

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
 Data File : BF083218.D
 Acq On : 23 Nov 2015 22:07
 Operator : UM/IZ
 Sample : G4512-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-3

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.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	3.370	115	121	134	rBV	4480633	10184473	100.00%	15.382%
2	4.787	241	245	257	rBV	1771964	3095193	30.39%	4.675%
3	5.244	283	285	288	rBV	4735058	5093406	50.01%	7.693%
4	6.307	376	378	381	rBV	4060936	5381156	52.84%	8.127%
5	6.410	385	387	390	rBV	3793822	5198492	51.04%	7.852%
6	6.639	405	407	409	rBV	1458448	1298744	12.75%	1.962%
7	6.799	418	421	423	rBV	3951275	4030296	39.57%	6.087%
8	7.210	454	457	460	rBV	3387154	3368833	33.08%	5.088%
9	7.930	517	520	522	rBV	1525648	1724454	16.93%	2.605%
10	9.005	612	614	617	rBV	4720210	4961921	48.72%	7.494%
11	9.405	647	649	652	rBV	808191	776926	7.63%	1.173%
12	9.622	666	668	670	rBV	146245	153635	1.51%	0.232%
13	9.679	670	673	675	rBV	1337282	1648947	16.19%	2.490%
14	10.125	706	712	714	rBV	272722	285762	2.81%	0.432%
15	10.216	716	720	724	rVB3	61346	118703	1.17%	0.179%
16	10.342	728	731	733	rBV	140274	203271	2.00%	0.307%
17	10.456	739	741	744	rBV2	2114222	2753623	27.04%	4.159%
18	10.593	751	753	757	rVB	267492	295788	2.90%	0.447%
19	11.039	787	792	794	rBV2	175791	233742	2.30%	0.353%
20	11.153	799	802	805	rVV	1213723	1871073	18.37%	2.826%
21	11.222	805	808	810	rVB	139196	171562	1.68%	0.259%
22	11.679	847	848	849	rVV	96686	123531	1.21%	0.187%
23	11.702	849	850	853	rVV	693070	692887	6.80%	1.047%
24	11.759	853	855	861	rVB2	127811	228733	2.25%	0.345%
