LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079763.D
Acq On : 6 Jun 2015 8:51
Operator : TP/IZ
Sample : G2464-12 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16AS

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-BF060515.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	1.450	21	23	38	rVB4	176393	506755	14.36%	2.217%
2	2.410	104	107	119	rVB	2463041	3527768	100.00%	15.431%
3	6.102	428	430	433	rVB	641381	619918	17.57%	2.712%
4	7.085	514	516	518	rBV	775197	679098	19.25%	2.971%
5	7.256	529	531	533	rBV	879170	709209	20.10%	3.102%
6	7.496	550	552	553	rBV	241033	314606	8.92%	1.376%
7	7.645	563	565	568	rBV	392138	509052	14.43%	2.227%
8	8.045	597	600	602	rBV	429495	374227	10.61%	1.637%
9	8.788	663	665	667	rBV	439126	475033	13.47%	2.078%
10	9.862	754	759	761	rBV	833919	904491	25.64%	3.956%
11	10.559	818	820	822	rBV	651867	568488	16.11%	2.487%
12	11.359	887	890	892	rBV2	407046	535575	15.18%	2.343%
13	12.079	950	953	954	rBV	616364	746545	21.16%	3.266%
14	12.102	954	955	957	rVB	708445	504756	14.31%	2.208%
15	12.719	1007	1009	1016	rBV2	153780	343723	9.74%	1.504%
16	13.382	1064	1067	1069	rBV	1014148	1254144	35.55%	5.486%
17	13.645	1085	1090	1092	rBV	875909	1476947	41.87%	6.460%
18	13.782	1099	1102	1104	rBV	1044103	1118055	31.69%	4.891%
19	13.885	1108	1111	1115	rBV3	94032	218318	6.19%	0.955%
20	14.011	1118	1122	1124	rVB	165501	264323	7.49%	1.156%
21	14.137	1130	1133	1135	rBV2	128113	180538	5.12%	0.790%
22	14.765	1184	1188	1189	rBV2	90397	182674	5.18%	0.799%
23	14.834	1192	1194	1196	rBV2	160434	249695	7.08%	1.092%
24	15.074	1212	1215	1217	rBV2	814072	1548085	43.88%	6.772%
25	15.108	1217	1218	1223	rVB	489523	572425	16.23%	2.504%
26	16.468	1334	1337	1342	rBV	492093	1241559	35.19%	5.431%
27	16.880	1370	1373	1377	rVB	350134	547589	15.52%	2.395%
28	16.960	1377	1380	1385	rBV	428671	740404	20.99%	3.239%
29	17.051	1385	1388	1390	rVV	432106	729664	20.68%	3.192%
30	17.086	1390	1391	1396	rVB2	142389	243116	6.89%	1.063%
31	19.052	1560	1563	1570	rVB2	192321	526902	14.94%	2.305%
32	19.657	1613	1616	1624	rVB	167967	447638	12.69%	1.958%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079763.D
Acq On : 6 Jun 2015 8:51
Operator : TP/IZ
Sample : G2464-12 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16AS

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-BF060515.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 22861320

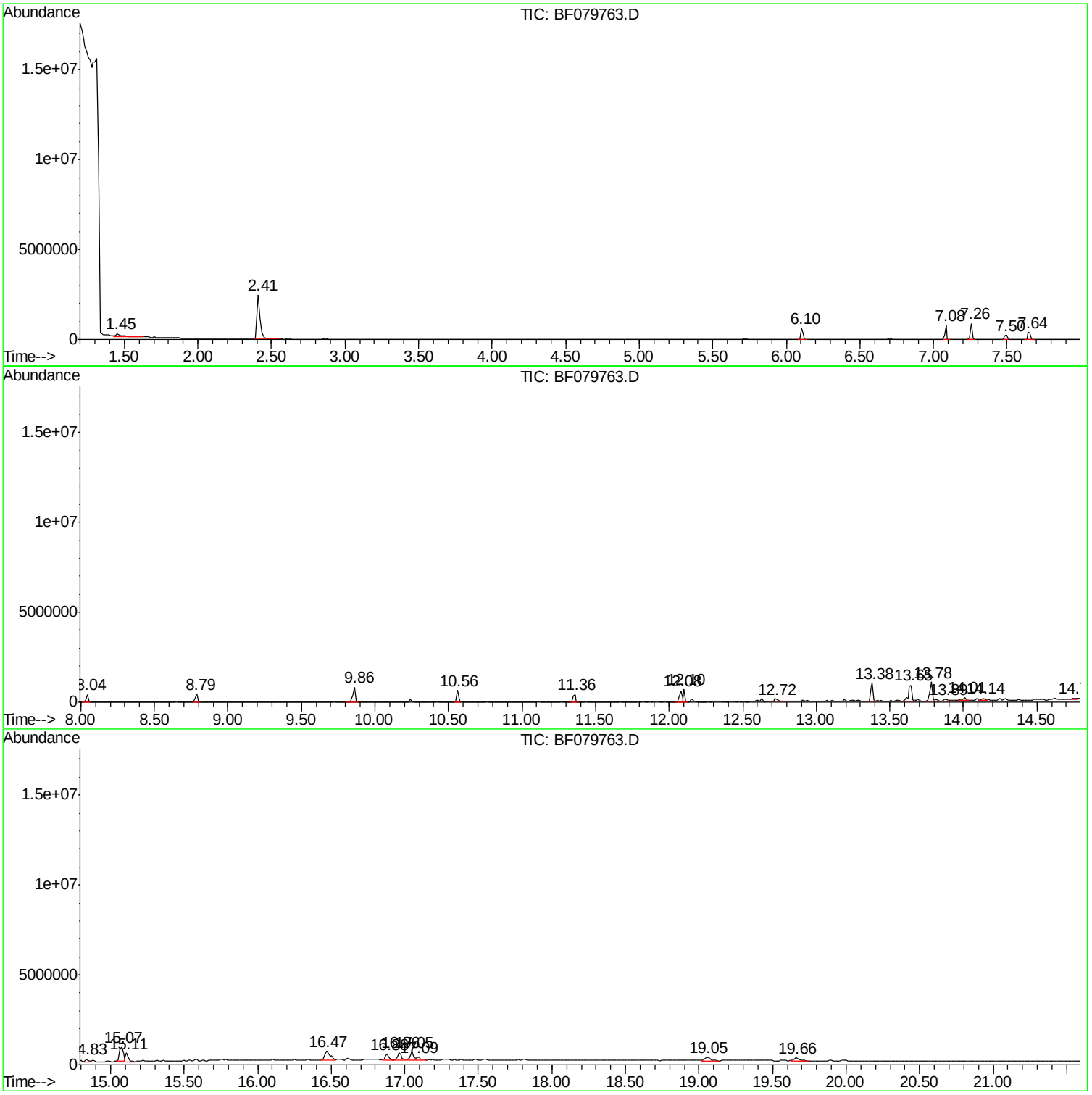
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079763.D
Acq On : 6 Jun 2015 8:51
Operator : TP/IZ
Sample : G2464-12 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-16AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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\BF060515\
Data File : BF079763.D
Acq On : 6 Jun 2015 8:51
Operator : TP/IZ
Sample : G2464-12 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

