LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087079.D
Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

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-BF050916.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	1.735	10	13	56	rVB	3694711	7940060	100.00%	27.488%
2	4.718	273	274	282	rBV	62208	118928	1.50%	0.412%
3	5.187	313	315	329	rBV	1718717	1907959	24.03%	6.605%
4	6.273	407	410	417	rBV	1934216	2042275	25.72%	7.070%
5	6.376	417	419	422	rBV	2111792	1930777	24.32%	6.684%
6	6.604	436	439	441	rBV	579298	552661	6.96%	1.913%
7	6.753	450	452	455	rBV	1044811	1284410	16.18%	4.447%
8	7.176	487	489	491	rBV	1392967	1197675	15.08%	4.146%
9	7.896	549	552	554	rBV	626219	668798	8.42%	2.315%
10	8.970	644	646	648	rBV	2034343	1662946	20.94%	5.757%
11	9.370	680	681	684	rBV	226758	208633	2.63%	0.722%
12	9.645	702	705	707	rVV	543305	628038	7.91%	2.174%
13	10.433	771	774	776	rBV2	674505	893708	11.26%	3.094%
14	10.559	782	785	789	rVB	76175	112644	1.42%	0.390%
15	11.005	822	824	829	rVB2	48703	89473	1.13%	0.310%
16	11.119	831	834	835	rBV	627036	576023	7.25%	1.994%
17	11.188	838	840	842	rVB	64279	86725	1.09%	0.300%
18	11.371	853	856	859	rBV2	82414	143942	1.81%	0.498%
19	11.668	881	882	886	rVV2	152205	199151	2.51%	0.689%
20	11.725	886	887	892	rVB	131195	180018	2.27%	0.623%
21	11.828	892	896	900	rBV3	28961	80027	1.01%	0.277%
22	12.182	924	927	932	rBV3	261067	557511	7.02%	1.930%
23	12.319	937	939	942	rBV	496288	677666	8.53%	2.346%
24	12.422	946	948	949	rBV	88804	90145	1.14%	0.312%
25	12.548	956	959	962	rBV2	603227	689597	8.69%	2.387%
26	12.696	971	972	975	rVV	887400	1213705	15.29%	4.202%
27	12.776	975	979	982	rVV2	53285	86107	1.08%	0.298%
28	12.879	985	988	990	rVB2	141891	197584	2.49%	0.684%
29	12.948	992	994	995	rVV	114763	113967	1.44%	0.395%
30	12.982	995	997	999	rVV	85968	96929	1.22%	0.336%
31	13.074	1001	1005	1006	rBV2	75643	169615	2.14%	0.587%
32	13.131	1006	1010	1014	rVV5	56955	183869	2.32%	0.637%
33	13.496	1040	1042	1043	rBV2	88053	117592	1.48%	0.407%
34	13.748	1061	1064	1068	rBV2	705458	1313901	16.55%	4.549%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087079.D
Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

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-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.062	1177	1179	1182	rBV	253560	424385	5.34%	1.469%
36	15.120	1182	1184	1187	rVB	377755	447709	5.64%	1.550%

