LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090450.D
Acq On : 7 Oct 2016 18:19
Operator : UM/SJ
Sample : H5133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

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-BF100516.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	2.554	16	19	28	rVB	84678	175492	2.64%	0.269%
2	4.040	146	149	152	rVB	53879	83464	1.25%	0.128%
3	5.194	247	250	254	rVB	1076099	1609512	24.17%	2.468%
4	5.606	283	286	288	rBV	5698816	5706206	85.68%	8.750%
5	6.623	372	375	377	rBV	5136693	5730862	86.05%	8.788%
6	6.760	384	387	389	rBV	6495922	6391584	95.97%	9.801%
7	6.989	404	407	409	rVB	1624066	1521423	22.84%	2.333%
8	7.149	418	421	423	rBV	4269945	4898904	73.56%	7.512%
9	7.549	453	456	458	rBV	3639453	3687069	55.36%	5.654%
10	7.640	461	464	466	rBV	68045	91600	1.38%	0.140%
11	8.280	517	520	522	rBV	1675501	2098921	31.52%	3.219%
12	9.355	611	614	617	rBV	6889260	6659939	100.00%	10.213%
13	9.755	646	649	650	rBV	1779362	2206052	33.12%	3.383%
14	9.960	663	667	670	rBV2	41075	81900	1.23%	0.126%
15	10.040	671	674	676	rVB	2546020	2449010	36.77%	3.755%
16	10.235	689	691	694	rVB2	54629	68169	1.02%	0.105%
17	10.463	708	711	713	rBV	126905	168699	2.53%	0.259%
18	10.692	728	731	732	rBV	68141	97114	1.46%	0.149%
19	10.829	740	743	745	rBV	4384864	4084484	61.33%	6.263%
20	10.943	749	753	760	rVV	255336	332296	4.99%	0.510%
21	11.389	790	792	794	rBV	138095	131826	1.98%	0.202%
22	11.526	802	804	806	rBV	2679428	2256235	33.88%	3.460%
23	11.755	821	824	827	rBV	49931	73233	1.10%	0.112%
24	12.052	848	850	856	rBV	1038404	1008659	15.15%	1.547%
25	12.738	908	910	912	rBV	161523	201032	3.02%	0.308%
26	12.795	912	915	917	rVV	88369	191319	2.87%	0.293%
27	12.841	917	919	926	rVB	612304	670163	10.06%	1.028%
28	12.966	928	930	933	rBV	97219	128795	1.93%	0.198%
29	13.115	941	943	946	rVB	4364399	5675432	85.22%	8.703%
30	13.698	990	994	997	rBV4	55422	159790	2.40%	0.245%
31	14.018	1020	1022	1026	rBV	470471	556384	8.35%	0.853%
32	14.178	1030	1036	1037	rVV2	1132423	1750135	26.28%	2.684%
33	14.201	1037	1038	1042	rVB2	72395	145113	2.18%	0.223%
34	14.612	1071	1074	1076	rBV	159791	281221	4.22%	0.431%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090450.D
Acq On : 7 Oct 2016 18:19
Operator : UM/SJ
Sample : H5133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

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-BF100516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.658	1076	1078	1079	rBV	69797	110918	1.67%	0.170%
36	14.772	1085	1088	1091	rBV3	81691	199930	3.00%	0.307%
37	14.967	1103	1105	1109	rBV2	56274	131619	1.98%	0.202%
38	15.241	1126	1129	1133	rVB2	67320	196106	2.94%	0.301%
39	15.538	1153	1155	1159	rBV3	57539	166885	2.51%	0.256%
40	15.675	1164	1167	1173	rVB	1004861	1450995	21.79%	2.225%
41	16.224	1212	1215	1222	rBV3	139243	480589	7.22%	0.737%
42	18.030	1367	1373	1386	rVB4	159721	1103230	16.57%	1.692%

Sum of corrected areas: 65212309

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
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Operator : UM/SJ
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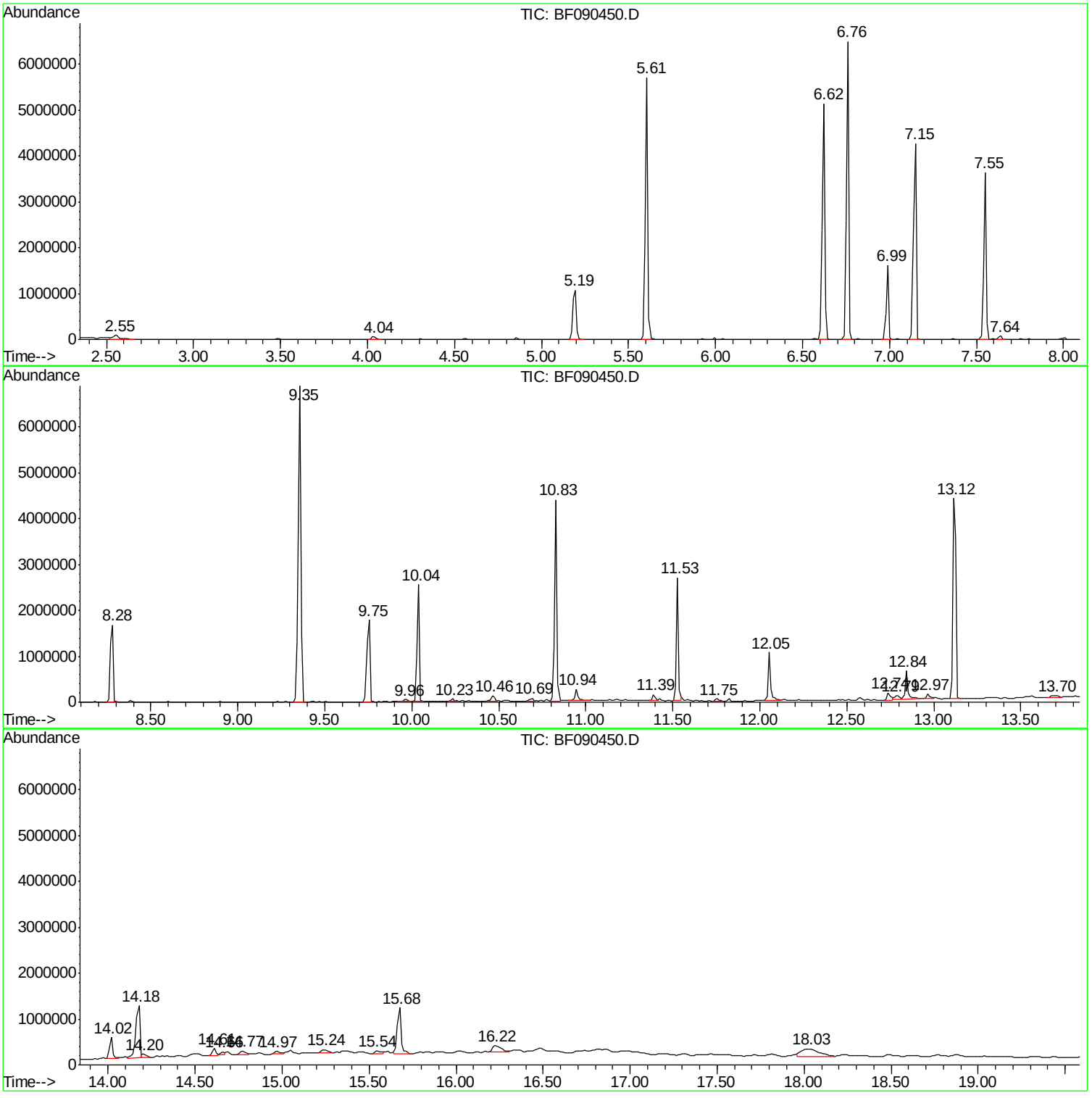
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090450.D
Acq On : 7 Oct 2016 18:19
Operator : UM/SJ
Sample : H5133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