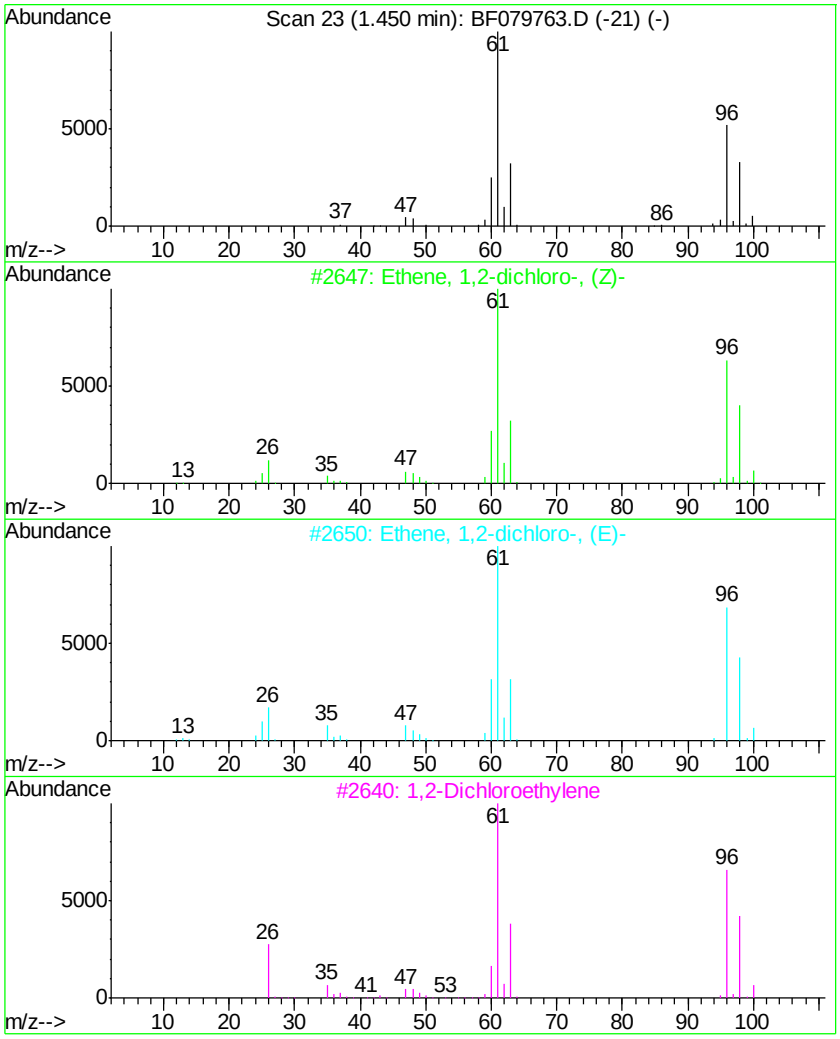
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