25	12.354	905	907	909	rBV	846943	759845	7.46%	1.148%
26	12.479	917	918	921	rBV2	213793	299403	2.94%	0.452%
27	12.582	924	927	929	rBV	630361	864596	8.49%	1.306%
28	12.731	938	940	943	rVB	3078834	3573300	35.09%	5.397%
29	12.914	952	956	958	rBV2	85539	163776	1.61%	0.247%
30	12.982	958	962	963	rBV2	69559	130588	1.28%	0.197%
31	13.016	963	965	969	rBV2	75063	177431	1.74%	0.268%
32	13.211	980	982	985	rVB	99344	117792	1.16%	0.178%
33	13.519	1007	1009	1011	rBV	67795	109312	1.07%	0.165%
34	13.645	1018	1020	1023	rVB	378917	428571	4.21%	0.647%

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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

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35	13.771	1028	1031	1037	rBV2	1343206	2095953	20.58%	3.166%
36	14.285	1073	1076	1080	rBV3	142113	296867	2.91%	0.448%
37	14.765	1116	1118	1122	rBV	353305	653010	6.41%	0.986%
38	14.857	1125	1126	1127	rBV	149286	153757	1.51%	0.232%
39	15.028	1139	1141	1144	rVB	234213	302426	2.97%	0.457%
40	15.085	1144	1146	1148	rBV	292312	365304	3.59%	0.552%
41	15.142	1148	1151	1159	rVB	712720	1113670	10.93%	1.682%
42	15.554	1185	1187	1189	rBV	152090	253608	2.49%	0.383%
43	16.400	1258	1261	1265	rVB2	116635	248927	2.44%	0.376%
44	16.765	1291	1293	1300	rBV	87520	206333	2.03%	0.312%

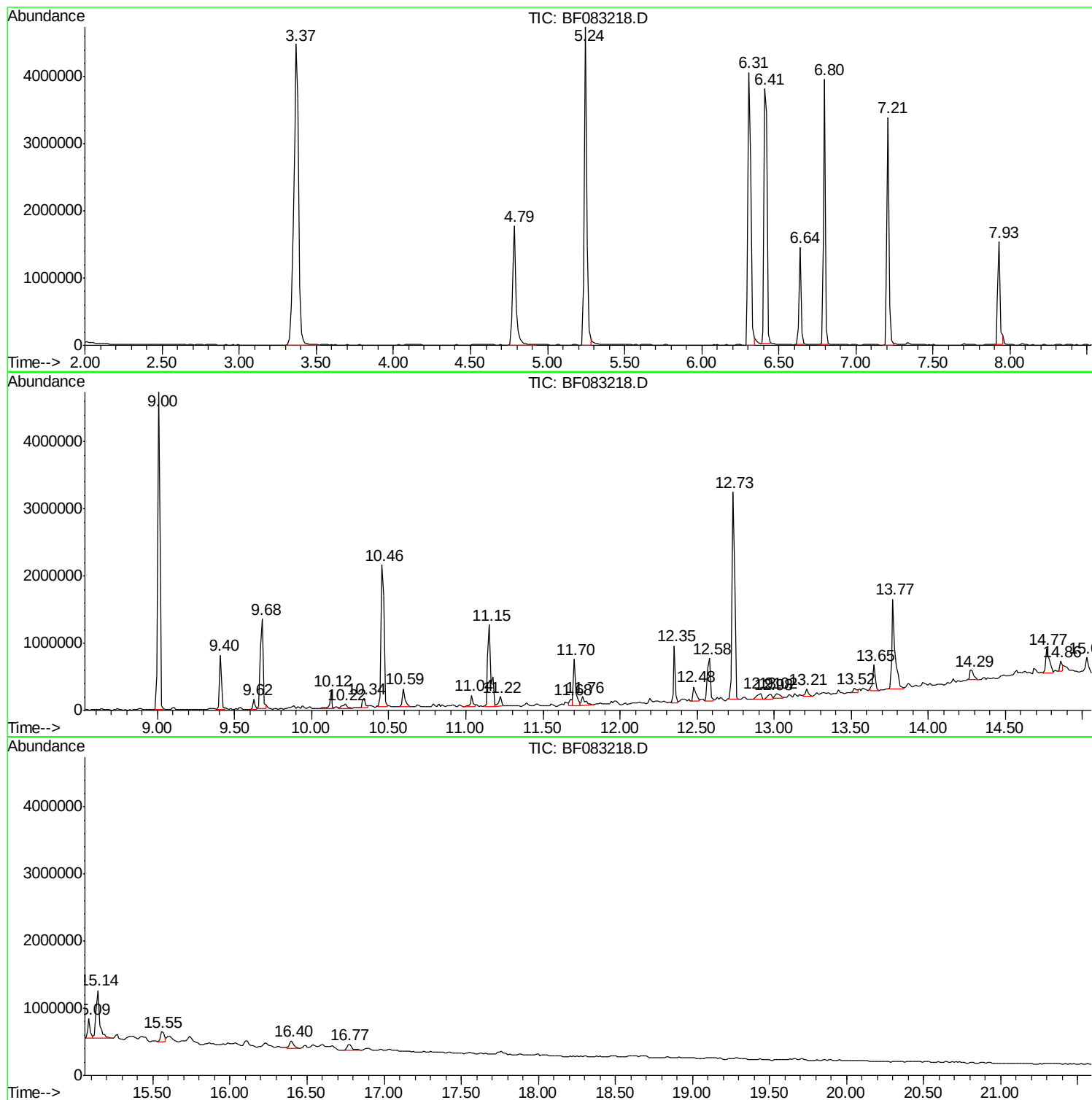
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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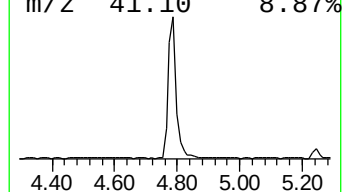
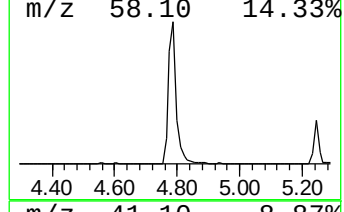
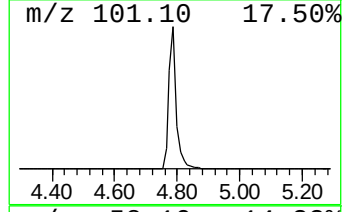
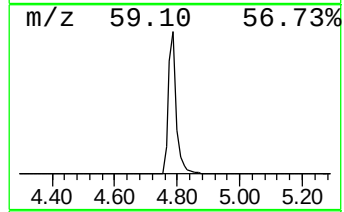
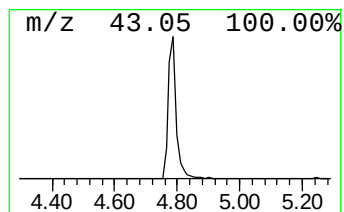
