LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091440.D
Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-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-BF112916.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	5.030	237	240	244	rBV	550008	656421	14.63%	1.096%
2	5.453	274	277	279	rBV	2376102	2318587	51.69%	3.871%
3	5.887	309	315	317	rBV	48645	68197	1.52%	0.114%
4	6.150	337	338	343	rBV2	29703	57076	1.27%	0.095%
5	6.356	353	356	357	rBV	81600	92971	2.07%	0.155%
6	6.447	363	364	365	rBV	57428	51358	1.14%	0.086%
7	6.481	365	367	370	rVB	1585457	1589015	35.42%	2.653%
8	6.619	376	379	381	rBV	3814146	3617605	80.65%	6.041%
9	6.687	384	385	391	rVB	82823	110905	2.47%	0.185%
10	6.801	391	395	397	rBV3	26135	70530	1.57%	0.118%
11	6.847	397	399	401	rBV	1170497	1050601	23.42%	1.754%
12	6.881	401	402	403	rVV	287050	208152	4.64%	0.348%
13	6.916	403	405	410	rVB3	55338	67826	1.51%	0.113%
14	7.007	410	413	415	rBV	3603595	3363503	74.98%	5.616%
15	7.133	420	424	426	rVB2	65793	102202	2.28%	0.171%
16	7.201	426	430	432	rVB3	73382	179138	3.99%	0.299%
17	7.247	432	434	438	rBV3	126602	266146	5.93%	0.444%
18	7.362	442	444	445	rBV	49271	58372	1.30%	0.097%
19	7.419	445	449	451	rBV	2603621	3267325	72.84%	5.456%
20	7.453	451	452	454	rVB2	151602	148267	3.31%	0.248%
21	7.499	454	456	458	rBV3	95518	153709	3.43%	0.257%
22	7.533	458	459	460	rBV	50334	51387	1.15%	0.086%
23	7.624	465	467	468	rVB	80942	68295	1.52%	0.114%
24	7.670	468	471	473	rVB2	68263	111811	2.49%	0.187%
25	7.762	476	479	481	rBV3	110992	221669	4.94%	0.370%
26	7.819	483	484	486	rVB	104831	128976	2.88%	0.215%
27	7.876	486	489	490	rBV3	209949	339315	7.56%	0.567%
28	7.967	493	497	499	rVB5	89762	258774	5.77%	0.432%
29	8.013	499	501	503	rBV3	55400	109968	2.45%	0.184%
30	8.047	503	504	505	rBV	66912	75339	1.68%	0.126%
31	8.082	505	507	509	rBV3	32892	63713	1.42%	0.106%
32	8.139	509	512	513	rBV	1198769	1415653	31.56%	2.364%
33	8.207	515	518	519	rVB2	237277	297719	6.64%	0.497%
34	8.242	519	521	524	rBV3	172890	346877	7.73%	0.579%

LSC Area Percent Report

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Data File : BF091440.D
Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-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-BF112916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.310	524	527	528	rBV3	142482	208974	4.66%	0.349%
36	8.367	528	532	533	rBV4	201160	414362	9.24%	0.692%
37	8.402	533	535	537	rVB3	146807	220705	4.92%	0.369%
38	8.493	541	543	544	rBV2	167495	262750	5.86%	0.439%
39	8.516	544	545	548	rBV3	117310	259765	5.79%	0.434%
40	8.562	548	549	551	rBV	367951	498086	11.10%	0.832%
41	8.642	555	556	557	rBV	70687	54120	1.21%	0.090%
42	8.676	557	559	562	rVB3	177009	328102	7.31%	0.548%
43	8.767	562	567	568	rBV5	154435	402978	8.98%	0.673%
44	8.836	571	573	575	rBV2	239173	439433	9.80%	0.734%
45	8.950	579	583	585	rBV5	253470	602739	13.44%	1.006%
46	9.030	587	590	592	rVV3	202577	314978	7.02%	0.526%
47	9.133	598	599	600	rBV	152092	141662	3.16%	0.237%
48	9.167	600	602	604	rVB2	699545	614177	13.69%	1.026%
49	9.213	604	606	609	rVB	3959531	4485768	100.00%	7.490%
50	9.259	609	610	612	rBV	624293	525381	11.71%	0.877%
51	9.293	612	613	616	rBV3	276698	463387	10.33%	0.774%
52	9.476	626	629	632	rBV3	317493	566749	12.63%	0.946%
53	9.556	633	636	637	rVV2	407668	723010	16.12%	1.207%
54	9.625	639	642	643	rVB3	812050	1091598	24.33%	1.823%
55	9.670	643	646	648	rBV3	201388	535569	11.94%	0.894%
56	9.773	653	655	656	rBV	437407	482307	10.75%	0.805%
57	9.887	662	665	668	rBV	1466590	2155753	48.06%	3.600%
58	9.933	668	669	670	rVV	193236	161385	3.60%	0.269%
59	9.990	670	674	677	rVB4	558636	1289039	28.74%	2.152%
60	10.093	681	683	685	rBV	795757	776824	17.32%	1.297%
61	10.139	685	687	689	rVV3	370408	425245	9.48%	0.710%
62	10.208	691	693	695	rBV	1011221	1245133	27.76%	2.079%
63	10.436	711	713	714	rBV2	291918	292581	6.52%	0.489%
64	10.550	721	723	725	rVB	1291403	1282705	28.59%	2.142%
65	10.596	725	727	729	rBV3	309872	532225	11.86%	0.889%
66	10.688	732	735	737	rVV	2868432	3168971	70.65%	5.291%
67	10.722	737	738	741	rVB3	320131	469408	10.46%	0.784%
68	10.813	744	746	749	rBV2	1460277	2544205	56.72%	4.248%
69	10.882	750	752	753	rBV2	377025	377046	8.41%	0.630%
70	11.019	763	764	767	rVB3	446523	604363	13.47%	1.009%
71	11.282	785	787	791	rVB	924981	1110108	24.75%	1.854%

LSC Area Percent Report

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Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-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-BF112916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.373	794	795	799	rVB	1112373	1271871	28.35%	2.124%
73	11.933	842	844	846	rVB	446936	502093	11.19%	0.838%
74	12.425	886	887	889	rBV	366128	362488	8.08%	0.605%
75	12.699	909	911	914	rVB2	554122	751181	16.75%	1.254%
76	12.871	924	926	928	rVV3	164791	263325	5.87%	0.440%
77	12.962	932	934	937	rVB	3578717	3586843	79.96%	5.989%
78	13.854	1010	1012	1016	rVB	165469	237393	5.29%	0.396%
79	14.002	1023	1025	1028	rVB	902971	866274	19.31%	1.446%
80	14.859	1098	1100	1105	rVB	54033	79189	1.77%	0.132%
81	15.431	1147	1150	1153	rBV	759023	909071	20.27%	1.518%

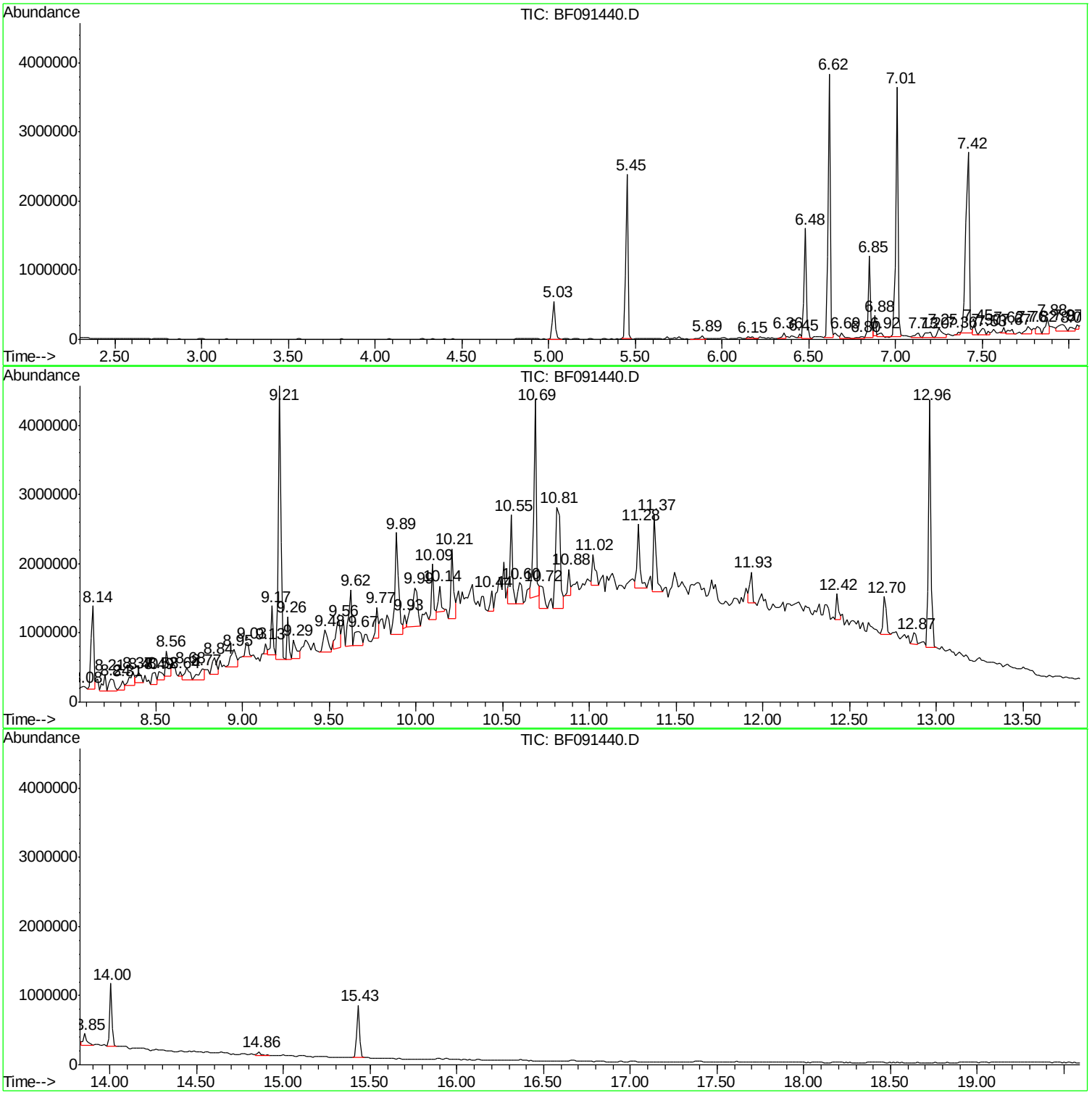
Sum of corrected areas: 59888721

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091440.D
Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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\BF120516\
Data File : BF091440.D
Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