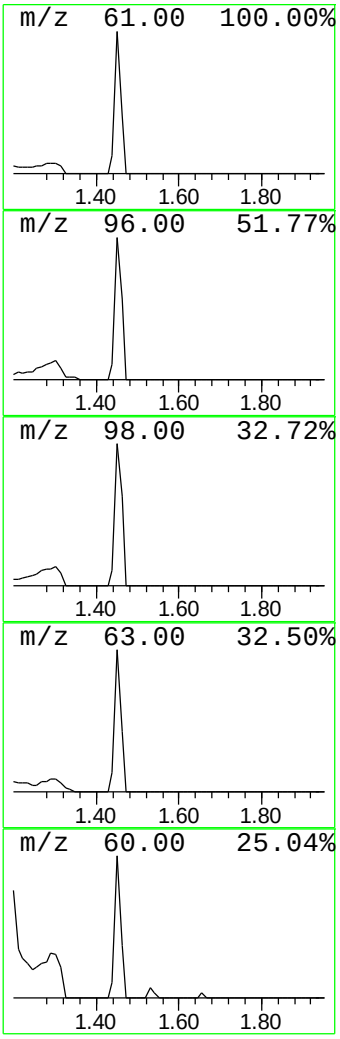
****

Peak Number 1 Ethene, 1,2-dichloro-, (Z)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.45	32.22 ng	506755	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethene, 1,2-dichloro-, (Z)-	96	C2H2Cl2	000156-59-2	97
2	Ethene, 1,2-dichloro-, (E)-	96	C2H2Cl2	000156-60-5	91
3	1,2-Dichloroethylene	96	C2H2Cl2	000540-59-0	91
4	Ethene, 1,1-dichloro-	96	C2H2Cl2	000075-35-4	90
5	Chloromethylmethyl sulfide	96	C2H5ClS	002373-51-5	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079763.D
Acq On : 6 Jun 2015 8:51
Operator : TP/IZ
Sample : G2464-12 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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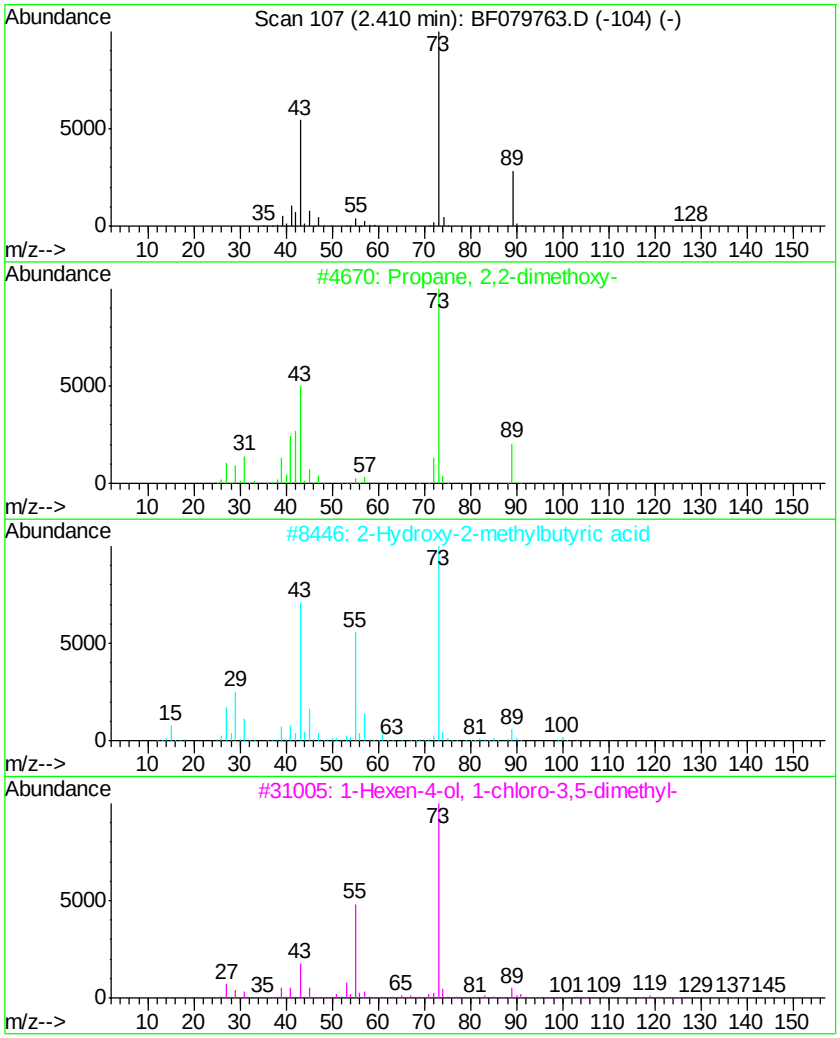
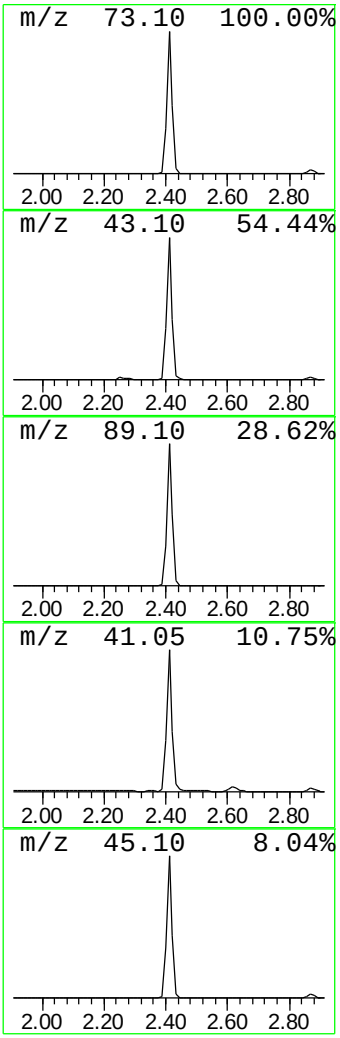
Peak Number 2 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.41	224.27 ng	3527770	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	72
2	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
3	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079763.D
Acq On : 6 Jun 2015 8:51
Operator : TP/IZ
Sample : G2464-12 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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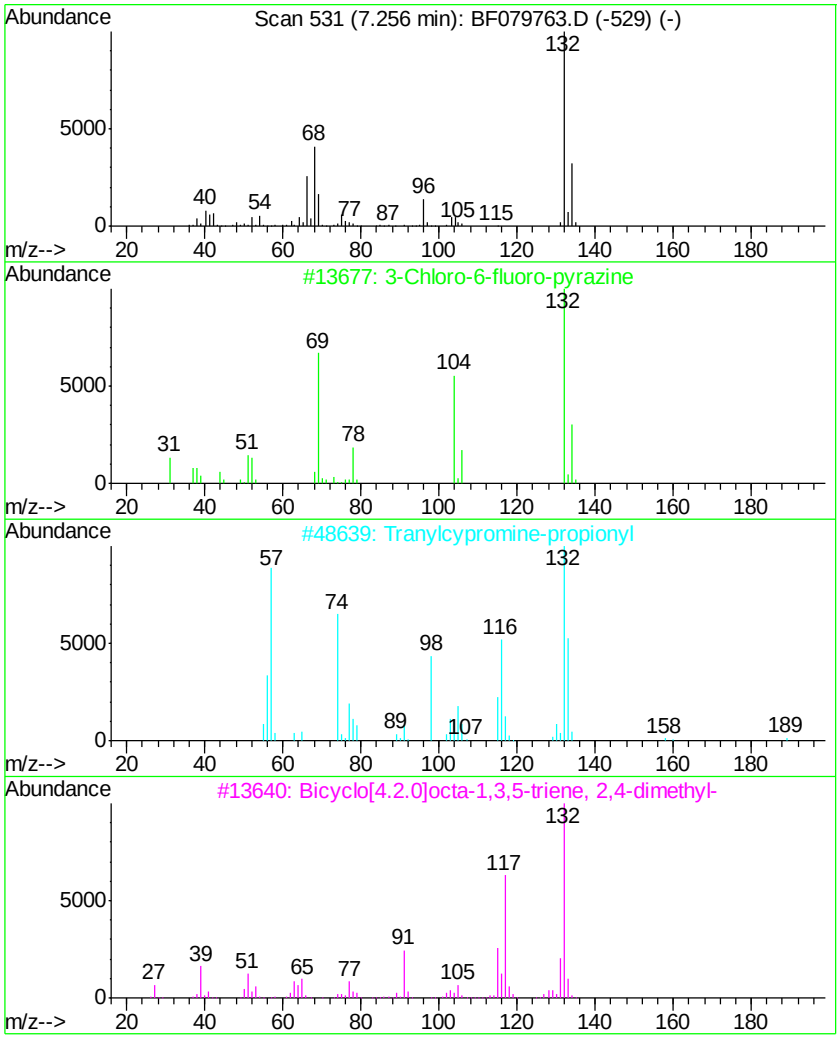
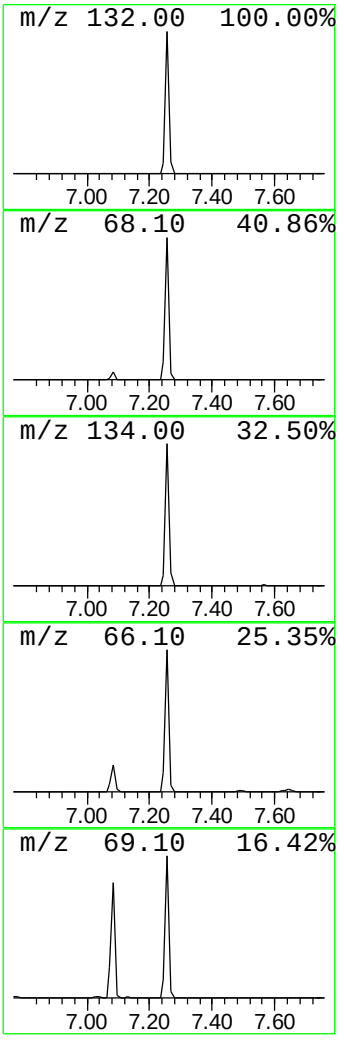
Peak Number 3 unknown7.26 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	45.09 ng	709209	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079763.D
Acq On : 6 Jun 2015 8:51
Operator : TP/IZ
Sample : G2464-12 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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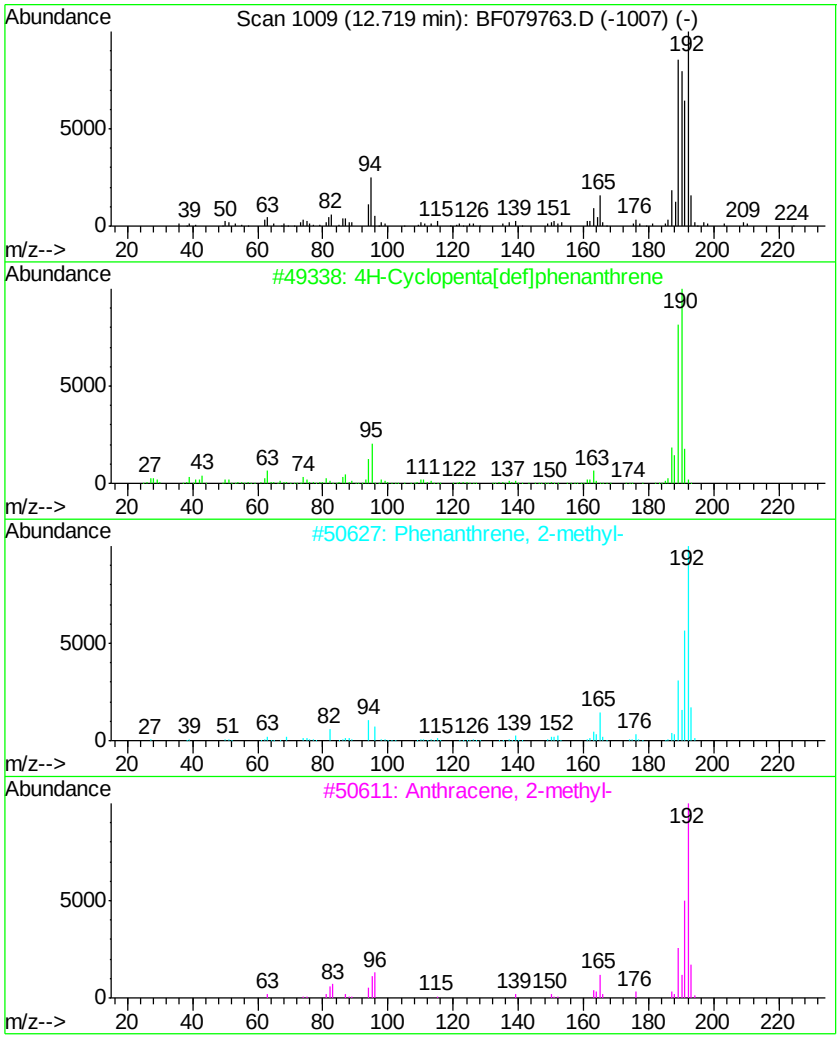
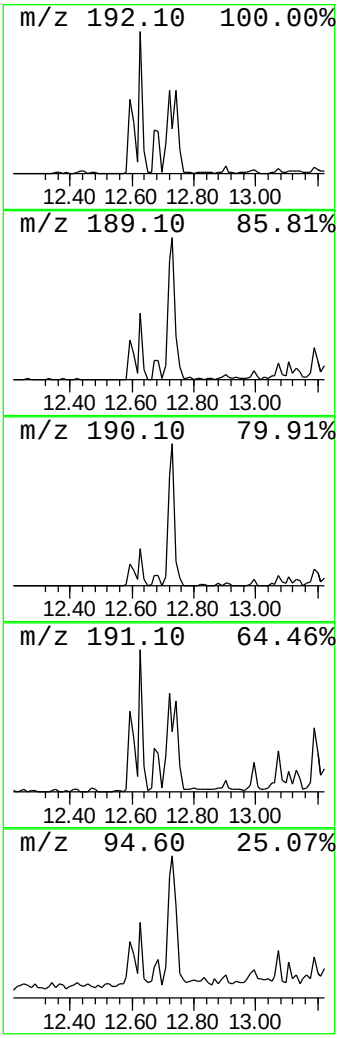
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	9.21 ng	343723	Phenanthrene-d10	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	50
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079763.D
Acq On : 6 Jun 2015 8:51
Operator : TP/IZ
Sample : G2464-12 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

