LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094785.D
Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

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-BF041717.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	2.984	170	178	190	rBV	1398102	1624067	54.31%	4.295%
2	3.931	335	339	348	rBV	451677	566314	18.94%	1.498%
3	4.325	402	406	425	rBV	2627775	2788363	93.25%	7.375%
4	4.701	467	470	478	rVB	39928	41955	1.40%	0.111%
5	5.401	584	589	600	rBV	2577306	2873719	96.10%	7.600%
6	5.519	605	609	620	rVB	2872705	2990315	100.00%	7.909%
7	5.760	647	650	654	rBV	552533	532872	17.82%	1.409%
8	5.942	676	681	684	rBV	2492261	2315680	77.44%	6.124%
9	6.413	756	761	765	rBV	1548137	1730546	57.87%	4.577%
10	6.584	784	790	797	rBV9	19003	56279	1.88%	0.149%
11	6.695	806	809	816	rBV2	59245	72904	2.44%	0.193%
12	6.825	827	831	837	rVB4	64973	79356	2.65%	0.210%
13	6.919	843	847	851	rBV5	20198	36772	1.23%	0.097%
14	7.148	883	886	889	rBV2	33018	30128	1.01%	0.080%
15	7.254	900	904	910	rVB	818510	791641	26.47%	2.094%
16	7.307	910	913	919	rBV4	23475	37348	1.25%	0.099%
17	7.372	922	924	928	rVB	111656	106436	3.56%	0.281%
18	7.519	946	949	954	rVB2	67389	64942	2.17%	0.172%
19	7.660	970	973	975	rBV3	26112	30236	1.01%	0.080%
20	7.713	979	982	986	rBV4	44611	60821	2.03%	0.161%
21	7.813	995	999	1006	rBV2	257971	273309	9.14%	0.723%
22	7.872	1006	1009	1013	rVB4	36874	46616	1.56%	0.123%
23	7.931	1016	1019	1023	rVB2	59566	58860	1.97%	0.156%
24	8.019	1028	1034	1037	rBV2	93451	125975	4.21%	0.333%
25	8.219	1065	1068	1070	rBV3	34591	33703	1.13%	0.089%
26	8.260	1073	1075	1081	rVB6	43031	57295	1.92%	0.152%
27	8.460	1106	1109	1112	rBV3	61955	65112	2.18%	0.172%
28	8.548	1121	1124	1126	rBV	294448	323584	10.82%	0.856%
29	8.578	1126	1129	1132	rVB	2947080	2785539	93.15%	7.367%
30	8.660	1140	1143	1146	rBV	100813	105939	3.54%	0.280%
31	8.689	1146	1148	1150	rVV2	61775	48910	1.64%	0.129%
32	8.719	1150	1153	1159	rVV2	161423	184856	6.18%	0.489%
33	8.795	1164	1166	1171	rVB4	49161	60301	2.02%	0.159%
34	8.954	1190	1193	1195	rVB2	52026	53330	1.78%	0.141%

LSC Area Percent Report

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Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

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 >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.983	1195	1198	1200	rBV3	37757	44411	1.49%	0.117%
36	9.036	1204	1207	1209	rBV	138014	138160	4.62%	0.365%
37	9.078	1211	1214	1217	rVV	495072	506756	16.95%	1.340%
38	9.113	1217	1220	1223	rVB	358217	313020	10.47%	0.828%
39	9.183	1229	1232	1234	rBV3	56428	59735	2.00%	0.158%
40	9.225	1236	1239	1244	rVV3	67652	106990	3.58%	0.283%
41	9.266	1244	1246	1247	rBV	98338	80333	2.69%	0.212%
42	9.283	1247	1249	1253	rVB2	127336	112536	3.76%	0.298%
43	9.325	1254	1256	1260	rVB3	42943	52388	1.75%	0.139%
44	9.372	1260	1264	1265	rBV	375725	407289	13.62%	1.077%
45	9.389	1265	1267	1271	rVV2	669784	616646	20.62%	1.631%
46	9.431	1271	1274	1276	rVB	69008	67216	2.25%	0.178%
47	9.648	1308	1311	1315	rBV3	65612	96740	3.24%	0.256%
48	9.689	1315	1318	1322	rVV2	86556	110286	3.69%	0.292%
49	9.766	1328	1331	1334	rVB2	106124	107280	3.59%	0.284%
50	9.807	1335	1338	1343	rBV4	74587	87392	2.92%	0.231%
51	9.895	1350	1353	1356	rBV	91941	103649	3.47%	0.274%
52	9.983	1366	1368	1373	rBV	355091	344929	11.53%	0.912%
53	10.066	1379	1382	1386	rVB	94818	109110	3.65%	0.289%
54	10.260	1411	1415	1422	rVB	360987	469202	15.69%	1.241%
55	10.372	1429	1434	1438	rBV	1307515	1455839	48.69%	3.850%
56	10.572	1464	1468	1469	rBV	376592	371837	12.43%	0.983%
57	10.589	1469	1471	1475	rVB	541938	538703	18.01%	1.425%
58	10.807	1506	1508	1512	rVB	84603	94140	3.15%	0.249%
59	11.124	1559	1562	1565	rBV	302240	286551	9.58%	0.758%
60	11.166	1565	1569	1573	rVV	326807	380051	12.71%	1.005%
61	11.213	1574	1577	1580	rVV	575687	601542	20.12%	1.591%
62	11.242	1580	1582	1586	rVV	657459	633681	21.19%	1.676%
63	11.307	1590	1593	1597	rVB	244715	275170	9.20%	0.728%
64	11.654	1649	1652	1657	rVB	194790	198707	6.65%	0.526%
65	11.972	1704	1706	1710	rVB	91779	87400	2.92%	0.231%
66	12.154	1734	1737	1743	rVB	156779	168083	5.62%	0.445%
67	12.636	1816	1819	1822	rVB4	111688	121954	4.08%	0.323%
68	12.707	1827	1831	1835	rBV	848236	870860	29.12%	2.303%
69	12.983	1874	1878	1882	rVB	783776	858540	28.71%	2.271%
70	13.195	1909	1914	1918	rBV	2081153	2225897	74.44%	5.887%
71	13.401	1946	1949	1954	rVB2	197325	211016	7.06%	0.558%

LSC Area Percent Report

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Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.483	1960	1963	1967	rVB	156800	141651	4.74%	0.375%
73	13.530	1968	1971	1976	rVB4	88402	132090	4.42%	0.349%
74	14.189	2081	2083	2086	rBV	53489	56187	1.88%	0.149%
75	14.465	2125	2130	2133	rBV2	612370	949271	31.74%	2.511%
76	14.501	2133	2136	2139	rVB2	372575	423217	14.15%	1.119%
77	14.595	2149	2152	2155	rVB	97588	101899	3.41%	0.269%
78	15.701	2336	2340	2343	rBV	340012	500813	16.75%	1.325%
79	15.989	2386	2389	2395	rVB	215354	222440	7.44%	0.588%
80	16.048	2395	2399	2404	rBV	253330	322428	10.78%	0.853%
81	16.101	2405	2408	2411	rBV	321901	321336	10.75%	0.850%
82	17.395	2624	2628	2634	rVB2	147869	271379	9.08%	0.718%

Sum of corrected areas: 37810773

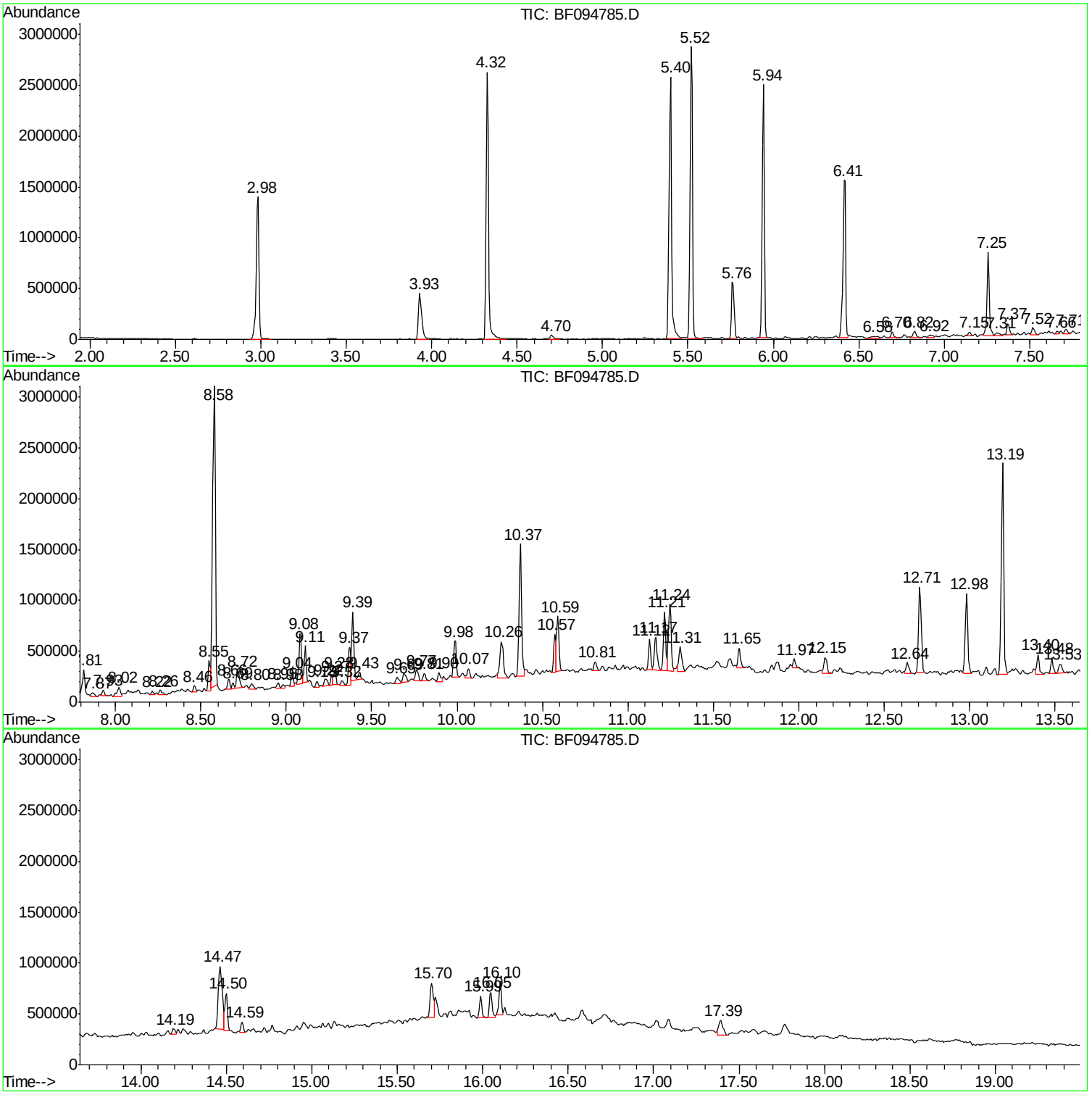
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094785.D
Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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\BF050117\
Data File : BF094785.D
Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

