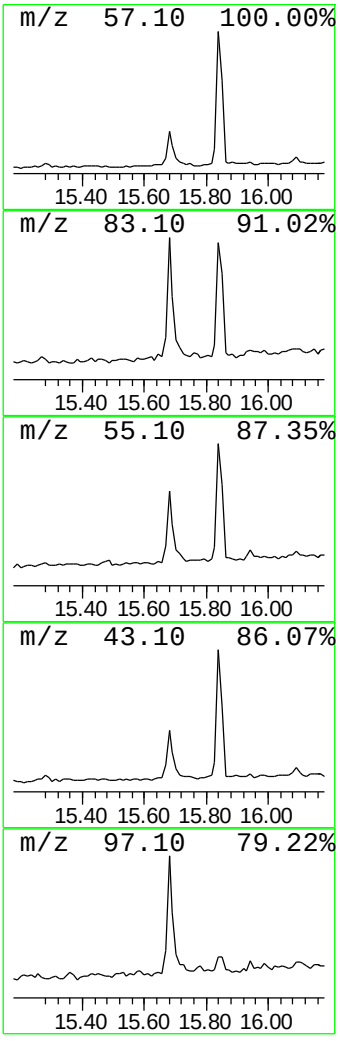
Peak Number 11 1-Tricosene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	6.39 ng	253521	Chrysene-d12	15.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tricosene	322	C23H46	018835-32-0	99
2	1-Heneicosyl formate	340	C22H44O2	077899-03-7	95
3	9-Tricosene, (Z)-	322	C23H46	027519-02-4	95
4	Cyclooctacosane	392	C28H56	000297-24-5	94
5	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079611.D
Acq On : 30 May 2015 19:12
Operator : TP/IZ
Sample : G2420-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.11(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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
2-Pentanone, 4-hy...	4.65	3.4	ng	70676	1	6.94	416710	20.0
unknown6.65	6.65	66.7	ng	1388900	1	6.94	416710	20.0
Dodecanoic acid	13.26	3.0	ng	92873	4	12.50	622815	20.0
1,1'-Biphenyl, 2,...	14.73	2.6	ng	101658	5	15.78	794021	20.0
1,1'-Biphenyl, 2,...	14.97	3.0	ng	118166	5	15.78	794021	20.0
1,1'-Biphenyl, 2,...	15.23	4.7	ng	184981	5	15.78	794021	20.0
Benzene, 2,4-dich...	15.49	2.0	ng	79538	5	15.78	794021	20.0
1-Tricosene	15.68	6.4	ng	253521	5	15.78	794021	20.0