LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
Data File : BF077608.D
Acq On : 5 Mar 2015 6:24
Operator : TP/IZ
Sample : G1424-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

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	1.378	40	43	46	rBV	3854347	4061136	100.00%	17.068%
2	1.515	51	55	63	rVB	97867	192096	4.73%	0.807%
3	1.687	67	70	77	rBV2	50681	111602	2.75%	0.469%
4	1.824	80	82	100	rVB	243220	388536	9.57%	1.633%
5	4.990	358	359	364	rVB	147287	200360	4.93%	0.842%
6	5.516	402	405	408	rBV	1220664	1250323	30.79%	5.255%
7	6.785	514	516	519	rBV	1255226	1250800	30.80%	5.257%
8	6.933	526	529	532	rBV	1457725	1339158	32.97%	5.628%
9	7.219	552	554	556	rBV	341046	368720	9.08%	1.550%
10	7.413	568	571	573	rVB	931452	1044629	25.72%	4.390%
11	7.916	612	615	617	rBV	860360	809243	19.93%	3.401%
12	8.796	690	692	695	rBV	566873	516607	12.72%	2.171%
13	10.145	808	810	813	rBV	1829339	1598893	39.37%	6.720%
14	10.648	852	854	857	rBV	69060	67204	1.65%	0.282%
15	10.968	880	882	885	rBV	542142	582087	14.33%	2.446%
16	11.871	959	961	963	rVB	54166	52305	1.29%	0.220%
17	11.951	965	968	970	rBV	994419	985977	24.28%	4.144%
18	12.808	1041	1043	1045	rBV	542740	669541	16.49%	2.814%
19	12.842	1045	1046	1048	rVV	317730	238090	5.86%	1.001%
20	12.899	1048	1051	1053	rVV	58281	84688	2.09%	0.356%
21	13.437	1096	1098	1100	rBV	79846	104324	2.57%	0.438%
22	13.471	1100	1101	1104	rVB	93485	109230	2.69%	0.459%
23	13.528	1104	1106	1108	rBV	43004	60414	1.49%	0.254%
24	13.574	1108	1110	1112	rVV	138847	189332	4.66%	0.796%
25	13.608	1112	1113	1116	rVB	68315	56186	1.38%	0.236%
26	13.814	1129	1131	1136	rVB3	48805	71436	1.76%	0.300%
27	14.122	1156	1158	1160	rBV	64700	96526	2.38%	0.406%
28	14.168	1160	1162	1166	rVB	53087	85560	2.11%	0.360%
29	14.237	1166	1168	1170	rVB3	39838	62129	1.53%	0.261%
30	14.317	1173	1175	1177	rBV	386023	365913	9.01%	1.538%
31	14.500	1188	1191	1192	rBV3	37168	45252	1.11%	0.190%
32	14.591	1197	1199	1201	rBV	353344	496720	12.23%	2.088%
33	14.808	1215	1218	1220	rBV	1912600	1906850	46.95%	8.014%
34	14.877	1221	1224	1227	rVV3	36589	58753	1.45%	0.247%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
Data File : BF077608.D
Acq On : 5 Mar 2015 6:24
Operator : TP/IZ
Sample : G1424-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

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	14.980	1231	1233	1234	rBV2	28083	42805	1.05%	0.180%
36	15.014	1234	1236	1238	rVB	94675	118282	2.91%	0.497%
37	15.094	1242	1243	1245	rBV	63465	94576	2.33%	0.397%
38	15.140	1245	1247	1249	rBV	82239	80462	1.98%	0.338%
39	15.254	1255	1257	1259	rBV	53572	60858	1.50%	0.256%
40	15.288	1259	1260	1263	rVV	46762	58297	1.44%	0.245%
41	15.780	1301	1303	1305	rBV2	33740	57093	1.41%	0.240%
42	15.825	1305	1307	1310	rVV2	40132	76728	1.89%	0.322%
43	15.974	1317	1320	1323	rBV2	272336	385438	9.49%	1.620%
44	16.100	1327	1331	1332	rVV2	643638	1051437	25.89%	4.419%
45	16.123	1332	1333	1336	rVB	192375	230129	5.67%	0.967%
46	16.591	1372	1374	1376	rVB	67351	66774	1.64%	0.281%
47	17.243	1429	1431	1435	rVB	66265	90379	2.23%	0.380%
48	17.368	1439	1442	1446	rBV	166438	392801	9.67%	1.651%
49	17.677	1467	1469	1472	rBV	138379	160195	3.94%	0.673%
50	17.734	1472	1474	1477	rVV	201164	277691	6.84%	1.167%
51	17.803	1477	1480	1488	rVB	625178	856205	21.08%	3.598%
52	19.643	1638	1641	1645	rBV	84255	173608	4.27%	0.730%

Sum of corrected areas: 23794378

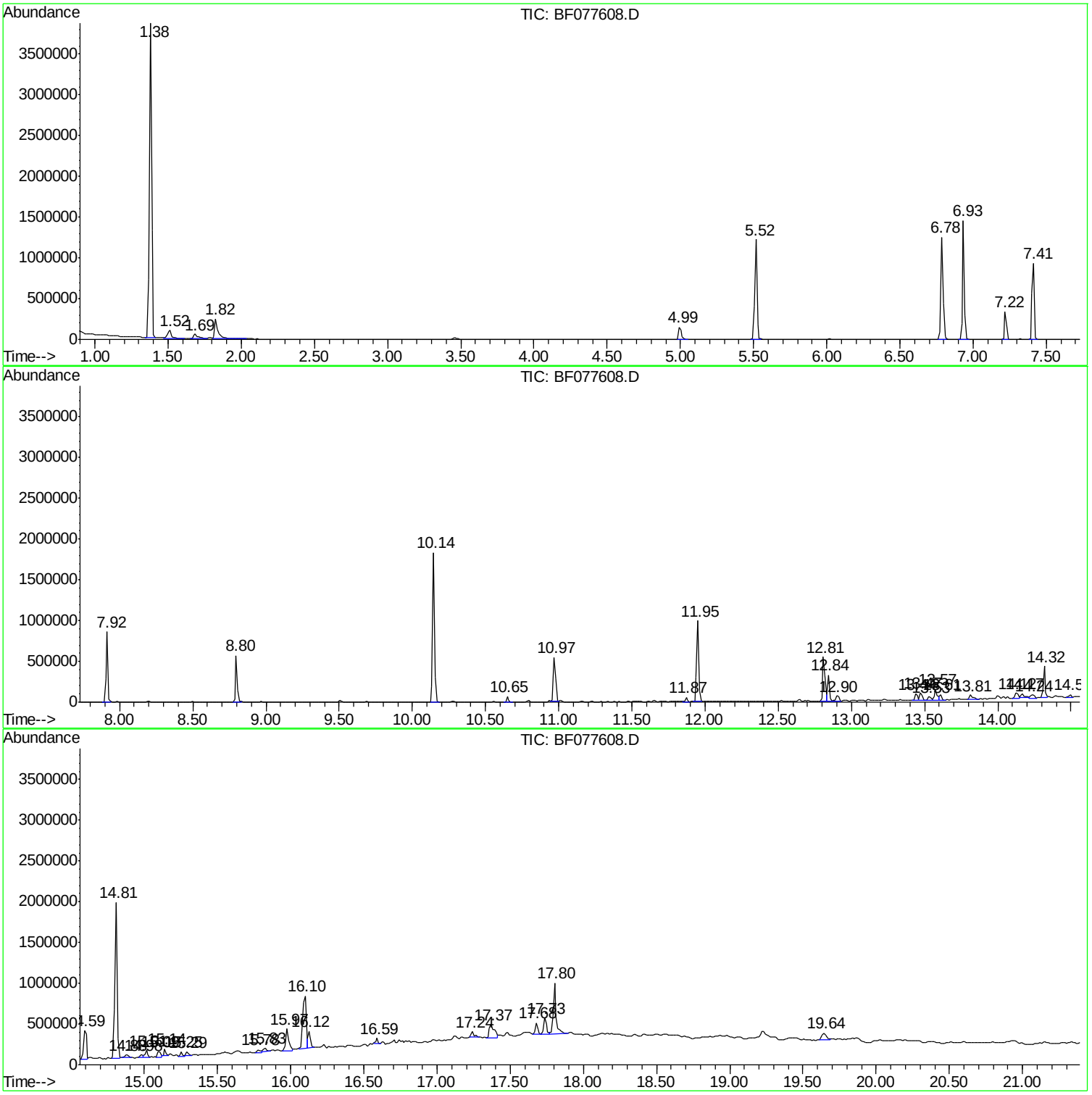
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
Data File : BF077608.D
Acq On : 5 Mar 2015 6:24
Operator : TP/IZ
Sample : G1424-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

