LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077522.D
Acq On : 2 Mar 2015 15:08
Operator : TP/IZ
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB10

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	1.424	44	47	49	rBV	5662968	7481976	100.00%	19.069%
2	1.550	55	58	61	rVB	130024	224512	3.00%	0.572%
3	1.721	70	73	76	rBV	394913	465063	6.22%	1.185%
4	1.847	80	84	93	rVB2	79695	162363	2.17%	0.414%
5	5.036	361	363	369	rVB	331308	393221	5.26%	1.002%
6	5.550	405	408	410	rBV	1681252	1830915	24.47%	4.666%
7	6.819	516	519	521	rBV	1804461	1966765	26.29%	5.012%
8	6.967	529	532	534	rBV	2219730	1978833	26.45%	5.043%
9	7.253	555	557	559	rBV	493801	562953	7.52%	1.435%
10	7.447	571	574	576	rVB	1525074	1562002	20.88%	3.981%
11	7.950	615	618	620	rBV	1318107	1238380	16.55%	3.156%
12	8.831	693	695	698	rBV	758135	786624	10.51%	2.005%
13	10.179	811	813	816	rBV	2864928	2488085	33.25%	6.341%
14	10.682	855	857	860	rVB	86590	85266	1.14%	0.217%
15	11.002	883	885	888	rBV	745249	928691	12.41%	2.367%
16	11.905	962	964	967	rVB	92217	101882	1.36%	0.260%
17	11.985	968	971	974	rBV	1563681	1525166	20.38%	3.887%
18	12.854	1044	1047	1048	rBV	807020	1011713	13.52%	2.578%
19	12.877	1048	1049	1051	rVV	488961	413430	5.53%	1.054%
20	12.945	1051	1055	1057	rVV	93958	121862	1.63%	0.311%
21	13.482	1099	1102	1103	rBV	85861	97859	1.31%	0.249%
22	13.517	1103	1105	1107	rVV	116819	135604	1.81%	0.346%
23	13.608	1111	1113	1115	rVV	144714	189495	2.53%	0.483%
24	13.871	1133	1136	1139	rVB2	58384	123905	1.66%	0.316%
25	14.168	1159	1162	1163	rBV2	72829	100290	1.34%	0.256%
26	14.271	1169	1171	1174	rVB3	46946	81310	1.09%	0.207%
27	14.351	1176	1178	1180	rBV	664748	764064	10.21%	1.947%
28	14.534	1191	1194	1196	rBV2	42530	83308	1.11%	0.212%
29	14.637	1200	1203	1205	rVV	834458	908153	12.14%	2.315%
30	14.843	1219	1221	1224	rVB	2302613	2776854	37.11%	7.077%
31	14.923	1224	1228	1230	rBV2	53295	91023	1.22%	0.232%
32	15.025	1233	1237	1238	rBV4	62850	130790	1.75%	0.333%
33	15.048	1238	1239	1242	rVB	91631	109483	1.46%	0.279%
34	15.140	1242	1247	1249	rBV	62883	120555	1.61%	0.307%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077522.D
Acq On : 2 Mar 2015 15:08
Operator : TP/IZ
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB10

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	15.185	1249	1251	1253	rBV	97172	132143	1.77%	0.337%
36	15.334	1262	1264	1267	rVB2	78851	109125	1.46%	0.278%
37	15.563	1280	1284	1286	rBV5	29932	90404	1.21%	0.230%
38	15.688	1292	1295	1298	rVB	80133	110211	1.47%	0.281%
39	15.825	1304	1307	1309	rBV	78314	138452	1.85%	0.353%
40	15.871	1309	1311	1314	rVV2	92572	183770	2.46%	0.468%
41	15.951	1316	1318	1322	rVB	68451	103593	1.38%	0.264%
42	16.031	1322	1325	1331	rBV2	274273	449660	6.01%	1.146%
43	16.157	1332	1336	1337	rVV2	996296	1695909	22.67%	4.322%
44	16.180	1337	1338	1341	rVV	311586	456721	6.10%	1.164%
45	16.283	1344	1347	1348	rBV3	61876	75518	1.01%	0.192%
46	16.671	1378	1381	1383	rVB	82316	132702	1.77%	0.338%
47	16.831	1393	1395	1398	rBV2	41619	96163	1.29%	0.245%
48	17.277	1432	1434	1438	rBV4	36283	96934	1.30%	0.247%
49	17.494	1450	1453	1459	rBV	357919	943296	12.61%	2.404%
50	17.608	1461	1463	1466	rVB	92164	118819	1.59%	0.303%
51	17.826	1479	1482	1485	rVB	268490	353708	4.73%	0.901%
52	17.883	1485	1487	1491	rBV	344140	478118	6.39%	1.219%
53	17.951	1491	1493	1495	rBV	699600	1090661	14.58%	2.780%
54	19.254	1604	1607	1611	rVB2	52693	102837	1.37%	0.262%
55	19.414	1618	1621	1627	rVB2	194835	432757	5.78%	1.103%
56	19.609	1634	1638	1639	rBV	46990	103213	1.38%	0.263%
57	19.837	1655	1658	1668	rVB	184192	472439	6.31%	1.204%
58	20.066	1674	1678	1688	rVB2	58353	227766	3.04%	0.580%

