LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

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-BF060315.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	1.392	16	18	20	rVB2	17142630	22875585	100.00%	40.165%
2	1.518	27	29	32	rVB2	186831	267702	1.17%	0.470%
3	2.490	109	114	117	rBV2	3664660	6586697	28.79%	11.565%
4	6.136	430	433	435	rBV	2032626	1719396	7.52%	3.019%
5	7.107	516	518	521	rBV	1867365	1700178	7.43%	2.985%
6	7.290	531	534	536	rBV	1773578	1830657	8.00%	3.214%
7	7.519	552	554	556	rBV	578549	499881	2.19%	0.878%
8	7.679	566	568	571	rBV	1632243	1397975	6.11%	2.455%
9	8.079	600	603	605	rBV	711153	938567	4.10%	1.648%
10	8.810	665	667	672	rBV	706754	925816	4.05%	1.626%
11	9.885	759	761	764	rVB	2313106	2078351	9.09%	3.649%
12	10.593	821	823	824	rBV	861582	778930	3.41%	1.368%
13	11.382	890	892	895	rBV	1228744	1174481	5.13%	2.062%
14	12.102	953	955	956	rBV	907472	943561	4.12%	1.657%
15	12.125	956	957	959	rVV	1986161	1494783	6.53%	2.625%
16	12.182	959	962	963	rVV	208188	280738	1.23%	0.493%
17	12.616	994	1000	1001	rBV	249088	345239	1.51%	0.606%
18	12.639	1001	1002	1004	rVB	269432	283844	1.24%	0.498%
19	12.731	1008	1010	1014	rBV2	219297	485175	2.12%	0.852%
20	13.371	1064	1066	1068	rBV	1377197	1249912	5.46%	2.195%
21	13.599	1084	1086	1087	rBV	198009	321062	1.40%	0.564%
22	13.622	1087	1088	1091	rVB	1159348	993676	4.34%	1.745%
23	13.759	1097	1100	1102	rBV	2472315	2389180	10.44%	4.195%
24	13.862	1106	1109	1113	rBV4	99526	238624	1.04%	0.419%
25	13.977	1115	1119	1121	rVV	185116	287534	1.26%	0.505%
26	14.765	1186	1188	1190	rBV2	210717	246711	1.08%	0.433%
27	15.005	1205	1209	1210	rBV2	835330	1444381	6.31%	2.536%
28	15.028	1210	1211	1214	rVB	378412	539502	2.36%	0.947%
29	15.668	1266	1267	1270	rVB	189600	252911	1.11%	0.444%
30	16.354	1324	1327	1332	rBV	260371	692511	3.03%	1.216%
31	16.765	1361	1363	1367	rVB	154543	239394	1.05%	0.420%
32	16.845	1368	1370	1374	rBV	224611	346971	1.52%	0.609%
33	16.937	1375	1378	1380	rBV	547839	837491	3.66%	1.470%
34	19.554	1604	1607	1618	rVB	85101	266677	1.17%	0.468%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

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-BF060315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 56954093

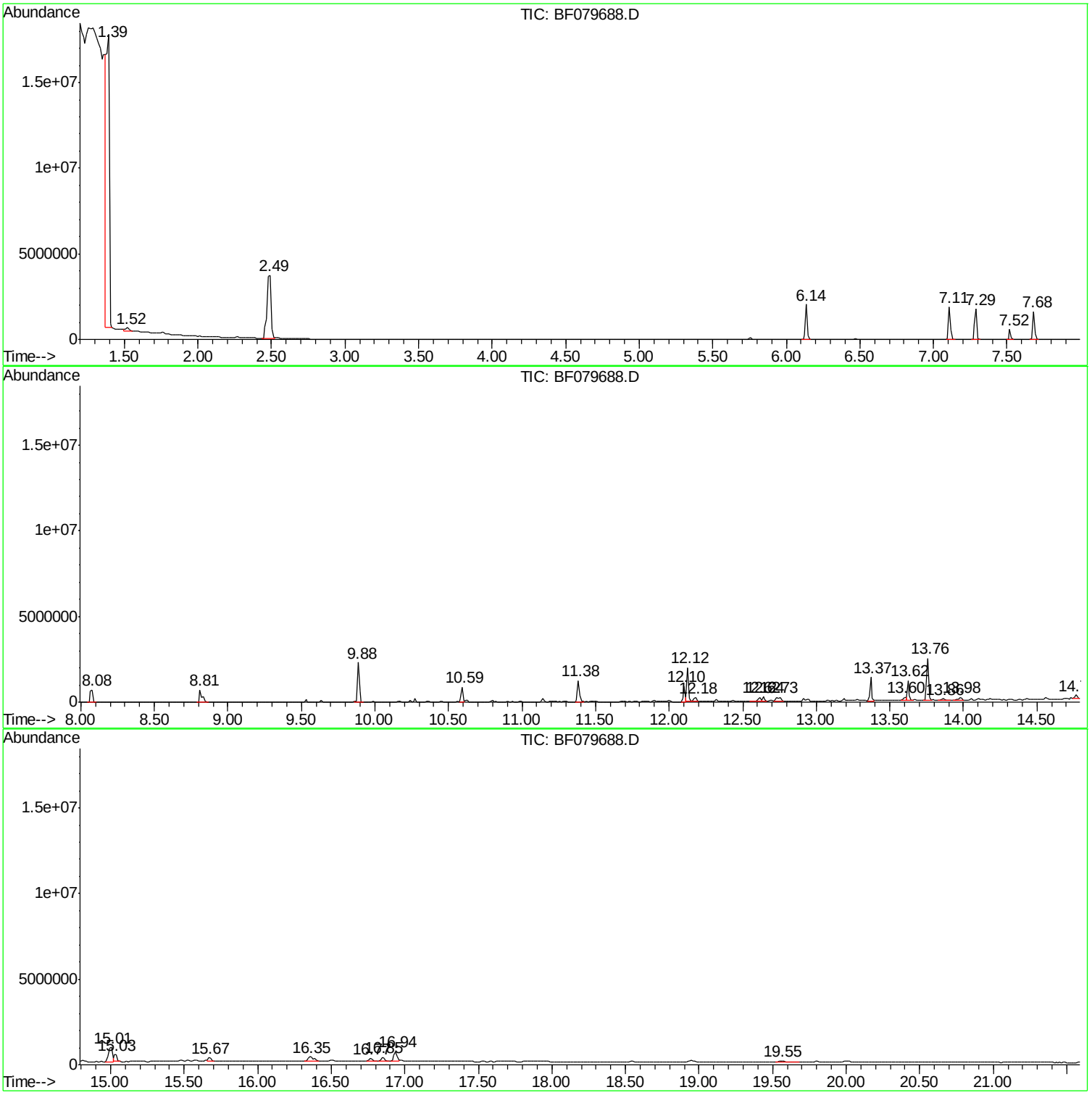
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