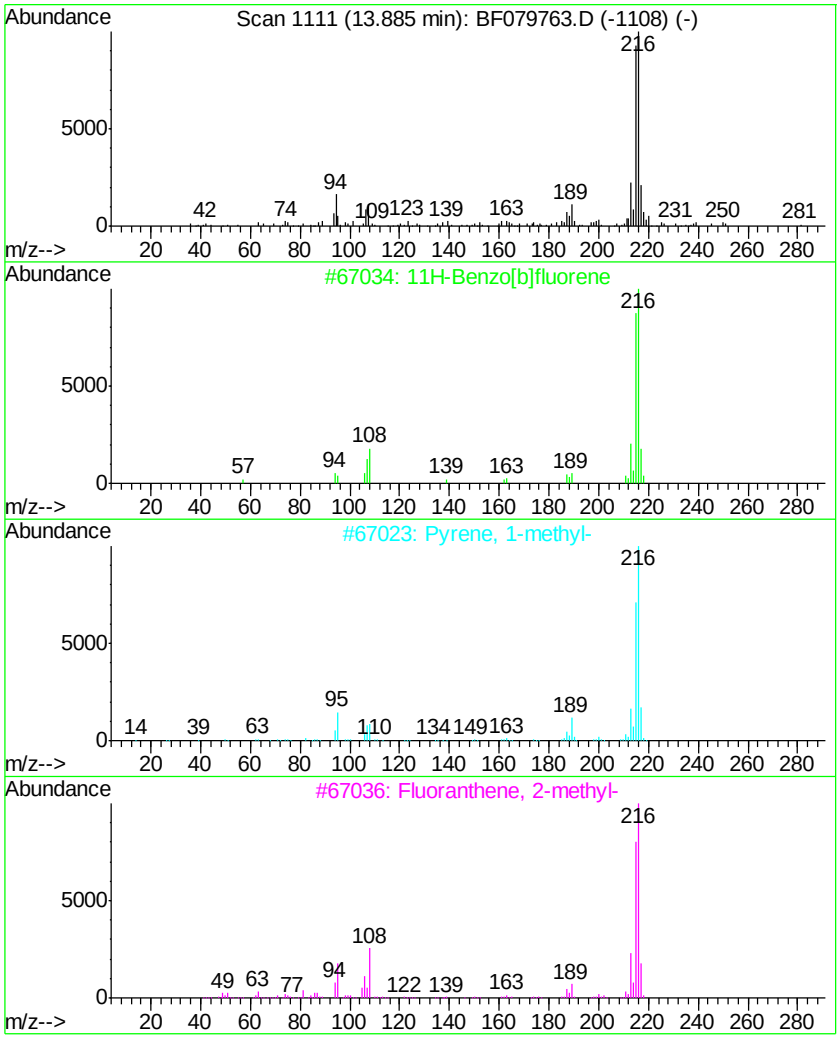
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

