LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078948.D
Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

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-BF043015.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	1.518	27	29	32	rVB	4511072	5229530	100.00%	13.966%
2	1.656	38	41	50	rVB	159415	377269	7.21%	1.008%
3	1.770	50	51	55	rVV	250199	363382	6.95%	0.970%
4	1.838	55	57	61	rVV	126410	226329	4.33%	0.604%
5	1.896	61	62	85	rVB	1205620	2906526	55.58%	7.762%
6	5.164	346	348	354	rVB	139034	172006	3.29%	0.459%
7	5.656	388	391	393	rVB	1265584	1400326	26.78%	3.740%
8	6.902	498	500	503	rBV	1603435	1423347	27.22%	3.801%
9	7.062	512	514	517	rVB	1517617	1488331	28.46%	3.975%
10	7.359	537	540	542	rBV	465968	478179	9.14%	1.277%
11	7.542	553	556	559	rVB	1357957	1186466	22.69%	3.169%
12	8.045	597	600	602	rBV	1074867	933762	17.86%	2.494%
13	8.936	675	678	679	rBV	499968	665238	12.72%	1.777%
14	10.274	793	795	798	rBV	1648933	1657032	31.69%	4.425%
15	10.776	837	839	842	rBV	52776	53801	1.03%	0.144%
16	10.936	850	853	855	rVB	50571	57701	1.10%	0.154%
17	11.108	866	868	870	rBV	762288	706245	13.50%	1.886%
18	12.091	951	954	956	rBV2	747820	1070356	20.47%	2.859%
19	12.948	1027	1029	1031	rBV2	627984	838968	16.04%	2.241%
20	12.982	1031	1032	1034	rVB	598203	448754	8.58%	1.198%
21	13.040	1034	1037	1040	rBV	112444	163084	3.12%	0.436%
22	13.245	1054	1055	1057	rVB	61641	55228	1.06%	0.147%
23	13.577	1080	1084	1086	rBV	61317	86357	1.65%	0.231%
24	13.611	1086	1087	1090	rVB	92040	104499	2.00%	0.279%
25	13.668	1090	1092	1094	rBV2	41010	67561	1.29%	0.180%
26	13.714	1094	1096	1098	rBV	124420	155401	2.97%	0.415%
27	13.954	1115	1117	1122	rVB2	51824	102202	1.95%	0.273%
28	14.262	1141	1144	1146	rBV	56407	89496	1.71%	0.239%
29	14.365	1152	1153	1159	rVB3	52429	56568	1.08%	0.151%
30	14.457	1159	1161	1164	rBV	790773	906400	17.33%	2.421%
31	14.640	1174	1177	1183	rBV4	35637	86861	1.66%	0.232%
32	14.743	1183	1186	1190	rBV	871045	1034410	19.78%	2.763%
33	14.811	1190	1192	1198	rVV	1787866	2197742	42.03%	5.869%
34	14.903	1198	1200	1201	rVV	77413	111377	2.13%	0.297%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078948.D
Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

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-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.948	1201	1204	1207	rVV	1918526	1921402	36.74%	5.131%
36	15.017	1207	1210	1213	rVV2	50264	103968	1.99%	0.278%
37	15.154	1215	1222	1224	rVB3	89629	246890	4.72%	0.659%
38	15.245	1224	1230	1231	rBV2	64469	106898	2.04%	0.285%
39	15.280	1231	1233	1236	rBV	88924	132236	2.53%	0.353%
40	15.394	1242	1243	1245	rBV	42816	60504	1.16%	0.162%
41	15.588	1257	1260	1262	rBV4	76451	174507	3.34%	0.466%
42	15.668	1265	1267	1275	rVB8	41124	117985	2.26%	0.315%
43	15.783	1275	1277	1281	rBV	75708	112567	2.15%	0.301%
44	15.920	1286	1289	1292	rBV2	67119	137401	2.63%	0.367%
45	15.966	1292	1293	1296	rVV2	68516	117681	2.25%	0.314%
46	16.046	1298	1300	1303	rVB2	70681	105322	2.01%	0.281%
47	16.114	1303	1306	1312	rBV3	177131	352262	6.74%	0.941%
48	16.240	1312	1317	1319	rVV2	972972	1644317	31.44%	4.391%
49	16.274	1319	1320	1325	rVB	508969	494317	9.45%	1.320%
50	16.366	1325	1328	1330	rBV2	55416	93577	1.79%	0.250%
51	16.526	1341	1342	1344	rVB2	46685	56892	1.09%	0.152%
52	16.731	1357	1360	1362	rVB	97143	124794	2.39%	0.333%
53	16.777	1362	1364	1366	rBV	47116	52531	1.00%	0.140%
54	16.914	1374	1376	1381	rVB4	50467	92462	1.77%	0.247%
55	17.108	1391	1393	1395	rBV3	41354	62316	1.19%	0.166%
56	17.509	1425	1428	1434	rBV	426478	1029359	19.68%	2.749%
57	17.623	1436	1438	1439	rVB	74947	103383	1.98%	0.276%
58	17.817	1453	1455	1458	rVB	312470	382581	7.32%	1.022%
59	17.886	1458	1461	1464	rVB	357569	504356	9.64%	1.347%
60	17.954	1464	1467	1468	rBV	612952	882346	16.87%	2.356%
61	18.526	1514	1517	1519	rBV3	38150	68289	1.31%	0.182%
62	19.269	1580	1582	1586	rVB2	48897	98498	1.88%	0.263%
63	19.440	1594	1597	1603	rVB2	197305	431901	8.26%	1.153%
64	19.634	1611	1614	1616	rBV	39305	101441	1.94%	0.271%
65	19.886	1632	1636	1645	rVB	179674	442200	8.46%	1.181%
66	20.115	1651	1656	1661	rVB	49373	188330	3.60%	0.503%

Sum of corrected areas: 37444247

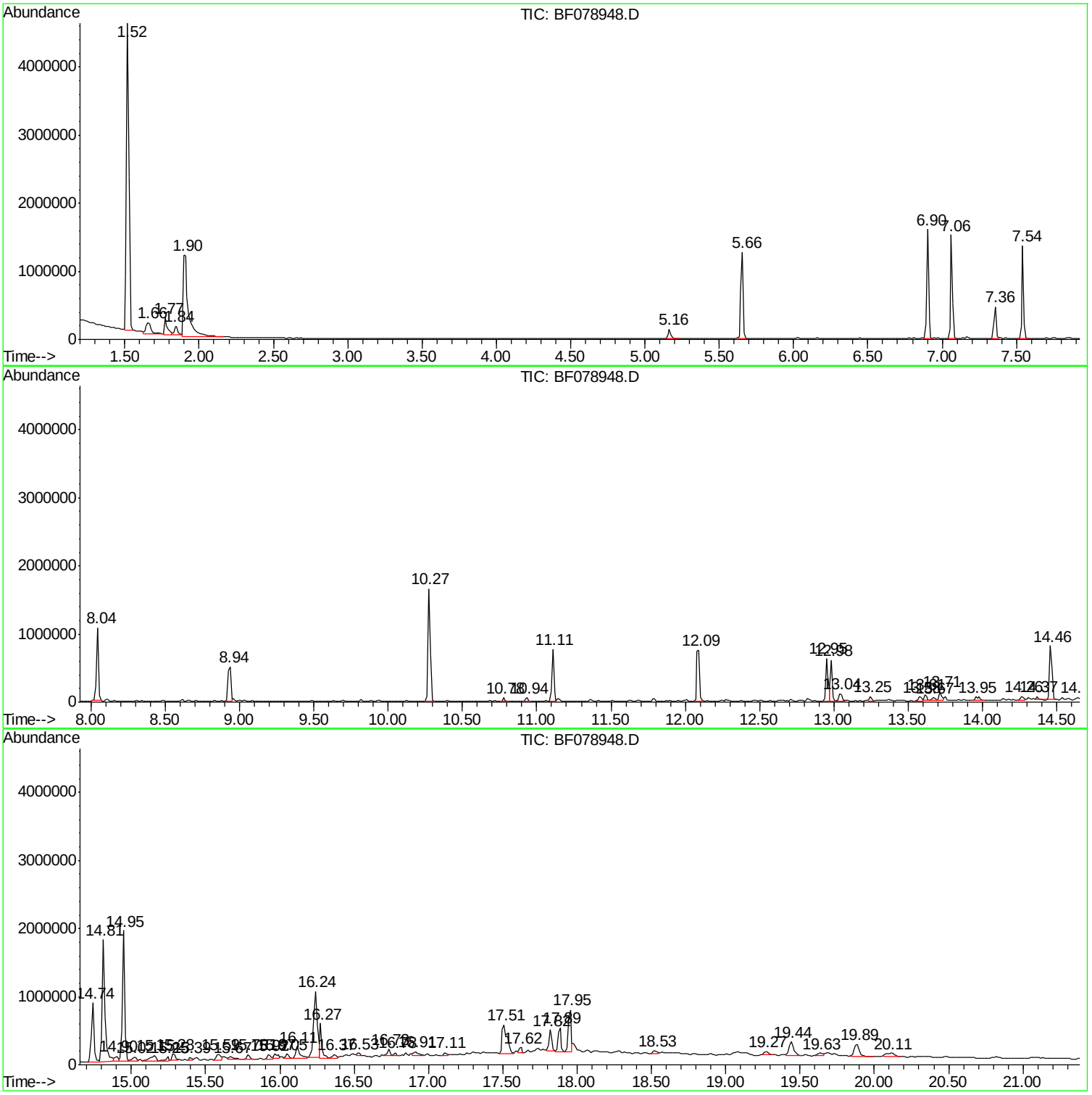
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078948.D
Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078948.D
Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