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\BF030415\
Data File : BF077608.D
Acq On : 5 Mar 2015 6:24
Operator : TP/IZ
Sample : G1424-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

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

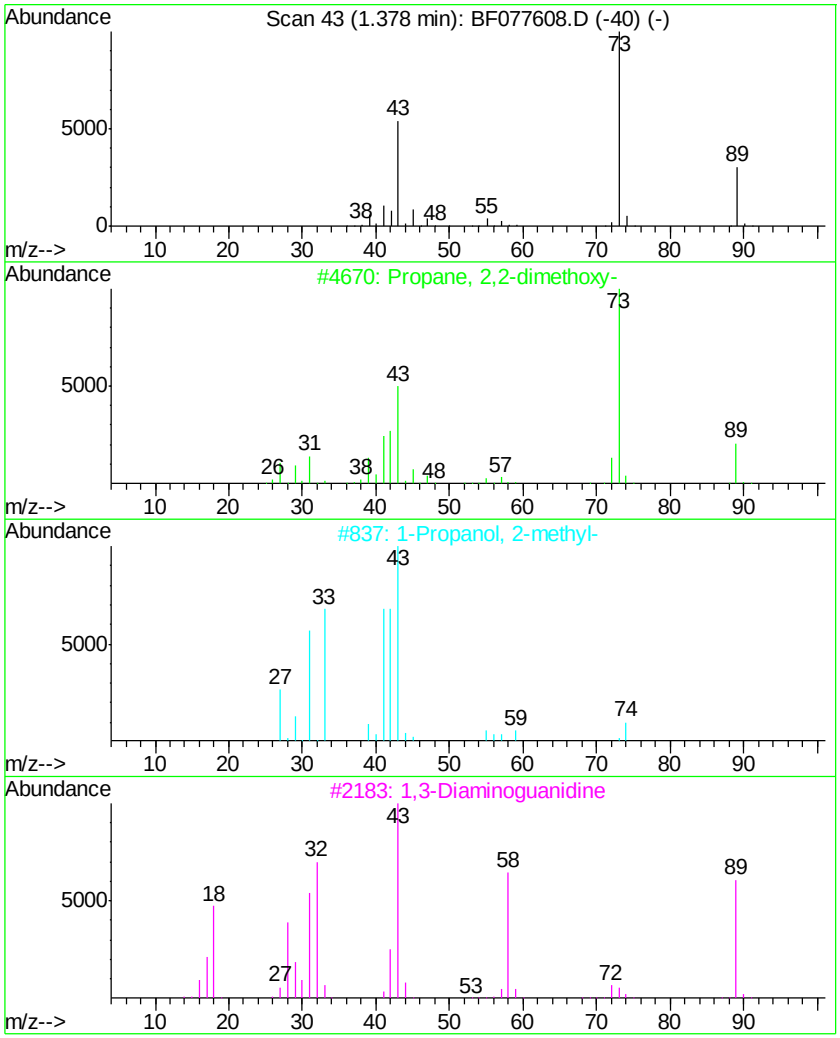
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

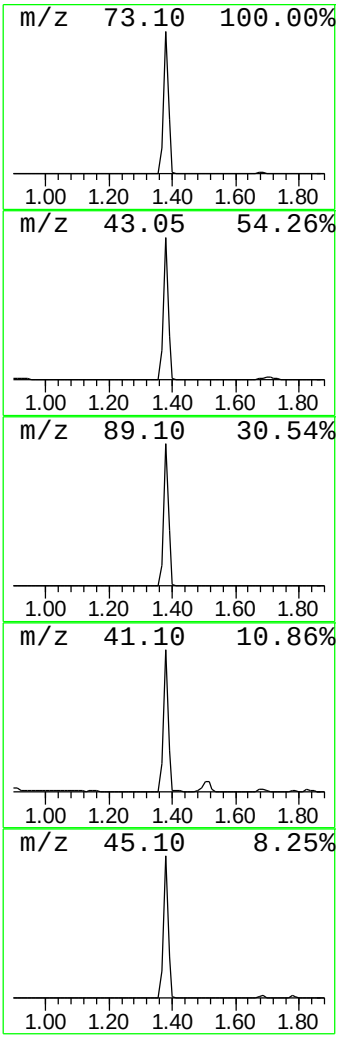
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.38	220.28 ng	4061140	1,4-Dichlorobenzene-d4	7.22

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	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
Data File : BF077608.D
Acq On : 5 Mar 2015 6:24
Operator : TP/IZ
Sample : G1424-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

