LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089383.D
Acq On : 29 Jul 2016 1:08
Operator : UM/SJ
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

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-BF072716.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	1.678	7	8	47	rVB	1074279	2192092	100.00%	14.406%
2	4.627	263	266	275	rBV	139592	244931	11.17%	1.610%
3	5.096	305	307	325	rBV	718841	1143674	52.17%	7.516%
4	6.181	400	402	410	rBV	731472	1171831	53.46%	7.701%
5	6.296	410	412	414	rBV	1107462	1250004	57.02%	8.215%
6	6.524	430	432	443	rVB	250799	265905	12.13%	1.747%
7	6.673	443	445	448	rBV	691529	939796	42.87%	6.176%
8	7.096	480	482	492	rBV	630724	744571	33.97%	4.893%
9	7.233	492	494	500	rVB	16349	26535	1.21%	0.174%
10	7.805	542	544	547	rBV	241881	347175	15.84%	2.282%
11	8.890	636	639	641	rBV	1561962	1442179	65.79%	9.477%
12	9.290	672	674	677	rBV	435899	377901	17.24%	2.483%
13	9.553	695	697	699	rBV	456286	393334	17.94%	2.585%
14	10.342	764	766	768	rBV	585583	655648	29.91%	4.309%
15	10.479	776	778	782	rVB	25639	33521	1.53%	0.220%
16	10.925	814	817	818	rBV	26199	28431	1.30%	0.187%
17	11.028	823	826	830	rBV2	303960	363997	16.61%	2.392%
18	11.108	830	833	837	rVB2	15699	26858	1.23%	0.177%
19	11.279	844	848	851	rBV	29523	40839	1.86%	0.268%
20	11.348	851	854	856	rVB	28899	26230	1.20%	0.172%
21	11.588	873	875	878	rBV	28126	46664	2.13%	0.307%
22	12.091	915	919	922	rBV2	17387	35361	1.61%	0.232%
23	12.228	928	931	934	rBV	95893	94877	4.33%	0.623%
24	12.445	948	950	952	rBV	74845	98954	4.51%	0.650%
25	12.502	952	955	960	rVB	25735	47616	2.17%	0.313%
26	12.605	962	964	967	rBV	851962	879294	40.11%	5.778%
27	12.856	982	986	989	rBV3	30535	68267	3.11%	0.449%
28	13.394	1031	1033	1036	rBV3	10441	24910	1.14%	0.164%
29	13.519	1041	1044	1052	rBV3	75894	118185	5.39%	0.777%
30	13.645	1052	1055	1061	rBV2	291529	431584	19.69%	2.836%
31	14.148	1097	1099	1104	rBV	46651	78553	3.58%	0.516%
32	14.434	1121	1124	1128	rBV5	15180	45380	2.07%	0.298%
33	14.502	1128	1130	1131	rVV	29518	36163	1.65%	0.238%
34	14.559	1133	1135	1137	rVV	60299	63925	2.92%	0.420%

LSC Area Percent Report

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Data File : BF089383.D
Acq On : 29 Jul 2016 1:08
Operator : UM/SJ
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

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-BF072716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.639	1139	1142	1145	rVV	70271	162835	7.43%	1.070%
36	14.742	1147	1151	1157	rVV2	82672	236850	10.80%	1.556%
37	14.880	1161	1163	1166	rVV	43094	61140	2.79%	0.402%
38	14.937	1166	1168	1170	rVV	42108	73451	3.35%	0.483%
39	14.982	1170	1172	1179	rVB	216972	309934	14.14%	2.037%
40	15.188	1188	1190	1193	rVB2	45558	61173	2.79%	0.402%
41	15.245	1193	1195	1200	rVB6	14810	36606	1.67%	0.241%
42	15.382	1204	1207	1209	rBV	56248	104151	4.75%	0.684%
43	15.428	1209	1211	1214	rVB2	23893	40324	1.84%	0.265%
44	15.874	1248	1250	1257	rVB5	13741	29792	1.36%	0.196%
45	16.000	1258	1261	1266	rVV4	26478	48196	2.20%	0.317%
46	16.171	1273	1276	1279	rBV	22241	43610	1.99%	0.287%
47	16.240	1279	1282	1283	rBV	16698	25971	1.18%	0.171%
48	16.320	1287	1289	1292	rVB3	12027	23433	1.07%	0.154%
49	16.525	1304	1307	1311	rBV2	17729	39269	1.79%	0.258%
50	16.617	1312	1315	1322	rVB4	18107	48874	2.23%	0.321%
51	17.108	1356	1358	1366	rVB6	8952	25915	1.18%	0.170%
52	17.405	1381	1384	1389	rBV4	13516	32954	1.50%	0.217%
53	18.206	1452	1454	1461	rVB6	8125	27292	1.25%	0.179%

Sum of corrected areas: 15216955

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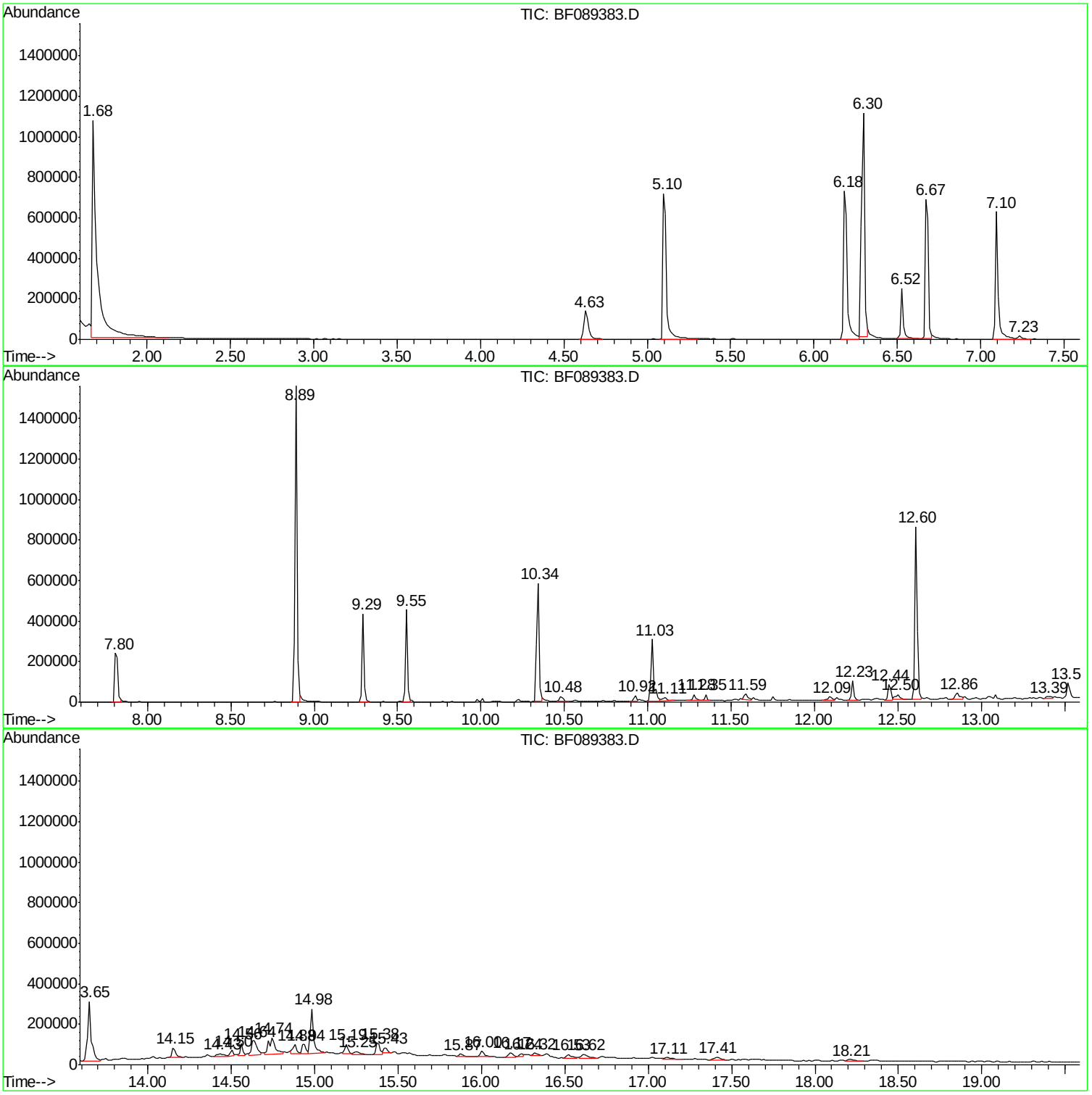
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089383.D
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Operator : UM/SJ
Sample : H4216-01
Misc :
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Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

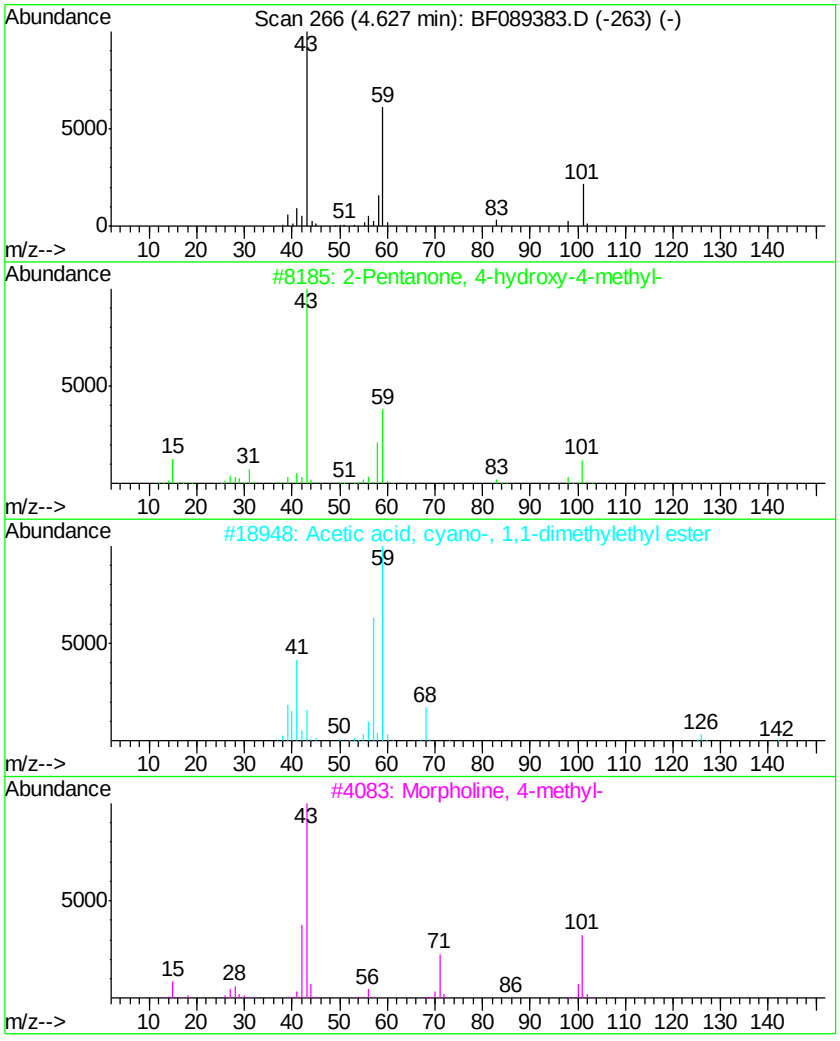
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

