LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF020617\
Data File : BF092815.D
Acq On : 7 Feb 2017 00:10
Operator : SJ/MA
Sample : I1699-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

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-BF013017.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	4.441	204	206	209	rBV	876010	1141195	28.36%	3.268%
2	4.773	233	235	242	rBV	28004	47833	1.19%	0.137%
3	5.116	261	265	267	rBV	2496835	4024249	100.00%	11.522%
4	5.527	298	301	303	rBV	1034967	1170163	29.08%	3.350%
5	6.556	388	391	394	rBV	2792706	3102008	77.08%	8.882%
6	6.682	400	402	405	rBV	1987946	2130070	52.93%	6.099%
7	6.910	420	422	425	rVB	691595	868931	21.59%	2.488%
8	7.070	434	436	439	rBV	2674649	2691786	66.89%	7.707%
9	7.482	469	472	474	rBV	2320569	2221111	55.19%	6.360%
10	8.202	533	535	537	rBV	1411233	1167510	29.01%	3.343%
11	8.785	585	586	588	rBV	30763	42365	1.05%	0.121%
12	9.013	604	606	610	rVB	40935	43882	1.09%	0.126%
13	9.276	626	629	632	rBV	3742748	3588988	89.18%	10.276%
14	9.356	634	636	637	rBV	115080	111373	2.77%	0.319%
15	9.539	650	652	655	rBV	45441	78133	1.94%	0.224%
16	9.619	655	659	662	rBV3	70018	187917	4.67%	0.538%
17	9.676	662	664	665	rVB	260240	355829	8.84%	1.019%
18	9.813	674	676	678	rBV2	50835	73218	1.82%	0.210%
19	9.882	678	682	685	rVV2	159380	240563	5.98%	0.689%
20	9.962	686	689	690	rVV	992472	1234364	30.67%	3.534%
21	9.985	690	691	693	rVV	124380	146849	3.65%	0.420%
22	10.065	696	698	700	rVV2	33417	51626	1.28%	0.148%
23	10.111	700	702	704	rVV3	34863	64364	1.60%	0.184%
24	10.156	704	706	708	rVV2	93737	134887	3.35%	0.386%
25	10.202	708	710	712	rVV2	68363	79448	1.97%	0.227%
26	10.271	715	716	718	rBV	46823	60632	1.51%	0.174%
27	10.362	722	724	725	rBV	65440	93508	2.32%	0.268%
28	10.385	725	726	727	rVB	209349	144508	3.59%	0.414%
29	10.499	734	736	739	rVB	97734	114151	2.84%	0.327%
30	10.602	743	745	748	rVV	86299	122651	3.05%	0.351%
31	10.739	755	757	759	rBV3	118915	149742	3.72%	0.429%
32	10.865	766	768	771	rBV	205382	364783	9.06%	1.044%
33	10.945	773	775	777	rBV3	26345	45013	1.12%	0.129%
34	11.048	782	784	786	rBV2	46497	78722	1.96%	0.225%

LSC Area Percent Report

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Data File : BF092815.D
Acq On : 7 Feb 2017 00:10
Operator : SJ/MA
Sample : I1699-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

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-BF013017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.185	793	796	798	rBV2	102665	187239	4.65%	0.536%
36	11.311	804	807	808	rBV	131644	177778	4.42%	0.509%
37	11.334	808	809	812	rVB2	133171	150744	3.75%	0.432%
38	11.448	817	819	822	rBV2	955689	1527539	37.96%	4.374%
39	11.516	822	825	827	rVB2	150559	194076	4.82%	0.556%
40	11.676	837	839	842	rBV2	62741	82781	2.06%	0.237%
41	11.734	842	844	846	rBV	177036	162148	4.03%	0.464%
42	11.951	860	863	864	rBV	62692	113287	2.82%	0.324%
43	11.974	864	865	868	rVV	130414	132982	3.30%	0.381%
44	12.054	871	872	876	rVB	143326	233090	5.79%	0.667%
45	12.534	912	914	915	rBV	124778	132625	3.30%	0.380%
46	12.659	923	925	927	rBV	1071627	961707	23.90%	2.754%
47	12.717	927	930	931	rVV3	59700	109826	2.73%	0.314%
48	12.888	943	945	948	rVB	877682	861393	21.41%	2.466%
49	13.037	955	958	960	rBV	2103302	2505450	62.26%	7.174%
50	13.117	960	965	966	rBV2	120702	295959	7.35%	0.847%
51	14.088	1047	1050	1051	rBV2	773857	924562	22.97%	2.647%