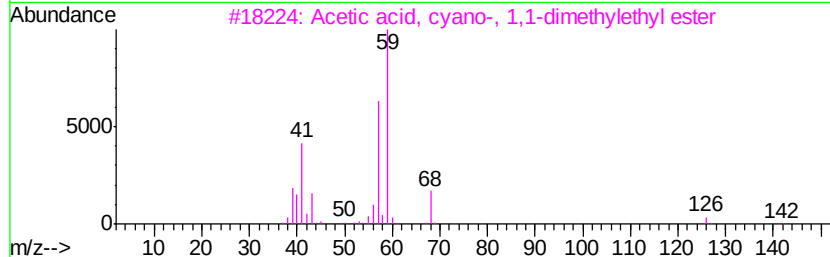
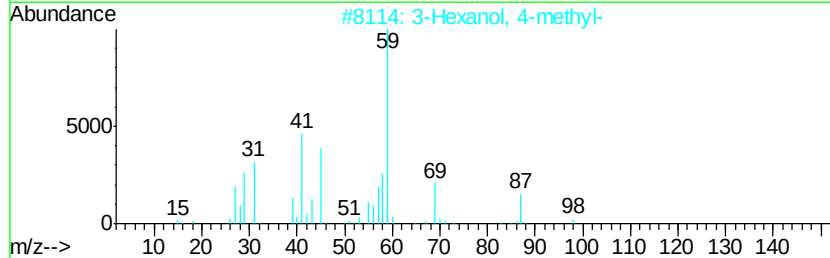
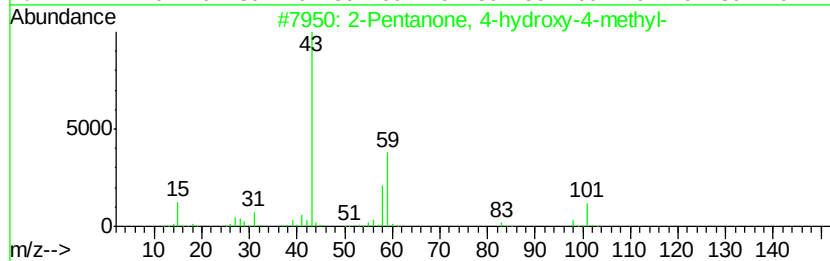
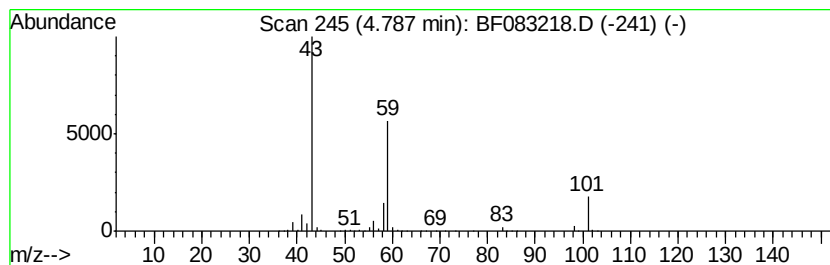
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.79	47.66 ng	3095190	1,4-Dichlorobenzene-d4	6.64

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9



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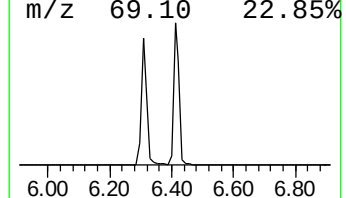
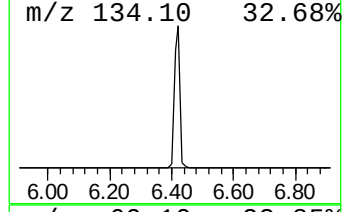
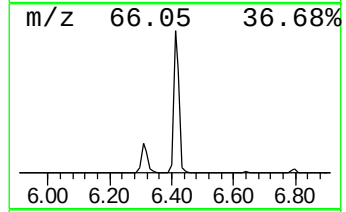
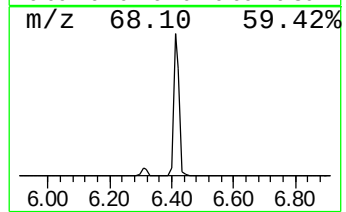
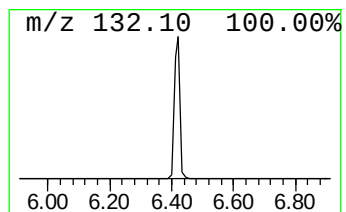
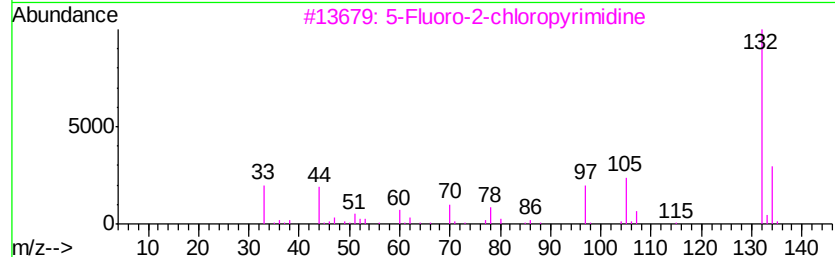
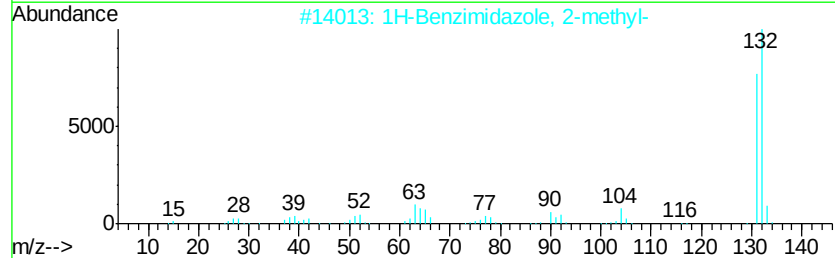
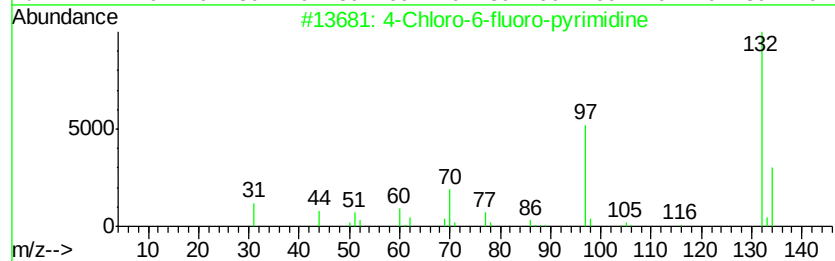
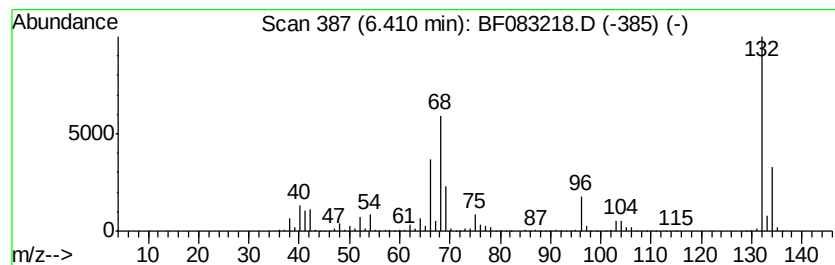
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 unknown6.41 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	80.05 ng	5198490	1,4-Dichlorobenzene-d4	6.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	11
5		5-Aminoindole	132	C8H8N2	005192-03-0	10



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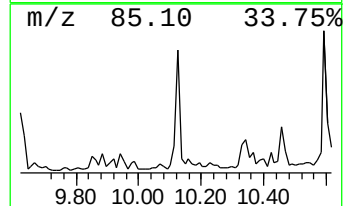
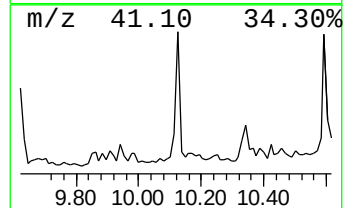
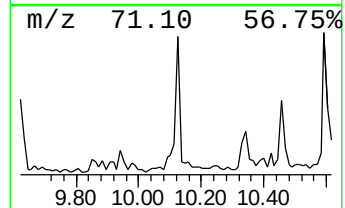
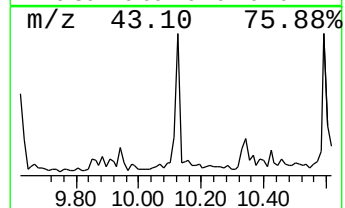
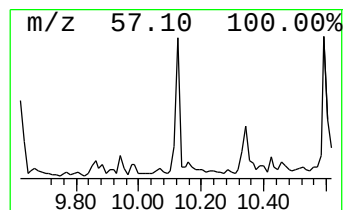
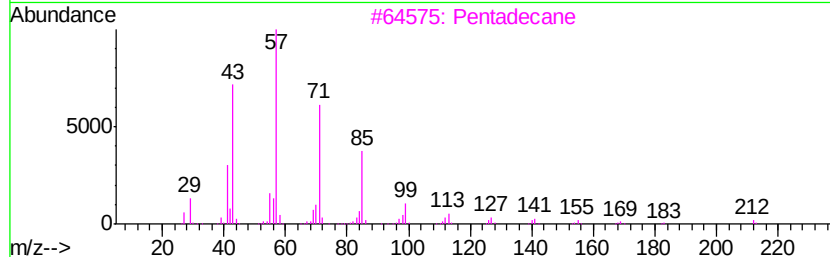
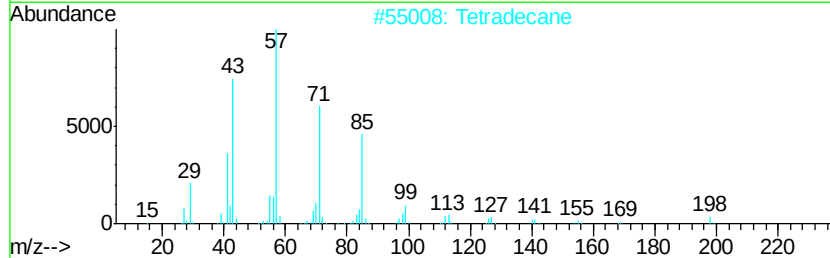
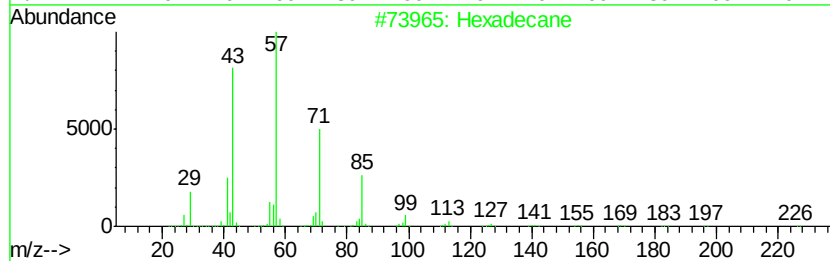
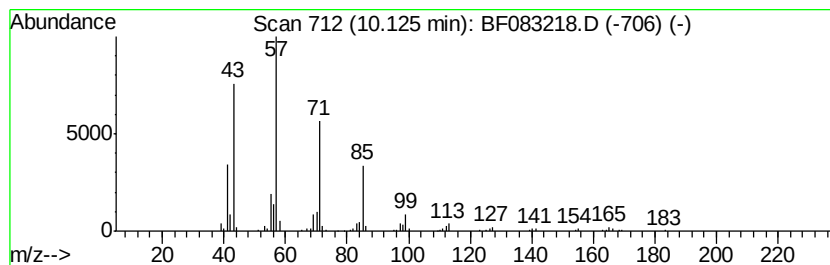
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	3.47 ng	285762	Acenaphthene-d10	9.68

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	91
2	Tetradecane		198	C14H30	000629-59-4	90
