

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103875.D
 Acq On : 23 Mar 2018 13:01
 Operator : JU/SJ
 Sample : J1998-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-101(14-15)

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-BF031518.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	2.293	31	35	52	rVB	98209	160127	3.89%	0.435%
2	5.210	527	531	540	rVB	109812	130833	3.18%	0.356%
3	5.598	591	597	600	rBV	2701781	2565614	62.29%	6.977%
4	6.598	761	767	769	rBV	2478187	2524174	61.28%	6.864%
5	6.745	787	792	795	rBV	2795340	2634838	63.97%	7.165%
6	6.798	798	801	804	rVB	93254	74918	1.82%	0.204%
7	6.975	827	831	834	rBV	1027002	842822	20.46%	2.292%
8	7.128	853	857	861	rVB	2201006	1888489	45.85%	5.136%
9	7.533	922	926	928	rBV	1791675	1544586	37.50%	4.200%
10	7.551	928	929	934	rVB	114900	83355	2.02%	0.227%
11	7.598	934	937	941	rBV3	31416	44941	1.09%	0.122%
12	8.222	1040	1043	1045	rBV	86612	66332	1.61%	0.180%
13	8.257	1045	1049	1051	rVV	1203598	1077456	26.16%	2.930%
14	8.275	1051	1052	1054	rVV	106278	68355	1.66%	0.186%
15	8.298	1054	1056	1059	rVB2	70554	51933	1.26%	0.141%
16	8.827	1144	1146	1151	rVB	58864	49743	1.21%	0.135%
17	8.969	1166	1170	1173	rBV	40567	41458	1.01%	0.113%
18	9.327	1227	1231	1234	rBV	2891540	2429683	58.99%	6.607%
19	9.398	1240	1243	1246	rVB	57509	50190	1.22%	0.136%
20	9.586	1272	1275	1280	rBV3	28583	44056	1.07%	0.120%
21	9.669	1281	1289	1292	rVV3	68093	84428	2.05%	0.230%
22	9.716	1294	1297	1305	rVB	314986	284394	6.90%	0.773%
23	9.874	1320	1324	1328	rBV	66251	60430	1.47%	0.164%
24	9.927	1330	1333	1336	rVB	101246	76551	1.86%	0.208%
25	10.016	1344	1348	1351	rBV	1259177	1077962	26.17%	2.931%
26	10.045	1351	1353	1360	rVB2	69899	70775	1.72%	0.192%
27	10.427	1415	1418	1421	rVB	105880	92418	2.24%	0.251%