Sum of corrected areas: 28885153

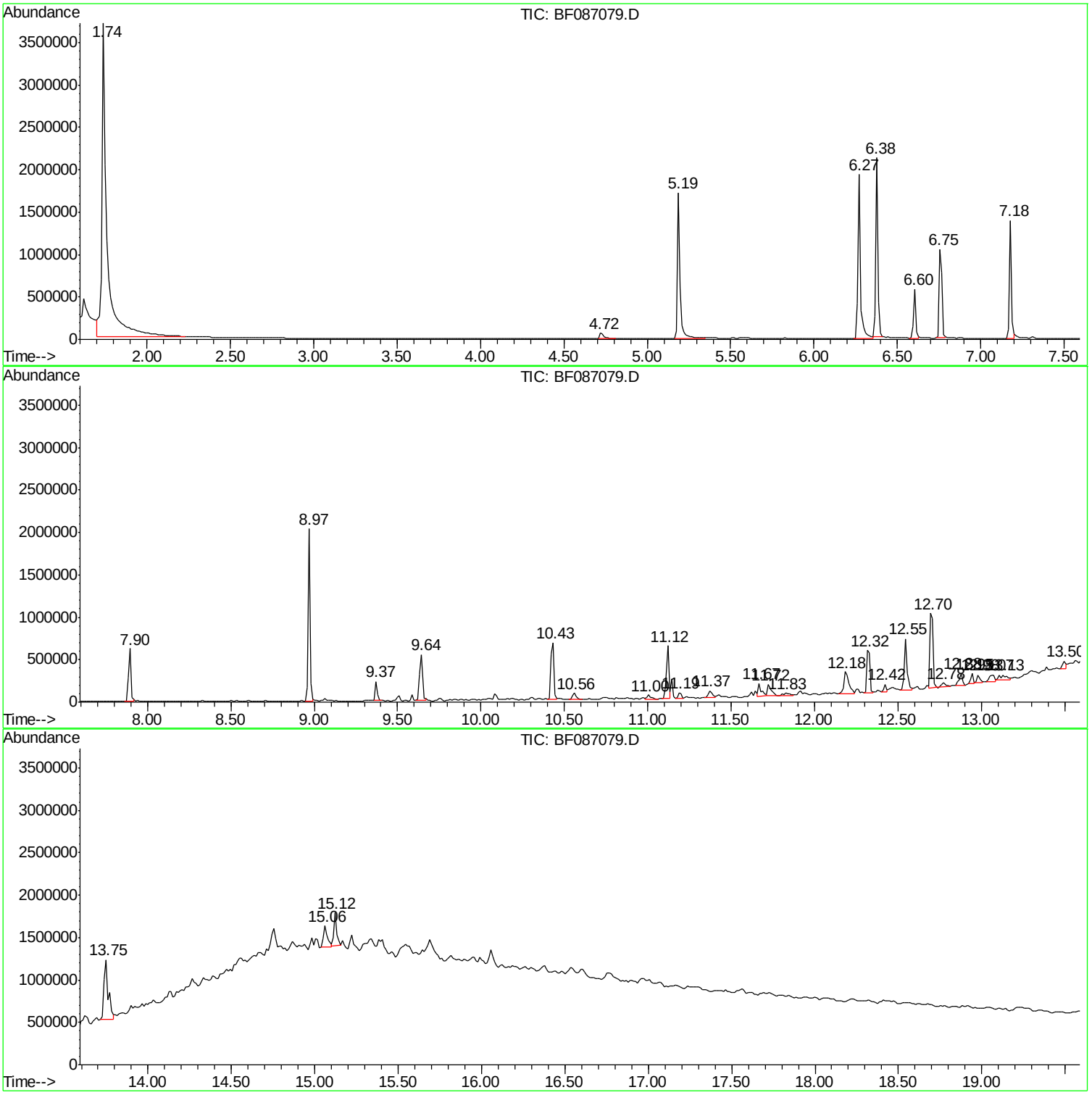
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087079.D
Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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\BF051616\
Data File : BF087079.D
Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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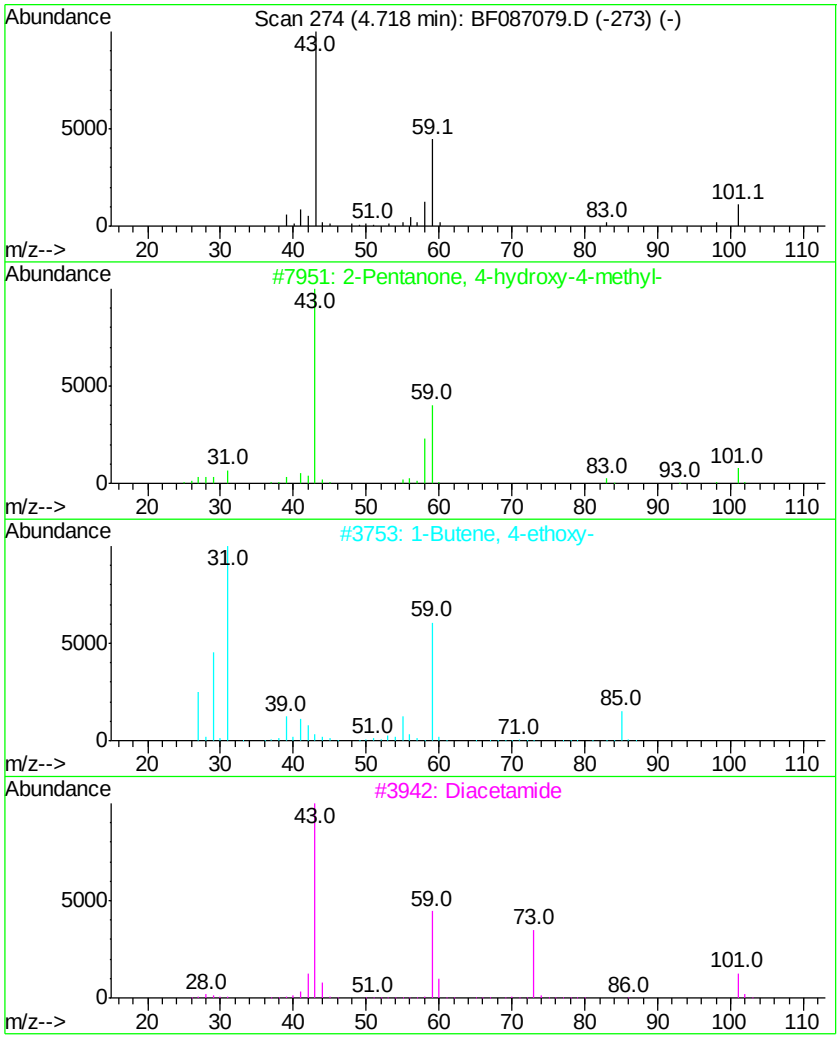
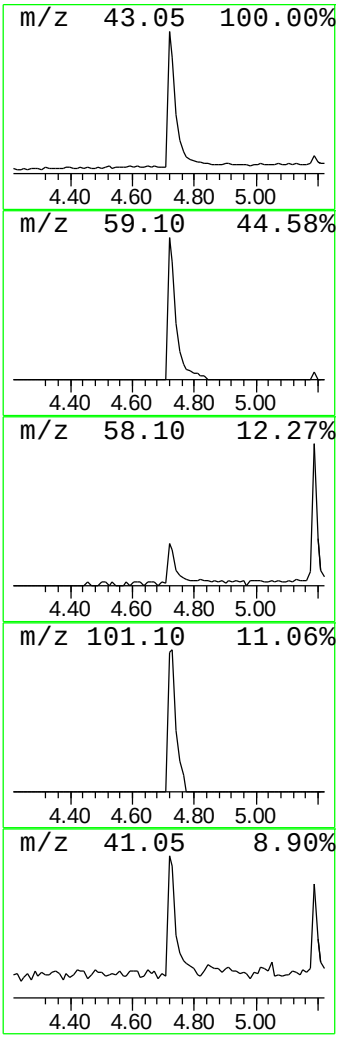
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.72	4.30 ng	118928	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	1-Butene, 4-ethoxy-	100	C6H12O	044611-46-3	23
3	Diacetamide	101	C4H7NO2	000625-77-4	9
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5	Propylamine	59	C3H9N	000107-10-8	7





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087079.D
Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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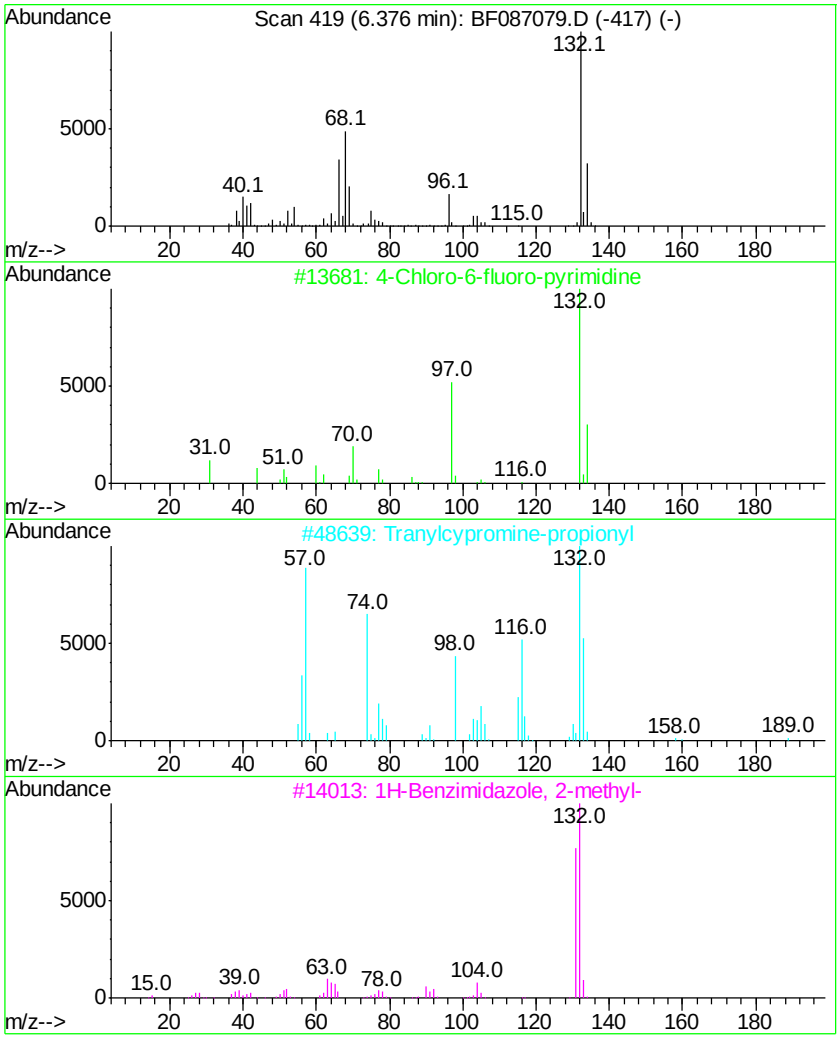
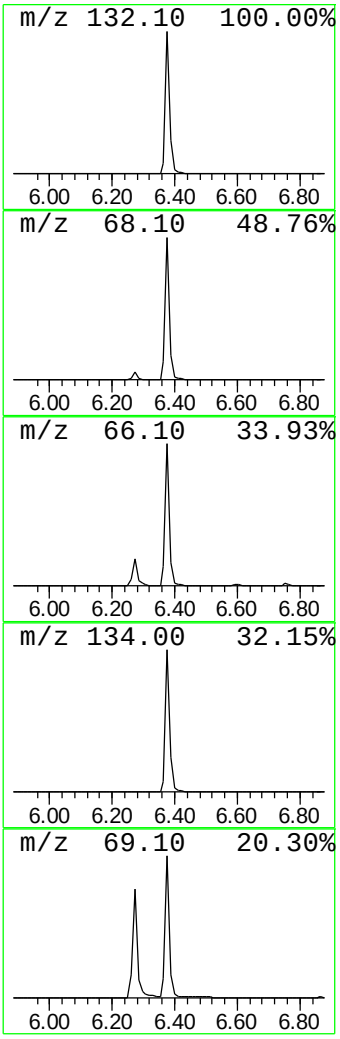
Peak Number 3 unknown6.38 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	69.87 ng	1930780	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087079.D
Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