Sum of corrected areas: 34925558

LSC Report - Integrated Chromatogram

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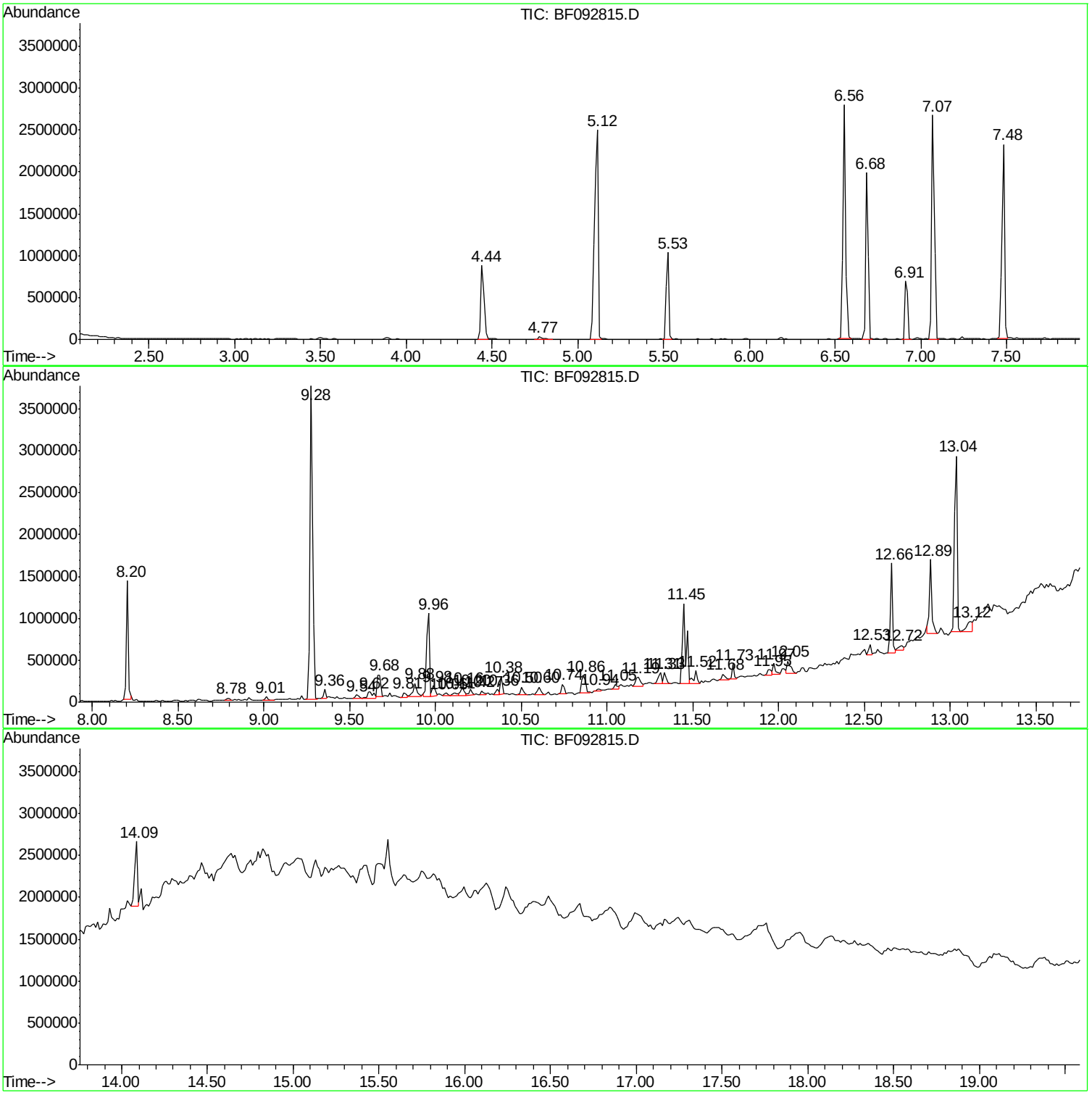
Data File : BF092815.D
Acq On : 7 Feb 2017 00:10
Operator : SJ/MA
Sample : I1699-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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\BF020617\
Data File : BF092815.D
Acq On : 7 Feb 2017 00:10
Operator : SJ/MA
Sample : I1699-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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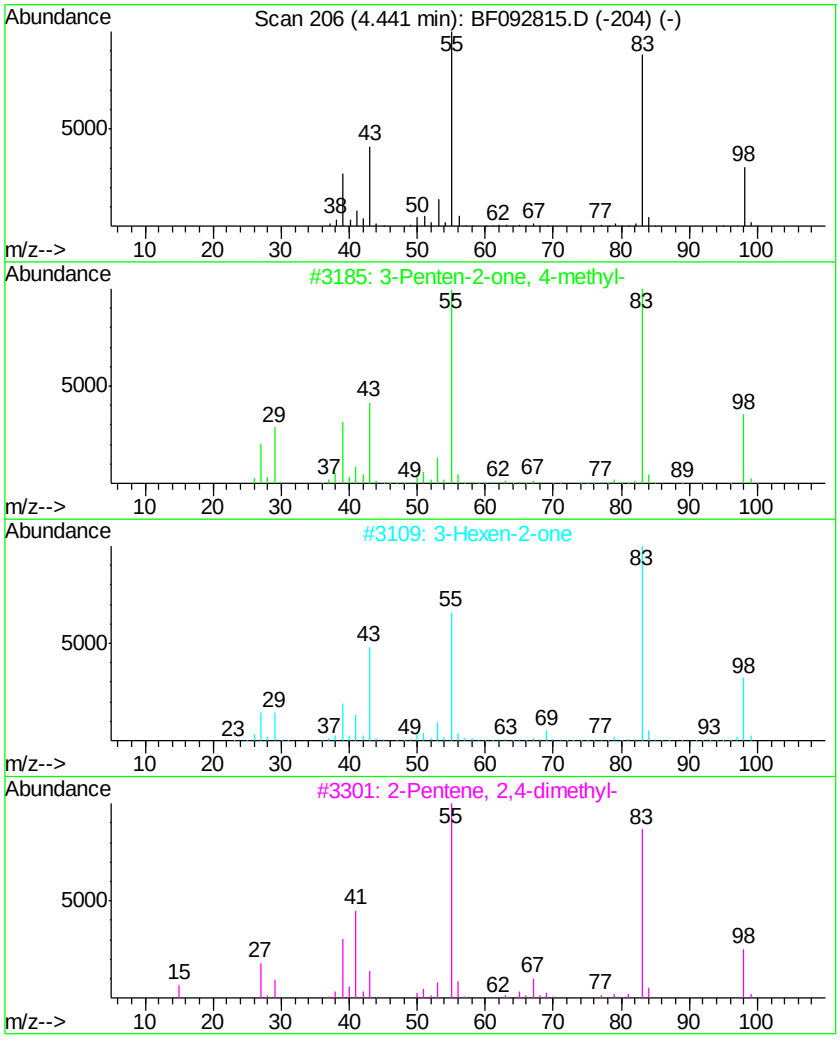
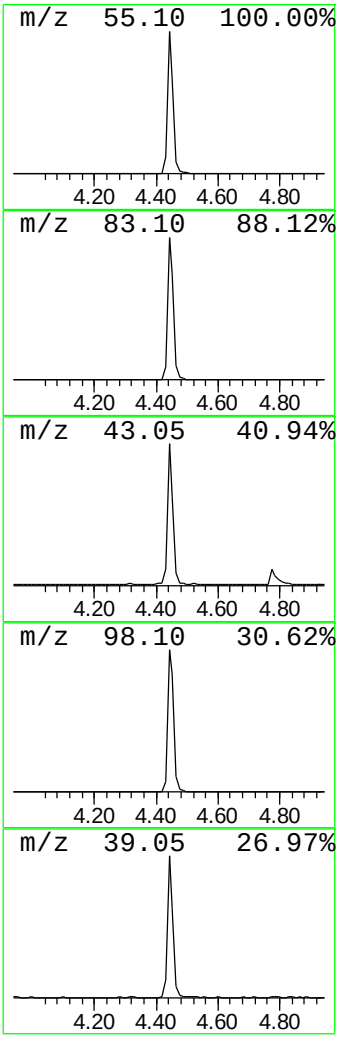
Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.44	26.27 ng	1141200	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	94
2	3-Hexen-2-one	98	C6H10O	000763-93-9	87
3	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	86
4	2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	72
5	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	72





Data Path : Z:\HPCHEM1\BNA F\Data\BF020617\
Data File : BF092815.D
Acq On : 7 Feb 2017 00:10
Operator : SJ/MA
Sample : I1699-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