28	10.563	1438	1441	1447	rVB	83615	81019	1.97%	0.220%
29	10.645	1450	1455	1458	rBV2	36019	50073	1.22%	0.136%
30	10.804	1478	1482	1487	rBV	1656402	1453689	35.29%	3.953%
31	10.904	1496	1499	1507	rBV	93064	135131	3.28%	0.367%
32	11.010	1513	1517	1519	rBV	93113	75563	1.83%	0.205%
33	11.110	1529	1534	1536	rBV4	27714	43657	1.06%	0.119%
34	11.351	1572	1575	1578	rBV	84947	67476	1.64%	0.183%

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35	11.510	1598	1602	1604	rBV	989603	935267	22.71%	2.543%
36	11.527	1604	1605	1610	rVB	313592	243691	5.92%	0.663%
37	11.580	1612	1614	1617	rBV	73657	62161	1.51%	0.169%
38	11.780	1645	1648	1650	rBV	56107	45152	1.10%	0.123%
39	11.804	1650	1652	1655	rVB2	129143	106765	2.59%	0.290%
40	11.886	1662	1666	1669	rVB	2329939	2087194	50.67%	5.676%
41	12.010	1684	1687	1690	rBV2	91204	117529	2.85%	0.320%
42	12.039	1690	1692	1696	rVB	74230	63661	1.55%	0.173%
43	12.121	1703	1706	1708	rBV2	91884	87668	2.13%	0.238%
44	12.574	1779	1783	1785	rBV	3262089	3461777	84.05%	9.414%
45	12.598	1785	1787	1793	rVV2	4171001	4118956	100.00%	11.201%
46	12.674	1797	1800	1805	rVV	1042416	1004692	24.39%	2.732%
47	12.727	1806	1809	1812	rVB	316708	280188	6.80%	0.762%
48	12.957	1845	1848	1854	rVB	345104	362688	8.81%	0.986%
49	13.092	1868	1871	1875	rBV	1690424	1517508	36.84%	4.127%
50	13.280	1901	1903	1906	rVB	76897	67407	1.64%	0.183%
51	13.327	1909	1911	1913	rVB2	62774	50437	1.22%	0.137%
52	13.980	2019	2022	2026	rBV2	202943	216918	5.27%	0.590%
53	14.080	2037	2039	2042	rBV3	88299	110358	2.68%	0.300%
54	14.162	2049	2053	2056	rBV2	845724	955484	23.20%	2.598%
55	15.715	2314	2317	2324	rVB2	636682	849324	20.62%	2.310%

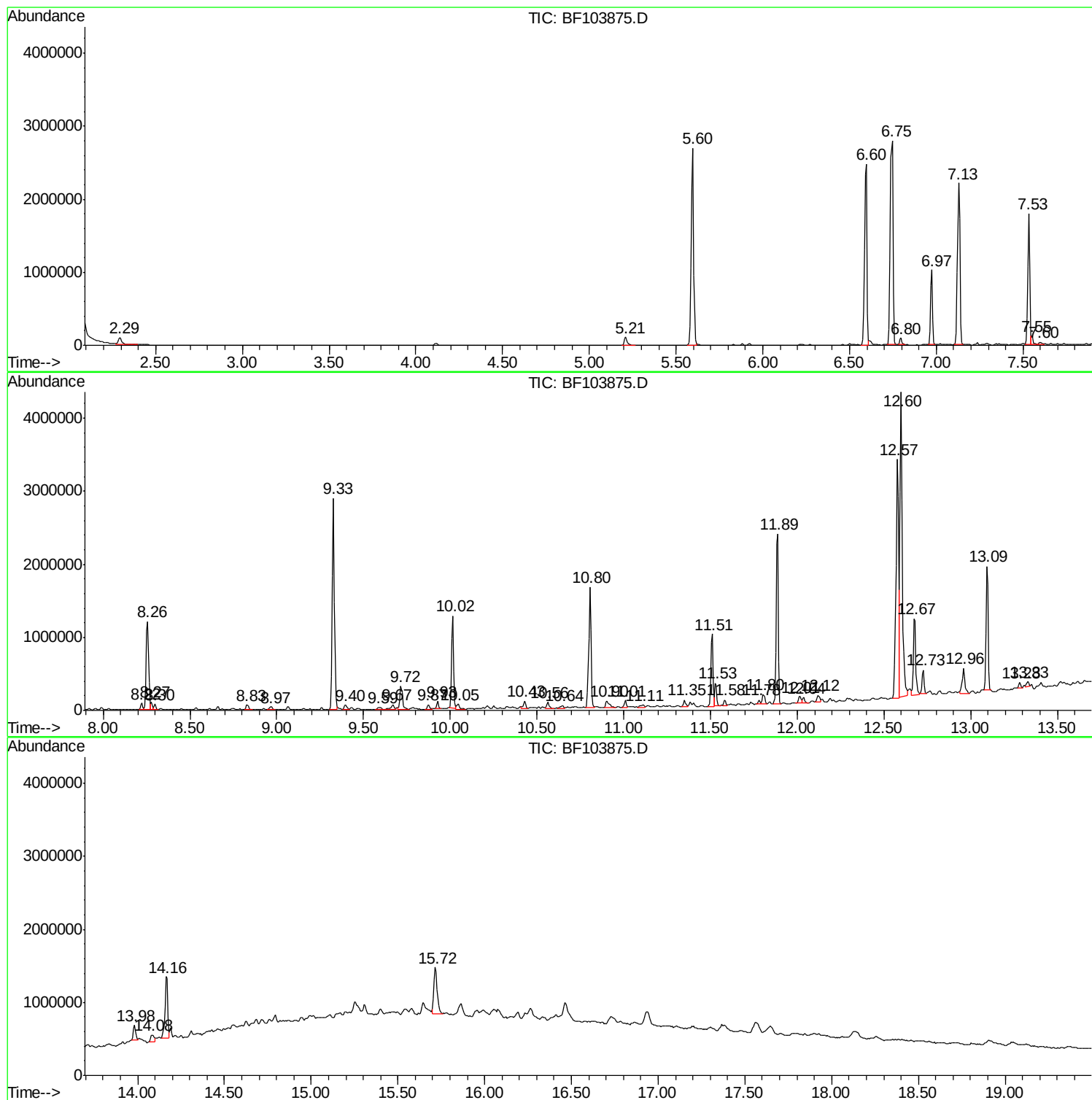
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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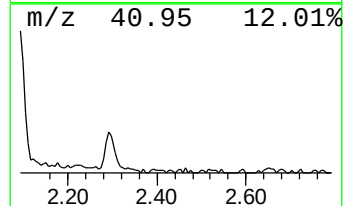