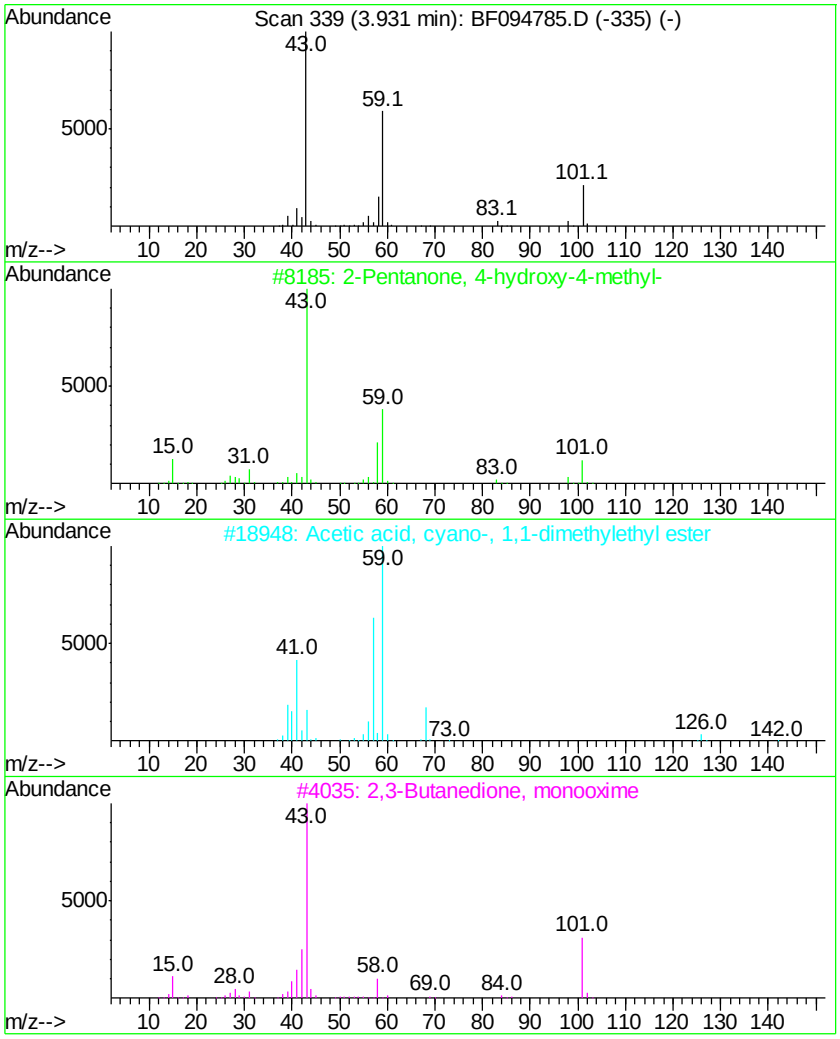
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

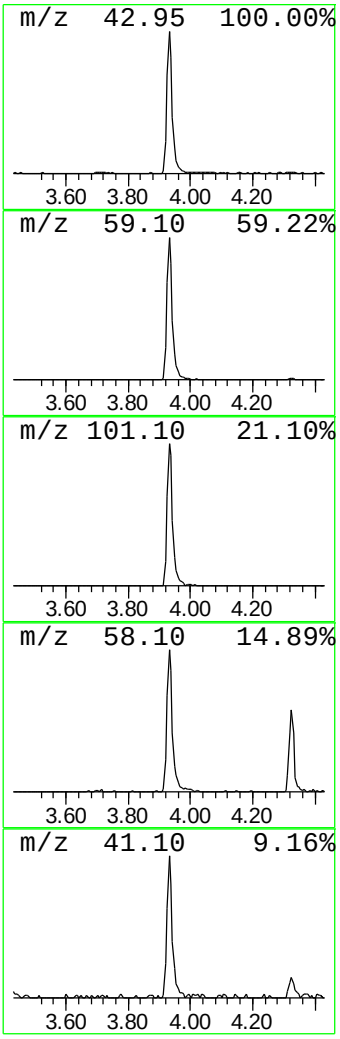
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	21.26 ng	566314	1,4-Dichlorobenzene-d4	5.77

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	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





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Data File : BF094785.D
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Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

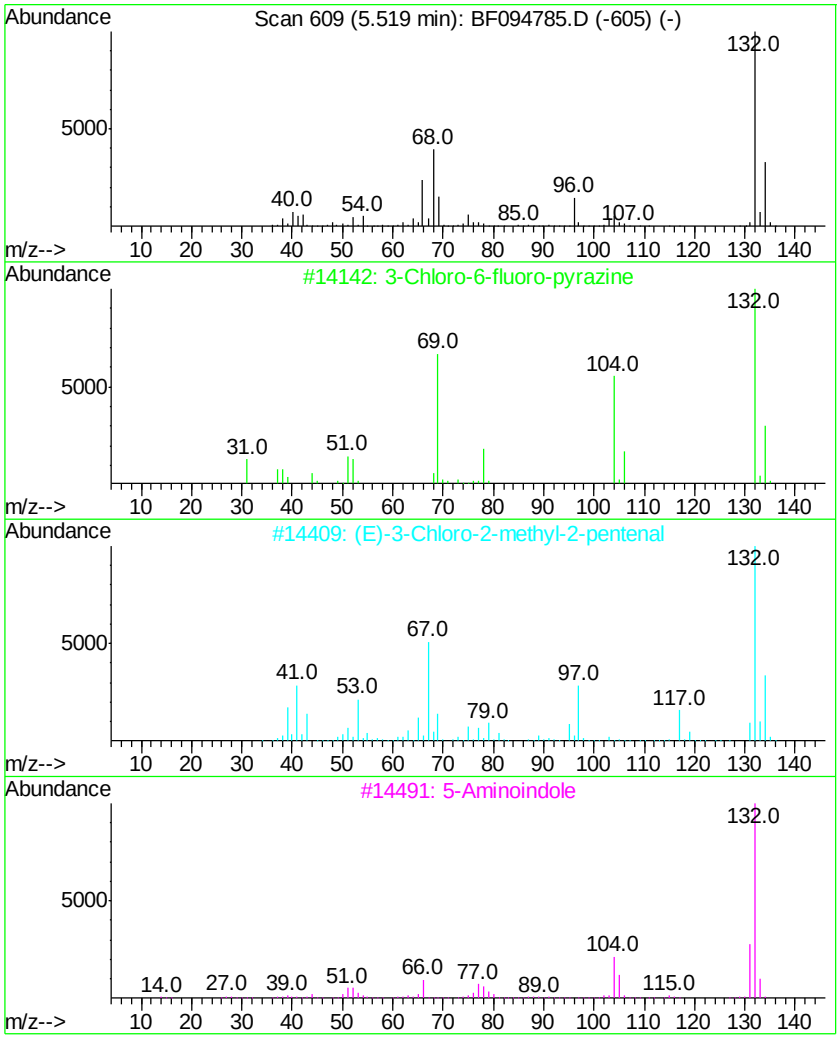
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