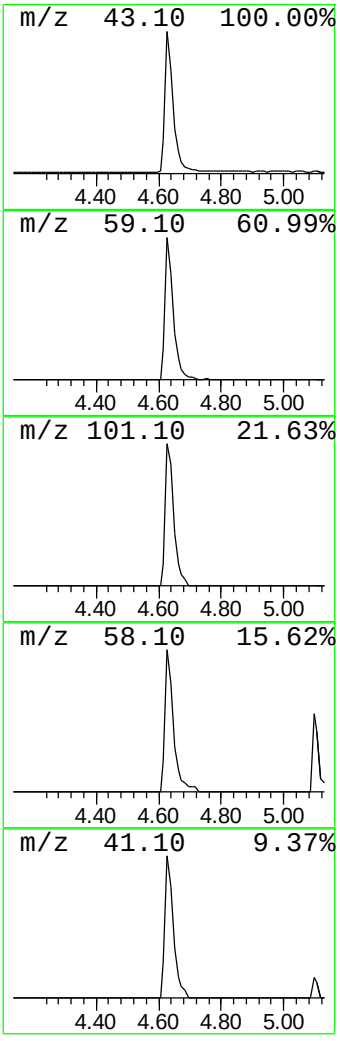
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	18.42 ng	244931	1,4-Dichlorobenzene-d4	6.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





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Acq On : 29 Jul 2016 1:08
Operator : UM/SJ
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

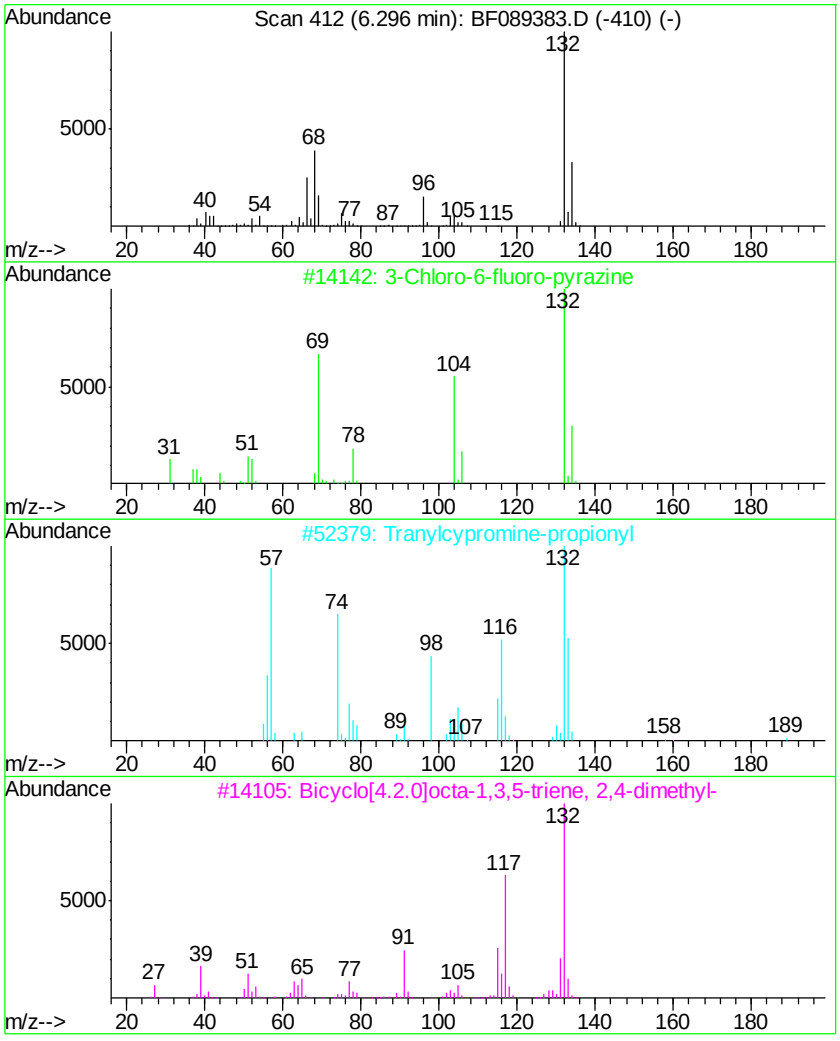
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

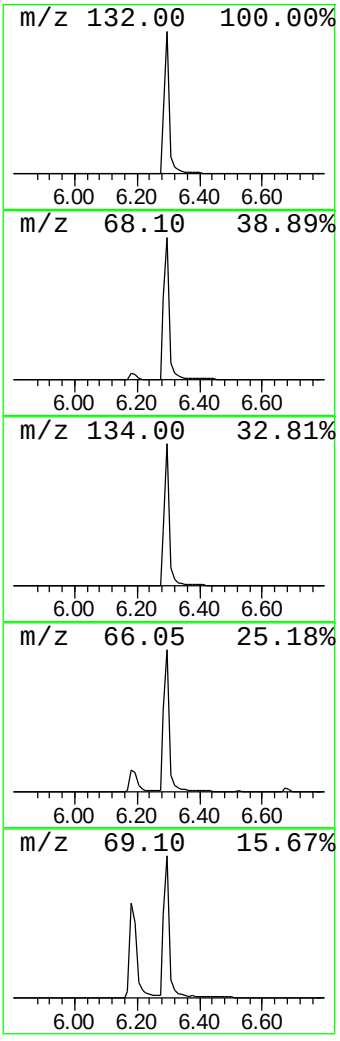
****

Peak Number 3 unknown6.30 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	94.02 ng	1250000	1,4-Dichlorobenzene-d4	6.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
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	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089383.D
Acq On : 29 Jul 2016 1:08
Operator : UM/SJ
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

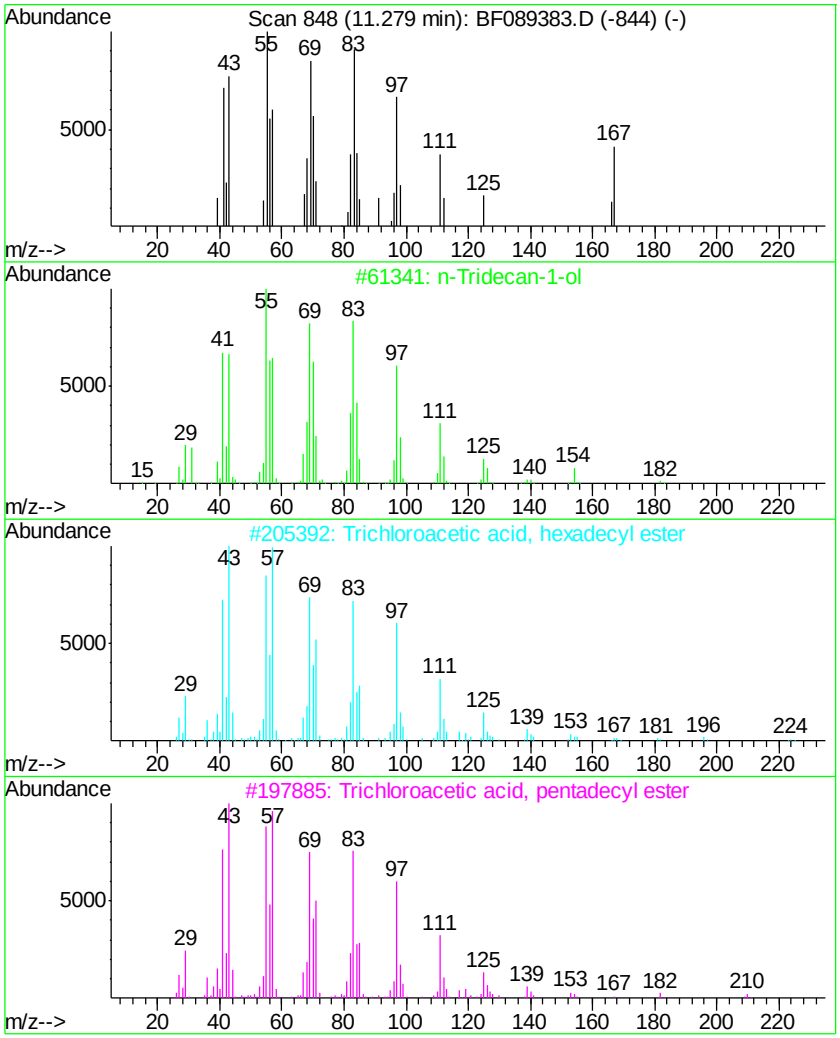
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

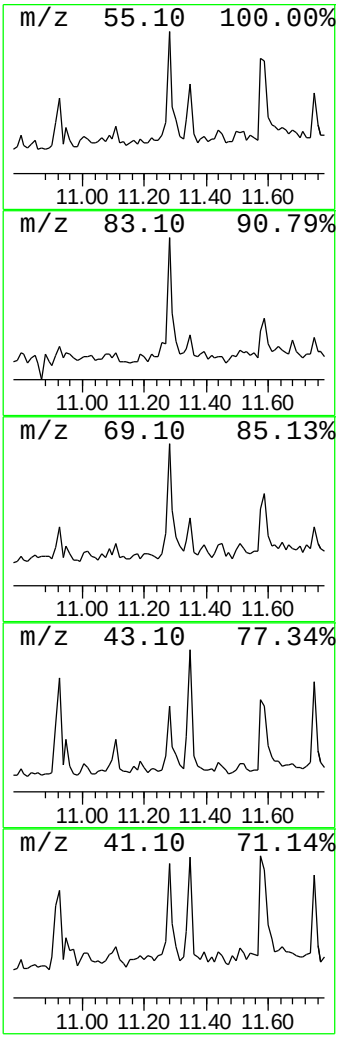
****

Peak Number 5 n-Tridecan-1-ol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	2.24 ng	40839	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tridecan-1-ol	200	C13H28O	000112-70-9	87
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	83
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	83
4	9-Eicosene, (E)-	280	C20H40	074685-29-3	80
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089383.D
Acq On : 29 Jul 2016 1:08
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Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