3	Pentadecane		212	C15H32	000629-62-9	90
4	Pentadecane, 7-methyl-		226	C16H34	006165-40-8	83
5	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	80



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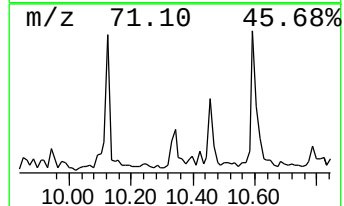
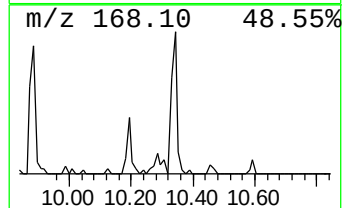
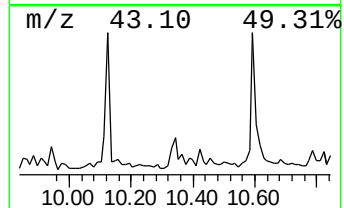
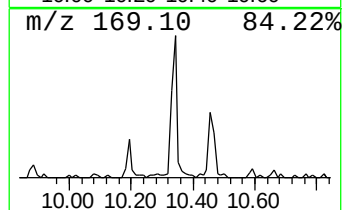
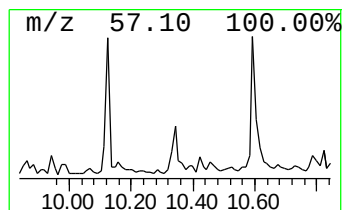
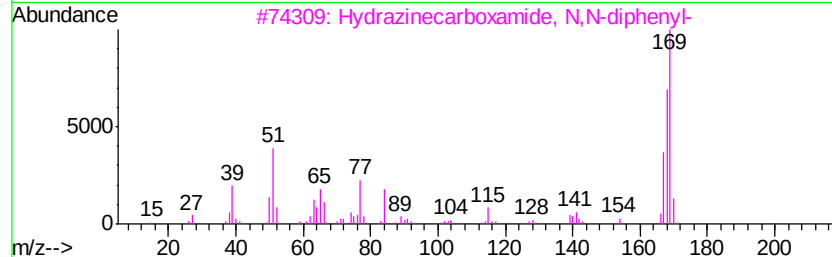
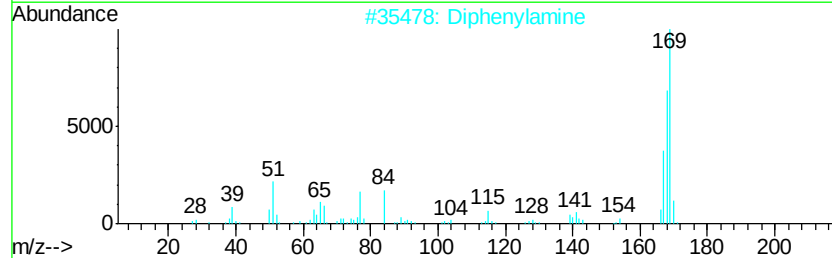
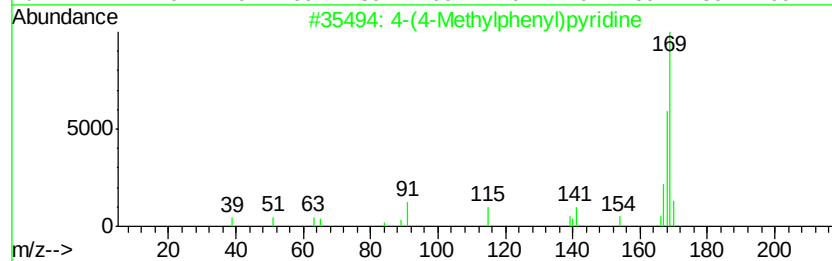
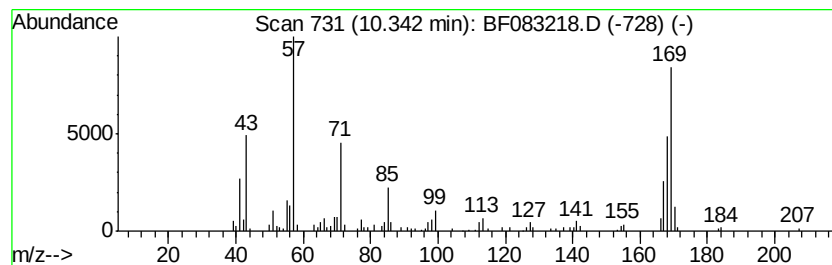
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 4-(4-Methylphenyl)pyridine Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.34	2.47 ng	203271	Acenaphthene-d10		9.68	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-(4-Methylphenyl)pyridine	169	C12H11N	004423-10-3	55
2		Diphenylamine	169	C12H11N	000122-39-4	55
3		Hydrazinecarboxamide, N,N-diphenyl-	227	C13H13N3O	000603-51-0	47
4		[1,1'-Biphenyl]-2-amine	169	C12H11N	000090-41-5	46
5		Pyridine, 4-(phenylmethyl)-	169	C12H11N	002116-65-6	43



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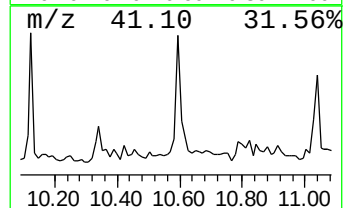
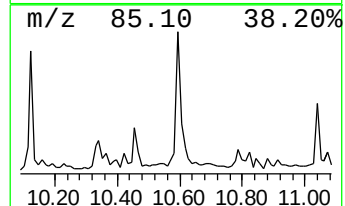
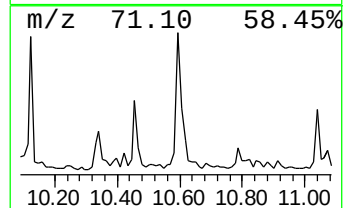
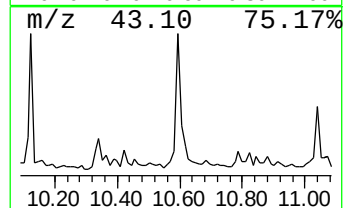
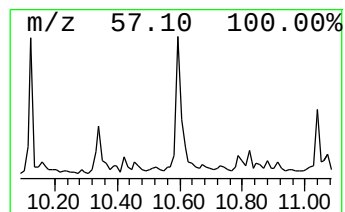
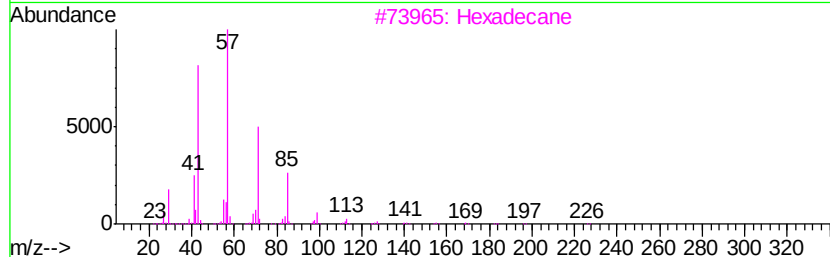
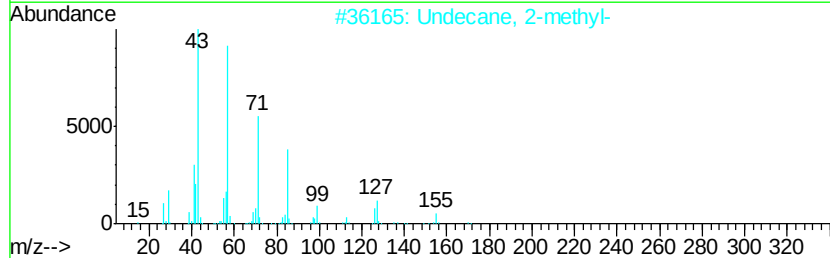
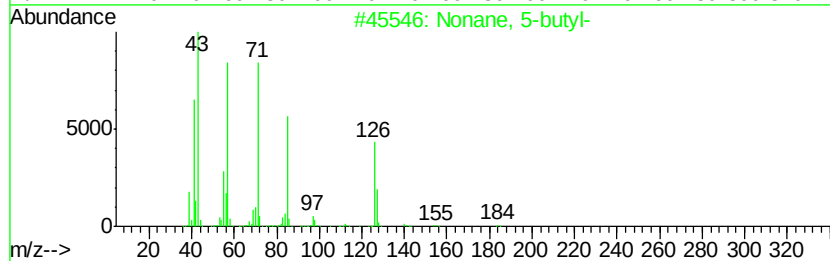
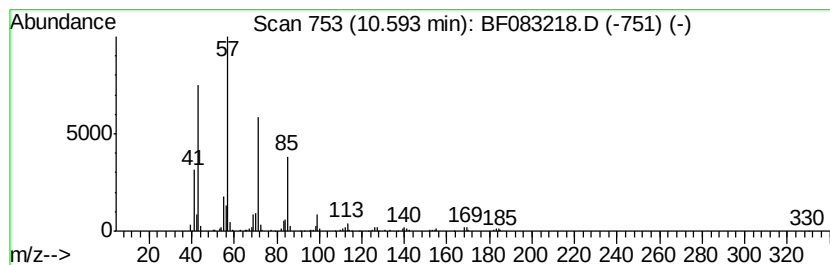
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Nonane, 5-butyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.		