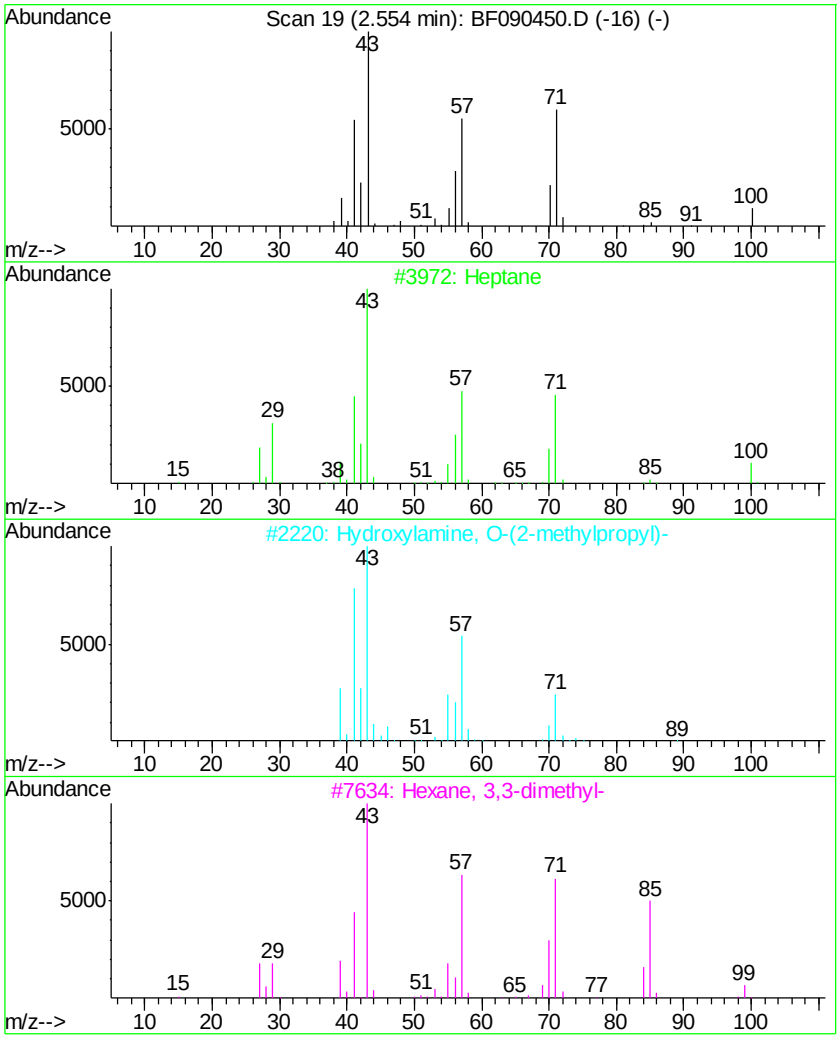
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

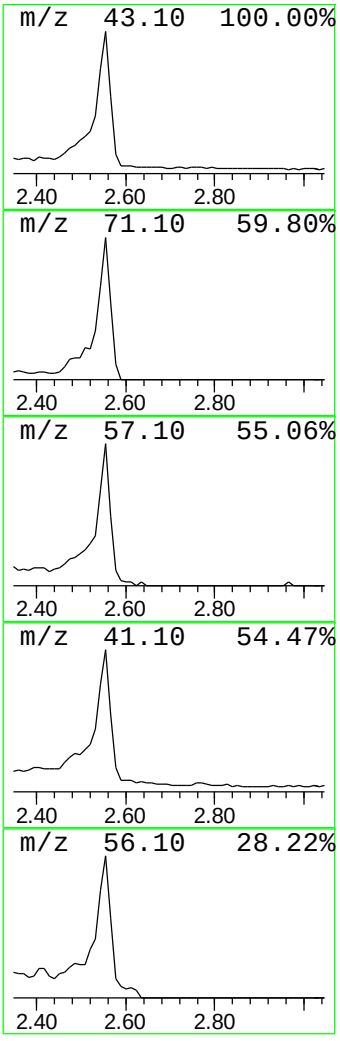
****

Peak Number 1 Heptane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	2.31 ng	175492	1,4-Dichlorobenzene-d4	6.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Hydroxylamine, O-(2-methylpropyl)-	89	C4H11NO	005618-62-2	40
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	40
4	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	38
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	37





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Acq On : 7 Oct 2016 18:19
Operator : UM/SJ
Sample : H5133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

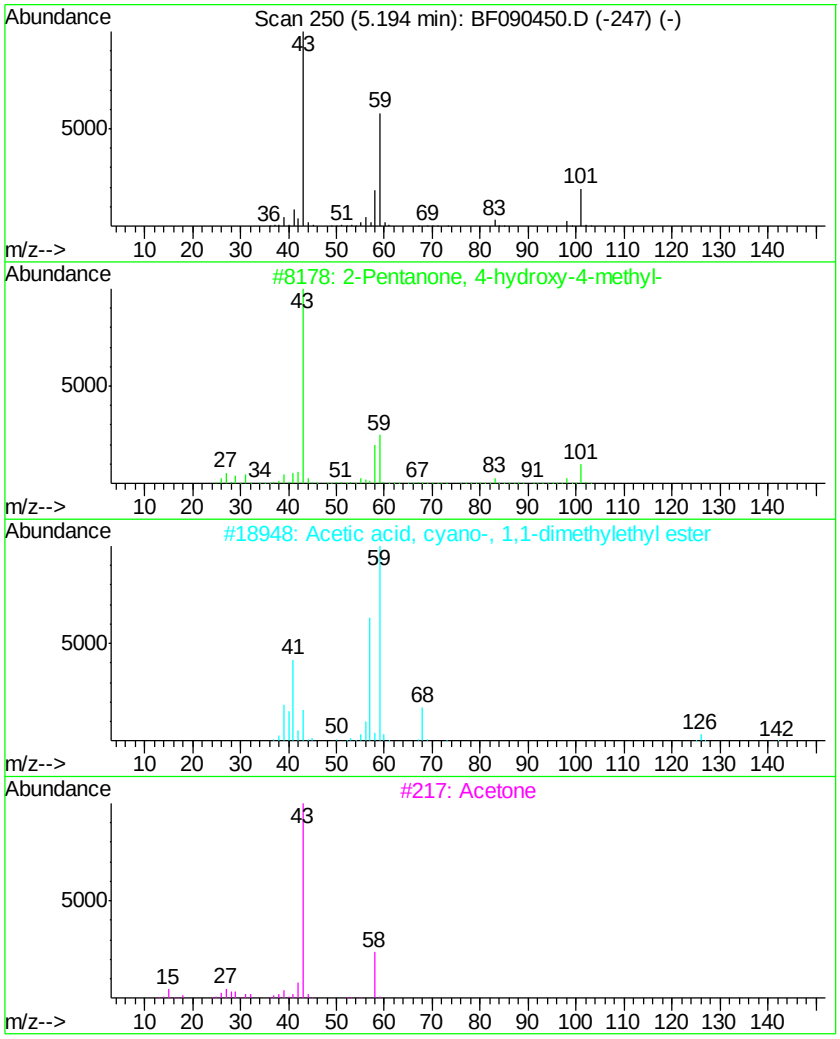
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