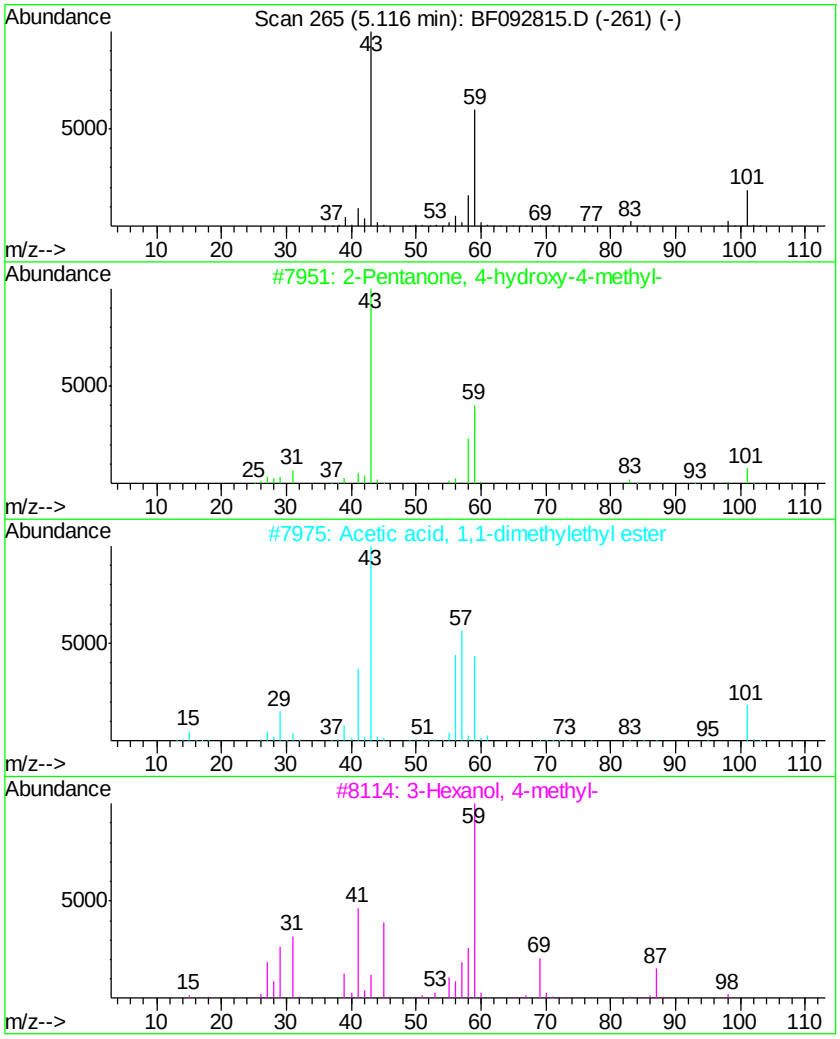
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

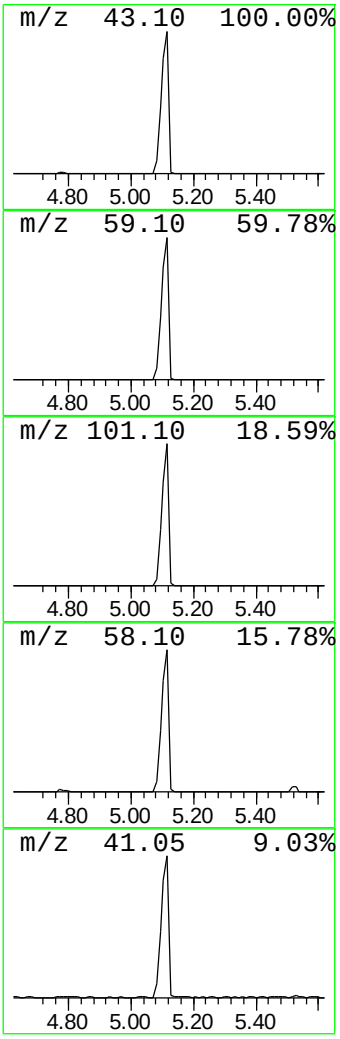
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	92.63 ng	4024250	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Data Path : Z:\HPCHEM1\BNA F\Data\BF020617\
Data File : BF092815.D
Acq On : 7 Feb 2017 00:10
Operator : SJ/MA
Sample : I1699-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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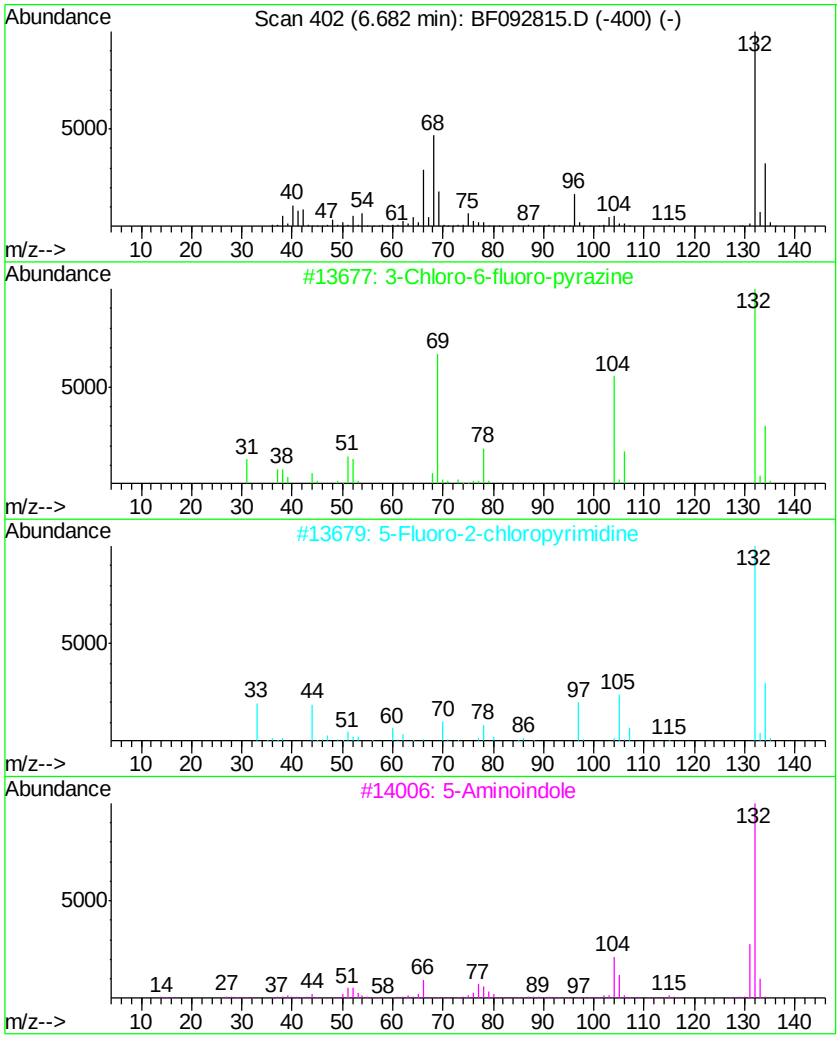
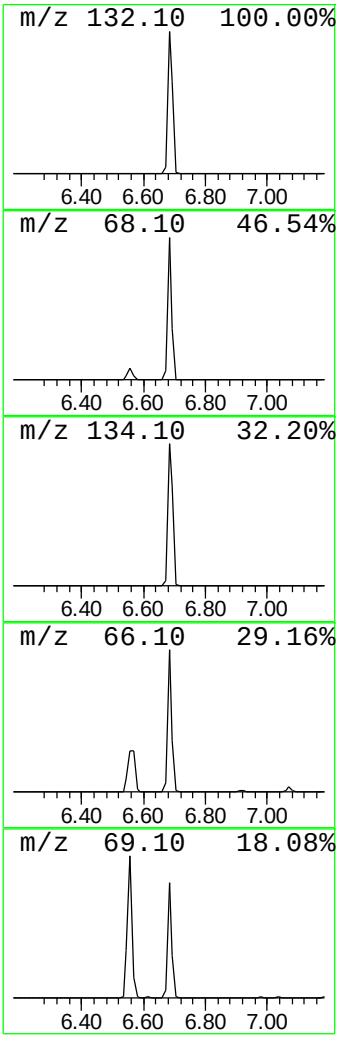
Peak Number 3 unknown6.68 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	49.03 ng	2130070	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