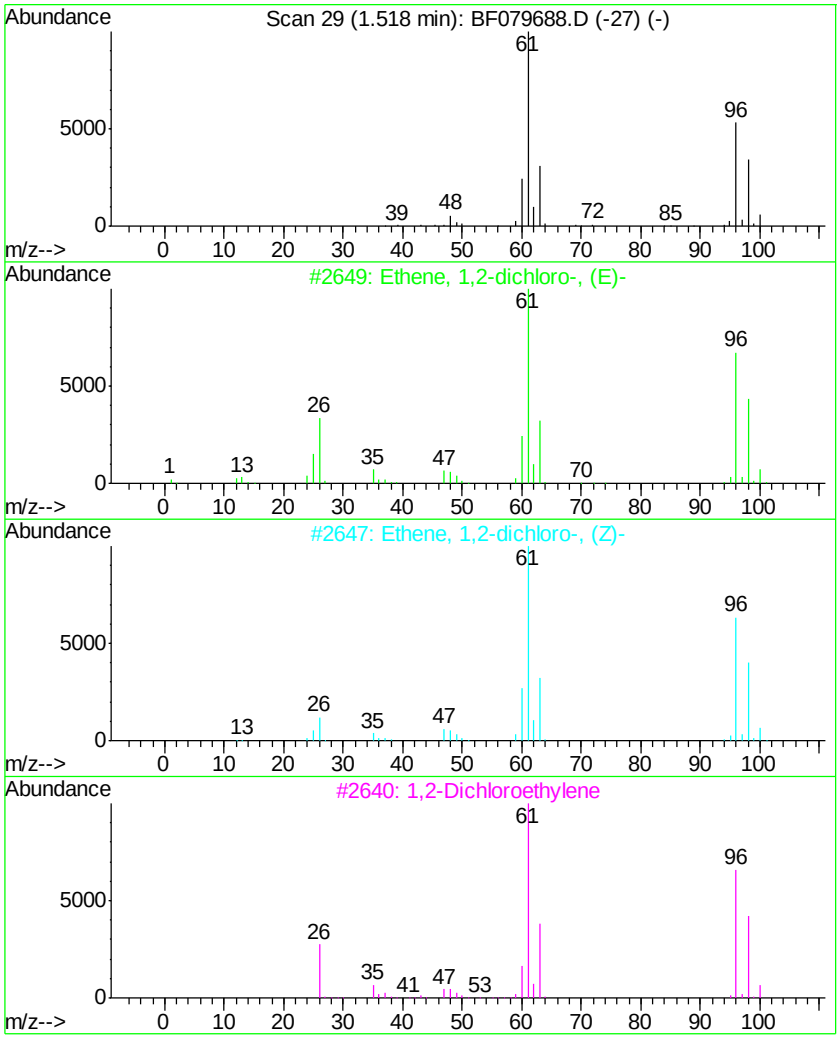
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

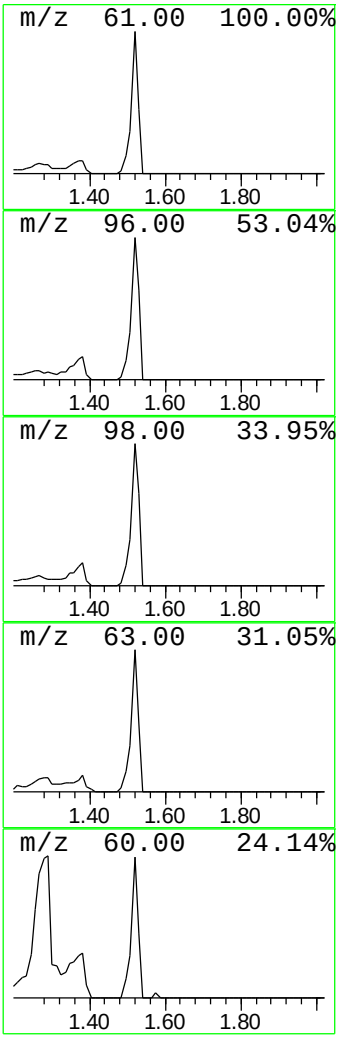
****

Peak Number 2 Ethene, 1,2-dichloro-, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.52	10.71 ng	267702	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethene, 1,2-dichloro-, (E)-	96	C2H2Cl2	000156-60-5	94
2	Ethene, 1,2-dichloro-, (Z)-	96	C2H2Cl2	000156-59-2	94
3	1,2-Dichloroethylene	96	C2H2Cl2	000540-59-0	91
4	Ethene, 1,1-dichloro-	96	C2H2Cl2	000075-35-4	90
5	1H-Pyrazole, 1,5-dimethyl-	96	C5H8N2	000694-31-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

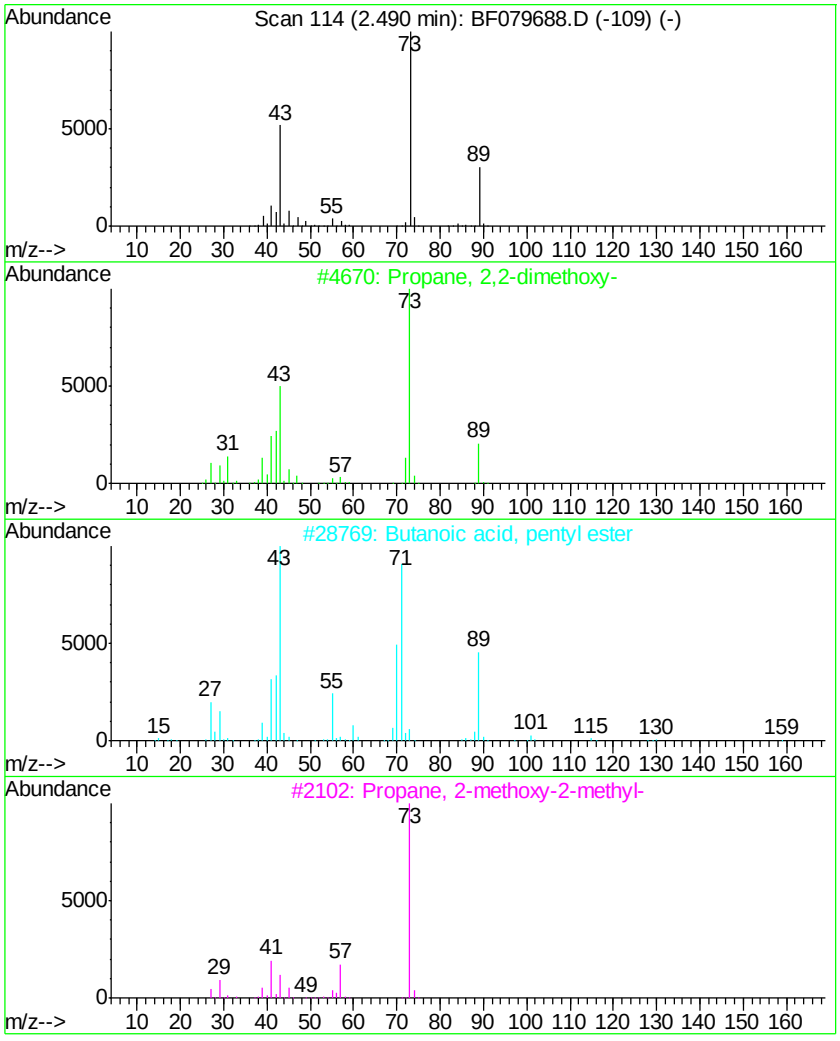
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