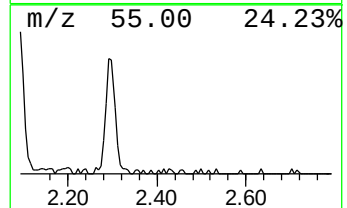
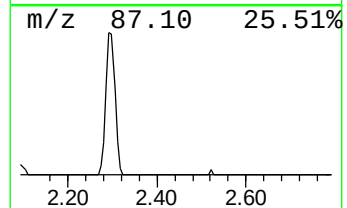
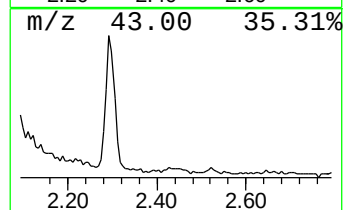
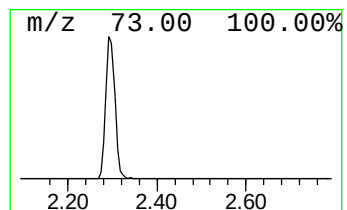
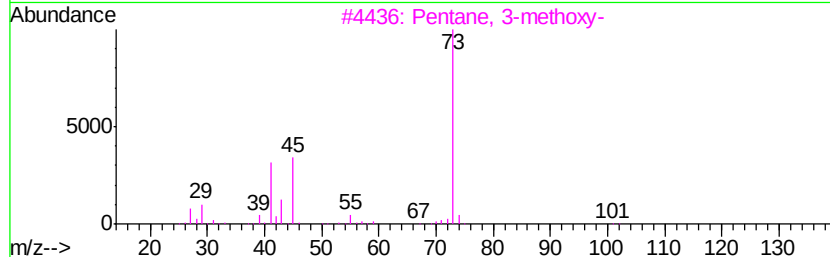
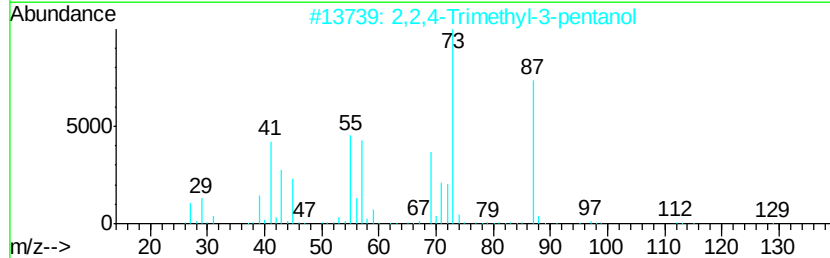
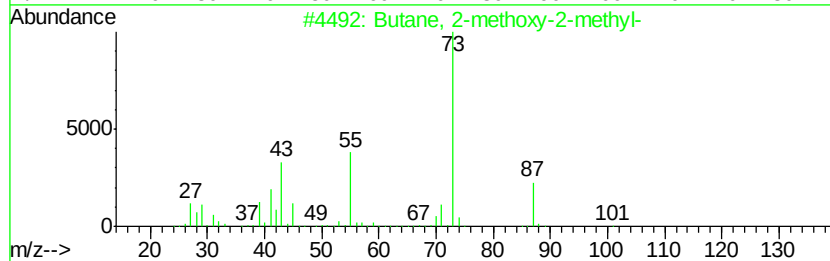
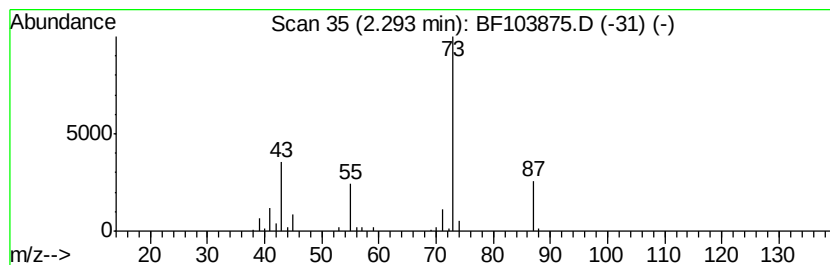
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.29	3.80 ng	160127	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4			3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
5			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10



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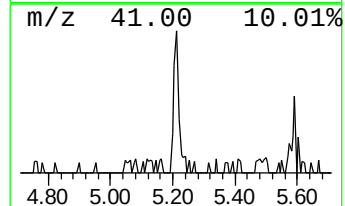
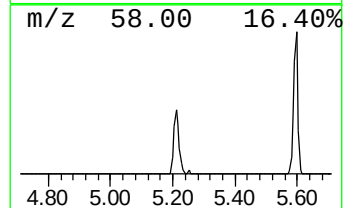
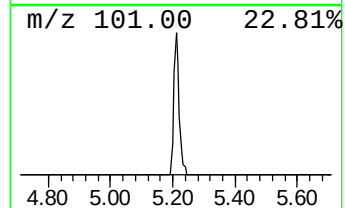
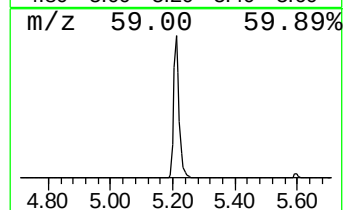
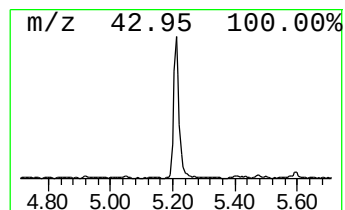
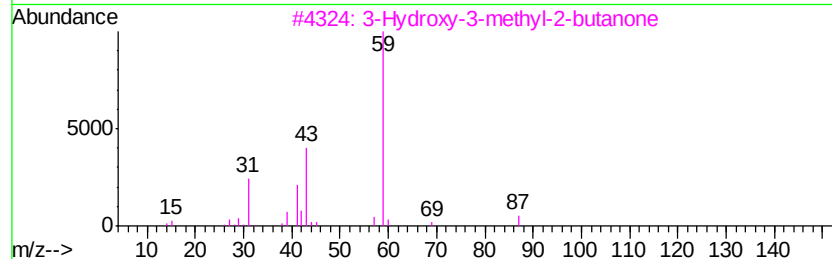
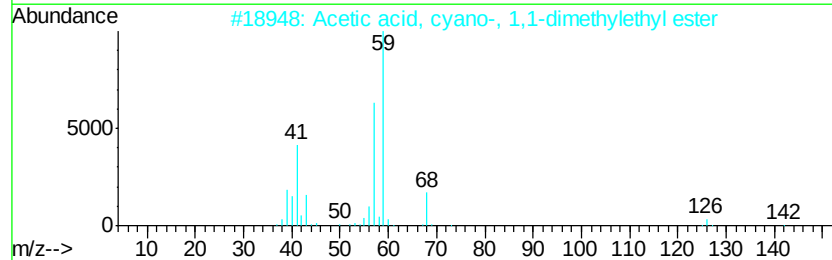
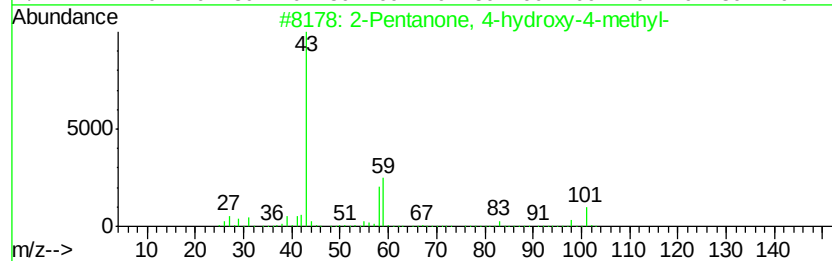
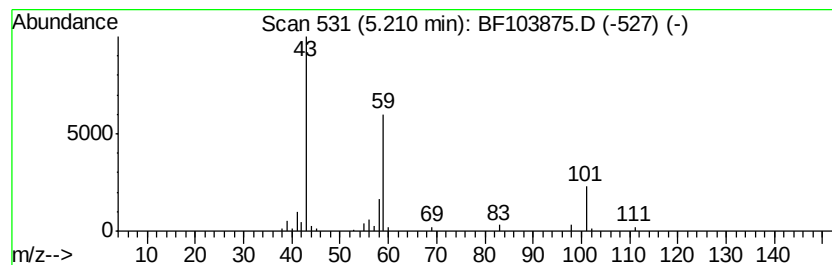
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	3.10 ng	130833	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17
3			3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	12
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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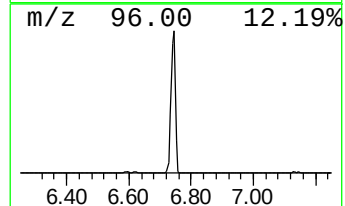
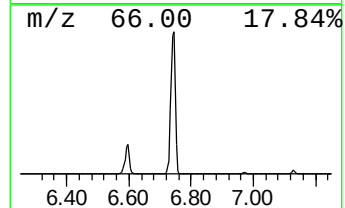
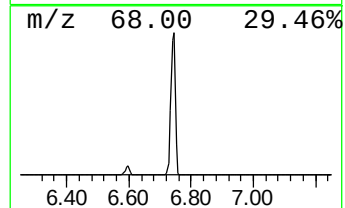
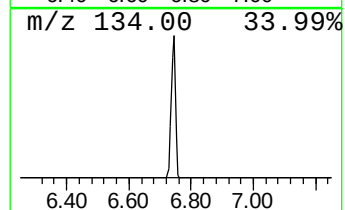
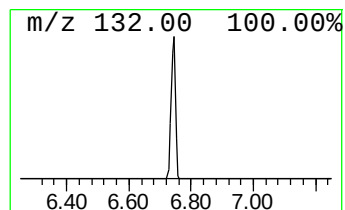
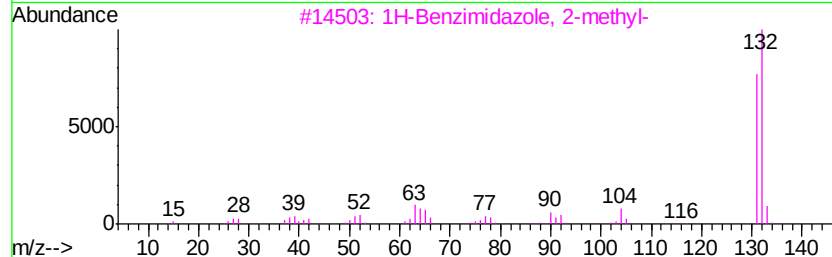
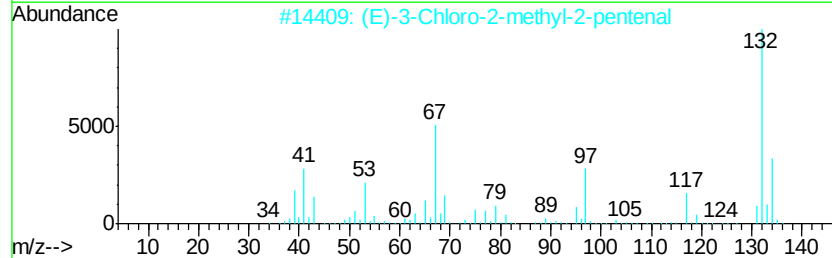
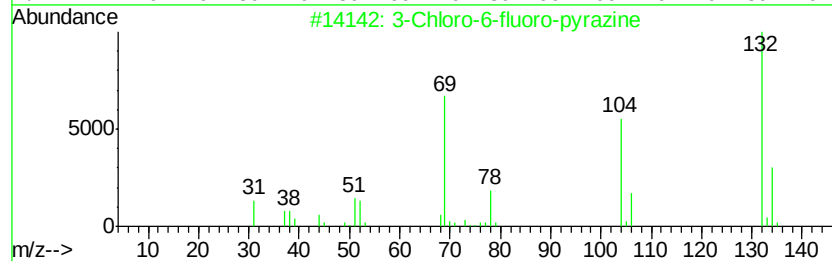
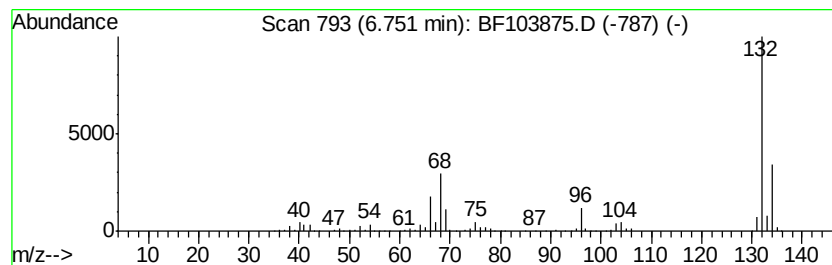
