

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111133.D
 Acq On : 6 Dec 2018 12:51
 Operator : JU/SJ
 Sample : J6206-19
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HLSP-SB-3B-(2-7.5)

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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	5.016	489	498	506	rVB	660142	906703	7.28%	0.782%
2	5.422	562	567	570	rBV	10623091	11181201	89.75%	9.644%
3	6.434	733	739	744	rBV2	10396022	12458780	100.00%	10.746%
4	6.575	758	763	766	rBV	11859045	11500998	92.31%	9.920%
5	6.804	799	802	806	rVB	3767369	3081460	24.73%	2.658%
6	6.963	825	829	832	rBV	9719835	8507227	68.28%	7.338%
7	7.363	892	897	900	rBV	7756556	7586860	60.90%	6.544%
8	8.086	1016	1020	1023	rBV	5129074	4049081	32.50%	3.492%
9	9.163	1199	1203	1207	rBV	11424511	11140820	89.42%	9.609%
10	9.557	1266	1270	1273	rBV	841443	700145	5.62%	0.604%
11	9.839	1314	1318	1322	rVB2	4986858	4458930	35.79%	3.846%
12	10.627	1447	1452	1455	rBV	8158734	7325087	58.79%	6.318%
13	11.322	1566	1570	1574	rBV	5330670	4314568	34.63%	3.721%
14	11.863	1656	1662	1677	rBV	2970574	3187805	25.59%	2.750%
15	12.563	1775	1781	1785	rBV4	167129	294677	2.37%	0.254%
16	12.645	1791	1795	1806	rBV	1206890	1242188	9.97%	1.071%
17	12.910	1836	1840	1844	rBV	10314914	10034040	80.54%	8.654%
18	13.127	1874	1877	1880	rBV	153969	151124	1.21%	0.130%
19	13.810	1990	1993	2002	rBV	3187650	3221750	25.86%	2.779%
20	13.957	2014	2018	2022	rBV	4246209	3658909	29.37%	3.156%
21	14.139	2046	2049	2054	rBV	210536	229694	1.84%	0.198%
22	14.451	2098	2102	2109	rBV	762699	830462	6.67%	0.716%
23	14.745	2149	2152	2161	rBV	229602	305528	2.45%	0.264%