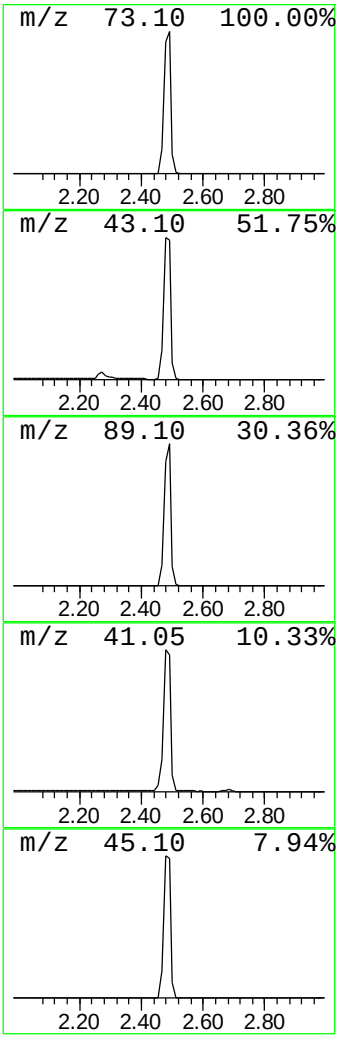
****

Peak Number 3 Propane, 2,2-dimethoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.49	263.53 ng	6586700	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	72
2	Butanoic acid, pentyl ester	158	C9H18O2	000540-18-1	9
3	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
4	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
5	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

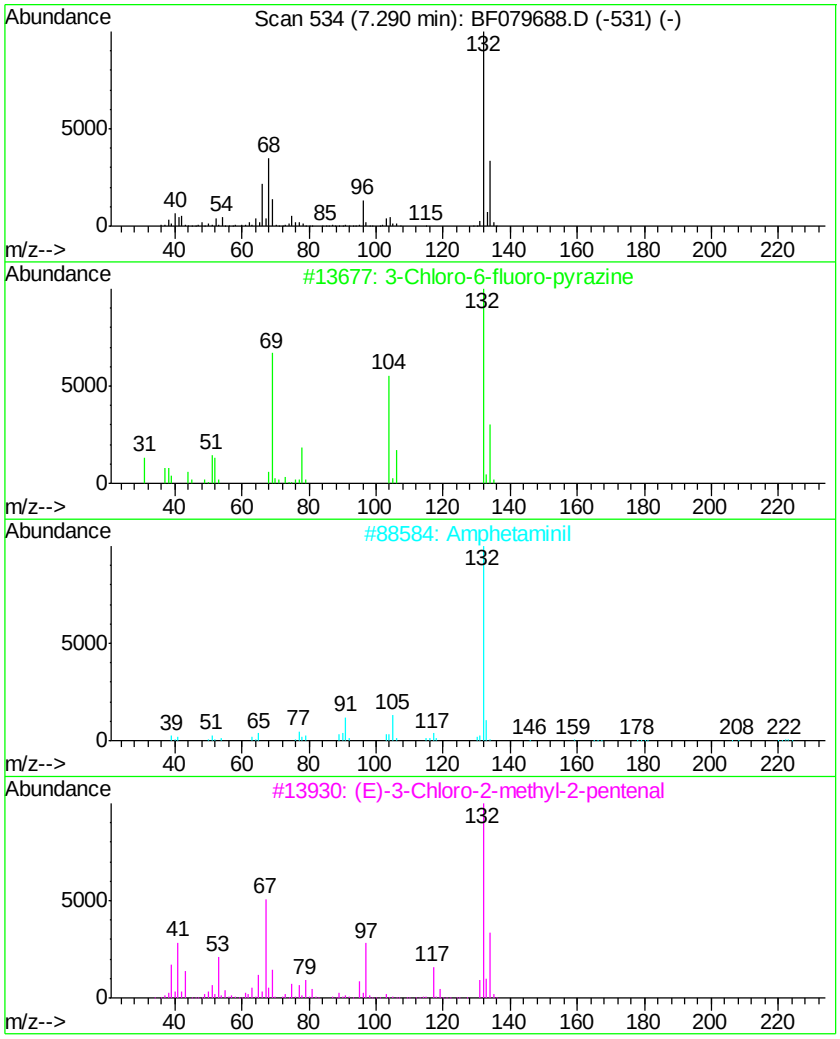
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

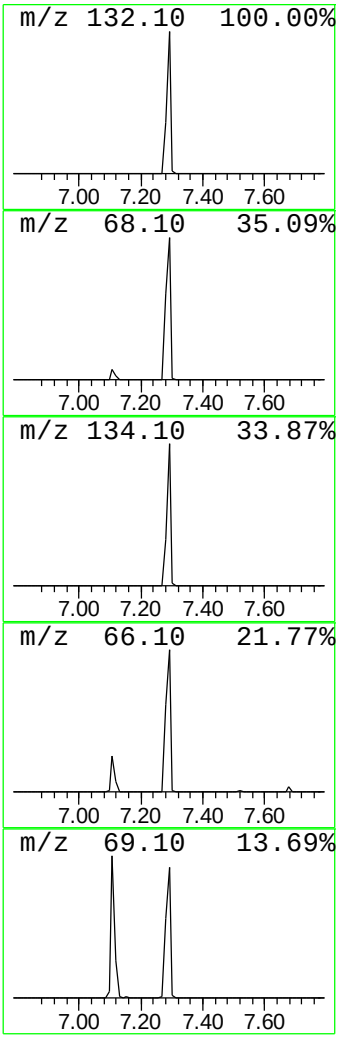
****

Peak Number 4 unknown7.29 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.29	73.24 ng	1830660	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	Amphetaminil	250	C17H18N2	017590-01-1	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