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 unknown6.75 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	62.52 ng	2634840	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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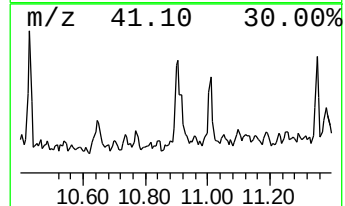
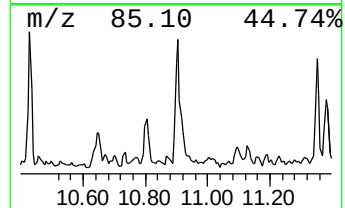
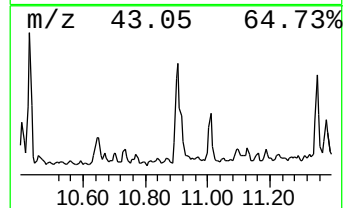
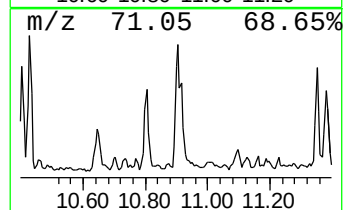
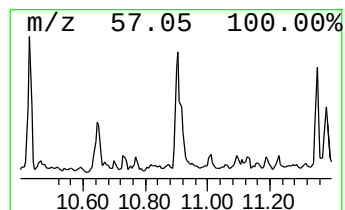
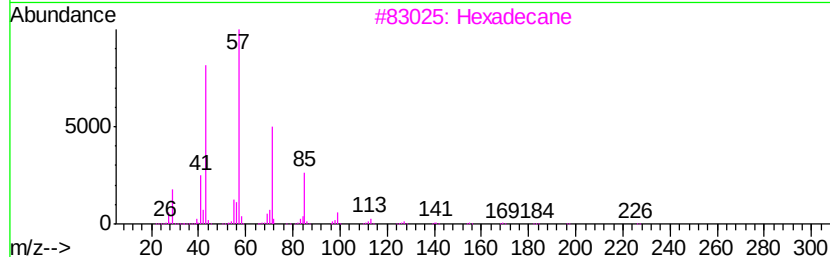
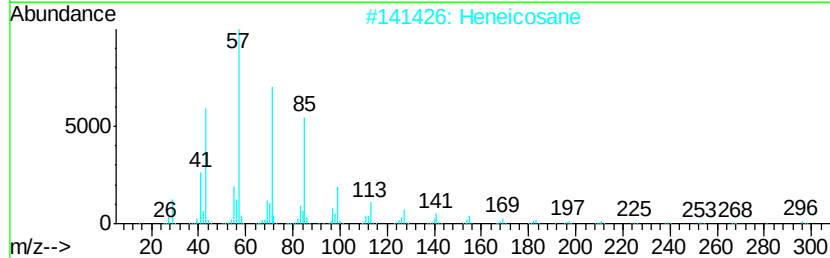
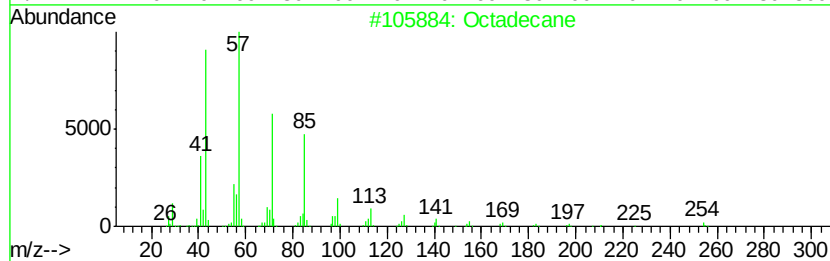
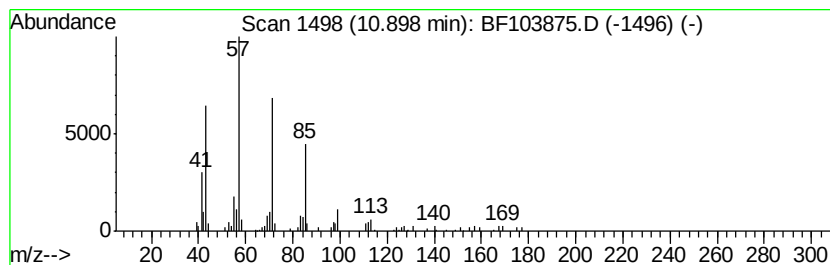
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 5 Octadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	2.89 ng	135131	Phenanthrene-d10	11.51

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane		254	C18H38	000593-45-3	91
2	Heneicosane		296	C21H44	000629-94-7	91
3	Hexadecane		226	C16H34	000544-76-3	90
4	2-Bromo dodecane		248	C12H25Br	013187-99-0	90
5	Pentadecane		212	C15H32	000629-62-9	86



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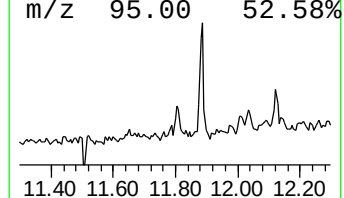
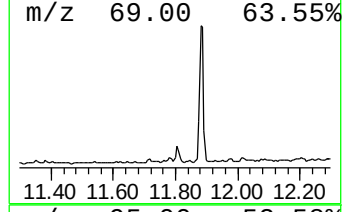
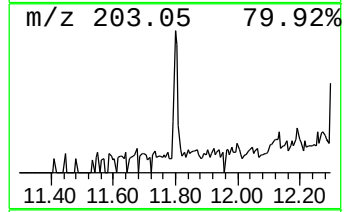
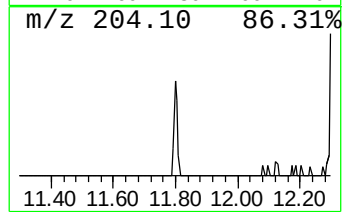
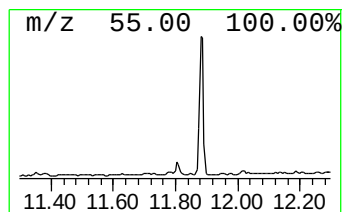
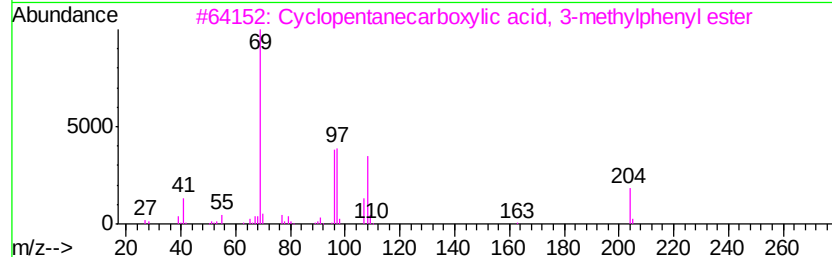
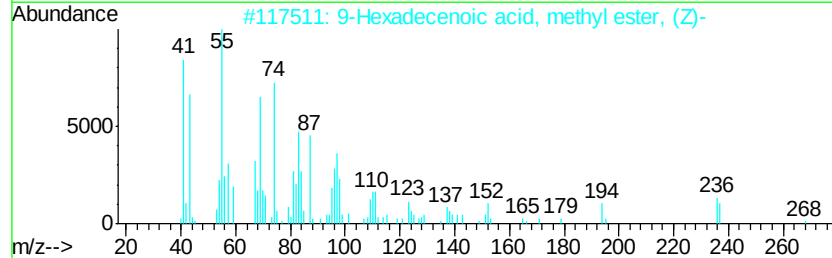
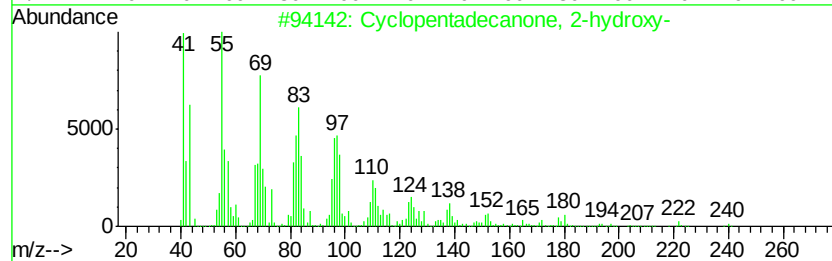
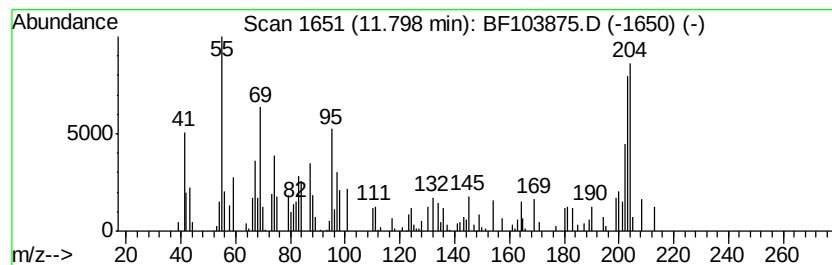
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cyclopentadecanone, 2-hydroxy- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	2.28 ng	106765	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentadecanone, 2-hydroxy-	240	C15H28O2	004727-18-8	64
2		9-Hexadecenoic acid, methyl este...	268	C17H32O2	001120-25-8	53
3		Cyclopentanecarboxylic acid, 3-m...	204	C13H16O2	1000307-57-4	43