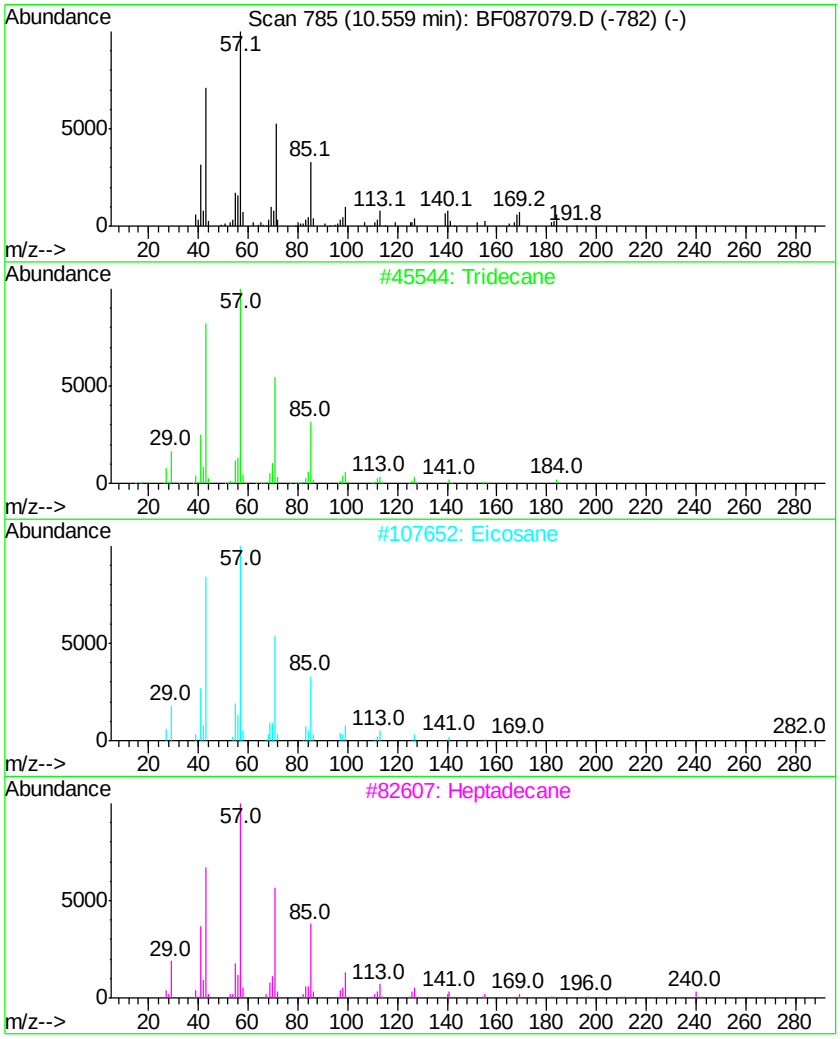
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