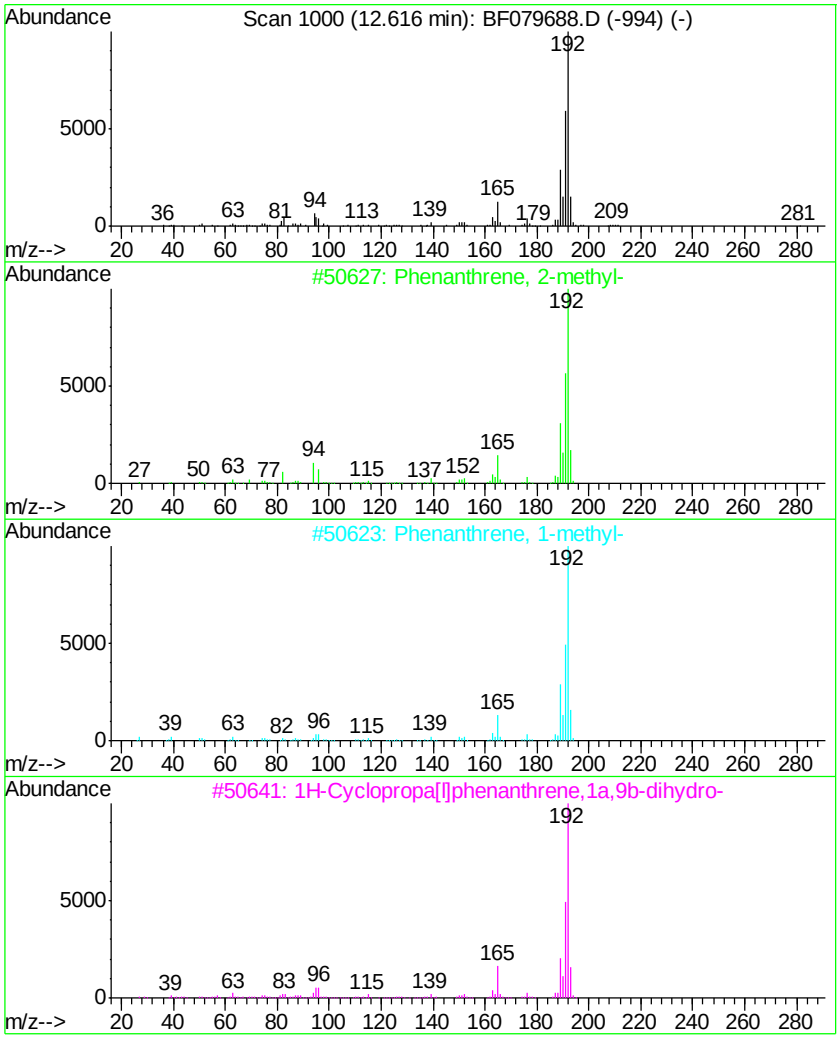
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

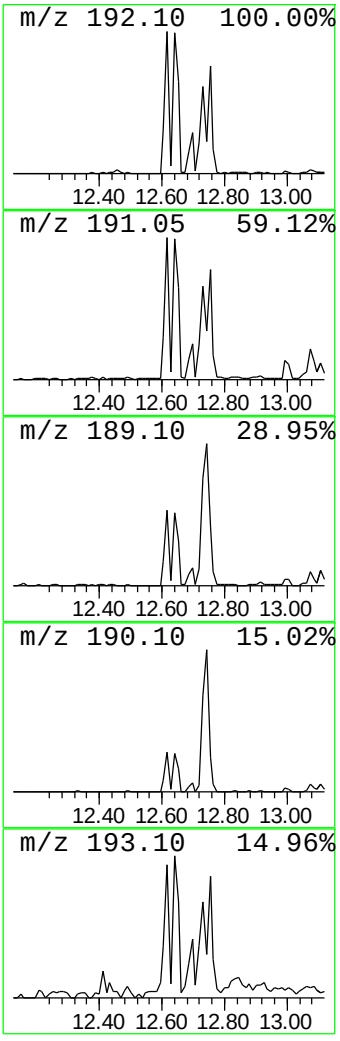
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	7.32 ng	345239	Phenanthrene-d10	12.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

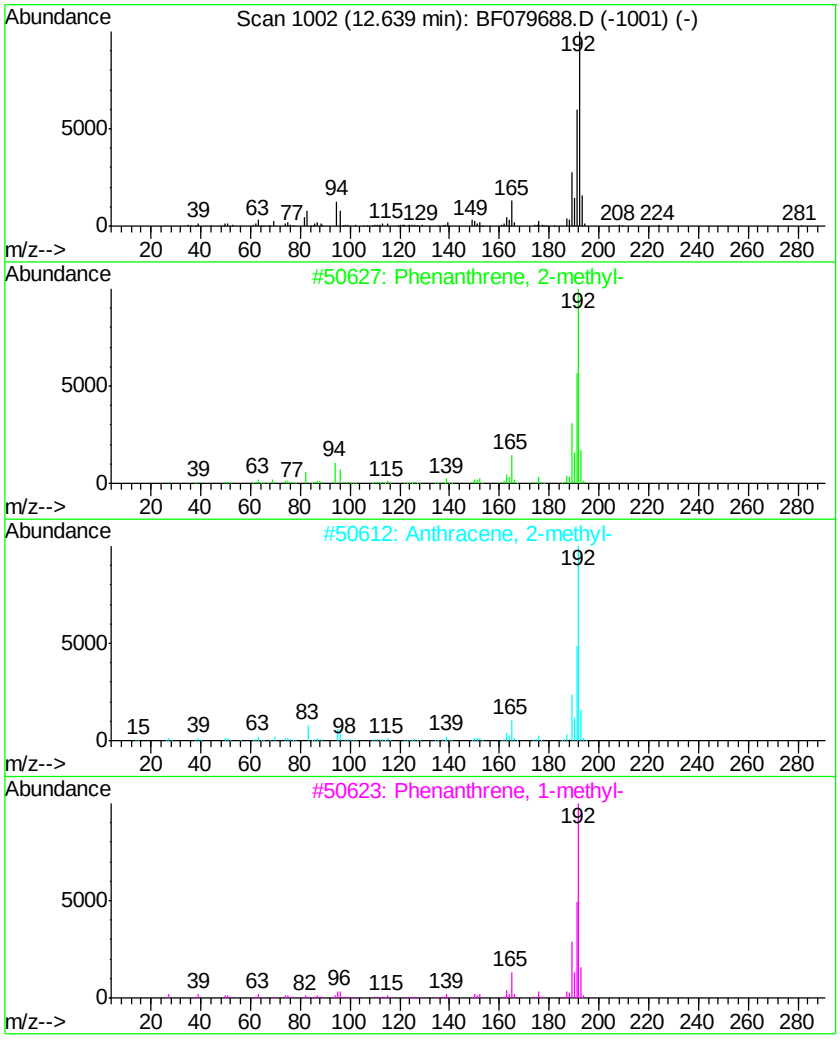
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