Sum of corrected areas: 39237314

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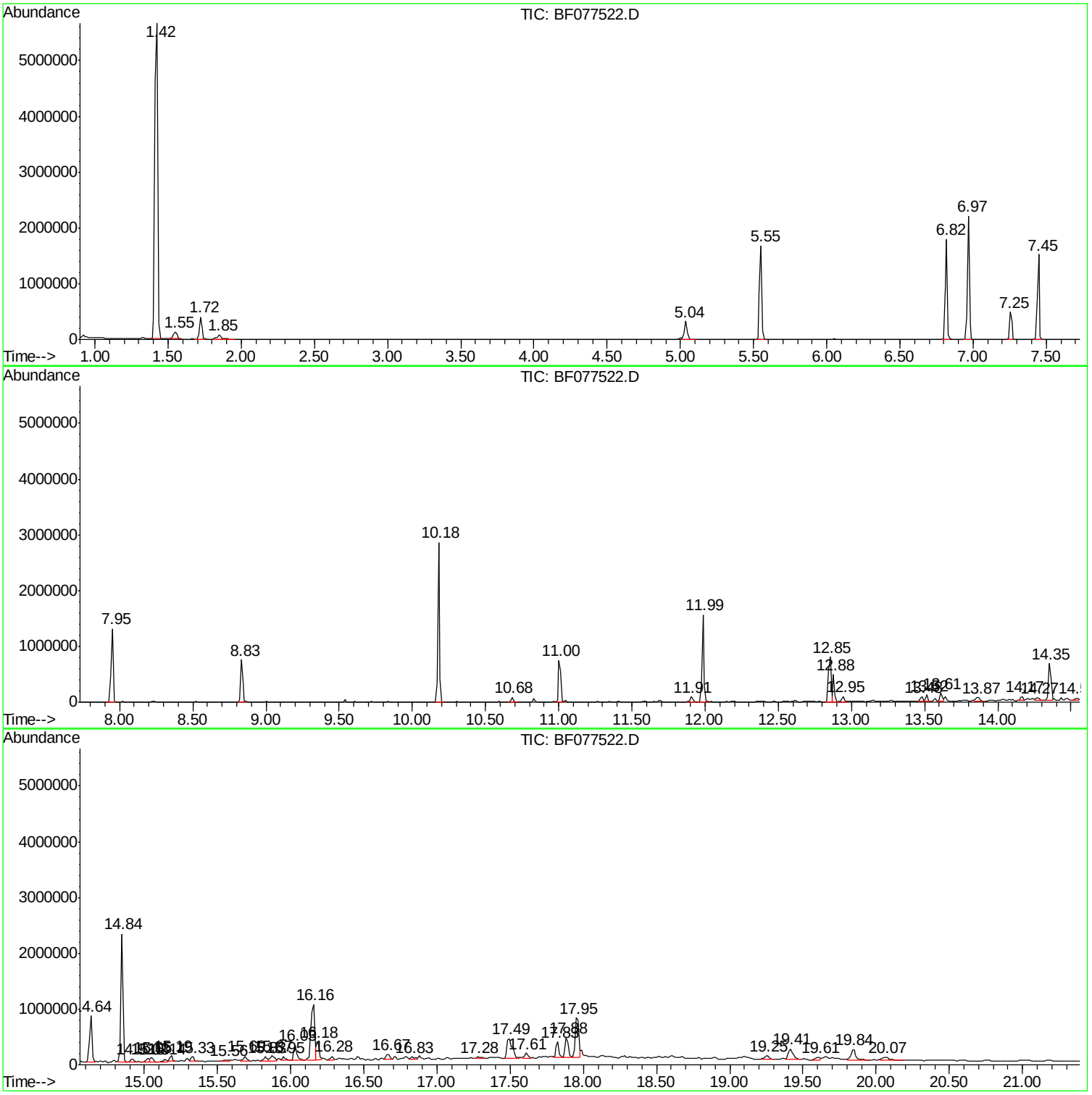
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB10

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077522.D
Acq On : 2 Mar 2015 15:08
Operator : TP/IZ
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB10

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

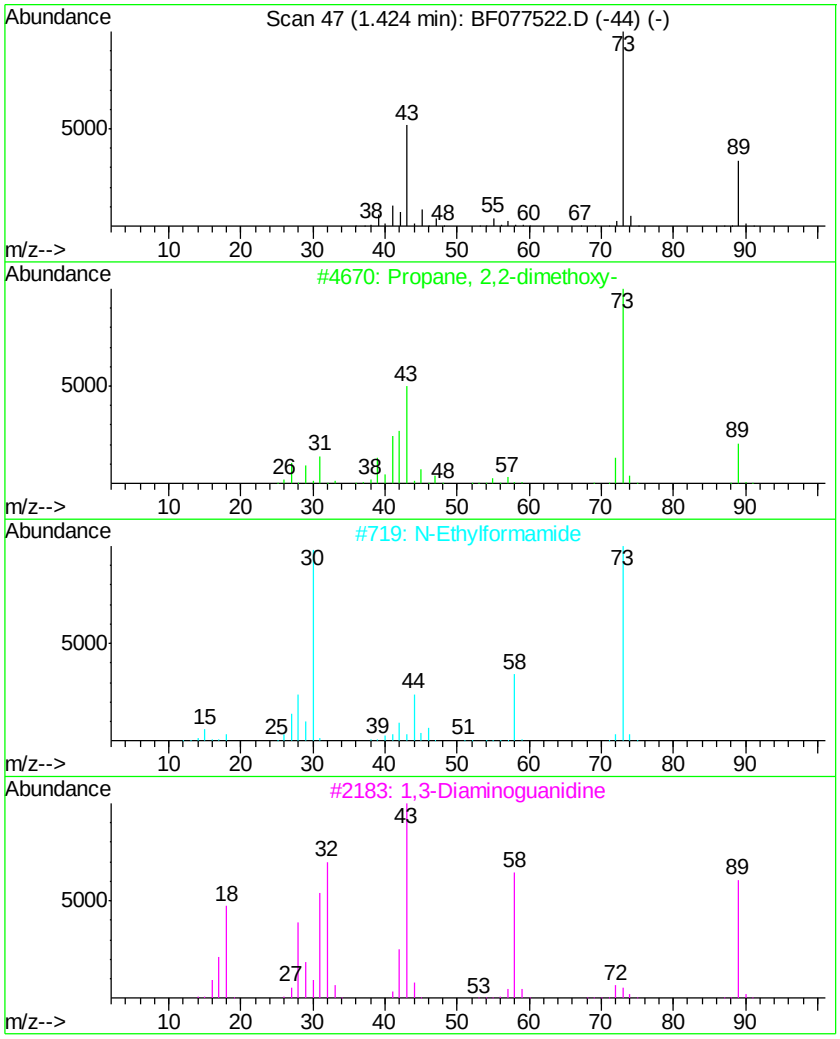
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

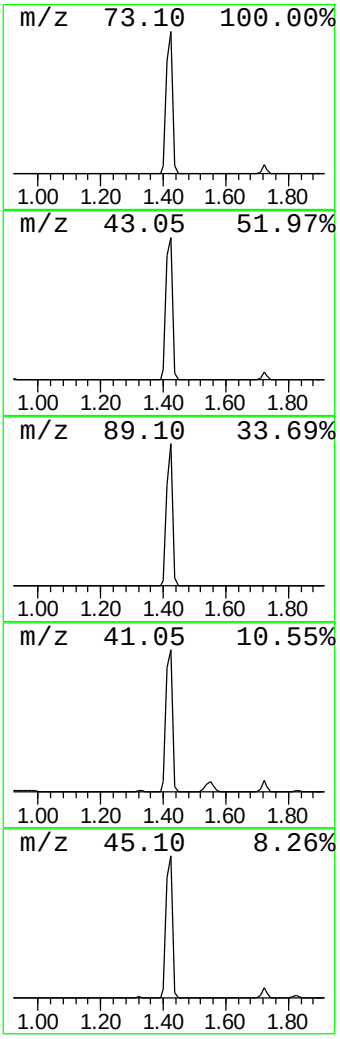
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.42	265.81 ng	7481980	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
4	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
5	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077522.D
Acq On : 2 Mar 2015 15:08
Operator : TP/IZ
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB10