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

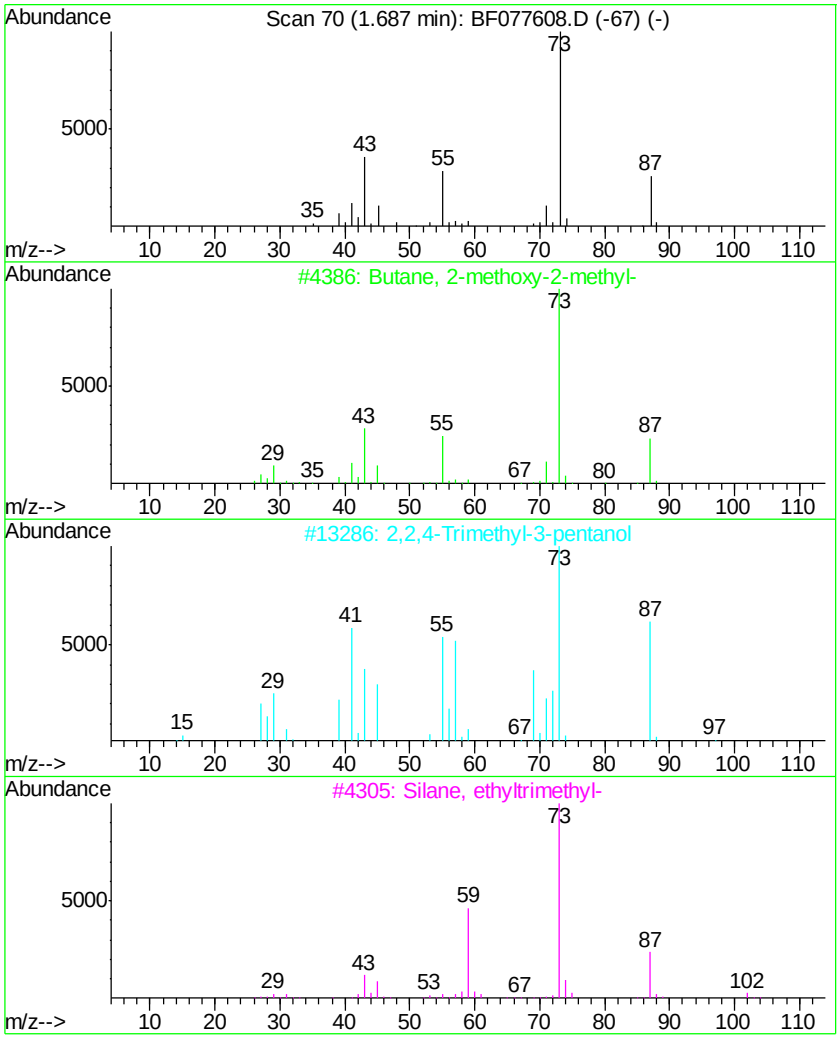
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

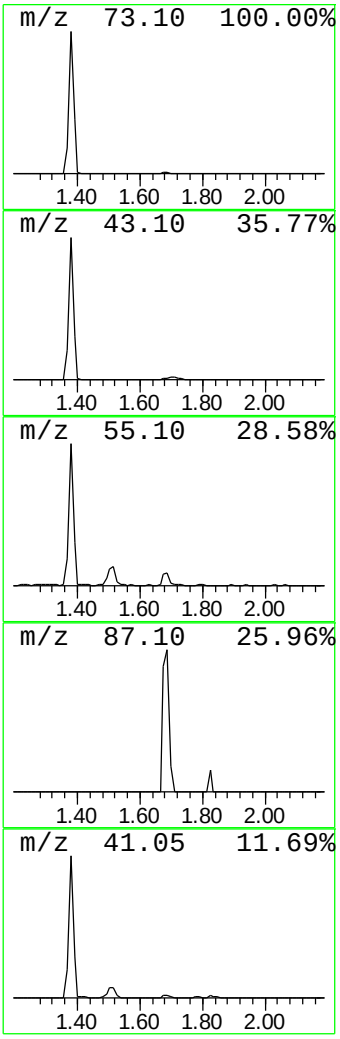
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.69	6.05 ng	111602	1,4-Dichlorobenzene-d4	7.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	36
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
Data File : BF077608.D
Acq On : 5 Mar 2015 6:24
Operator : TP/IZ
Sample : G1424-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

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

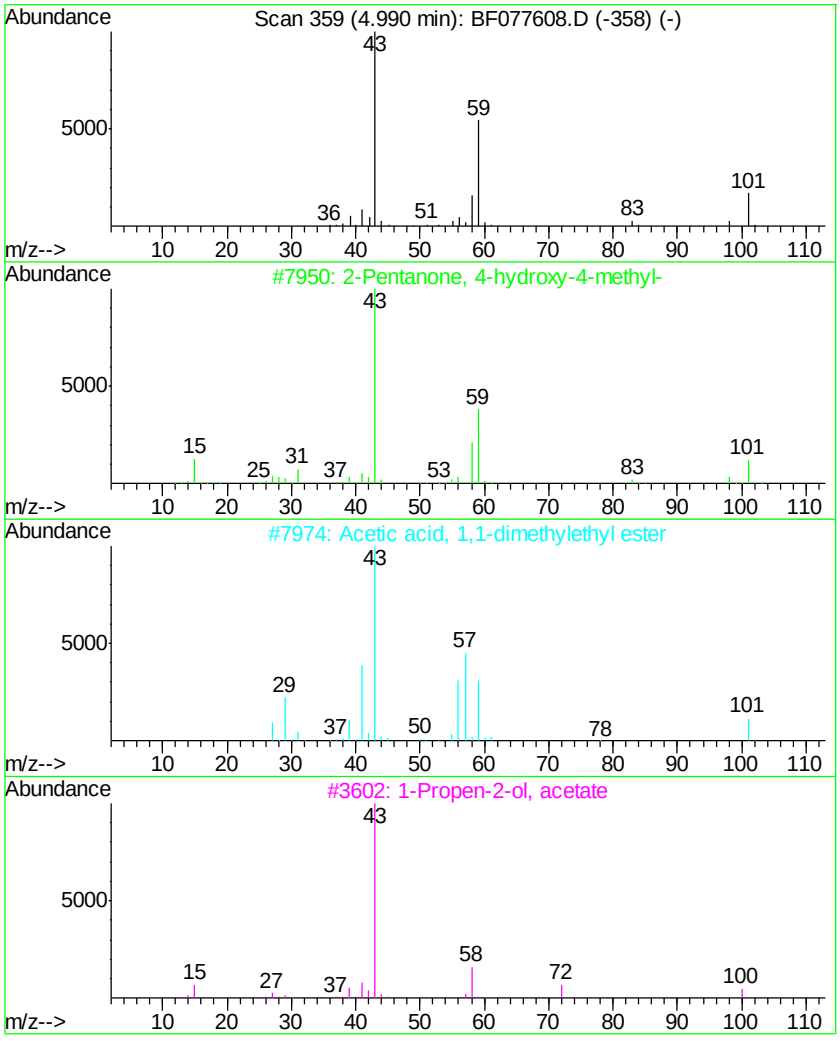
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

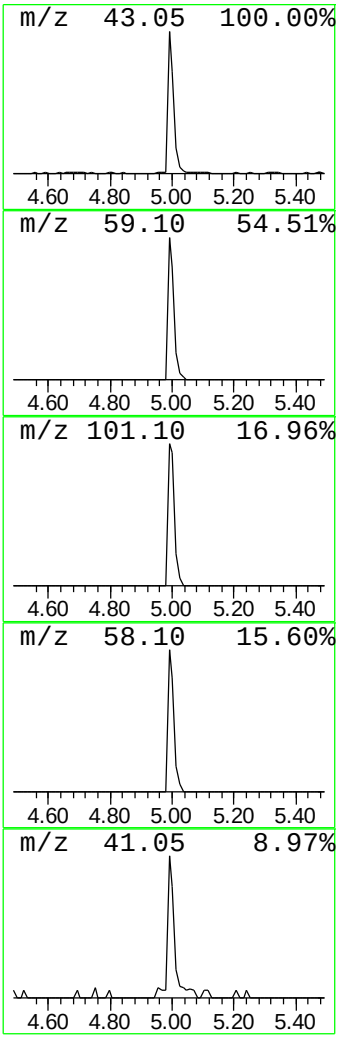
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	10.87 ng	200360	1,4-Dichlorobenzene-d4	7.22