10.59	3.16 ng	295788	Phenanthrene-d10		11.15		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 5-butyl-	184	C13H28	017312-63-9	87
2			Undecane, 2-methyl-	170	C12H26	007045-71-8	83
3			Hexadecane	226	C16H34	000544-76-3	80
4			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
5			Eicosane	282	C20H42	000112-95-8	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
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Operator : UM/IZ
Sample : G4512-03
Misc :
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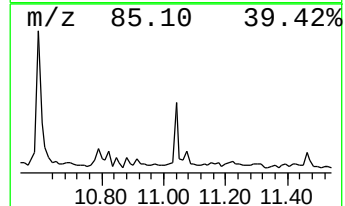
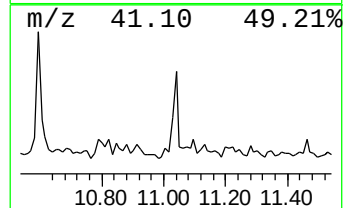
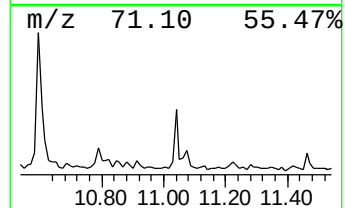
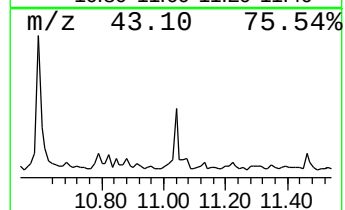
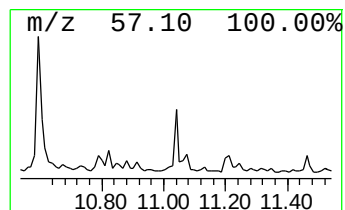
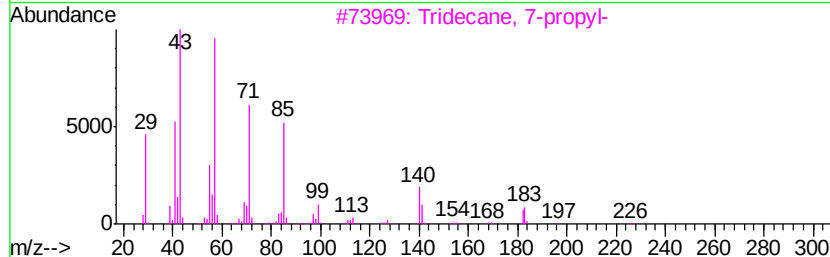
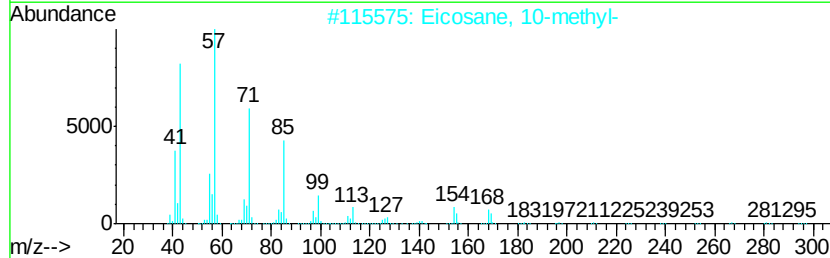
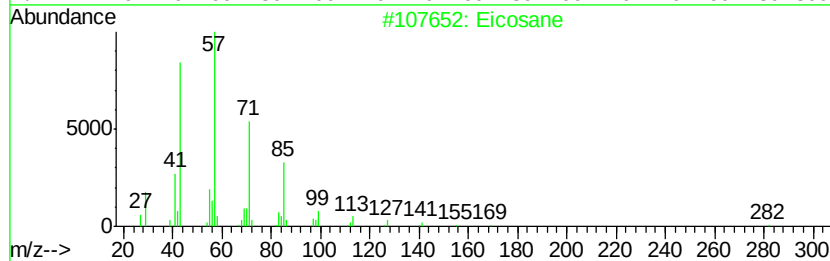
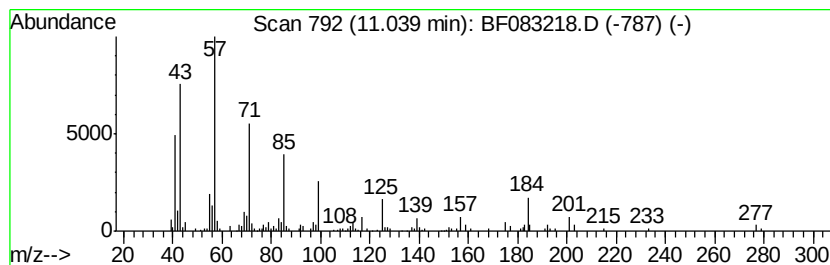
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Eicosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.04	2.50 ng	233742	Phenanthrene-d10	11.15	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	58
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	53
3	Tridecane, 7-propyl-	226	C16H34	055045-09-5	47
4	Hexadecane	226	C16H34	000544-76-3	46
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
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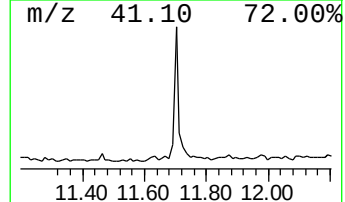
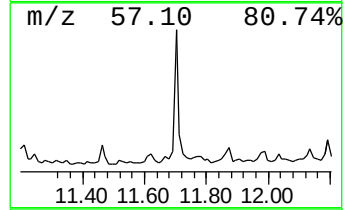
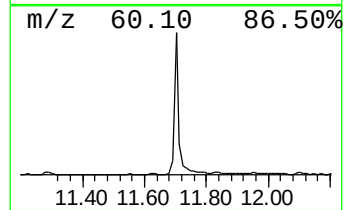
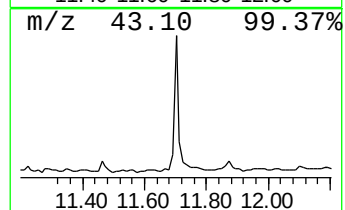
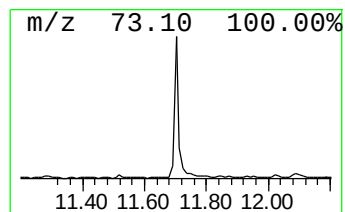
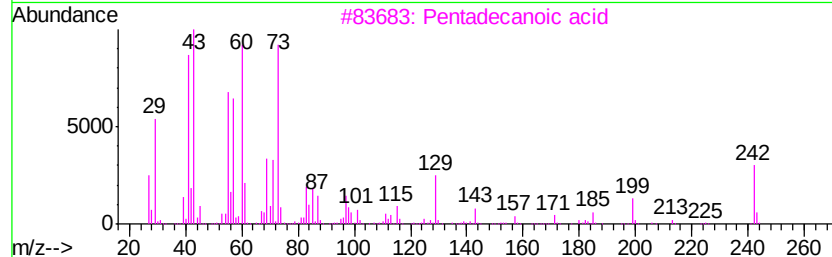
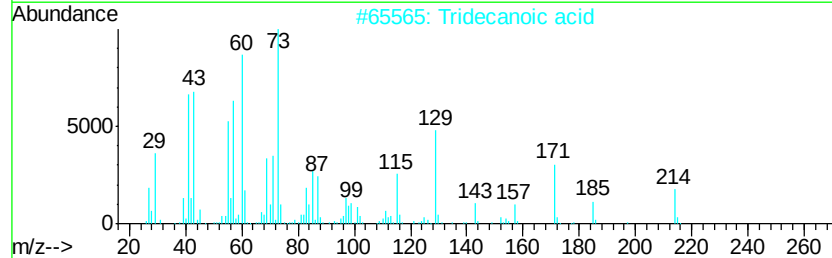
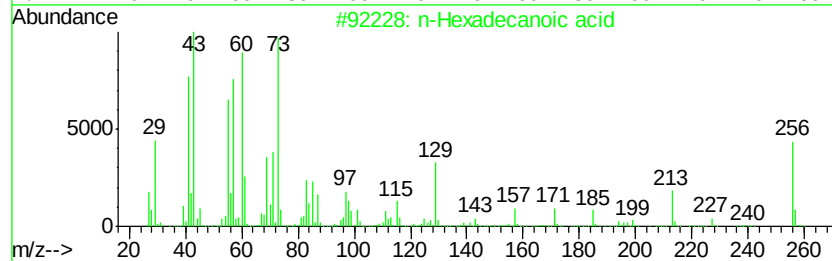
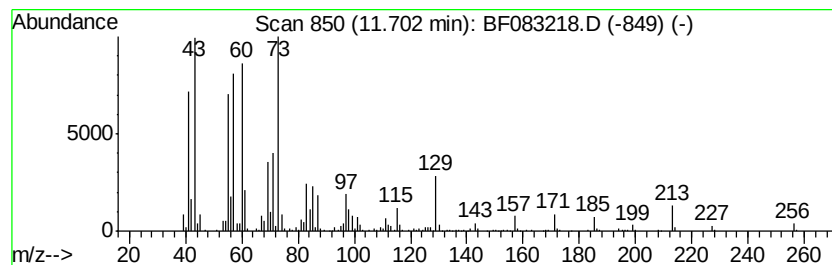
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.70	7.41 ng	692887	Phenanthrene-d10		11.15