24	14.821	2161	2165	2169	rVV	457652	436675	3.50%	0.377%
25	15.080	2205	2209	2211	rBV	389532	470385	3.78%	0.406%
26	15.392	2257	2262	2267	rBV	2284934	2710848	21.76%	2.338%
27	15.451	2268	2272	2277	rVB	283517	355145	2.85%	0.306%
28	15.880	2340	2345	2348	rBV	305739	435578	3.50%	0.376%
29	15.921	2348	2352	2360	rVV2	433821	699591	5.62%	0.603%
30	16.368	2425	2428	2434	rVB2	116023	180406	1.45%	0.156%
31	17.033	2537	2541	2548	rVB5	128966	283882	2.28%	0.245%

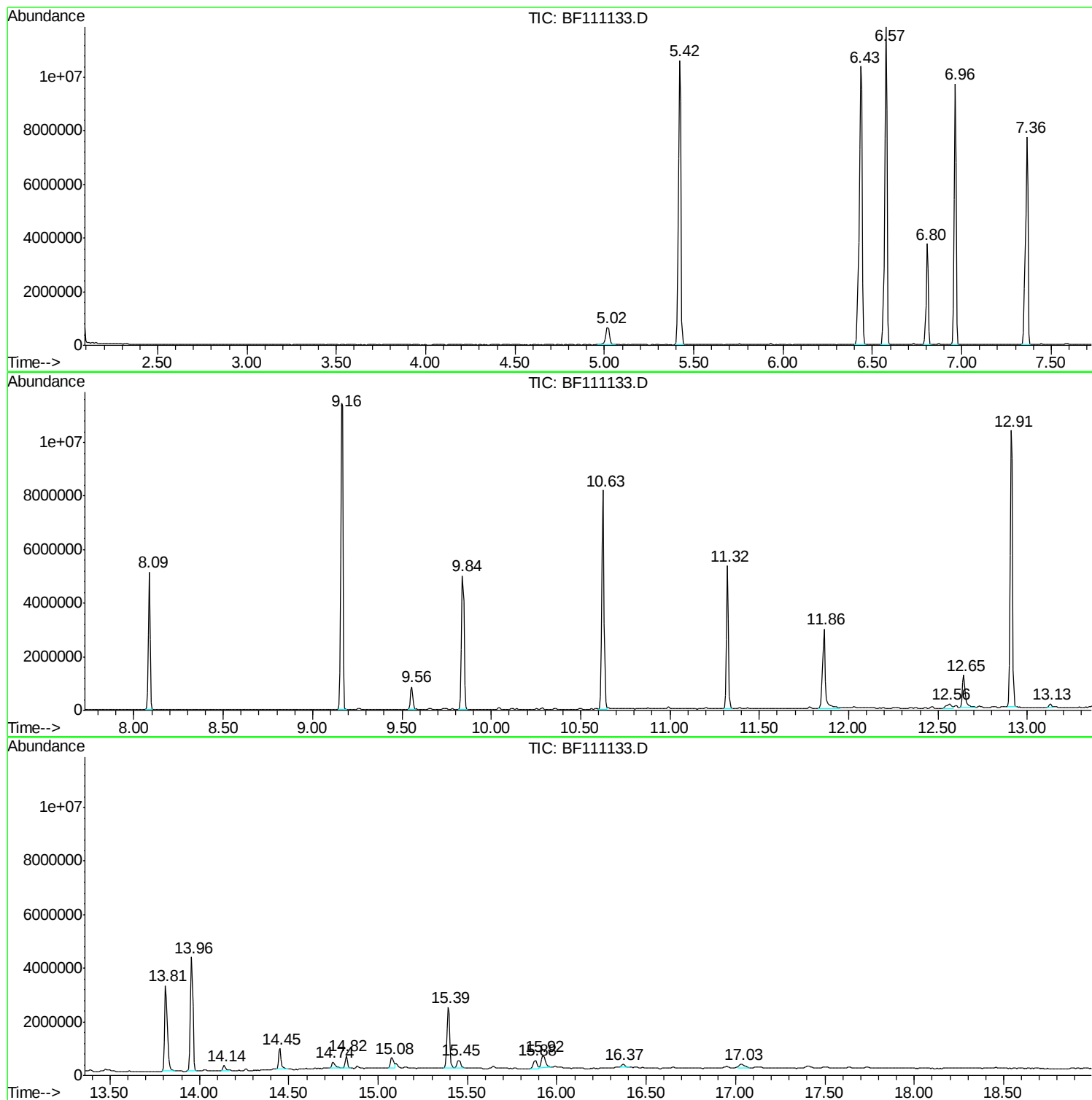
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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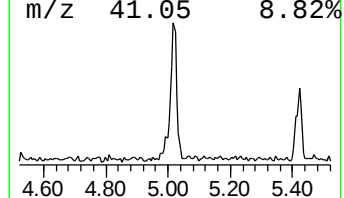
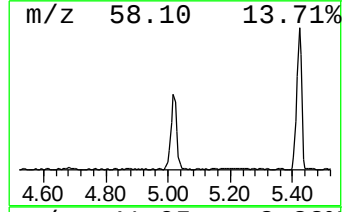
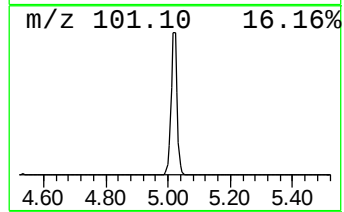
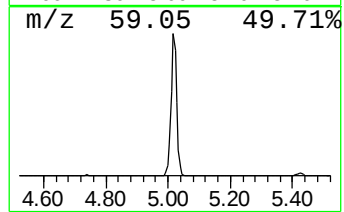
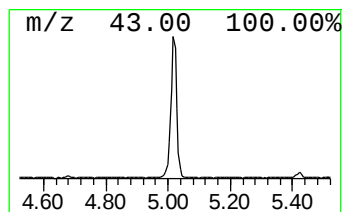
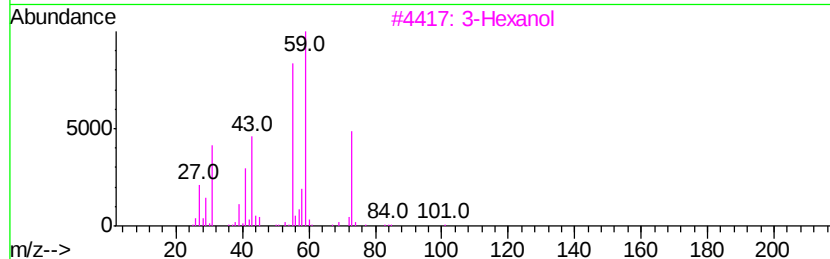
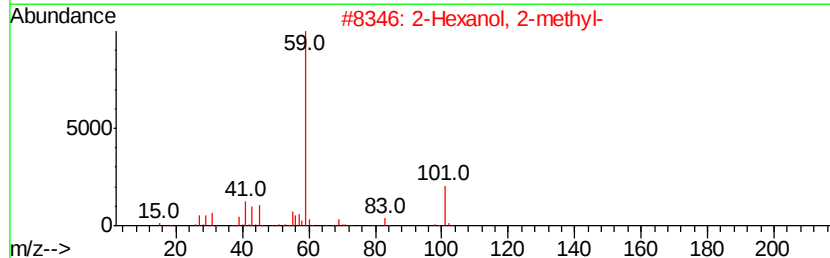
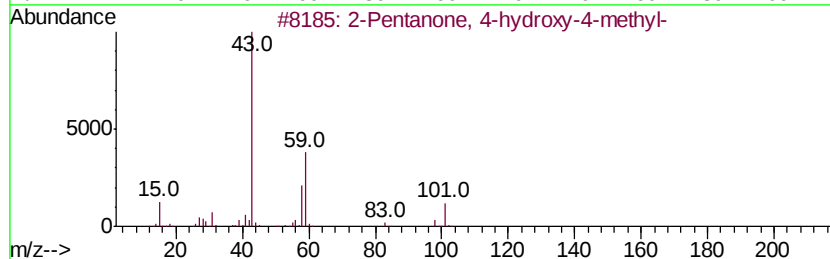
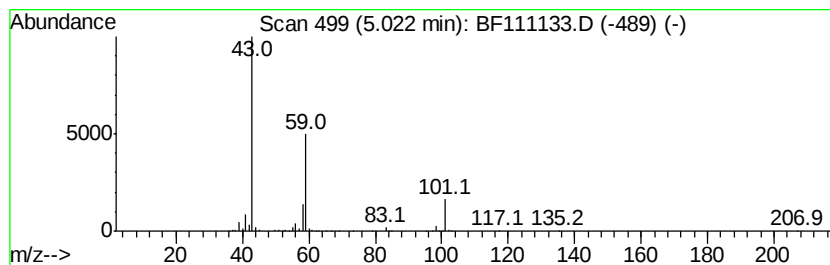
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	5.88 ng	906703	1,4-Dichlorobenzene-d4	6.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3			3-Hexanol	102	C6H14O	000623-37-0	33
4			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
5			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10



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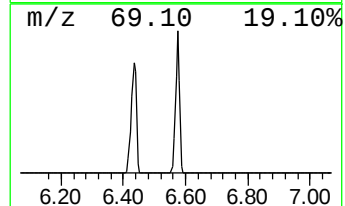
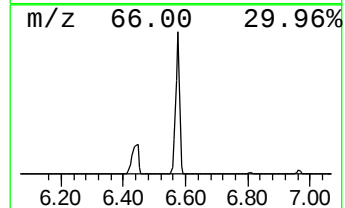
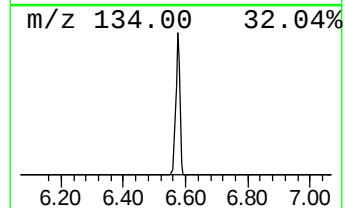
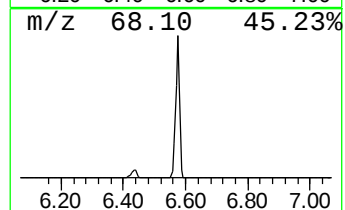
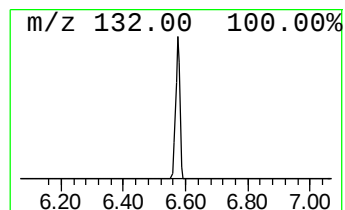
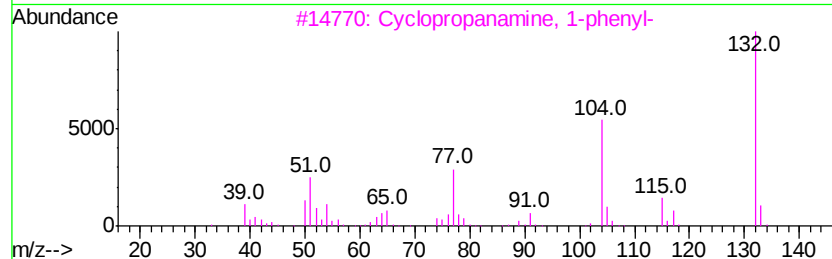
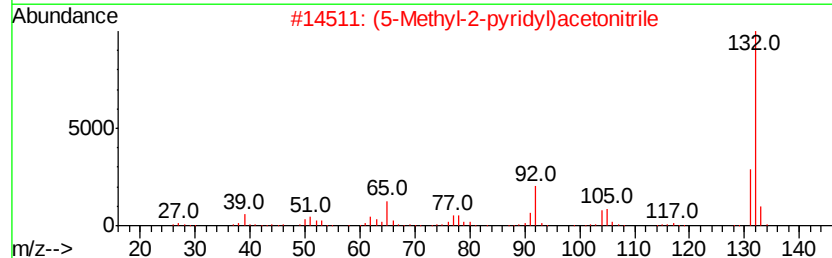
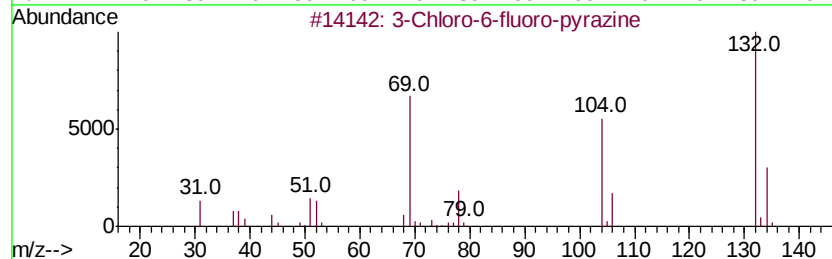