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Operator : SJ/MA
Sample : I1699-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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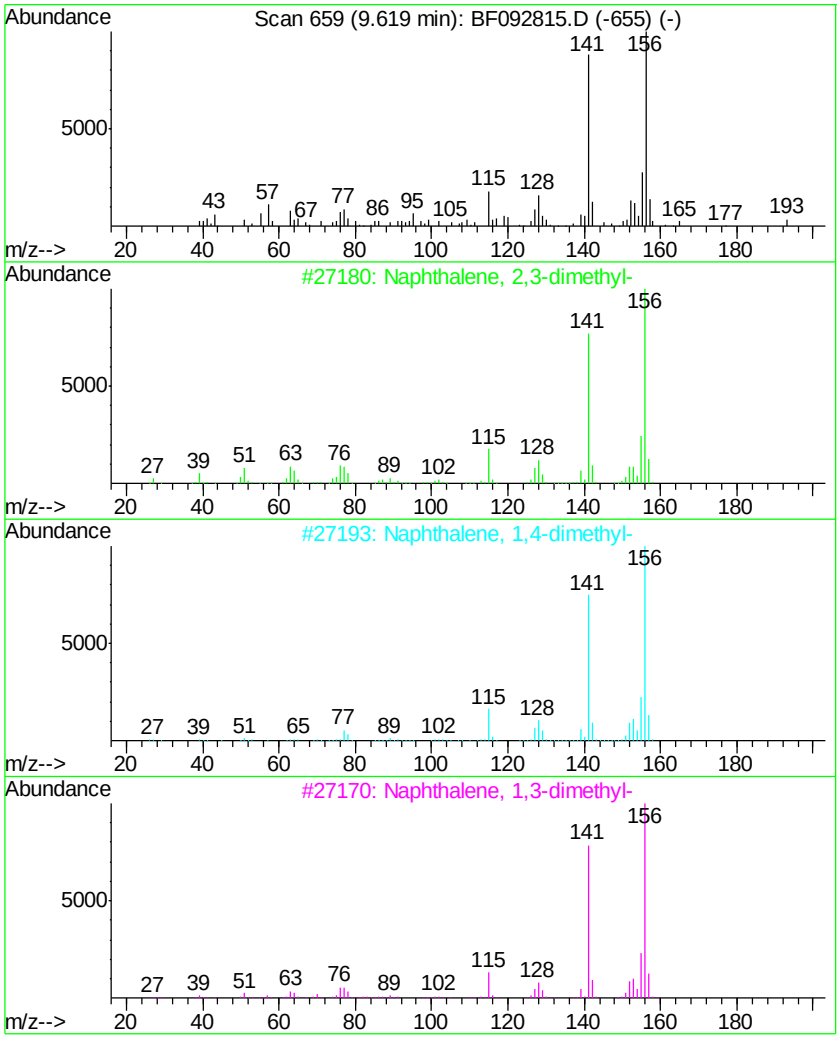
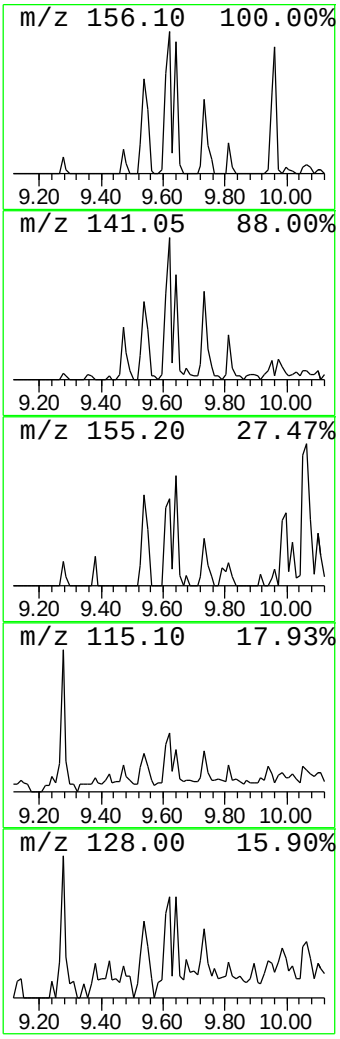
Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	3.04 ng	187917	Acenaphthene-d10	9.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





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Operator : SJ/MA
Sample : I1699-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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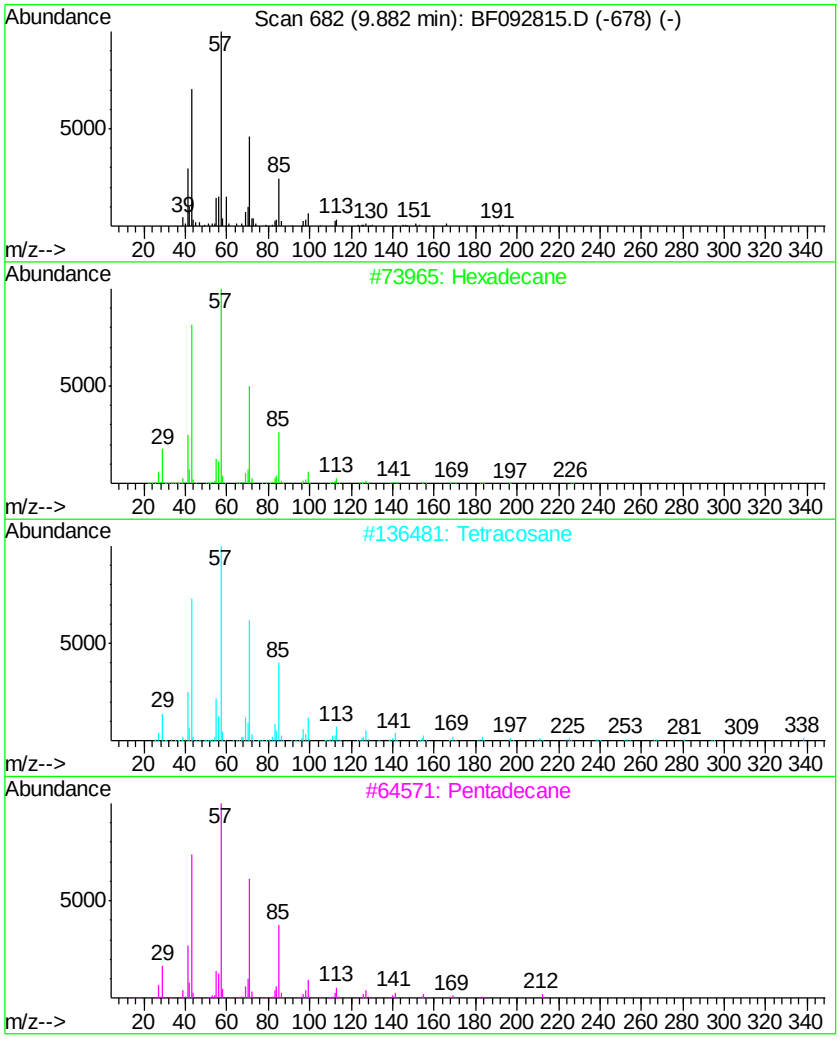
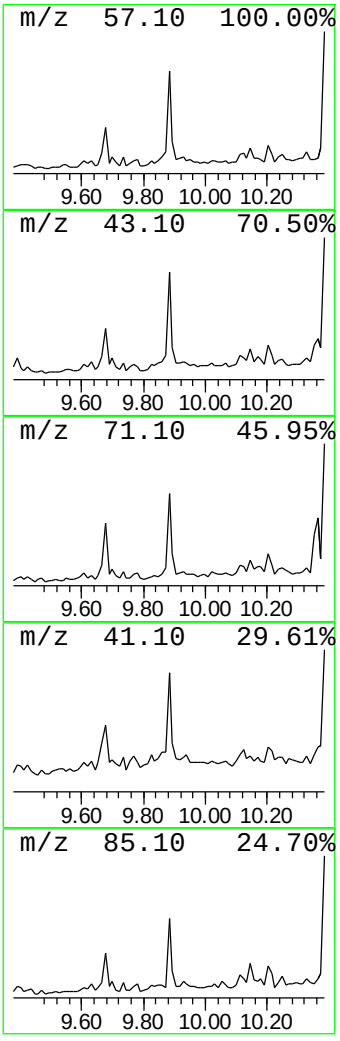
Peak Number 6 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	3.90 ng	240563	Acenaphthene-d10	9.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	80
2	Tetracosane	338	C24H50	000646-31-1	72
3	Pentadecane	212	C15H32	000629-62-9	72
4	Eicosane	282	C20H42	000112-95-8	72
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	59