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Undecanoic acid	186	C11H22O2	000112-37-8	86
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083218.D
Acq On : 23 Nov 2015 22:07
Operator : UM/IZ
Sample : G4512-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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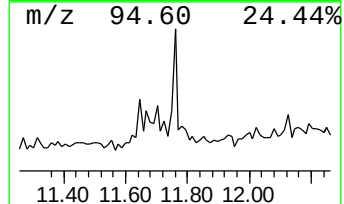
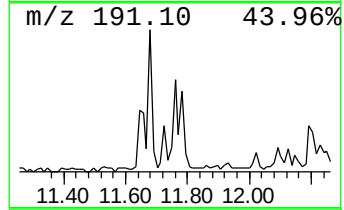
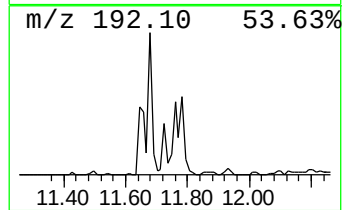
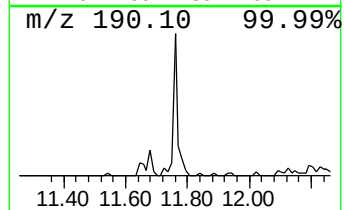
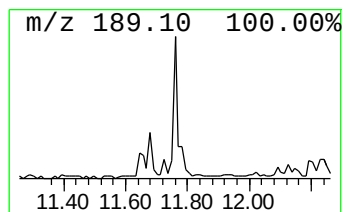
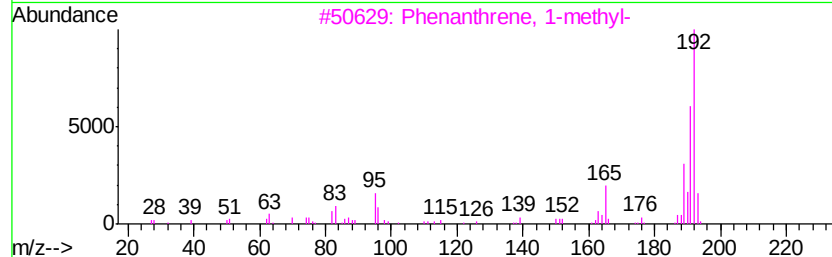
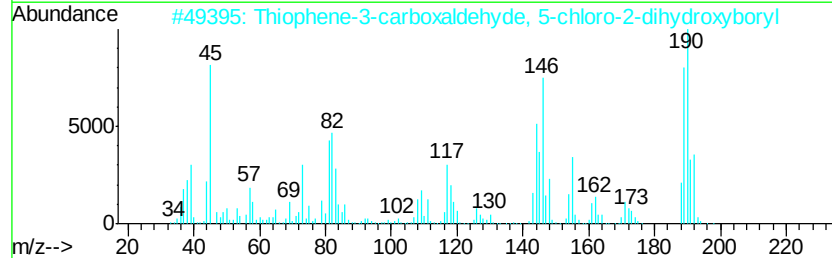
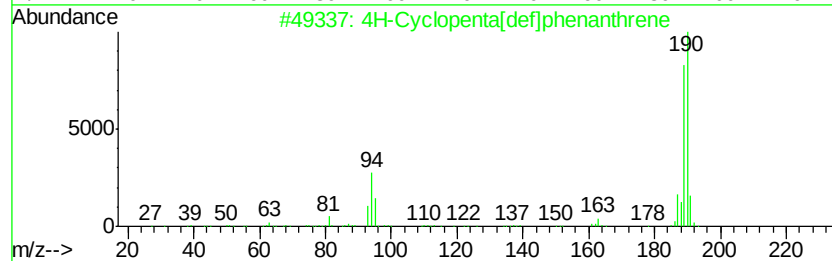
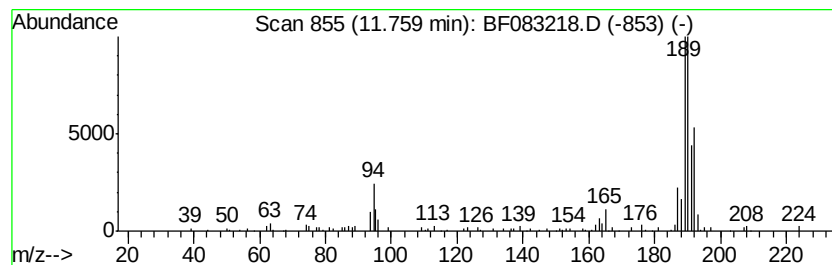
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	2.44 ng	228733	Phenanthrene-d10	11.15

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2			Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	22
5			Benzene, 1,1'-(1,2-propadienyld...	192	C15H12	014251-57-1	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083218.D
Acq On : 23 Nov 2015 22:07
Operator : UM/IZ
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Misc :
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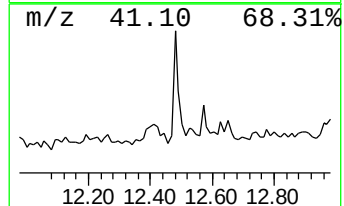
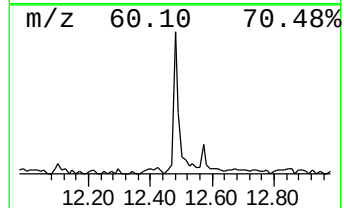
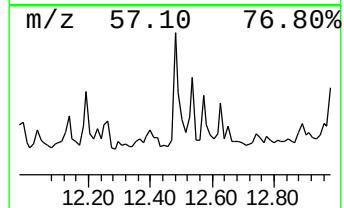
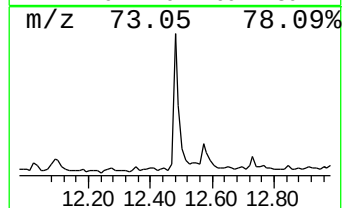
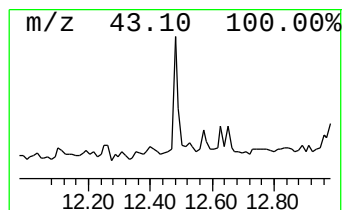
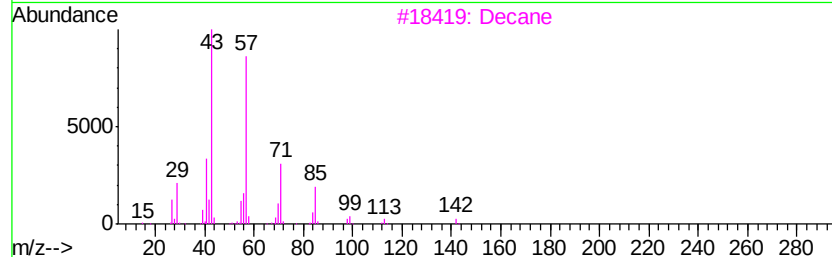
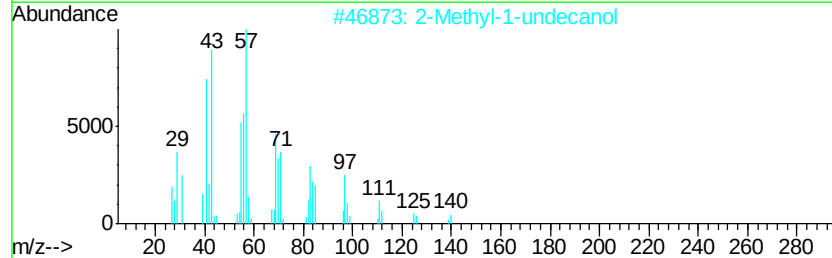
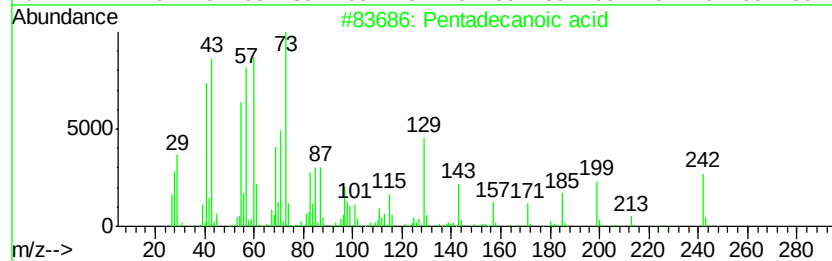
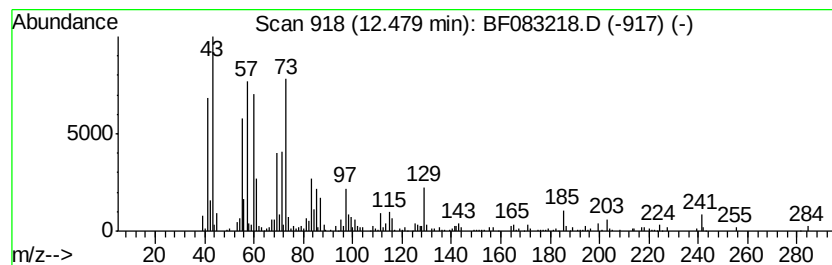
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pentadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	2.86 ng	299403	Chrysene-d12	13.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
2		2-Methyl-1-undecanol	186	C12H26O	010522-26-6	27