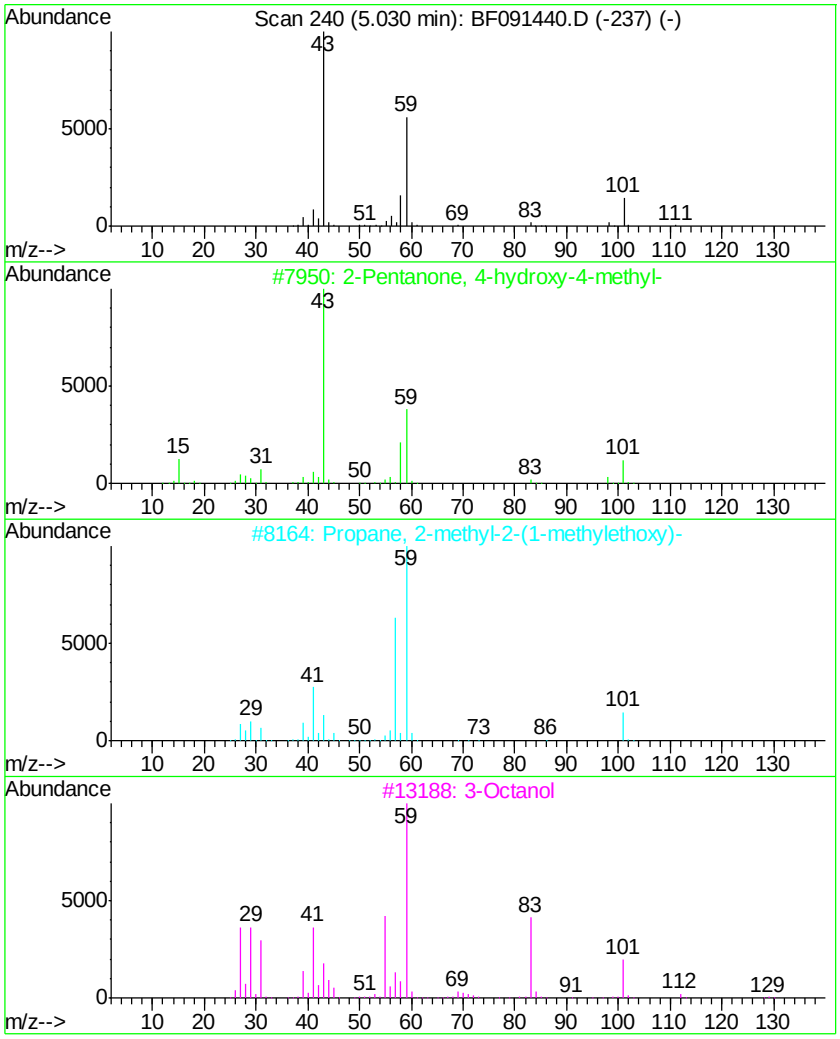
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

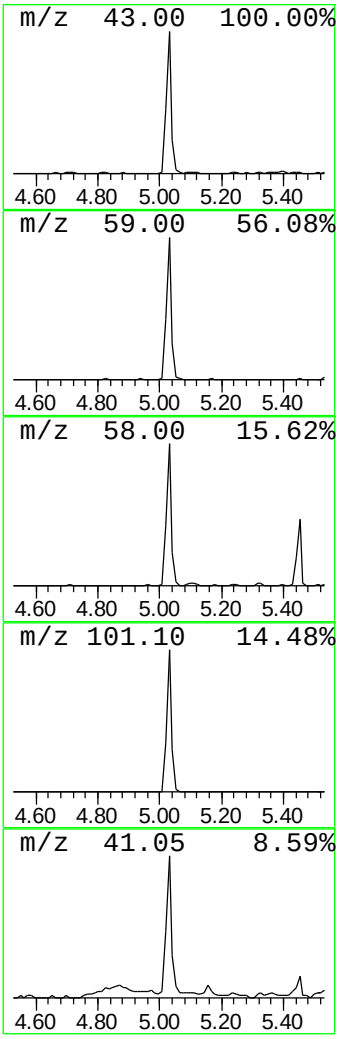
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	12.50 ng	656421	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Octanol	130	C8H18O	000589-98-0	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





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Data File : BF091440.D
Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

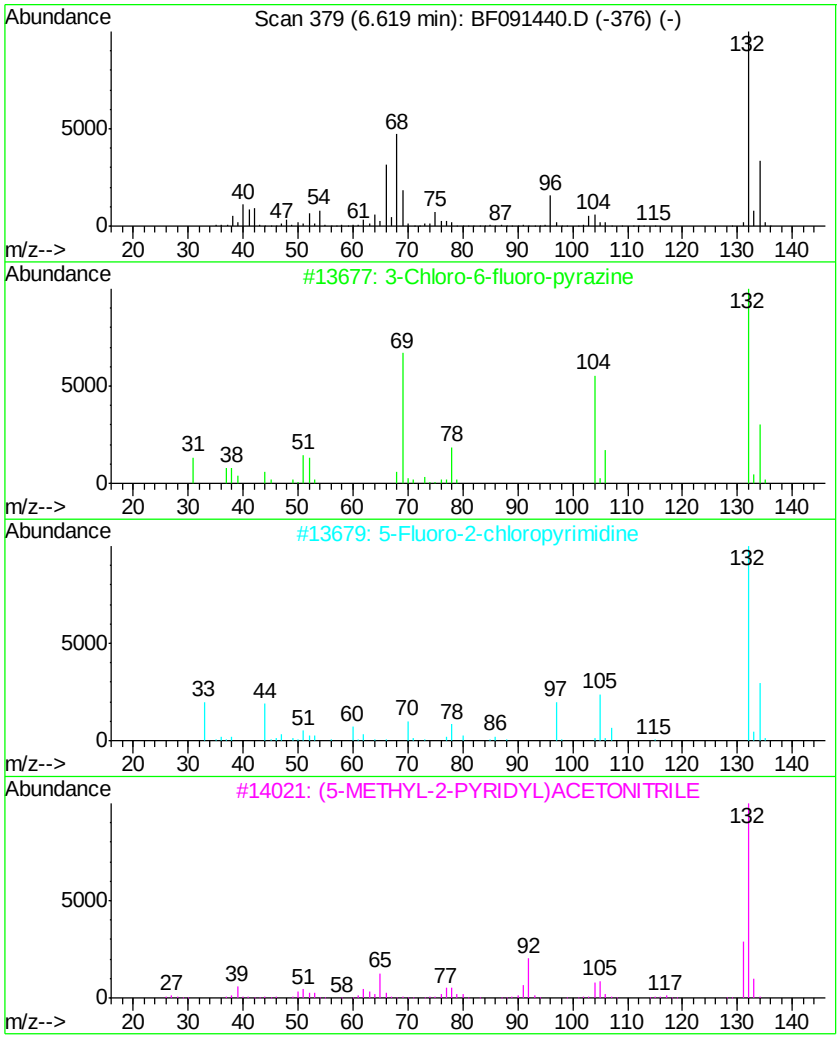
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

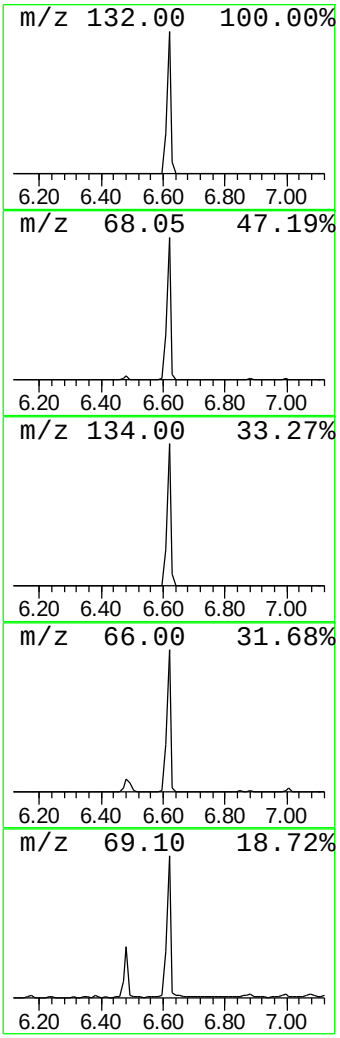
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	68.87 ng	3617610	1,4-Dichlorobenzene-d4	6.85

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-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	1,2,3-Trifluorobenzene	132	C6H3F3	001489-53-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091440.D
Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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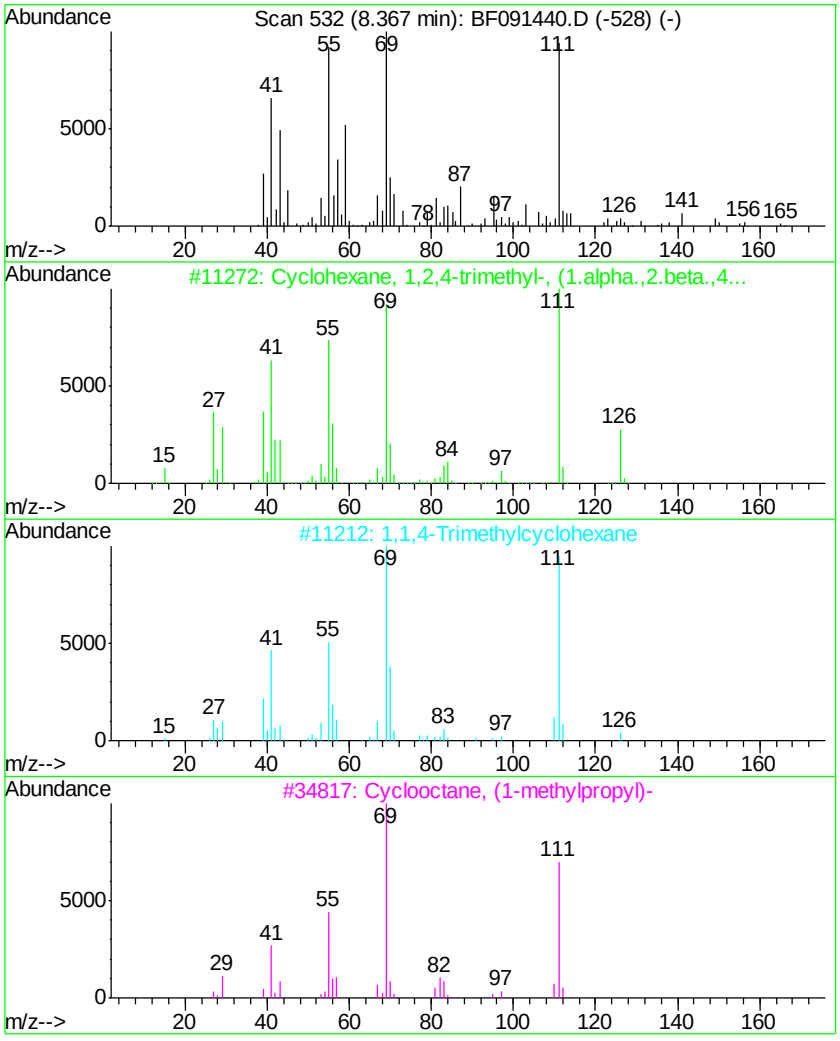
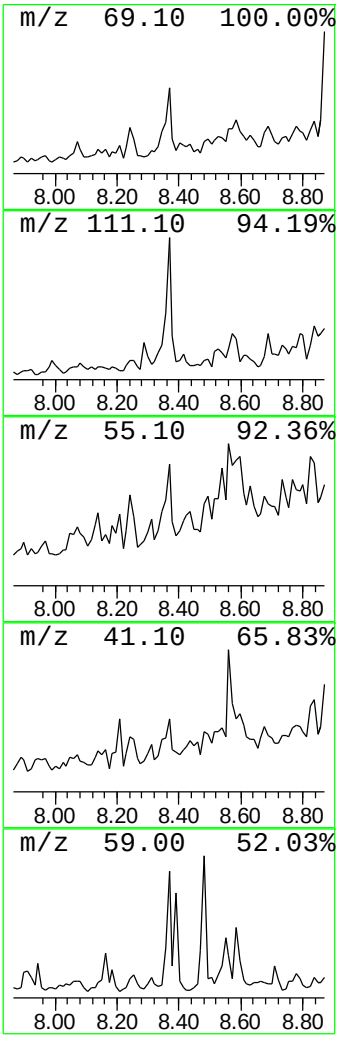
****