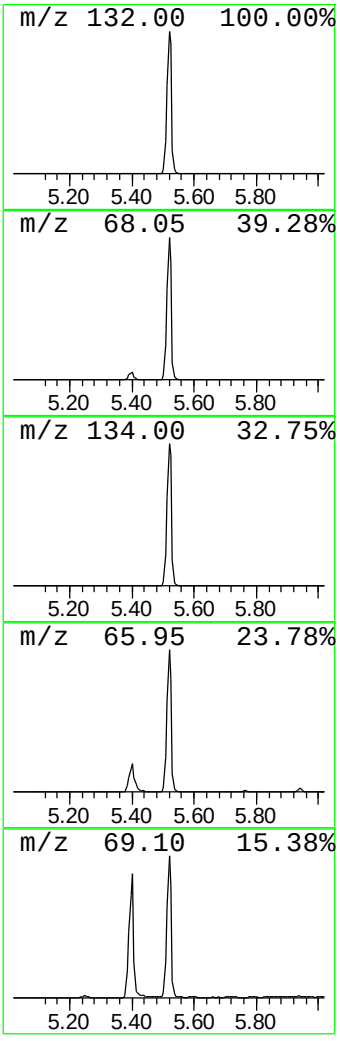
****

Peak Number 3 unknown5.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	112.23 ng	2990320	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
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Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
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TIC Library : C:\DATABASE\NIST11.L
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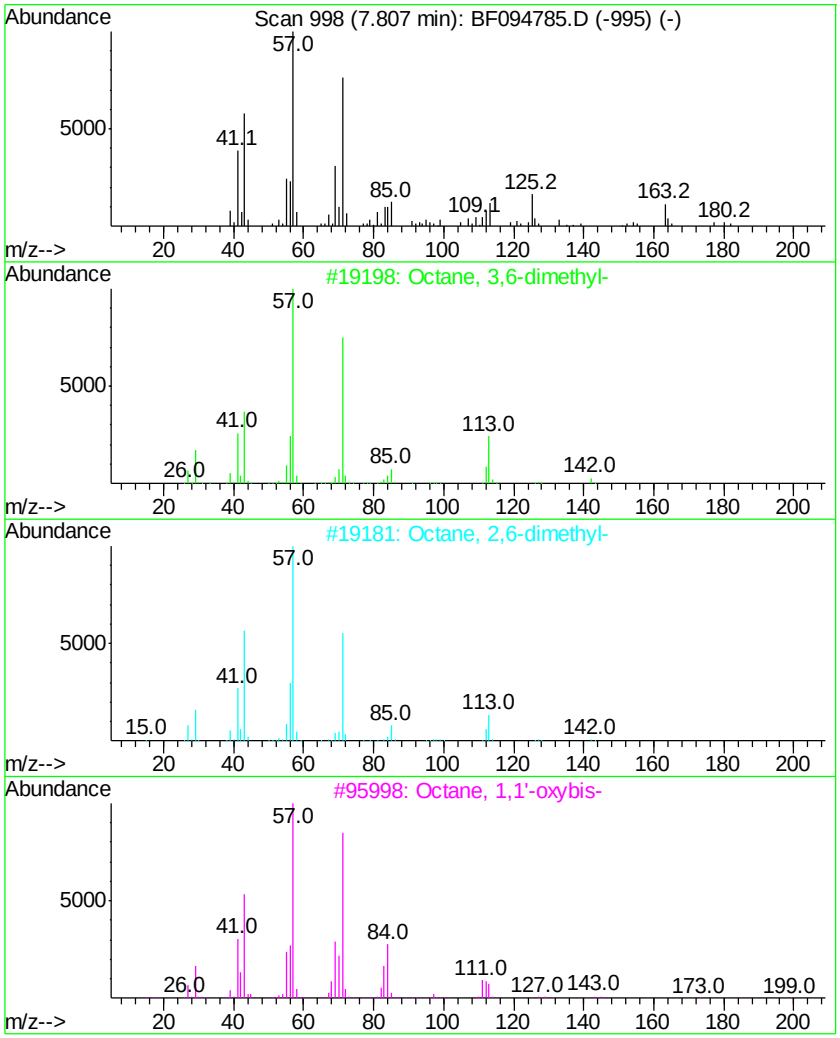
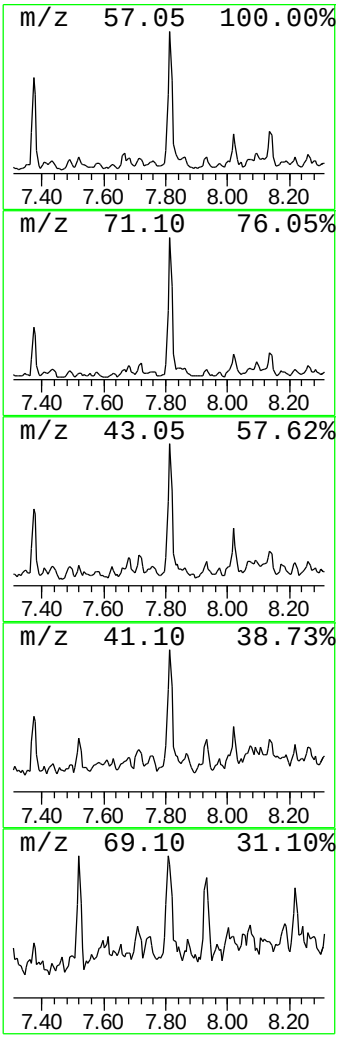
****

Peak Number 5 Octane, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	6.90 ng	273309	Naphthalene-d8	7.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
3	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	72
4	Heneicosane	296	C21H44	000629-94-7	64
5	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	64





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TIC Library : C:\DATABASE\NIST11.L
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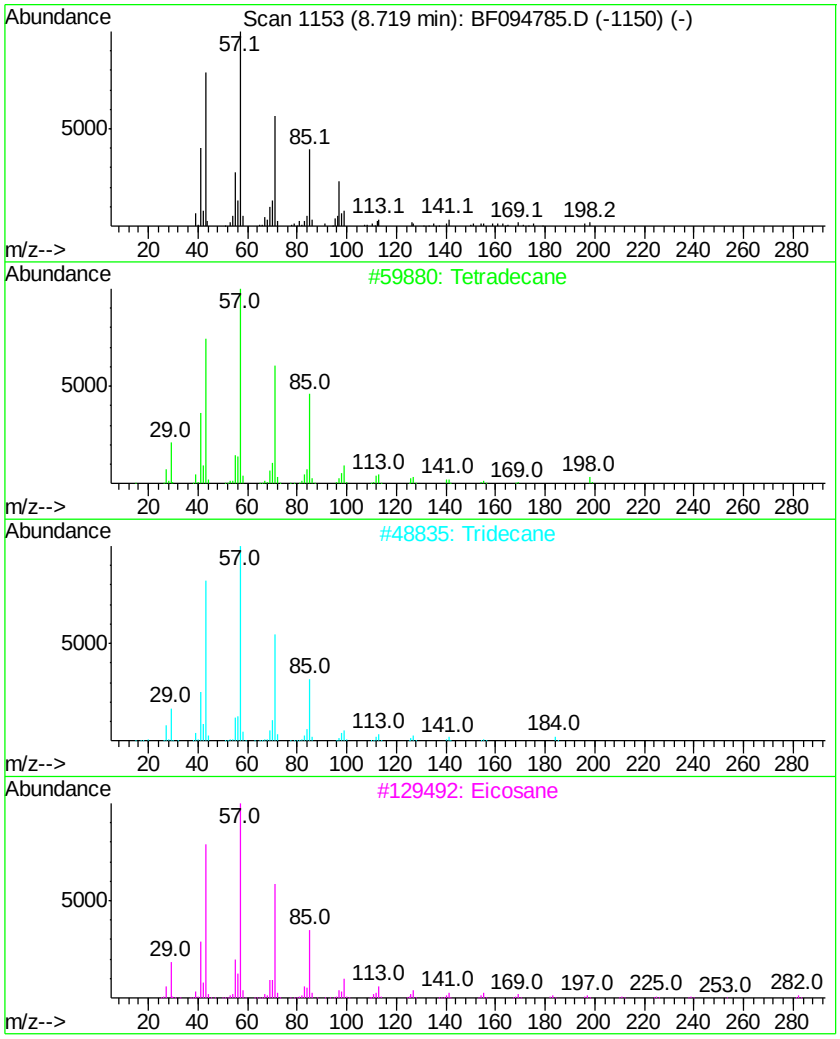
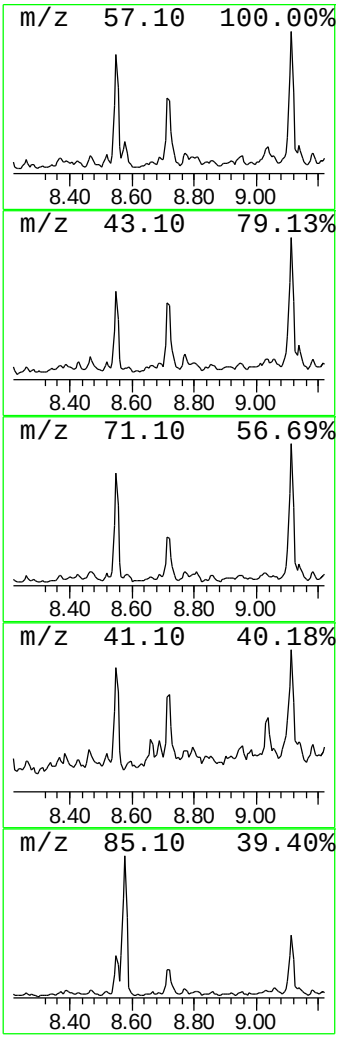
Peak Number 6 Tetradecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	6.00 ng	184856	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Tridecane	184	C13H28	000629-50-5	80
3	Eicosane	282	C20H42	000112-95-8	59
4	Hexadecane	226	C16H34	000544-76-3	52
5	Decane, 1-iodo-	268	C10H21I	002050-77-3	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
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Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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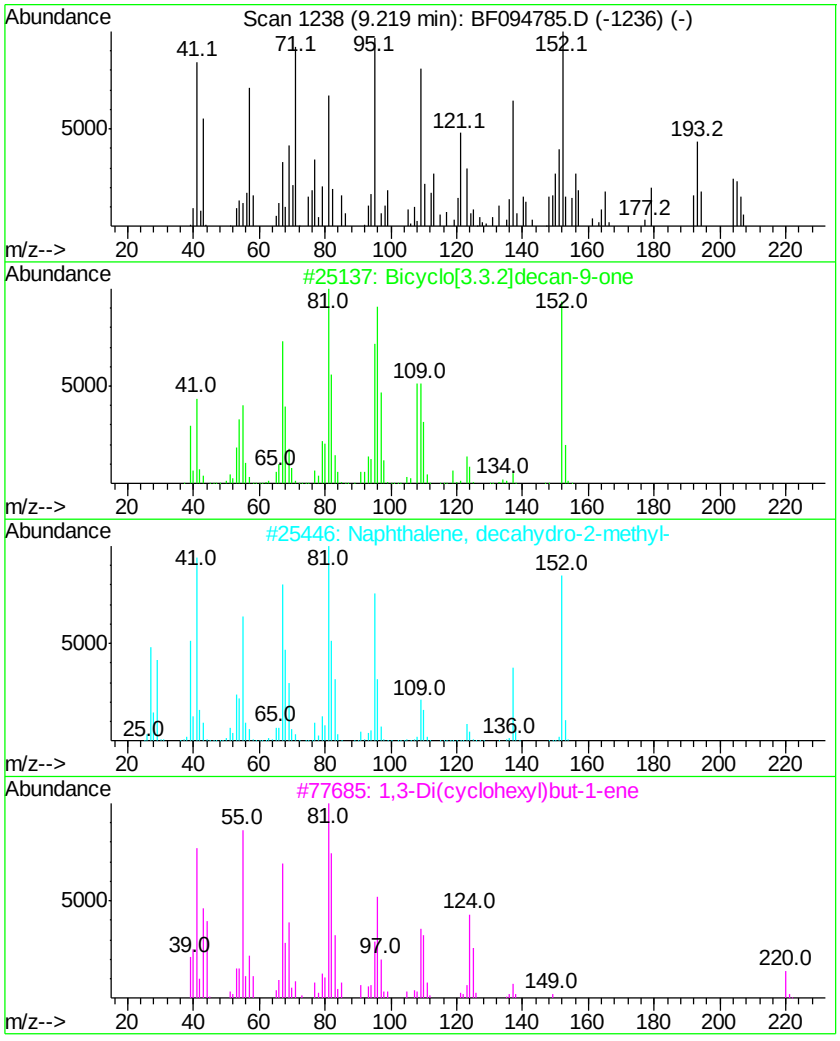
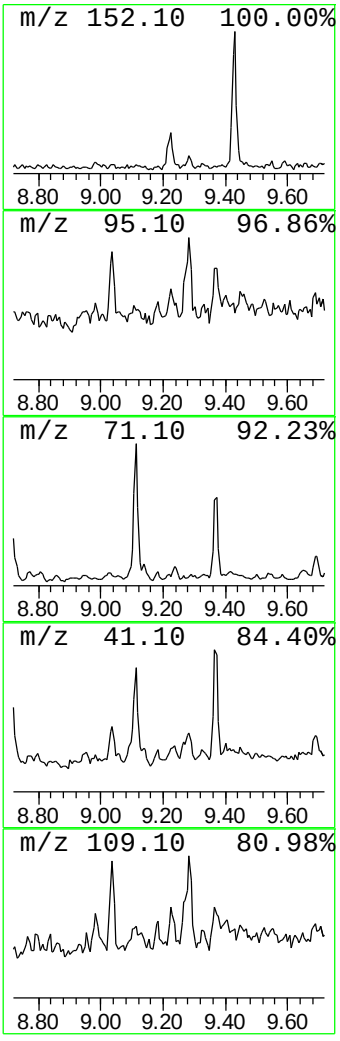
Peak Number 7 unknown9.22 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	3.47 ng	106990	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	45
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	45
3	1,3-Di(cyclohexyl)but-1-ene	220	C16H28	1000214-97-4	43
4	1-Pentadecyne	208	C15H28	000765-13-9	38
5	1(2H)-Naphthalenone, octahydro-,...	152	C10H16O	021370-71-8	30