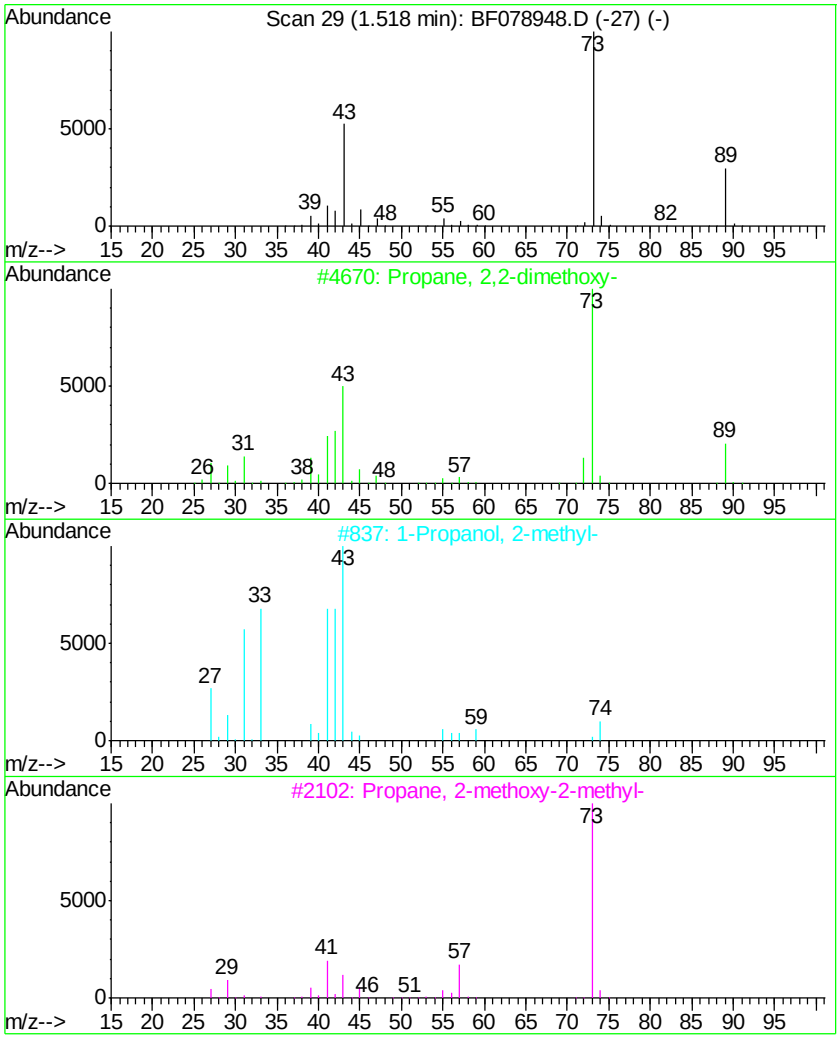
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

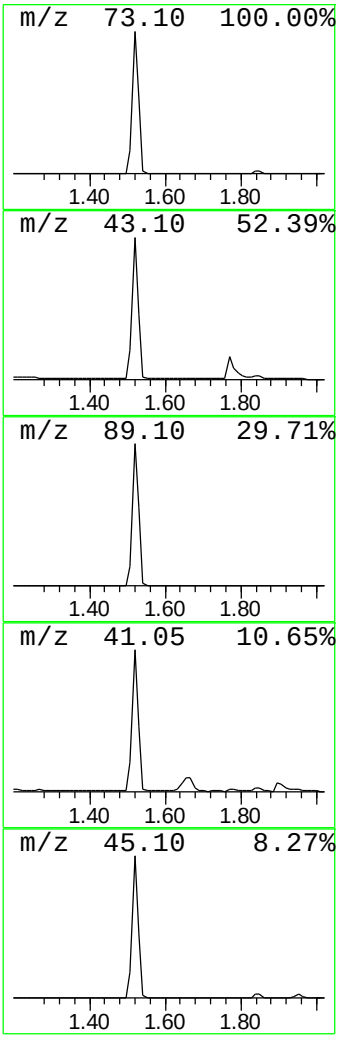
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.52	218.73 ng	5229530	1,4-Dichlorobenzene-d4	7.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	72
2	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
3	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
4	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
5	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078948.D
Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

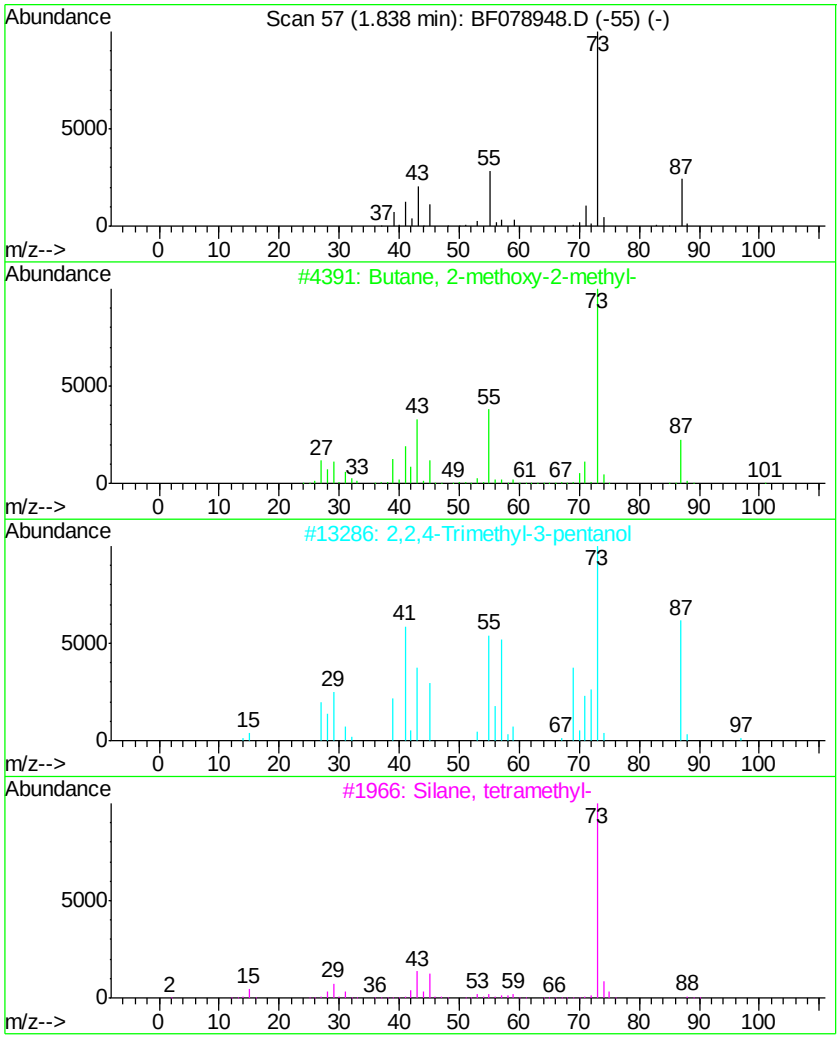
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