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Data File : BF092815.D
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Operator : SJ/MA
Sample : I1699-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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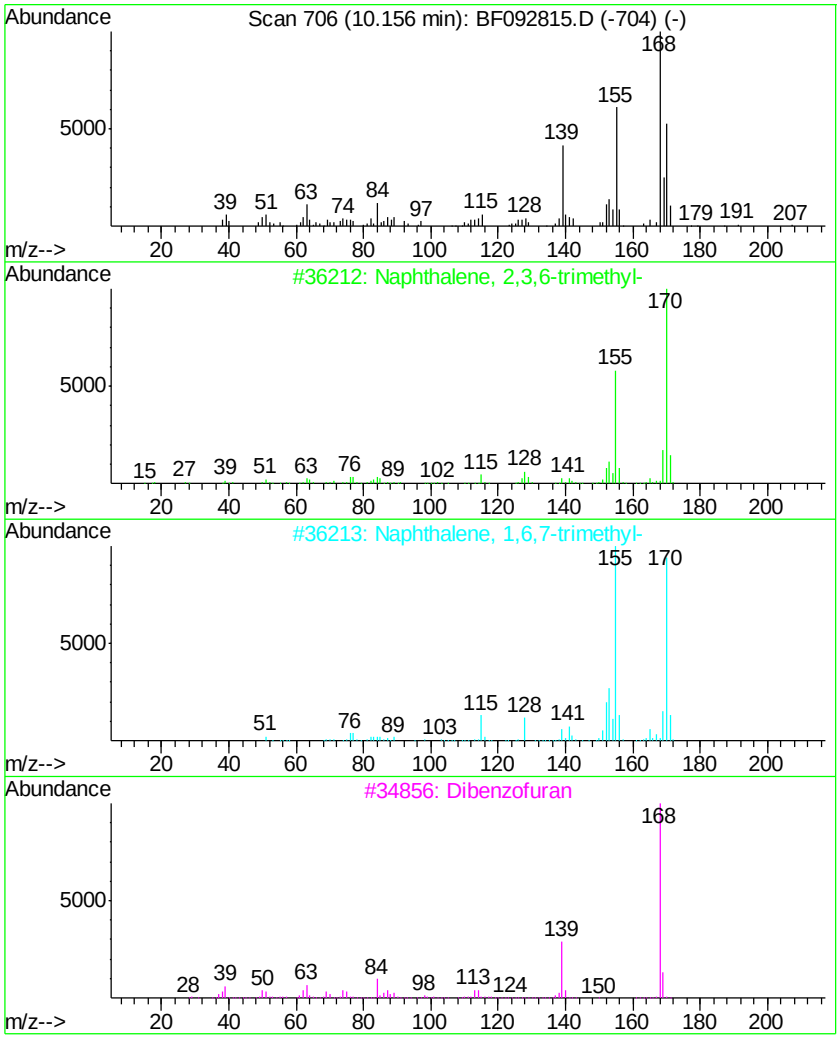
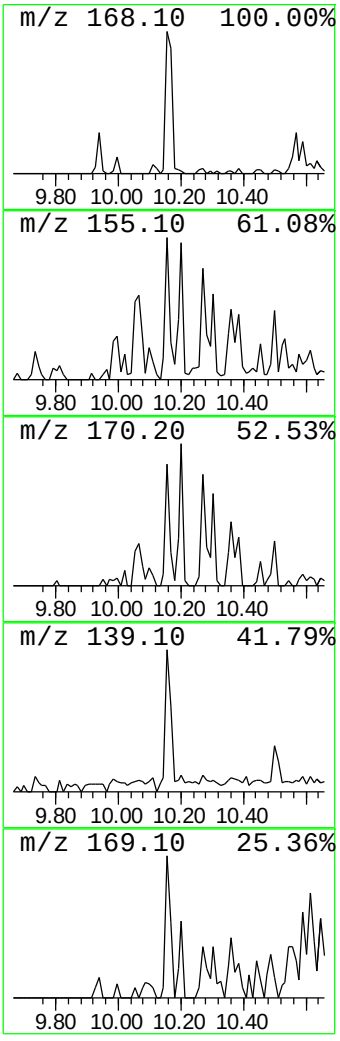
Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	2.19 ng	134887	Acenaphthene-d10	9.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	53
3	Dibenzofuran	168	C12H8O	000132-64-9	50
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	50
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	46