4		7-Hexadecenoic acid, methyl este...	268	C17H32O2	056875-67-3	38
5		Cyclopentaneethanol, .beta.,2,3-...	156	C10H20O	021721-18-6	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
Data File : BF103875.D
Acq On : 23 Mar 2018 13:01
Operator : JU/SJ
Sample : J1998-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-101(14-15)

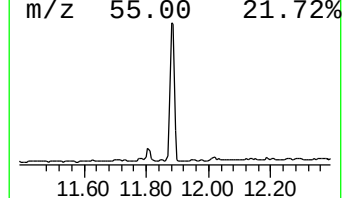
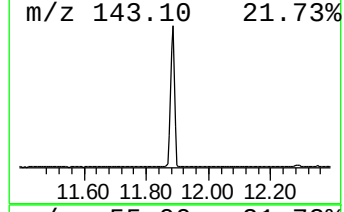
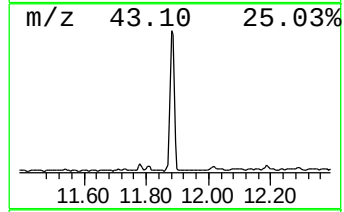
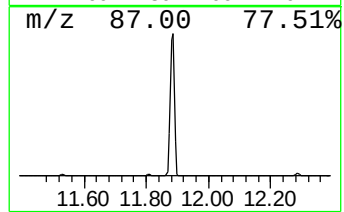
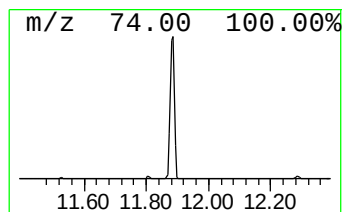
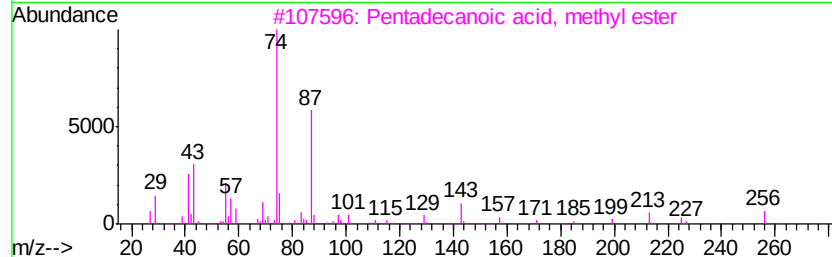
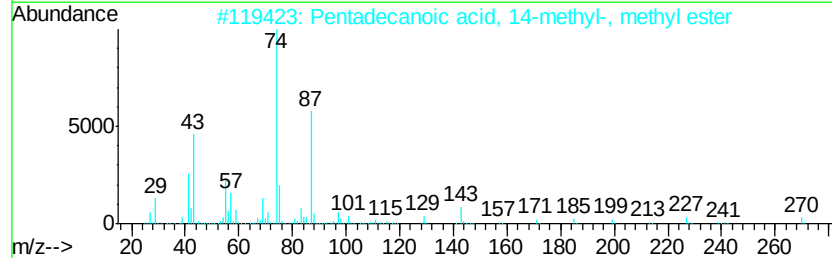
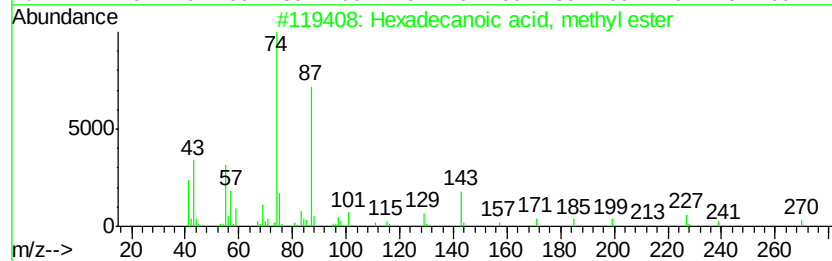
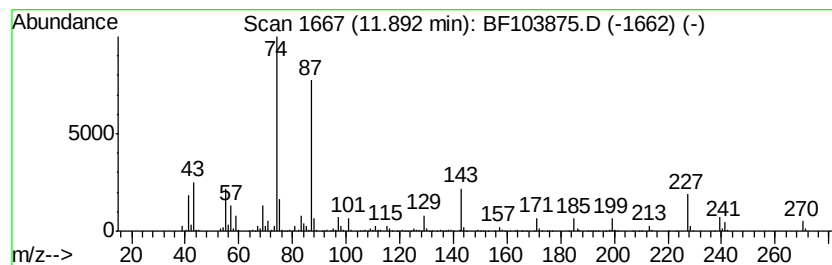
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	44.63 ng	2087190	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4		Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	86
5		Methyl tetradecanoate	242	C15H30O2	000124-10-7	80



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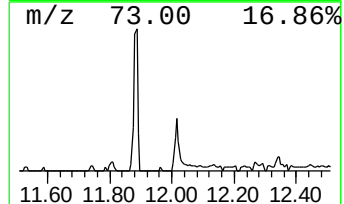
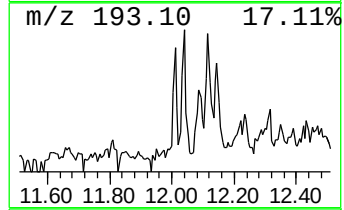
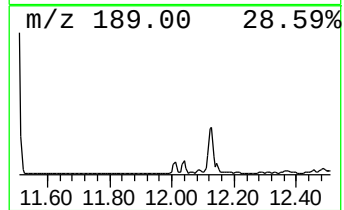
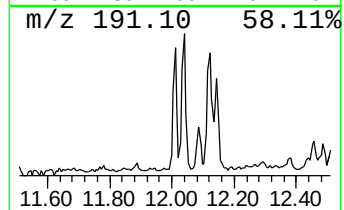
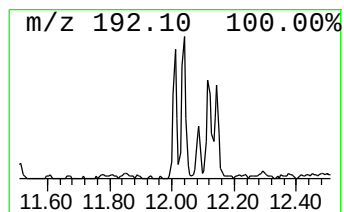
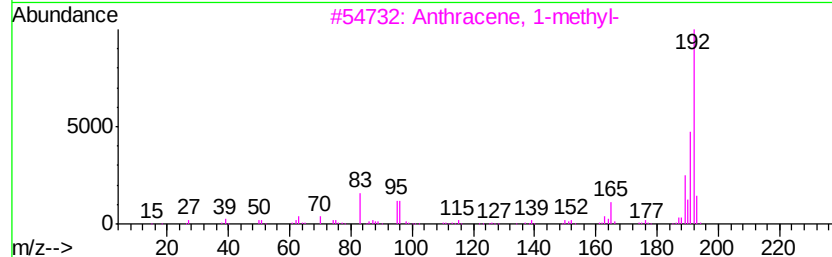
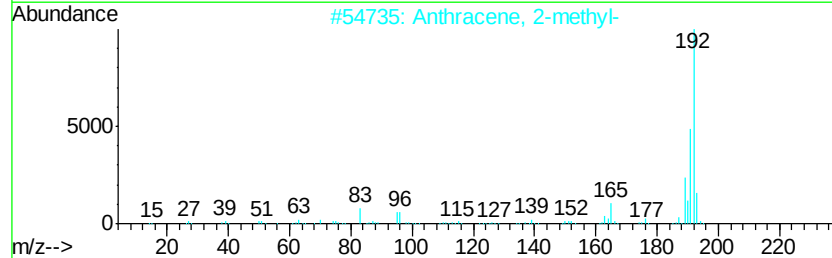
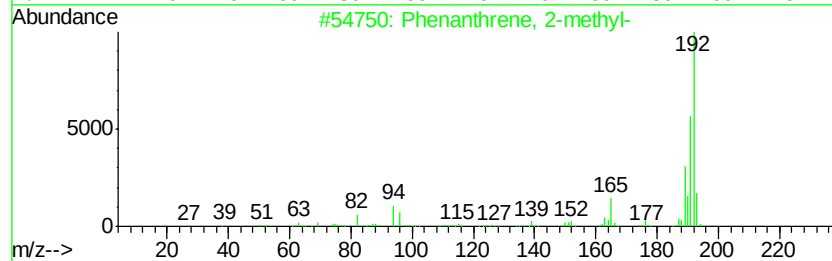
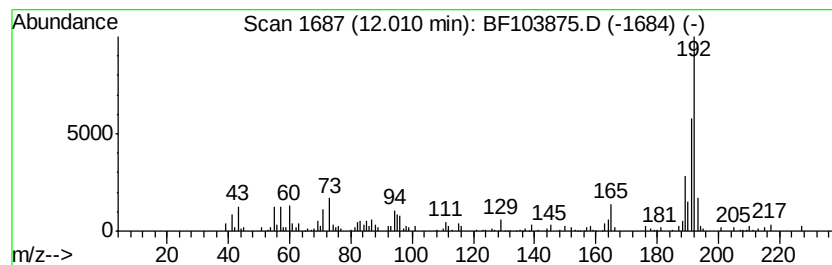
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	2.51 ng	117529	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	86
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	81



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Sample : J1998-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

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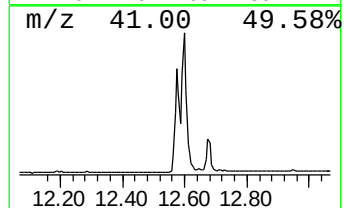
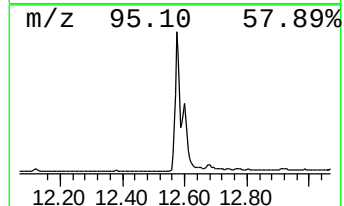