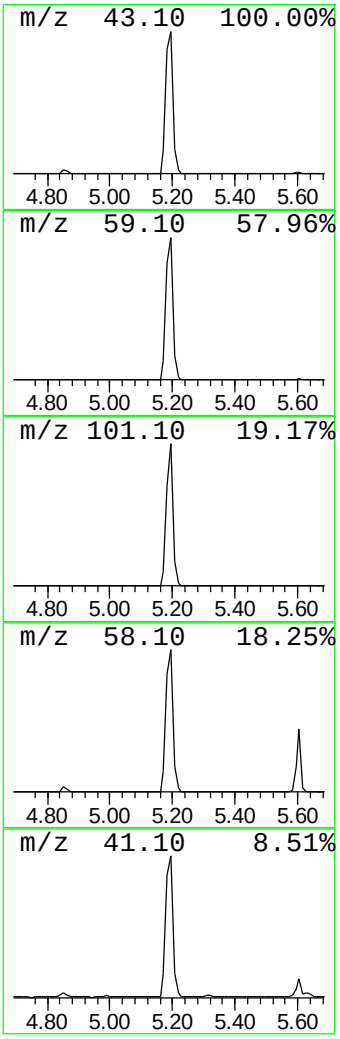
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	21.16 ng	1609510	1,4-Dichlorobenzene-d4	6.99

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	Acetone	58	C3H6O	000067-64-1	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090450.D
Acq On : 7 Oct 2016 18:19
Operator : UM/SJ
Sample : H5133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

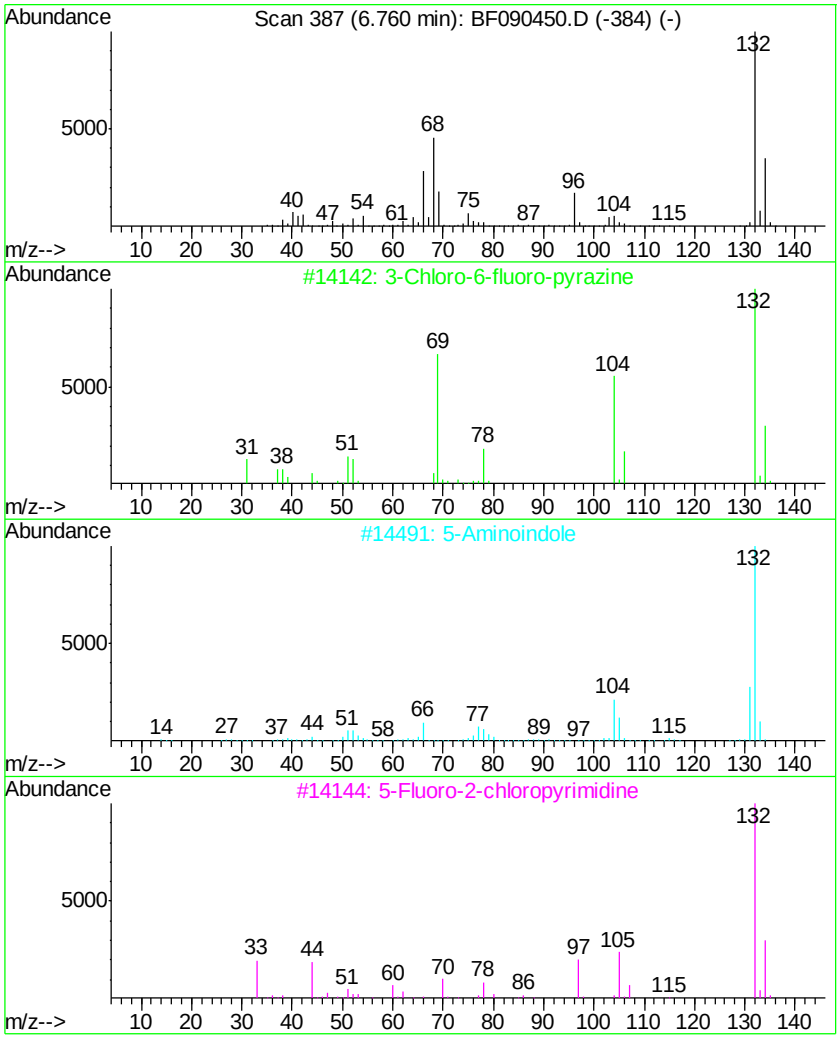
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

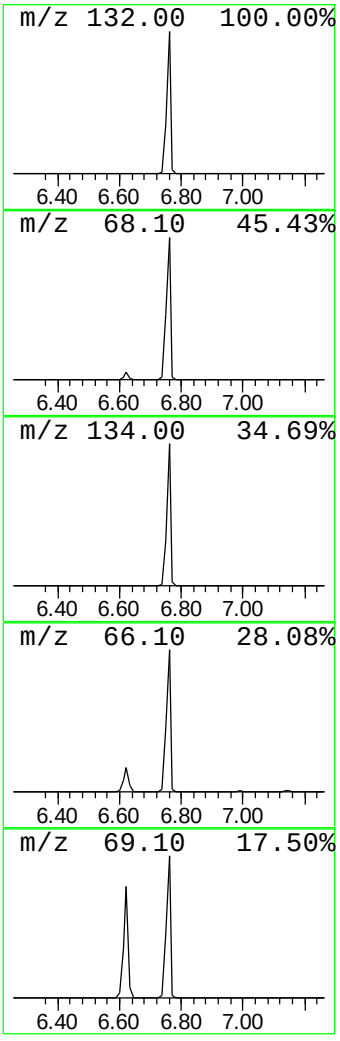
****

Peak Number 3 unknown6.76 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	84.02 ng	6391580	1,4-Dichlorobenzene-d4	6.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090450.D
Acq On : 7 Oct 2016 18:19
Operator : UM/SJ
Sample : H5133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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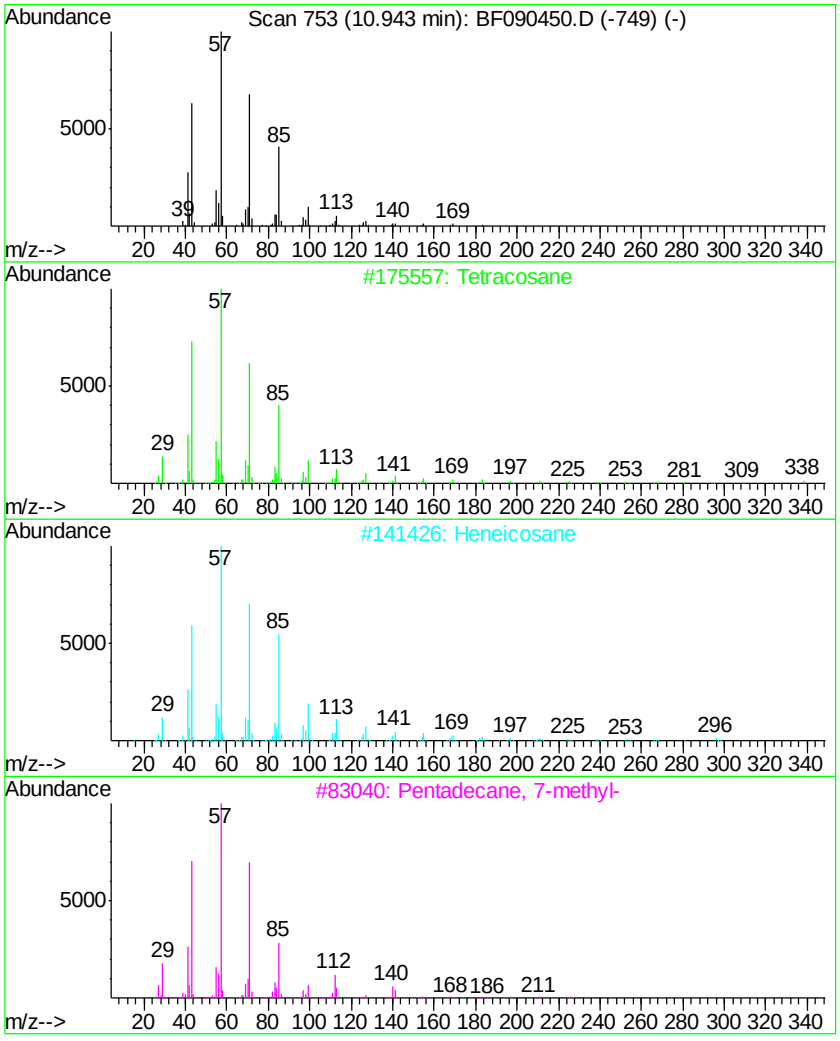
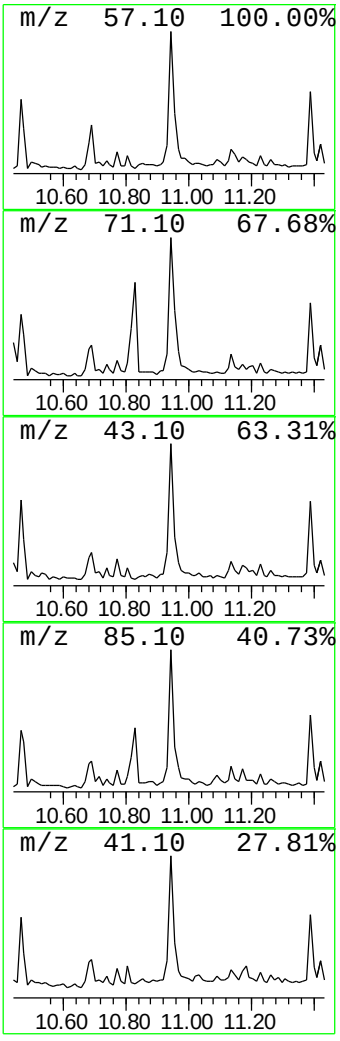
Peak Number 5 Tetracosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	2.95 ng	332296	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	90
4	Heptacosane	380	C27H56	000593-49-7	86
5	Hexadecane	226	C16H34	000544-76-3	83