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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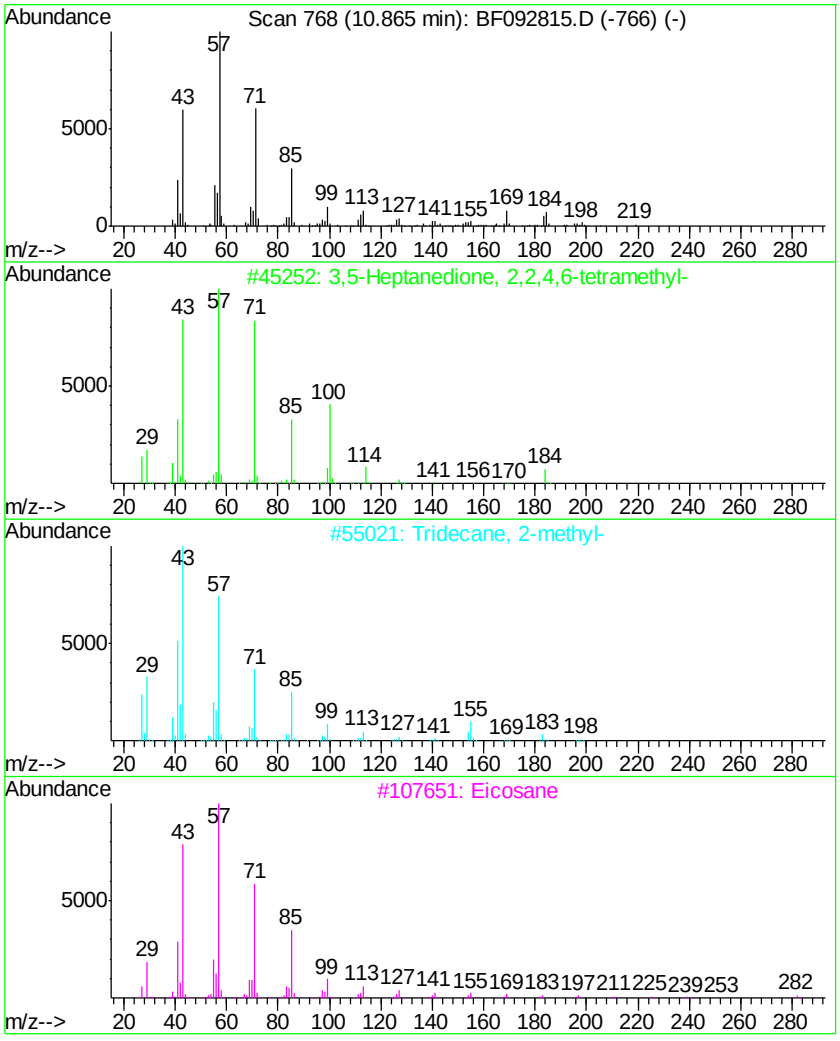
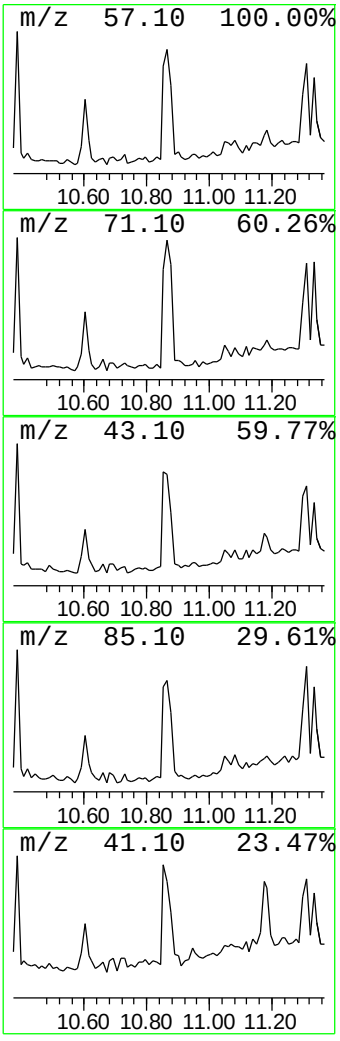
Peak Number 9 3,5-Heptanedione, 2,2,4,6-t... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	4.78 ng	364783	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Heptanedione, 2,2,4,6-tetram...	184	C11H20O2	1000162-24-5	83
2	Tridecane, 2-methyl-	198	C14H30	001560-96-9	80
3	Eicosane	282	C20H42	000112-95-8	80
4	Heptacosane	380	C27H56	000593-49-7	74
5	5-Ethyldecane	170	C12H26	017302-36-2	72





Data Path : Z:\HPCHEM1\BNA F\Data\BF020617\
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Acq On : 7 Feb 2017 00:10
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Sample : I1699-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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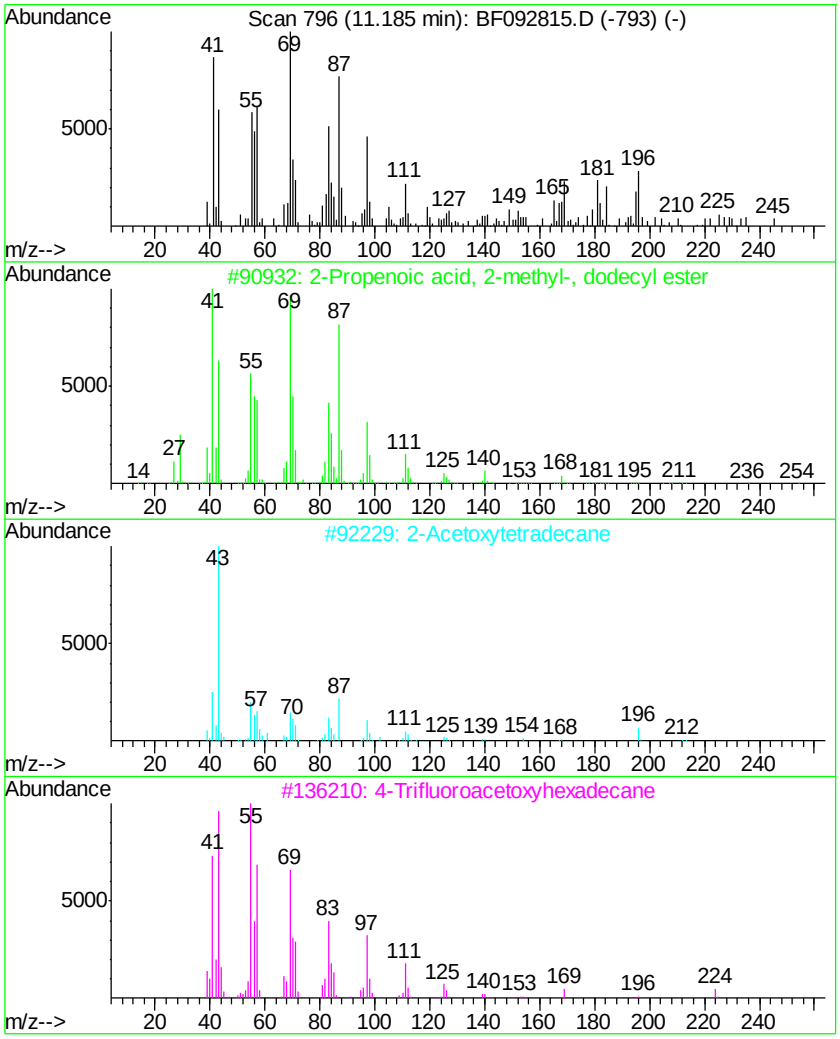
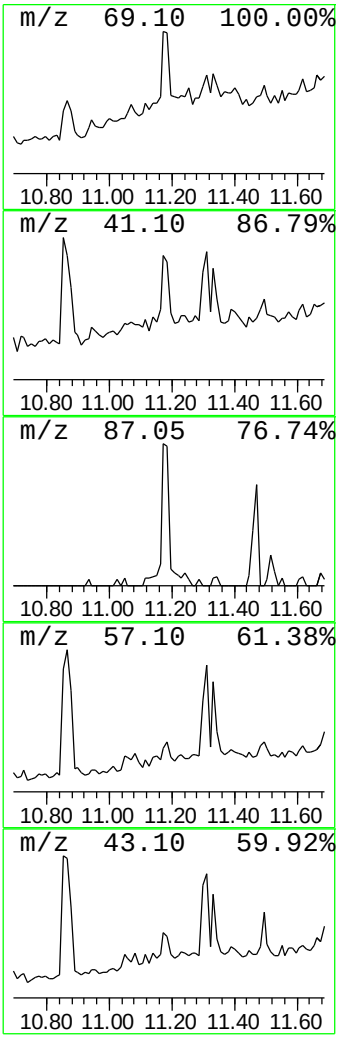
Peak Number 10 2-Propenoic acid, 2-methyl-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.45 ng	187239	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 2-methyl-, dod...	254	C16H30O2	000142-90-5	52
2	2-Acetoxytetradecane	256	C16H32O2	1000245-61-6	49
3	4-Trifluoroacetoxyhexadecane	338	C18H33F3O2	1000215-97-5	45
4	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	41
5	3-Tetradecene, (Z)-	196	C14H28	041446-67-7	35