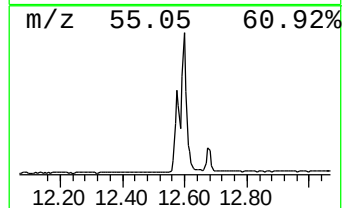
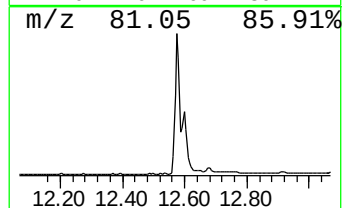
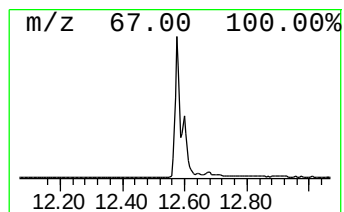
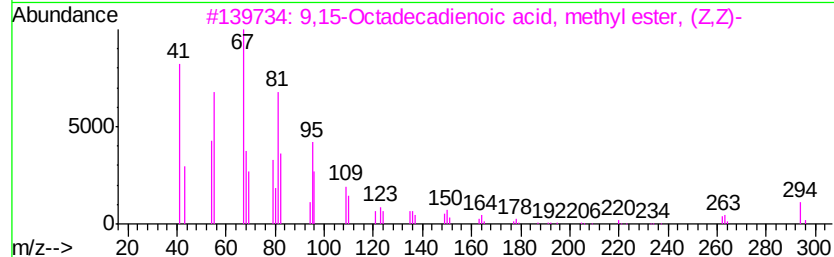
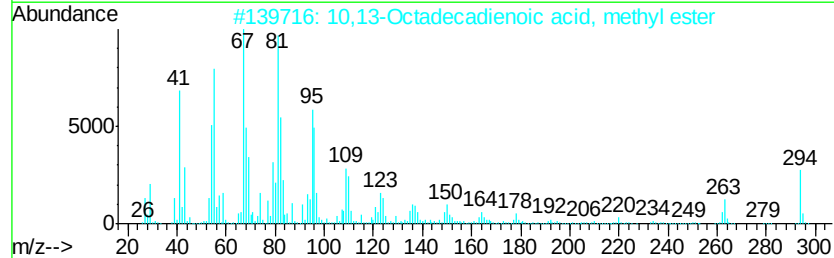
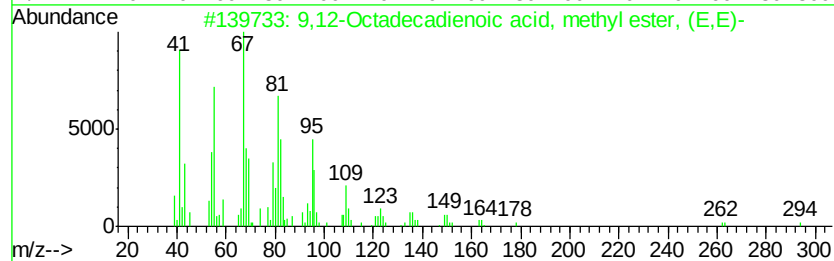
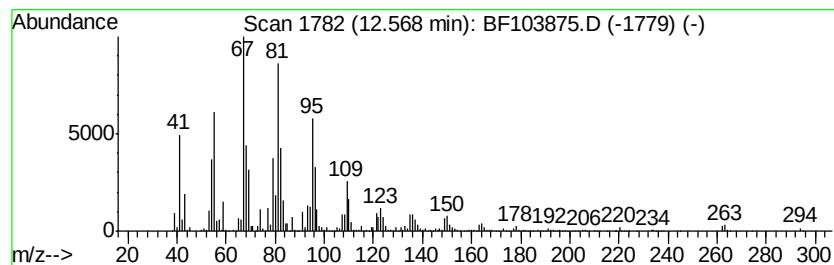
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	74.03 ng	3461780	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2		10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3		9,15-Octadecadienoic acid, methv...	294	C19H34O2	017309-05-6	99
4		9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5		11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	98



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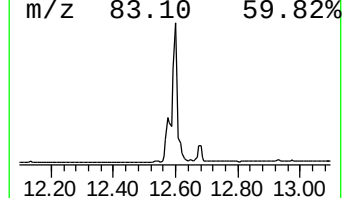
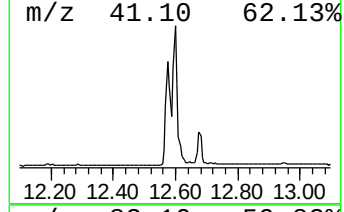
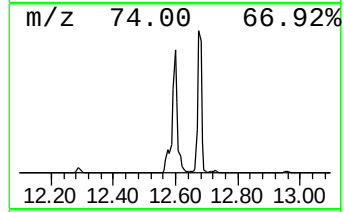
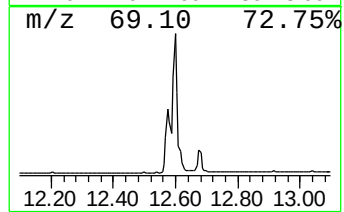
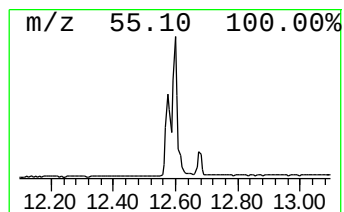
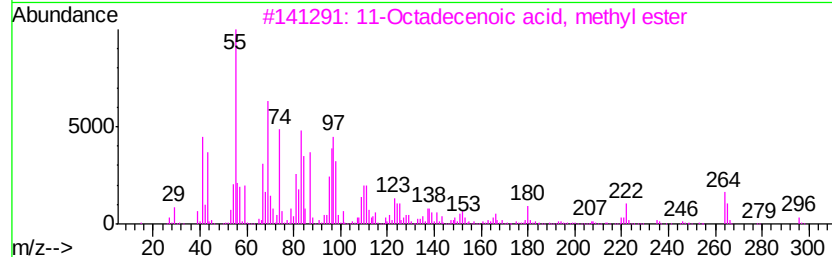
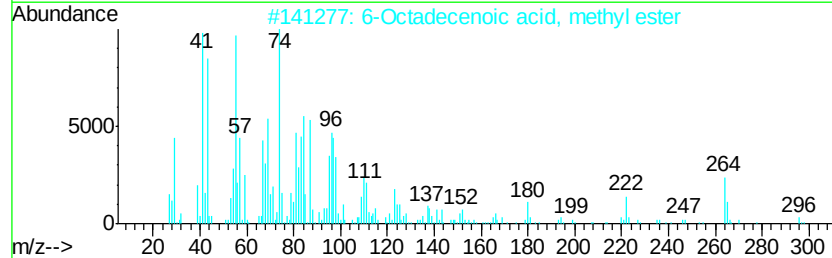
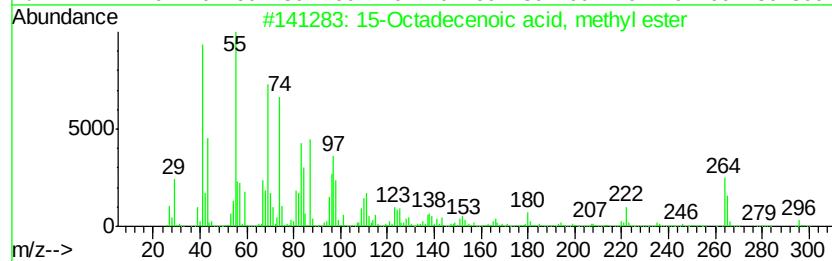
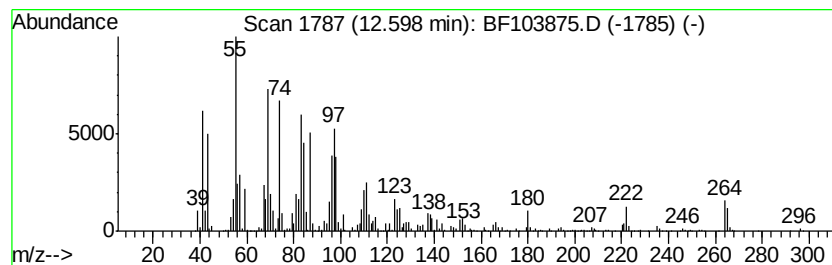
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 15-Octadecenoic acid, methyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	88.08 ng	4118960	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
2		6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	94
3		11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	94
4		10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	94
5		9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
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Operator : JU/SJ
Sample : J1998-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-101(14-15)

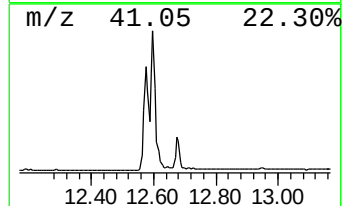
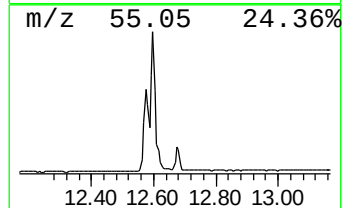