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

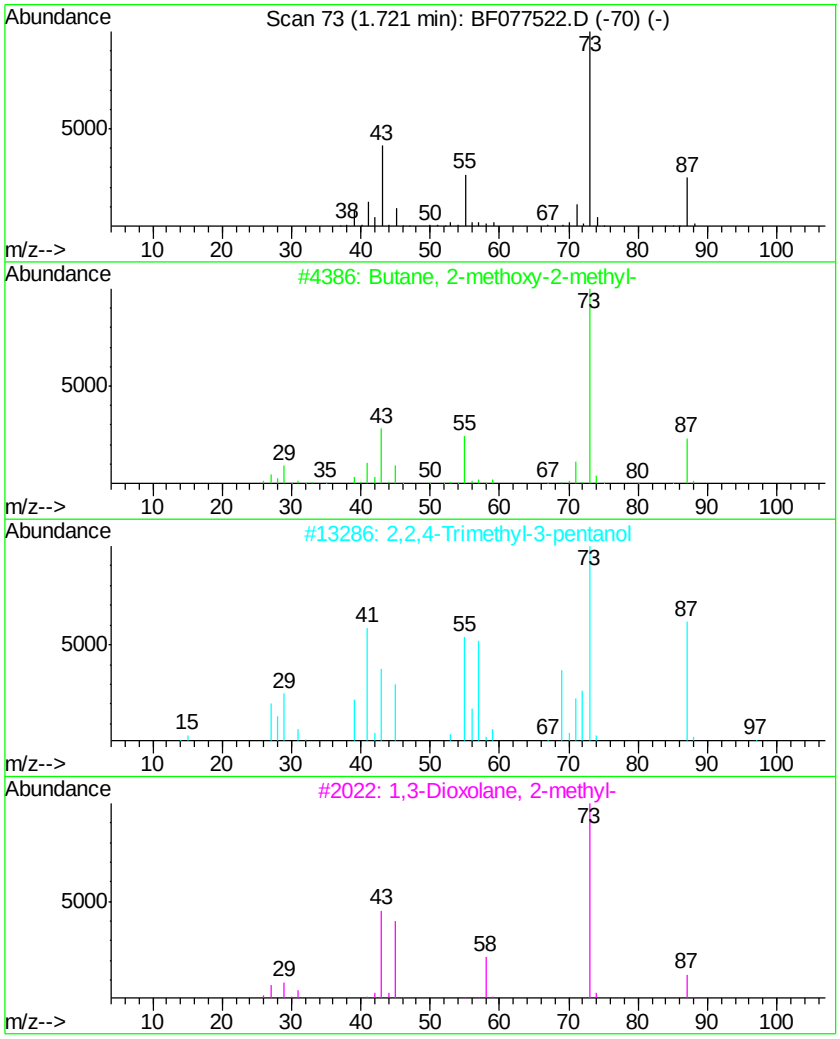
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

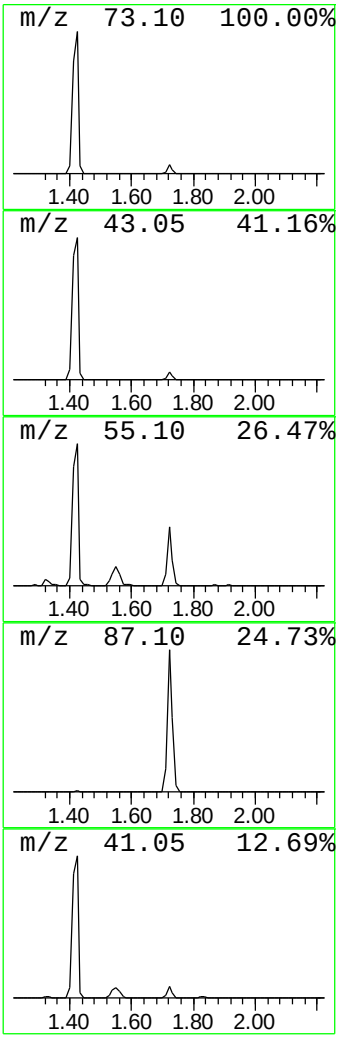
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.72	16.52 ng	465063	1,4-Dichlorobenzene-d4	7.26

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	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077522.D
Acq On : 2 Mar 2015 15:08
Operator : TP/IZ
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB10

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

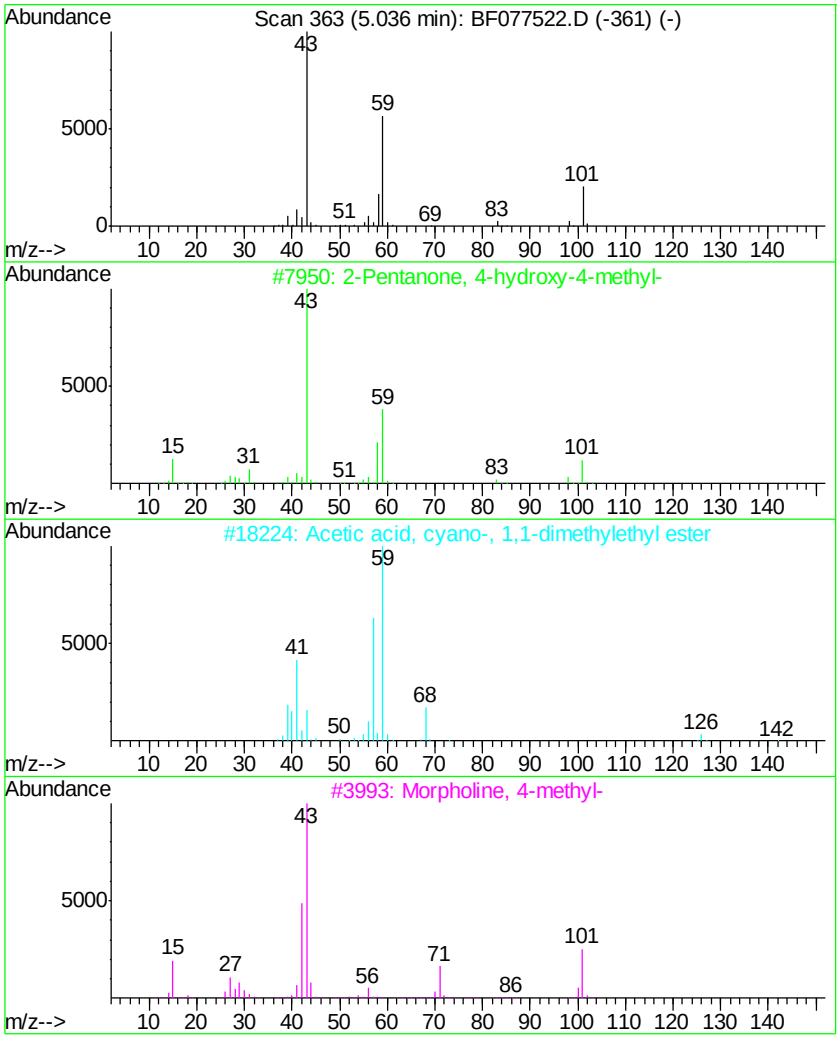
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

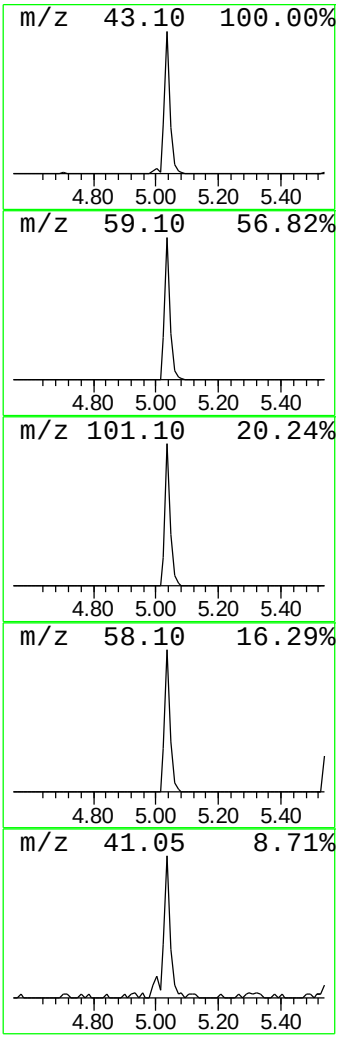
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	13.97 ng	393221	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077522.D
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Operator : TP/IZ
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB10