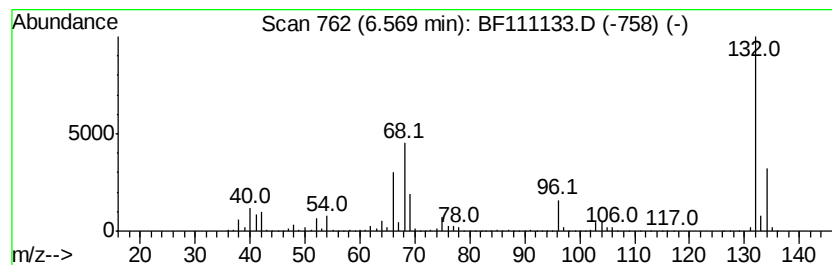
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Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	74.65 ng	11501000	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
3		Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9



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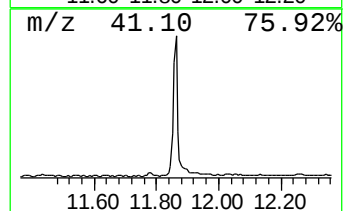
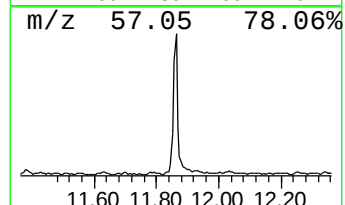
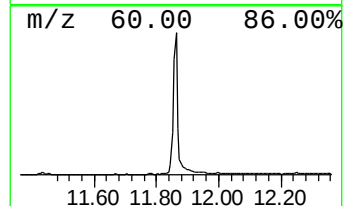
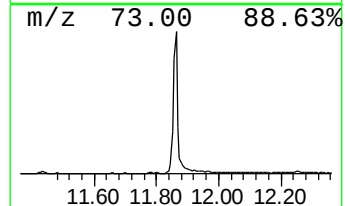
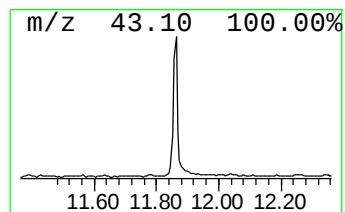
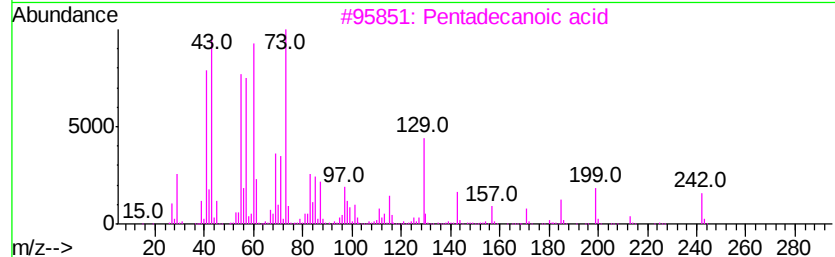
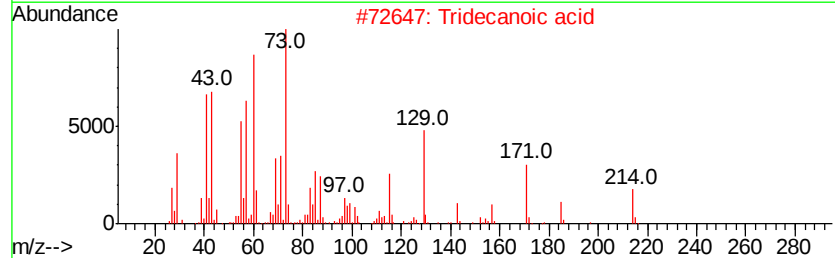
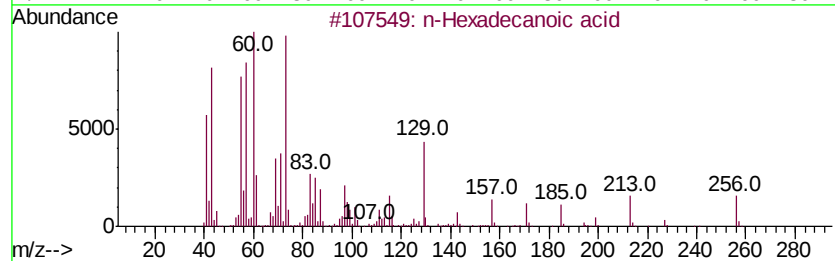
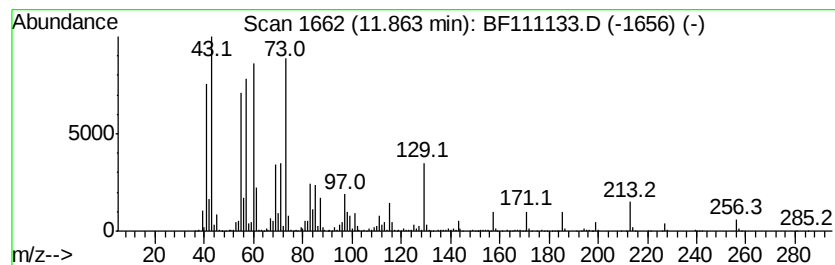
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	14.78 ng	3187810	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	81
5	Undecanoic acid	186	C11H22O2	000112-37-8	68



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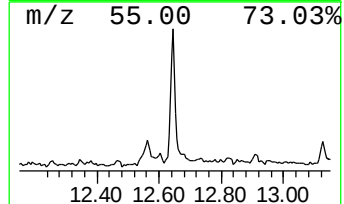
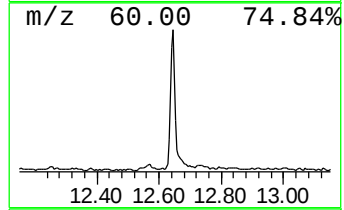
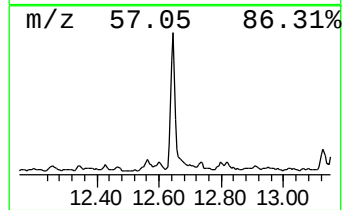
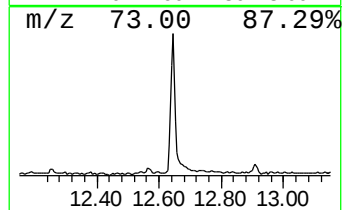
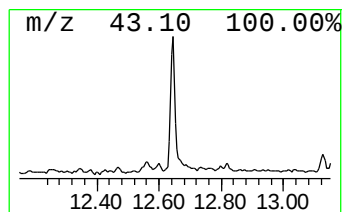
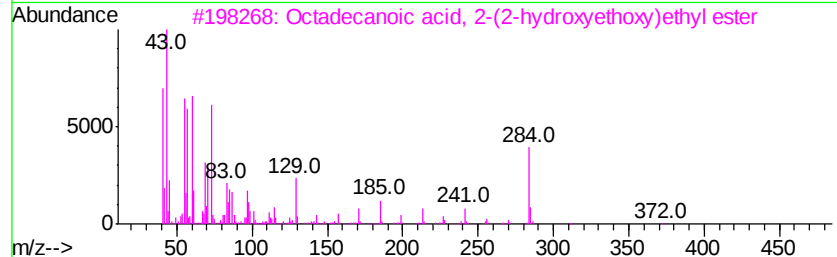
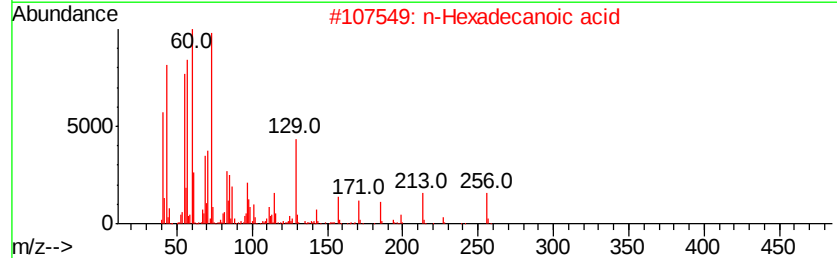
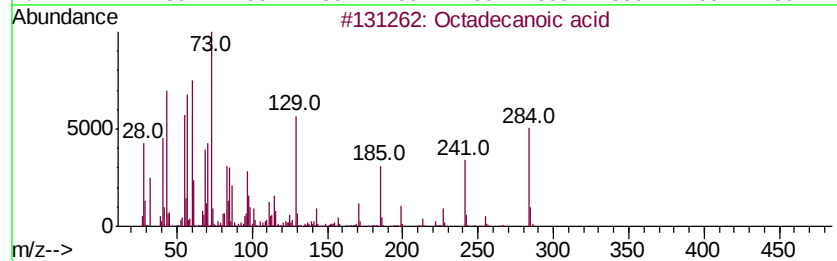
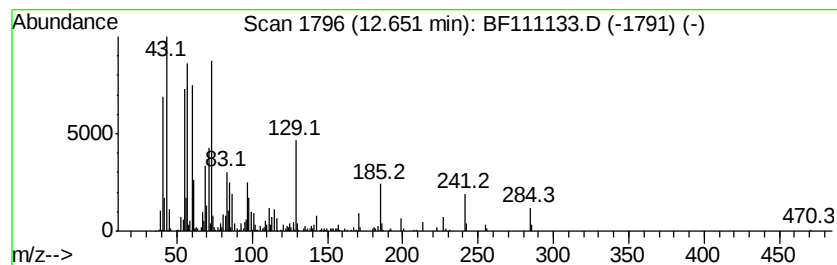
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Peak Number 5 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	6.79 ng	1242190	Chrysene-d12	13.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	91
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5		Tetradecanoic acid	228	C14H28O2	000544-63-8	72