Peak Number 4 Cyclohexane, 1,2,4-trimethy... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	5.85 ng	414362	Naphthalene-d8	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	53
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	49
3	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	47
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	47
5	Cyclooctanemethanol	142	C9H18O	003637-63-6	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091440.D
Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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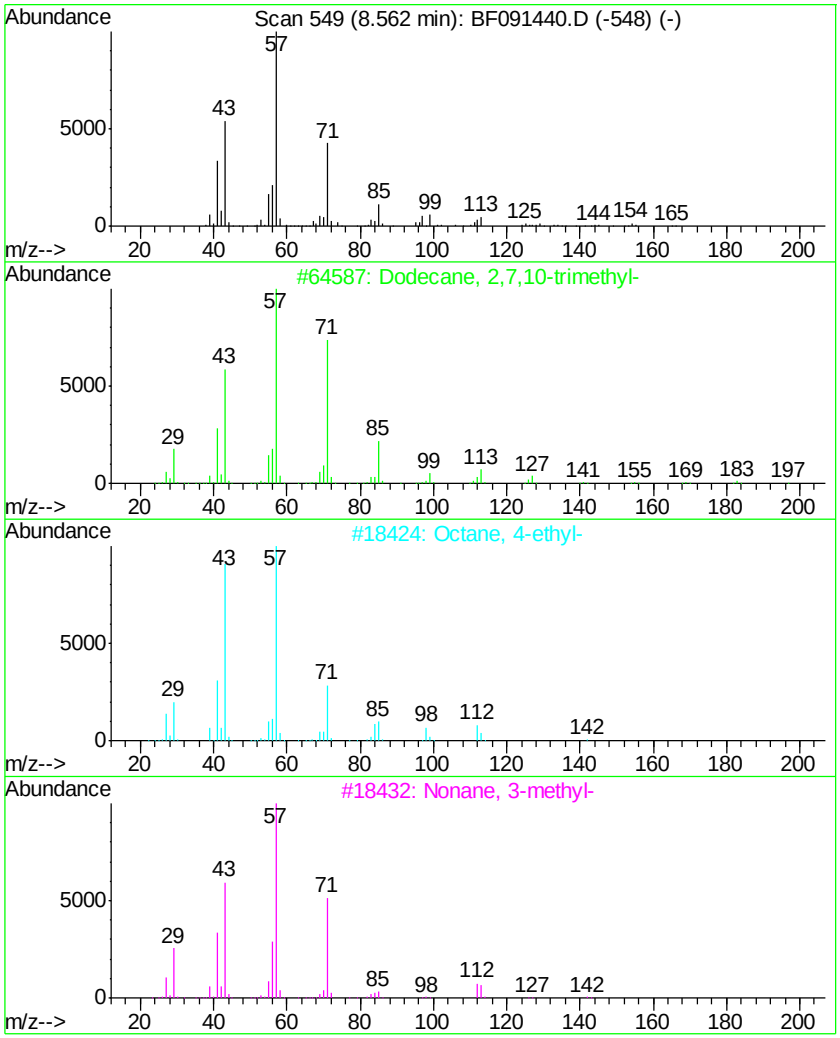
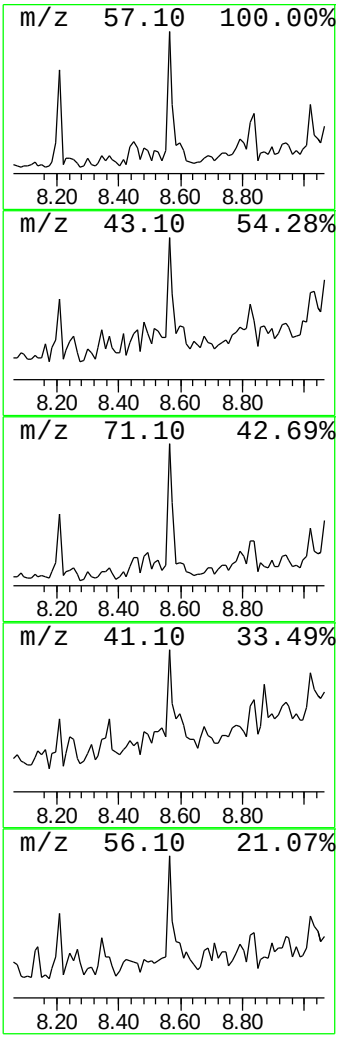
Peak Number 5 Dodecane, 2,7,10-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	7.04 ng	498086	Naphthalene-d8	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
2	Octane, 4-ethyl-	142	C10H22	015869-86-0	59
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	59
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53





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Data File : BF091440.D
Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

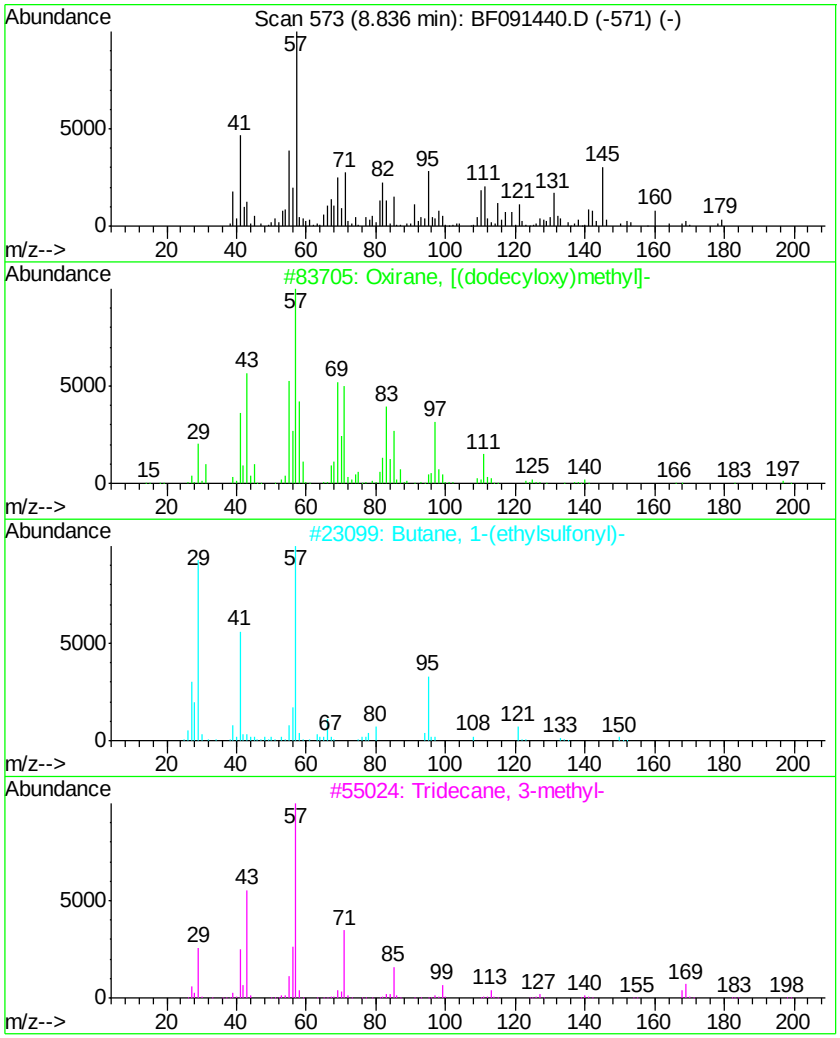
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

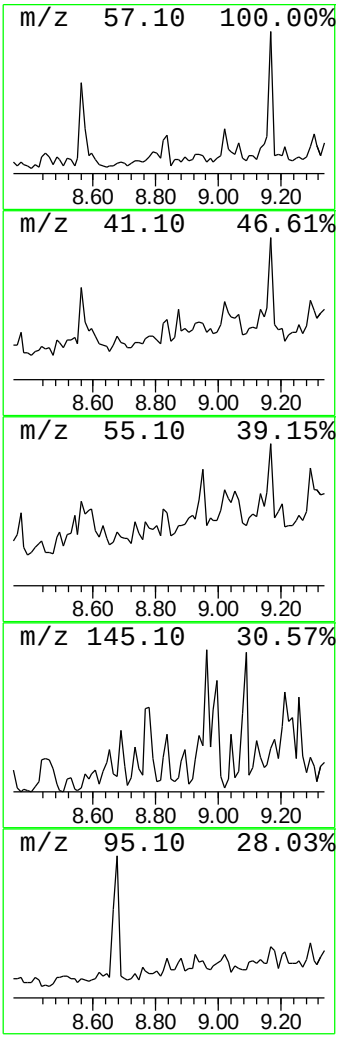
****

Peak Number 6 unknown8.84 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	6.21 ng	439433	Naphthalene-d8	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	14
2	Butane, 1-(ethylsulfonyl)-	150	C6H14O2S	031124-38-6	11
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	10
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	10
5	Cyclopentanol, 2-methyl-, cis-	100	C6H12O	025144-05-2	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091440.D
Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

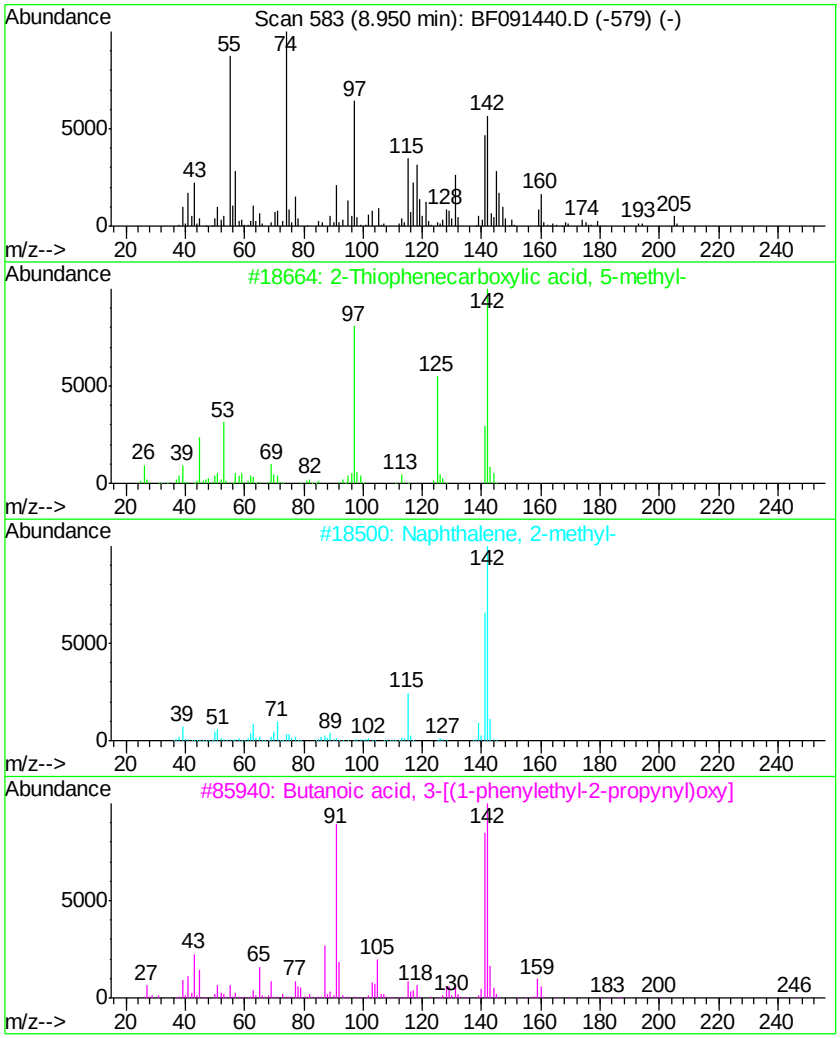
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