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

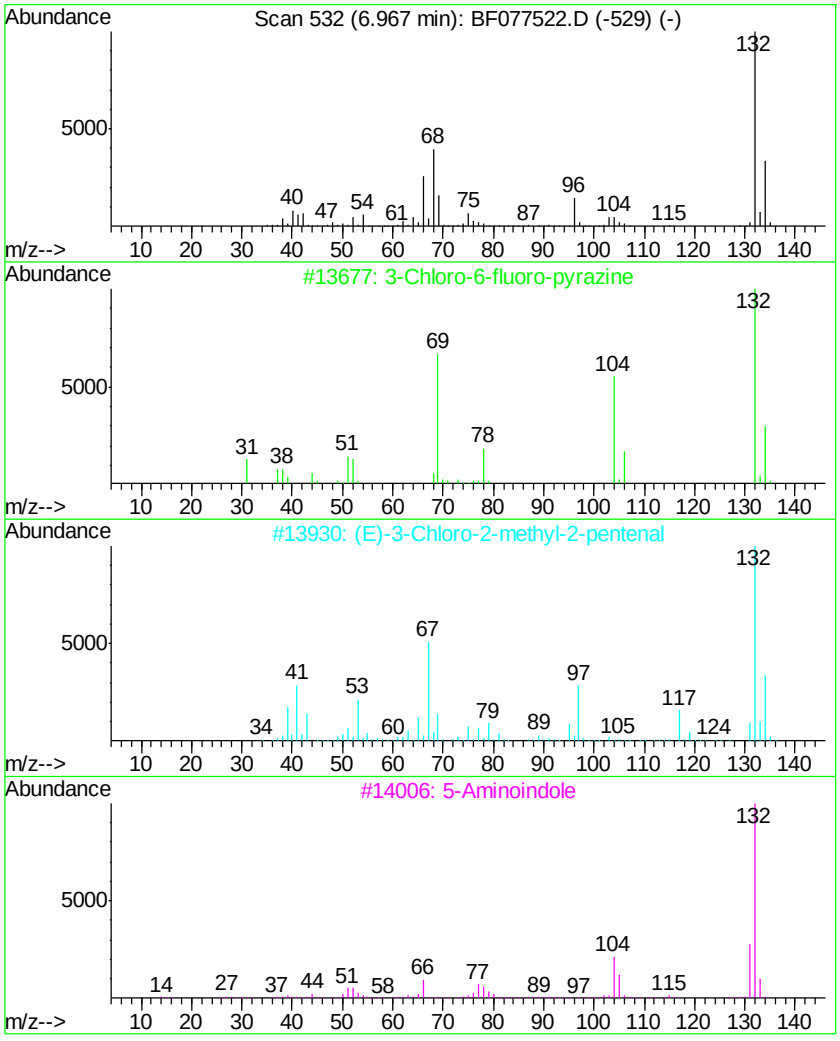
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

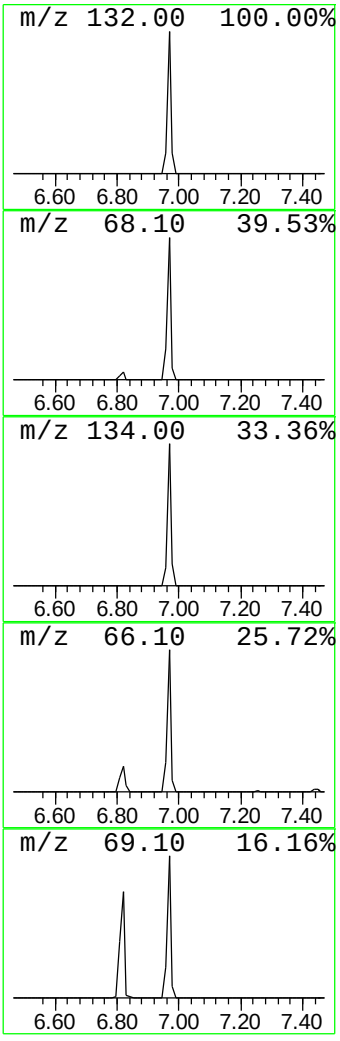
****

Peak Number 6 unknown6.97 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.97	70.30 ng	1978830	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
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Acq On : 2 Mar 2015 15:08
Operator : TP/IZ
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB10

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

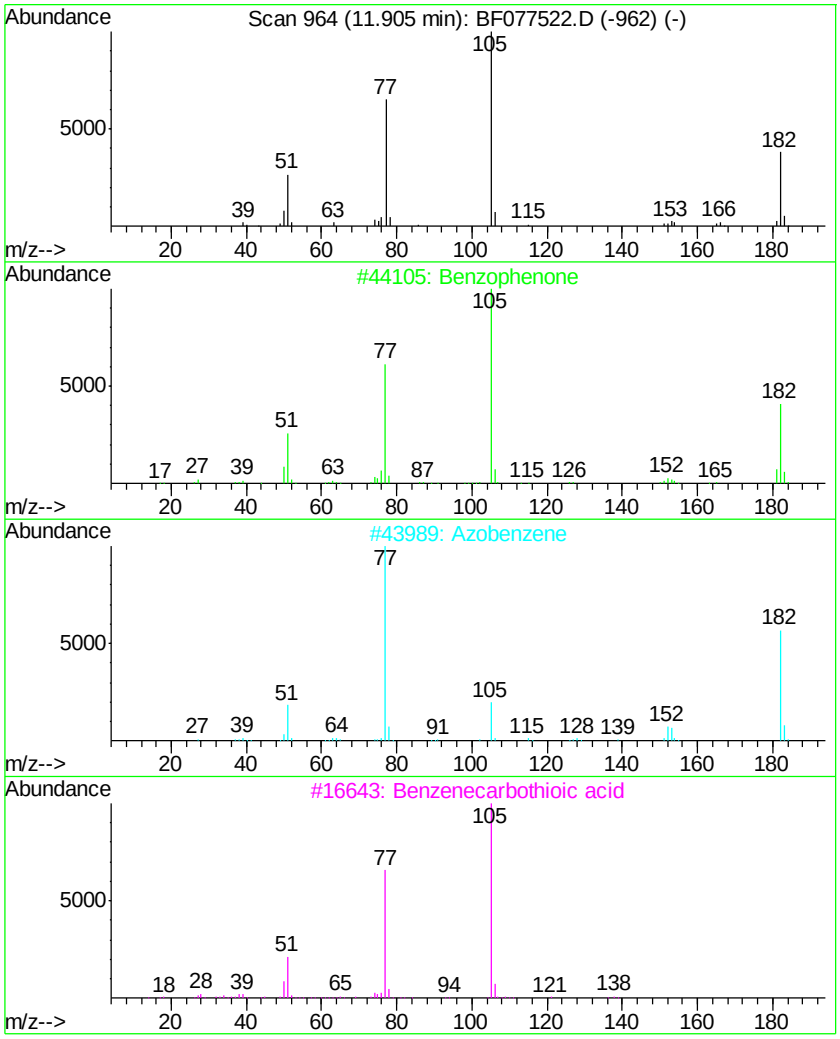
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