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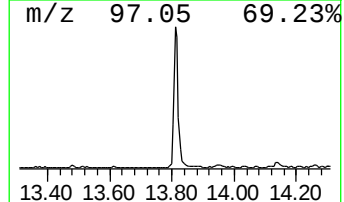
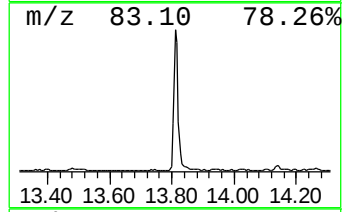
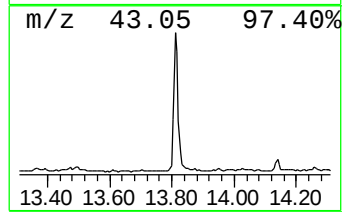
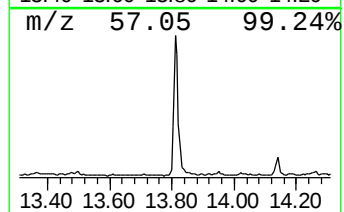
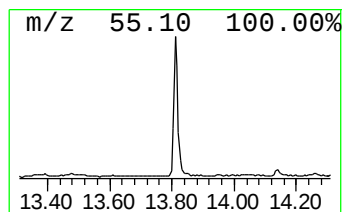
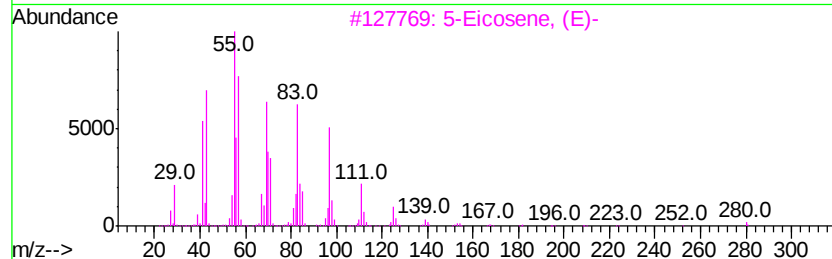
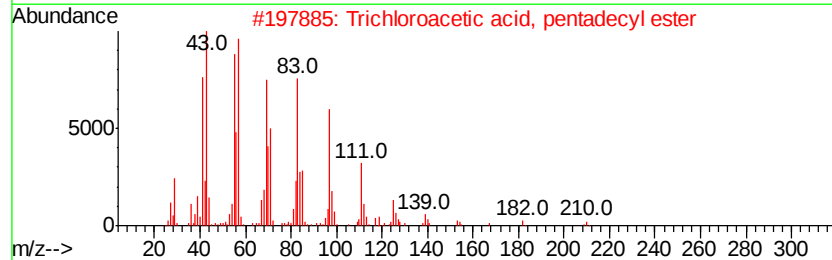
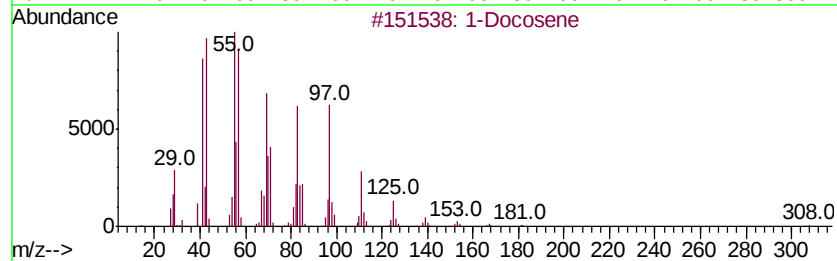
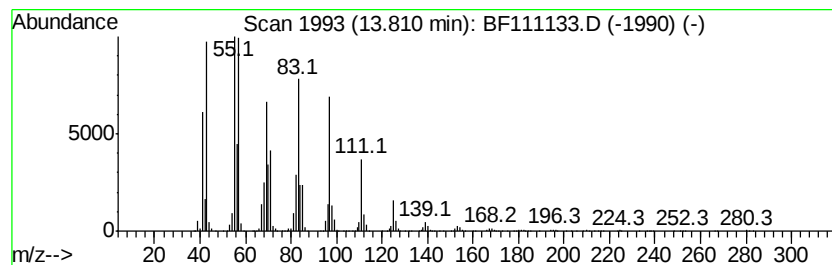
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TIC Library : C:\DATABASE\NIST11.L
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 Peak Number 6 Trichloroacetic acid, penta... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	17.61 ng	3221750	Chrysene-d12	13.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Docosene	308	C22H44	001599-67-3	94
2		Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
3		5-Eicosene, (E)-	280	C20H40	074685-30-6	91
4		Behenic alcohol	326	C22H46O	000661-19-8	91
5		Octacosanol	410	C28H58O	000557-61-9	91



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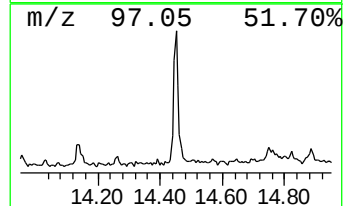
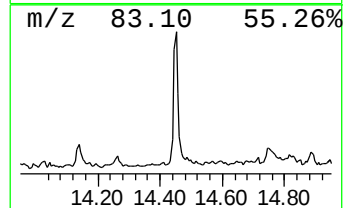
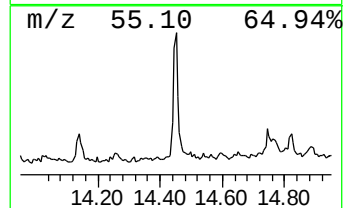
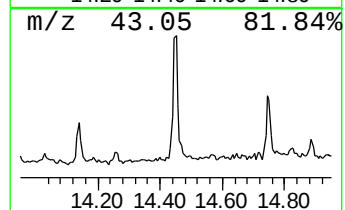
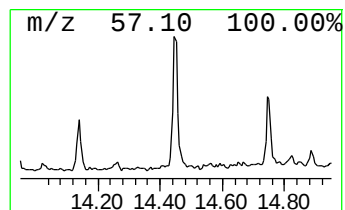
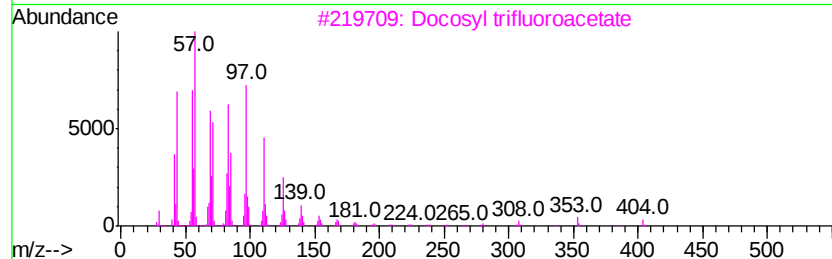
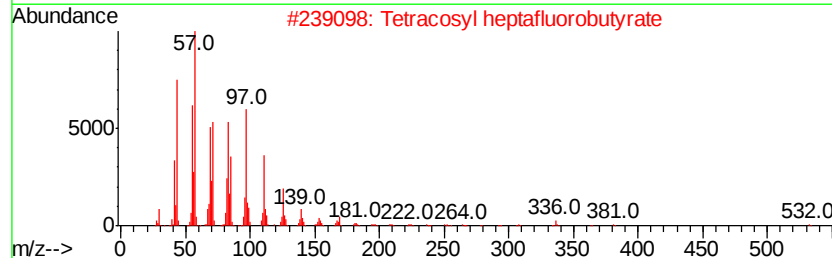
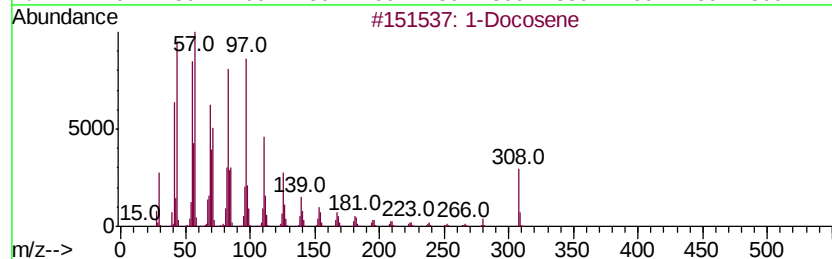
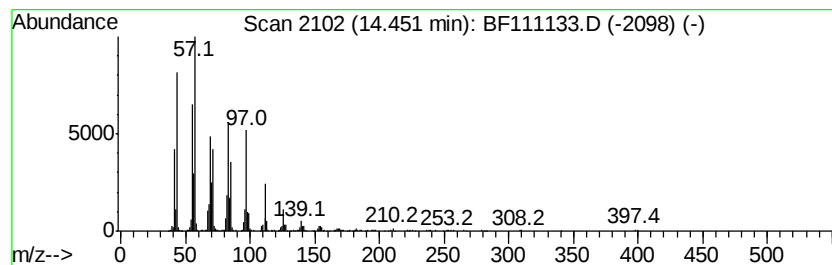
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ClientSampleId :
HLSP-SB-3B-(2-7.5)

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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 1-Docosene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	4.54 ng	830462	Chrysene-d12	13.96