3		Decane	142	C10H22	000124-18-5	25
4		N-Cyclooct-4-enylacetamide	167	C10H17NO	170952-69-9	25
5		Octadecane, 2-methyl-	268	C19H40	001560-88-9	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
Data File : BF083218.D
Acq On : 23 Nov 2015 22:07
Operator : UM/IZ
Sample : G4512-03
Misc :
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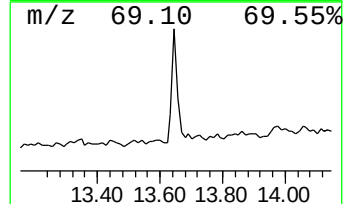
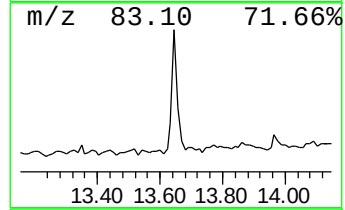
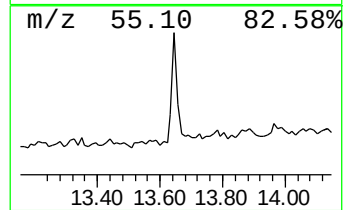
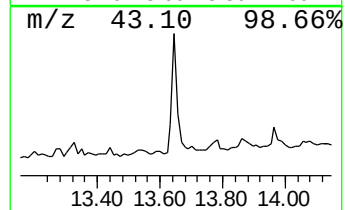
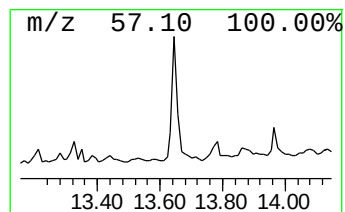
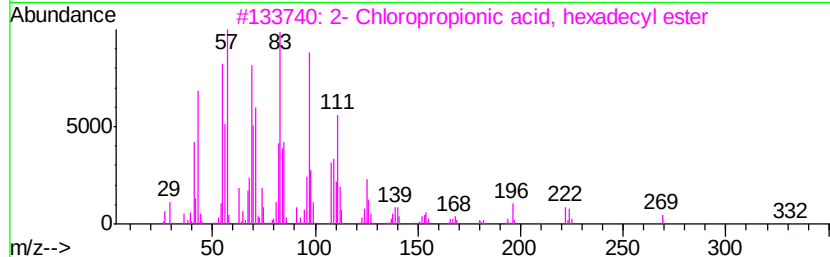
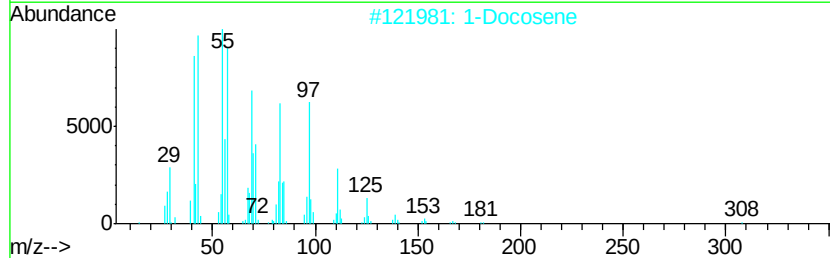
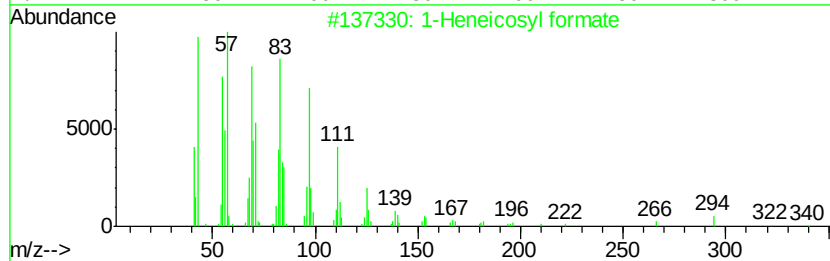
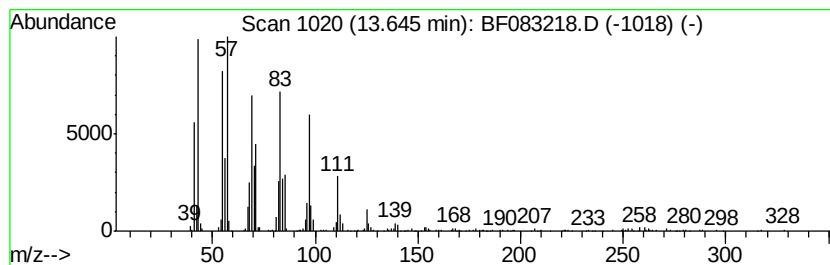
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1-Heneicosyl formate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	4.09 ng	428571	Chrysene-d12	13.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91
2		1-Docosene	308	C22H44	001599-67-3	91
3		2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	91
4		2- Chloropropionic acid, pentade...	318	C18H35ClO2	1000292-44-1	91
5		Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
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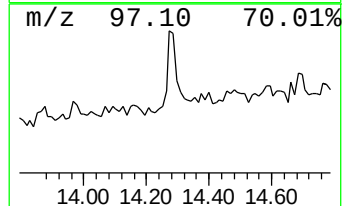
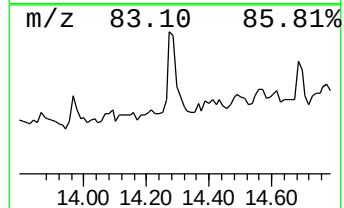
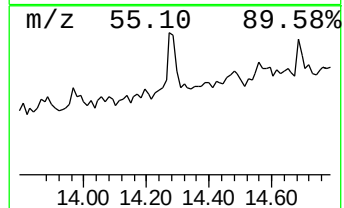
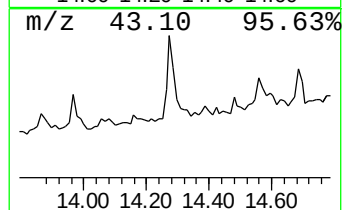
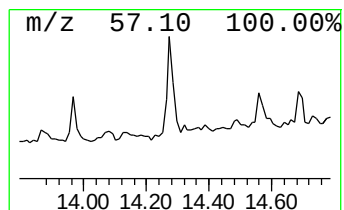
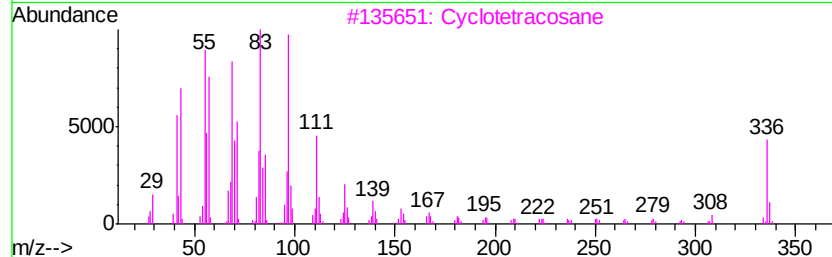
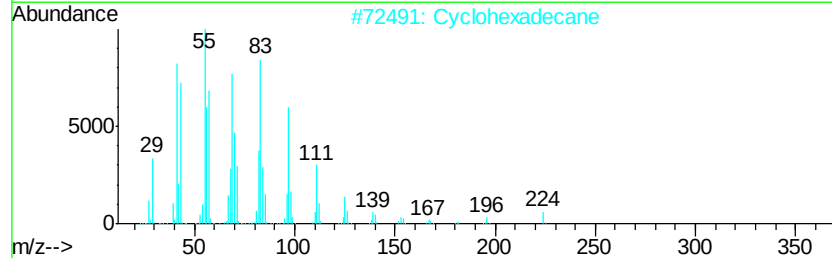
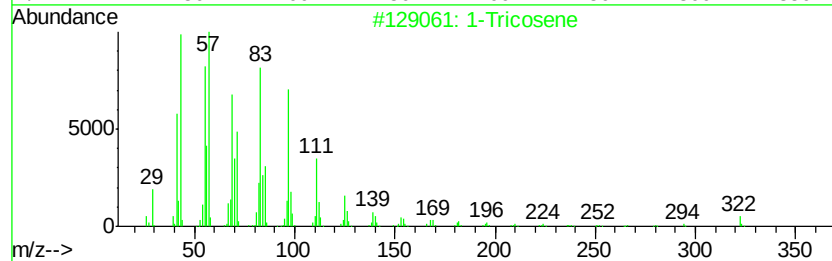
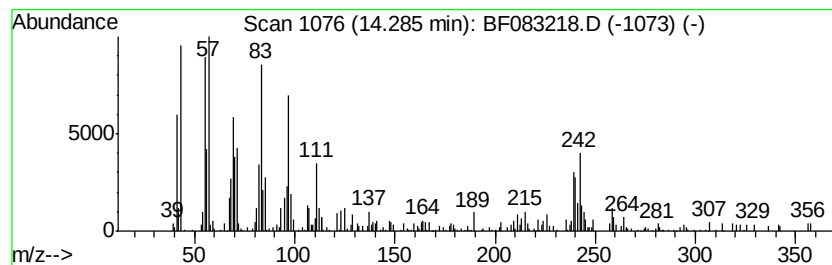
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1-Tricosene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	2.83 ng	296867	Chrysene-d12	13.77

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Tricosene	322	C23H46	018835-32-0	96