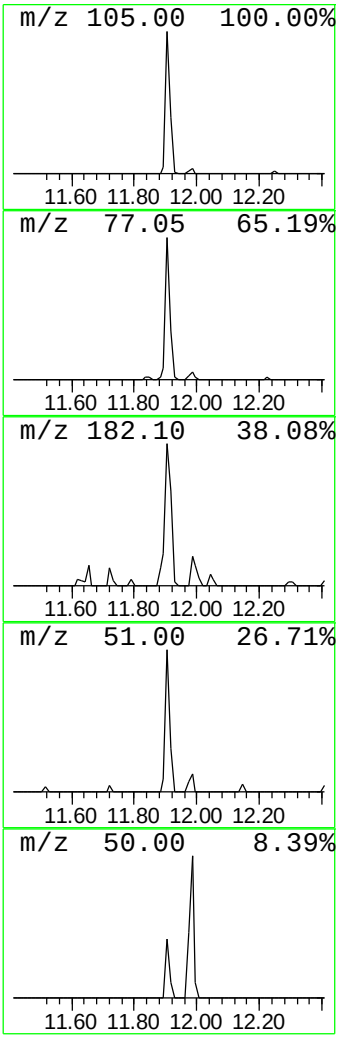
****

Peak Number 8 Benzophenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	2.19 ng	101882	Acenaphthene-d10	11.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Benzenecarbothioic acid	138	C7H6OS	000098-91-9	50
4	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	50
5	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
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Operator : TP/IZ
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB10

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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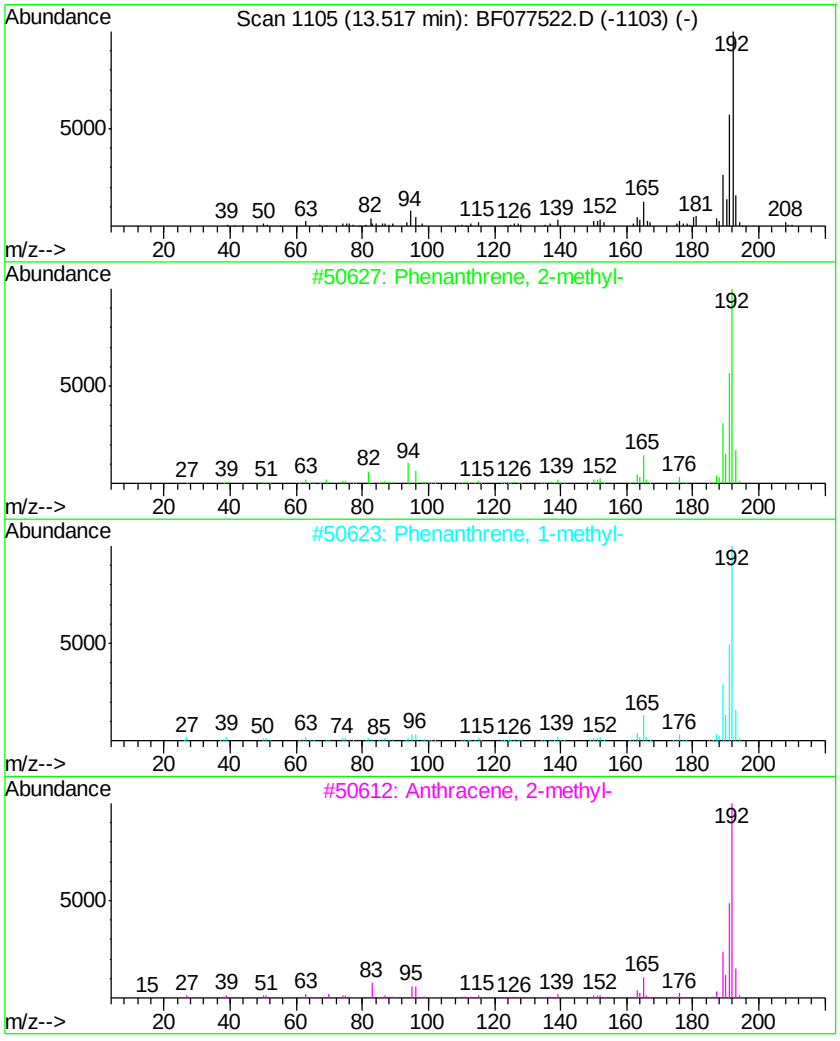
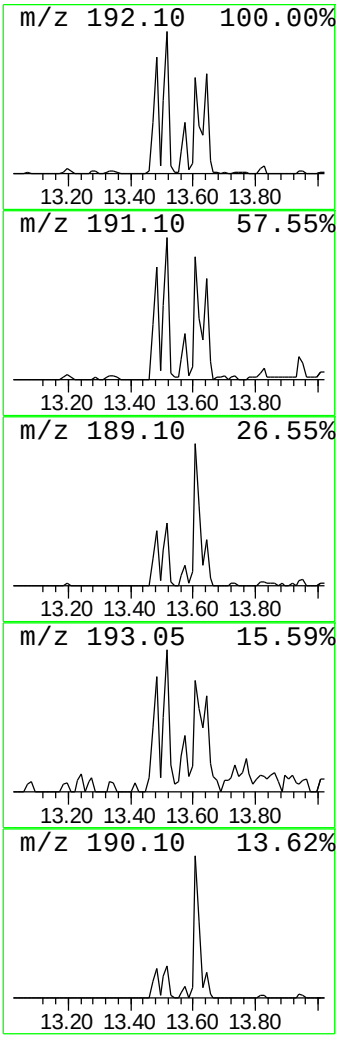
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	2.68 ng	135604	Phenanthrene-d10	12.85

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





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Operator : TP/IZ
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB10