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	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
Data File : BF077608.D
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Operator : TP/IZ
Sample : G1424-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

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

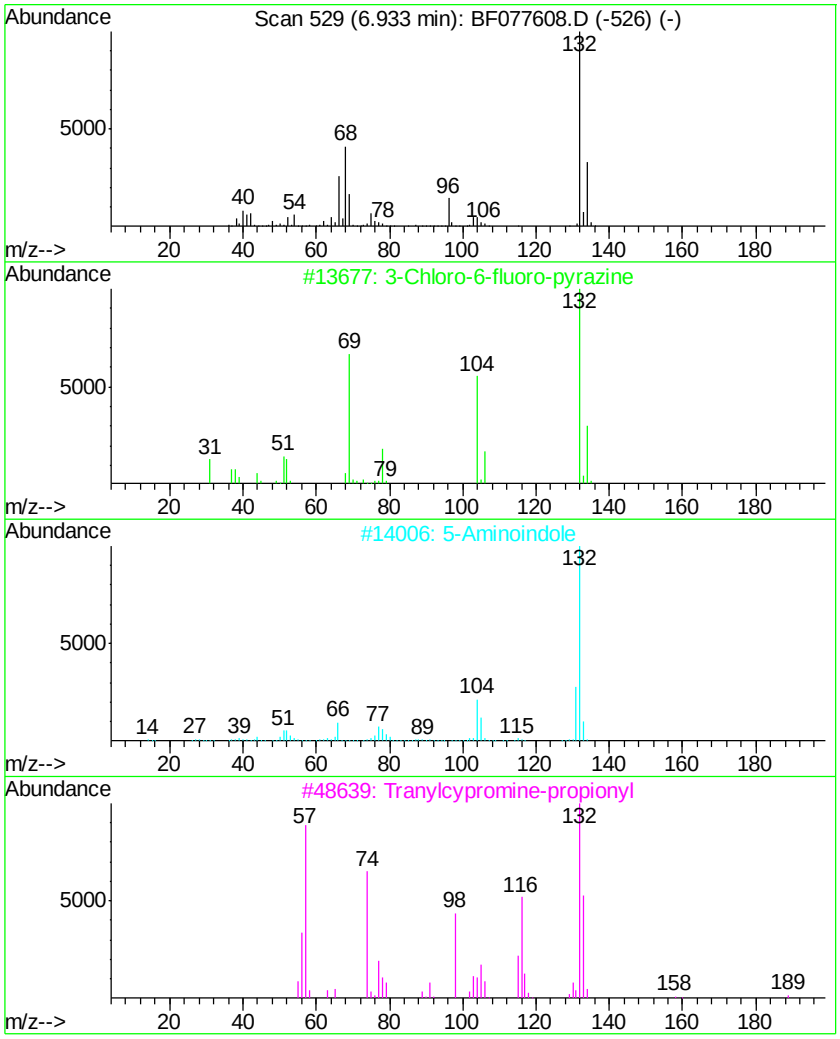
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

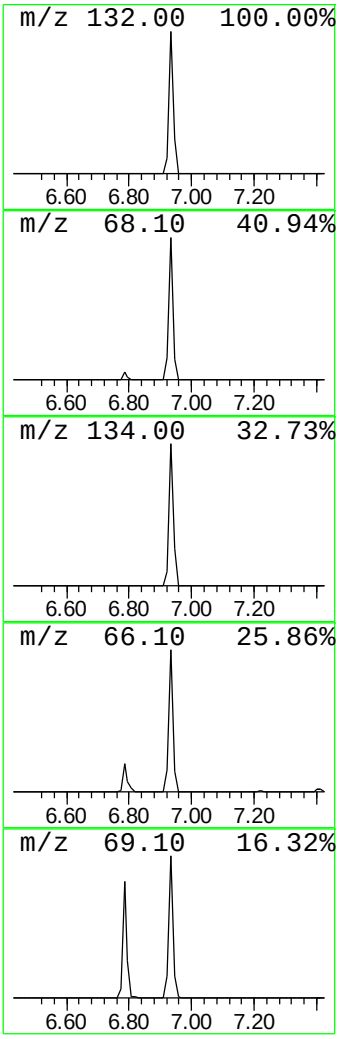
****

Peak Number 6 unknown6.93 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	72.64 ng	1339160	1,4-Dichlorobenzene-d4	7.22

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	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
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Acq On : 5 Mar 2015 6:24
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Sample : G1424-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

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

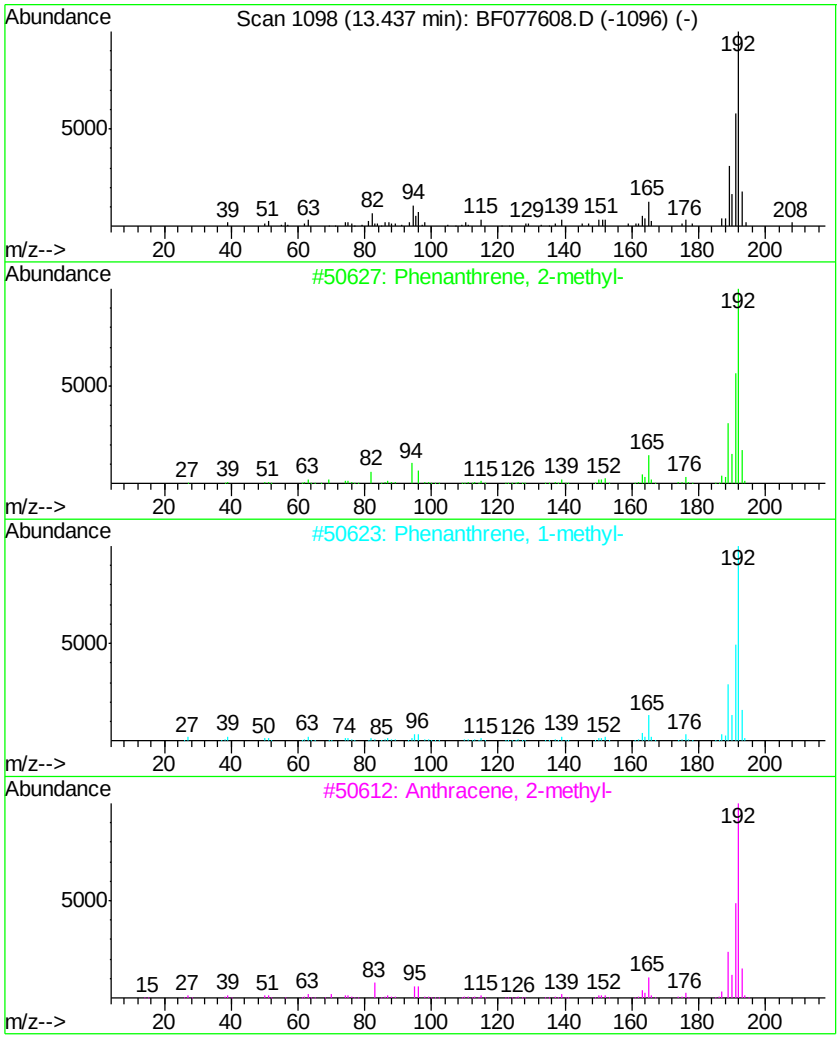
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