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090450.D
Acq On : 7 Oct 2016 18:19
Operator : UM/SJ
Sample : H5133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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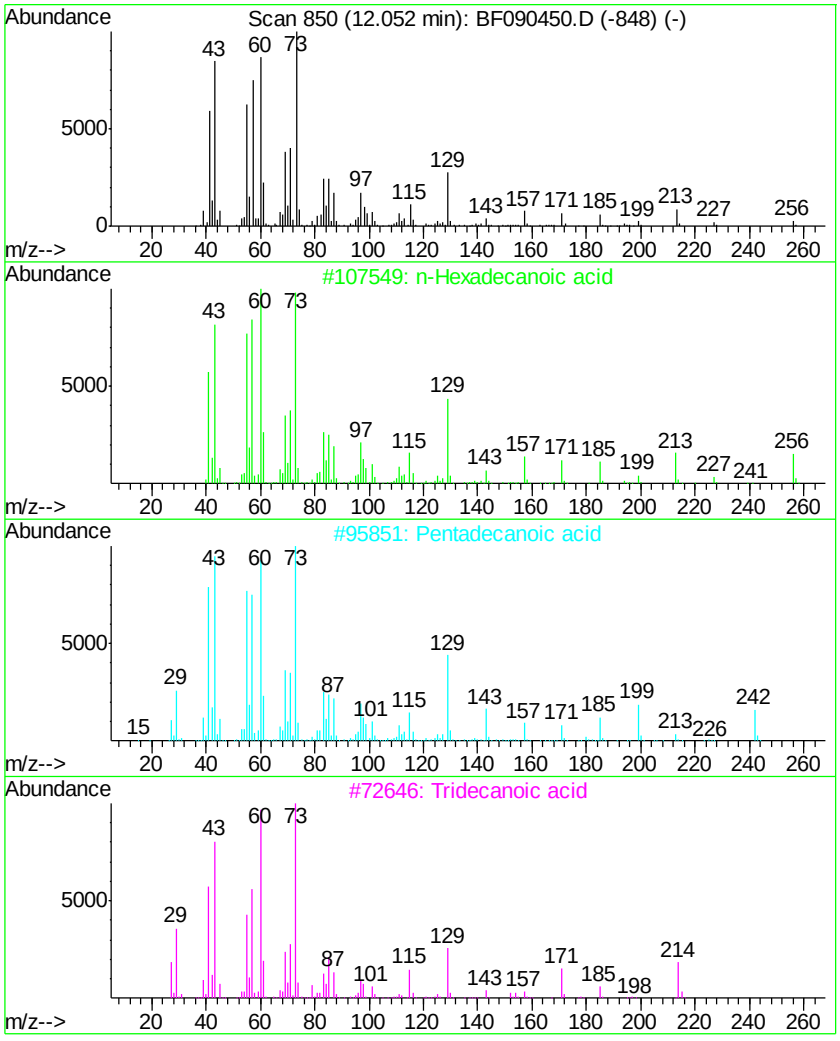
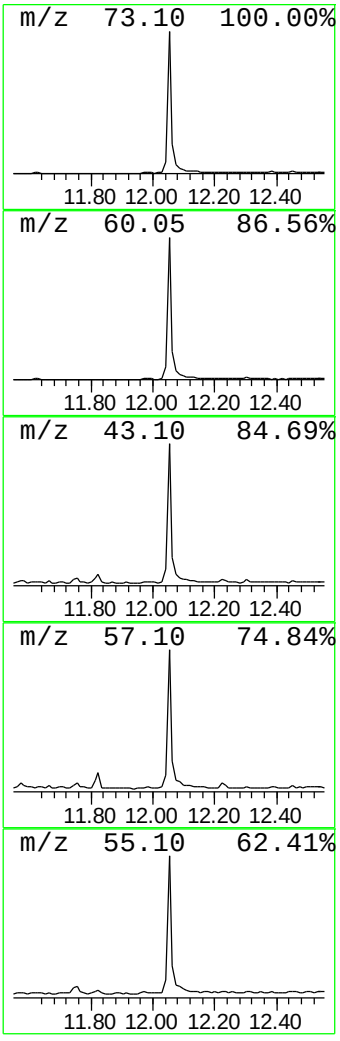
Peak Number 6 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	8.94 ng	1008660	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
3	Tridecanoic acid	214	C13H26O2	000638-53-9	86
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Dodecanoic acid	200	C12H24O2	000143-07-7	72