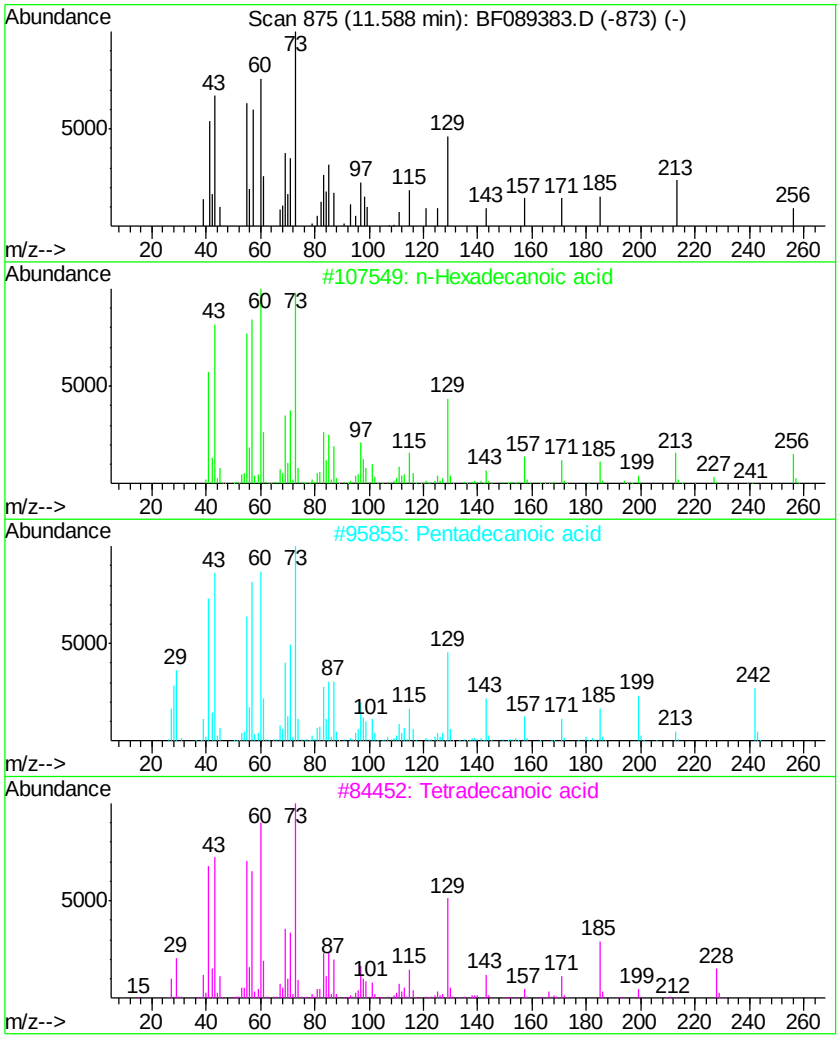
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

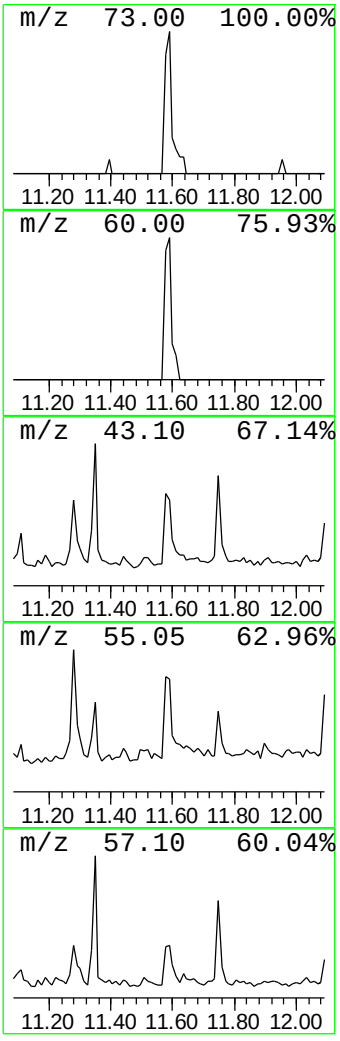
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	2.56 ng	46664	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
4	Tridecanoic acid	214	C13H26O2	000638-53-9	59
5	Dodecanoic acid	200	C12H24O2	000143-07-7	59





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Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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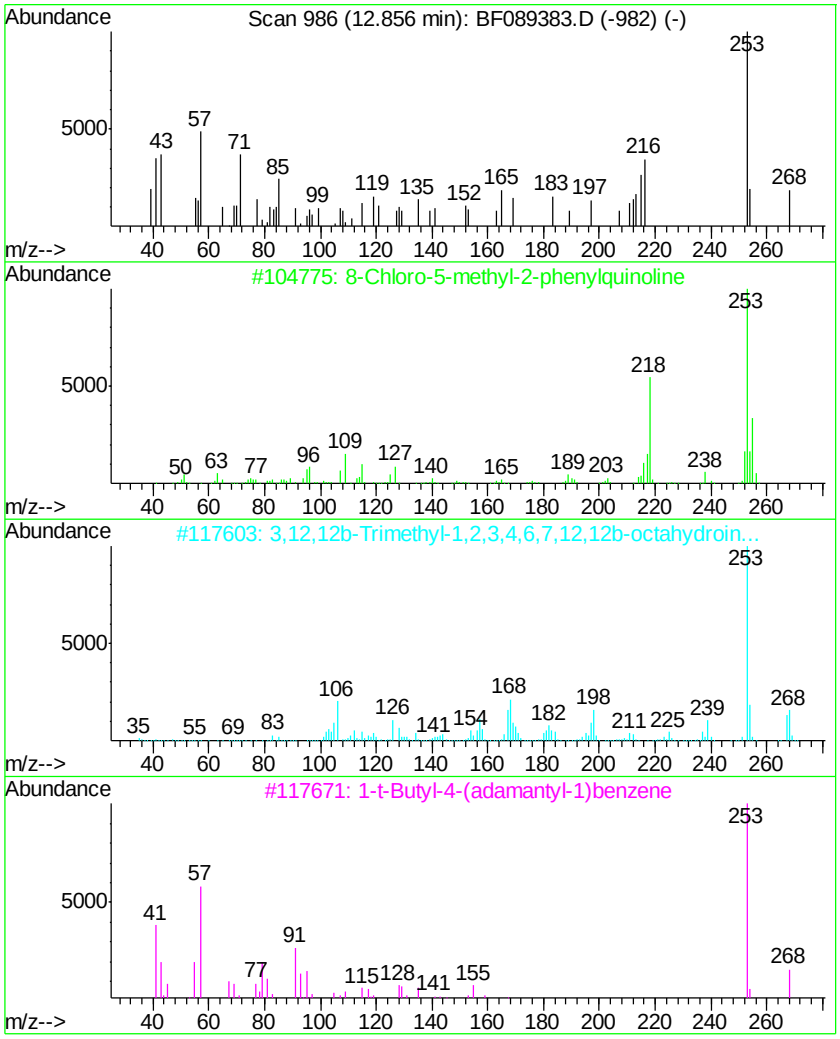
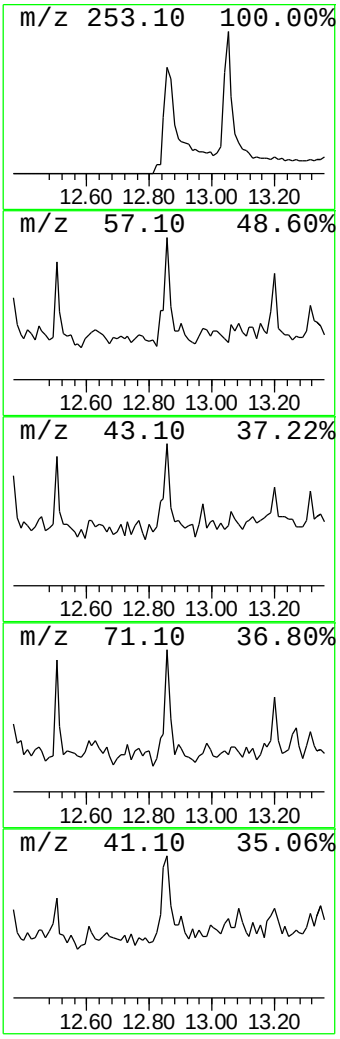
****

Peak Number 7 unknown12.86 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	3.16 ng	68267	Chrysene-d12	13.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Chloro-5-methyl-2-phenylquinoline	253	C16H12ClN	025413-16-5	43
2	3,12,12b-Trimethyl-1,2,3,4,6,7,1...	268	C18H24N2	082605-35-4	43
3	1-t-Butyl-4-(adamantyl-1)benzene	268	C20H28	059974-45-7	38
4	Indolo[2,3-a]quinolizin-4(12H)-o...	268	C17H20N2O	020156-09-6	38
5	Octadecanoic acid, 2-oxo-, methy...	312	C19H36O3	002380-18-9	37





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Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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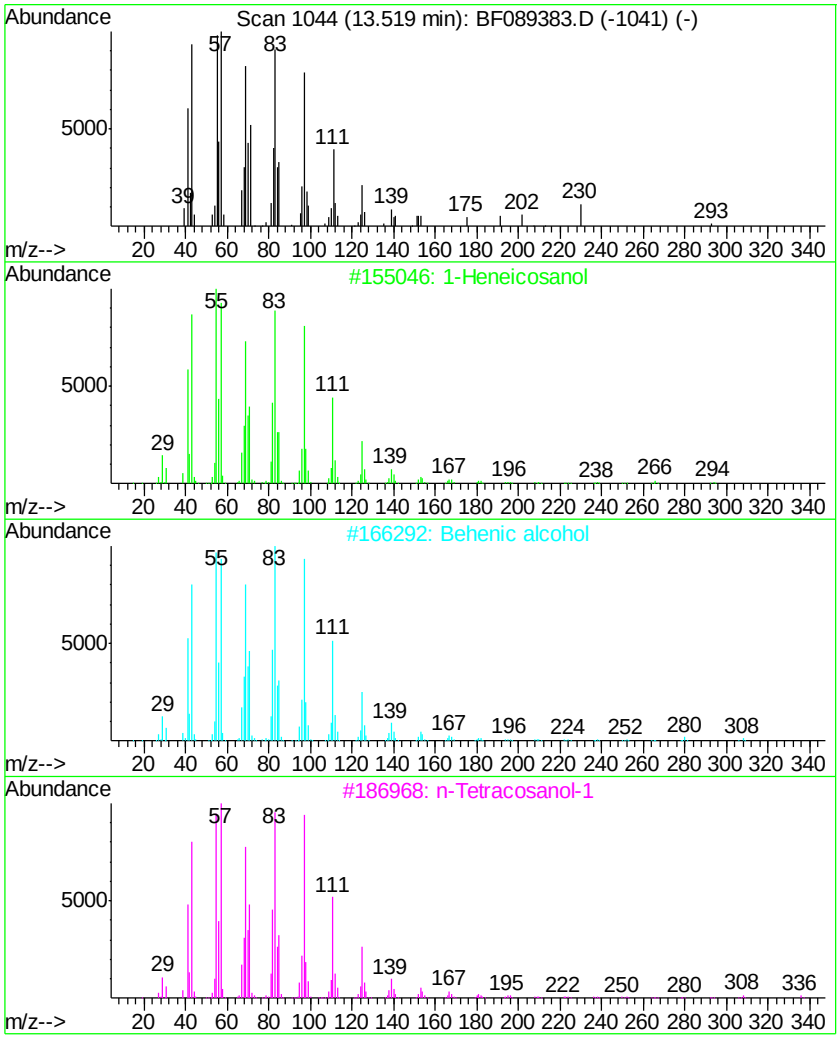
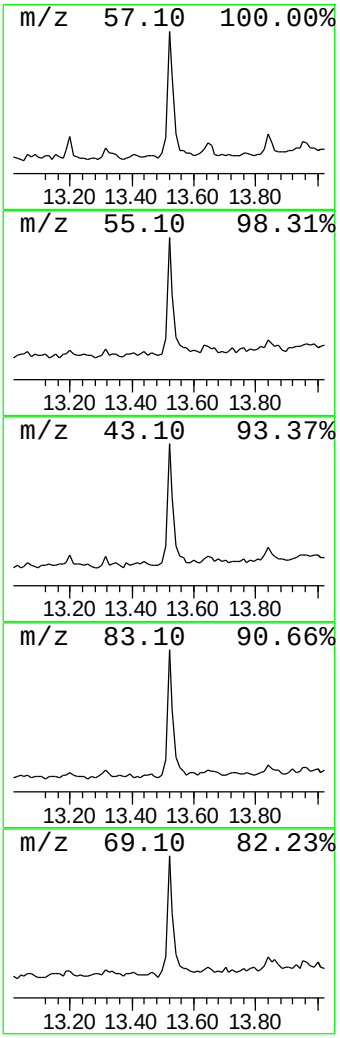
Peak Number 8 1-Heneicosanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	5.48 ng	118185	Chrysene-d12	13.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	Behenic alcohol	326	C22H46O	000661-19-8	95
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95