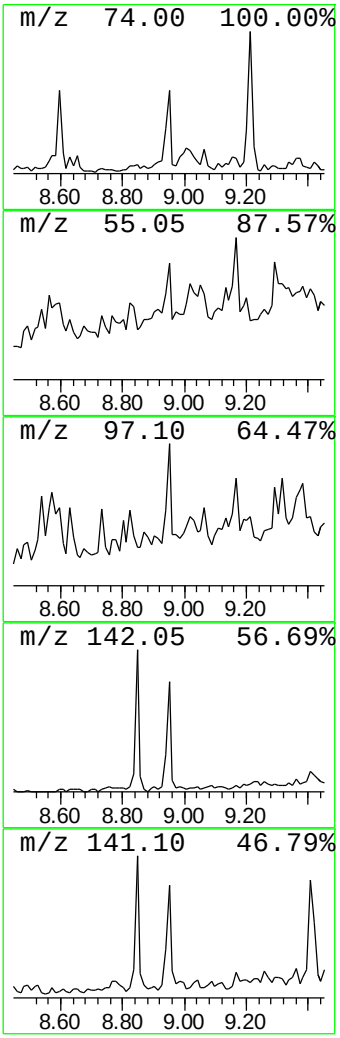
****

Peak Number 7 unknown8.95 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	8.52 ng	602739	Naphthalene-d8	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Thiophenecarboxylic acid, 5-me...	142	C6H6O2S	001918-79-2	18
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	15
3	Butanoic acid, 3-[(1-phenylethyl...	246	C15H18O3	1000196-79-9	14
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	11
5	2-Cyclopenten-1-ol, 1-phenyl-	160	C11H12O	056667-10-8	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091440.D
Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

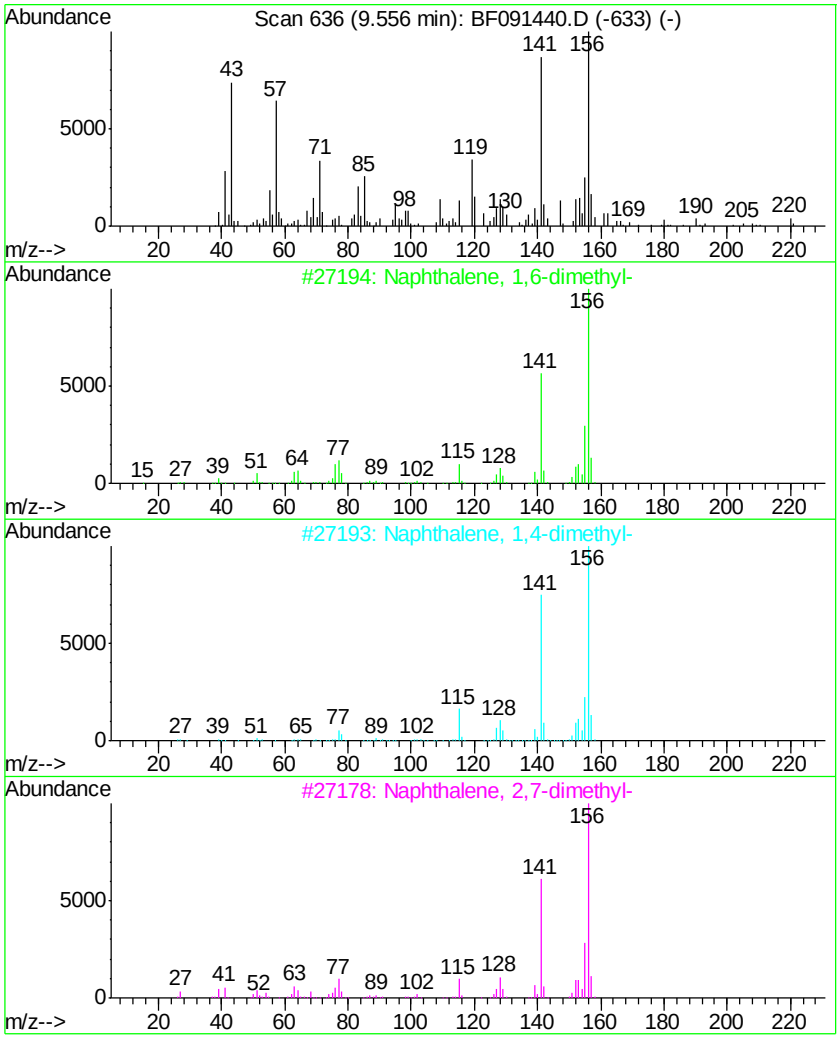
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

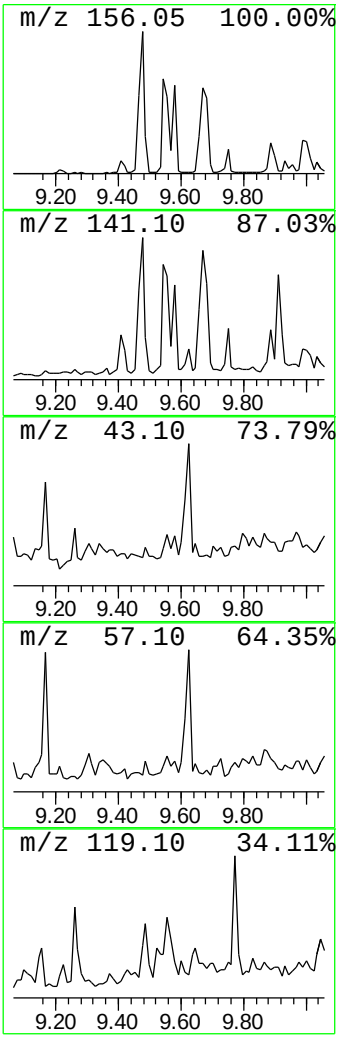
****

Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	6.71 ng	723010	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





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Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

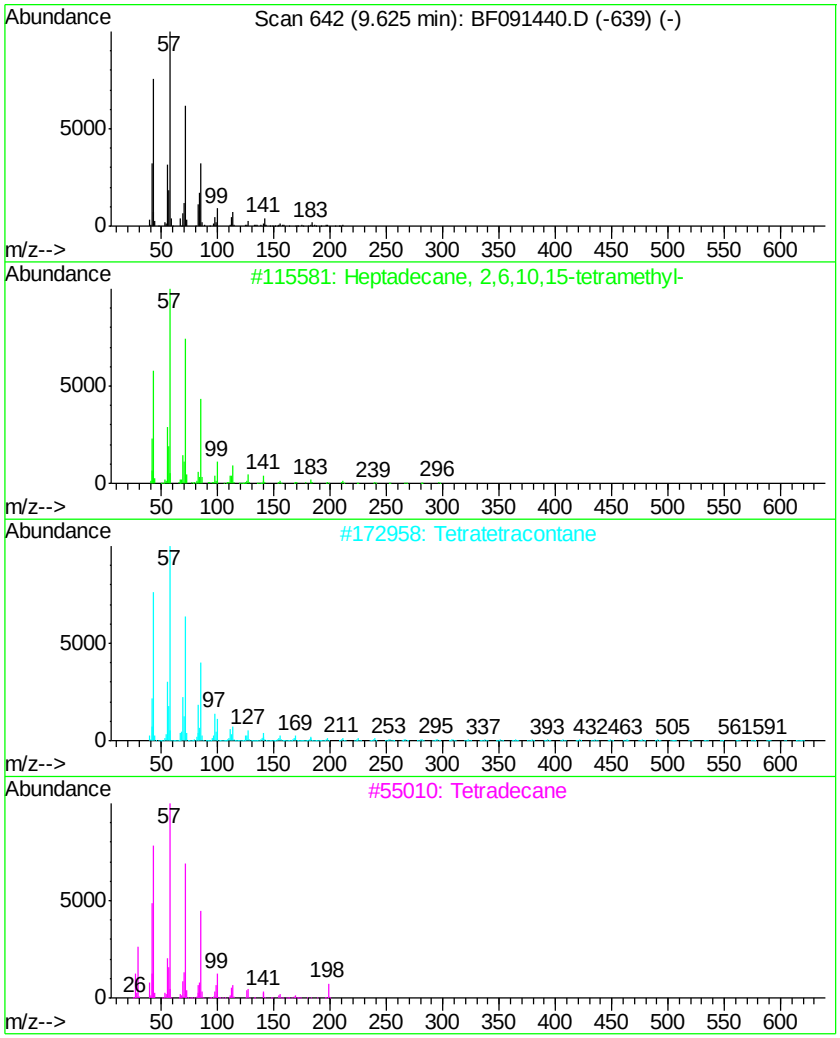
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

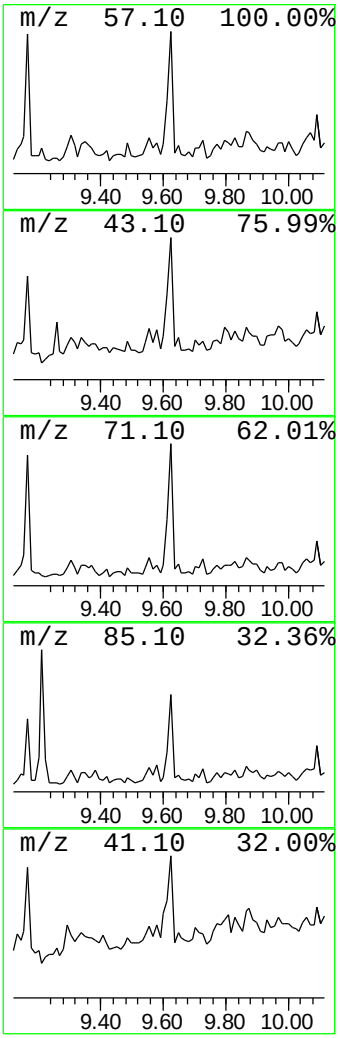
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Heptadecane, 2,6,10,15-tetr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	10.13 ng	1091600	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
2	Tetratetracontane	619	C44H90	007098-22-8	86
3	Tetradecane	198	C14H30	000629-59-4	78
4	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	76
5	Pentadecane	212	C15H32	000629-62-9	72