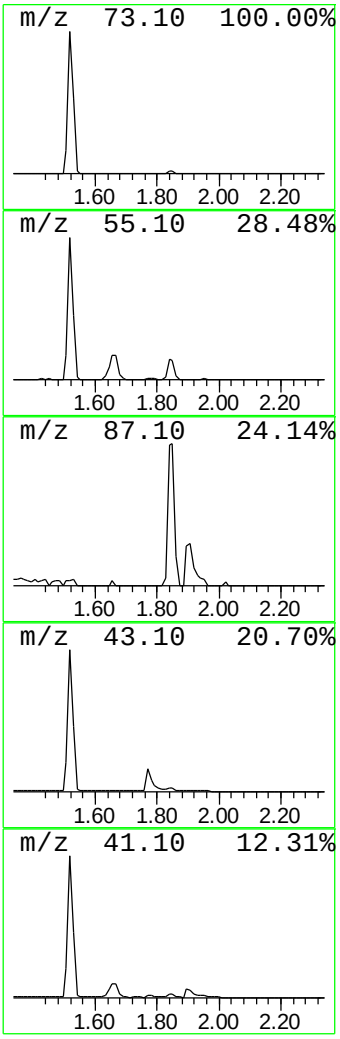
****

Peak Number 4 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.84	9.47 ng	226329	1,4-Dichlorobenzene-d4	7.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	37
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078948.D
Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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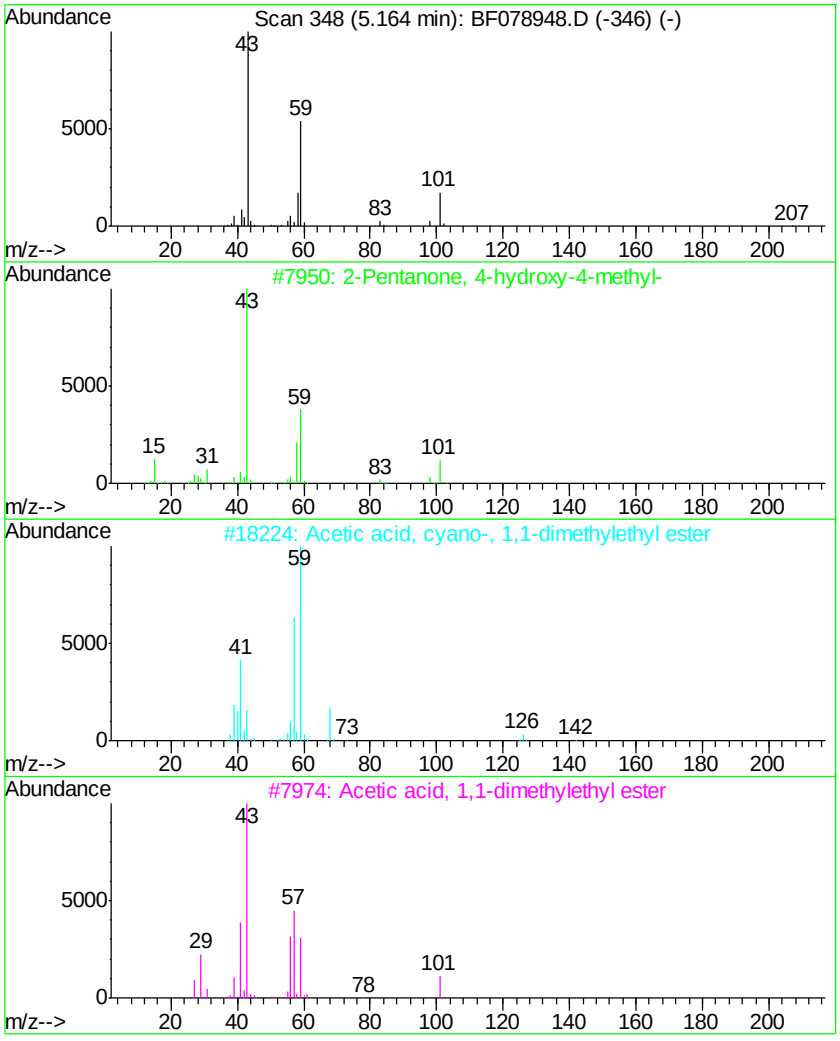
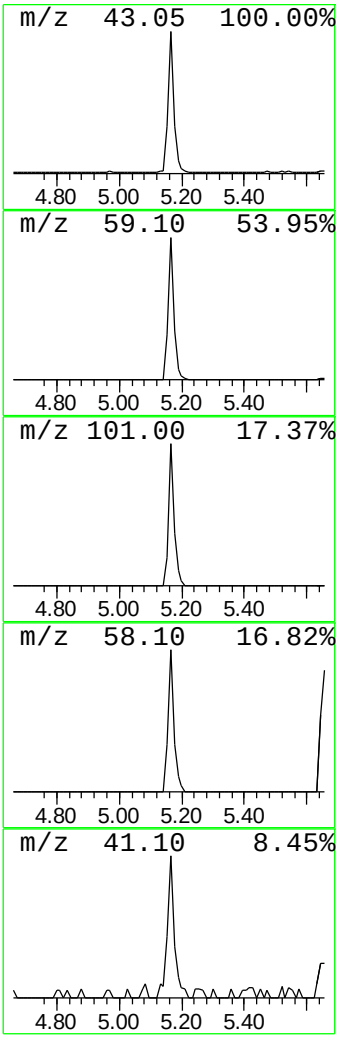
Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	7.19 ng	172006	1,4-Dichlorobenzene-d4	7.36

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, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10
5	5-Hexen-2-one	98	C6H10O	000109-49-9	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078948.D
Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

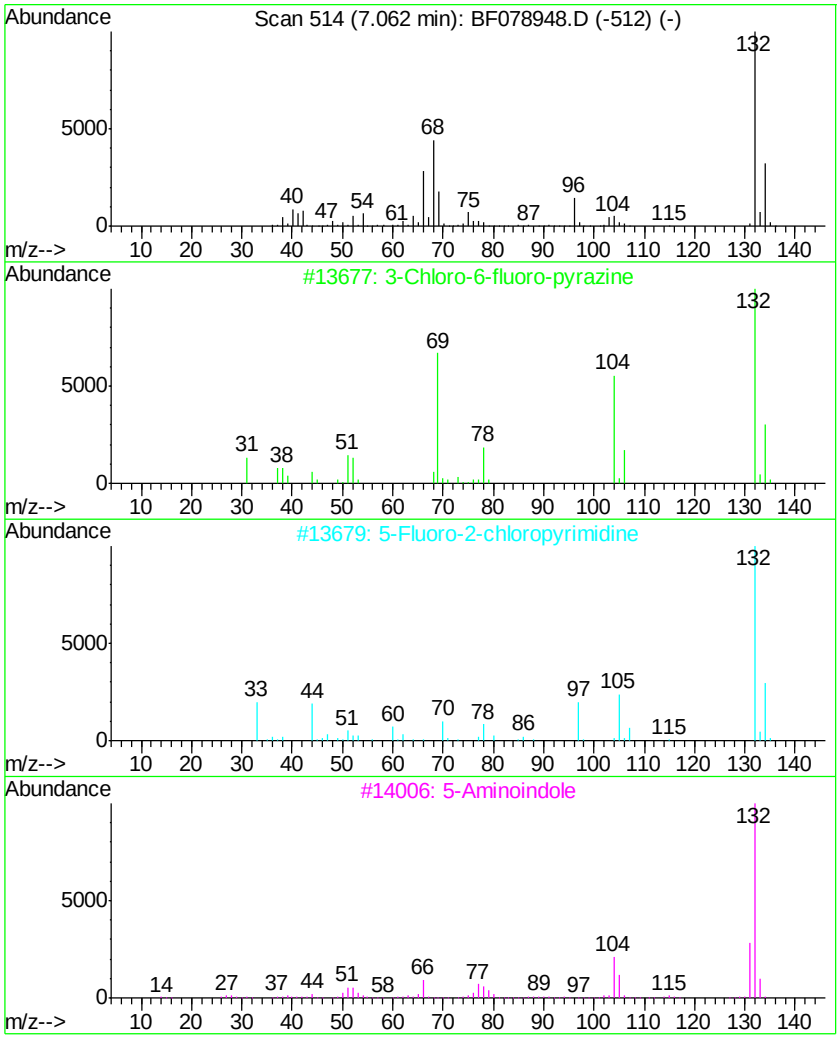
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

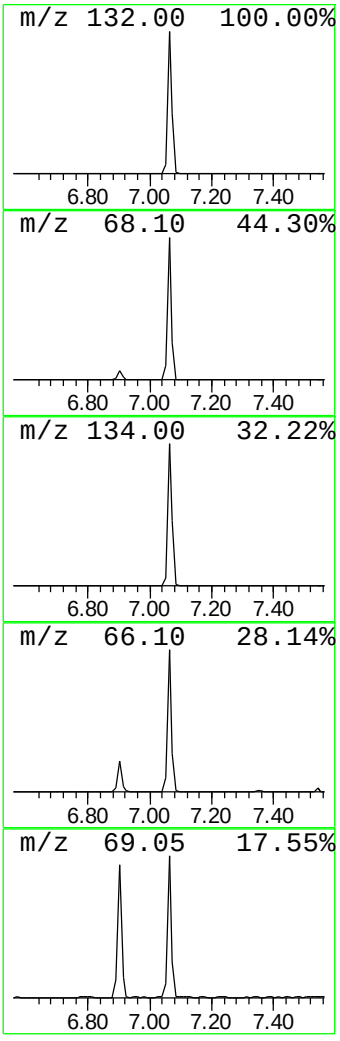
****

Peak Number 7 unknown7.06 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	62.25 ng	1488330	1,4-Dichlorobenzene-d4	7.36

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	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078948.D
Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