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Sample : H4216-01
Misc :
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Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.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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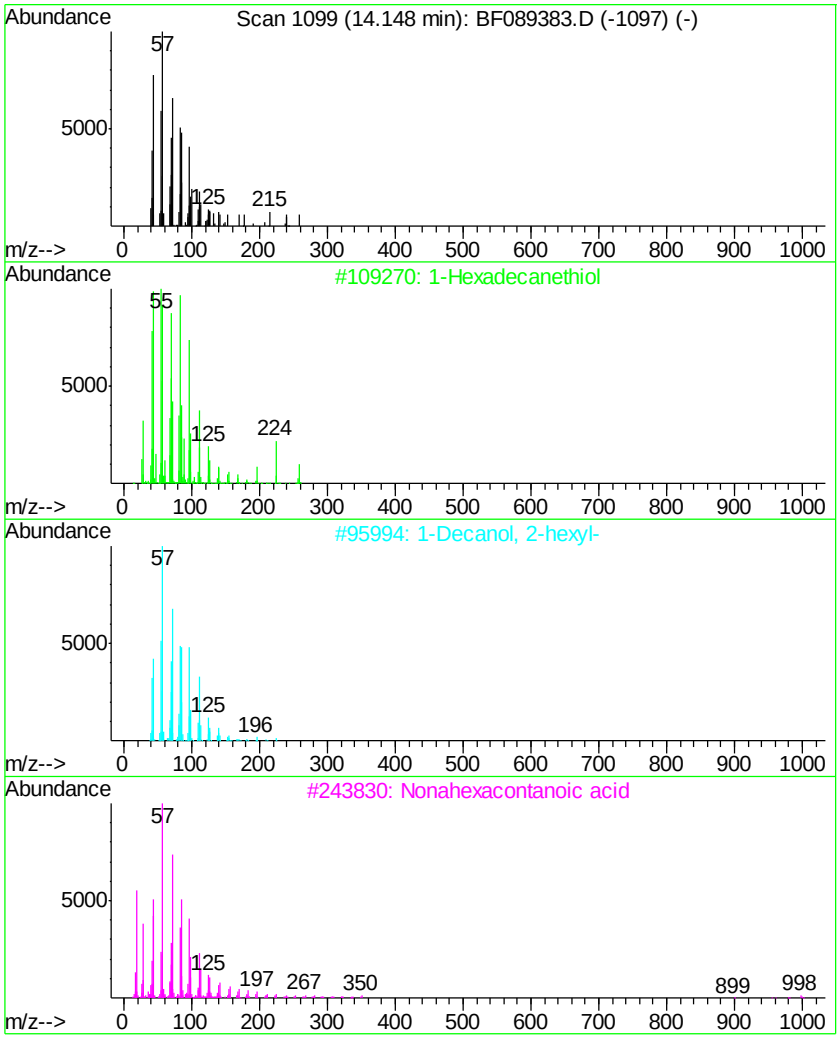
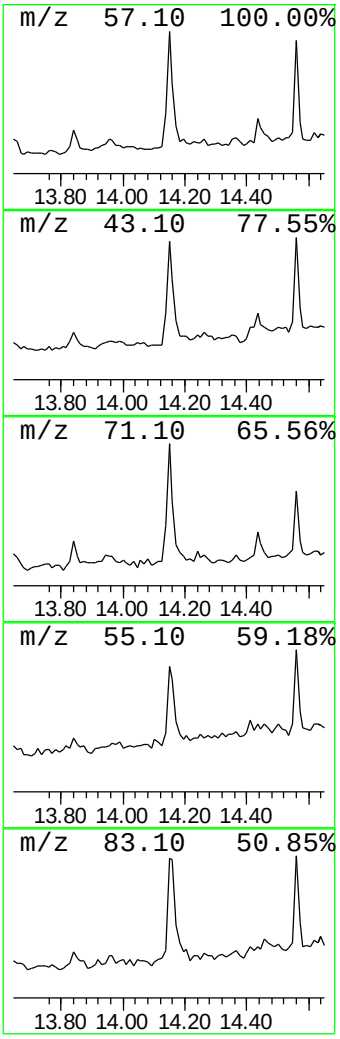
Peak Number 9 1-Hexadecanethiol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	3.64 ng	78553	Chrysene-d12	13.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanethiol	258	C16H34S	002917-26-2	97
2	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	83
3	Nonahexacontanoic acid	999	C69H138O2	040710-32-5	68
4	Carbonic acid, hexadecyl 2,2,2-t...	416	C19H35Cl3O3	1000314-56-2	64
5	Pentafluoropropionic acid, tride...	346	C16H27F5O2	959261-22-4	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089383.D
Acq On : 29 Jul 2016 1:08
Operator : UM/SJ
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.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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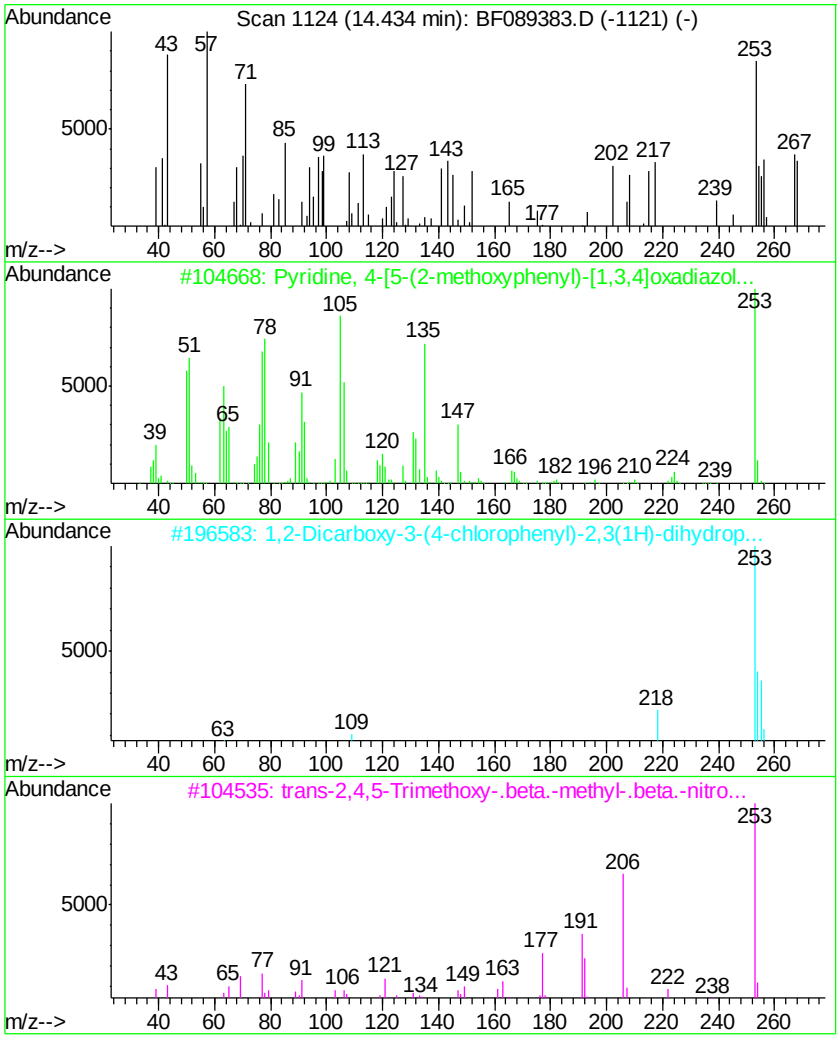
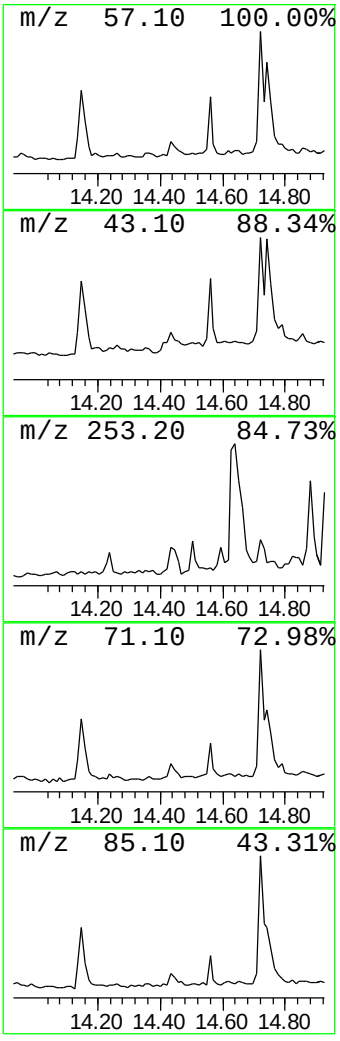
Peak Number 10 unknown14.43 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	2.93 ng	45380	Perylene-d12	14.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 4-[5-(2-methoxyphenyl)...	253	C14H11N3O2	1000303-05-9	18
2	1,2-Dicarboxy-3-(4-chlorophenyl)...	370	C19H15ClN2O4	1000148-26-9	17
3	trans-2,4,5-Trimethoxy-.beta.-me...	253	C12H15NO5	134040-35-0	14
4	Plumbane, trimethyl[(methylsulfi...	332	C4H12O2PbS	044657-41-2	10
5	3-Chloro-11H-pyrido[3',2'-4,5]py...	253	C14H8ClN3	1000212-59-4	9





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Data File : BF089383.D
Acq On : 29 Jul 2016 1:08
Operator : UM/SJ
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