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Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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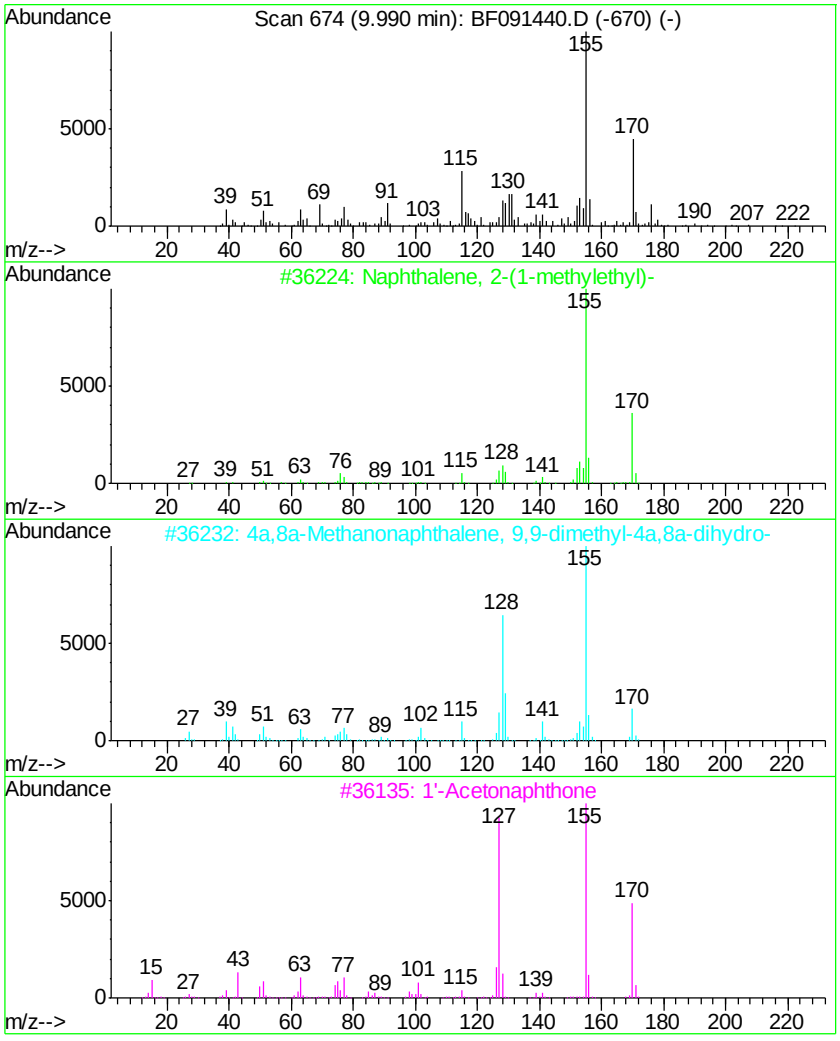
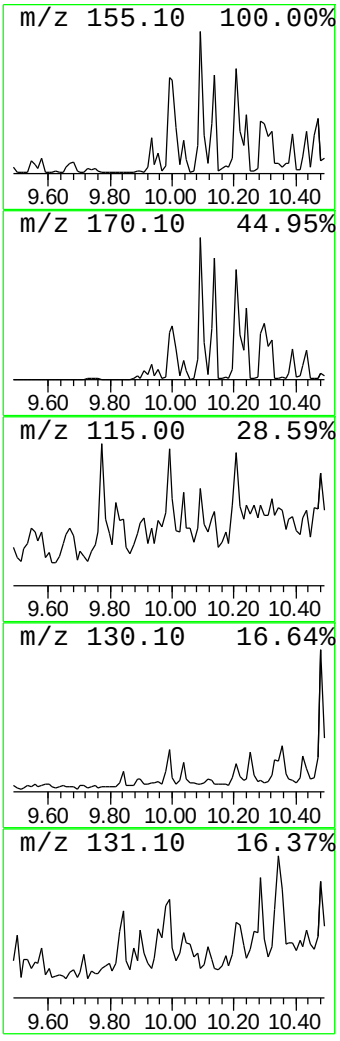
Peak Number 10 Naphthalene, 2-(1-methyleth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	11.96 ng	1289040	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	4a,8a-Methanonaphthalene, 9,9-di...	170	C13H14	038963-97-2	74
3	1'-Acetonaphthone	170	C12H10O	000941-98-0	64
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	60
5	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	58





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Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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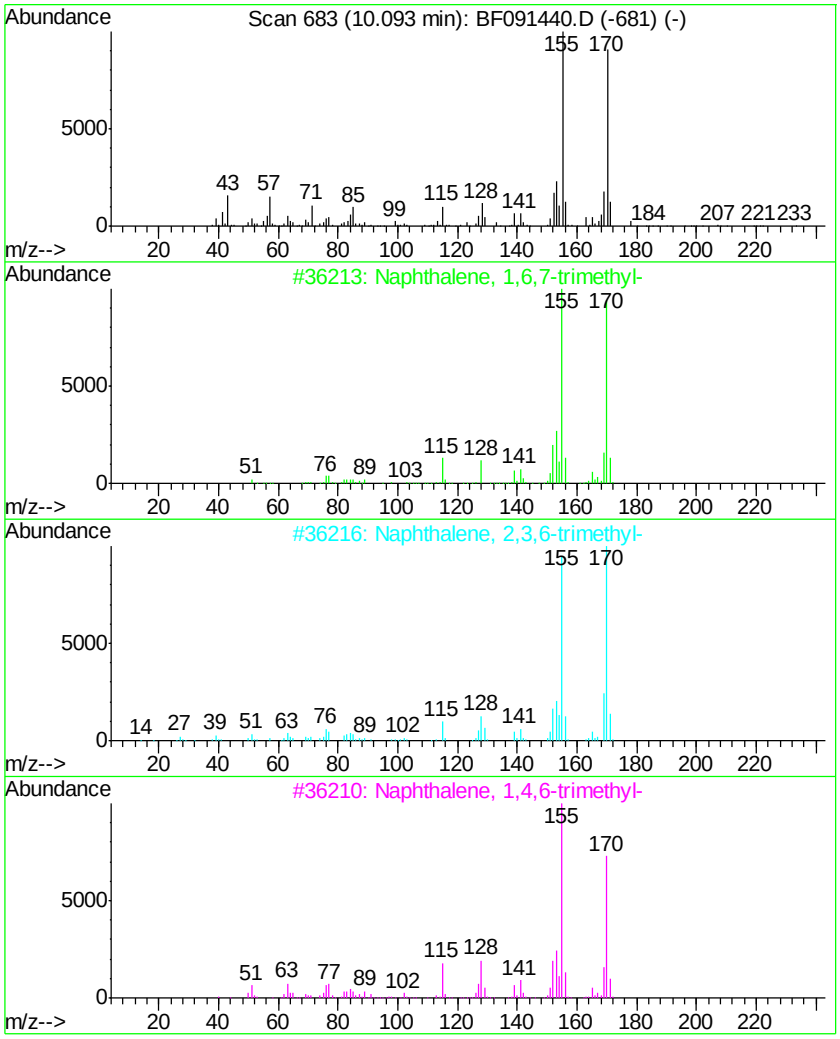
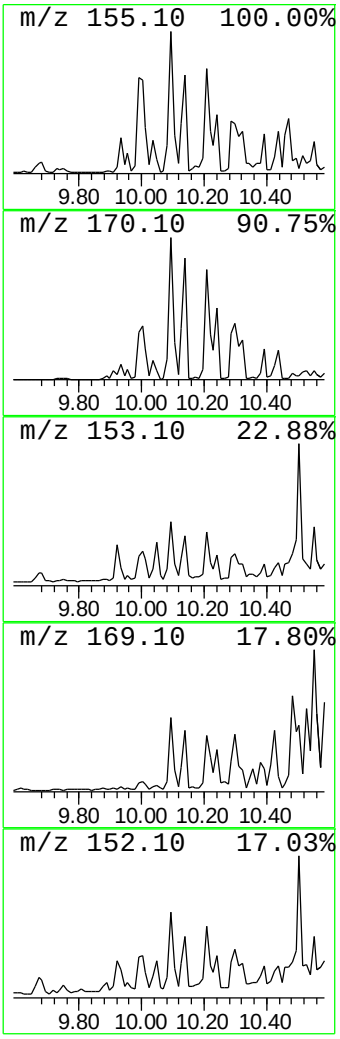
Peak Number 11 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	7.21 ng	776824	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	94
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93





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Data File : BF091440.D
Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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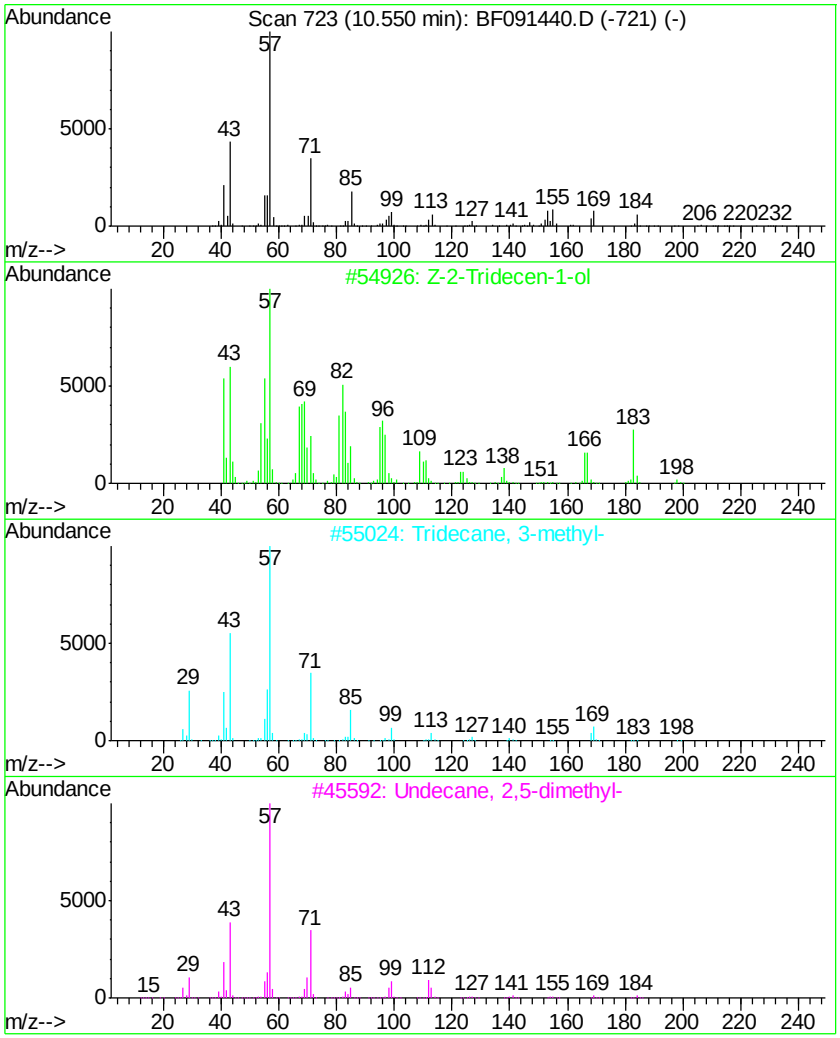
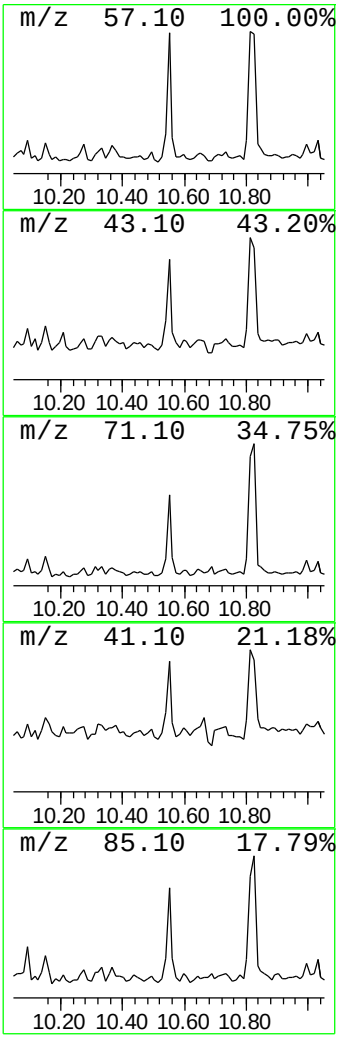
Peak Number 13 Z-2-Tridecen-1-ol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	11.90 ng	1282710	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-2-Tridecen-1-ol	198	C13H26O	1000130-75-8	92
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	89
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	58
4	Tridecane, 2-methyl-	198	C14H30	001560-96-9	53
5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	53