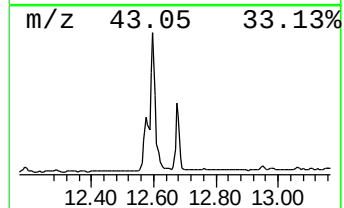
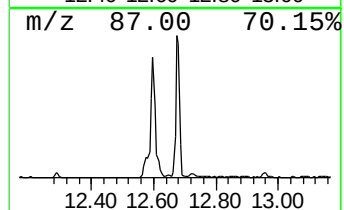
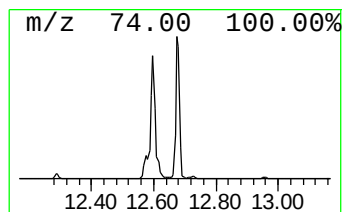
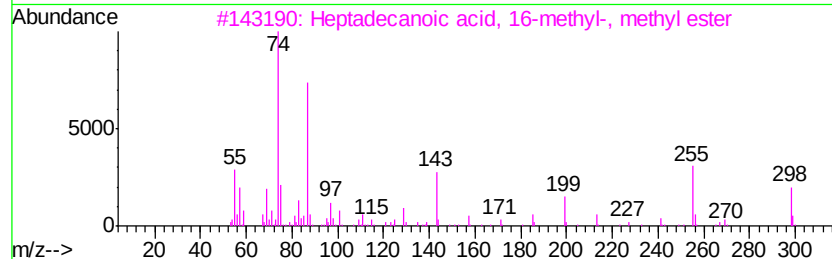
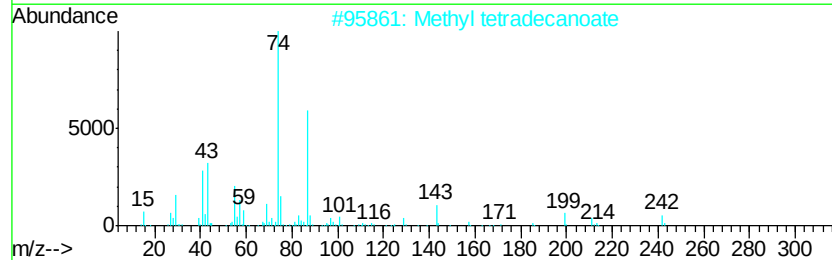
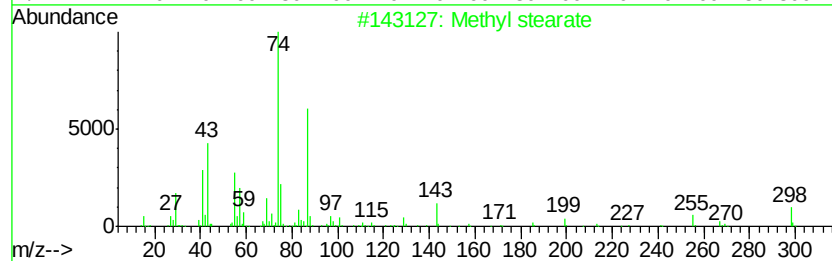
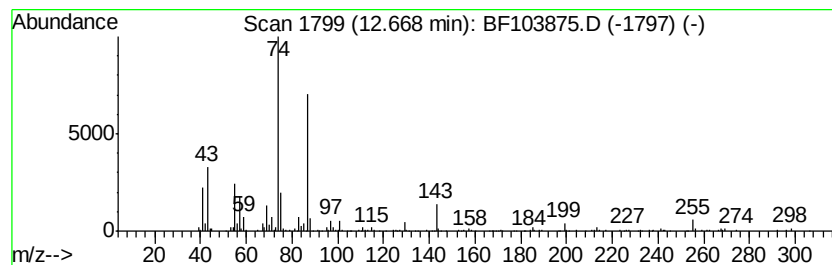
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Methyl stearate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	21.48 ng	1004690	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methyl stearate	298	C19H38O2	000112-61-8	97
2		Methyl tetradecanoate	242	C15H30O2	000124-10-7	95
3		Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	91
4		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
5		Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
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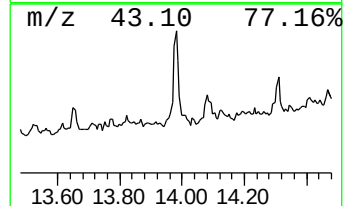
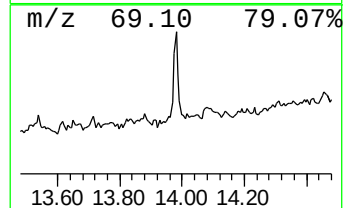
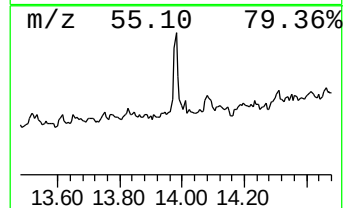
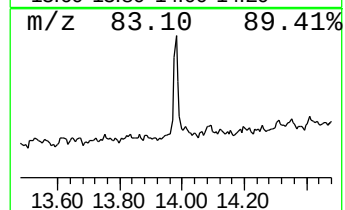
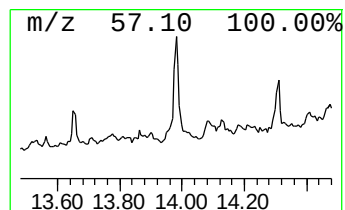
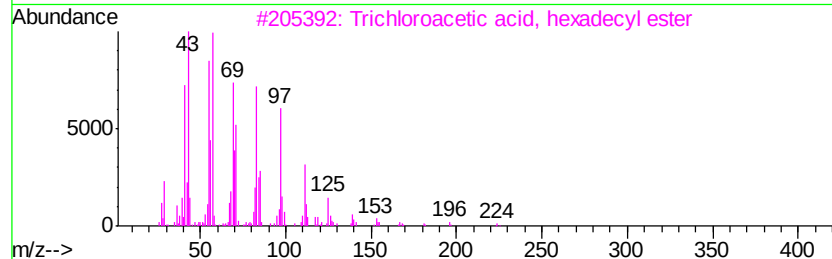
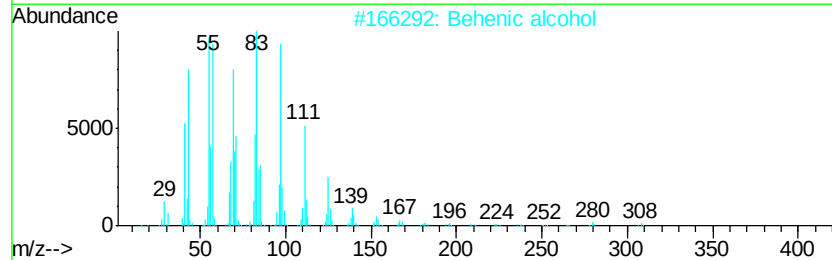
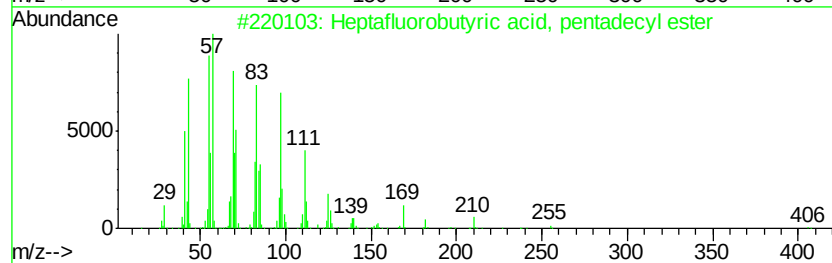
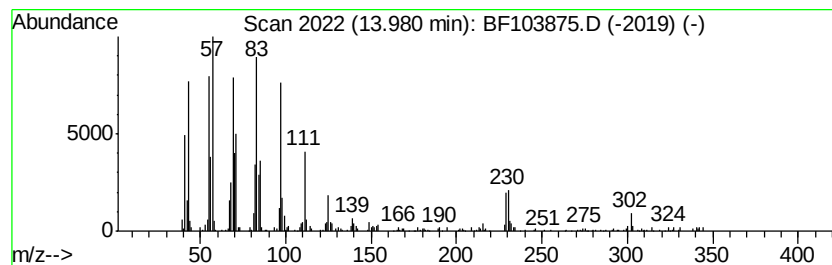
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Heptafluorobutyric acid, pe... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.98	4.54 ng	216918	Chrysene-d12	14.17	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	89
2	Behenic alcohol	326	C22H46O	000661-19-8	87
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	87
4	3-Eicosene, (E)-	280	C20H40	074685-33-9	83
5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	83



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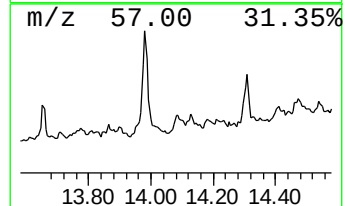
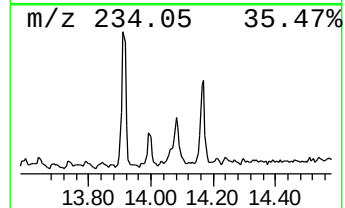
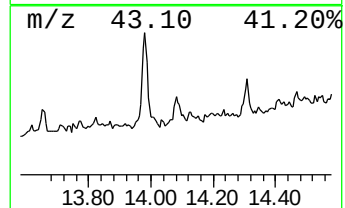