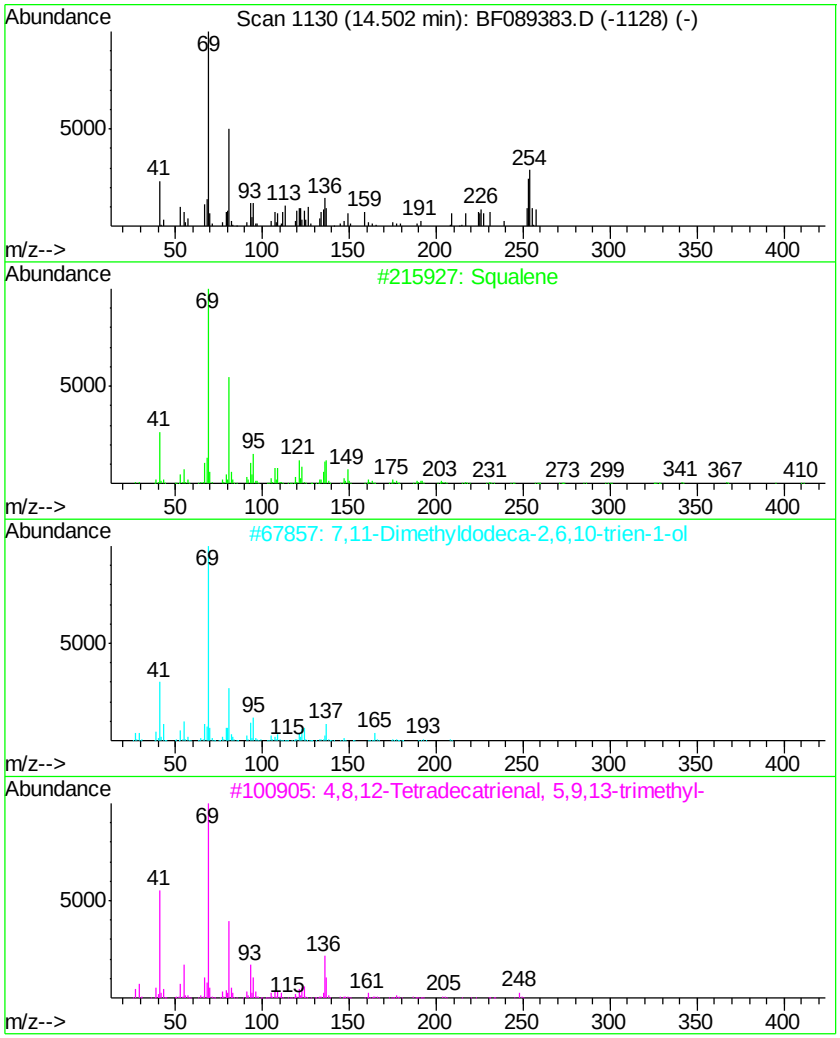
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

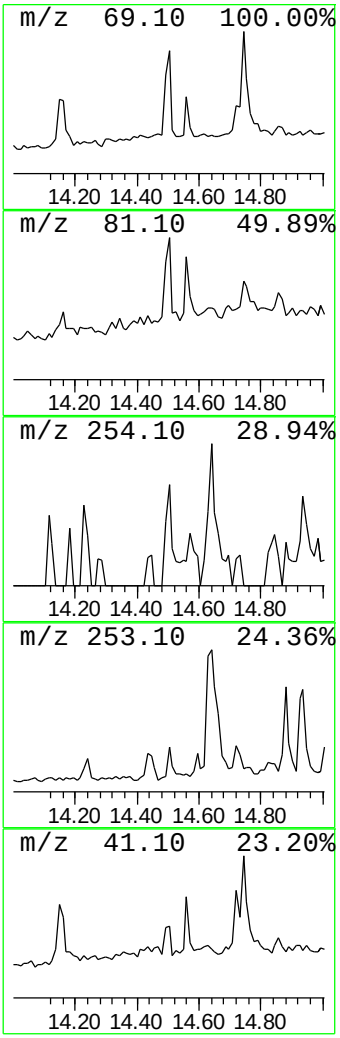
****

Peak Number 11 unknown14.50 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	2.33 ng	36163	Perylene-d12	14.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	49
2	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	43
3	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	43
4	4,8,12-Tetradecatrienenitrile, 5...	245	C17H27N	005981-31-7	43
5	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	43





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Acq On : 29 Jul 2016 1:08
Operator : UM/SJ
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.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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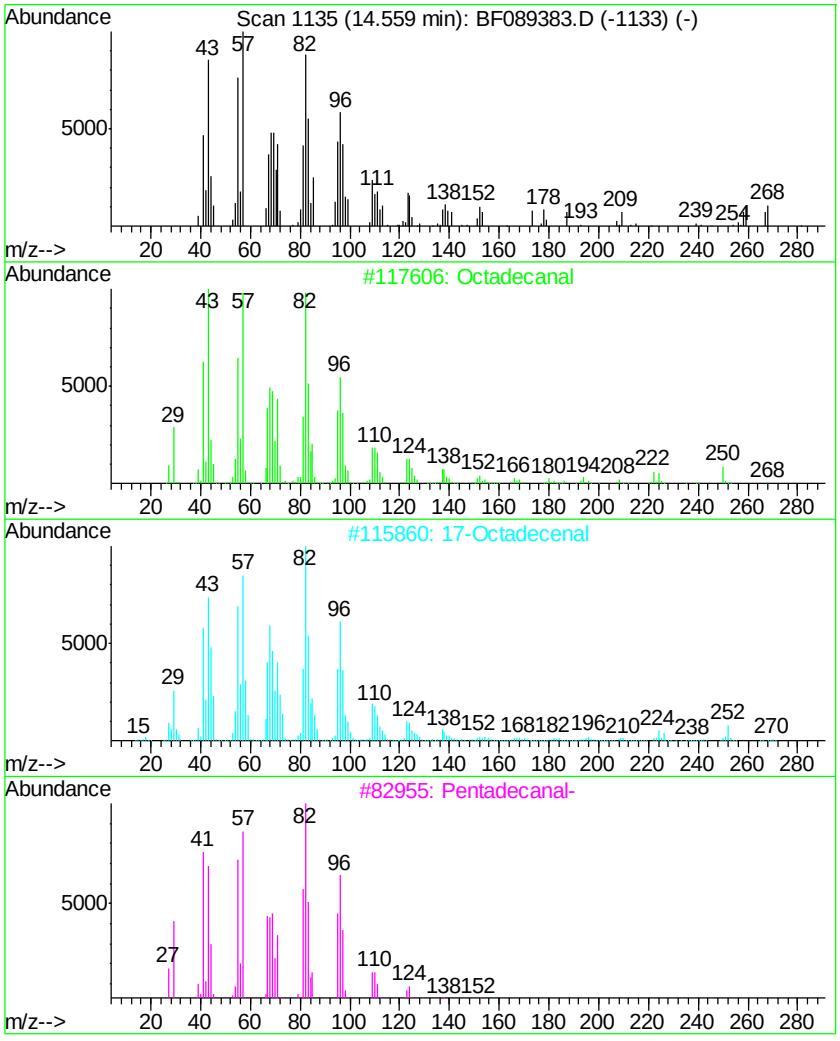
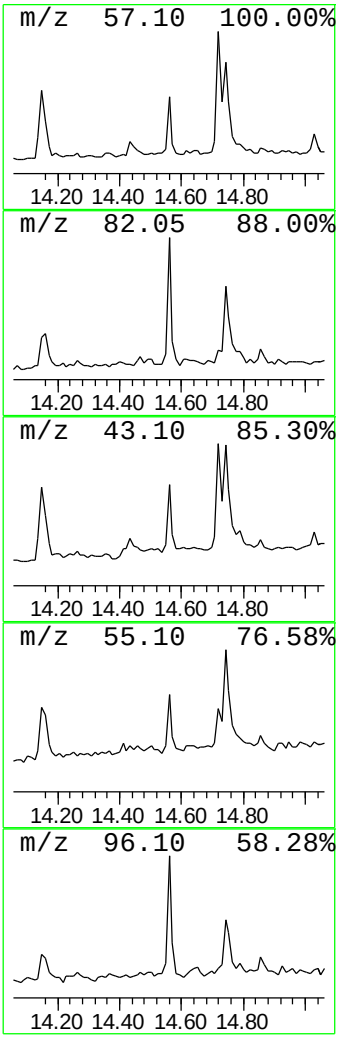
Peak Number 12 Octadecanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	4.13 ng	63925	Perylene-d12	14.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	91
2	17-Octadecenal	266	C18H34O	056554-86-0	91
3	Pentadecanal-	226	C15H30O	002765-11-9	90
4	16-Octadecenal	266	C18H34O	056554-87-1	90
5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	90





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Acq On : 29 Jul 2016 1:08
Operator : UM/SJ
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.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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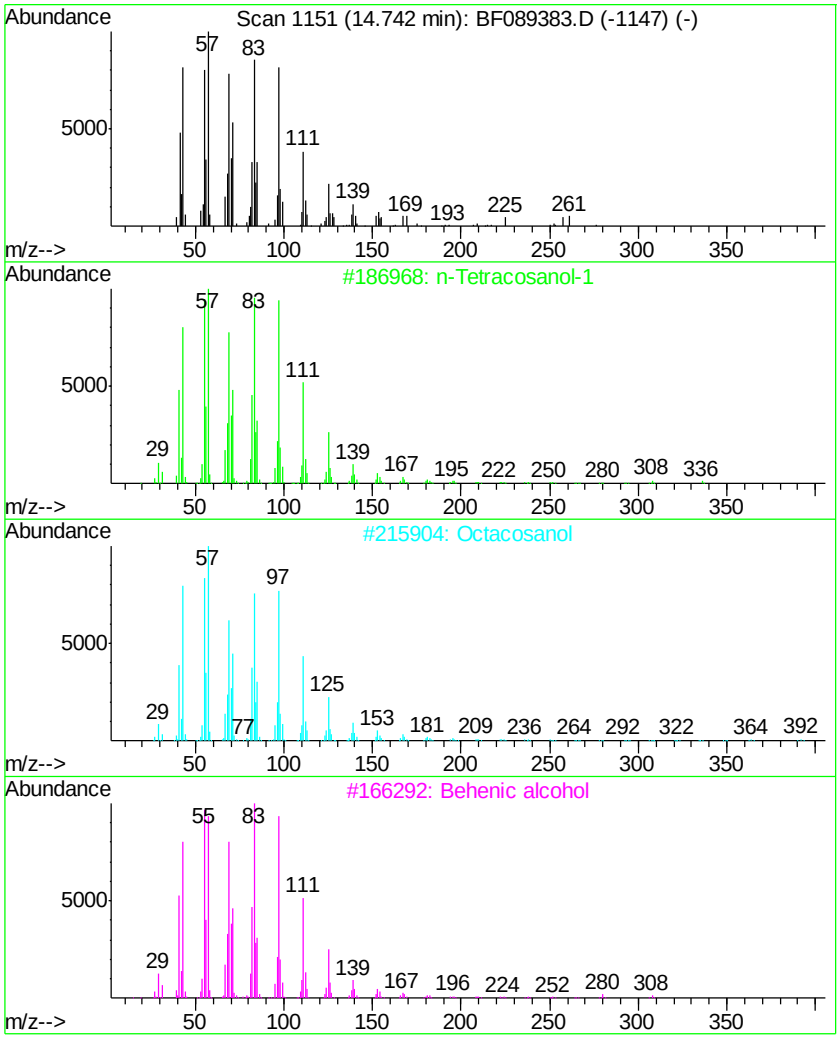
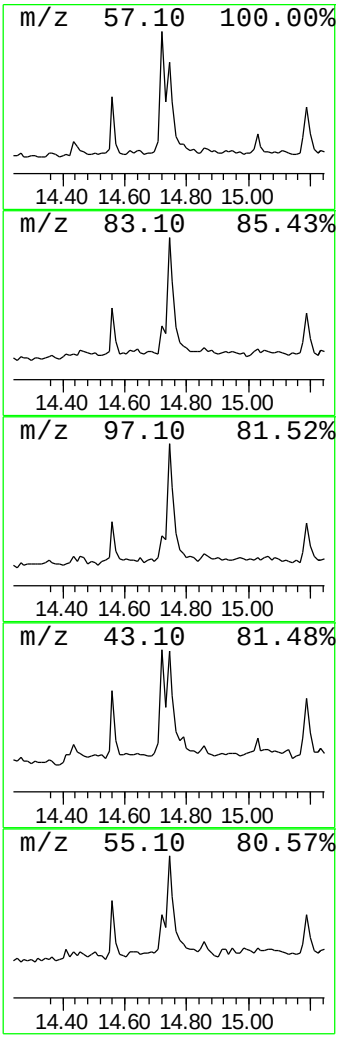
Peak Number 13 n-Tetracosanol-1 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	15.28 ng	236850	Perylene-d12	14.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
2	Octacosanol	410	C28H58O	000557-61-9	93
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93