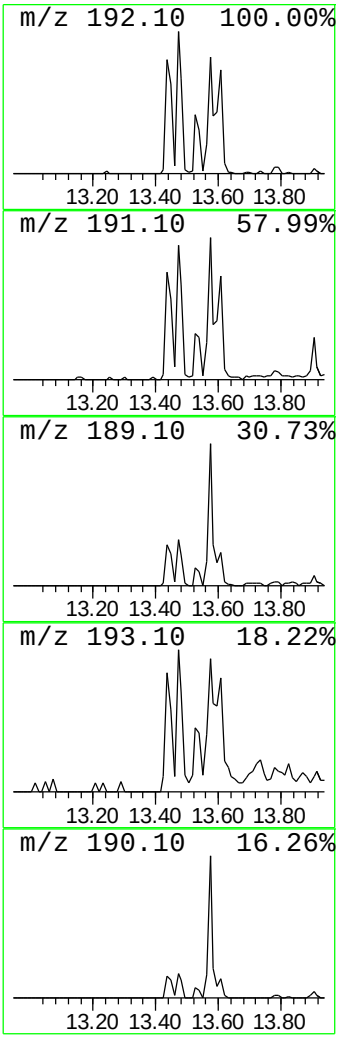
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	3.12 ng	104324	Phenanthrene-d10	12.81

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, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
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Acq On : 5 Mar 2015 6:24
Operator : TP/IZ
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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

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

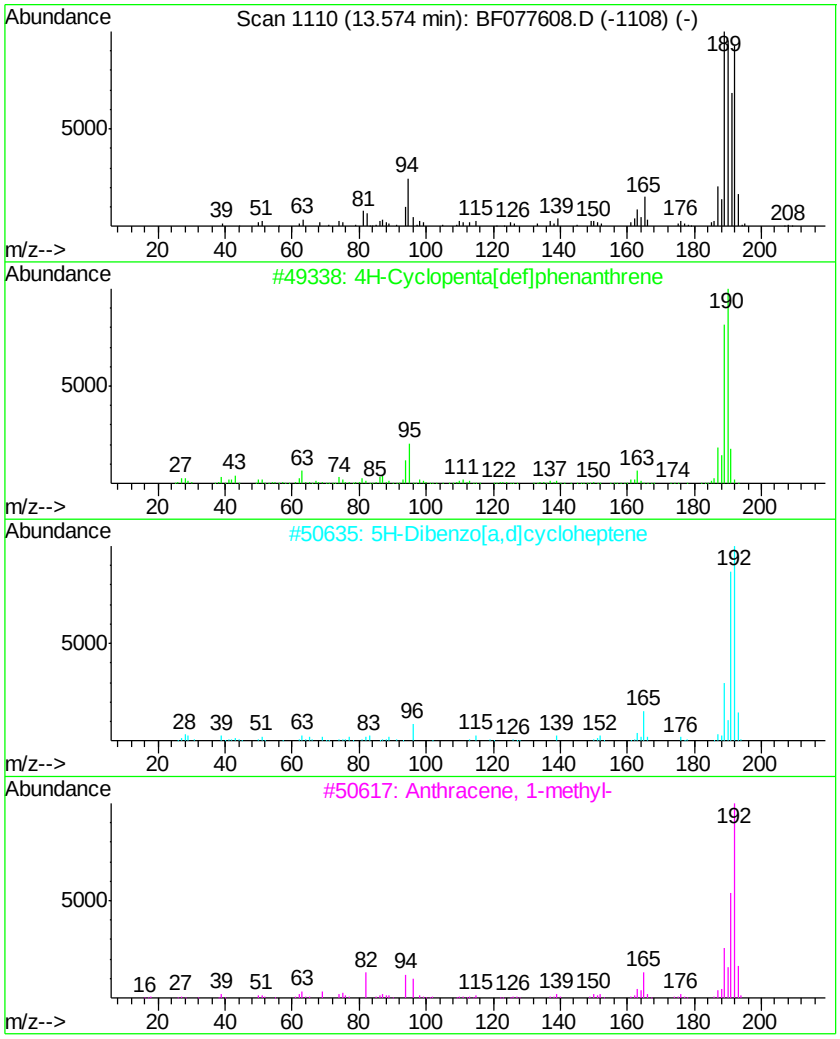
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

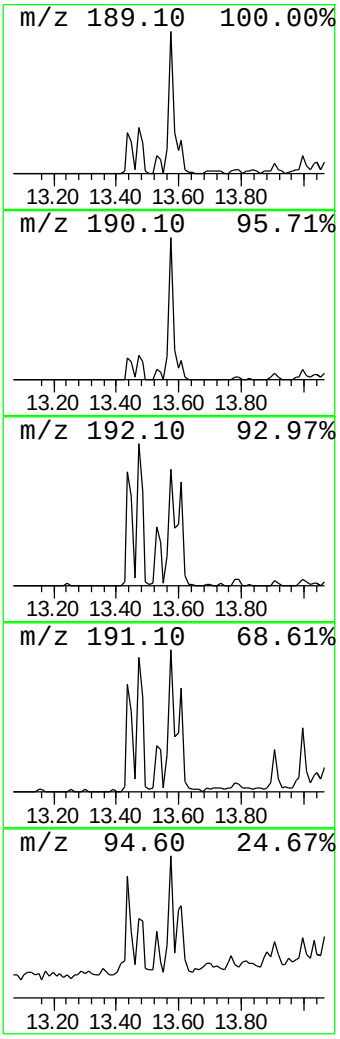
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	5.66 ng	189332	Phenanthrene-d10	12.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	41
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	41
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