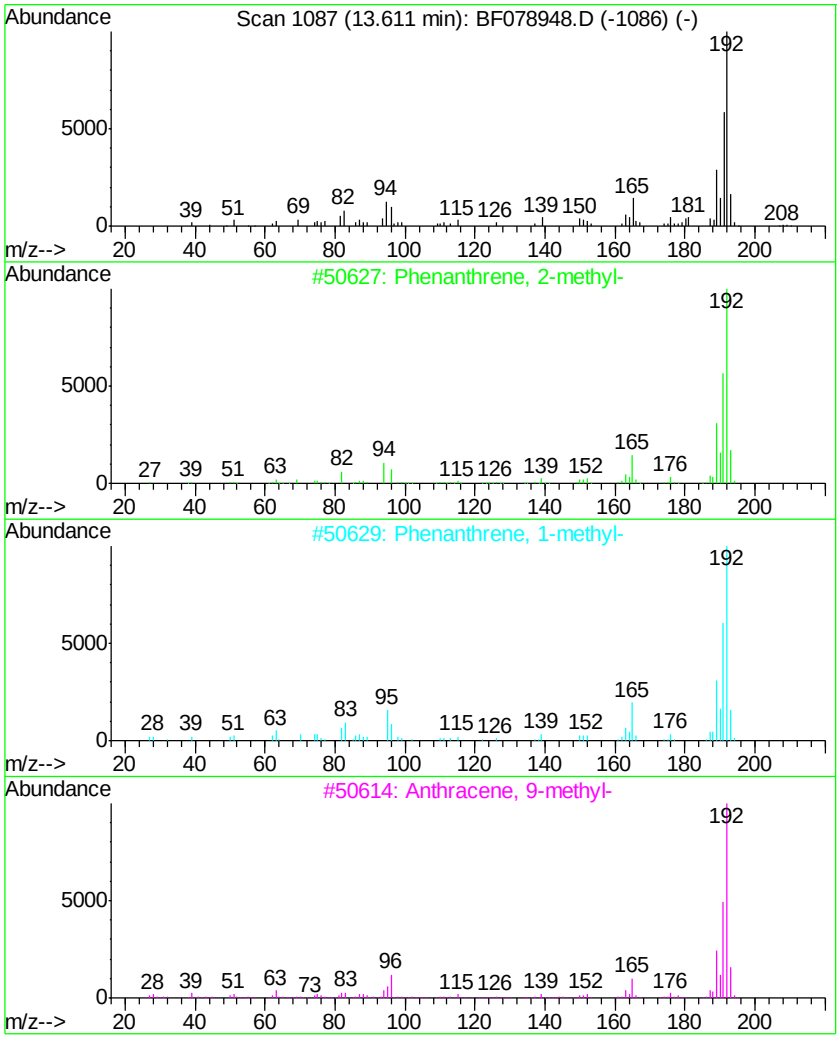
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

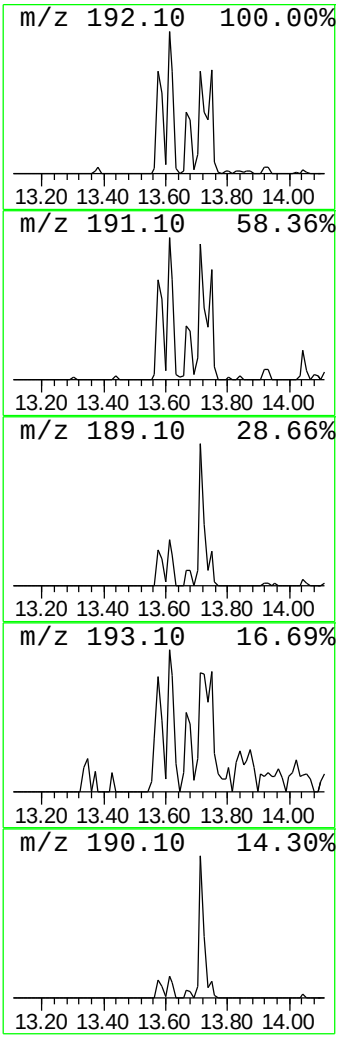
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	2.49 ng	104499	Phenanthrene-d10	12.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078948.D
Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

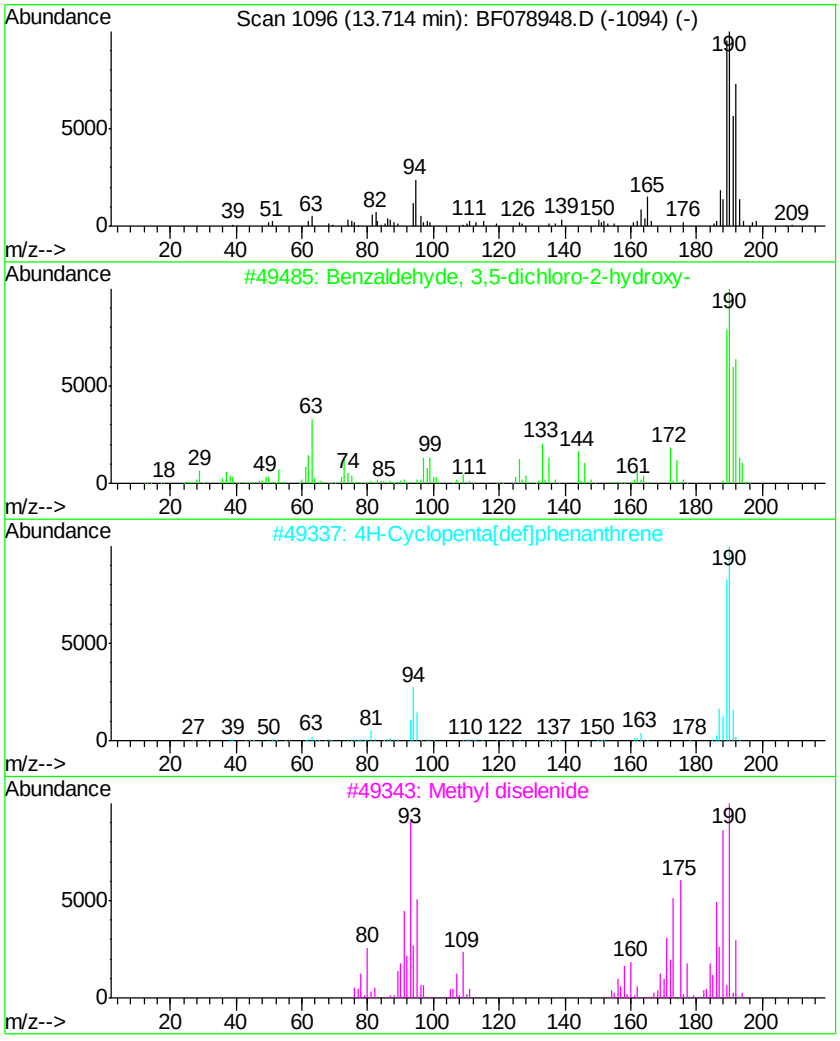
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

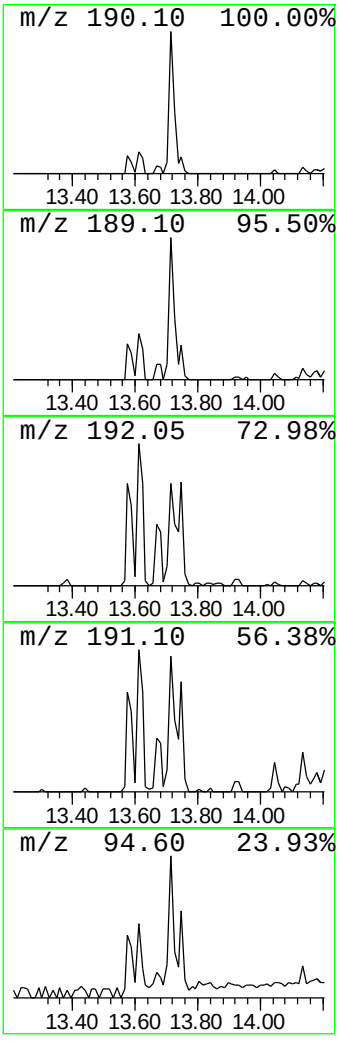
****

Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	3.70 ng	155401	Phenanthrene-d10	12.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	Methyl diselenide	190	C2H6Se2	007101-31-7	41
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078948.D
Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