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Acq On : 29 Jul 2016 1:08
Operator : UM/SJ
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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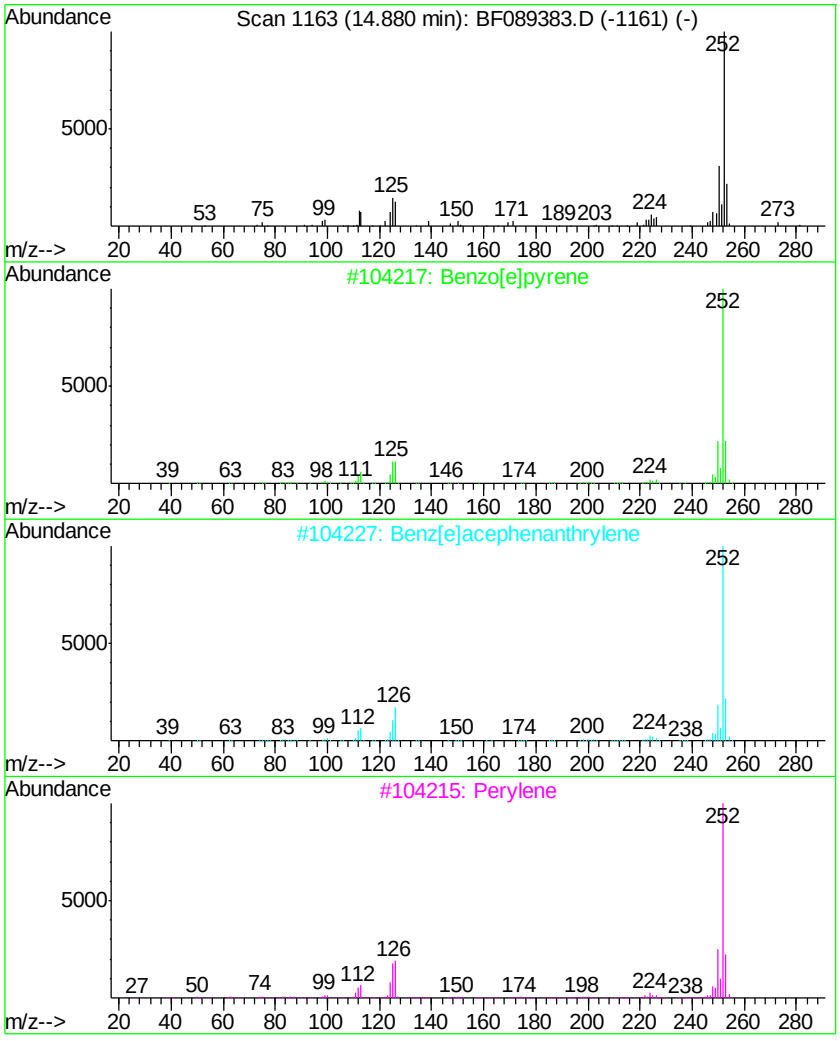
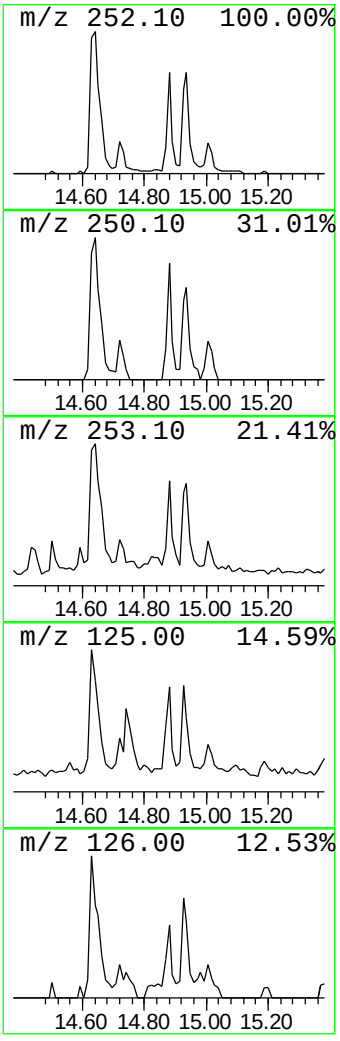
Peak Number 14 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	3.95 ng	61140	Perylene-d12	14.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	87
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
3	Perylene	252	C20H12	000198-55-0	81
4	Benzo[a]pyrene	252	C20H12	000050-32-8	76
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76





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Acq On : 29 Jul 2016 1:08
Operator : UM/SJ
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.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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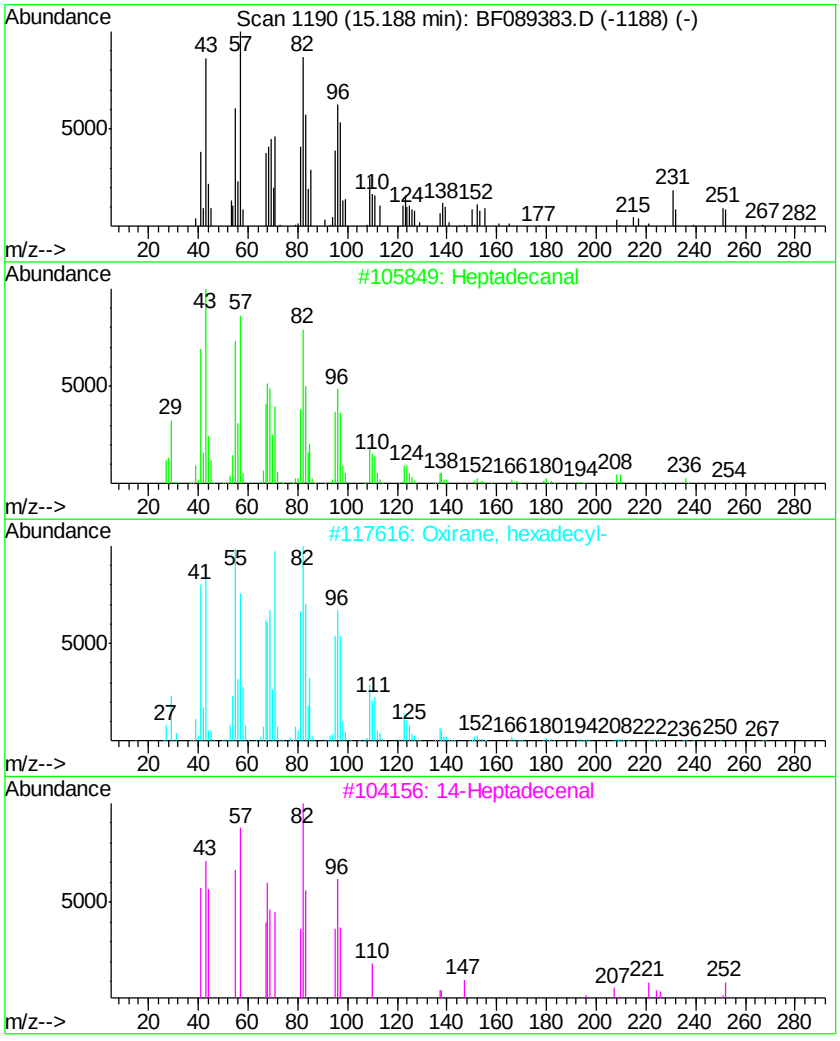
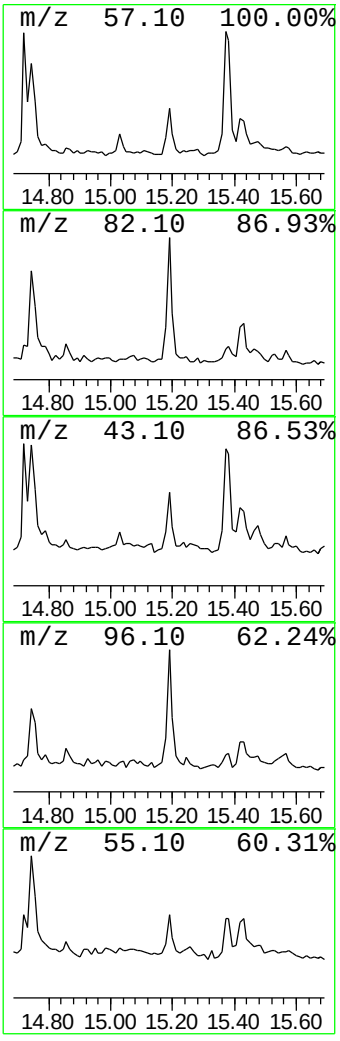
Peak Number 15 Heptadecanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	3.95 ng	61173	Perylene-d12	14.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecanal	254	C17H34O	1000376-70-0	91
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
3	14-Heptadecenal	252	C17H32O	1000144-58-0	89
4	16-Heptadecenal	252	C17H32O	1000144-57-9	89
5	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	87