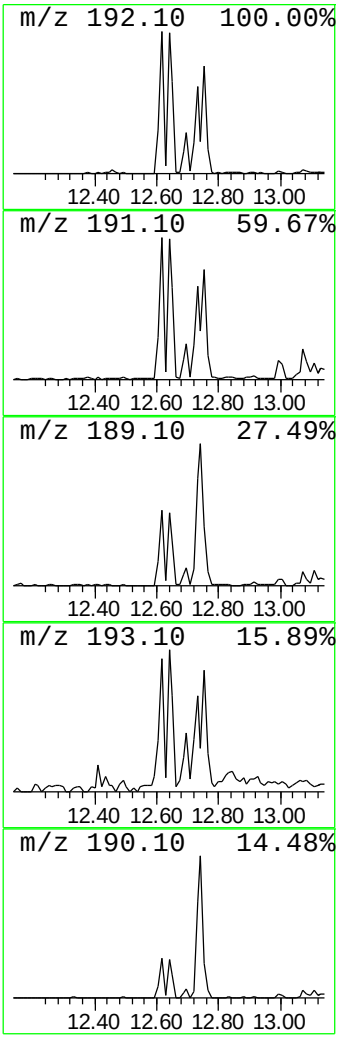
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	6.02 ng	283844	Phenanthrene-d10	12.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

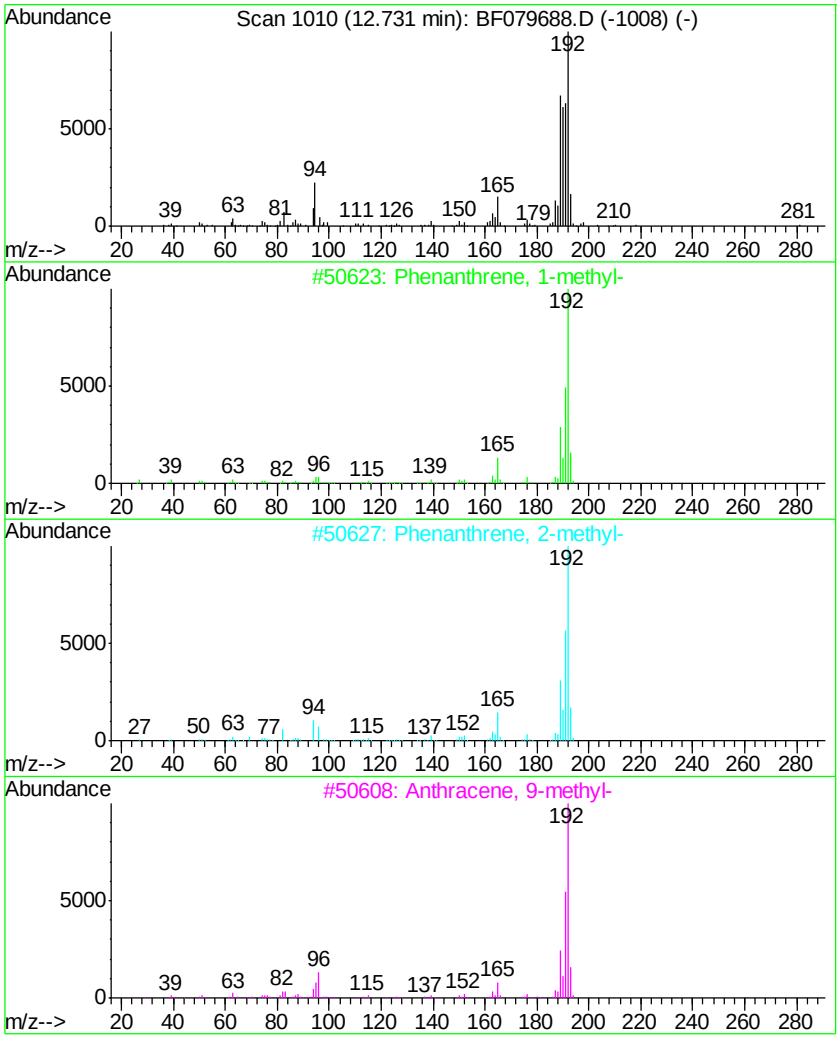
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

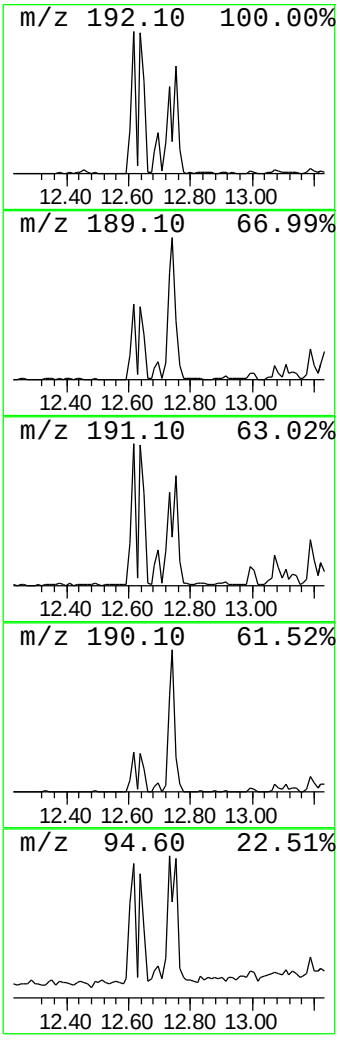
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	10.28 ng	485175	Phenanthrene-d10	12.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	60
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

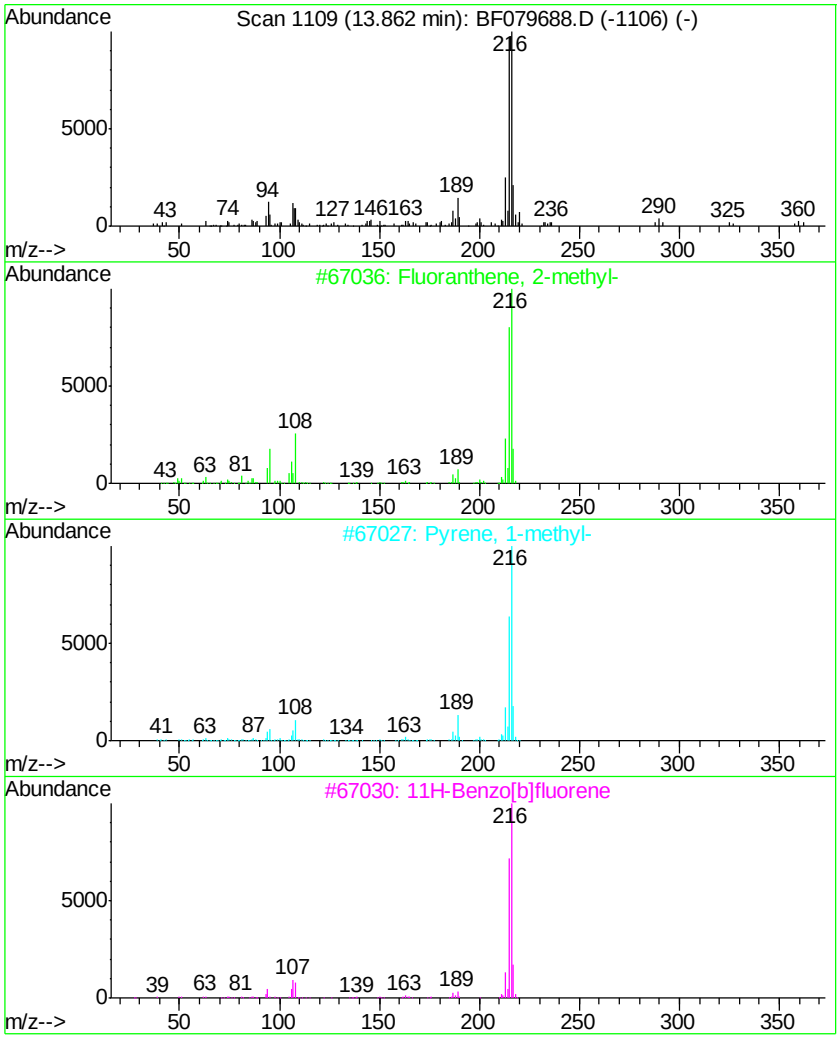
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