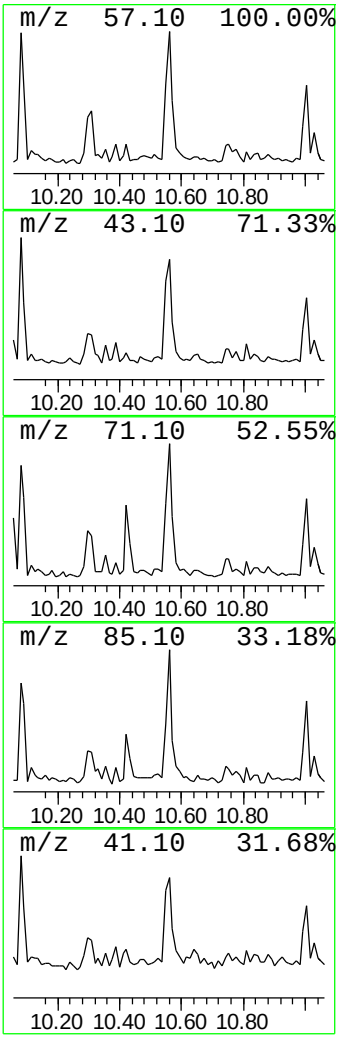
****

Peak Number 5 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	3.91 ng	112644	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Eicosane	282	C20H42	000112-95-8	81
3	Heptadecane	240	C17H36	000629-78-7	74
4	Octacosane	394	C28H58	000630-02-4	74
5	Octadecane	254	C18H38	000593-45-3	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087079.D
Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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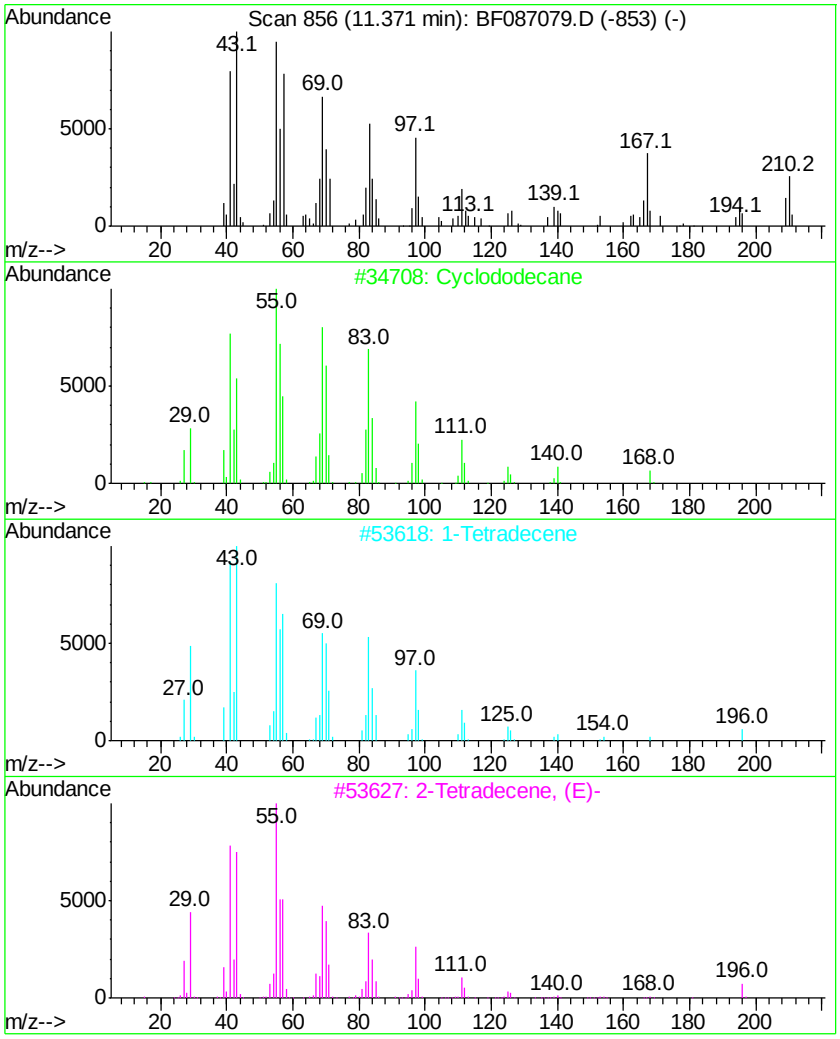
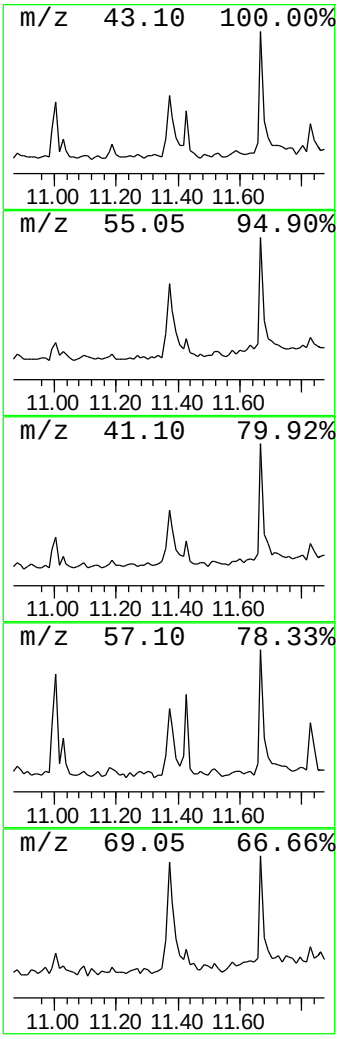
Peak Number 7 Cyclododecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	5.00 ng	143942	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclododecane	168	C12H24	000294-62-2	98
2	1-Tetradecene	196	C14H28	001120-36-1	97
3	2-Tetradecene, (E)-	196	C14H28	035953-53-8	96
4	Cyclotetradecane	196	C14H28	000295-17-0	92
5	7-Tetradecene, (E)-	196	C14H28	041446-63-3	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087079.D
Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

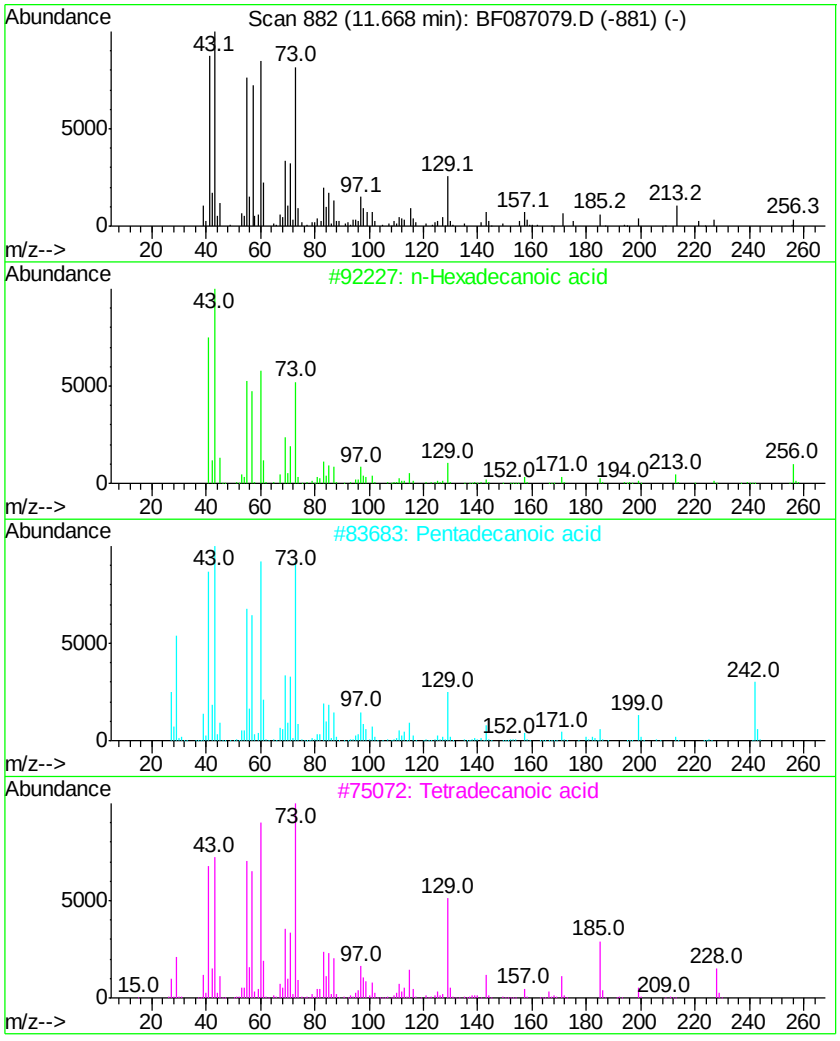
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