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Acq On : 7 Feb 2017 00:10
Operator : SJ/MA
Sample : I1699-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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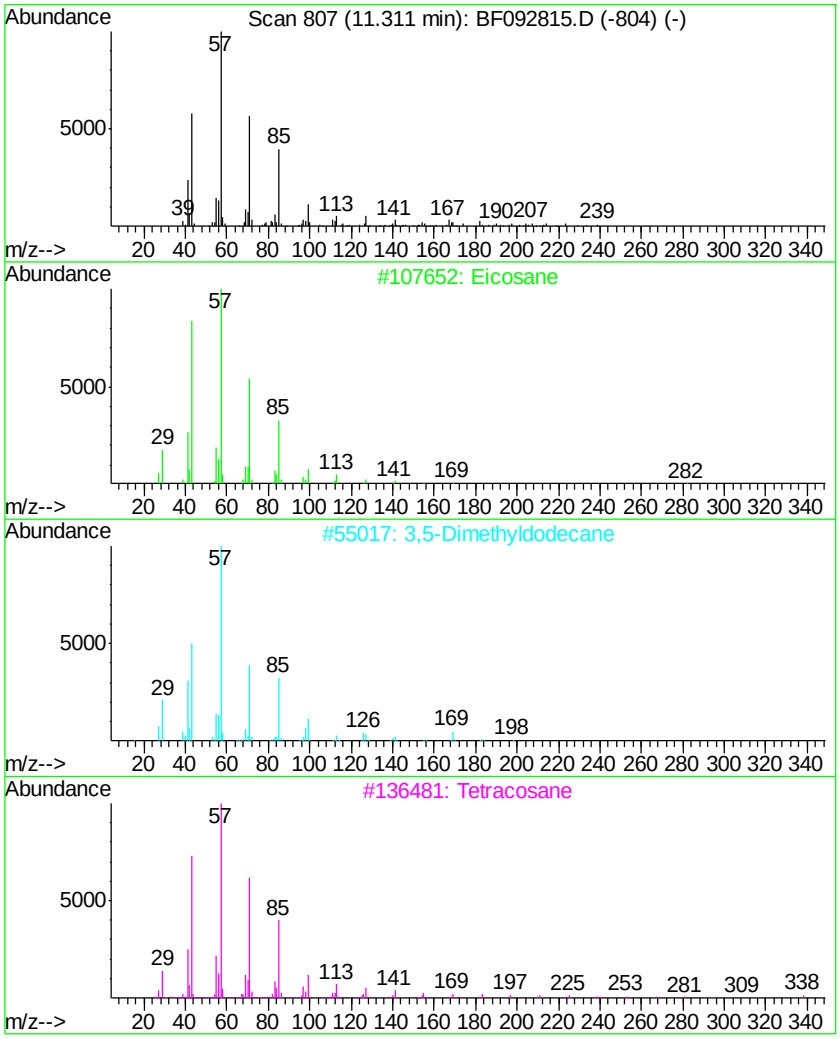
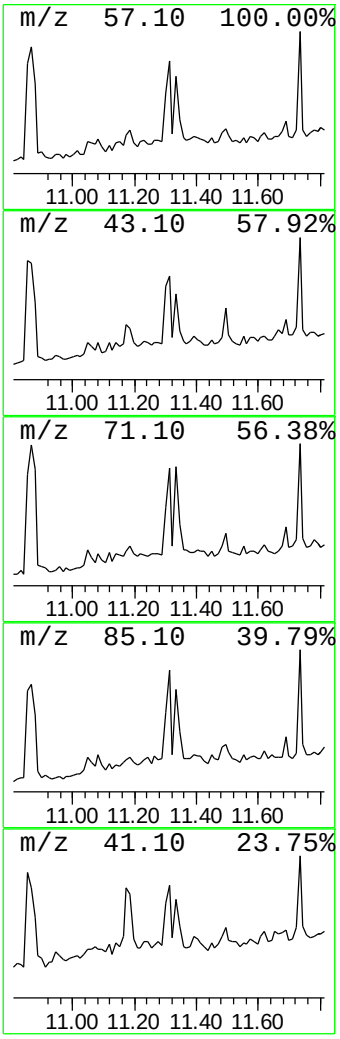
Peak Number 11 Eicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	2.33 ng	177778	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	3,5-Dimethyldodecane	198	C14H30	107770-99-0	90
3	Tetracosane	338	C24H50	000646-31-1	86
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	78
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	68





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Data File : BF092815.D
Acq On : 7 Feb 2017 00:10
Operator : SJ/MA
Sample : I1699-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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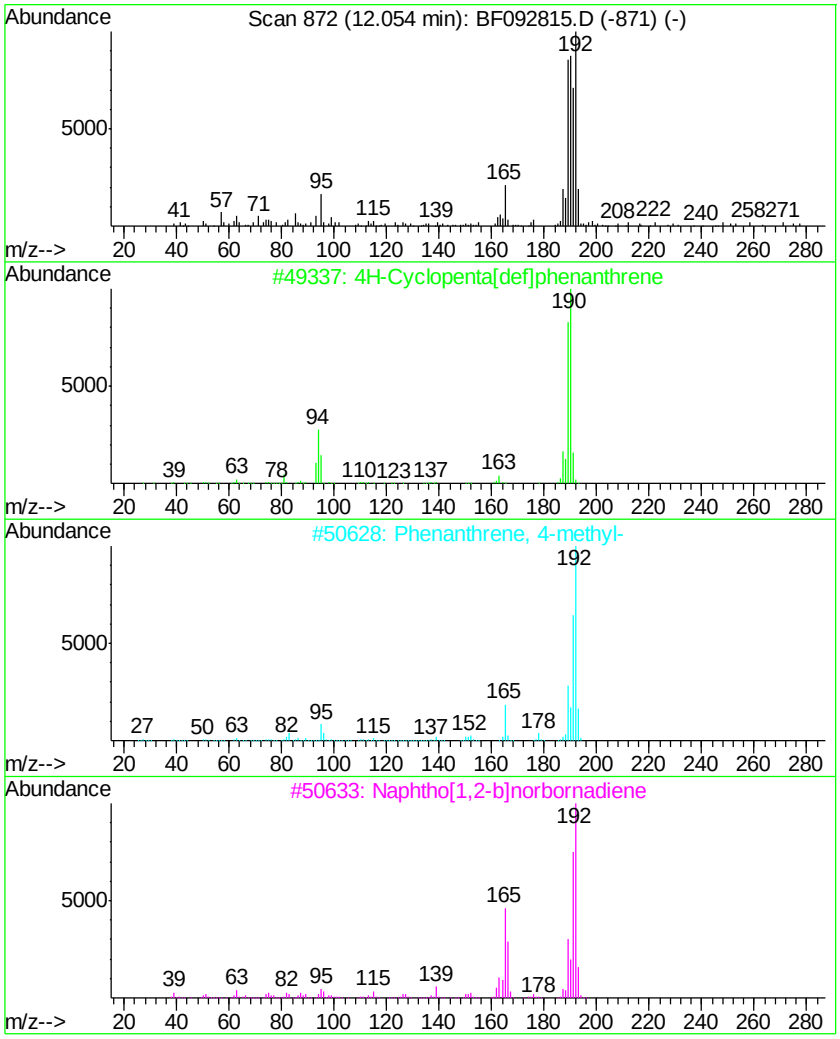
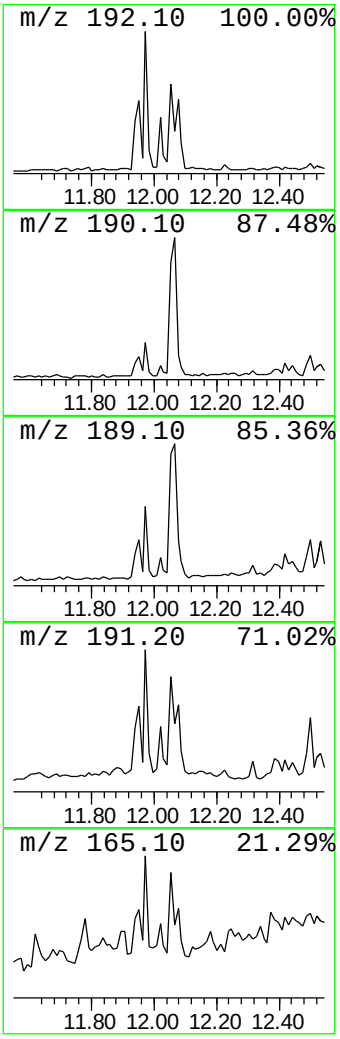
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	3.05 ng	233090	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
3	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	50
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	45