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Operator : UM/SJ
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.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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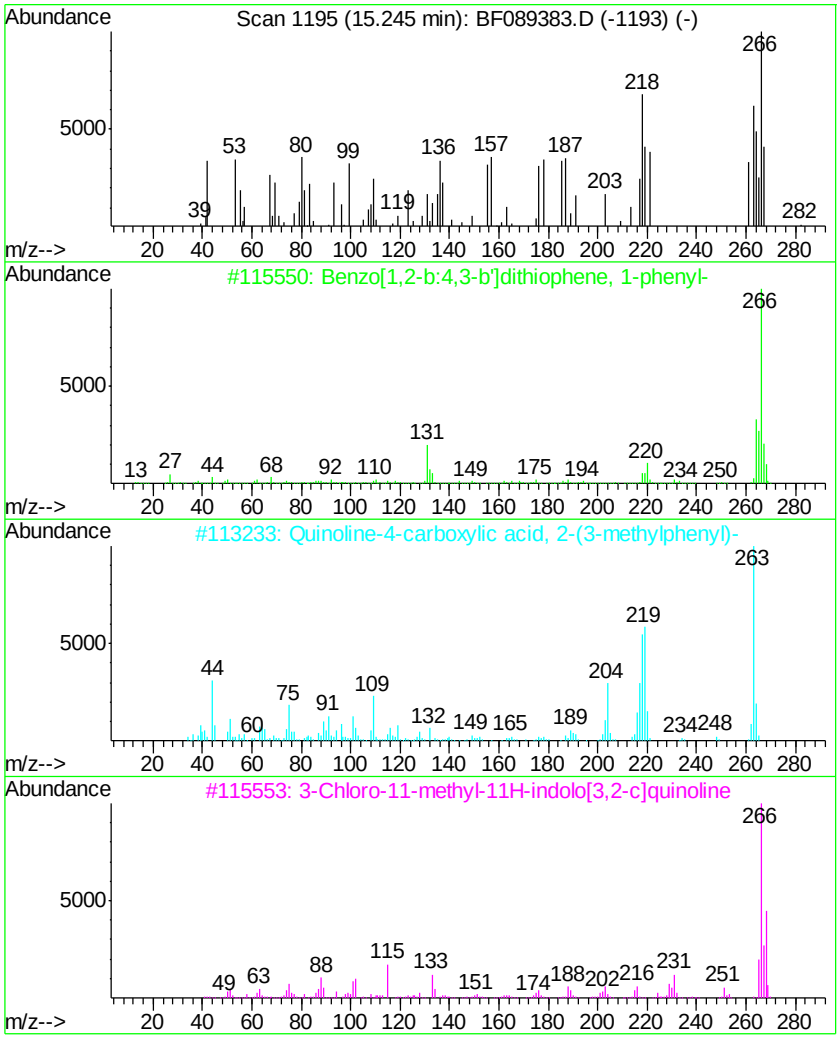
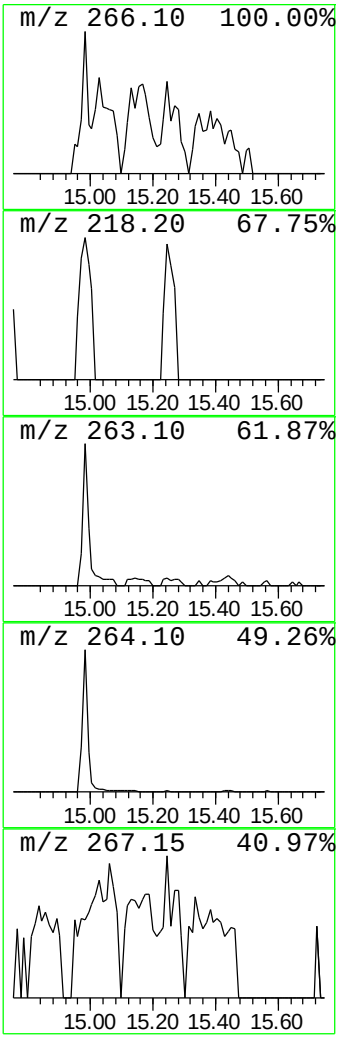
Peak Number 16 unknown15.25 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	2.36 ng	36606	Perylene-d12	14.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	22
2	Quinoline-4-carboxylic acid, 2-(...	263	C17H13NO2	020389-04-2	16
3	3-Chloro-11-methyl-11H-indolo[3,...	266	C16H11ClN2	155249-46-0	14
4	2,6-Dibromobenzoquinone	264	C6H2Br2O2	019643-45-9	14
5	7-Methyl-2-phenylquinoline-4-car...	263	C17H13NO2	181048-54-4	10





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Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.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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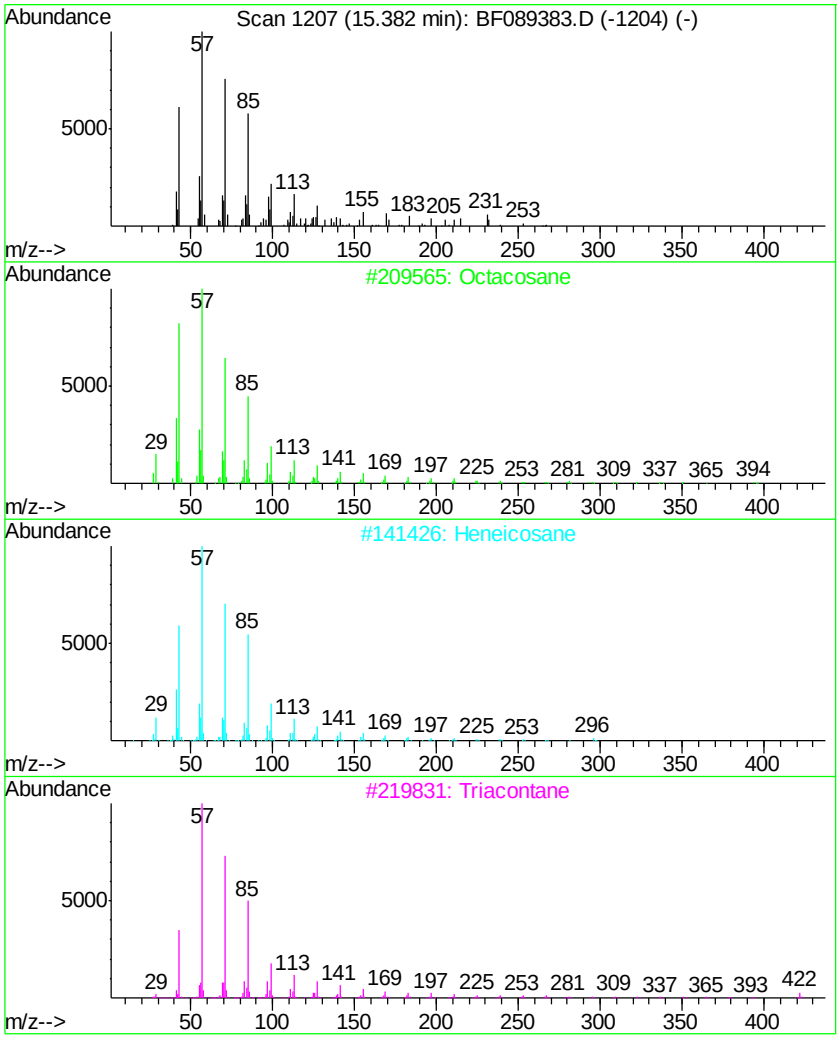
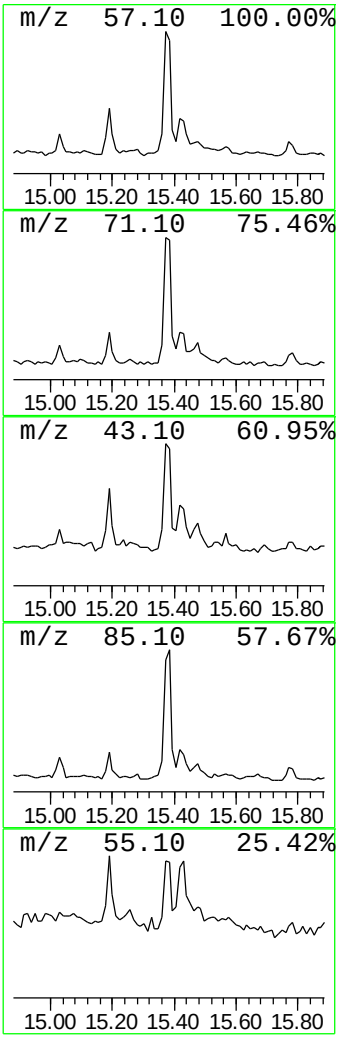
Peak Number 17 Octacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	6.72 ng	104151	Perylene-d12	14.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Heptacosane	380	C27H56	000593-49-7	90





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Acq On : 29 Jul 2016 1:08
Operator : UM/SJ
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.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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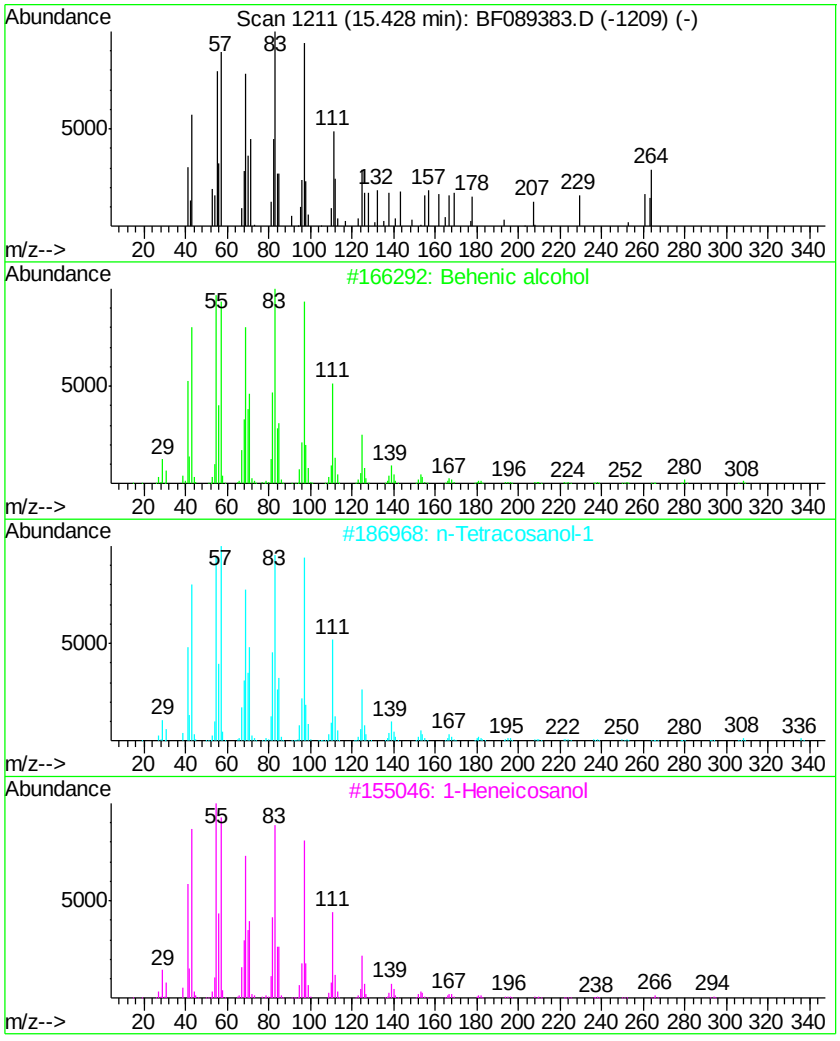
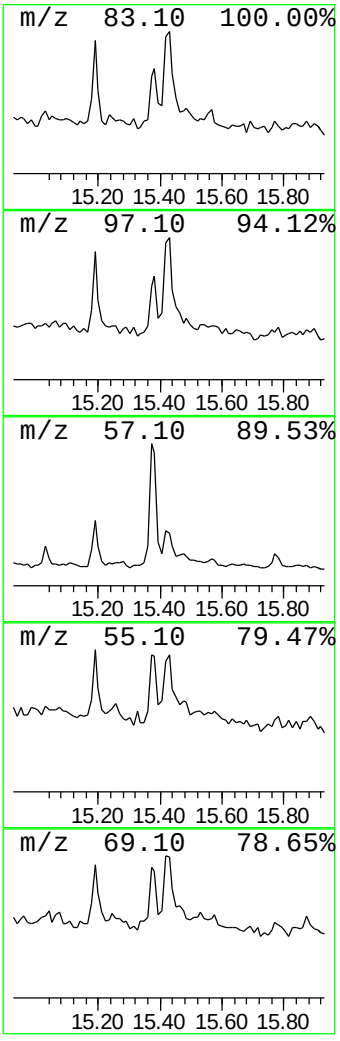
Peak Number 18 Behenic alcohol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	2.60 ng	40324	Perylene-d12	14.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	93
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
3	1-Heneicosanol	312	C21H44O	015594-90-8	87
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	87
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	87