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Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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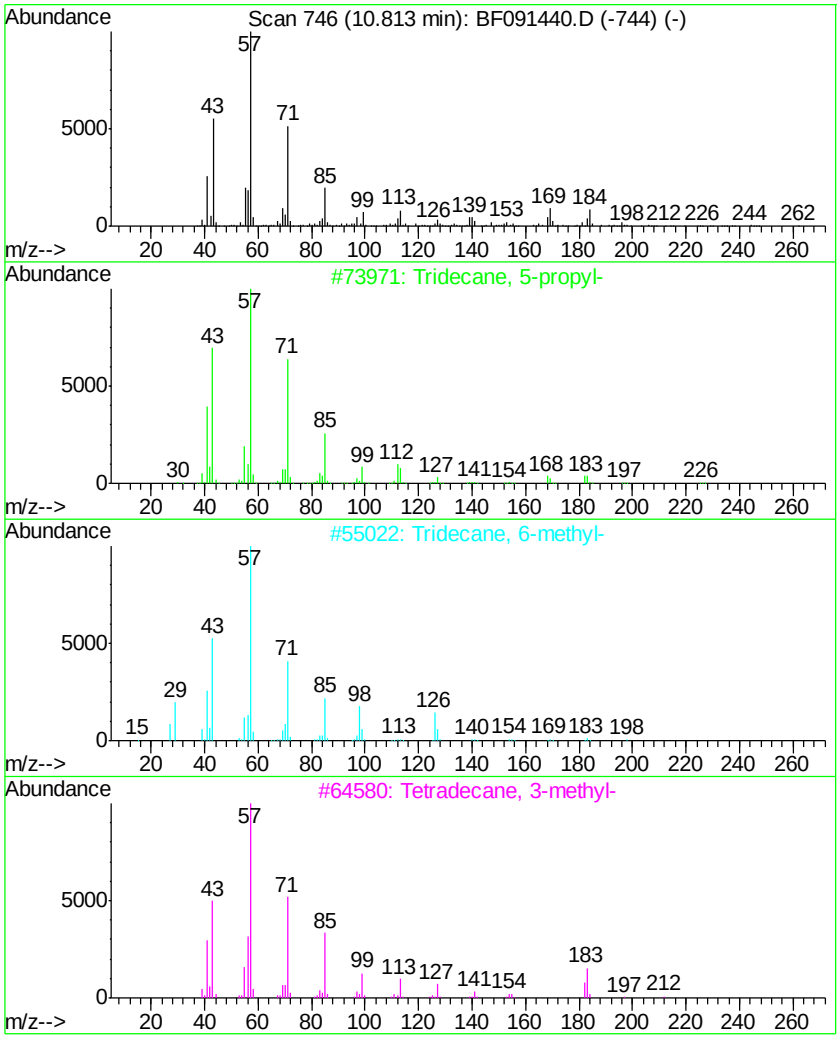
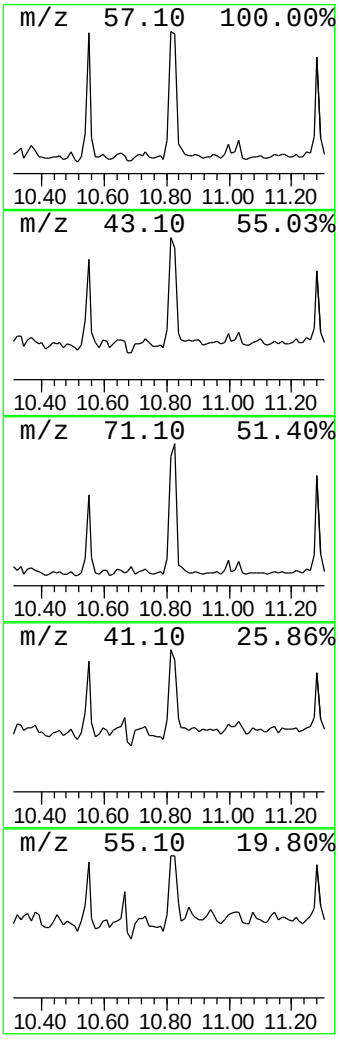
Peak Number 14 Tridecane, 5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	40.01 ng	2544210	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	91
2	Tridecane, 6-methyl-	198	C14H30	013287-21-3	76
3	Tetradecane, 3-methyl-	212	C15H32	018435-22-8	68
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	59
5	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	58





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Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

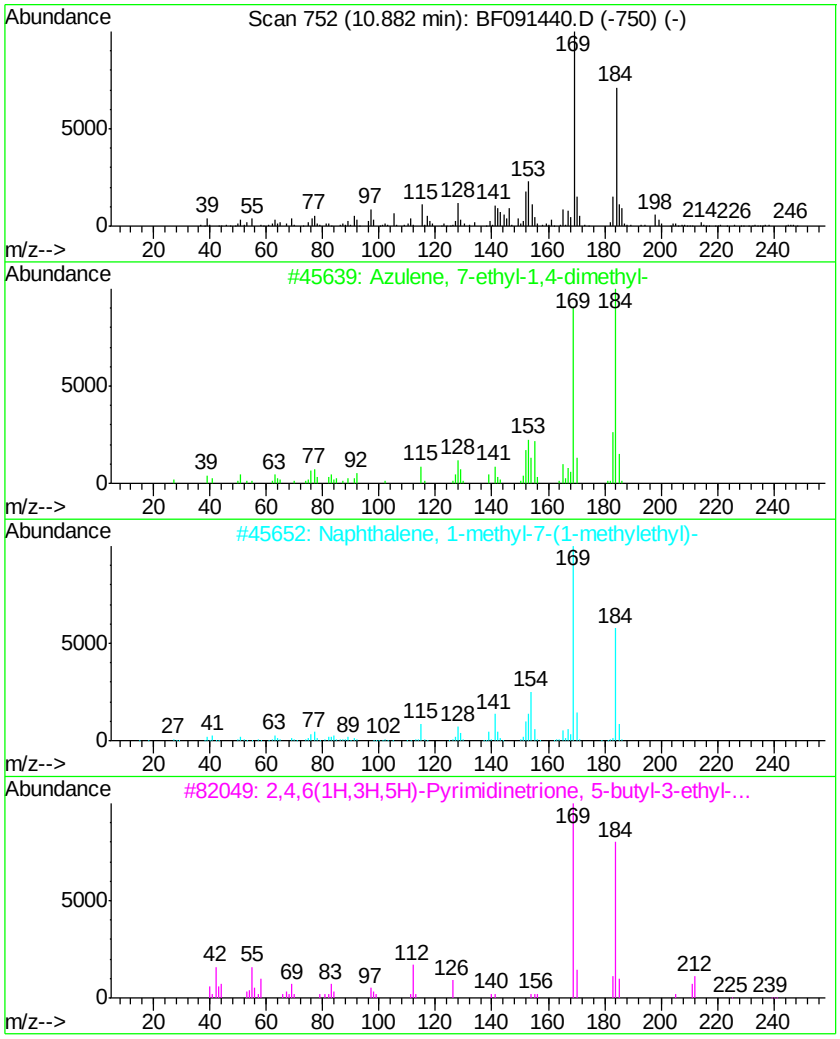
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

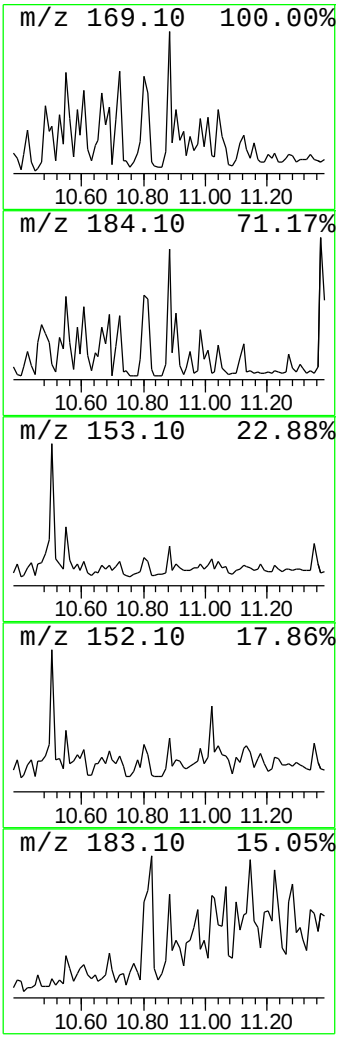
****

Peak Number 15 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	5.93 ng	377046	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	94
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	81
3	2,4,6(1H,3H,5H)-Pyrimidinetrione...	240	C12H20N2O3	028239-45-4	59
4	2,4,6(1H,3H,5H)-Pyrimidinetrione...	254	C13H22N2O3	028239-47-6	59
5	1,3-Diethyl-2-vinyl-2-methyl-1,3...	184	C9H20N2Si	051169-45-0	59