2			Cyclohexadecane	224	C16H32	000295-65-8	91
3			Cyclotetracosane	336	C24H48	000297-03-0	91
4			1-Nonadecene	266	C19H38	018435-45-5	90
5			Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
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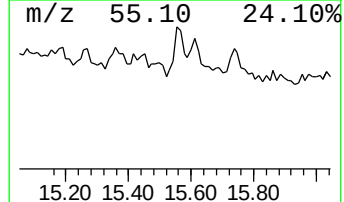
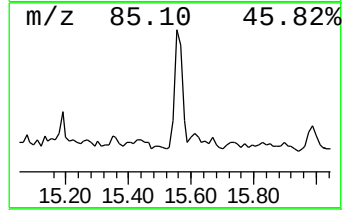
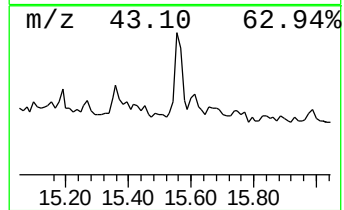
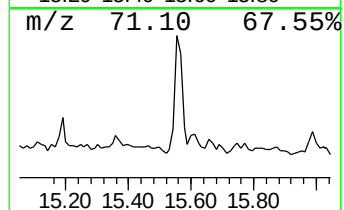
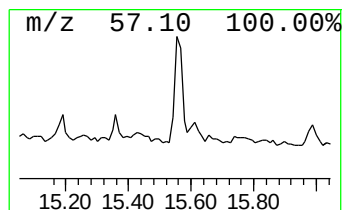
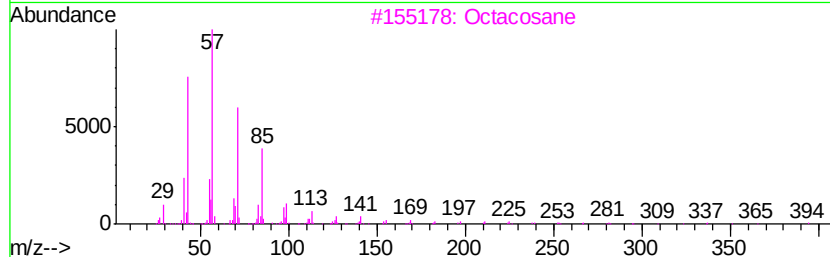
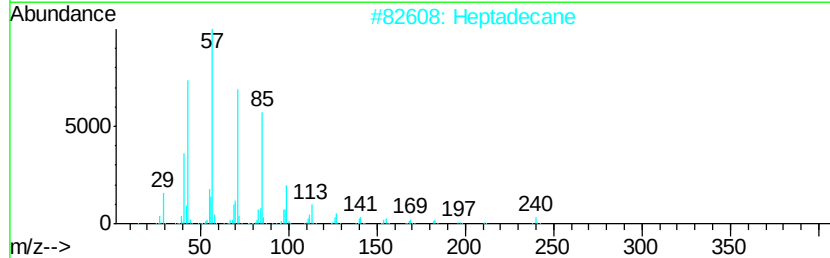
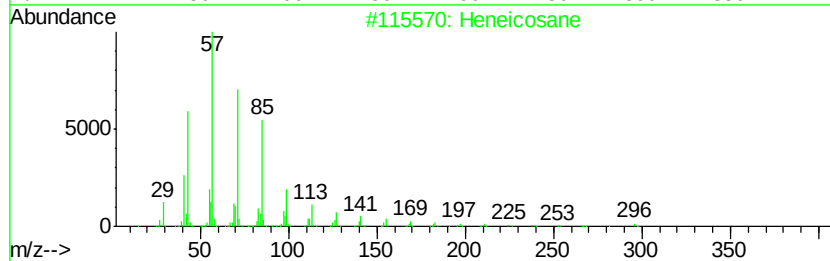
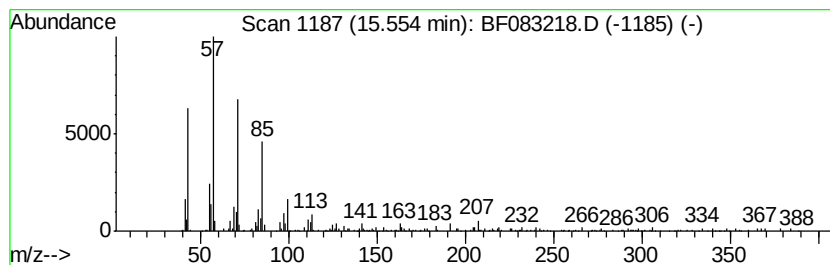
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	4.55 ng	253608	Perylene-d12	15.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	93
2		Heptadecane	240	C17H36	000629-78-7	93
3		Octacosane	394	C28H58	000630-02-4	90
4		Hentriacontane	437	C31H64	000630-04-6	87
5		Tetracosane	338	C24H50	000646-31-1	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
Data File : BF083218.D
Acq On : 23 Nov 2015 22:07
Operator : UM/IZ
Sample : G4512-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.79	47.7	ng	3095190	1	6.64	1298740	20.0
unknown6.41	6.41	80.0	ng	5198490	1	6.64	1298740	20.0
Hexadecane	10.12	3.5	ng	285762	3	9.68	1648950	20.0
4-(4-Methylphenyl...	10.34	2.5	ng	203271	3	9.68	1648950	20.0
Nonane, 5-butyl-	10.59	3.2	ng	295788	4	11.15	1871070	20.0
Eicosane	11.04	2.5	ng	233742	4	11.15	1871070	20.0
n-Hexadecanoic acid	11.70	7.4	ng	692887	4	11.15	1871070	20.0
4H-Cyclopenta[def...	11.76	2.4	ng	228733	4	11.15	1871070	20.0
Pentadecanoic acid	12.48	2.9	ng	299403	5	13.77	2095950	20.0
1-Heneicosyl formate	13.65	4.1	ng	428571	5	13.77	2095950	20.0
1-Tricosene	14.29	2.8	ng	296867	5	13.77	2095950	20.0
Heneicosane	15.55	4.5	ng	253608	6	15.14	1113670	20.0