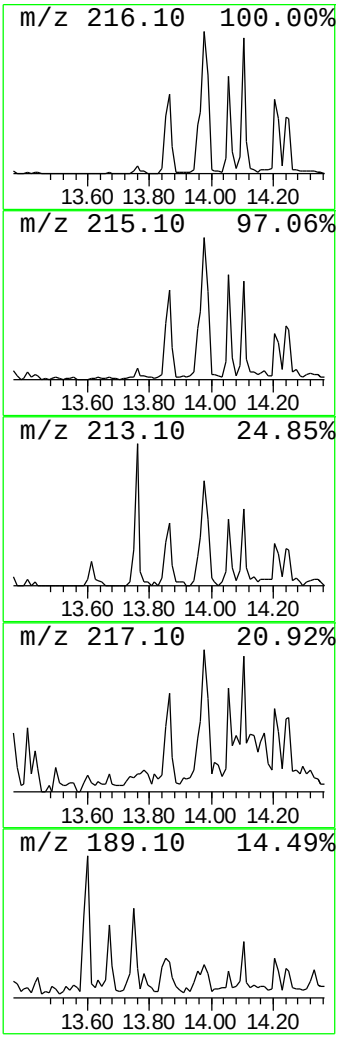
****

Peak Number 9 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	3.30 ng	238624	Chrysene-d12	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

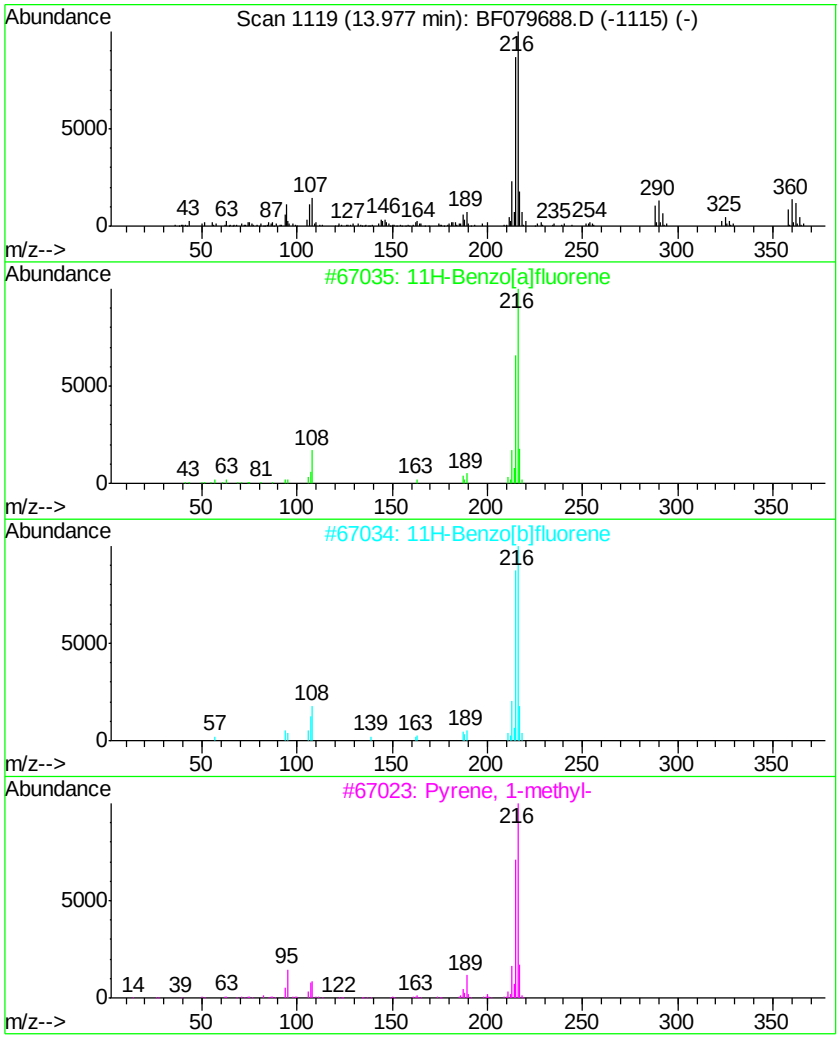
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

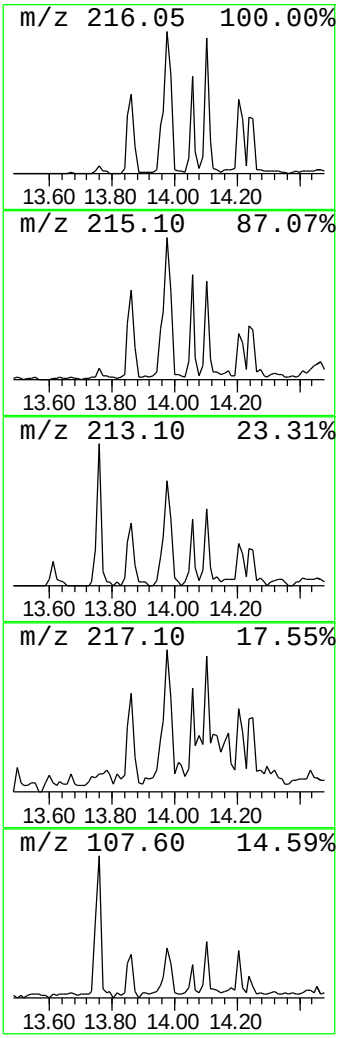
****

Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	3.98 ng	287534	Chrysene-d12	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