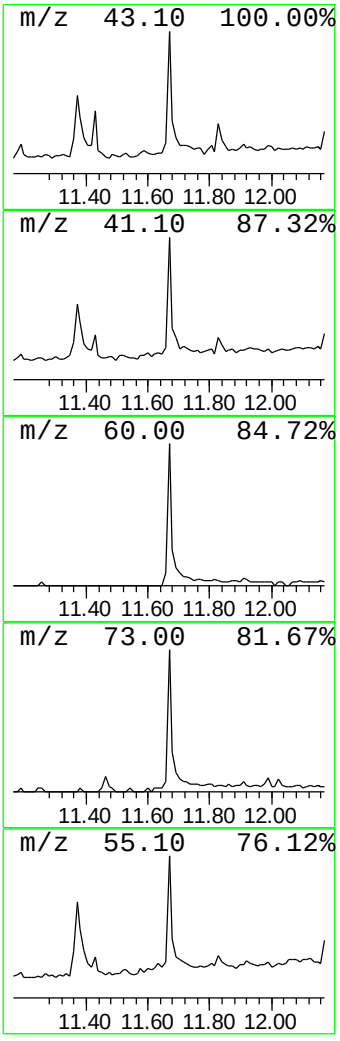
****

Peak Number 8 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	6.91 ng	199151	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Tridecanoic acid	214	C13H26O2	000638-53-9	78
5	Undecanoic acid	186	C11H22O2	000112-37-8	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087079.D
Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

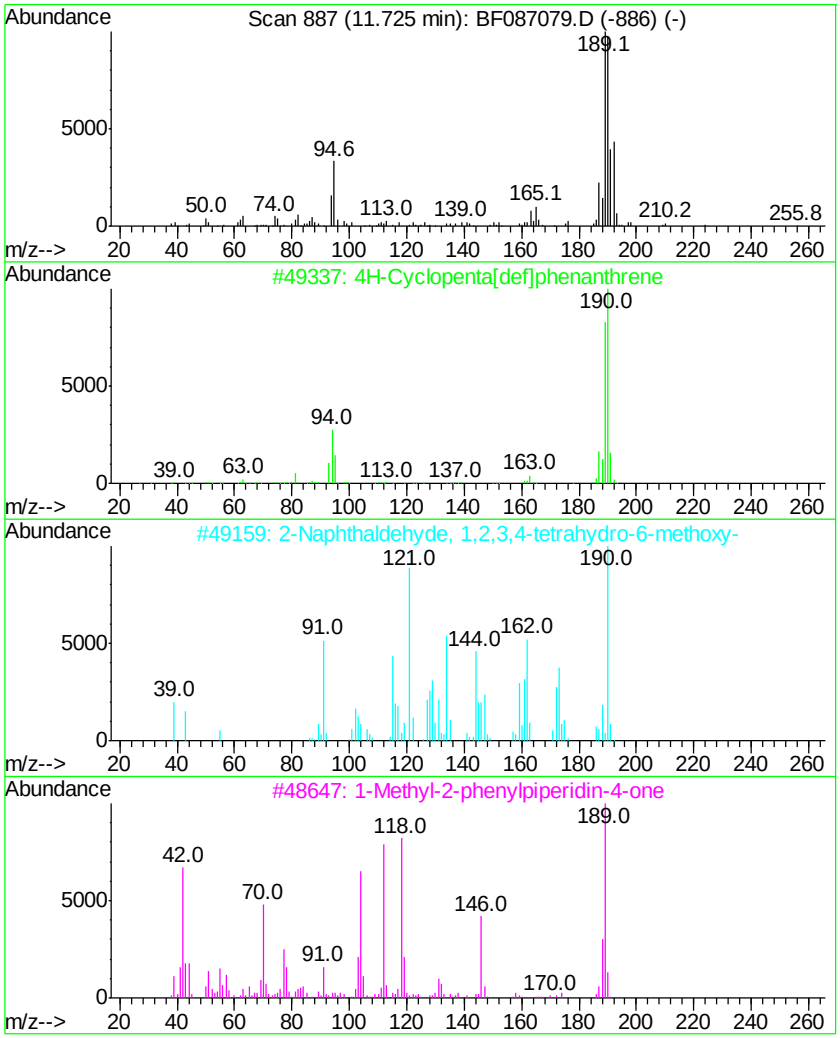
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