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Data File : BF094785.D
Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
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Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

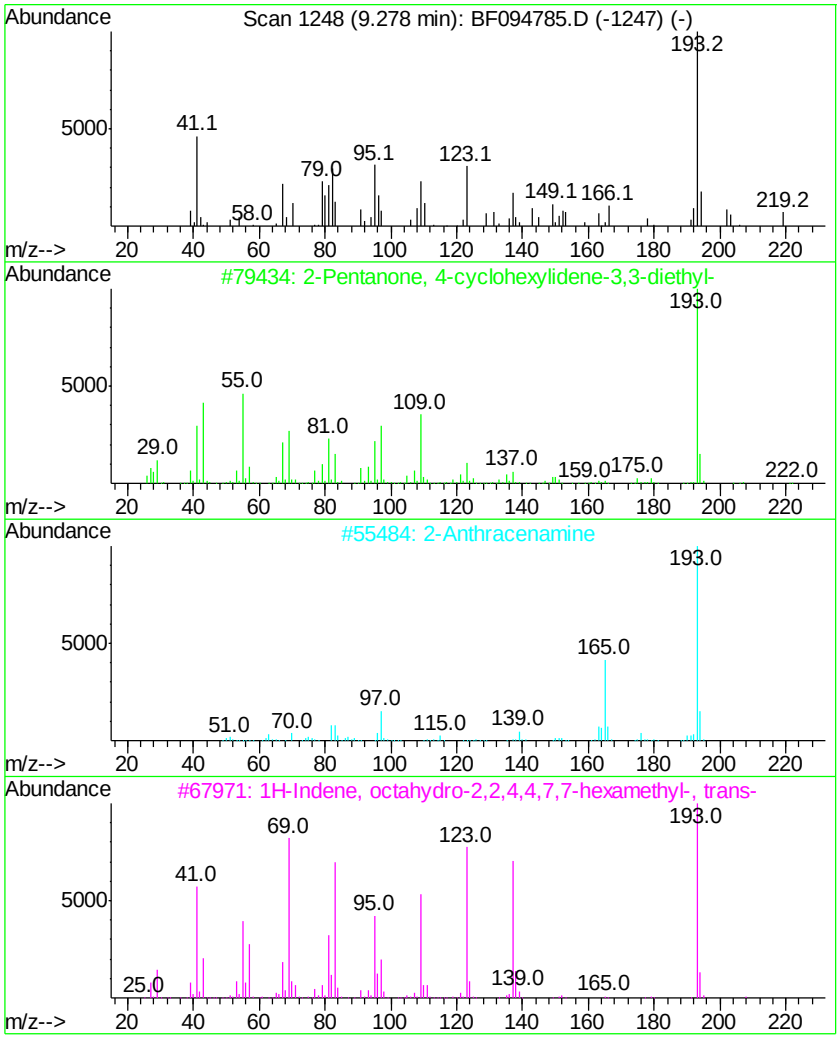
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

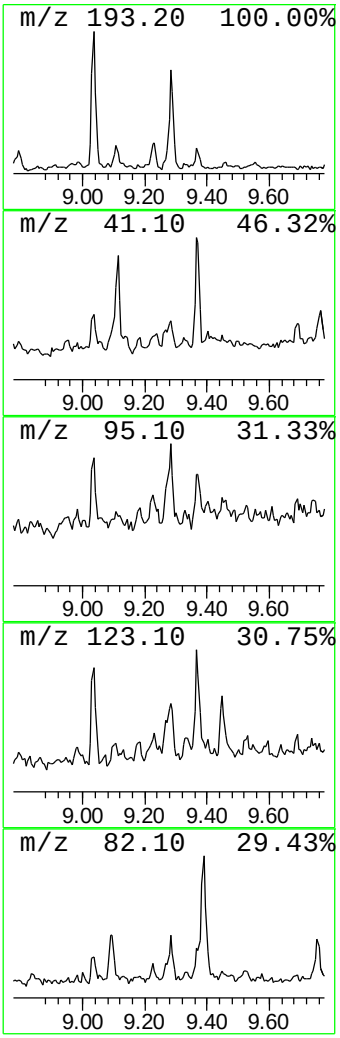
****

Peak Number 8 2-Pentanone, 4-cyclohexylid... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	3.65 ng	112536	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	64
2	2-Anthracenamine	193	C14H11N	000613-13-8	43
3	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	42
4	Acridine, 9-methyl-	193	C14H11N	000611-64-3	38
5	S-Phenyl 5-(phenylthio)pentaneth...	302	C17H18OS2	1000234-40-7	38