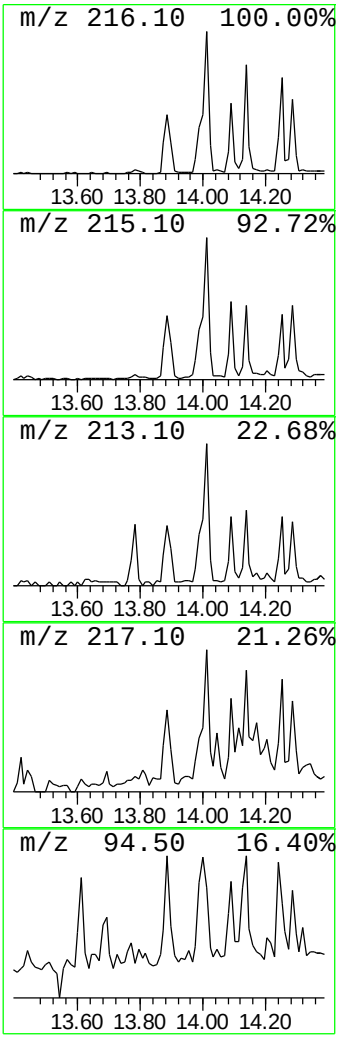
****

Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	2.82 ng	218318	Chrysene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079763.D
Acq On : 6 Jun 2015 8:51
Operator : TP/IZ
Sample : G2464-12 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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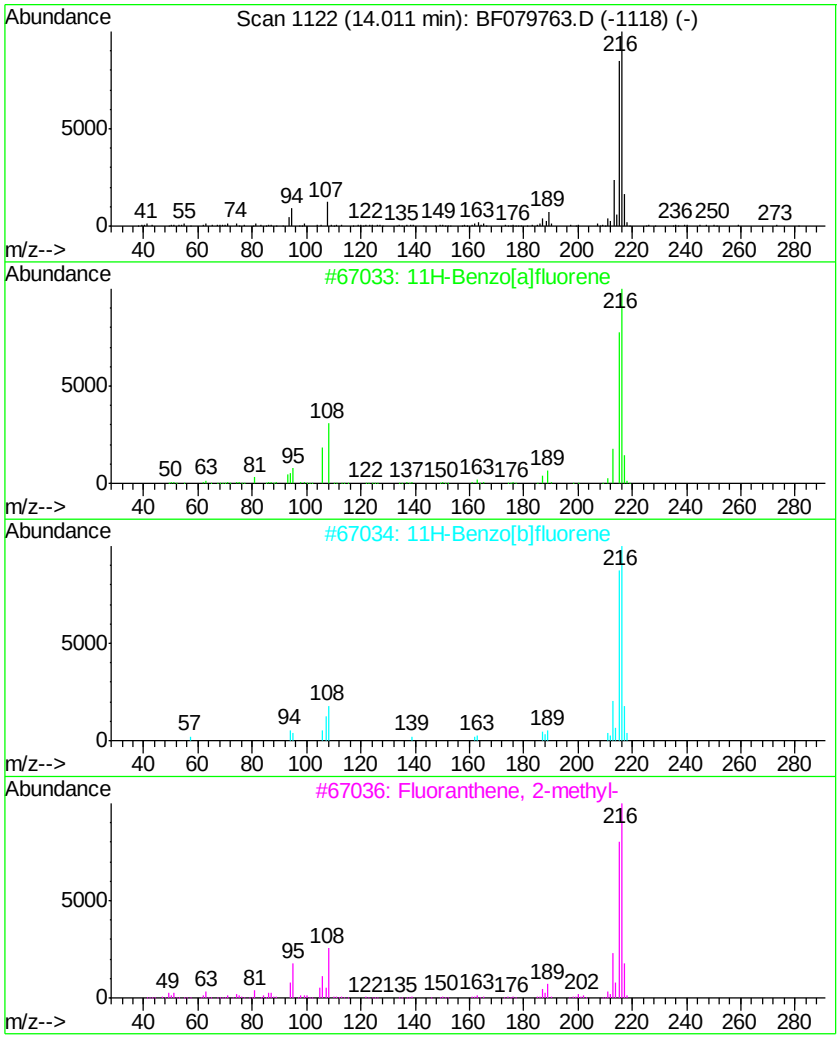
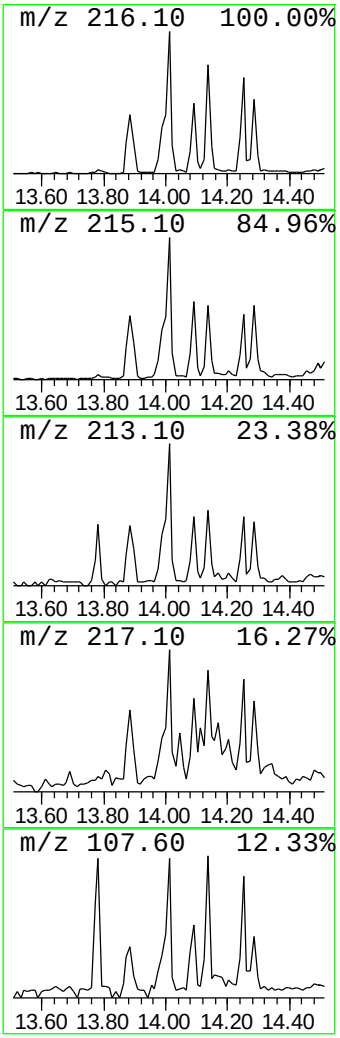
Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	3.41 ng	264323	Chrysene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079763.D
Acq On : 6 Jun 2015 8:51
Operator : TP/IZ
Sample : G2464-12 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