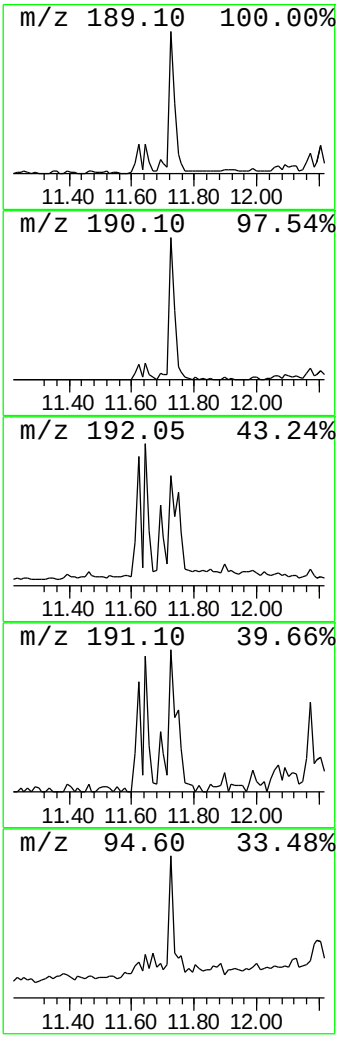
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	6.25 ng	180018	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	11
3	1-Methyl-2-phenylpiperidin-4-one	189	C12H15NO	091640-05-0	10
4	Megastigmatrienone	190	C13H18O	038818-55-2	9
5	Pyrazol-5(4H)-one, 3-(4-methoxyp...	190	C10H10N2O2	001578-89-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087079.D
Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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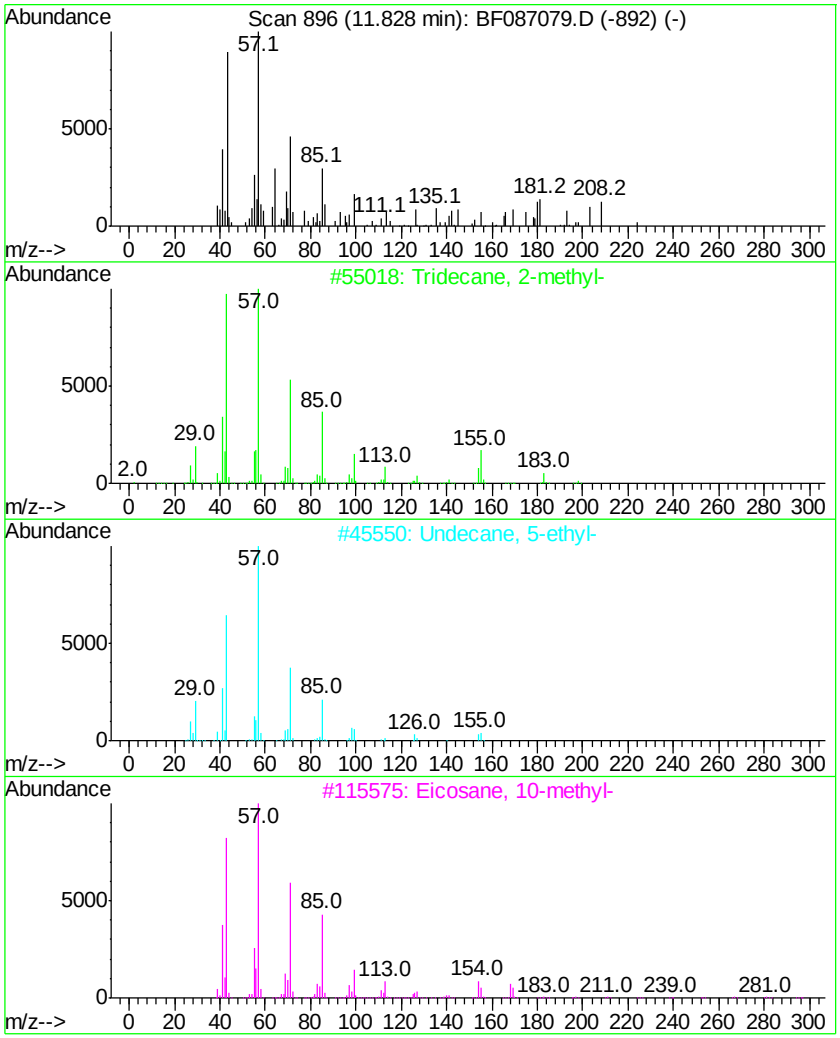
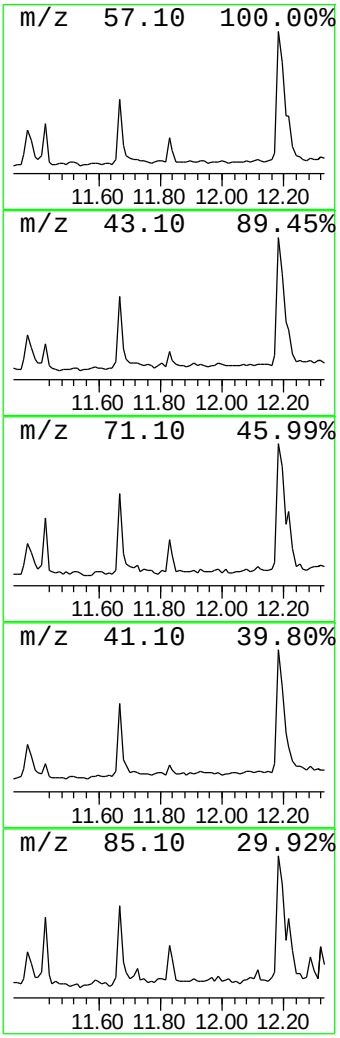
Peak Number 10 unknown11.83 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.78 ng	80027	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	46
2	Undecane, 5-ethyl-	184	C13H28	017453-94-0	43
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	43
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	43
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087079.D
Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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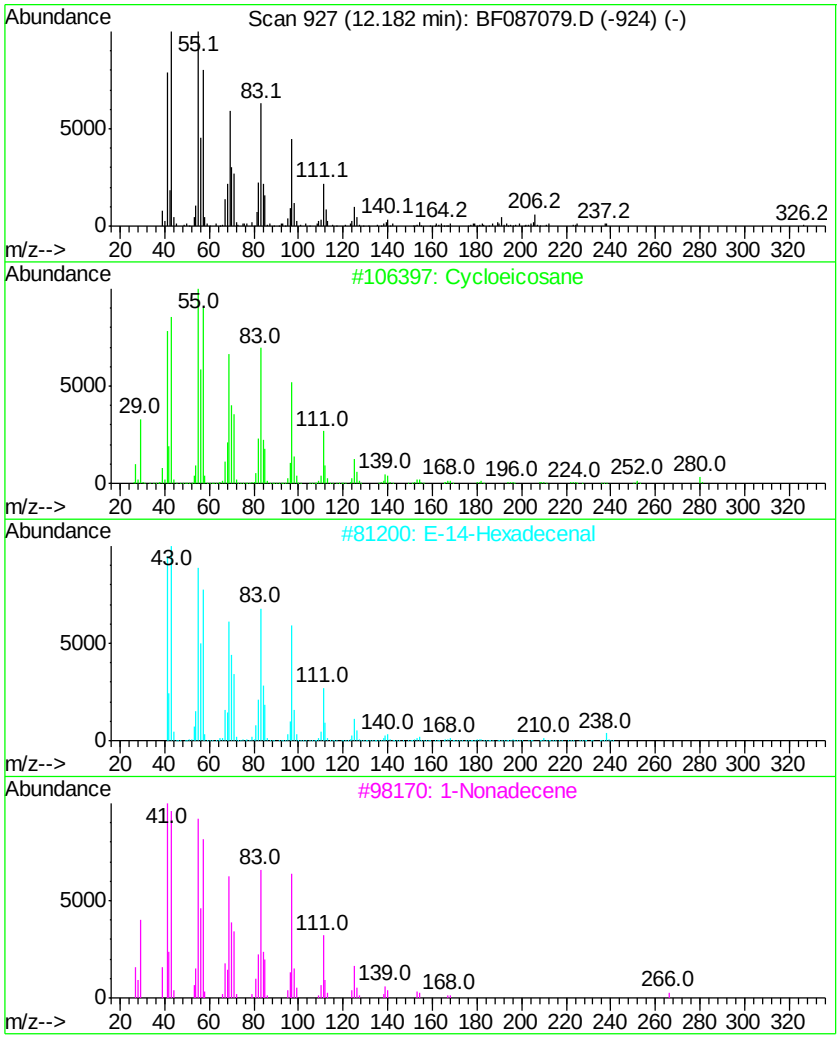
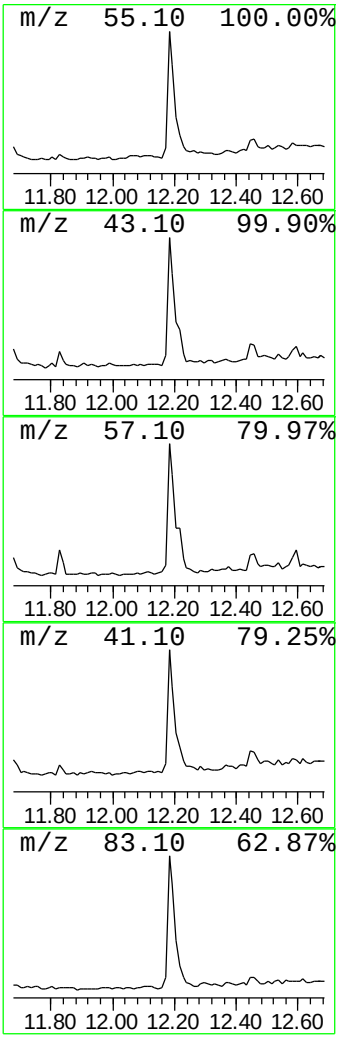
Peak Number 11 Cycloeicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	19.36 ng	557511	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	94
2	E-14-Hexadecenal	238	C16H30O	330207-53-9	91
3	1-Nonadecene	266	C19H38	018435-45-5	91
4	1-Hexadecanol	242	C16H34O	036653-82-4	91
5	5-Eicosene, (E)-	280	C20H40	074685-30-6	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087079.D
Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