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Acq On : 6 Dec 2016 1:31
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Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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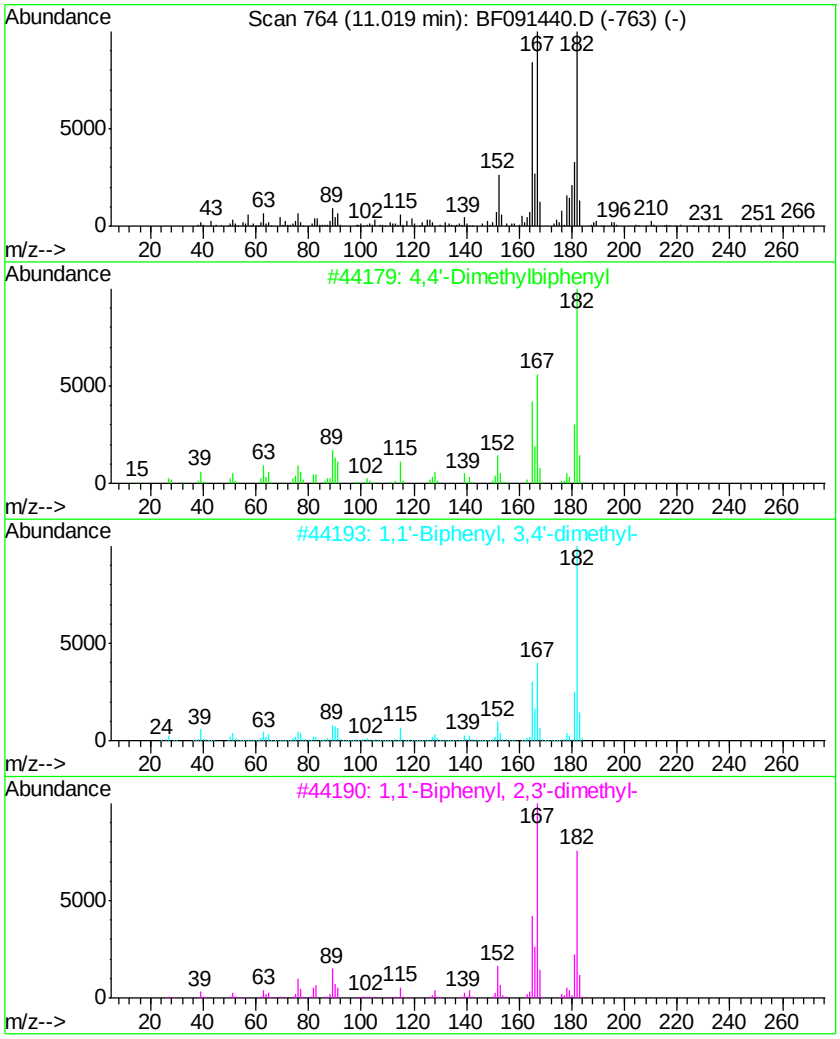
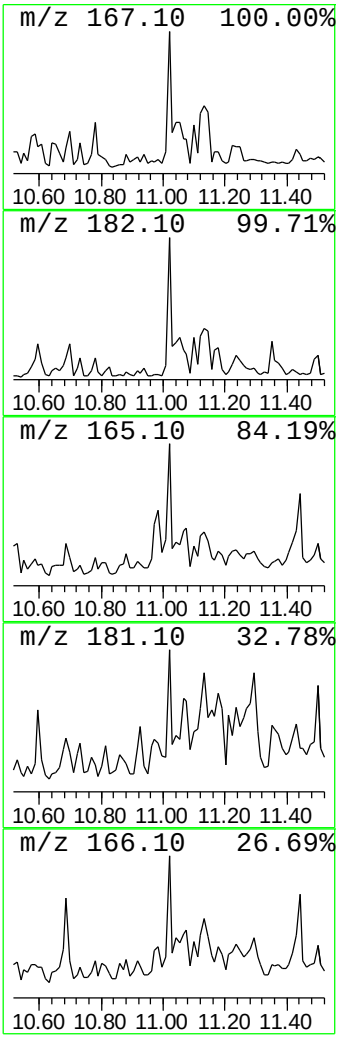
Peak Number 16 4,4'-Dimethylbiphenyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	9.50 ng	604363	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	93
2	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	80
3	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	70
4	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	68
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	64





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Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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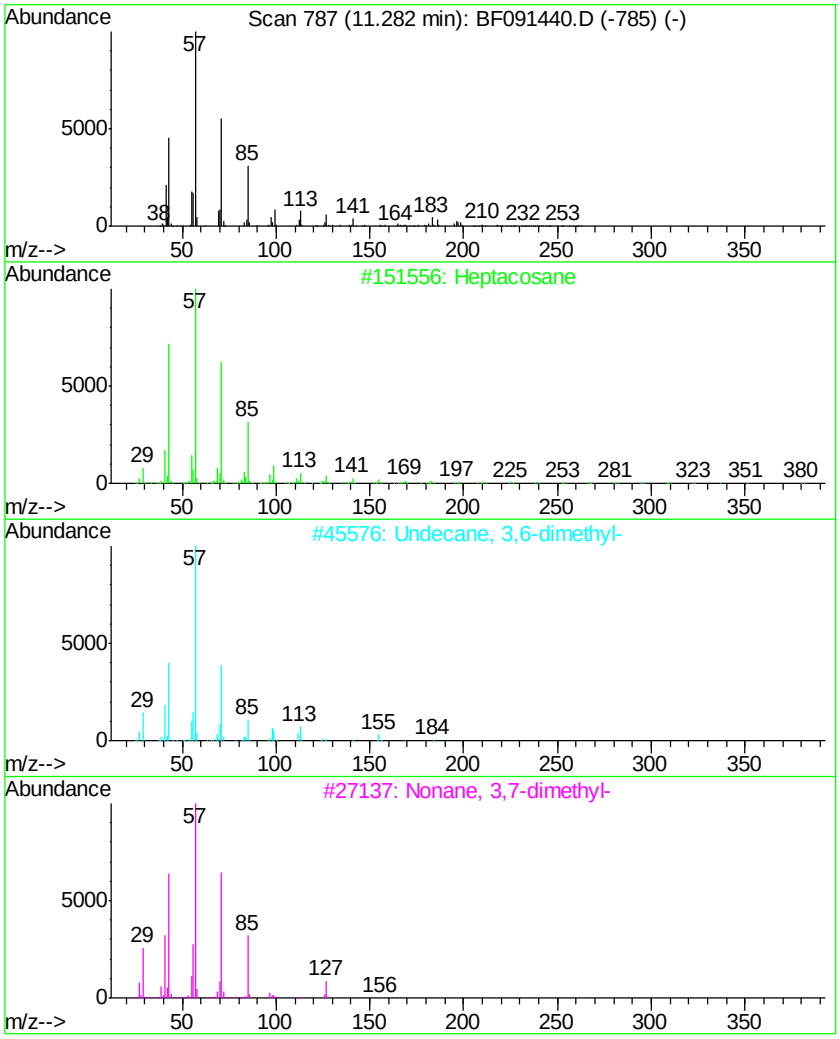
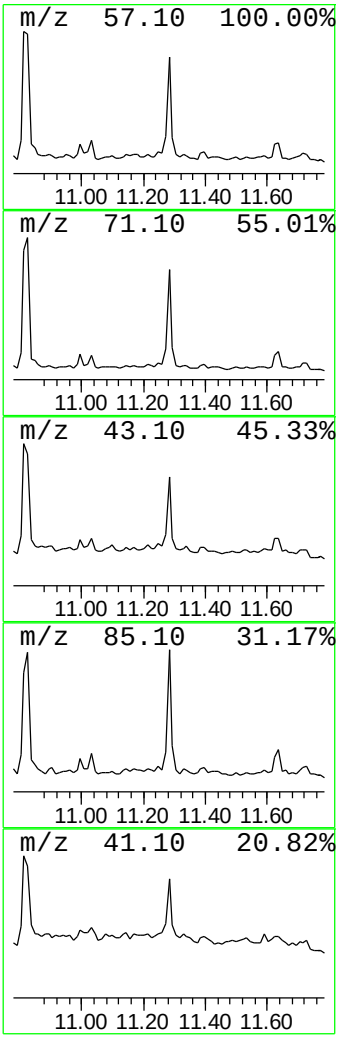
Peak Number 17 Heptacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	17.46 ng	1110110	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	80
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	62
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	58





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Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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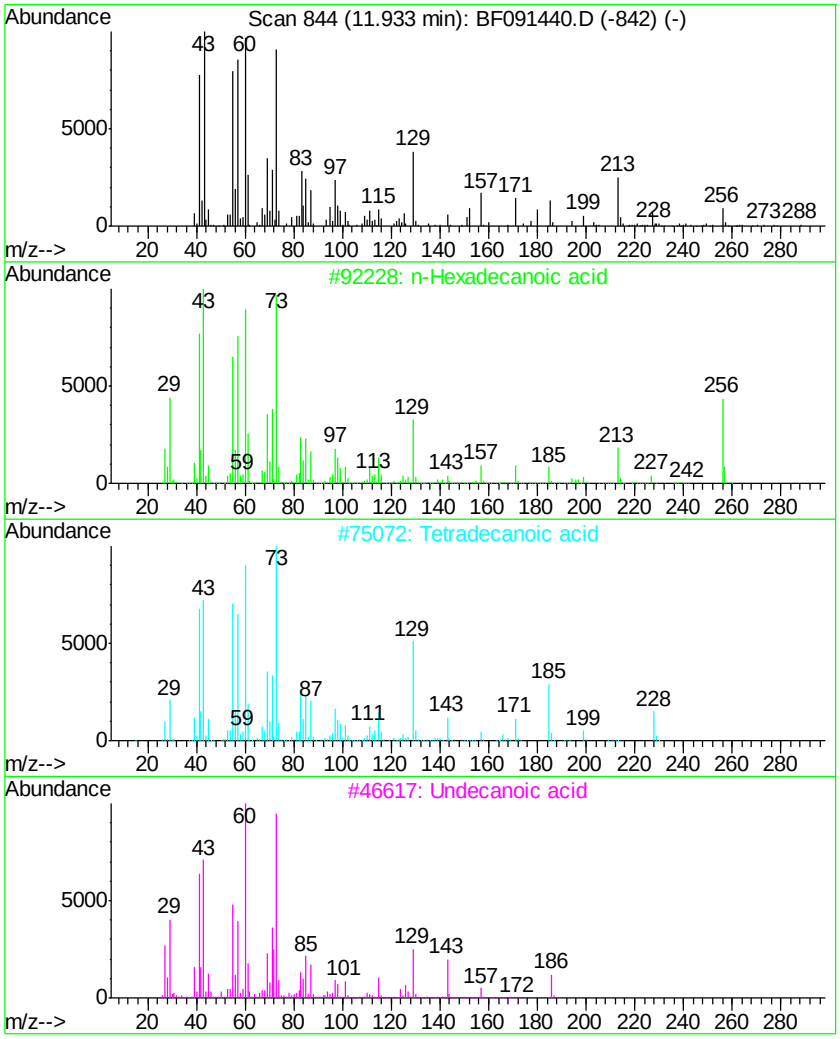
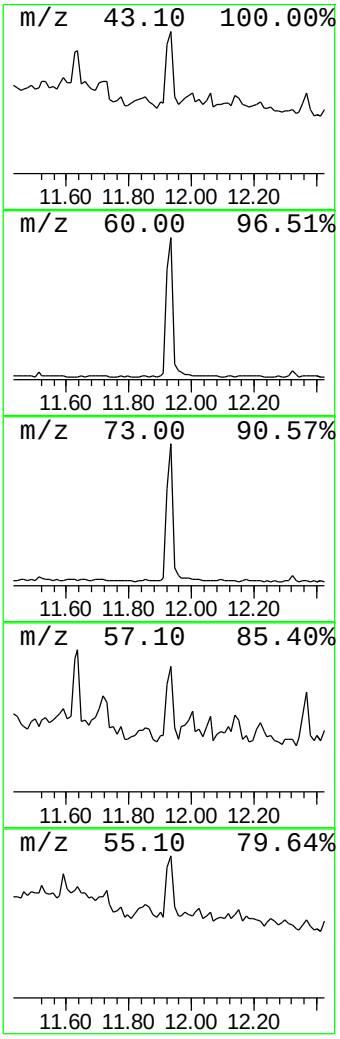
Peak Number 18 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	7.90 ng	502093	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	86
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
3	Undecanoic acid	186	C11H22O2	000112-37-8	47
4	n-Decanoic acid	172	C10H20O2	000334-48-5	47
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	43