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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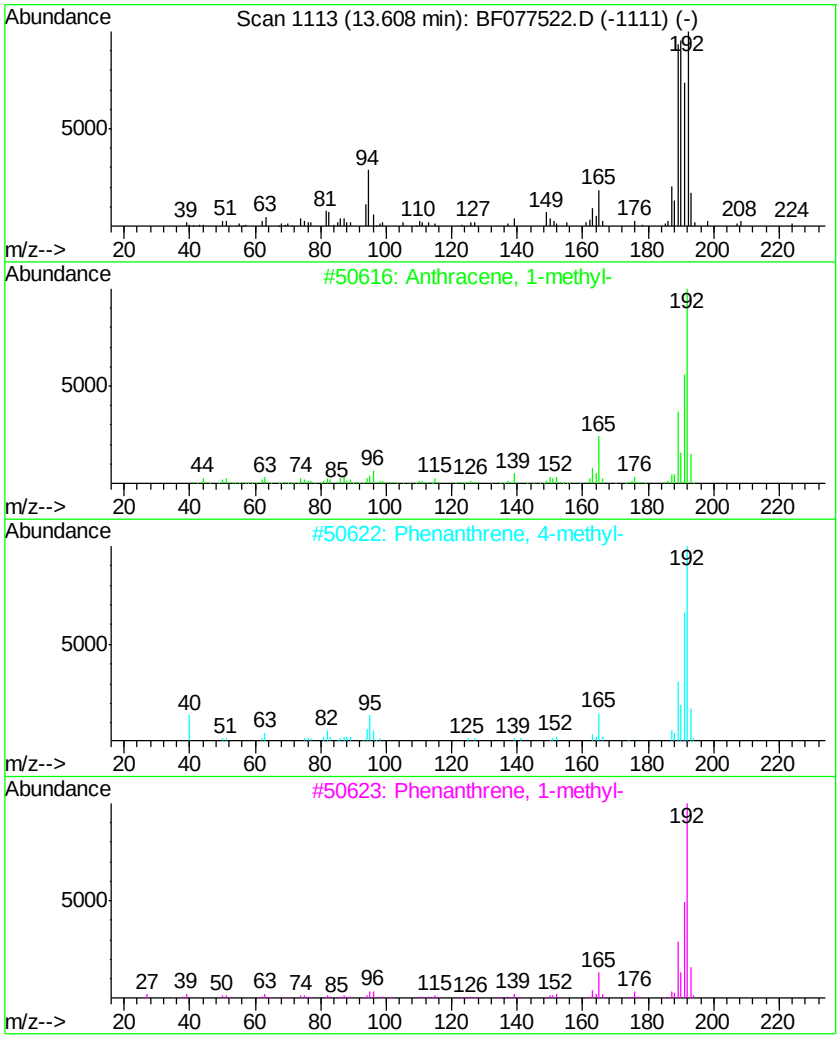
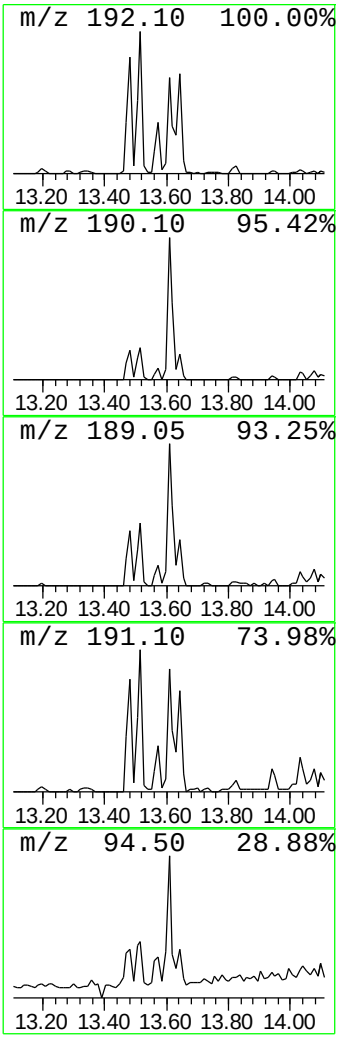
Peak Number 11 unknown13.61 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	3.75 ng	189495	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077522.D
Acq On : 2 Mar 2015 15:08
Operator : TP/IZ
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB10

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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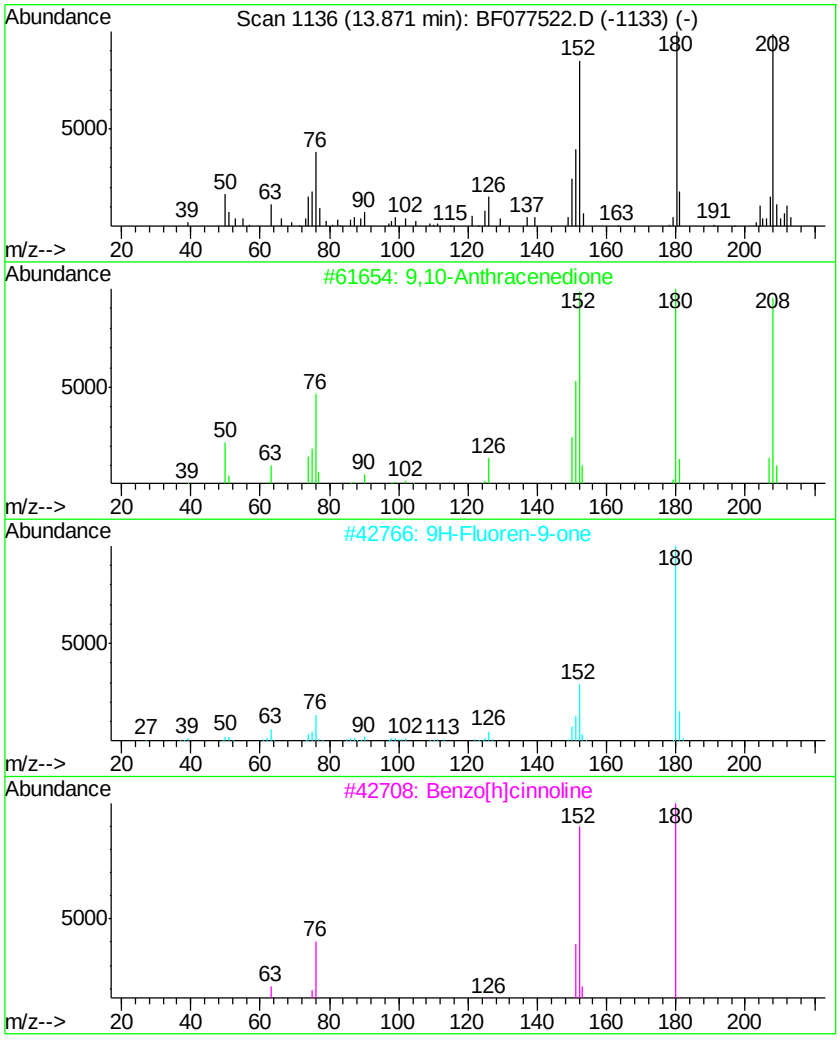
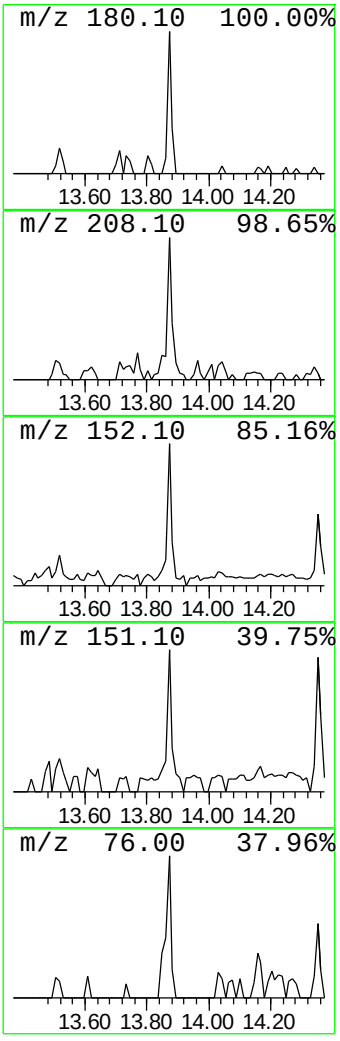
Peak Number 12 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.45 ng	123905	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58
5	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	50