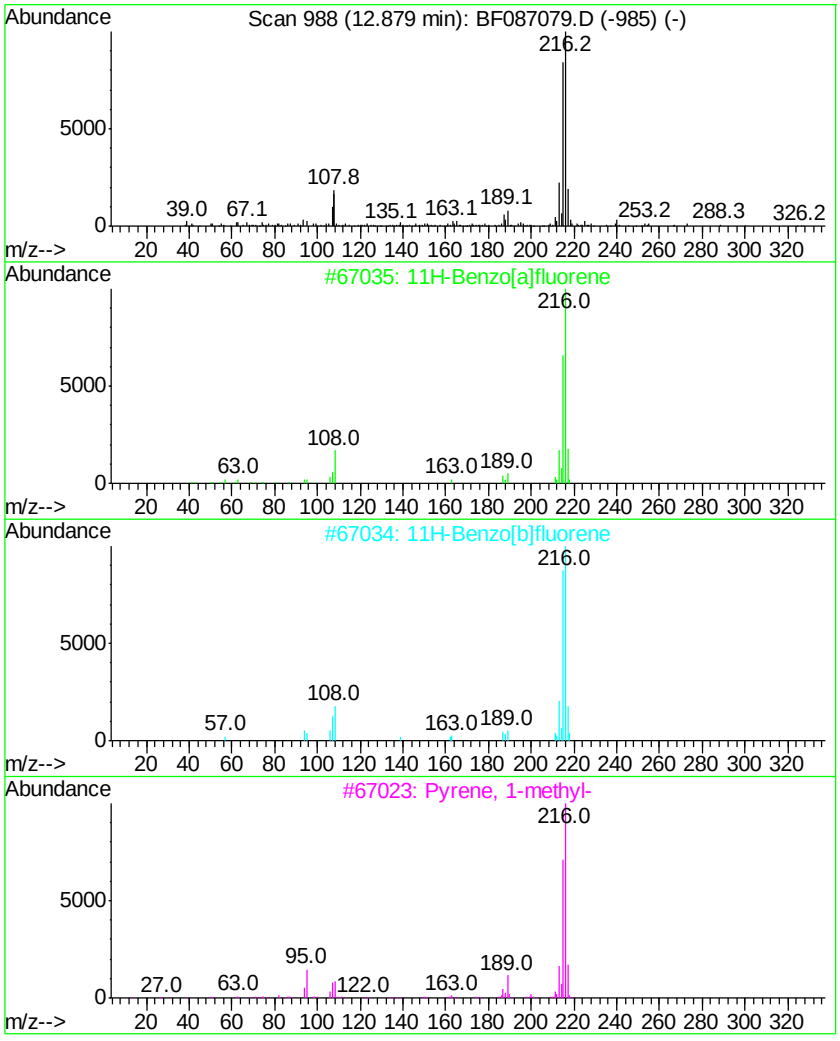
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