Library Search Compound Report

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Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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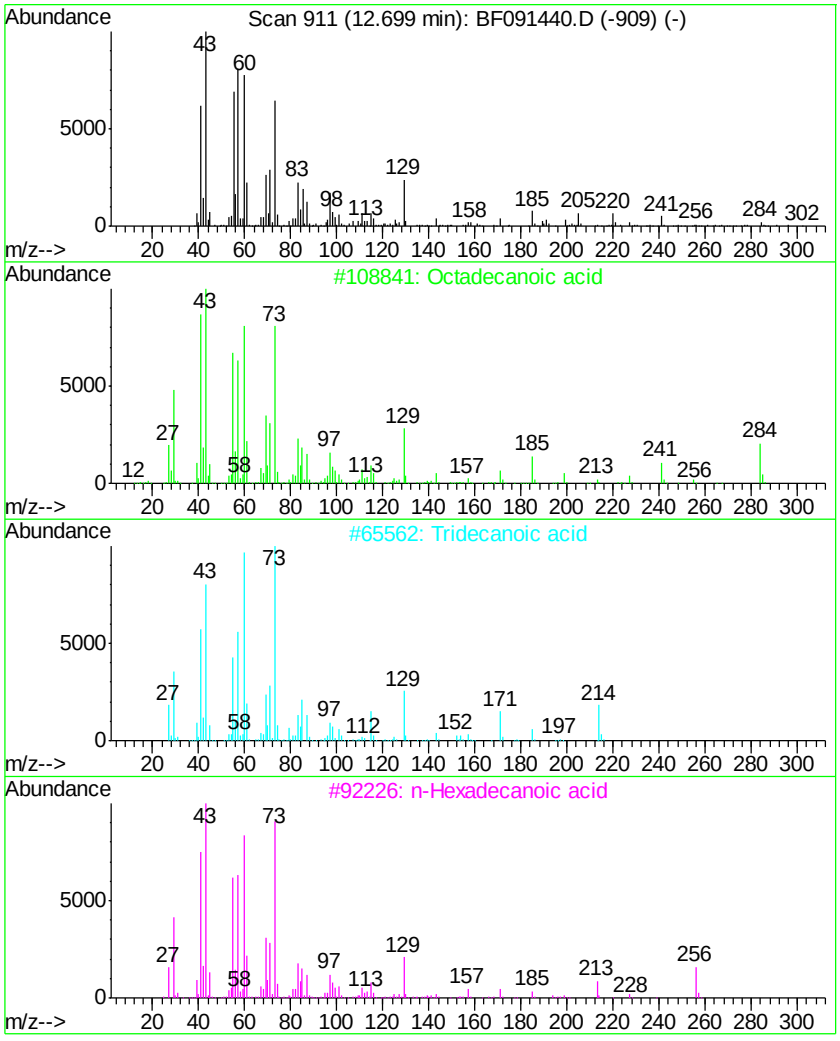
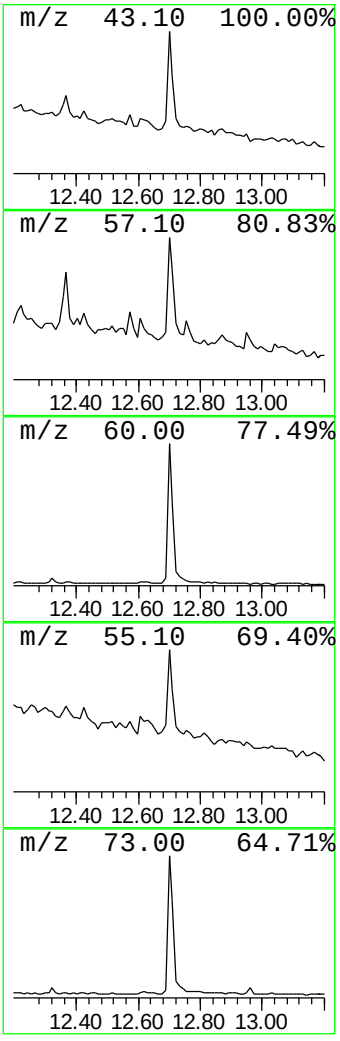
Peak Number 19 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	17.34 ng	751181	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	72
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	72





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Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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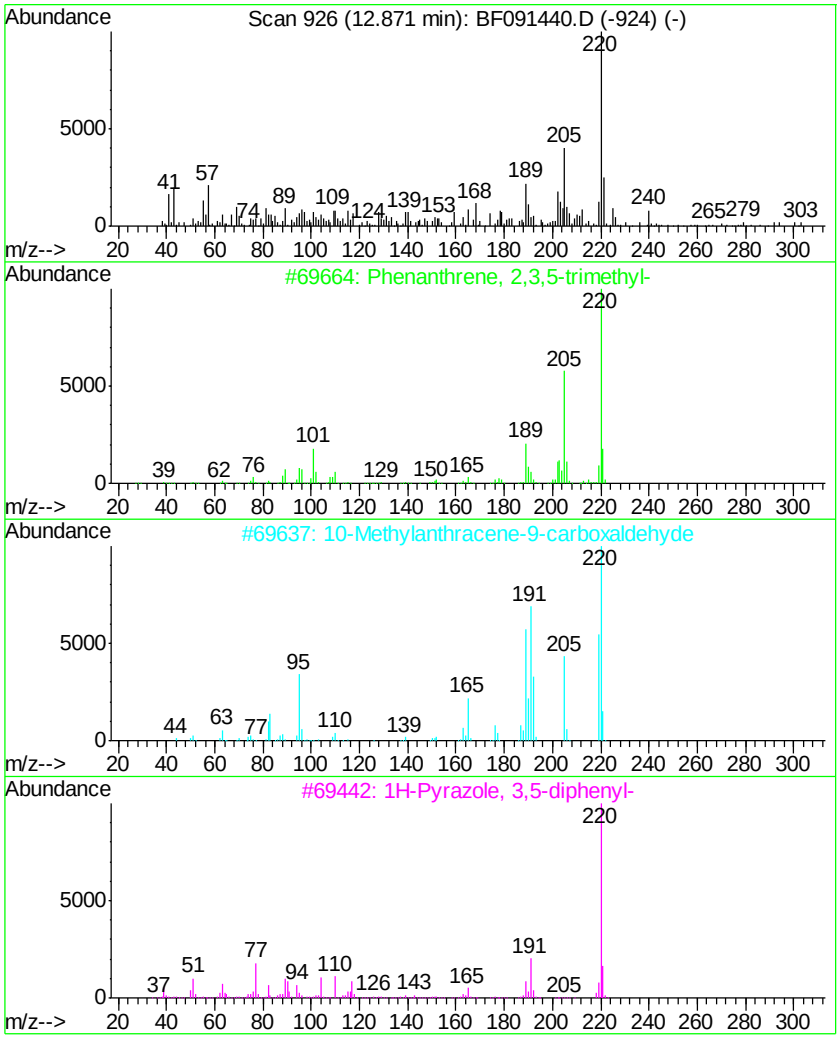
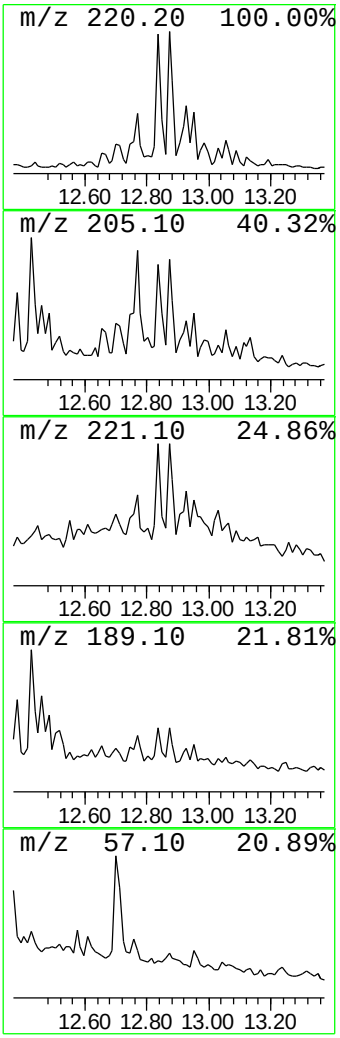
Peak Number 20 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	6.08 ng	263325	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	93
2	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	59
3	1H-Pyrazole, 3,5-diphenyl-	220	C15H12N2	001145-01-3	55
4	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	50
5	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120516\
Data File : BF091440.D
Acq On : 6 Dec 2016 1:31
Operator : UM/SJ
Sample : H5825-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S12016SF-W-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.03	12.5	ng	656421	1	6.85	1050600	20.0
unknown6.62	6.62	68.9	ng	3617610	1	6.85	1050600	20.0
Cyclohexane, 1,2,...	8.37	5.8	ng	414362	2	8.14	1415650	20.0
Dodecane, 2,7,10-...	8.56	7.0	ng	498086	2	8.14	1415650	20.0
unknown8.84	8.84	6.2	ng	439433	2	8.14	1415650	20.0
unknown8.95	8.95	8.5	ng	602739	2	8.14	1415650	20.0
Naphthalene, 1,6-...	9.56	6.7	ng	723010	3	9.89	2155750	20.0
Heptadecane, 2,6,...	9.62	10.1	ng	1091600	3	9.89	2155750	20.0
Naphthalene, 2-(1...	9.99	12.0	ng	1289040	3	9.89	2155750	20.0
Naphthalene, 1,6,...	10.09	7.2	ng	776824	3	9.89	2155750	20.0
Z-2-Tridecen-1-ol	10.55	11.9	ng	1282710	3	9.89	2155750	20.0
Tridecane, 5-propyl-	10.81	40.0	ng	2544210	4	11.37	1271870	20.0
Azulene, 7-ethyl-...	10.88	5.9	ng	377046	4	11.37	1271870	20.0
4,4'-Dimethylbiph...	11.02	9.5	ng	604363	4	11.37	1271870	20.0
Heptacosane	11.28	17.5	ng	1110110	4	11.37	1271870	20.0
n-Hexadecanoic acid	11.93	7.9	ng	502093	4	11.37	1271870	20.0
Octadecanoic acid	12.70	17.3	ng	751181	5	14.00	866274	20.0
Phenanthrene, 2,3...	12.87	6.1	ng	263325	5	14.00	866274	20.0