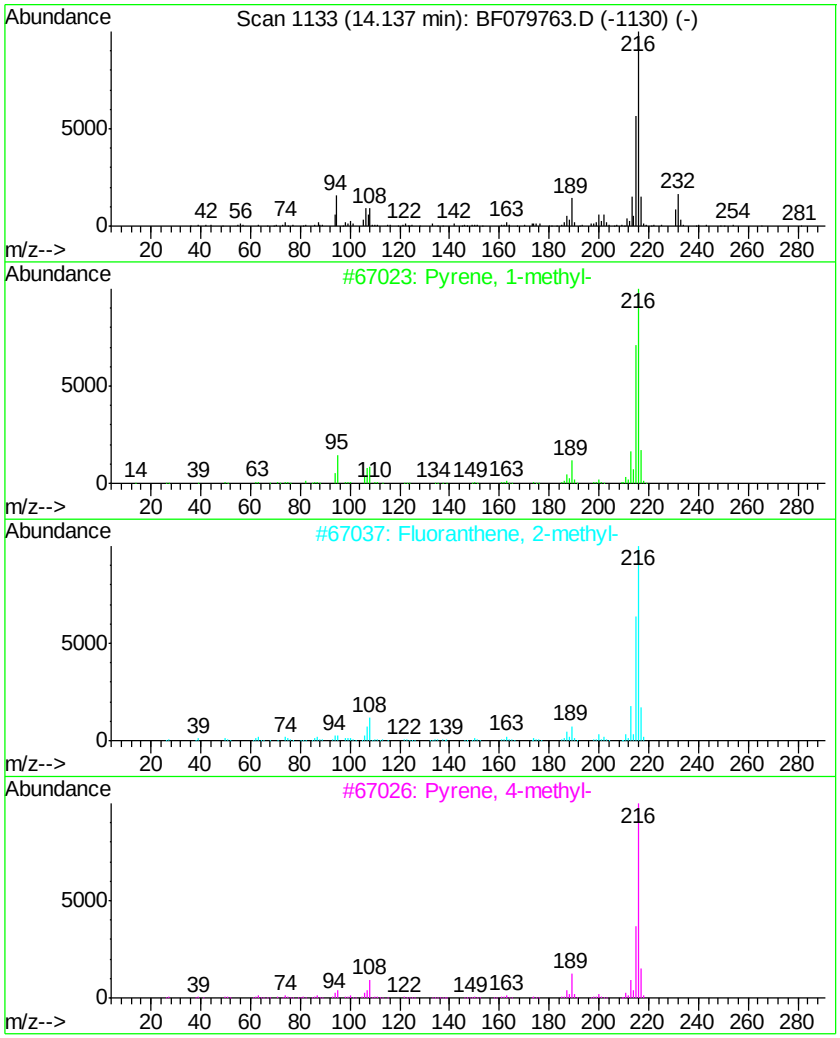
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

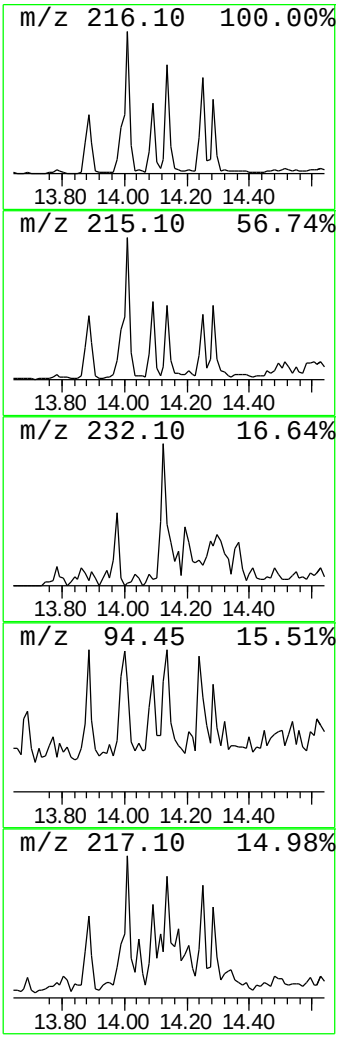
****

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	2.33 ng	180538	Chrysene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079763.D
Acq On : 6 Jun 2015 8:51
Operator : TP/IZ
Sample : G2464-12 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