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Data File : BF094785.D
Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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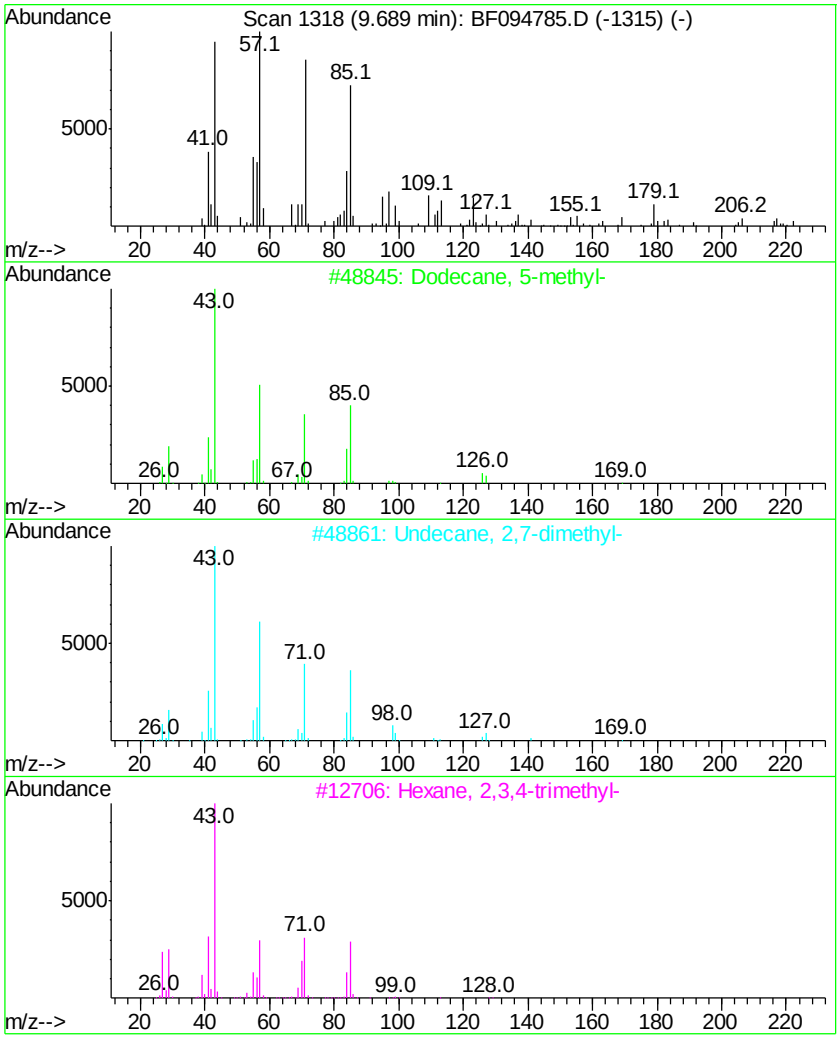
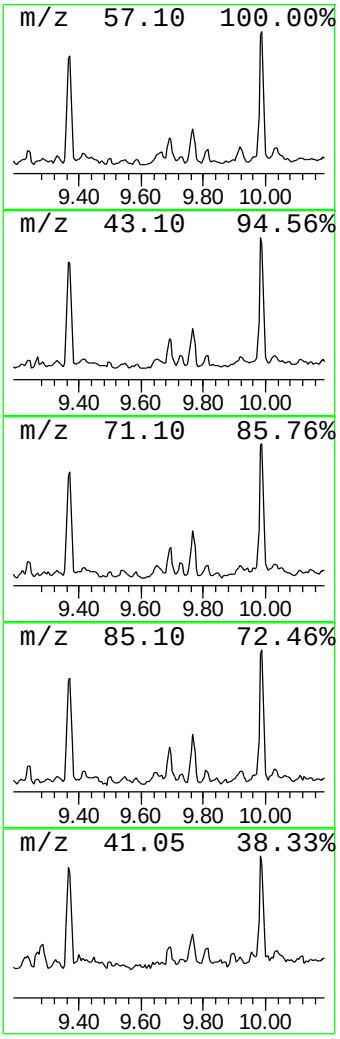
Peak Number 9 Dodecane, 5-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	3.58 ng	110286	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 5-methyl-	184	C13H28	017453-93-9	58
2	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	53
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	52
4	Tetradecane	198	C14H30	000629-59-4	50
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094785.D
Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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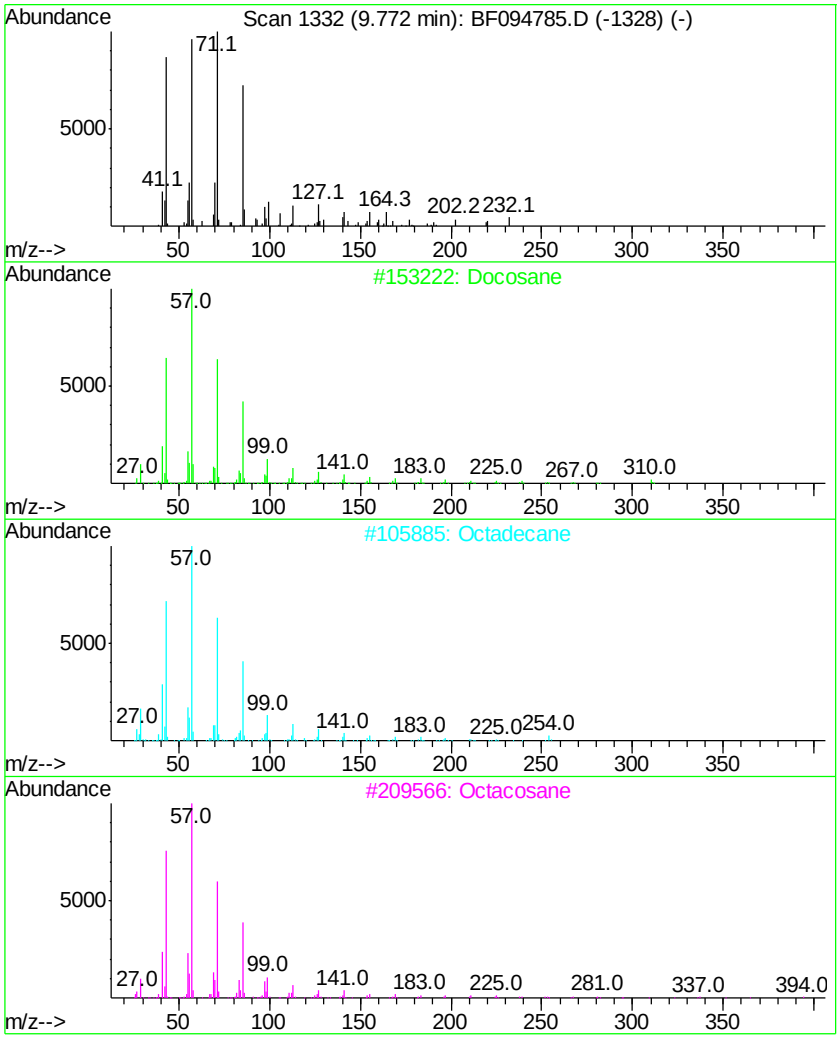
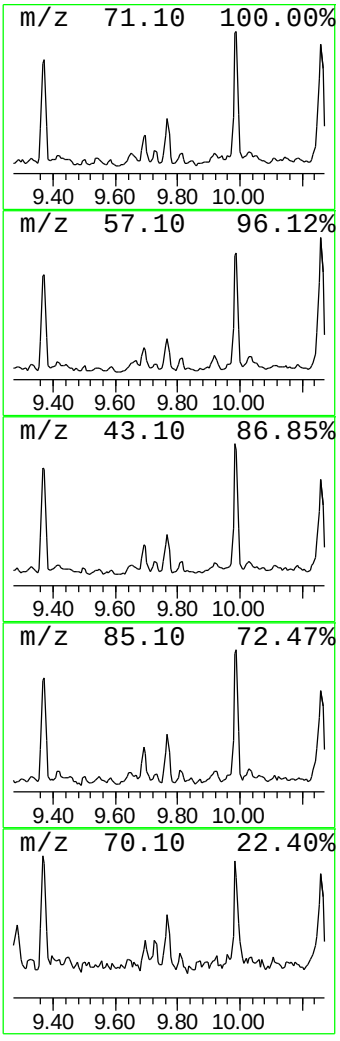
Peak Number 10 Docosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	3.48 ng	107280	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	80
2	Octadecane	254	C18H38	000593-45-3	59
3	Octacosane	394	C28H58	000630-02-4	59
4	Eicosane	282	C20H42	000112-95-8	58
5	Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	50