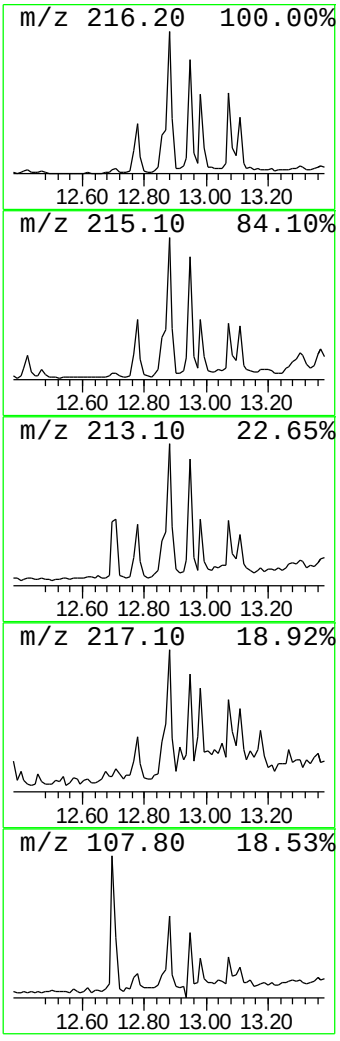
****

Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	3.01 ng	197584	Chrysene-d12	13.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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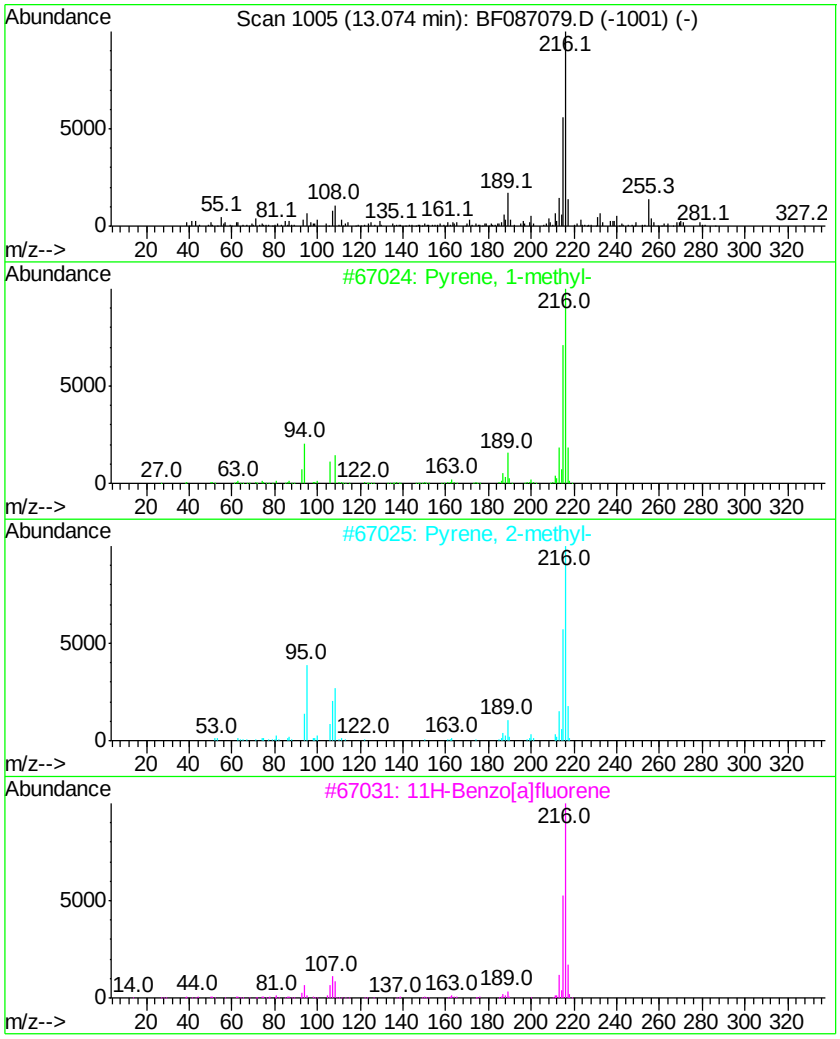
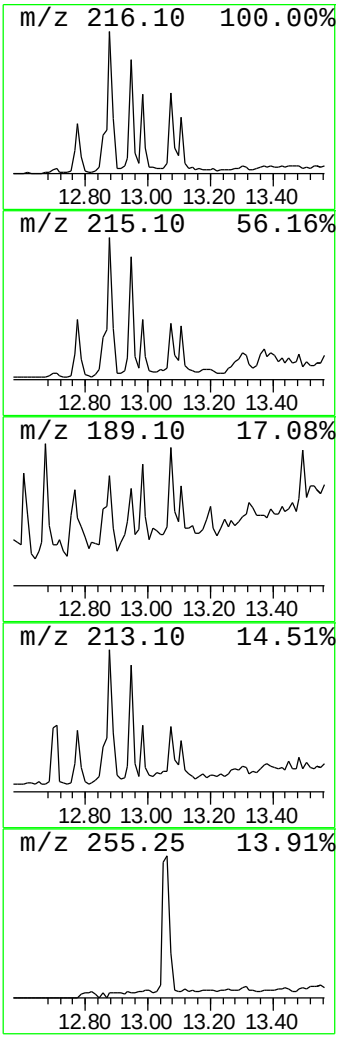
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.58 ng	169615	Chrysene-d12	13.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087079.D
Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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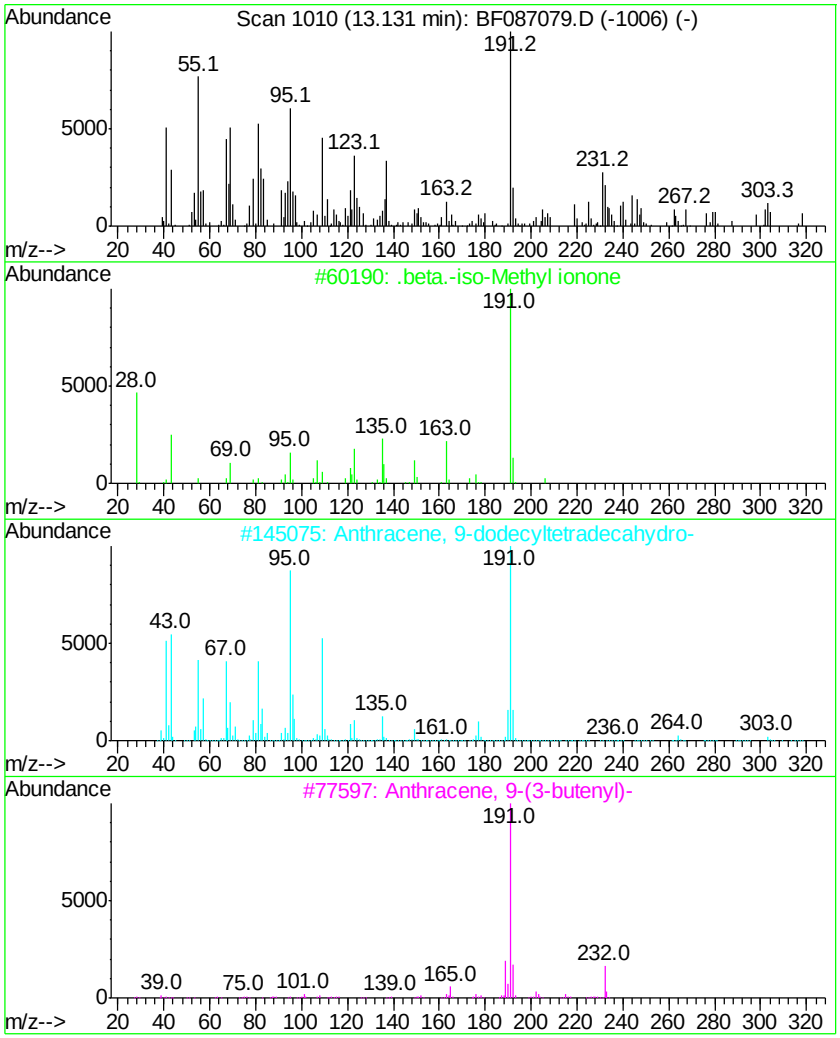
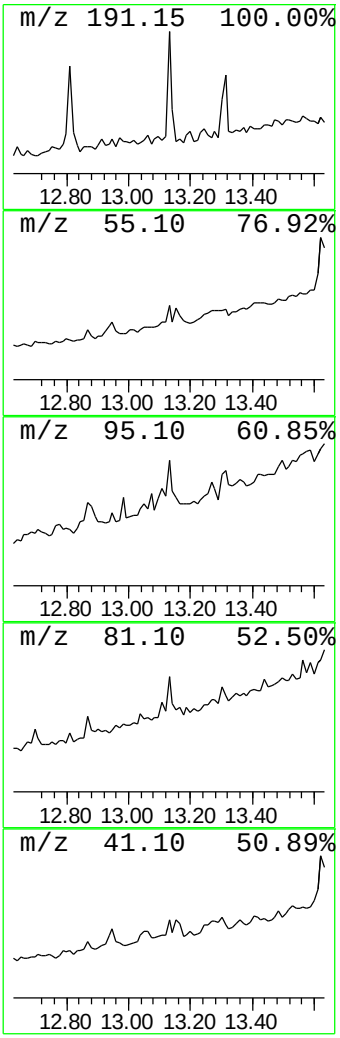
Peak Number 15 .beta.-iso-Methyl ionone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.80 ng	183869	Chrysene-d12	13.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	60
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	38
3	Anthracene, 9-(3-butenyl)-	232	C18H16	097451-55-3	35
4	Acetamide, N-[3-[[(2,5-dioxo-1-p...	303	C16H21N3O3	027550-64-7	30
5	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
Data File : BF087079.D
Acq On : 16 May 2016 14:10
Operator : UM/SJ
Sample : H2968-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP42-4.5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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
2-Pentanone, 4-hy...	4.72	4.3	ng	118928	1	6.60	552661	20.0
unknown6.38	6.38	69.9	ng	1930780	1	6.60	552661	20.0
Tridecane	10.56	3.9	ng	112644	4	11.12	576023	20.0
Cyclododecane	11.37	5.0	ng	143942	4	11.12	576023	20.0
n-Hexadecanoic acid	11.67	6.9	ng	199151	4	11.12	576023	20.0
4H-Cyclopenta[def...	11.72	6.3	ng	180018	4	11.12	576023	20.0
unknown11.83	11.83	2.8	ng	80027	4	11.12	576023	20.0
Cycloeicosane	12.18	19.4	ng	557511	4	11.12	576023	20.0
11H-Benzo[a]fluorene	12.88	3.0	ng	197584	5	13.75	1313900	20.0
Pyrene, 1-methyl-	13.07	2.6	ng	169615	5	13.75	1313900	20.0
.beta.-iso-Methyl...	13.13	2.8	ng	183869	5	13.75	1313900	20.0