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Operator : UM/SJ
Sample : H5133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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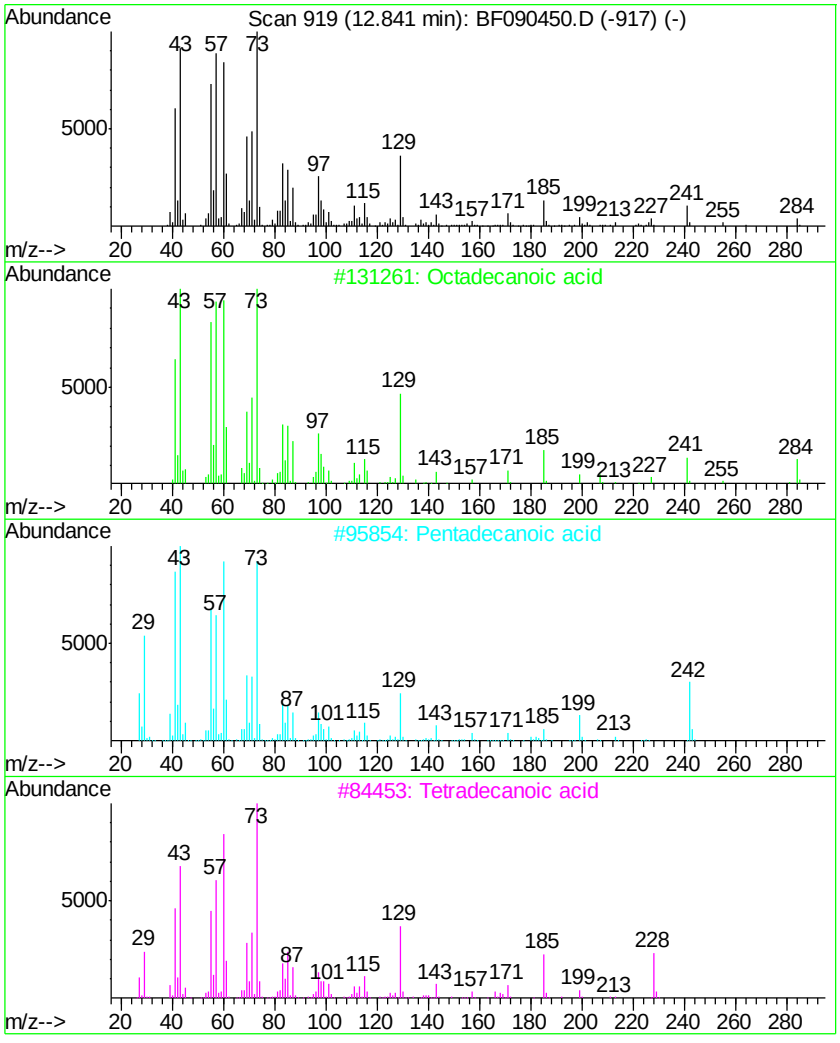
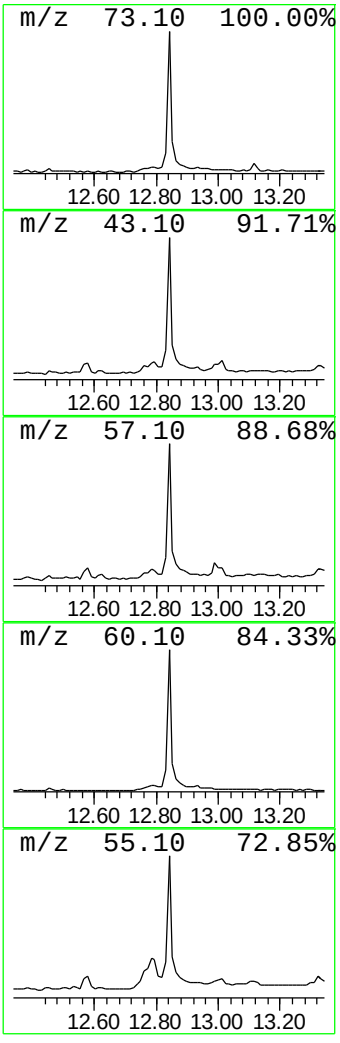
Peak Number 7 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	5.94 ng	670163	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	89
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
5	Hexadecane	226	C16H34	000544-76-3	56





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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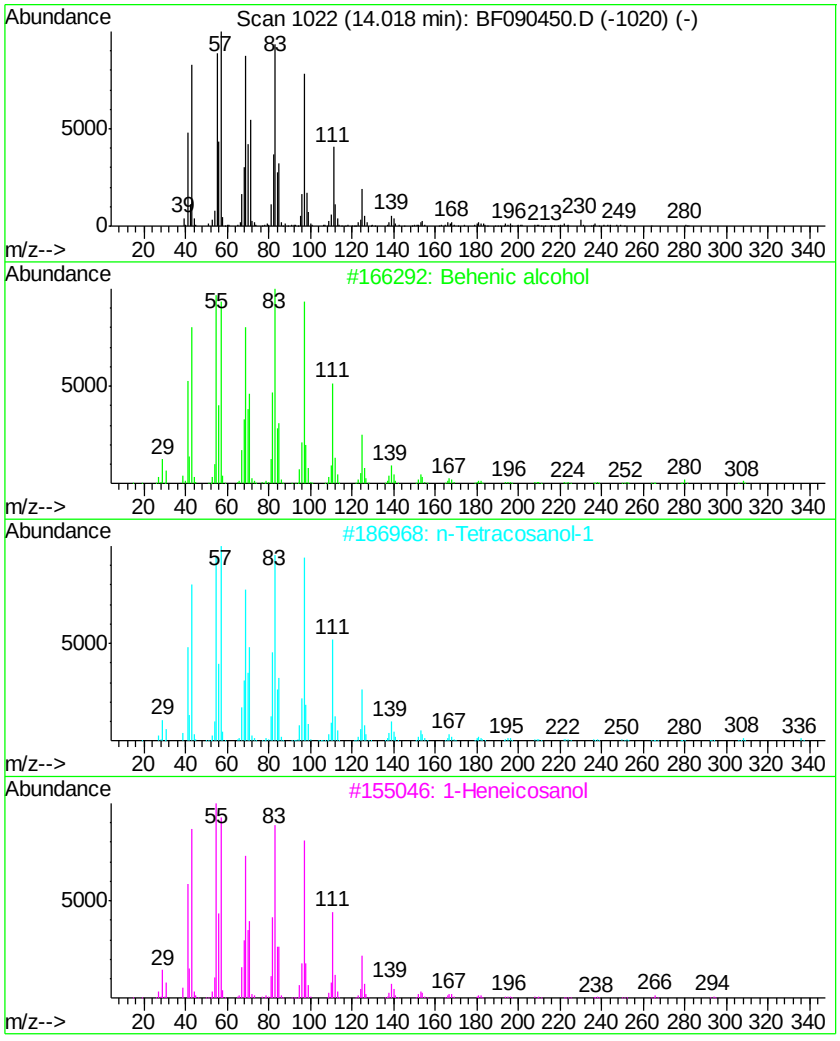
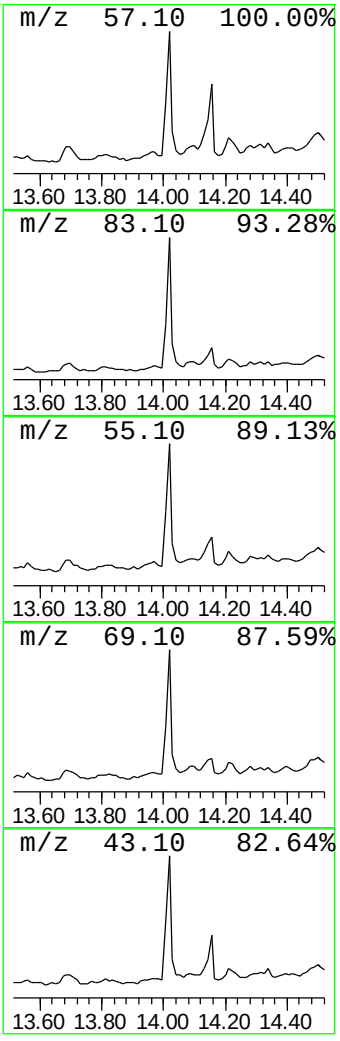
Peak Number 8 Behenic alcohol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	6.36 ng	556384	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	94
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3	1-Heneicosanol	312	C21H44O	015594-90-8	94
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	91
5	1-Nonadecene	266	C19H38	018435-45-5	91