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Docosene		308 C22H44	001599-67-3 98
2	Tetracosyl heptafluorobutyrate		550 C28H49F7O2	1000351-83-7 94
3	Docosyl trifluoroacetate		422 C24H45F3O2	1000351-75-5 91
4	Tetracosyl trifluoroacetate		450 C26H49F3O2	1000351-76-4 91
5	Docosyl pentafluoropropionate		472 C25H45F5O2	1000351-80-9 91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
Data File : BF111133.D
Acq On : 6 Dec 2018 12:51
Operator : JU/SJ
Sample : J6206-19
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HLSP-SB-3B-(2-7.5)

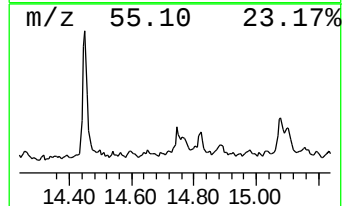
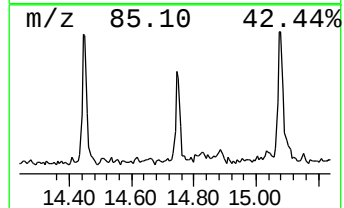
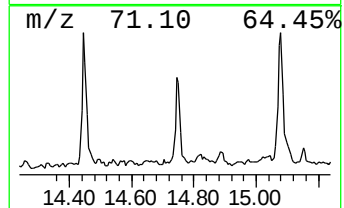
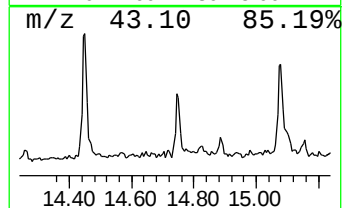
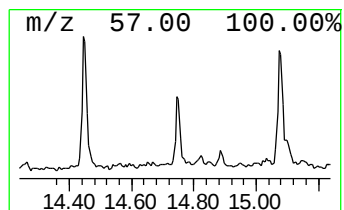
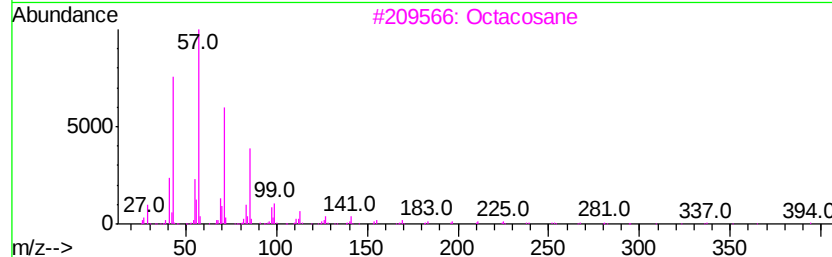
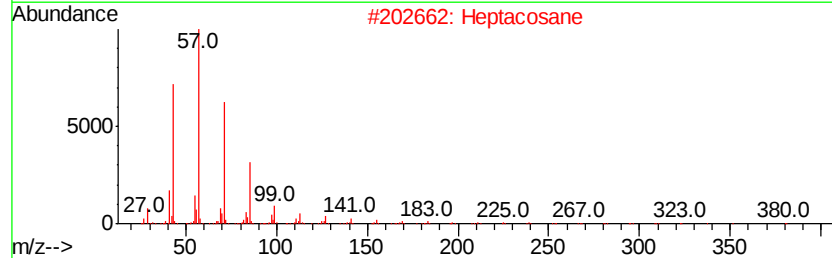
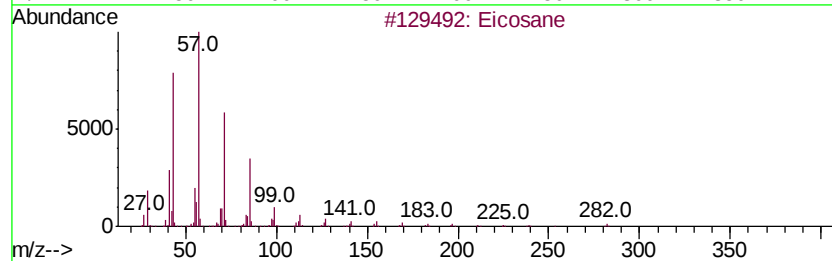
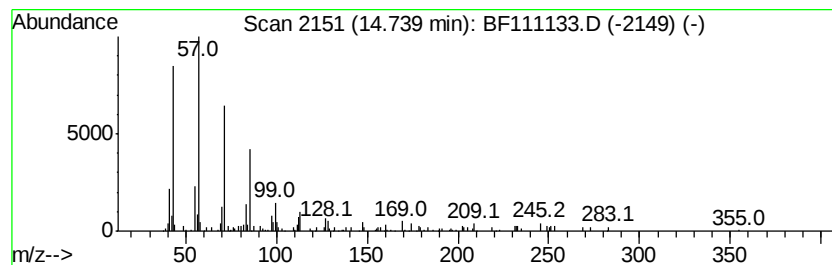
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	2.25 ng	305528	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	96
2		Heptacosane	380	C27H56	000593-49-7	87
3		Octacosane	394	C28H58	000630-02-4	80
4		Pentadecane	212	C15H32	000629-62-9	80
5		Decane, 3-methyl-	156	C11H24	013151-34-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
Data File : BF111133.D
Acq On : 6 Dec 2018 12:51
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Sample : J6206-19
Misc :
ALS Vial : 5 Sample Multiplier: 1

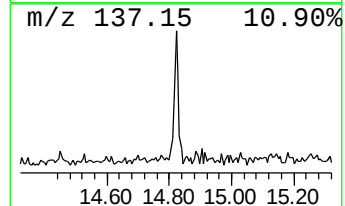
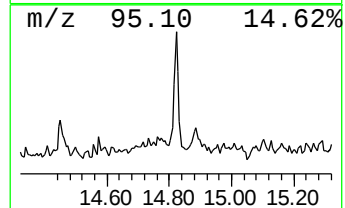
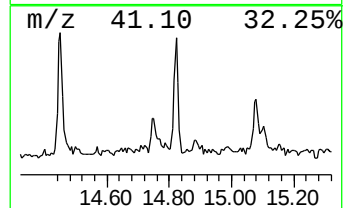