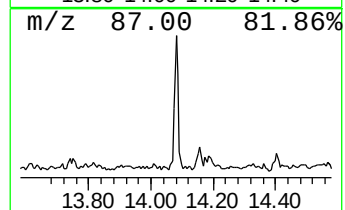
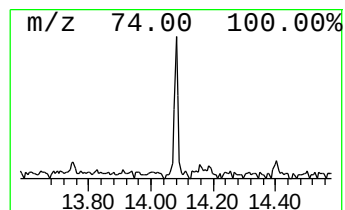
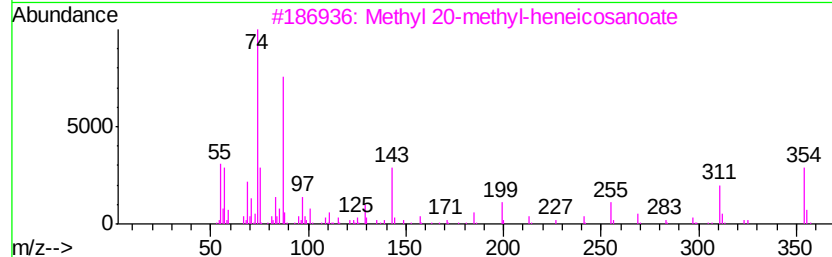
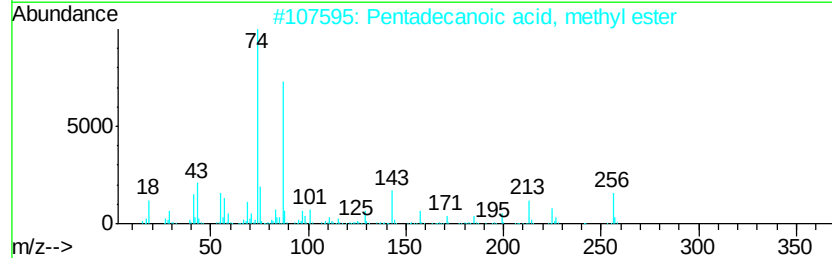
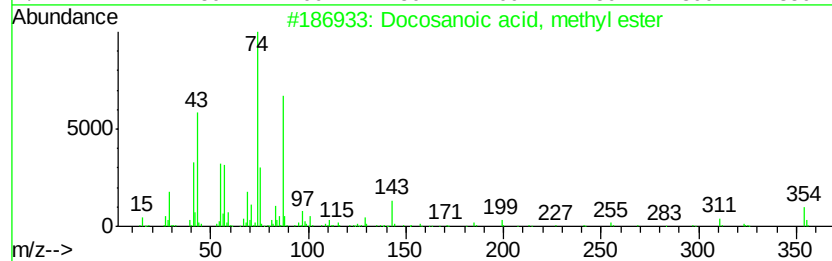
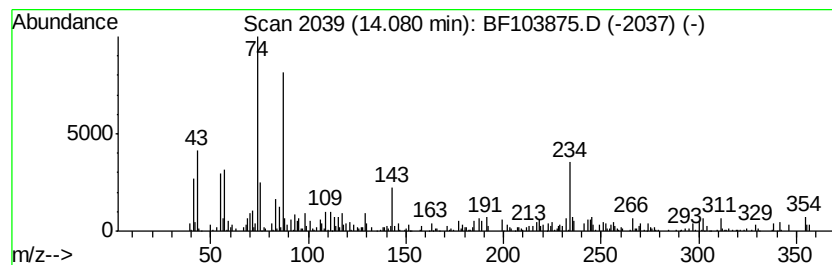
Instrument :
BNA_F
ClientSampleId :
MW-101(14-15)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Docosanoic acid, methyl ester Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	2.31 ng	110358	Chrysene-d12	14.17
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Docosanoic acid, methyl ester	354 C23H46O2	000929-77-1 90
2		Pentadecanoic acid, methyl ester	256 C16H32O2	007132-64-1 76
3		Methyl 20-methyl-heneicosanoate	354 C23H46O2	1000336-47-4 72
4		Heptadecanoic acid, methyl ester	284 C18H36O2	001731-92-6 68
5		Hexadecanoic acid, methyl ester	270 C17H34O2	000112-39-0 64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032318\
 Data File : BF103875.D
 Acq On : 23 Mar 2018 13:01
 Operator : JU/SJ
 Sample : J1998-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-101(14-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	2.29	3.8	ng	160127	1	6.97	842822	20.0
2-Pentanone, 4-hy...	5.21	3.1	ng	130833	1	6.97	842822	20.0
unknown6.75	6.75	62.5	ng	2634840	1	6.97	842822	20.0
Octadecane	10.90	2.9	ng	135131	4	11.51	935267	20.0
Cyclopentadecanon...	11.80	2.3	ng	106765	4	11.51	935267	20.0
Hexadecanoic acid...	11.89	44.6	ng	2087190	4	11.51	935267	20.0
Phenanthrene, 2-m...	12.01	2.5	ng	117529	4	11.51	935267	20.0
9,12-Octadecadien...	12.57	74.0	ng	3461780	4	11.51	935267	20.0
15-Octadecenoic a...	12.60	88.1	ng	4118960	4	11.51	935267	20.0
Methyl stearate	12.67	21.5	ng	1004690	4	11.51	935267	20.0
Heptafluorobutyri...	13.98	4.5	ng	216918	5	14.17	955484	20.0
Docosanoic acid, ...	14.08	2.3	ng	110358	5	14.17	955484	20.0