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Data File : BF077522.D
Acq On : 2 Mar 2015 15:08
Operator : TP/IZ
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB10

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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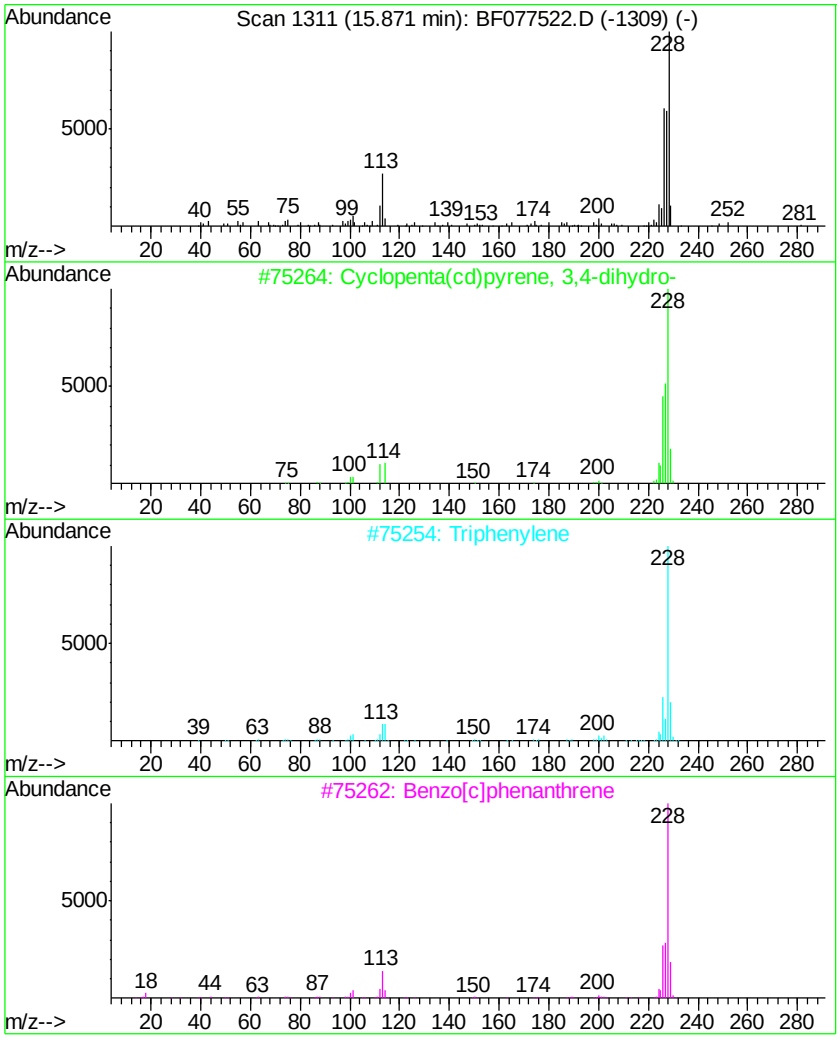
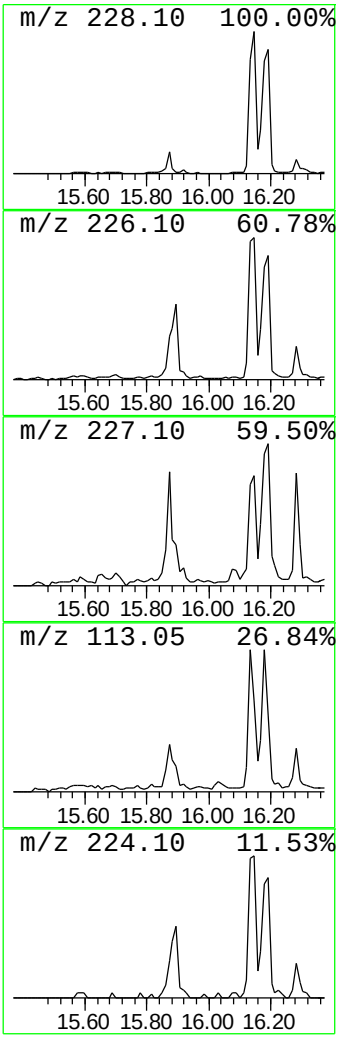
Peak Number 13 unknown15.87 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	2.17 ng	183770	Chrysene-d12	16.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
2	Triphenylene	228	C18H12	000217-59-4	43
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	40
5	1,4-Cyclohexanedicarboxylic acid...	228	C10H12O6	006289-46-9	35





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Data File : BF077522.D
Acq On : 2 Mar 2015 15:08
Operator : TP/IZ
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB10

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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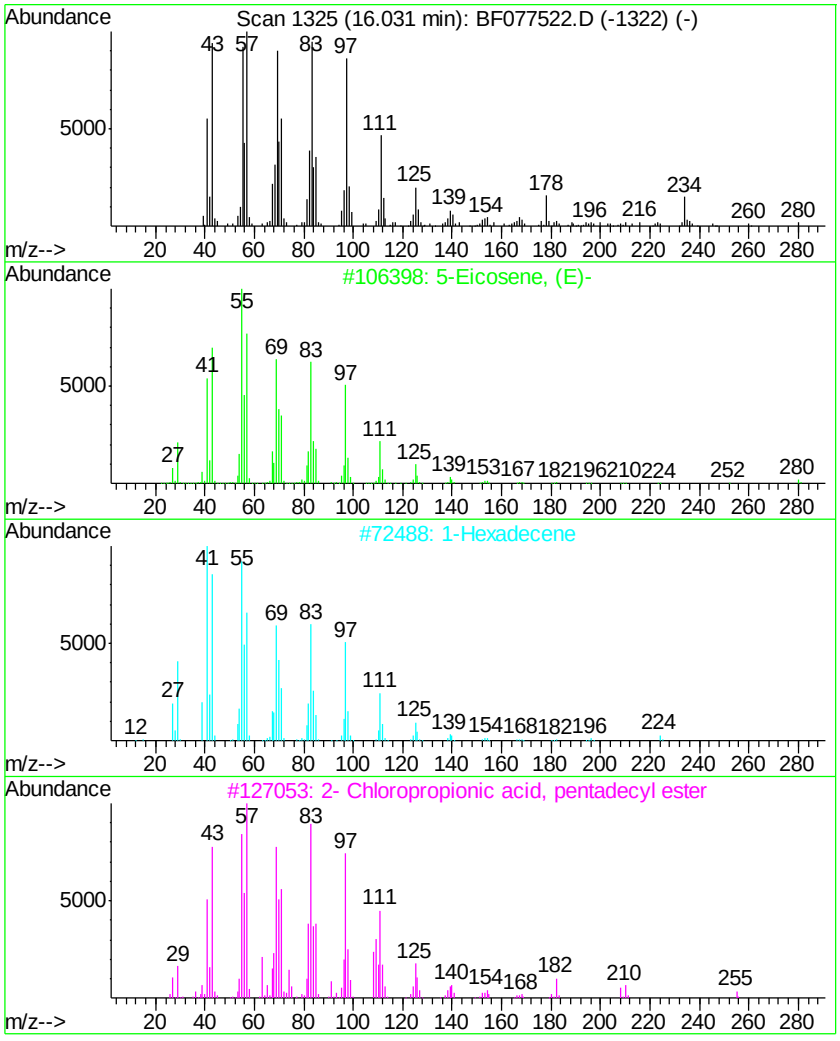
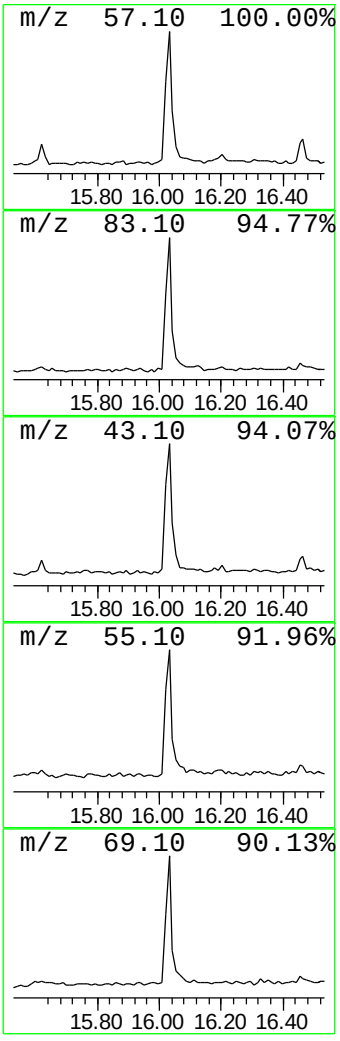
Peak Number 14 5-Eicosene, (E)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	5.30 ng	449660	Chrysene-d12	16.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	1-Hexadecene	224	C16H32	000629-73-2	96
3	2- Chloropropionic acid, pentade...	318	C18H35ClO2	1000292-44-1	94
4	1-Nonadecanol	284	C19H40O	001454-84-8	93
5	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077522.D
Acq On : 2 Mar 2015 15:08
Operator : TP/IZ
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB10