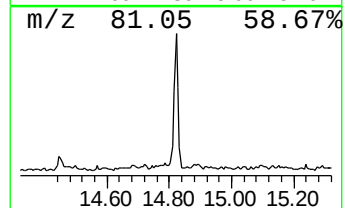
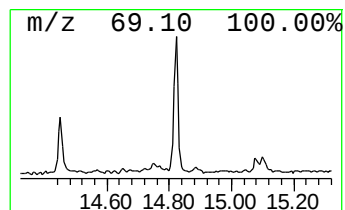
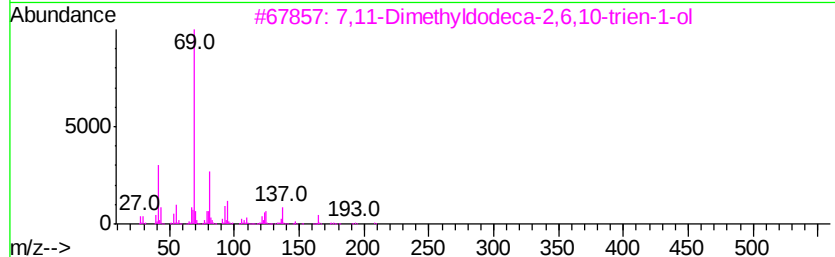
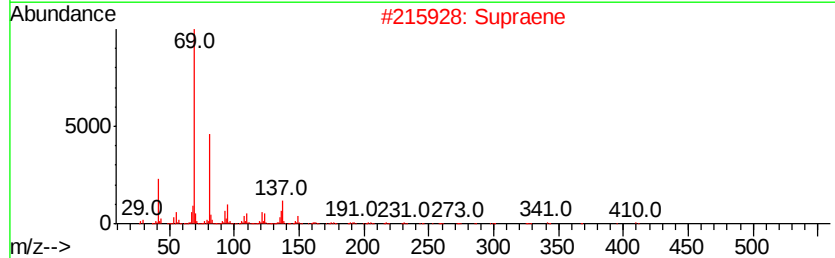
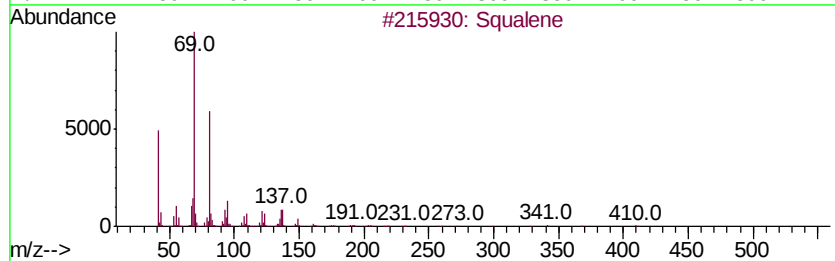
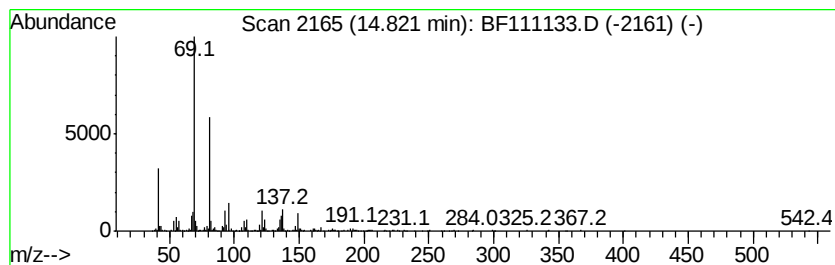
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Squalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	3.22 ng	436675	Perylene-d12	15.39
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Squalene	410 C30H50	000111-02-4	87
2	Supraene	410 C30H50	007683-64-9	87
3	7,11-Dimethyldodeca-2,6,10-trien...	208 C14H240	125529-10-4	64
4	11-Dodecen-2-one, 7,7-dimethyl-	210 C14H260	035194-22-0	50
5	Trideca-1,7,11-triene-1,1-dicarb...	270 C18H26N2	1000161-46-0	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
Data File : BF111133.D
Acq On : 6 Dec 2018 12:51
Operator : JU/SJ
Sample : J6206-19
Misc :
ALS Vial : 5 Sample Multiplier: 1

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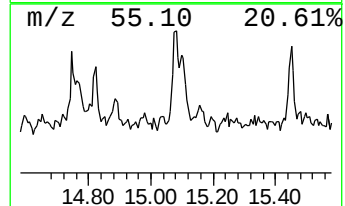
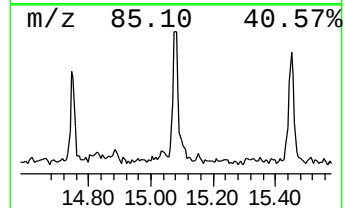
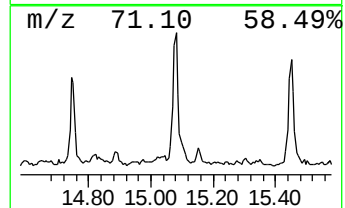
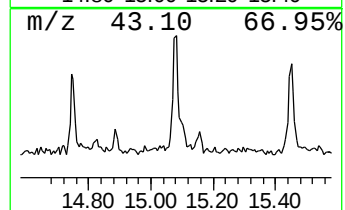
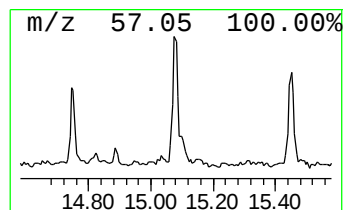
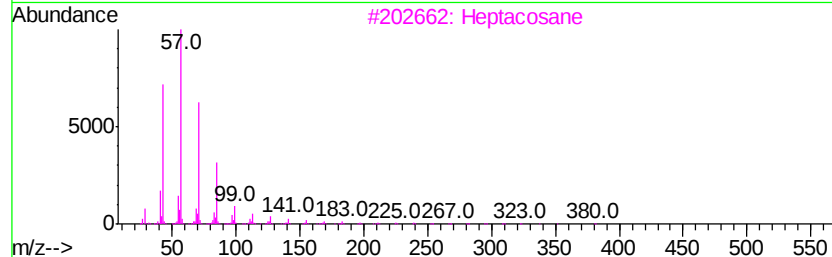
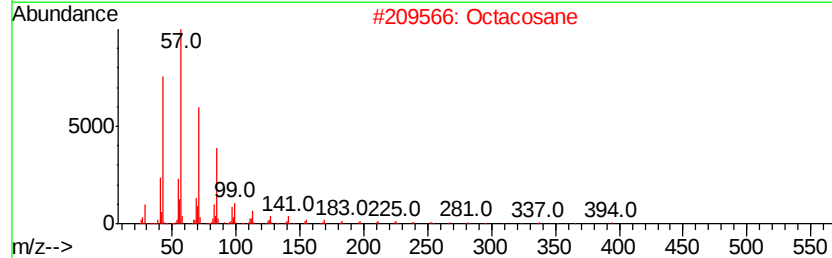
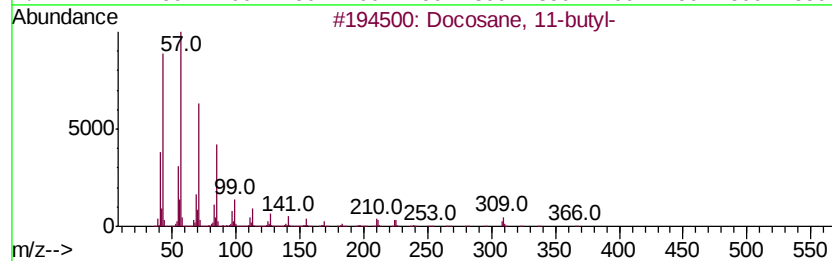
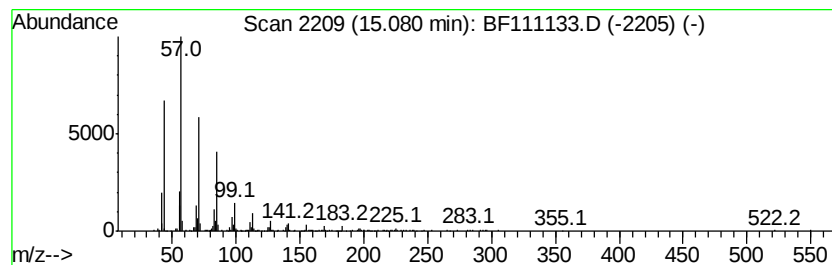
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Docosane, 11-butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	3.47 ng	470385	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Docosane, 11-butyl-	366	C26H54	013475-76-8	91
2		Octacosane	394	C28H58	000630-02-4	91
3		Heptacosane	380	C27H56	000593-49-7	91