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Acq On : 7 Oct 2016 18:19
Operator : UM/SJ
Sample : H5133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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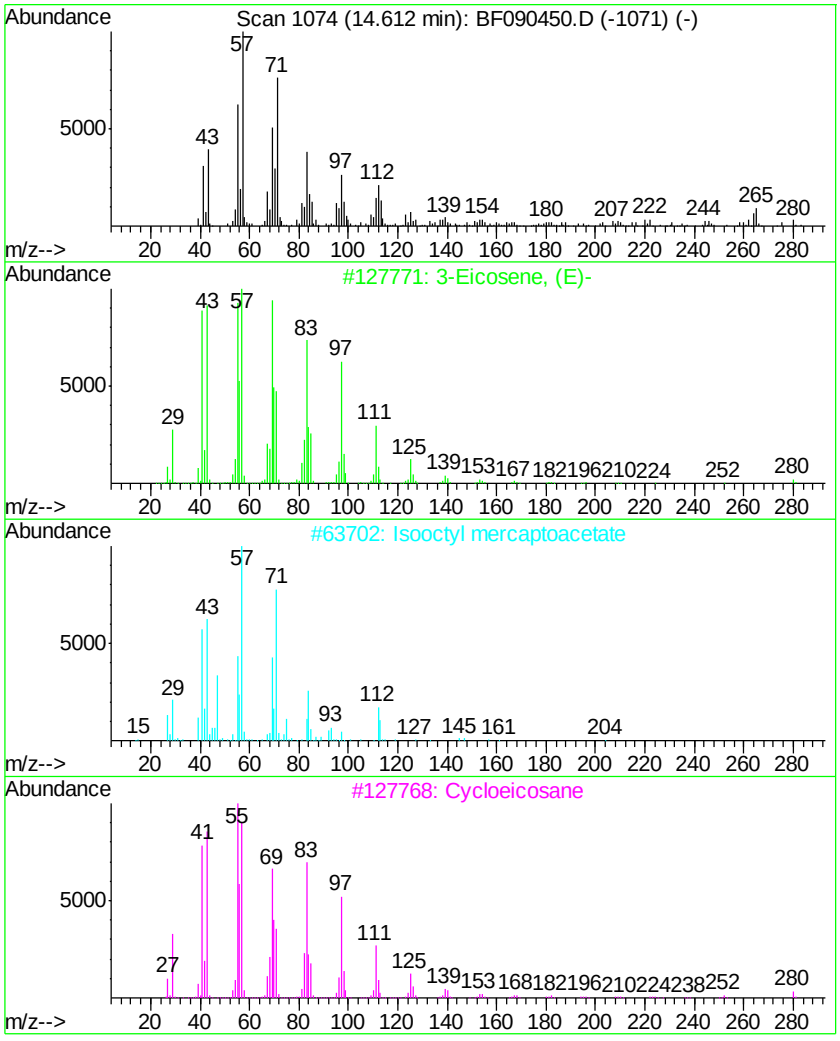
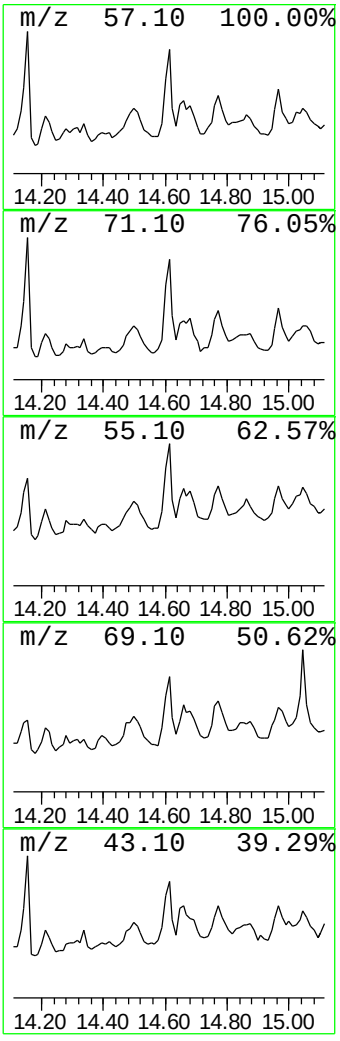
Peak Number 9 3-Eicosene, (E)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	3.21 ng	281221	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	60
2	Isooctyl mercaptoacetate	204	C10H20O2S	025103-09-7	49
3	Cycloeicosane	280	C20H40	000296-56-0	42
4	9-Eicosene, (E)-	280	C20H40	074685-29-3	41
5	5-Octadecene, (E)-	252	C18H36	007206-21-5	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090450.D
Acq On : 7 Oct 2016 18:19
Operator : UM/SJ
Sample : H5133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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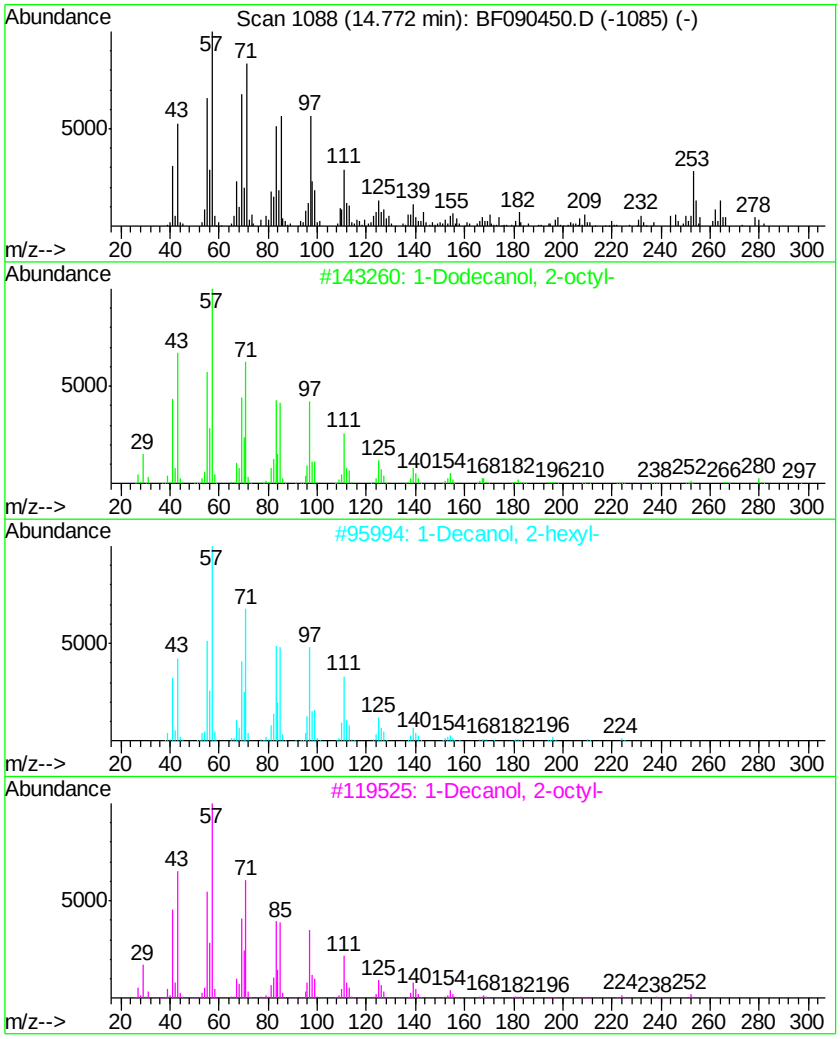
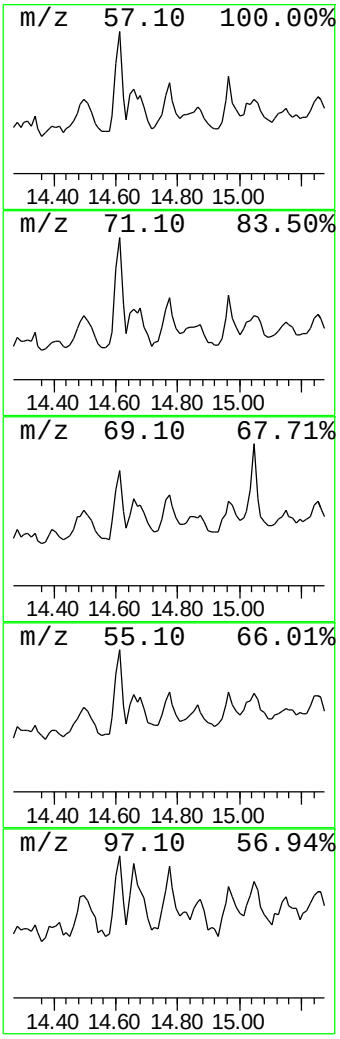
Peak Number 10 1-Dodecanol, 2-octyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	2.28 ng	199930	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	81
2	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	62
3	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	62
4	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	62
5	9-Nonadecene	266	C19H38	031035-07-1	58