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

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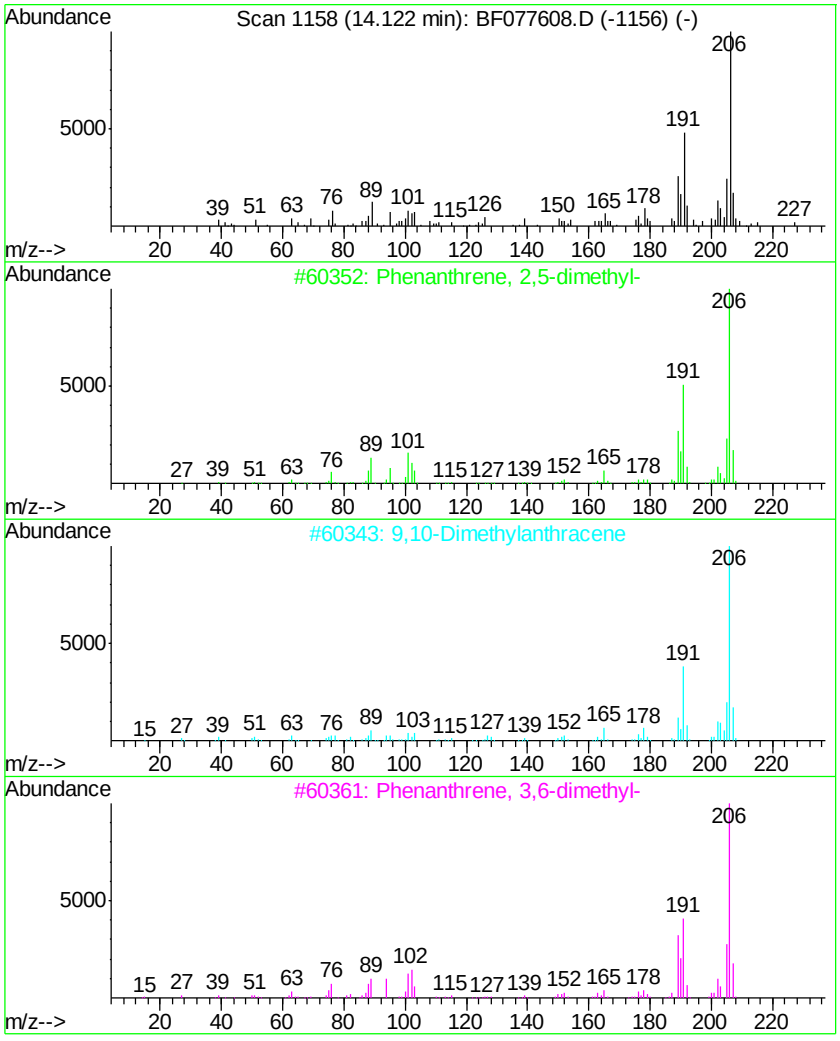
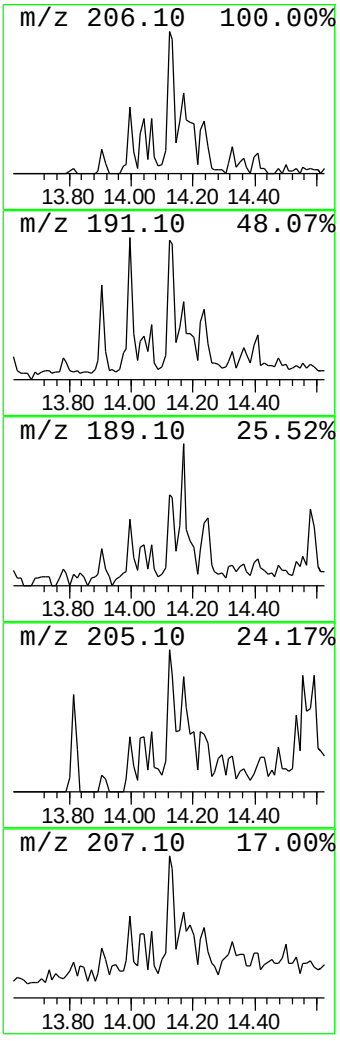
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	2.88 ng	96526	Phenanthrene-d10	12.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
Data File : BF077608.D
Acq On : 5 Mar 2015 6:24
Operator : TP/IZ
Sample : G1424-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

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

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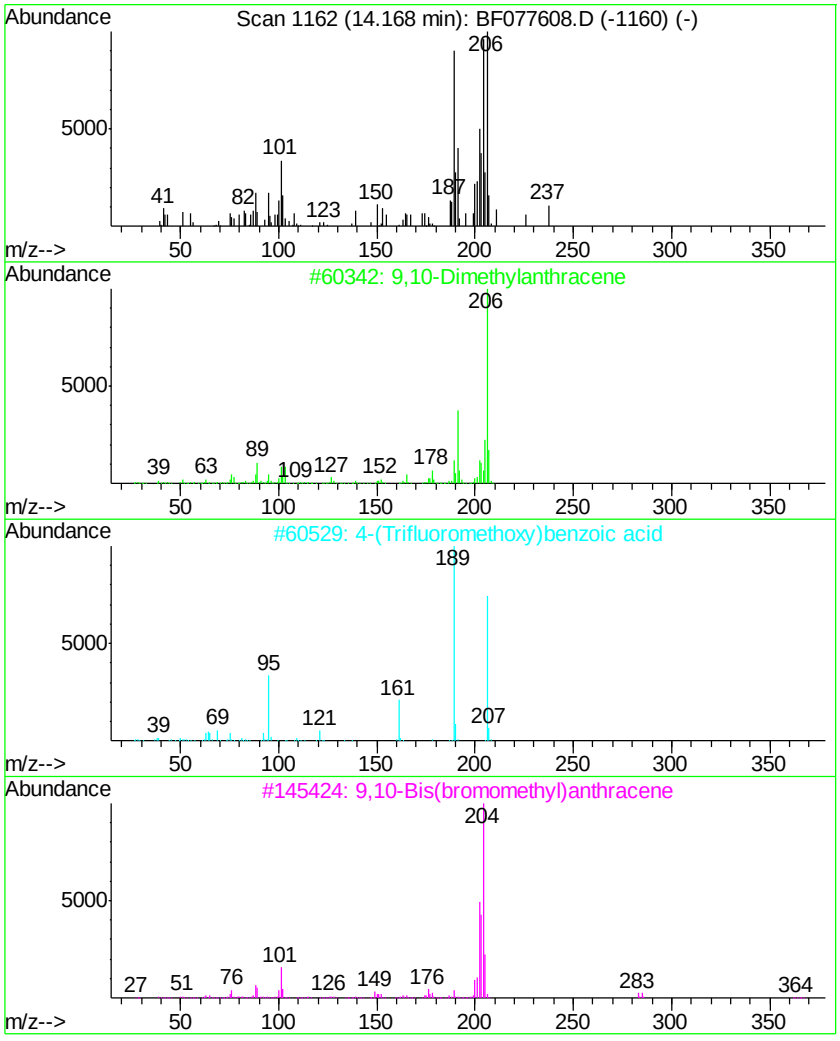
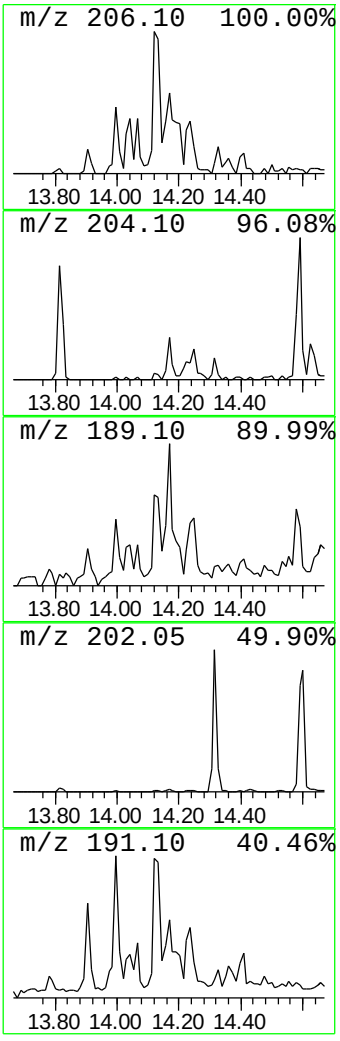
Peak Number 13 unknown14.17 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	2.56 ng	85560	Phenanthrene-d10	12.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	30
2	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	30
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27
4	[1]Benzothieno[2,3-d]pyrimidin-4...	206	C10H10N2OS	014346-24-8	25
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	20





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Data File : BF077608.D
Acq On : 5 Mar 2015 6:24
Operator : TP/IZ
Sample : G1424-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