4		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5		Octadecane	254	C18H38	000593-45-3	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
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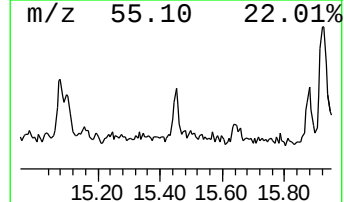
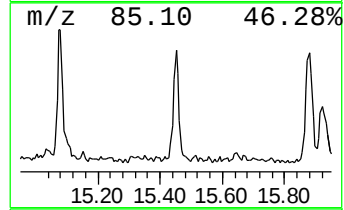
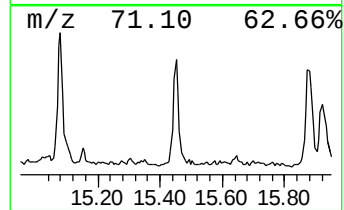
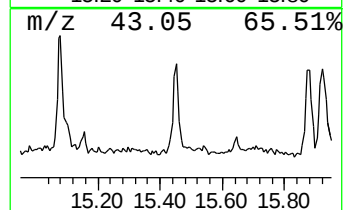
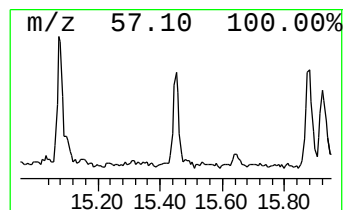
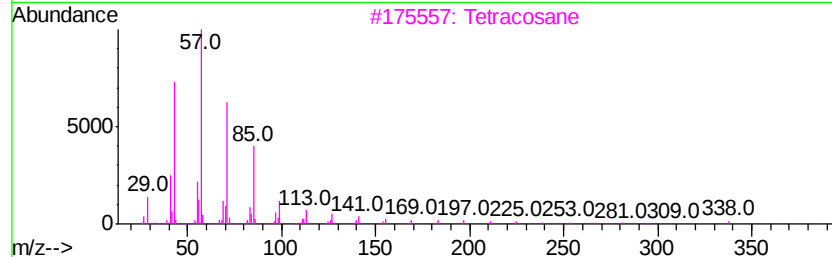
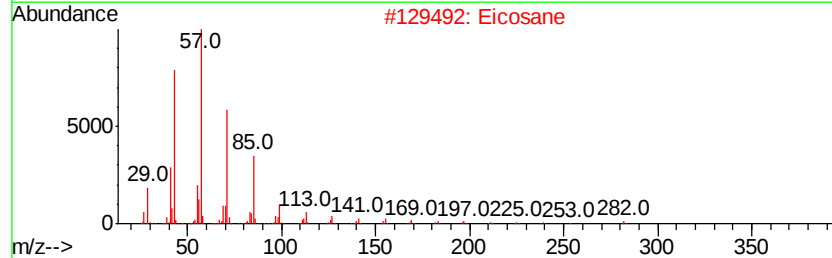
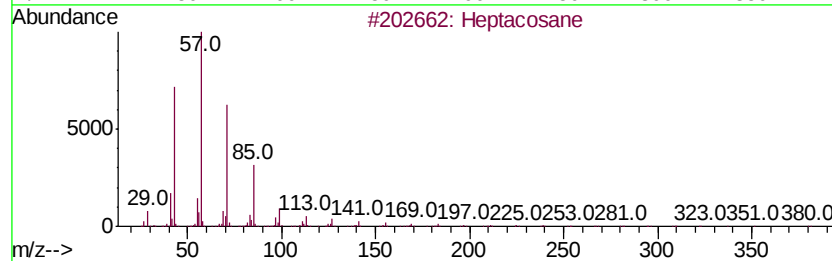
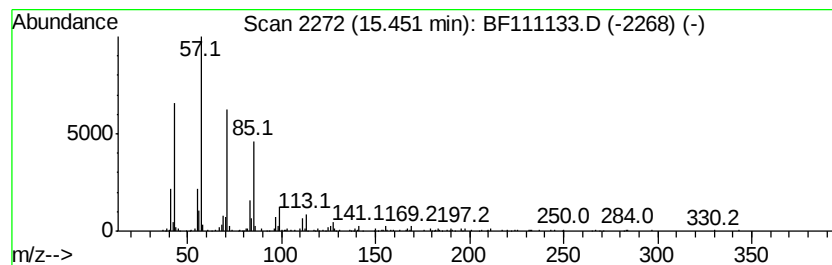
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heptacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	2.62 ng	355145	Perylene-d12	15.39
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptacosane	380 C27H56	000593-49-7	91
2	Eicosane	282 C20H42	000112-95-8	89
3	Tetracosane	338 C24H50	000646-31-1	86
4	Octacosane	394 C28H58	000630-02-4	81
5	Heneicosane	296 C21H44	000629-94-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
Data File : BF111133.D
Acq On : 6 Dec 2018 12:51
Operator : JU/SJ
Sample : J6206-19
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HLSP-SB-3B-(2-7.5)

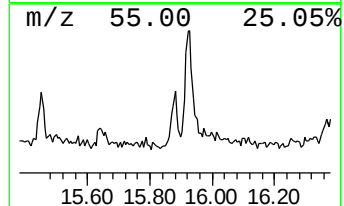
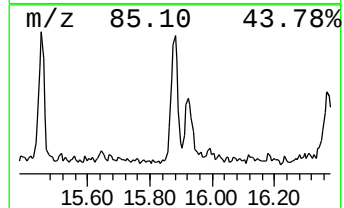
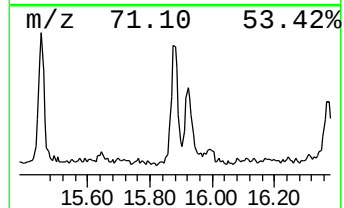
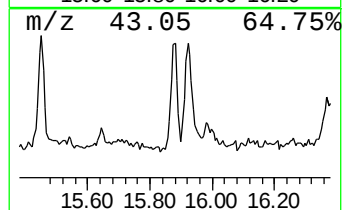
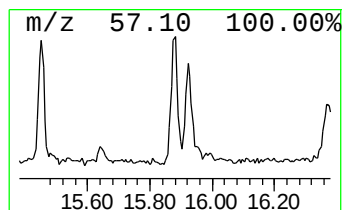
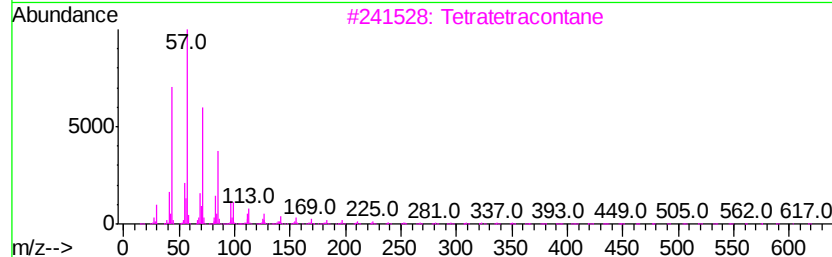
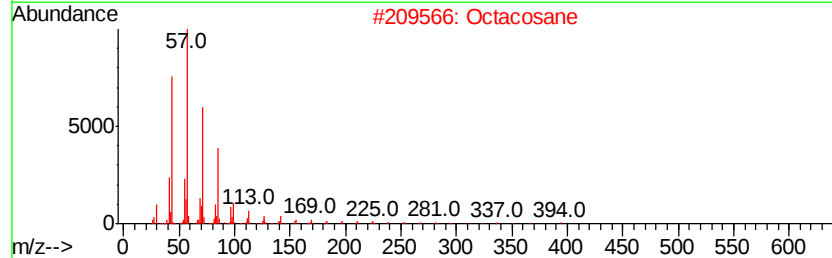
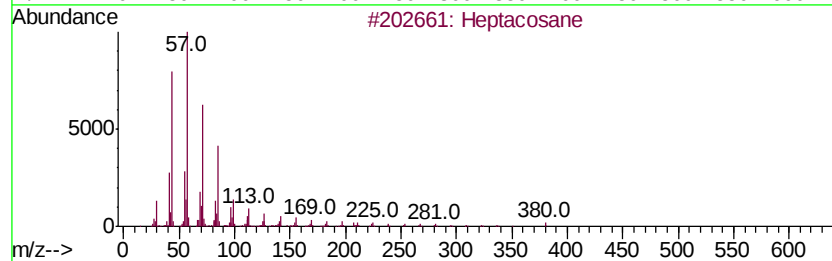
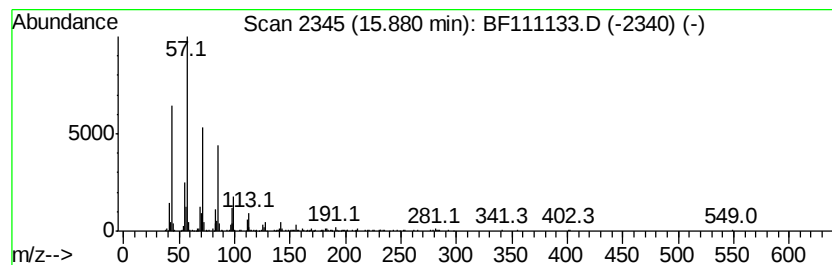
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Octacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	3.21 ng	435578	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	91