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Data File : BF094785.D
Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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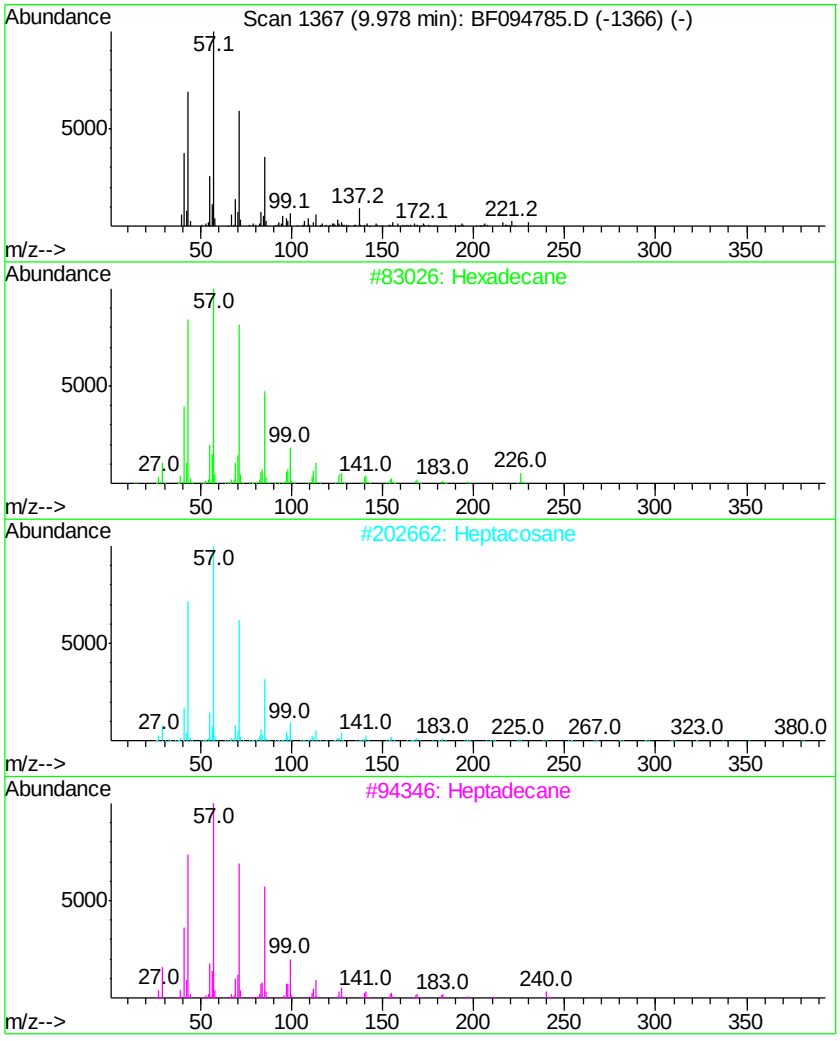
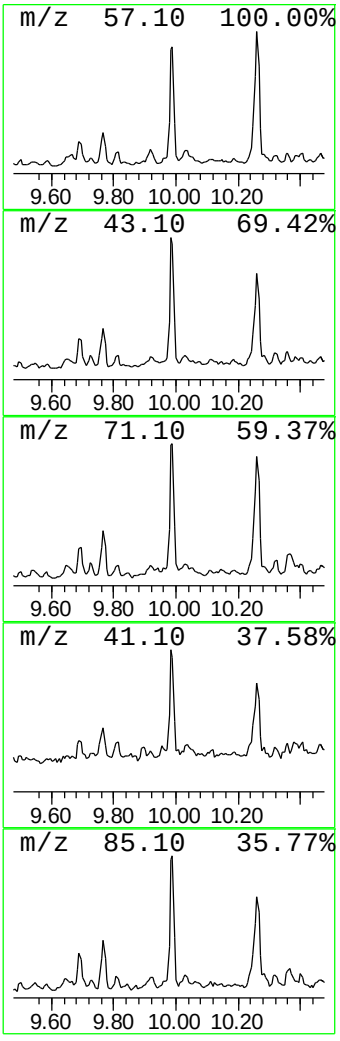
Peak Number 11 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.98	11.19 ng	344929	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Heptacosane	380	C27H56	000593-49-7	90
3	Heptadecane	240	C17H36	000629-78-7	90
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
5	Heneicosane	296	C21H44	000629-94-7	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094785.D
Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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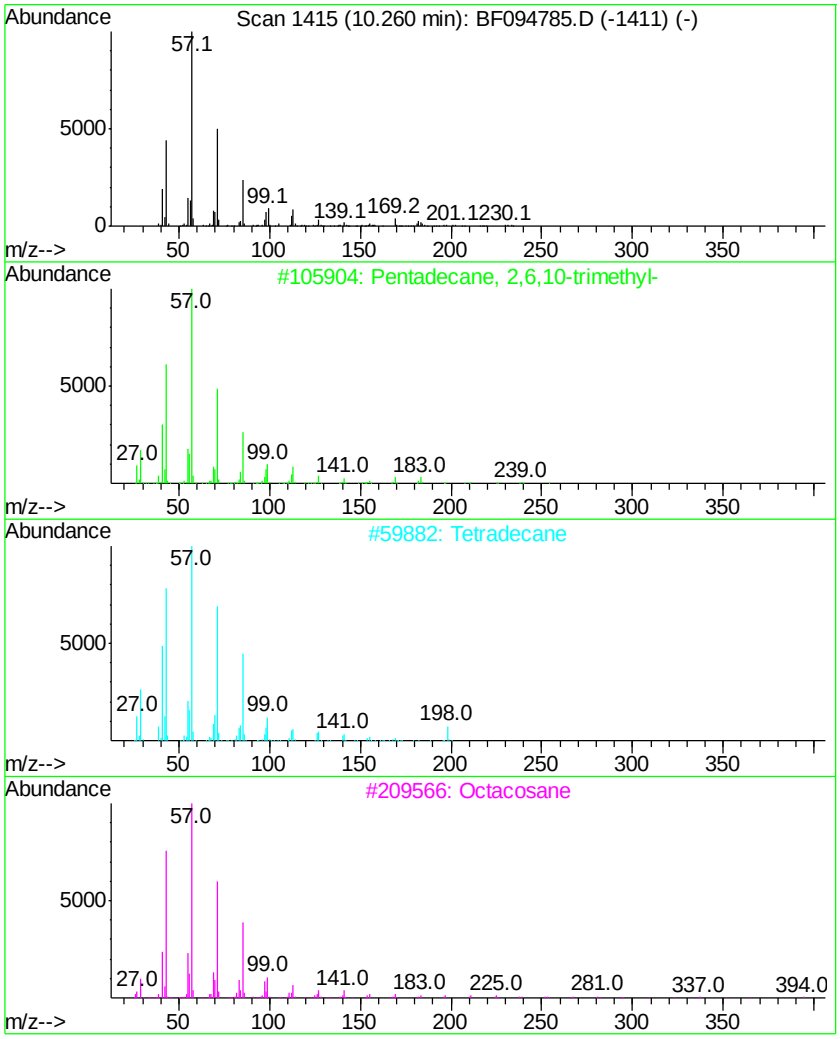
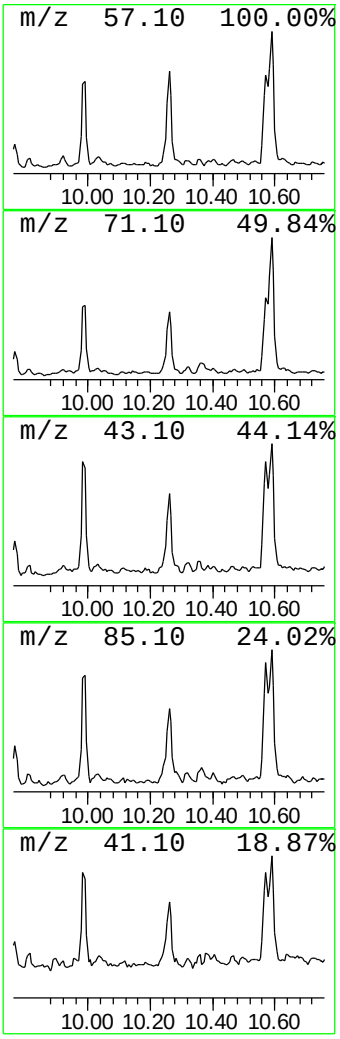
Peak Number 12 Pentadecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	15.22 ng	469202	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2	Tetradecane	198	C14H30	000629-59-4	72
3	Octacosane	394	C28H58	000630-02-4	72
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094785.D
Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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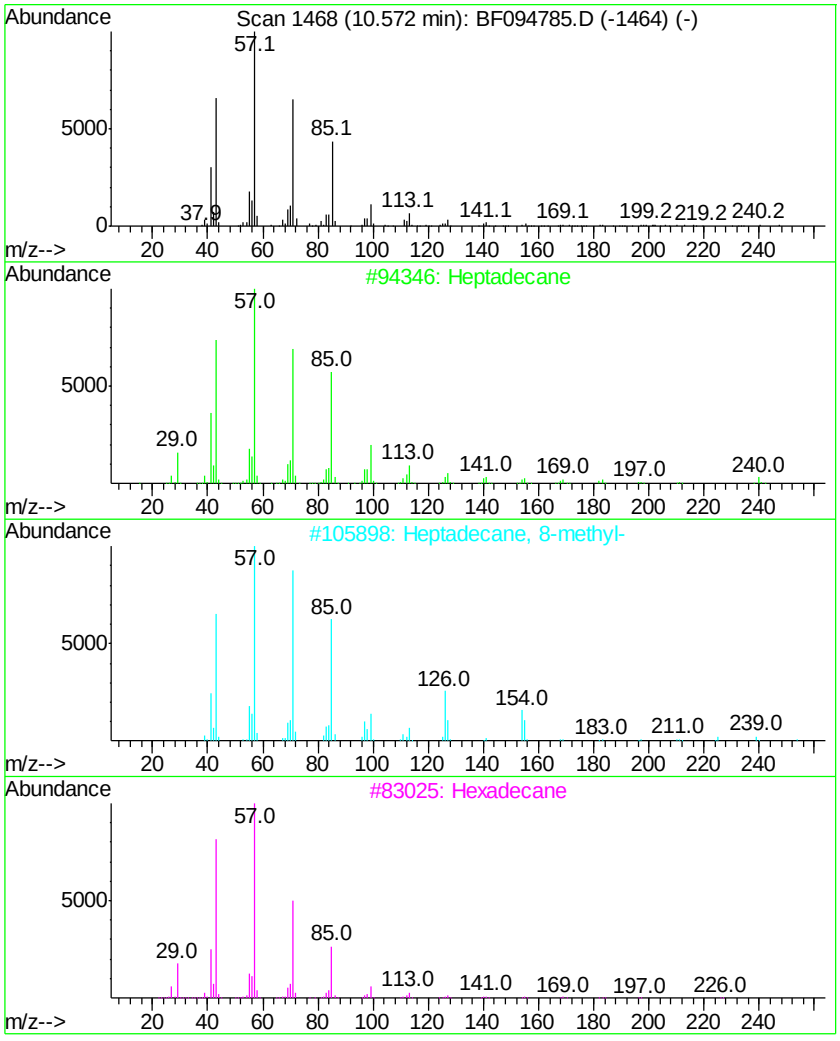
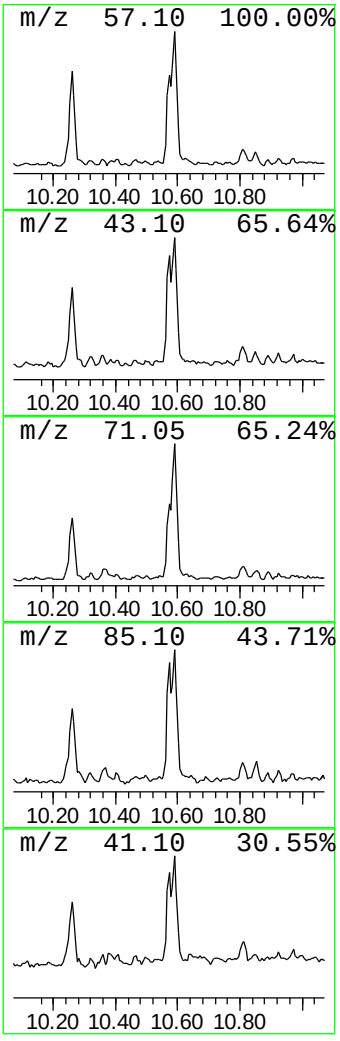
Peak Number 13 Heptadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	12.36 ng	371837	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Tridecane	184	C13H28	000629-50-5	90
5	9-methylheptadecane	254	C18H38	026741-18-4	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094785.D
Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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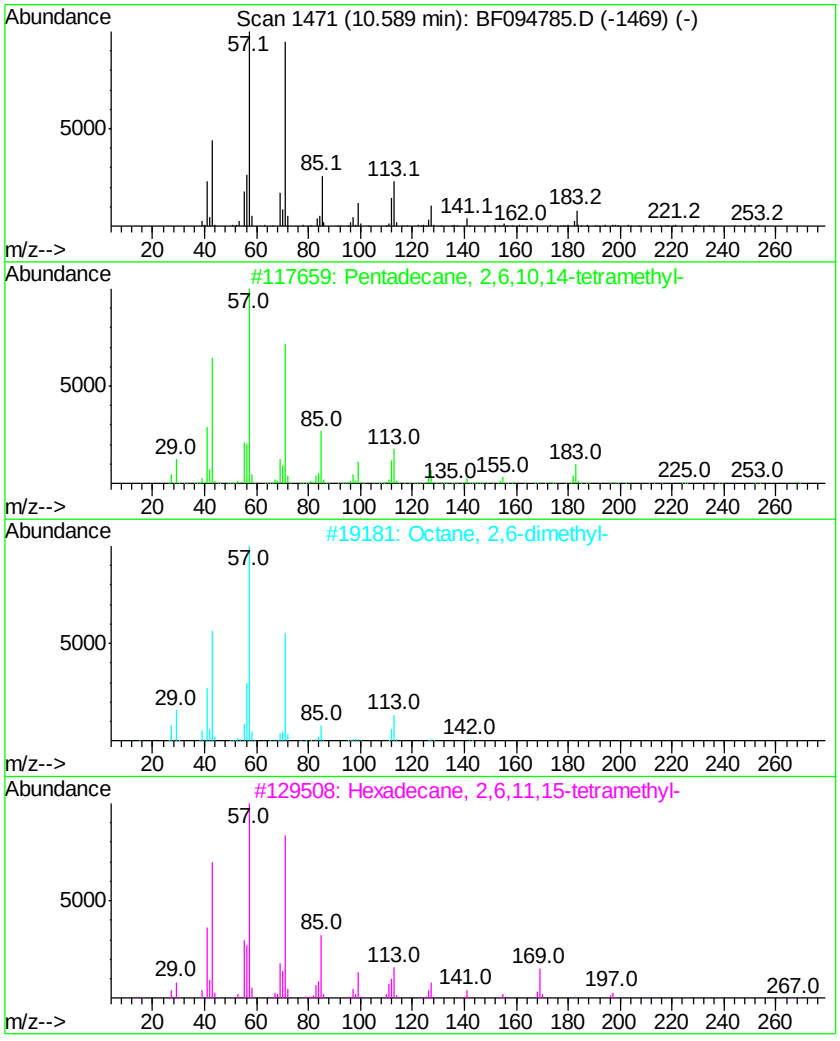
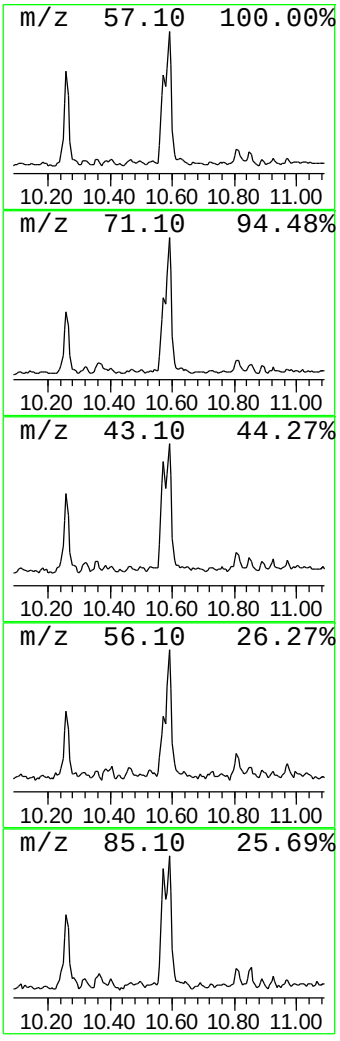
Peak Number 14 Pentadecane, 2,6,10,14-tetr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	17.91 ng	538703	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	81
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	78
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
5	Sulfurous acid, 2-ethylhexyl pen...	404	C23H48O3S	1000309-19-8	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094785.D
Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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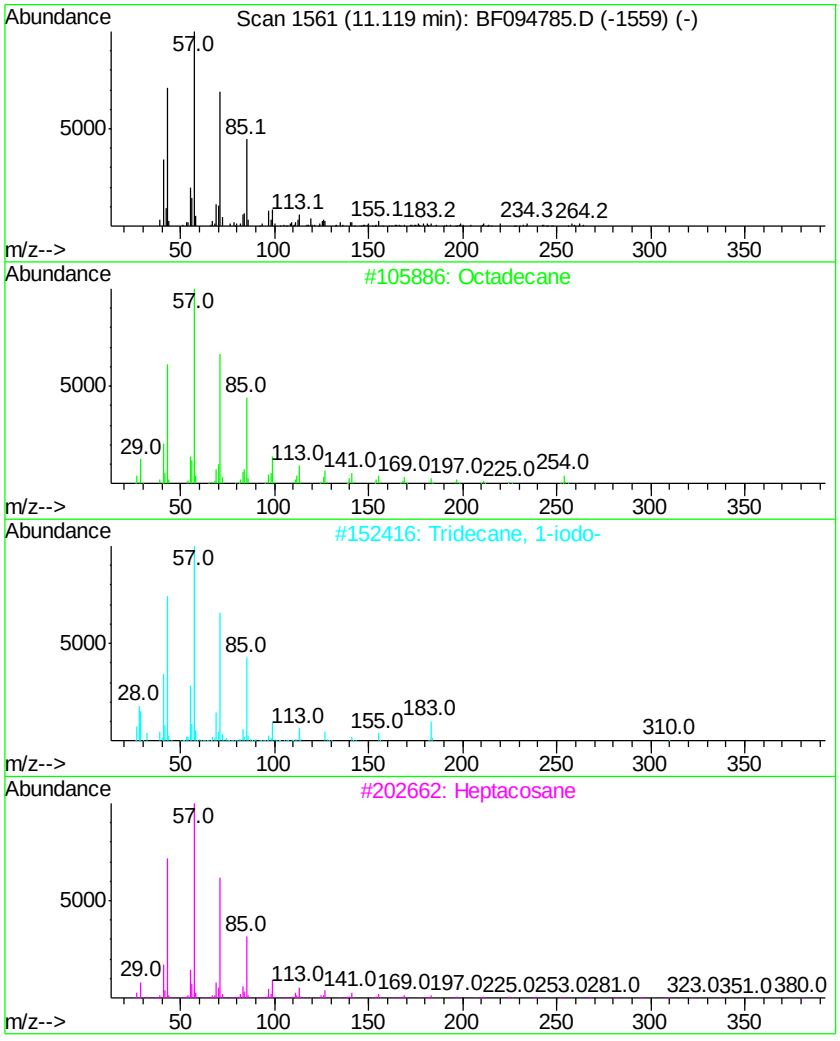
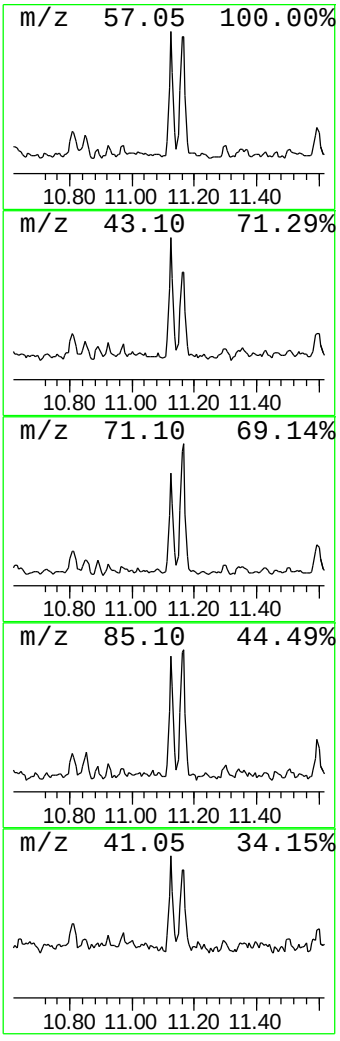
Peak Number 15 Octadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	9.53 ng	286551	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
3	Heptacosane	380	C27H56	000593-49-7	91
4	Heneicosane	296	C21H44	000629-94-7	90
5	Nonadecane	268	C19H40	000629-92-5	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
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Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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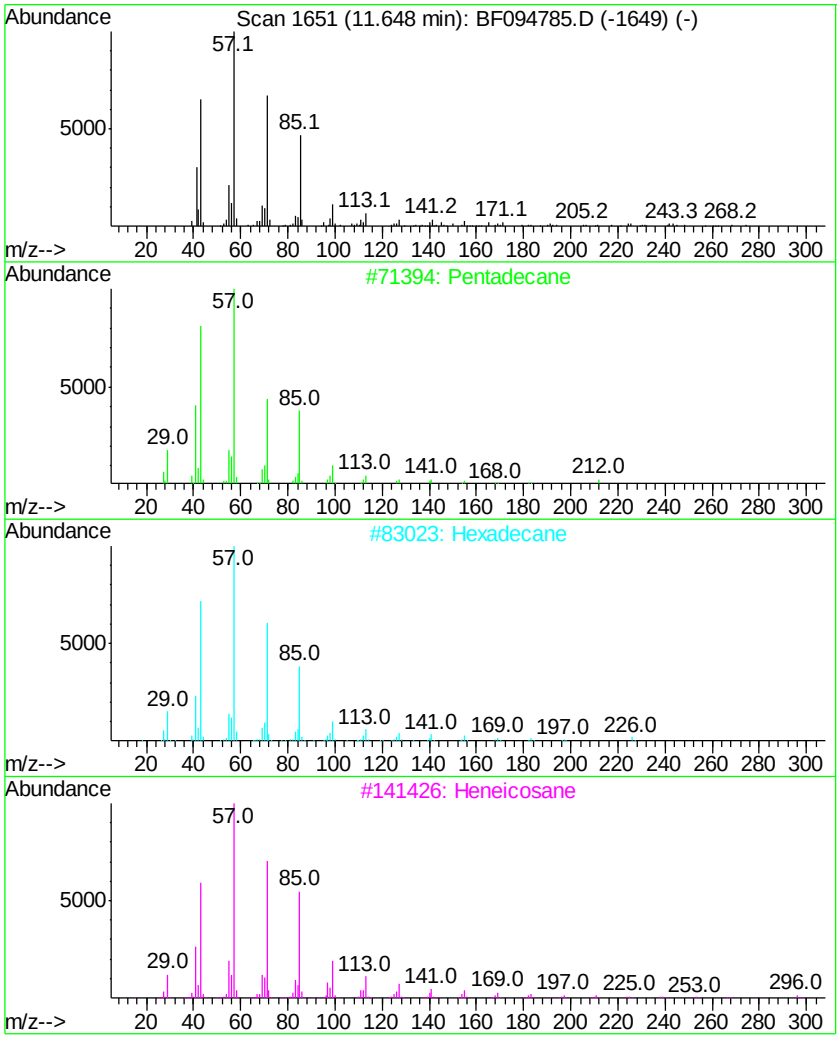
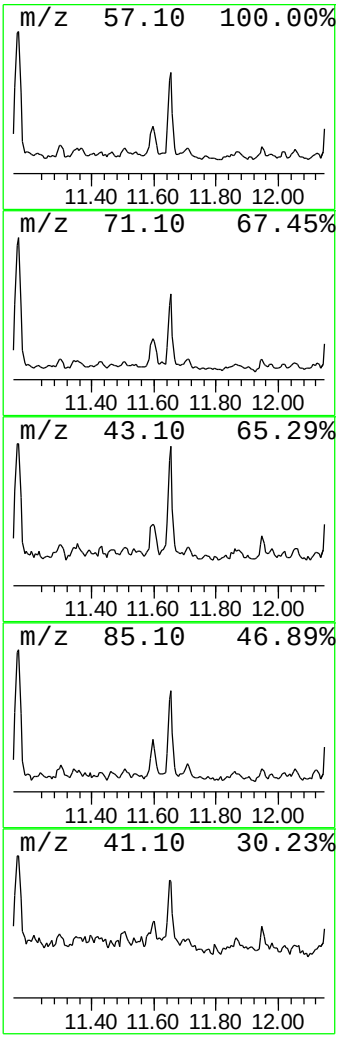
Peak Number 16 Pentadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	6.61 ng	198707	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	89
2	Hexadecane	226	C16H34	000544-76-3	86
3	Heneicosane	296	C21H44	000629-94-7	83
4	Heptadecane	240	C17H36	000629-78-7	80
5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	72