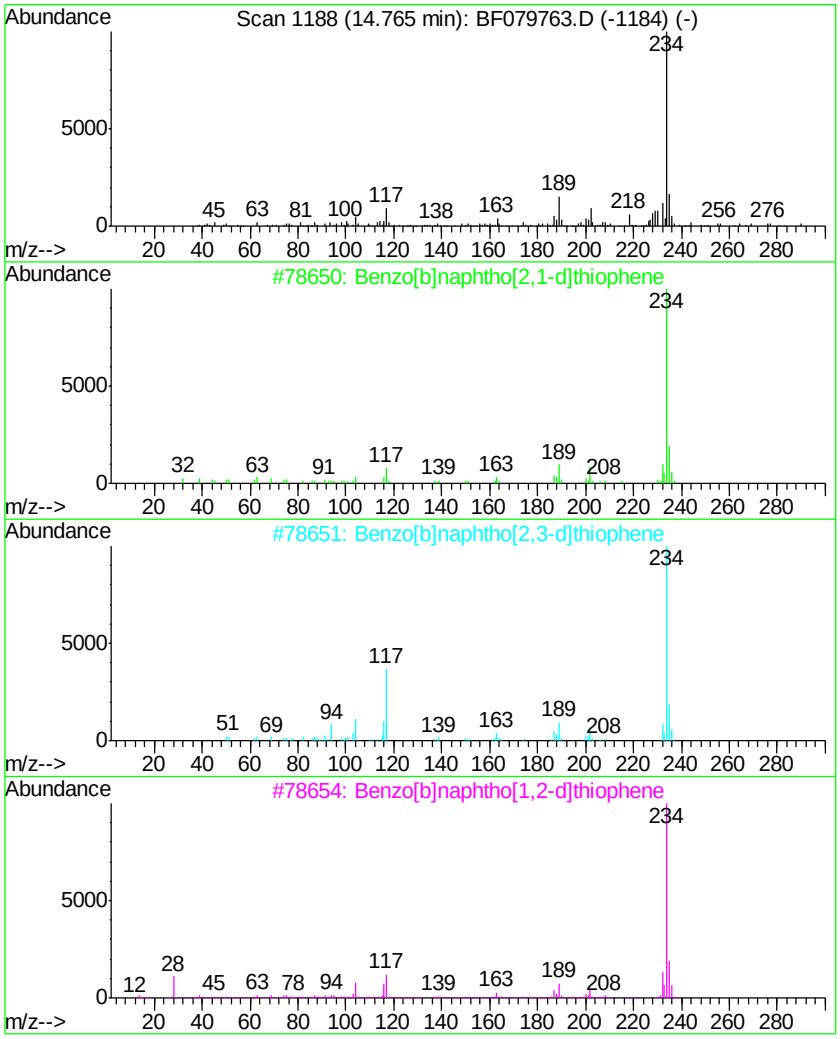
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

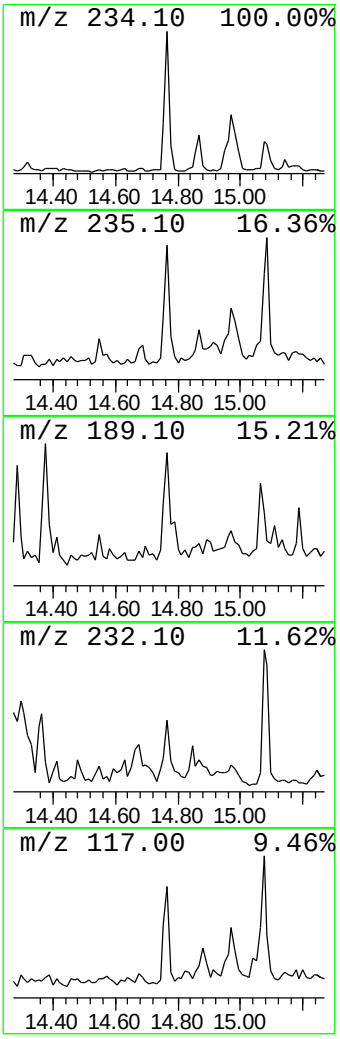
****

Peak Number 9 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	2.36 ng	182674	Chrysene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	87
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	64
5	Phenoxathiin, 2-chloro-	234	C12H7ClOS	010230-34-9	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079763.D
Acq On : 6 Jun 2015 8:51
Operator : TP/IZ
Sample : G2464-12 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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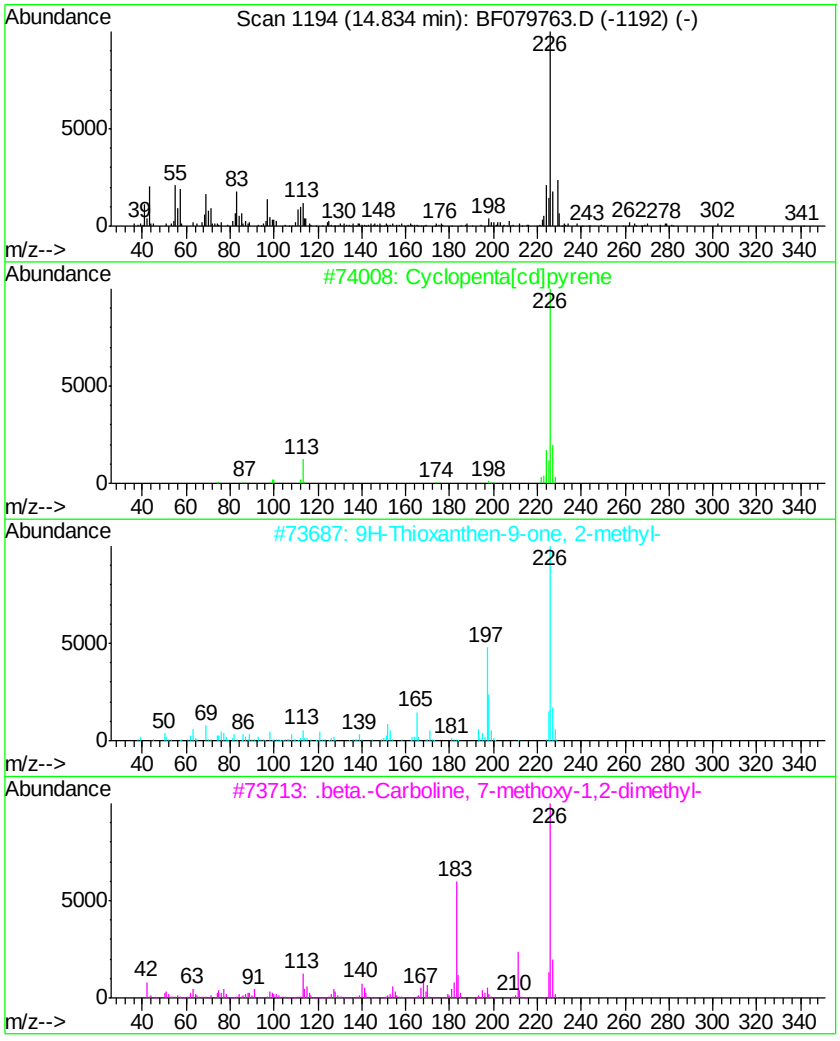
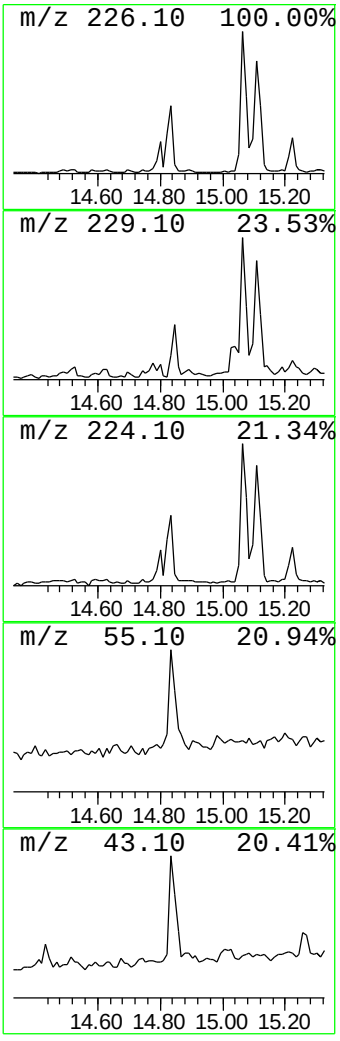
Peak Number 10 Cyclopenta[cd]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	3.23 ng	249695	Chrysene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	47
5	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079763.D
Acq On : 6 Jun 2015 8:51
Operator : TP/IZ
Sample : G2464-12 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