Data Path : Z:\HPCHEM1\BNA F\Data\BF020617\
Data File : BF092815.D
Acq On : 7 Feb 2017 00:10
Operator : SJ/MA
Sample : I1699-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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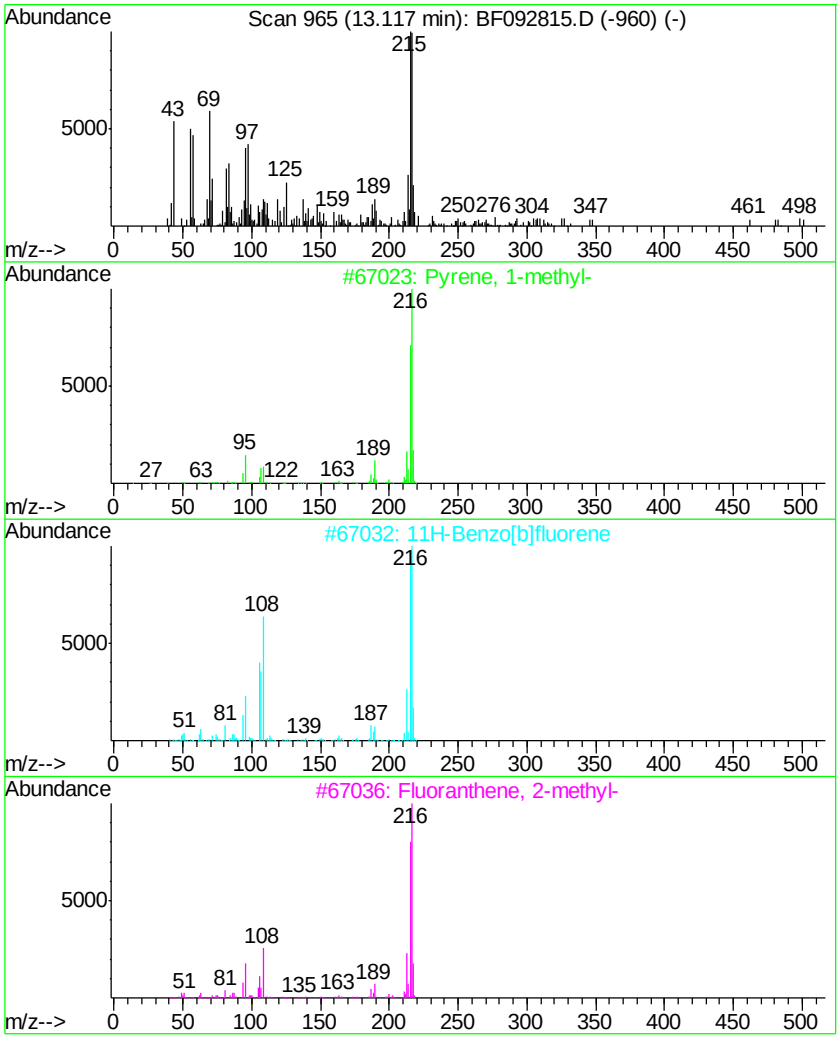
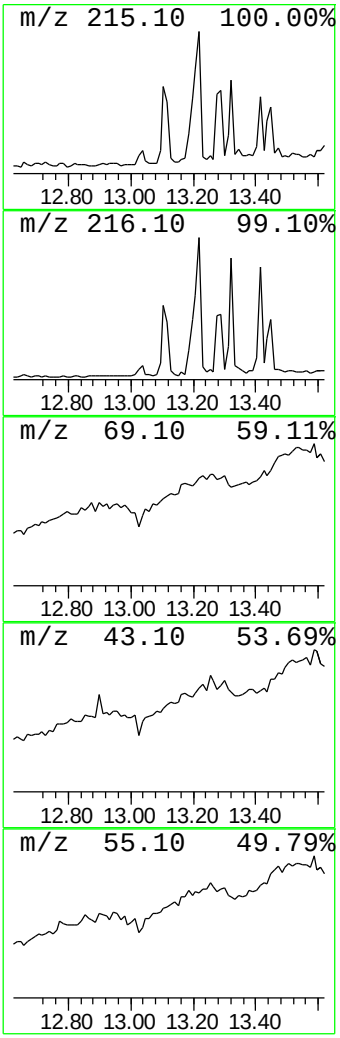
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	6.40 ng	295959	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	60
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	53
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	49
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\Data\BF020617\
Data File : BF092815.D
Acq On : 7 Feb 2017 00:10
Operator : SJ/MA
Sample : I1699-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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
3-Penten-2-one, 4...	4.44	26.3	ng	1141200	1	6.92	868931	20.0
2-Pentanone, 4-hy...	5.12	92.6	ng	4024250	1	6.92	868931	20.0
unknown6.68	6.68	49.0	ng	2130070	1	6.92	868931	20.0
Naphthalene, 2,3-...	9.62	3.0	ng	187917	3	9.96	1234360	20.0
Hexadecane	9.88	3.9	ng	240563	3	9.96	1234360	20.0
Naphthalene, 2,3,...	10.16	2.2	ng	134887	3	9.96	1234360	20.0
3,5-Heptanedione,...	10.87	4.8	ng	364783	4	11.45	1527540	20.0
2-Propenoic acid,...	11.19	2.5	ng	187239	4	11.45	1527540	20.0
Eicosane	11.31	2.3	ng	177778	4	11.45	1527540	20.0
4H-Cyclopenta[def...	12.05	3.0	ng	233090	4	11.45	1527540	20.0
Pyrene, 1-methyl-	13.12	6.4	ng	295959	5	14.09	924562	20.0