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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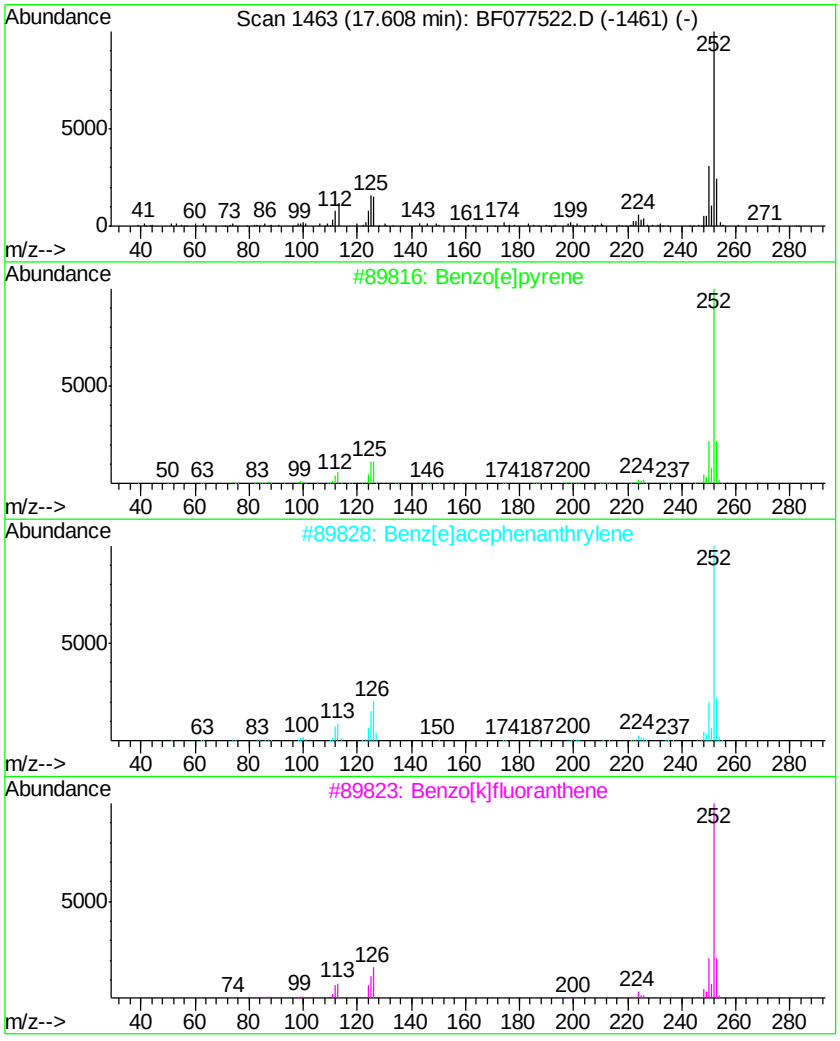
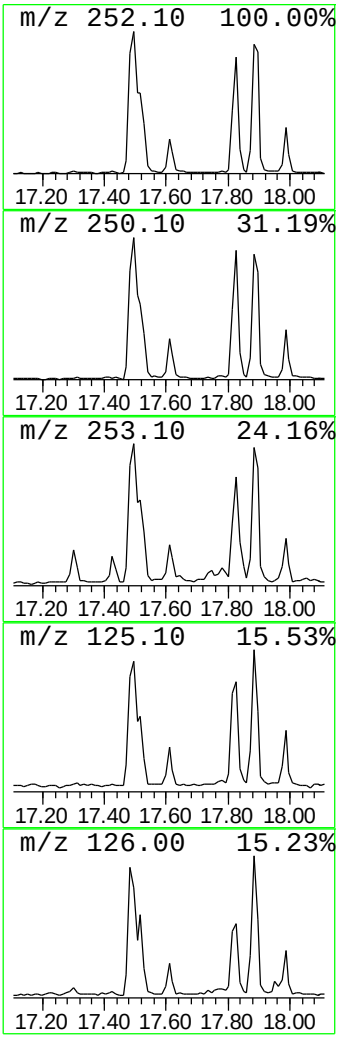
Peak Number 15 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.61	2.18 ng	118819	Perylene-d12	17.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077522.D
Acq On : 2 Mar 2015 15:08
Operator : TP/IZ
Sample : G1399-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB10

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...	1.42	265.8	ng	7481980	1	7.26	562953	20.0
Butane, 2-methoxy...	1.72	16.5	ng	465063	1	7.26	562953	20.0
2-Pentanone, 4-hy...	5.04	14.0	ng	393221	1	7.26	562953	20.0
unknown6.97	6.97	70.3	ng	1978830	1	7.26	562953	20.0
Benzophenone	11.91	2.2	ng	101882	3	11.01	928691	20.0
Phenanthrene, 2-m...	13.52	2.7	ng	135604	4	12.85	1011710	20.0
unknown13.61	13.61	3.8	ng	189495	4	12.85	1011710	20.0
9,10-Anthracenedione	13.87	2.5	ng	123905	4	12.85	1011710	20.0
unknown15.87	15.87	2.2	ng	183770	5	16.15	1695910	20.0
5-Eicosene, (E)-	16.03	5.3	ng	449660	5	16.15	1695910	20.0
Benzo[e]pyrene	17.61	2.2	ng	118819	6	17.96	1090660	20.0