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

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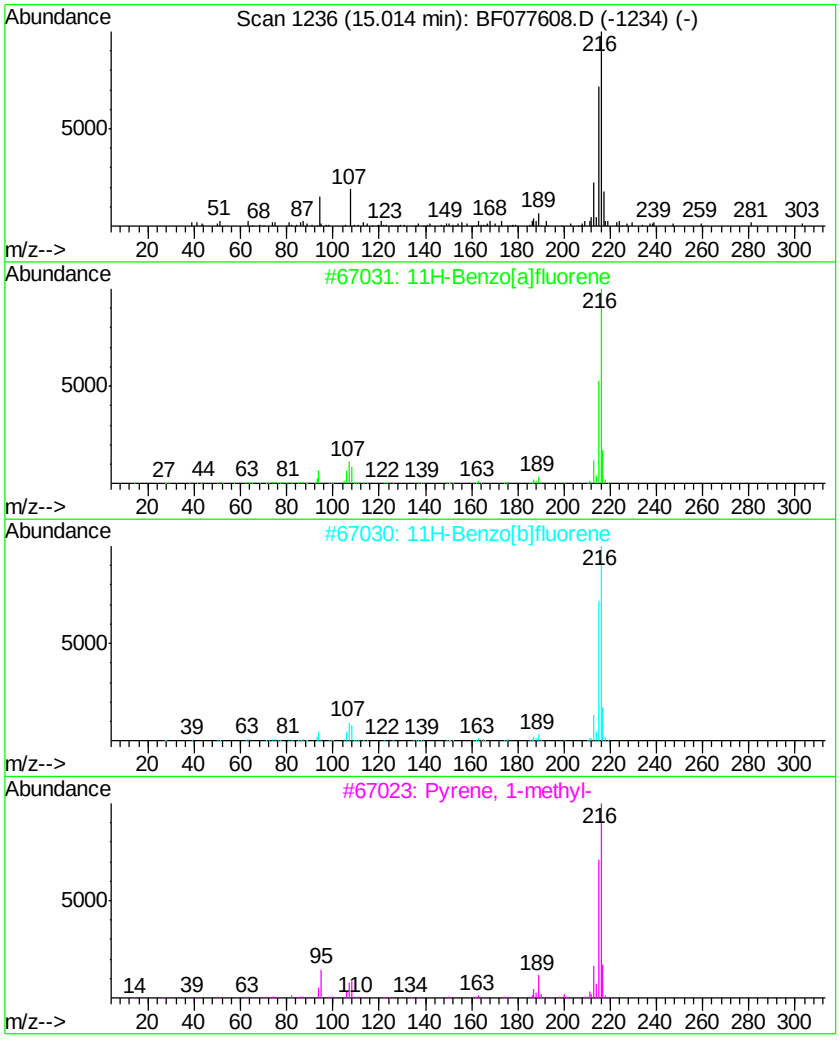
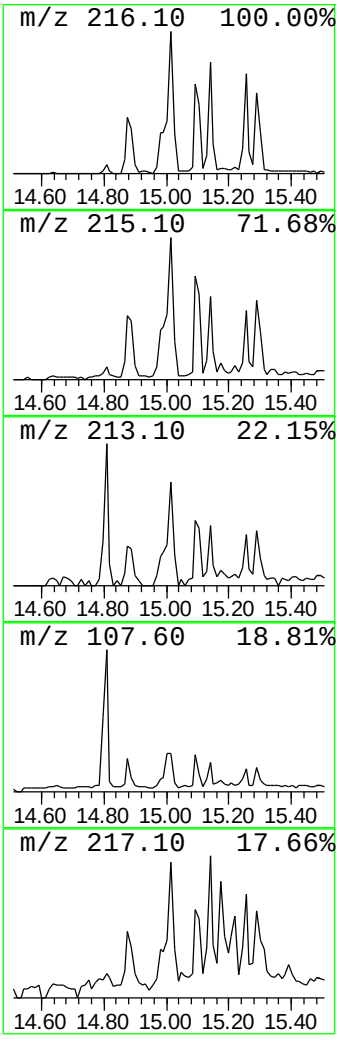
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	2.25 ng	118282	Chrysene-d12	16.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Operator : TP/IZ
Sample : G1424-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
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TIC Library : C:\DATABASE\NIST02.L
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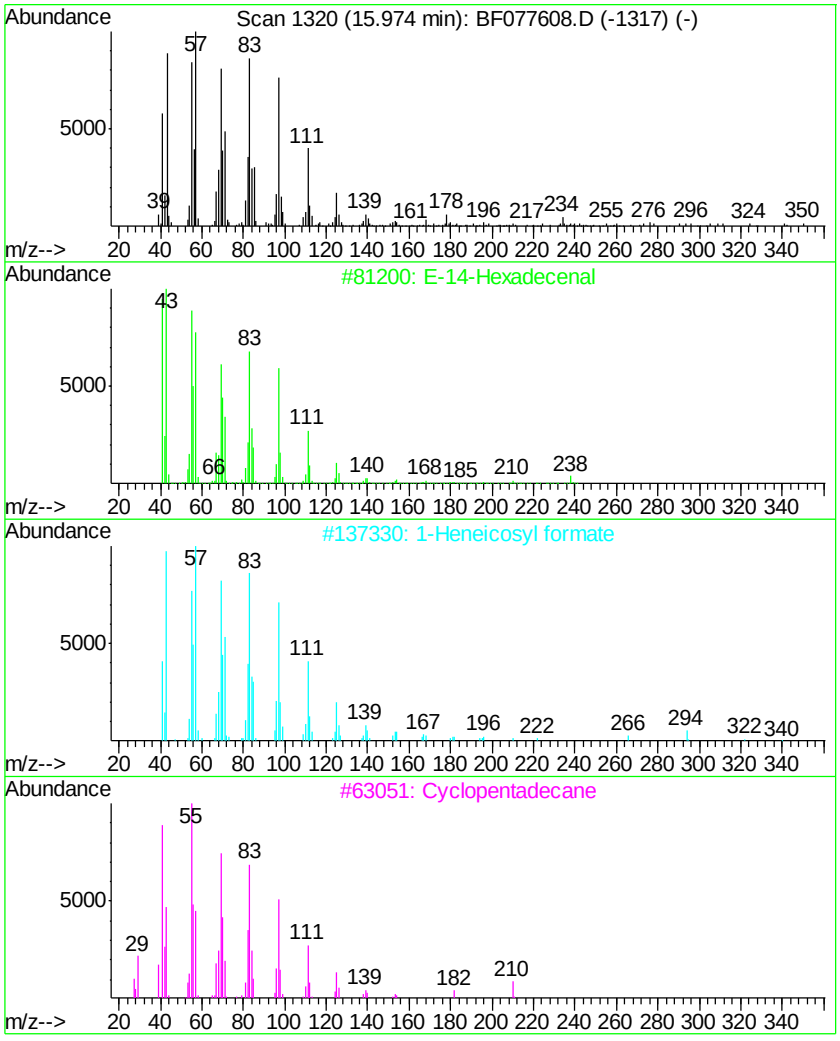
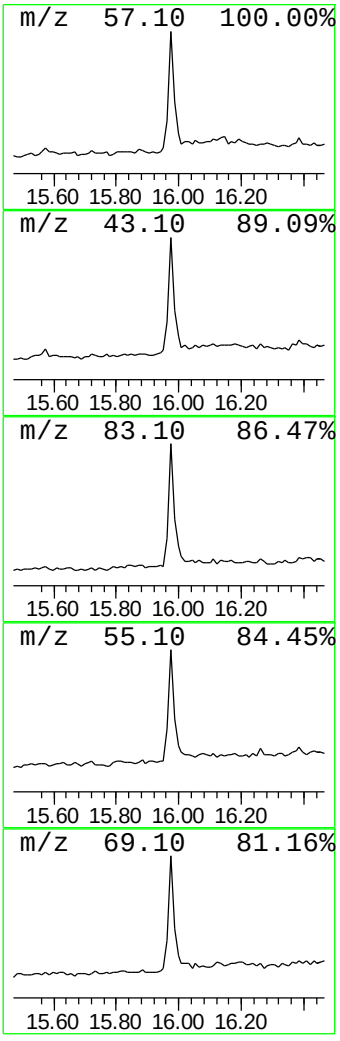
Peak Number 15 E-14-Hexadecenal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	7.33 ng	385438	Chrysene-d12	16.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	E-14-Hexadecenal	238	C16H30O	330207-53-9	95
2	1-Heneicosyl formate	340	C22H44O2	077899-03-7	95
3	Cyclopentadecane	210	C15H30	000295-48-7	94
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	94
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
Data File : BF077608.D
Acq On : 5 Mar 2015 6:24
Operator : TP/IZ
Sample : G1424-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