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Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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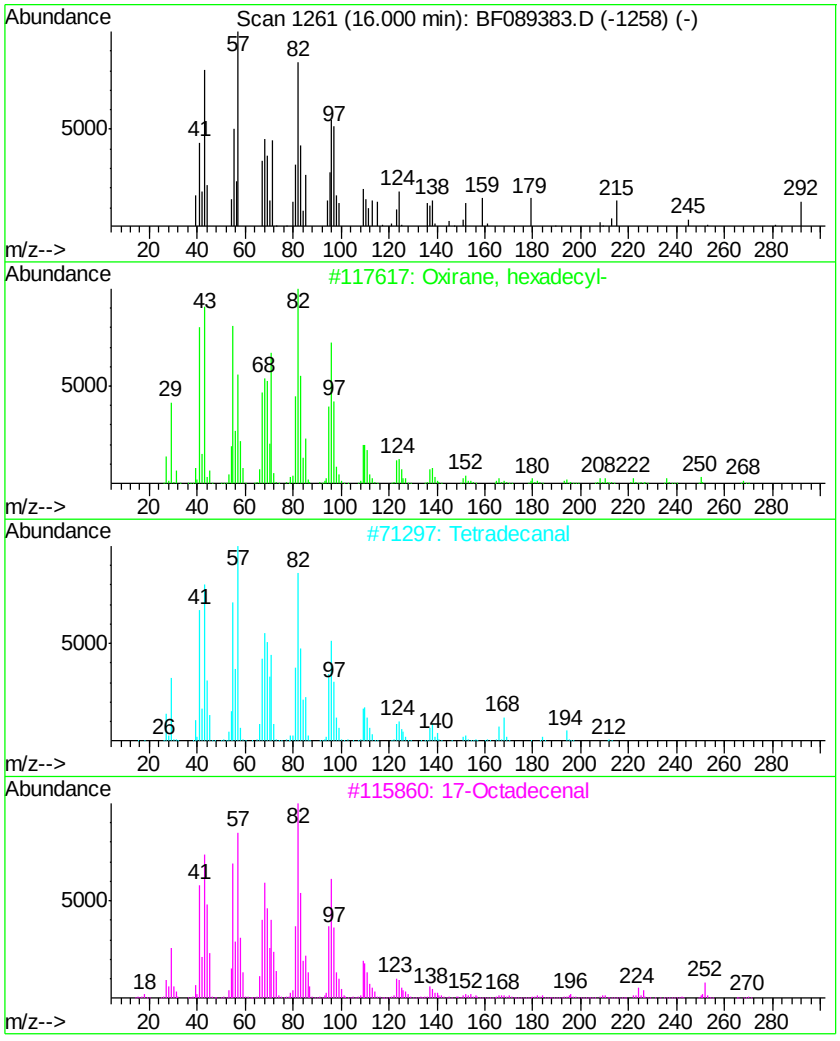
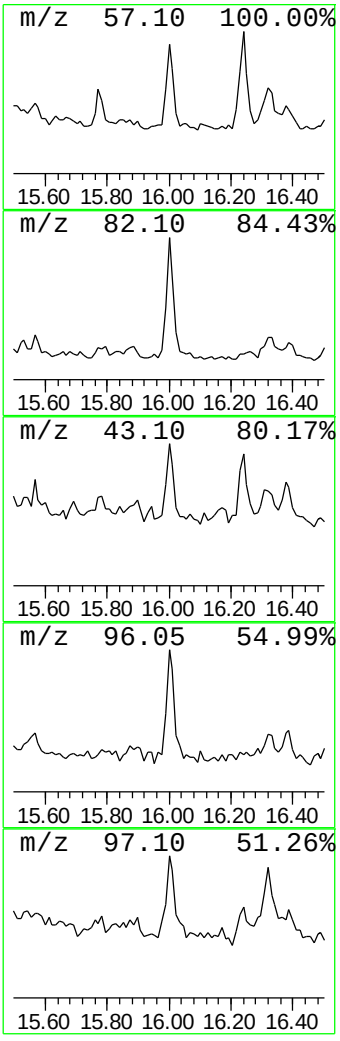
Peak Number 19 Oxirane, hexadecyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	3.11 ng	48196	Perylene-d12	14.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	87
2	Tetradecanal	212	C14H28O	000124-25-4	87
3	17-Octadecenal	266	C18H34O	056554-86-0	83
4	Hexadecanal	240	C16H32O	000629-80-1	80
5	16-Octadecenal	266	C18H34O	056554-87-1	80





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Operator : UM/SJ
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.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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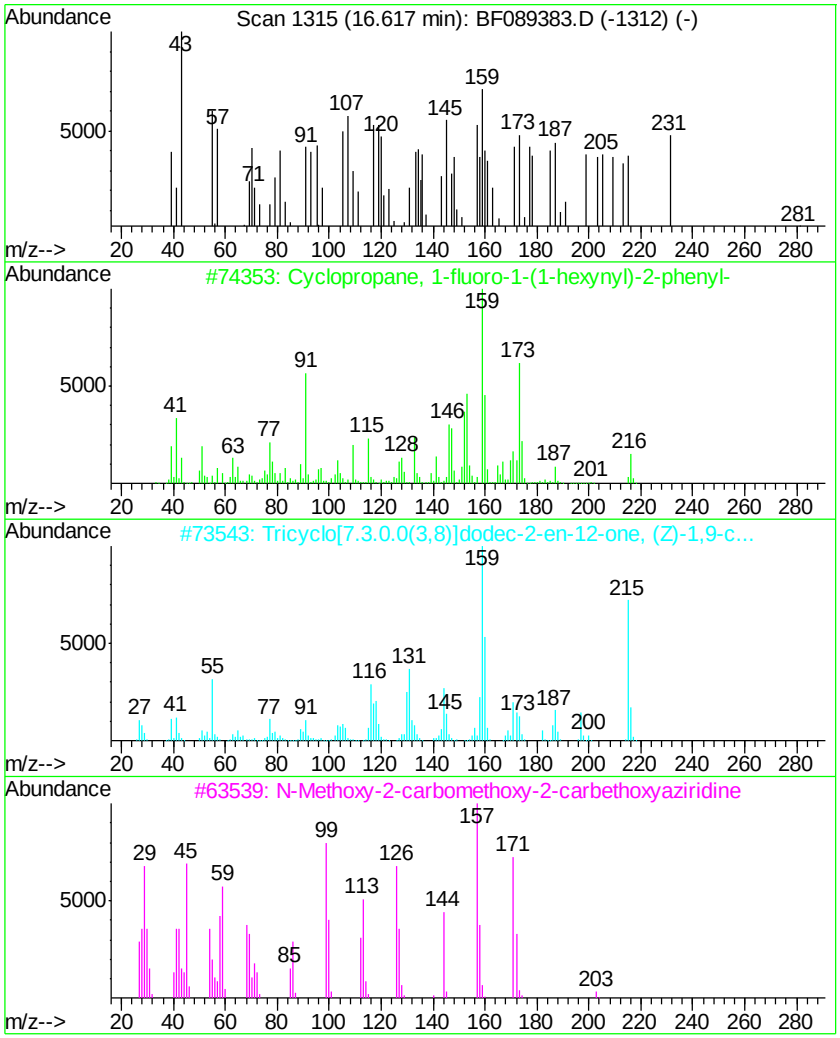
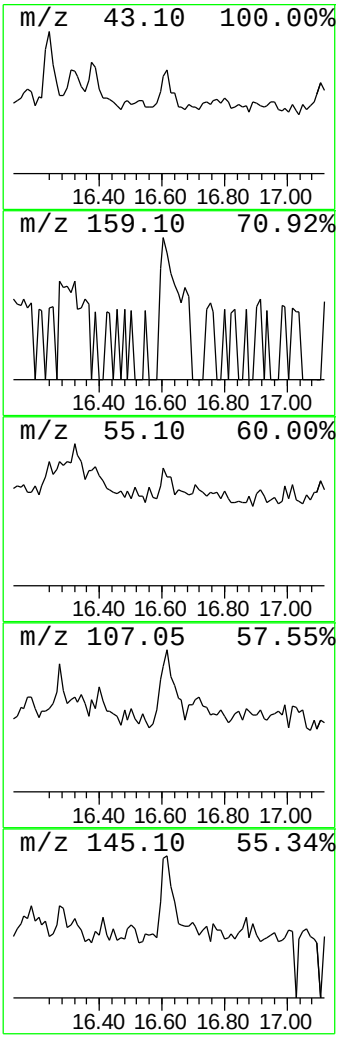
Peak Number 20 unknown16.62 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	3.15 ng	48874	Perylene-d12	14.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-fluoro-1-(1-hexy...	216	C15H17F	309945-39-9	14
2	Tricyclo[7.3.0.0(3,8)]dodec-2-en...	215	C14H17NO	1000161-40-1	10
3	N-Methoxy-2-carbomethoxy-2-carbe...	203	C8H13NO5	063859-01-8	10
4	2-Chloro-5,6-dihydro-4H-benzothi...	187	C7H6ClNOS	330203-55-9	9
5	1,3,5-Trisilacyclohexane, 1,1-di...	160	C5H16Si3	054424-15-6	9





Tentatively Identified Compound (LSC) summary

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Data File : BF089383.D
Acq On : 29 Jul 2016 1:08
Operator : UM/SJ
Sample : H4216-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1(LOT107S)0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.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
2-Pentanone, 4-hy...	4.63	18.4	ng	244931	1	6.52	265905	20.0
unknown6.30	6.30	94.0	ng	1250000	1	6.52	265905	20.0
n-Tridecan-1-ol	11.28	2.2	ng	40839	4	11.03	363997	20.0
n-Hexadecanoic acid	11.59	2.6	ng	46664	4	11.03	363997	20.0
unknown12.86	12.86	3.2	ng	68267	5	13.65	431584	20.0
1-Heneicosanol	13.52	5.5	ng	118185	5	13.65	431584	20.0
1-Hexadecanethiol	14.15	3.6	ng	78553	5	13.65	431584	20.0
unknown14.43	14.43	2.9	ng	45380	6	14.98	309934	20.0
unknown14.50	14.50	2.3	ng	36163	6	14.98	309934	20.0
Octadecanal	14.56	4.1	ng	63925	6	14.98	309934	20.0
n-Tetracosanol-1	14.74	15.3	ng	236850	6	14.98	309934	20.0
Benzo[e]pyrene	14.88	4.0	ng	61140	6	14.98	309934	20.0
Heptadecanal	15.19	4.0	ng	61173	6	14.98	309934	20.0
unknown15.25	15.25	2.4	ng	36606	6	14.98	309934	20.0
Octacosane	15.38	6.7	ng	104151	6	14.98	309934	20.0
Behenic alcohol	15.43	2.6	ng	40324	6	14.98	309934	20.0
Oxirane, hexadecyl-	16.00	3.1	ng	48196	6	14.98	309934	20.0
unknown16.62	16.62	3.1	ng	48874	6	14.98	309934	20.0