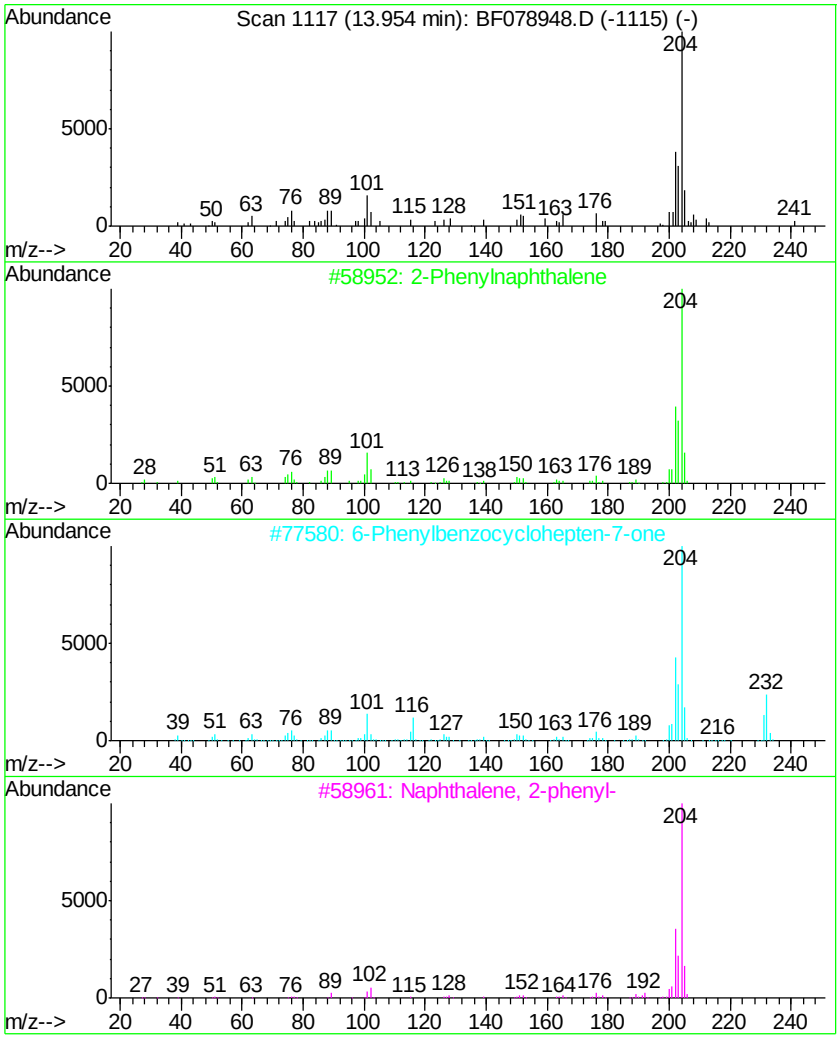
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

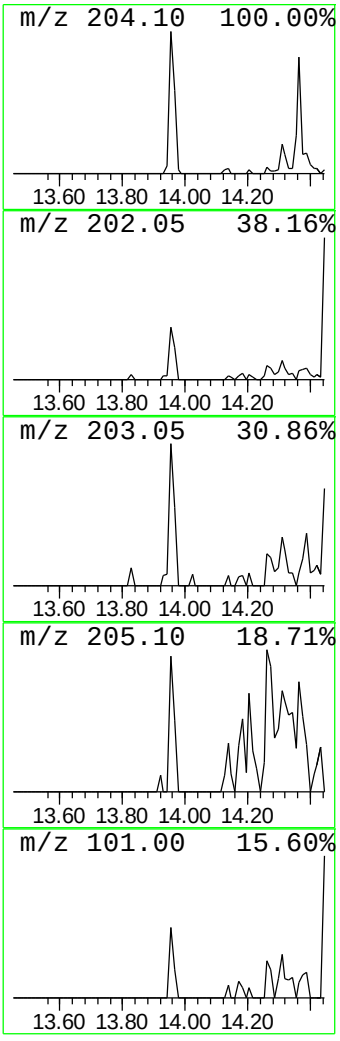
****

Peak Number 11 2-Phenylnaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.44 ng	102202	Phenanthrene-d10	12.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	92
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	86
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83





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Data File : BF078948.D
Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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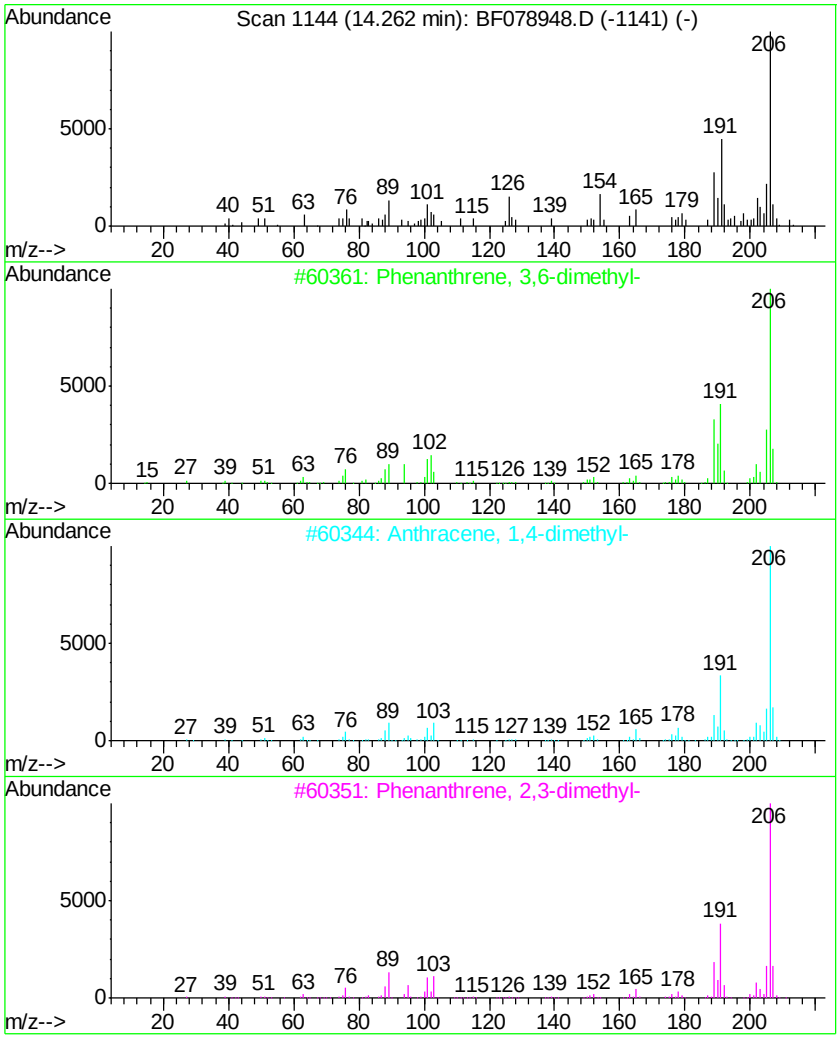
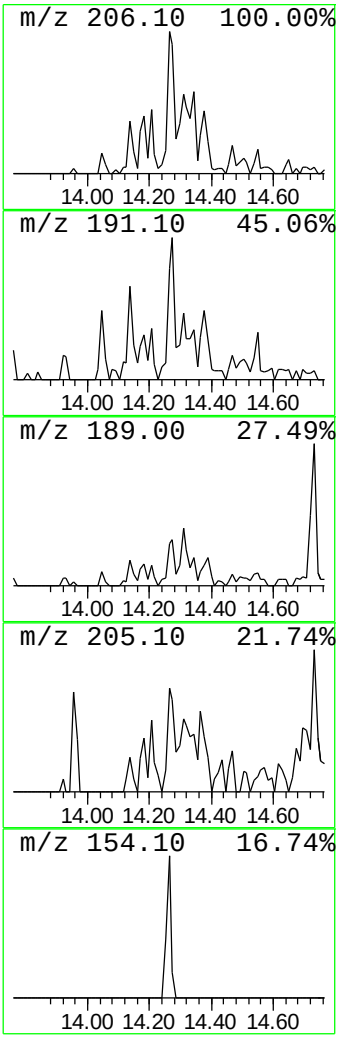
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	2.13 ng	89496	Phenanthrene-d10	12.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83