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Data File : BF090450.D
Acq On : 7 Oct 2016 18:19
Operator : UM/SJ
Sample : H5133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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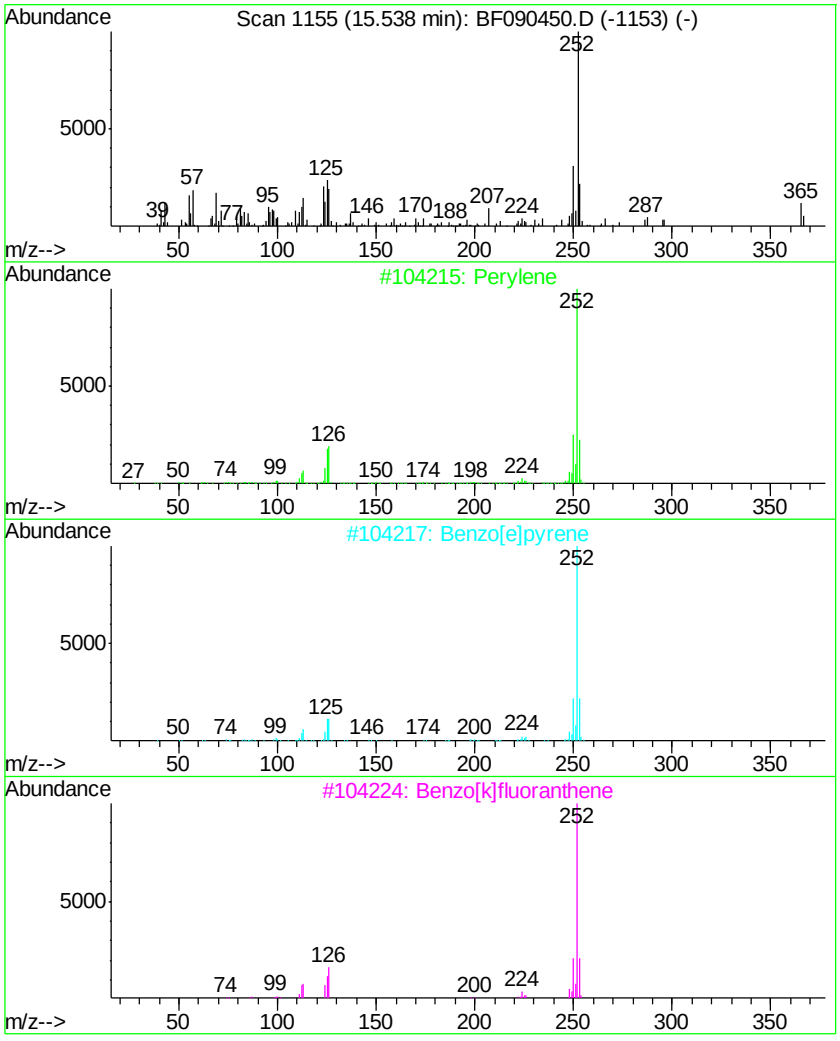
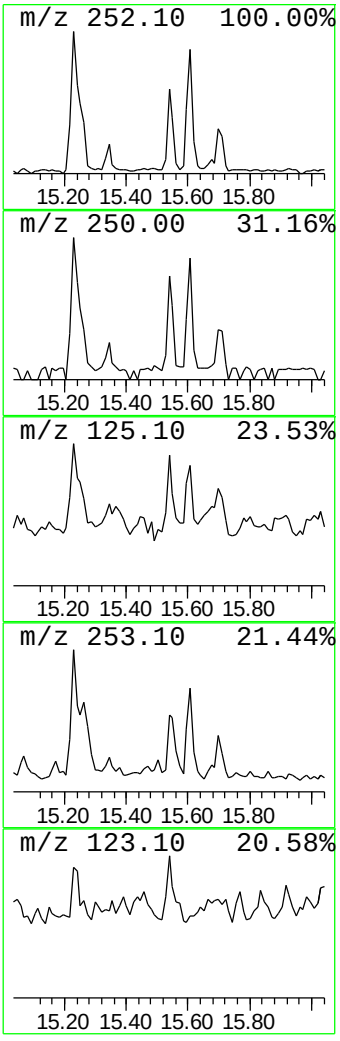
Peak Number 12 Perylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	2.30 ng	166885	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	92
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	92
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090450.D
Acq On : 7 Oct 2016 18:19
Operator : UM/SJ
Sample : H5133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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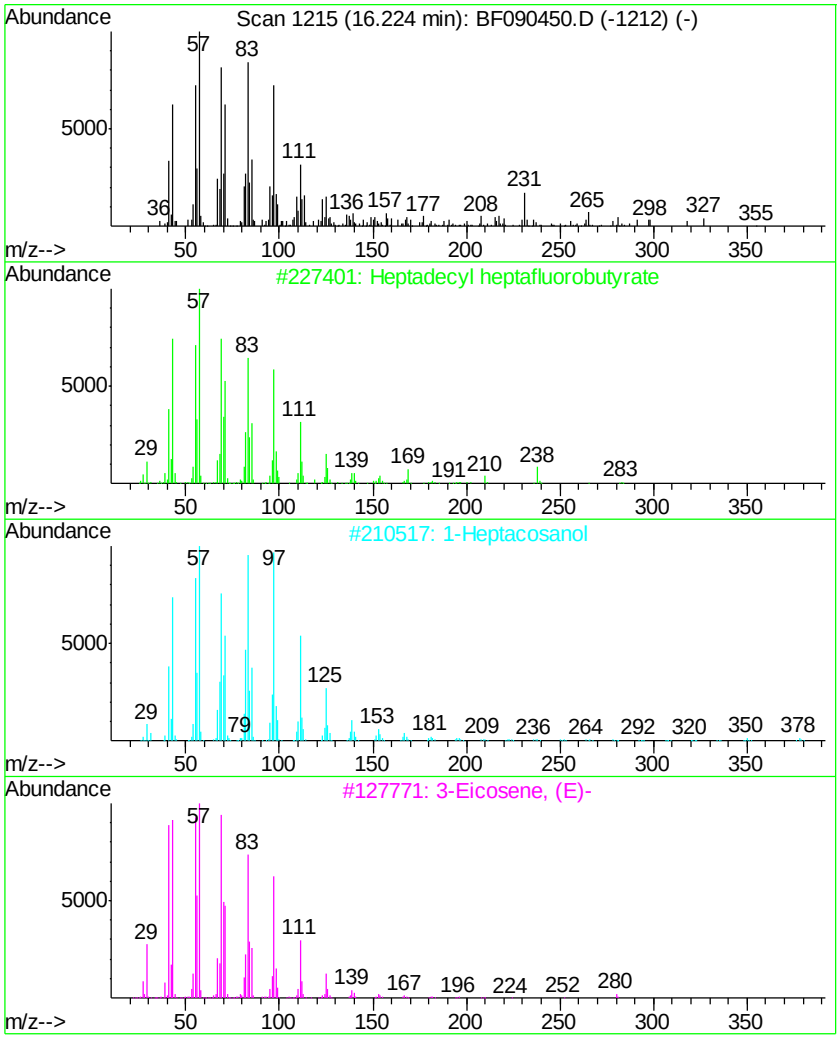
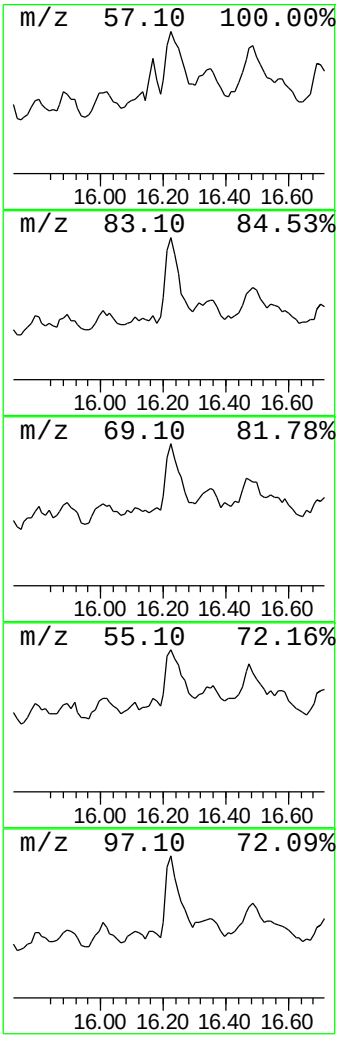
Peak Number 13 Heptadecyl heptafluorobutyrate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	6.62 ng	480589	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90
2	1-Heptacosanol	396	C27H56O	002004-39-9	87
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	87
4	Nonadecyl heptafluorobutyrate	480	C23H39F7O2	1000351-83-9	76
5	17-Pentatriacontene	491	C35H70	006971-40-0	70