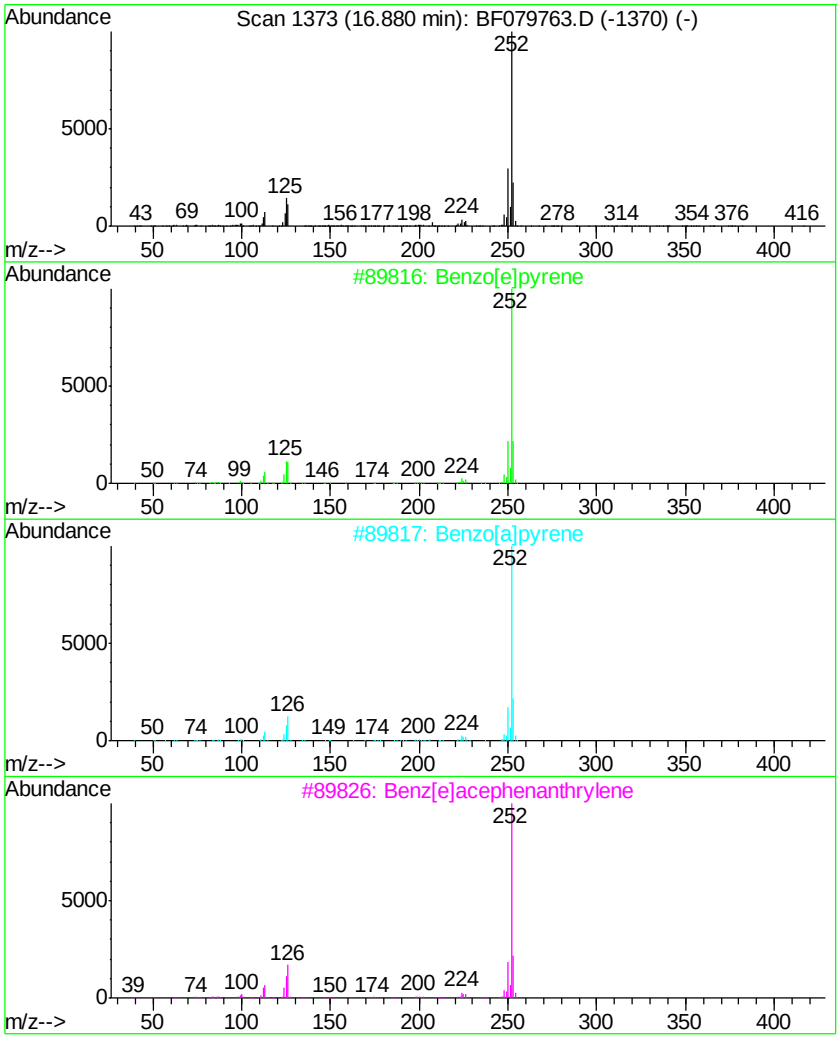
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

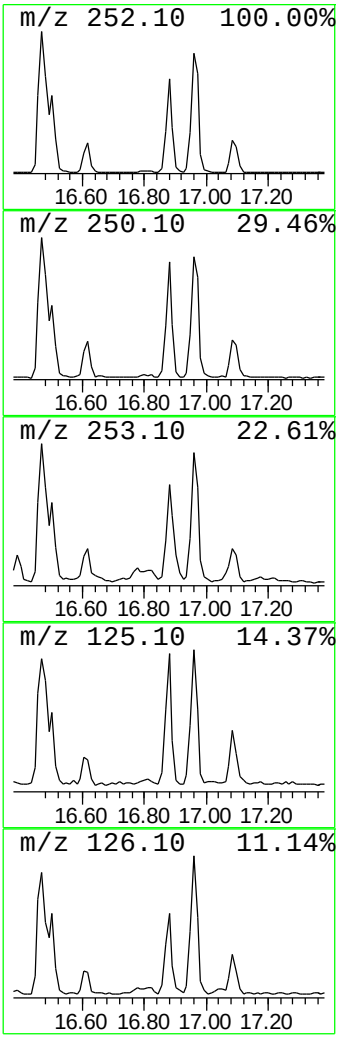
****

Peak Number 11 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	15.01 ng	547589	Perylene-d12	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060515\
Data File : BF079763.D
Acq On : 6 Jun 2015 8:51
Operator : TP/IZ
Sample : G2464-12 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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
Ethene, 1,2-dichl...	1.45	32.2	ng	506755	1	7.50	314606	20.0
Propane, 2,2-dime...	2.41	224.3	ng	3527770	1	7.50	314606	20.0
unknown7.26	7.26	45.1	ng	709209	1	7.50	314606	20.0
4H-Cyclopenta[def...	12.72	9.2	ng	343723	4	12.08	746545	20.0
11H-Benzo[b]fluorene	13.89	2.8	ng	218318	5	15.07	1548090	20.0
11H-Benzo[a]fluorene	14.01	3.4	ng	264323	5	15.07	1548090	20.0
Pyrene, 1-methyl-	14.14	2.3	ng	180538	5	15.07	1548090	20.0
Benzo[b]naphtho[2...	14.77	2.4	ng	182674	5	15.07	1548090	20.0
Cyclopenta[cd]pyrene	14.83	3.2	ng	249695	5	15.07	1548090	20.0
Benzo[e]pyrene	16.88	15.0	ng	547589	6	17.05	729664	20.0