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Sample : G2044-17
Misc :
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Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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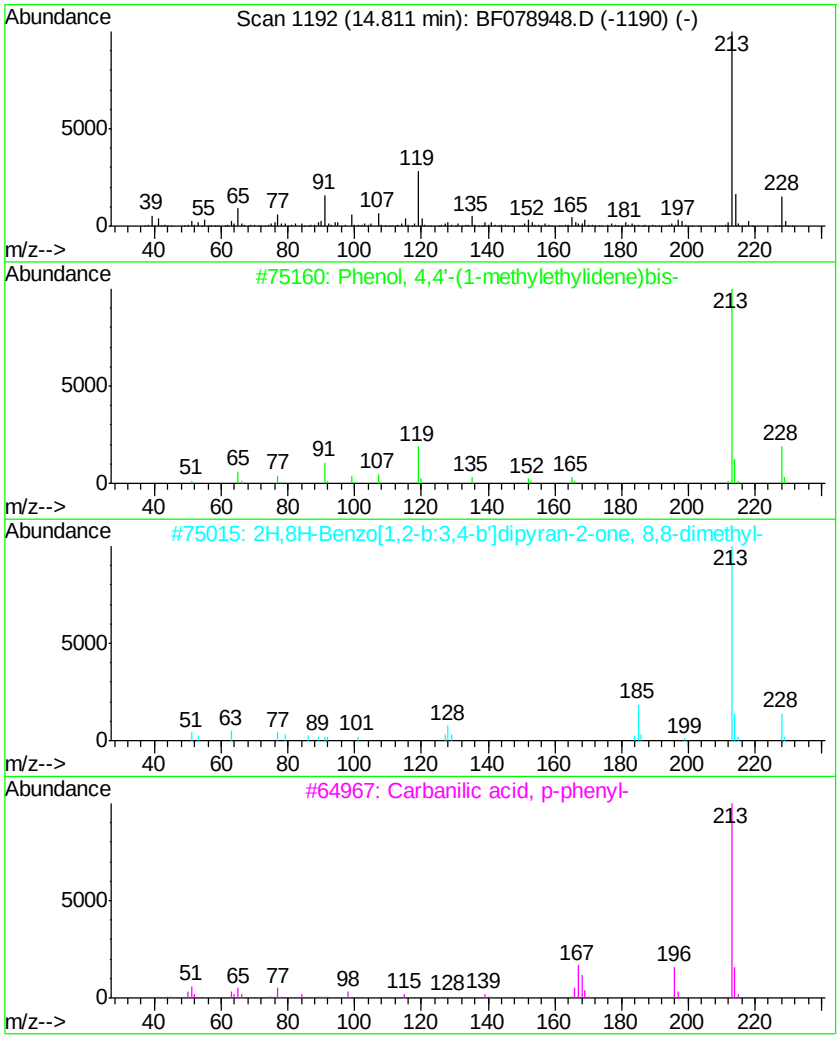
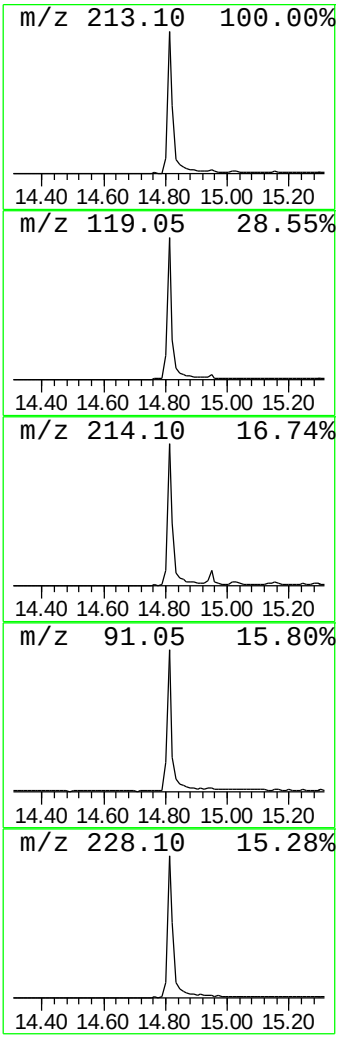
Peak Number 13 Phenol, 4,4'-(1-methylethyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	26.73 ng	2197740	Chrysene-d12	16.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	96
2	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	53
3	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	50
4	1,4-Naphthalenedione, 2-(1-buten...	228	C14H12O3	029366-43-6	47
5	1,4-Puran, 5,6-dihydro-3-[3-indo...	213	C14H15NO	1000128-72-9	40





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Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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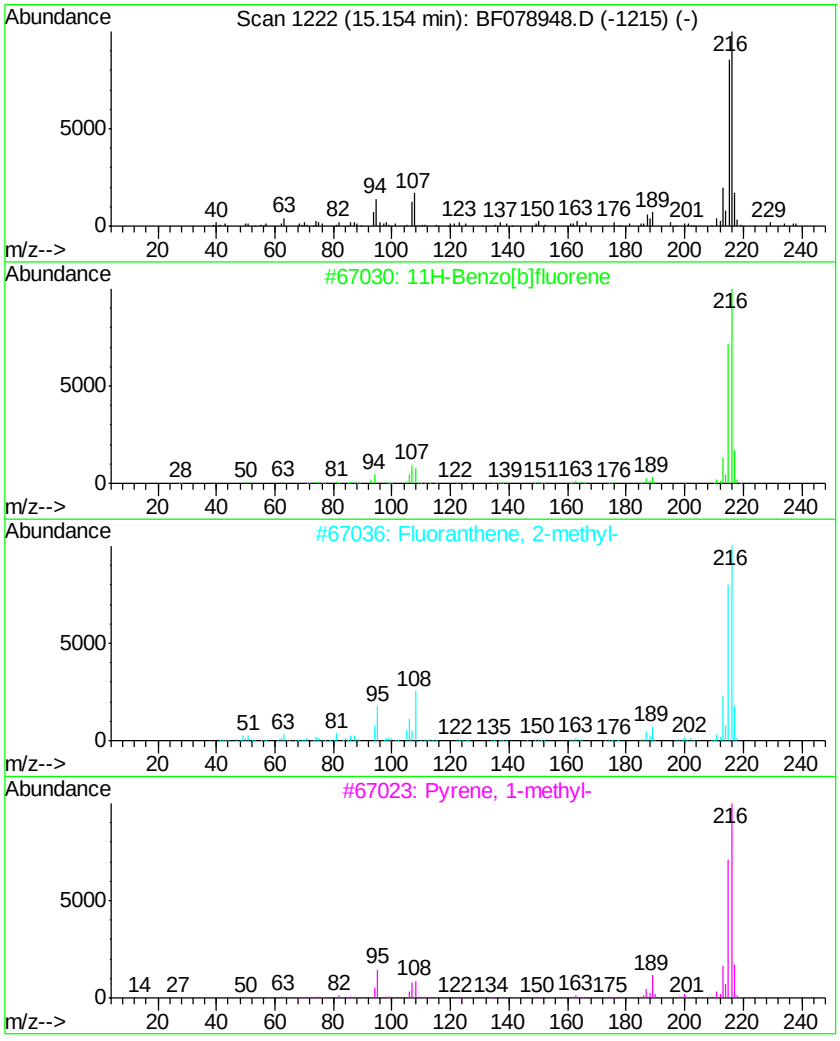
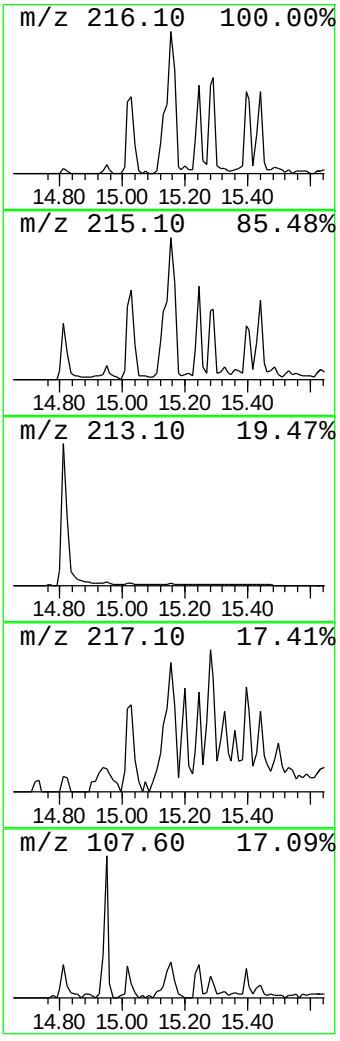
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	3.00 ng	246890	Chrysene-d12	16.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Data File : BF078948.D
Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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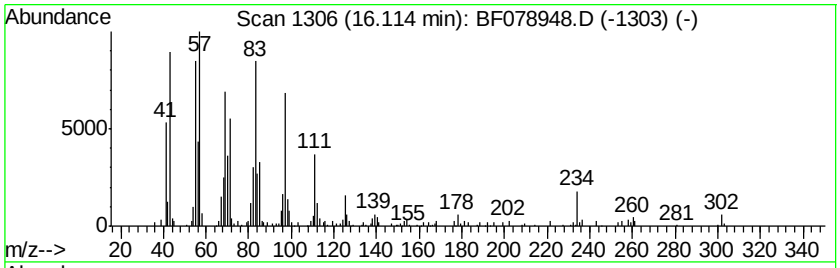
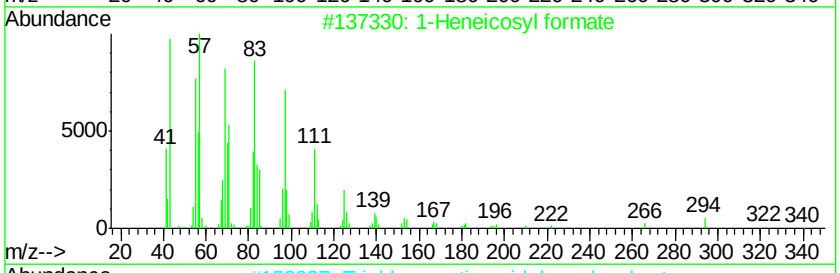
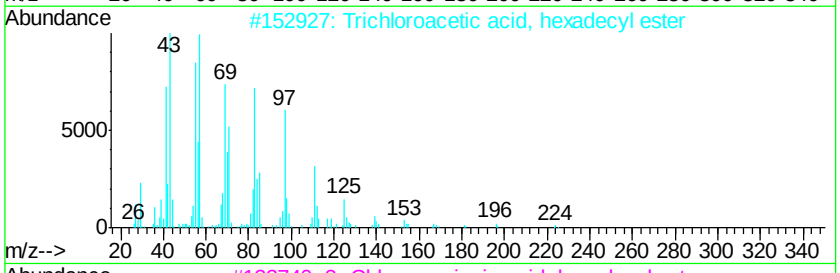
Peak Number 15 1-Heneicosyl formate Concentration Rank 11