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090450.D
Acq On : 7 Oct 2016 18:19
Operator : UM/SJ
Sample : H5133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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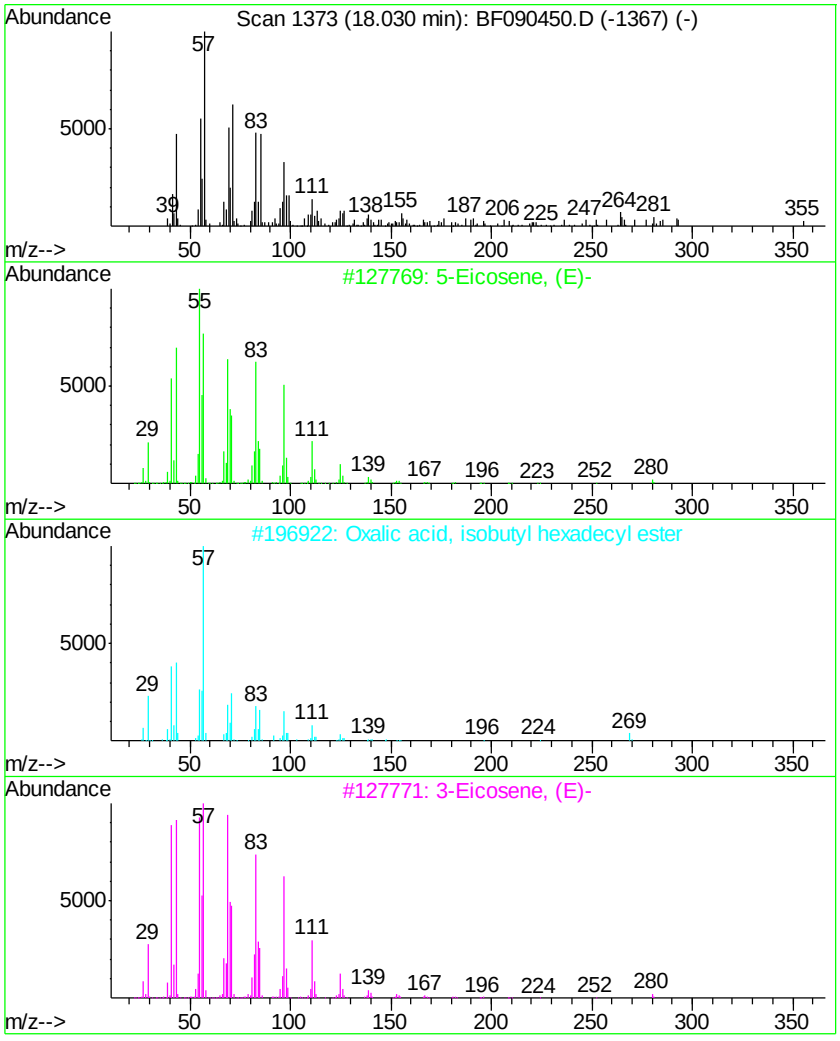
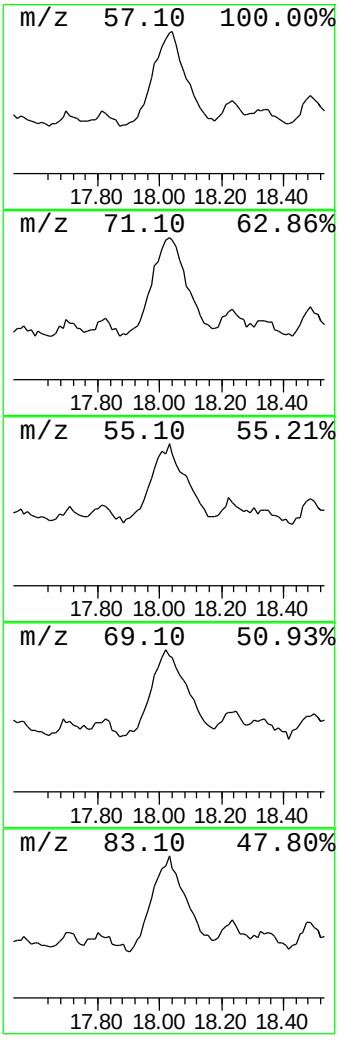
Peak Number 14 5-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	15.21 ng	1103230	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	83
2	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	72
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	70
4	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	58
5	Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1000309-70-5	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090450.D
Acq On : 7 Oct 2016 18:19
Operator : UM/SJ
Sample : H5133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-EF-01-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Heptane	2.55	2.3	ng	175492	1	6.99	1521420	20.0
2-Pentanone, 4-hy...	5.19	21.2	ng	1609510	1	6.99	1521420	20.0
unknown6.76	6.76	84.0	ng	6391580	1	6.99	1521420	20.0
Tetracosane	10.94	3.0	ng	332296	4	11.53	2256240	20.0
n-Hexadecanoic acid	12.05	8.9	ng	1008660	4	11.53	2256240	20.0
Octadecanoic acid	12.84	5.9	ng	670163	4	11.53	2256240	20.0
Behenic alcohol	14.02	6.4	ng	556384	5	14.18	1750140	20.0
3-Eicosene, (E)-	14.61	3.2	ng	281221	5	14.18	1750140	20.0
1-Dodecanol, 2-oc...	14.77	2.3	ng	199930	5	14.18	1750140	20.0
Perylene	15.54	2.3	ng	166885	6	15.68	1451000	20.0
Heptadecyl heptaf...	16.22	6.6	ng	480589	6	15.68	1451000	20.0
5-Eicosene, (E)-	18.03	15.2	ng	1103230	6	15.68	1451000	20.0