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Data File : BF094785.D
Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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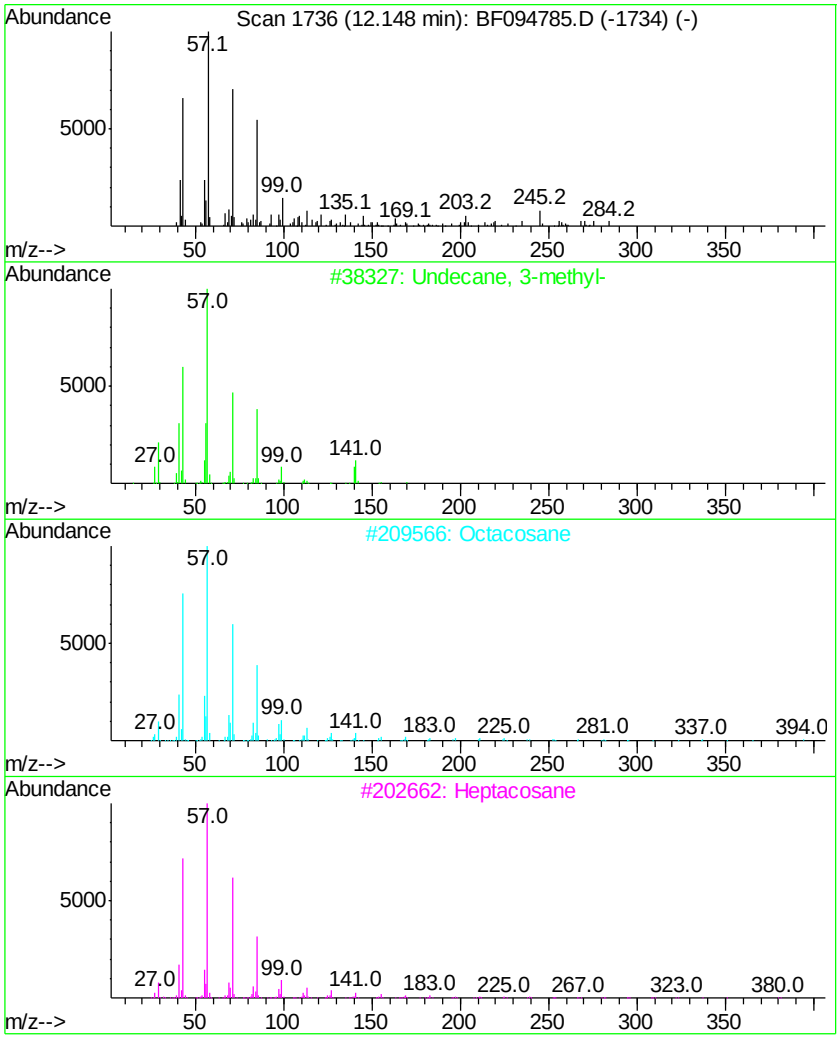
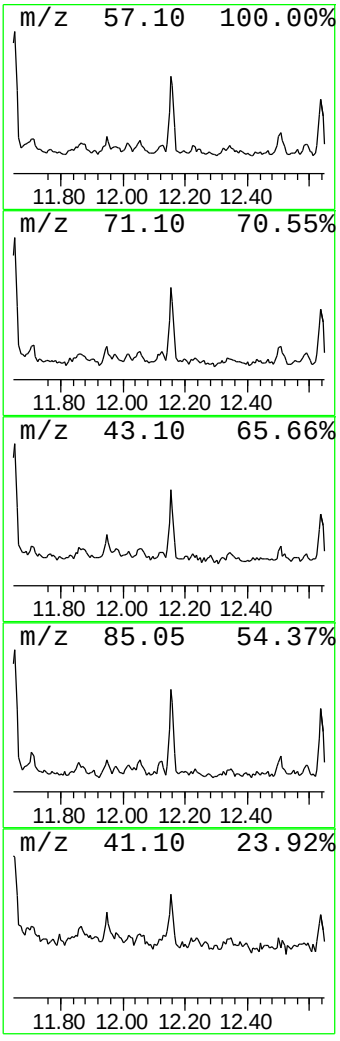
Peak Number 17 Undecane, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	5.59 ng	168083	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	80
2	Octacosane	394	C28H58	000630-02-4	58
3	Heptacosane	380	C27H56	000593-49-7	58
4	Decane, 5-propyl-	184	C13H28	017312-62-8	58
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094785.D
Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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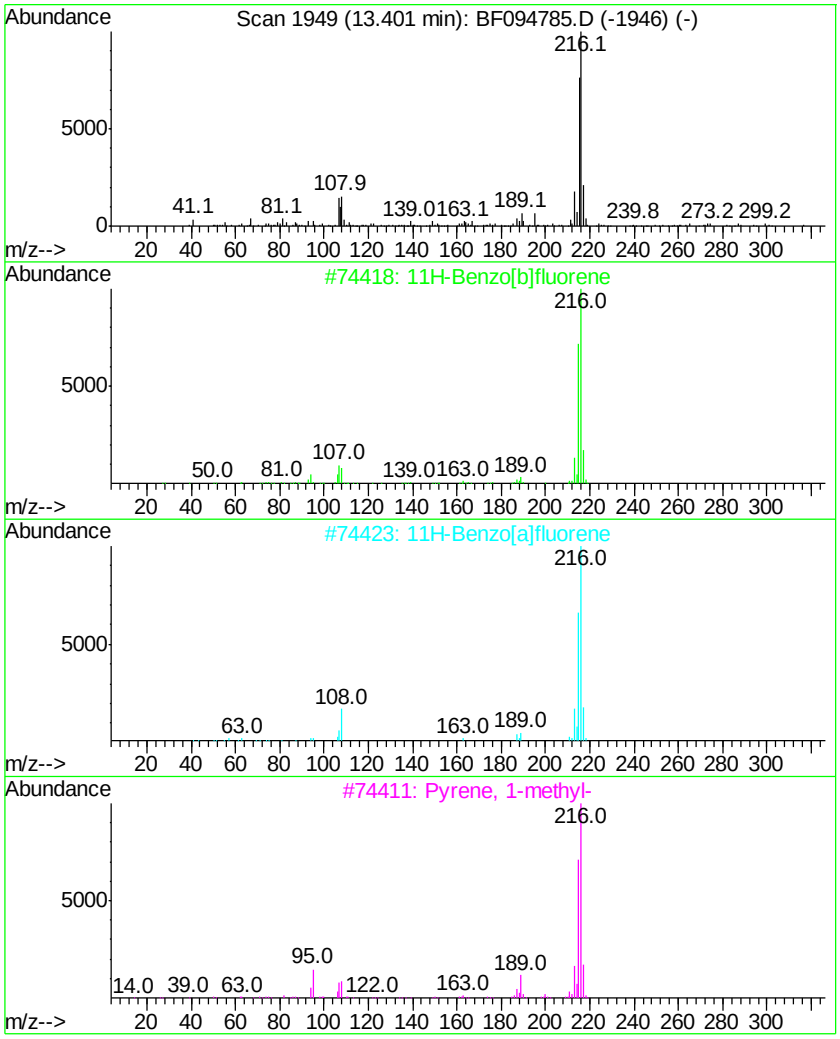
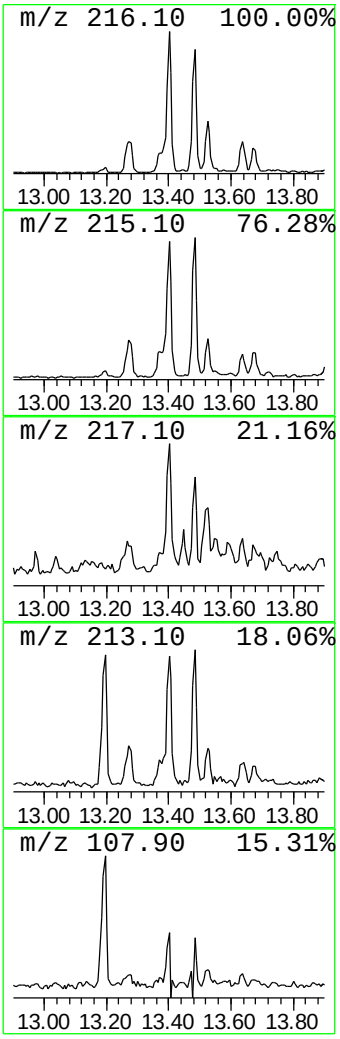
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	4.45 ng	211016	Chrysene-d12	14.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094785.D
Acq On : 2 May 2017 8:13
Operator : SJ/MA
Sample : I2892-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-S(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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...	3.93	21.3	ng	566314	1	5.77	532872	20.0
unknown5.52	5.52	112.2	ng	2990320	1	5.77	532872	20.0
Octane, 3,6-dimet...	7.81	6.9	ng	273309	2	7.25	791641	20.0
Tetradecane	8.72	6.0	ng	184856	3	9.39	616646	20.0
unknown9.22	9.22	3.5	ng	106990	3	9.39	616646	20.0
2-Pentanone, 4-cy...	9.28	3.6	ng	112536	3	9.39	616646	20.0
Dodecane, 5-methyl-	9.69	3.6	ng	110286	3	9.39	616646	20.0
Docosane	9.77	3.5	ng	107280	3	9.39	616646	20.0
Hexadecane	9.98	11.2	ng	344929	3	9.39	616646	20.0
Pentadecane, 2,6,...	10.26	15.2	ng	469202	3	9.39	616646	20.0
Heptadecane	10.57	12.4	ng	371837	4	11.21	601542	20.0
Pentadecane, 2,6,...	10.59	17.9	ng	538703	4	11.21	601542	20.0
Octadecane	11.12	9.5	ng	286551	4	11.21	601542	20.0
Pentadecane	11.65	6.6	ng	198707	4	11.21	601542	20.0
Undecane, 3-methyl-	12.15	5.6	ng	168083	4	11.21	601542	20.0
11H-Benzo[b]fluorene	13.40	4.5	ng	211016	5	14.47	949271	20.0