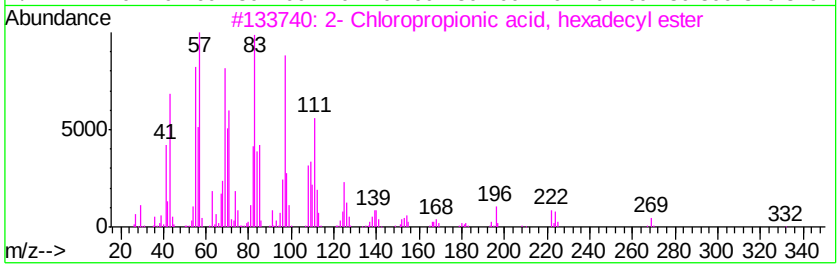
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	4.28 ng	352262	Chrysene-d12	16.24

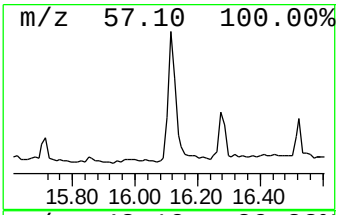
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	93
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	93
3	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	90
4	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	90
5	1-Docosene	308	C22H44	001599-67-3	90

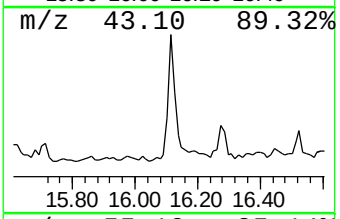


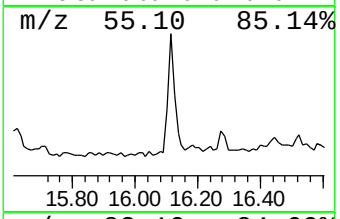


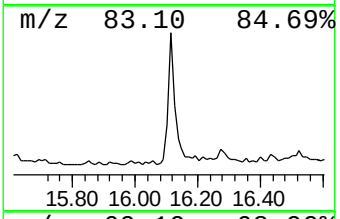


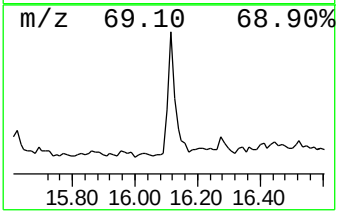












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Data File : BF078948.D
Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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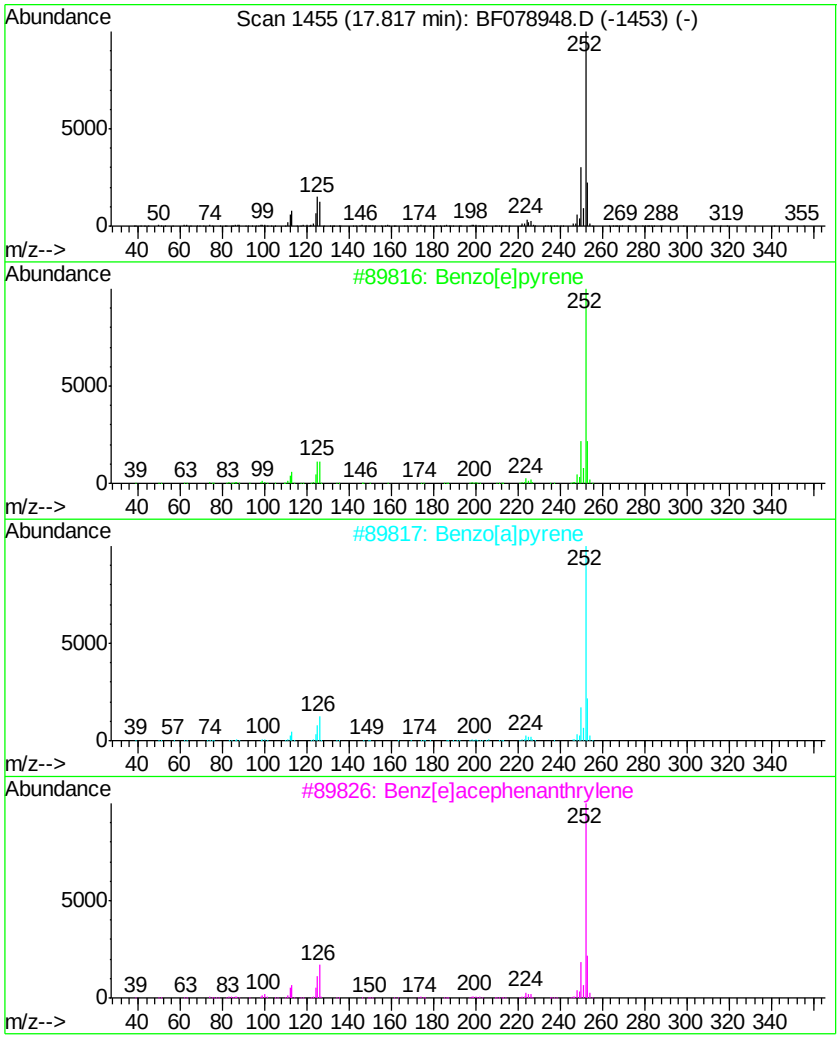
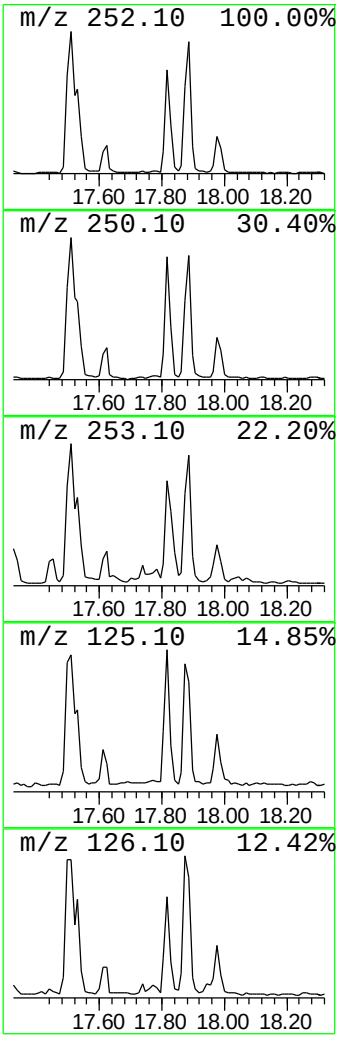
Peak Number 17 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	8.67 ng	382581	Perylene-d12	17.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Perylene	252	C20H12	000198-55-0	83





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Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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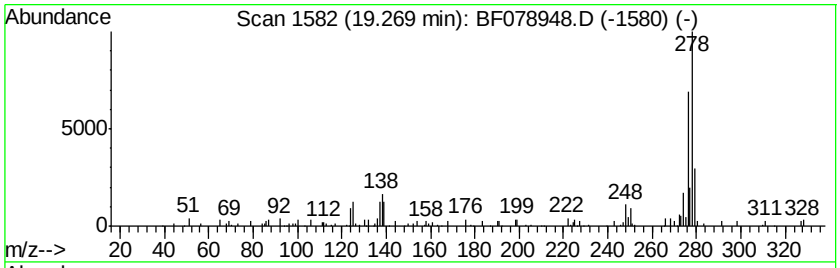
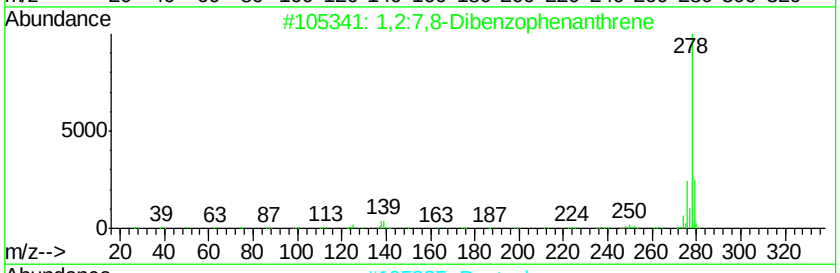
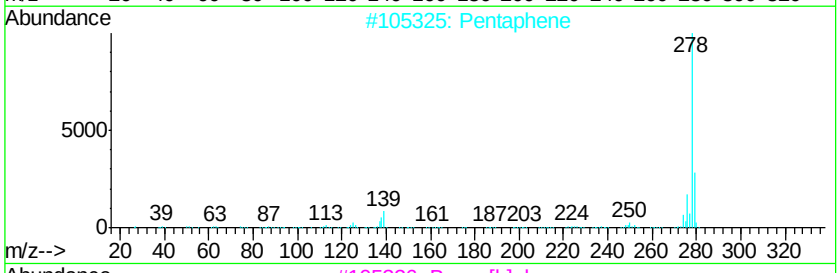
Peak Number 18 1,2:7,8-Dibenzophenanthrene Concentration Rank 19