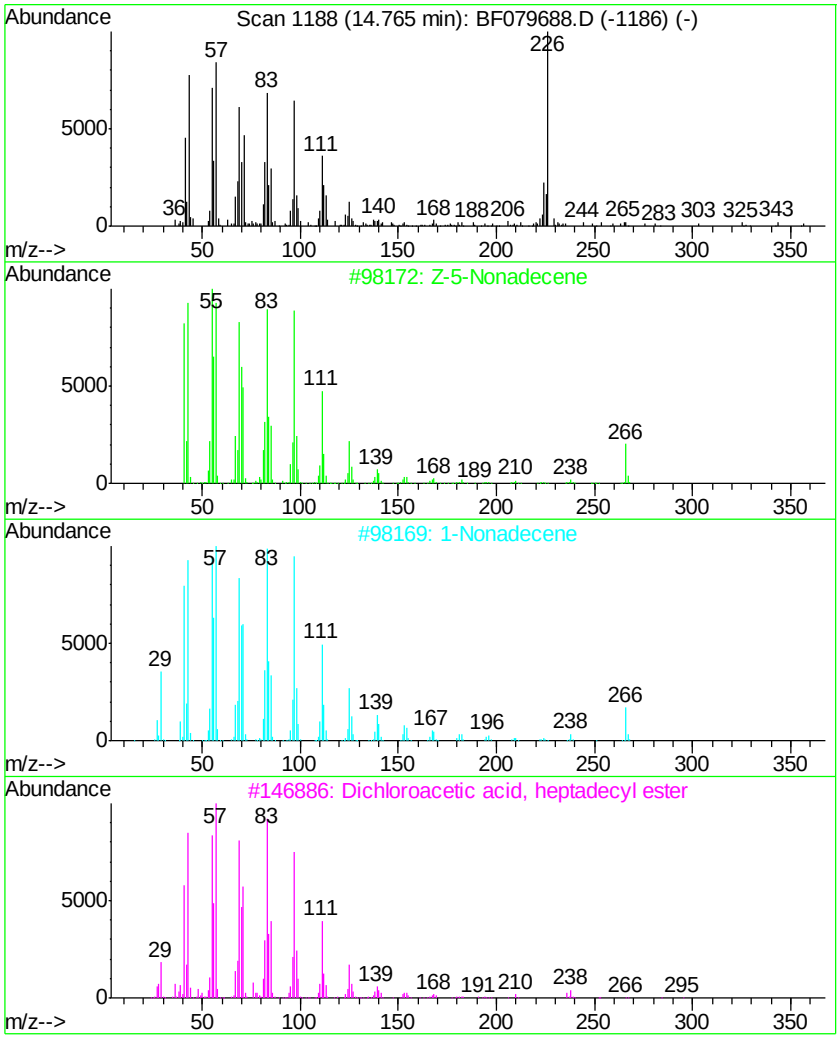
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

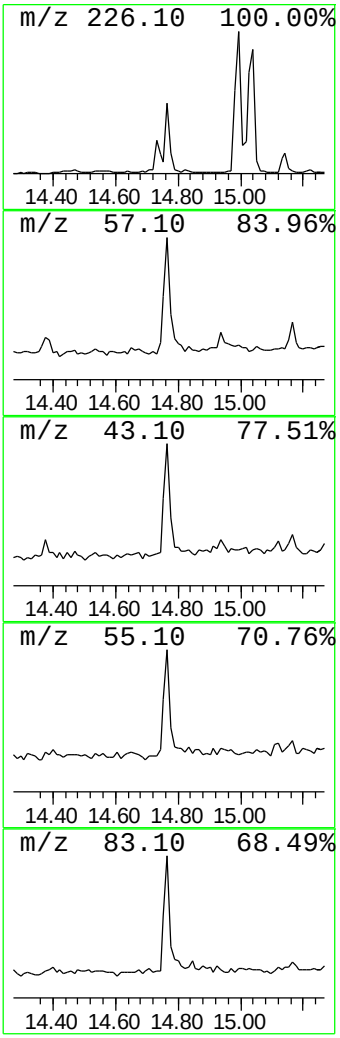
****

Peak Number 11 Z-5-Nonadecene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	3.42 ng	246711	Chrysene-d12	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-5-Nonadecene	266	C19H38	1000131-11-8	95
2	1-Nonadecene	266	C19H38	018435-45-5	87
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	78
4	1-Heneicosyl formate	340	C22H44O2	077899-03-7	60
5	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	53