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

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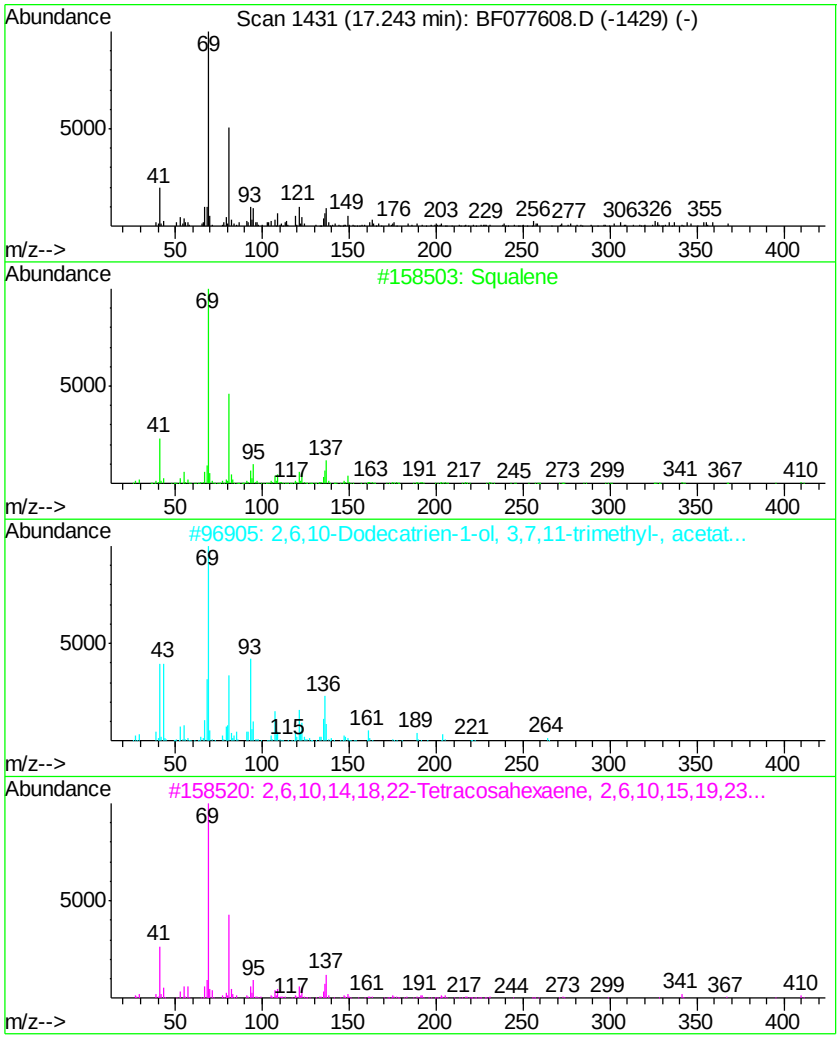
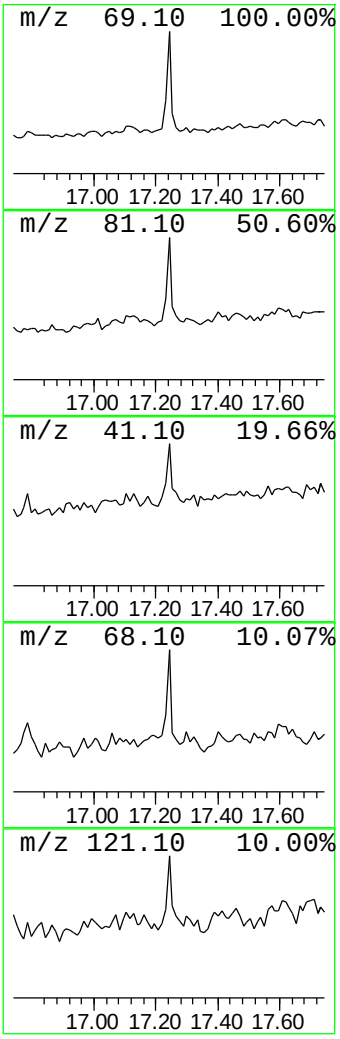
Peak Number 16 Squalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	2.11 ng	90379	Perylene-d12	17.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	74
2	2,6,10-Dodecatrien-1-ol, 3,7,11-...	264	C17H28O2	004128-17-0	72
3	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	64
4	1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	64
5	4-Methyl-1,5-Heptadiene	110	C8H14	000998-94-7	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
Data File : BF077608.D
Acq On : 5 Mar 2015 6:24
Operator : TP/IZ
Sample : G1424-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB20

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
Propane, 2,2-dime...	1.38	220.3	ng	4061140	1	7.22	368720	20.0
Butane, 2-methoxy...	1.69	6.0	ng	111602	1	7.22	368720	20.0
2-Pentanone, 4-hy...	4.99	10.9	ng	200360	1	7.22	368720	20.0
unknown6.93	6.93	72.6	ng	1339160	1	7.22	368720	20.0
Phenanthrene, 2-m...	13.44	3.1	ng	104324	4	12.81	669541	20.0
4H-Cyclopenta[def...	13.57	5.7	ng	189332	4	12.81	669541	20.0
Phenanthrene, 2,5...	14.12	2.9	ng	96526	4	12.81	669541	20.0
unknown14.17	14.17	2.6	ng	85560	4	12.81	669541	20.0
11H-Benzo[a]fluorene	15.01	2.3	ng	118282	5	16.10	1051440	20.0
E-14-Hexadecenal	15.97	7.3	ng	385438	5	16.10	1051440	20.0
Squalene	17.24	2.1	ng	90379	6	17.80	856205	20.0