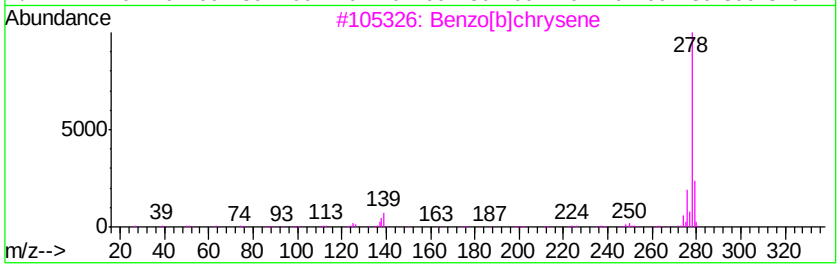
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	2.23 ng	98498	Perylene-d12	17.95

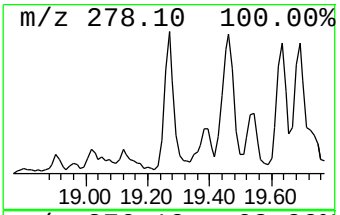
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	53
2	Pentaphene	278	C22H14	000222-93-5	53
3	Benzo[b]chrysene	278	C22H14	000214-17-5	49
4	10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	47
5	Pentacene	278	C22H14	000135-48-8	47

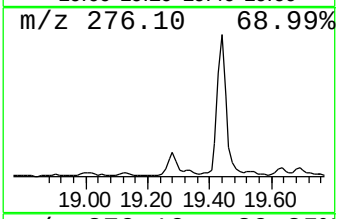


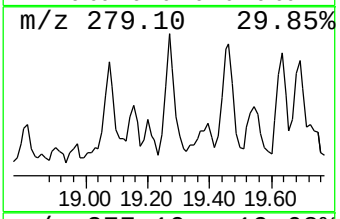


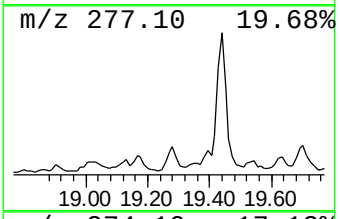


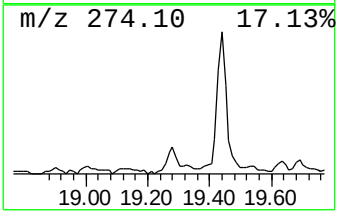












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Acq On : 5 May 2015 18:54
Operator : TP/IZ
Sample : G2044-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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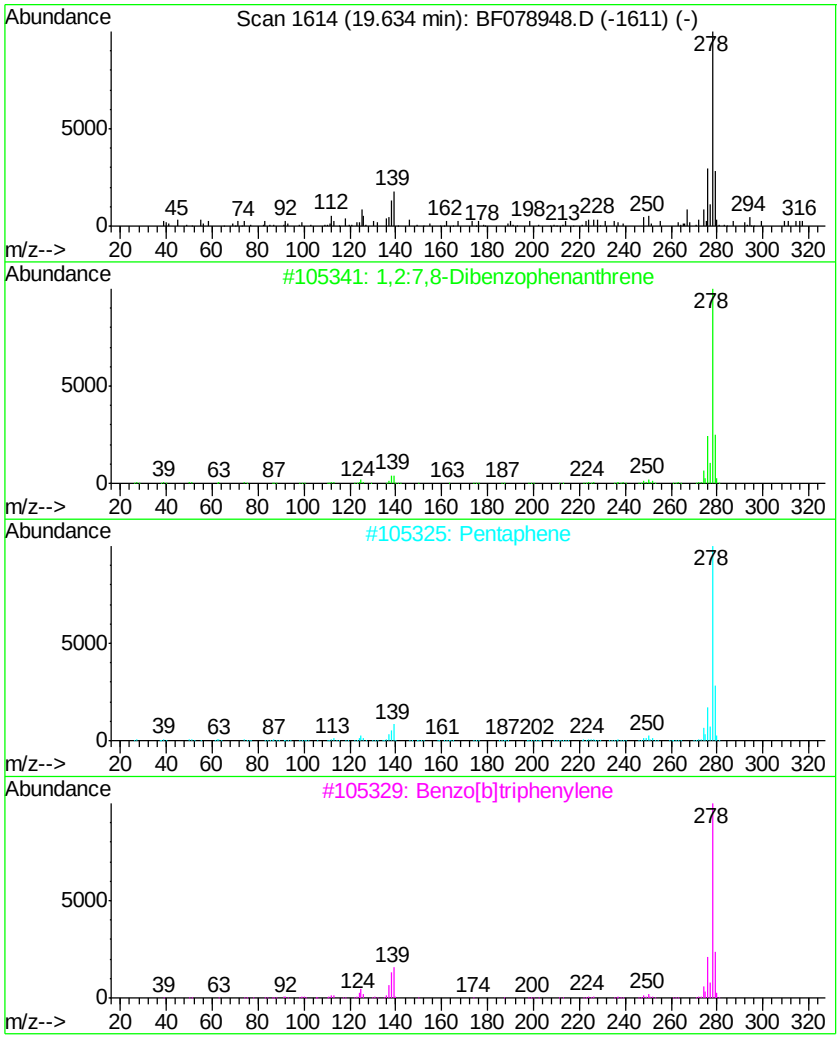
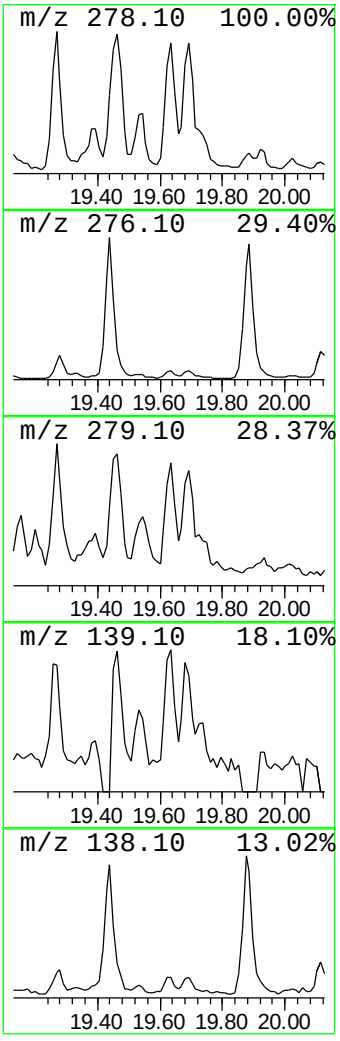
Peak Number 19 Pentaphene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	2.30 ng	101441	Perylene-d12	17.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	81
2	Pentaphene	278	C22H14	000222-93-5	81
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	81
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	81
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050515\
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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 2,2-dime...	1.52	218.7	ng	5229530	1	7.36	478179	20.0
Butane, 2-methoxy...	1.84	9.5	ng	226329	1	7.36	478179	20.0
2-Pentanone, 4-hy...	5.16	7.2	ng	172006	1	7.36	478179	20.0
unknown7.06	7.06	62.3	ng	1488330	1	7.36	478179	20.0
Phenanthrene, 2-m...	13.61	2.5	ng	104499	4	12.95	838968	20.0
Benzaldehyde, 3,5...	13.71	3.7	ng	155401	4	12.95	838968	20.0
2-Phenylnaphthalene	13.95	2.4	ng	102202	4	12.95	838968	20.0
Phenanthrene, 3,6...	14.26	2.1	ng	89496	4	12.95	838968	20.0
Phenol, 4,4'-(1-m...	14.81	26.7	ng	2197740	5	16.24	1644320	20.0
11H-Benzo[b]fluorene	15.15	3.0	ng	246890	5	16.24	1644320	20.0
1-Heneicosyl formate	16.11	4.3	ng	352262	5	16.24	1644320	20.0
Benzo[e]pyrene	17.82	8.7	ng	382581	6	17.95	882346	20.0
1,2:7,8-Dibenzoph...	19.27	2.2	ng	98498	6	17.95	882346	20.0
Pentaphene	19.63	2.3	ng	101441	6	17.95	882346	20.0