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Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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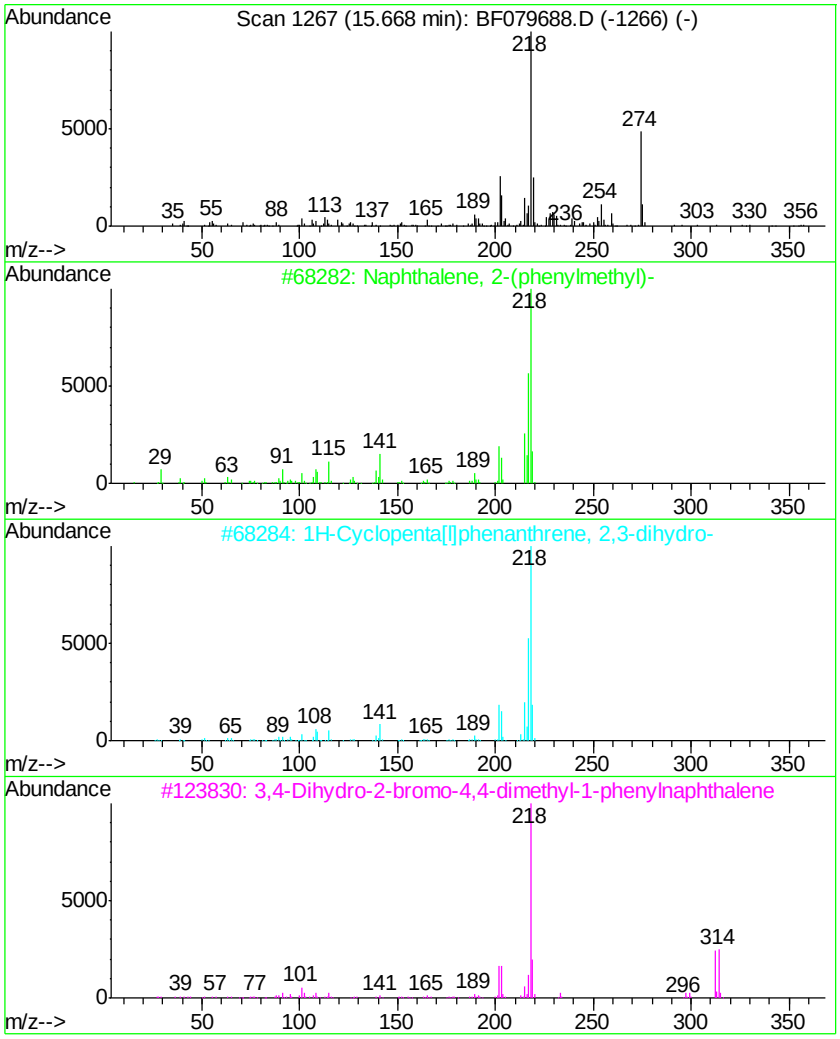
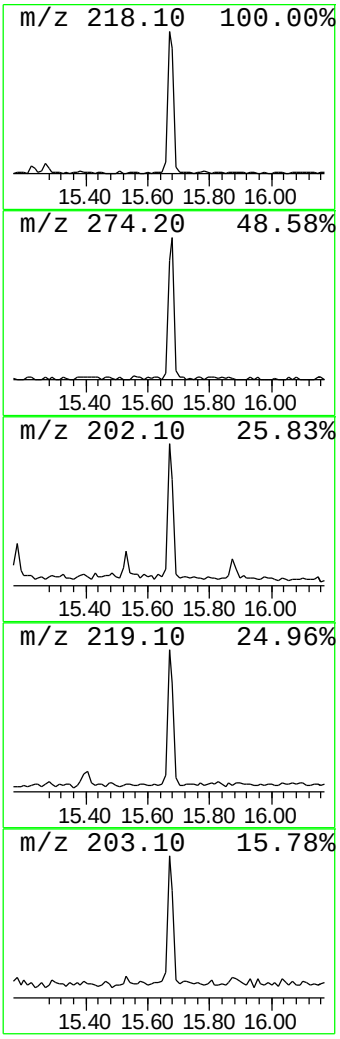
Peak Number 12 unknown15.67 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	3.50 ng	252911	Chrysene-d12	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	49
2	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	46
3	3,4-Dihydro-2-bromo-4,4-dimethyl...	312	C18H17Br	071161-44-9	43
4	1H-Benzo[a]perimidine	218	C15H10N2	000200-42-0	38
5	3-Methoxy-6,7,8,9-tetrahydro-dib...	218	C13H14O3	1000186-57-9	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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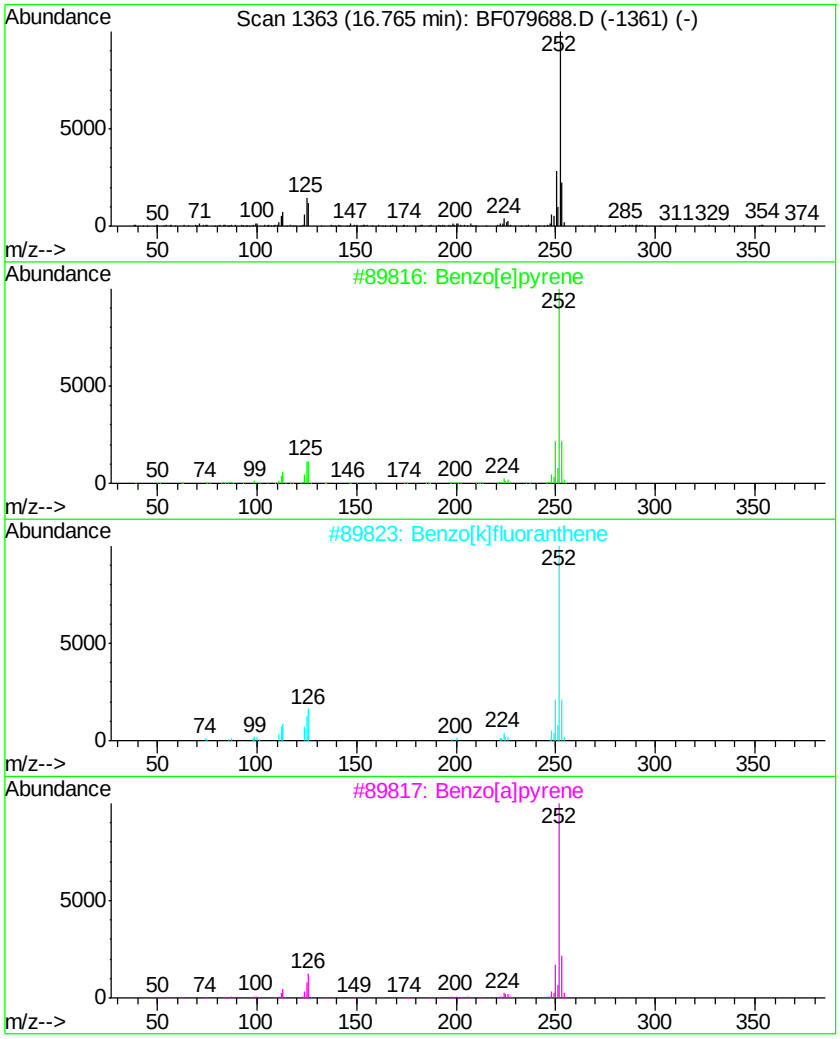
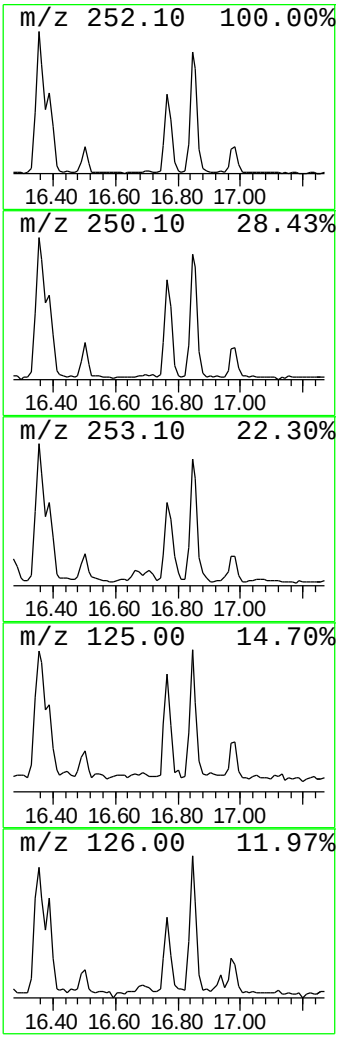
Peak Number 13 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	5.72 ng	239394	Perylene-d12	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.3(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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...	1.52	10.7	ng	267702	1	7.52	499881	20.0
Propane, 2,2-dime...	2.49	263.5	ng	6586700	1	7.52	499881	20.0
unknown7.29	7.29	73.2	ng	1830660	1	7.52	499881	20.0
Phenanthrene, 2-m...	12.62	7.3	ng	345239	4	12.10	943561	20.0
Anthracene, 2-met...	12.64	6.0	ng	283844	4	12.10	943561	20.0
Phenanthrene, 1-m...	12.73	10.3	ng	485175	4	12.10	943561	20.0
Fluoranthene, 2-m...	13.86	3.3	ng	238624	5	15.01	1444380	20.0
11H-Benzo[a]fluorene	13.98	4.0	ng	287534	5	15.01	1444380	20.0
Z-5-Nonadecene	14.77	3.4	ng	246711	5	15.01	1444380	20.0
unknown15.67	15.67	3.5	ng	252911	5	15.01	1444380	20.0
Benzo[e]pyrene	16.77	5.7	ng	239394	6	16.94	837491	20.0