2		Octacosane	394	C28H58	000630-02-4	90
3		Tetratetracontane	619	C44H90	007098-22-8	87
4		Hexatriacontane	507	C36H74	000630-06-8	87
5		Tetracosane	338	C24H50	000646-31-1	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
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Misc :
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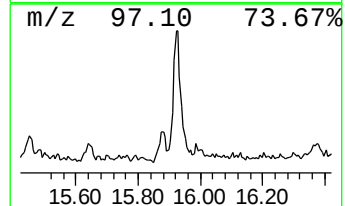
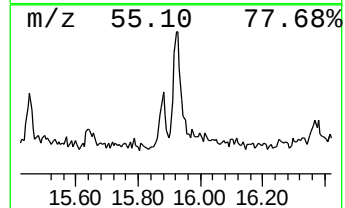
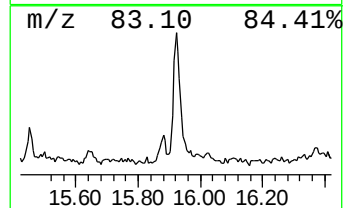
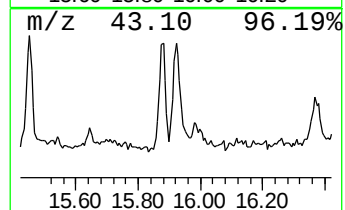
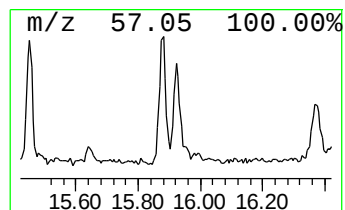
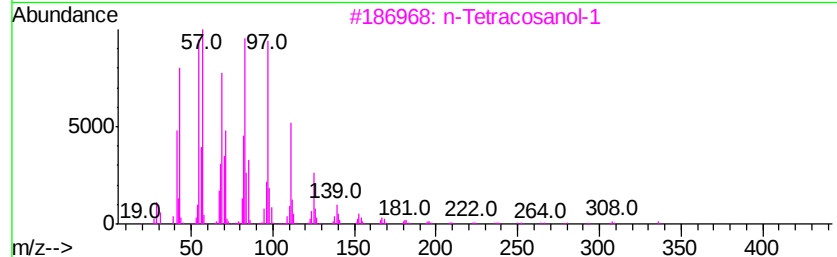
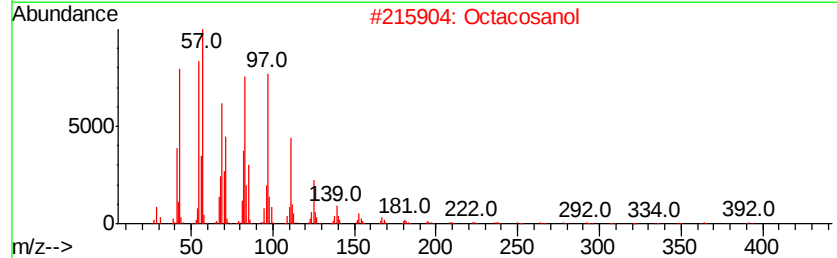
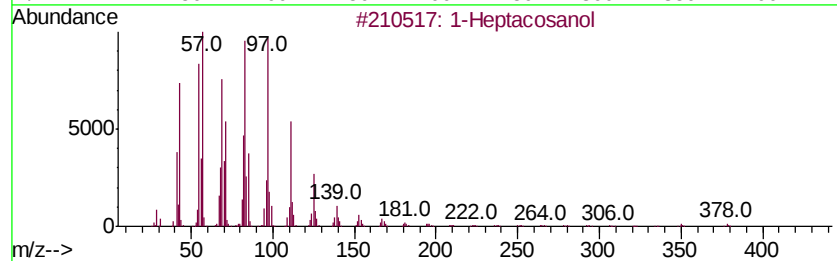
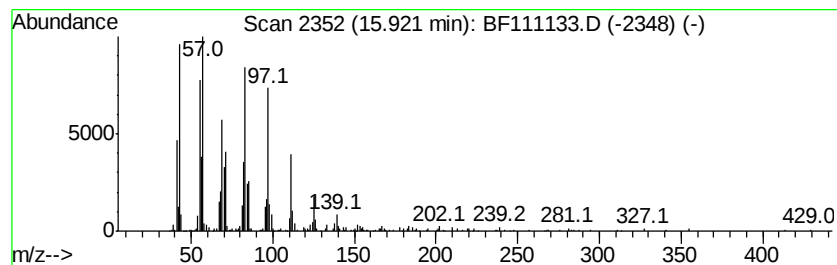
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1-Heptacosanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.92	5.16 ng	699591	Perylene-d12		15.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	95
2	Octacosanol	410	C28H58O	000557-61-9	94
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
4	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
5	1-Docosene	308	C22H44	001599-67-3	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
Data File : BF111133.D
Acq On : 6 Dec 2018 12:51
Operator : JU/SJ
Sample : J6206-19
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-3B-(2-7.5)

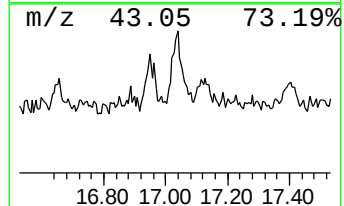
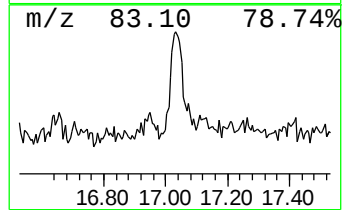
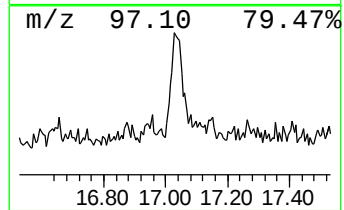
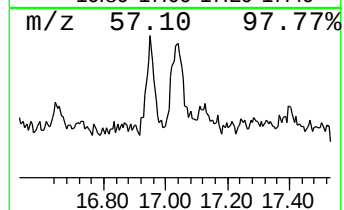
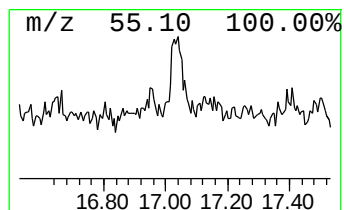
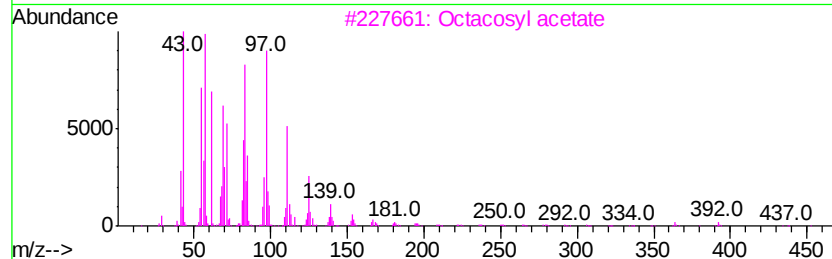
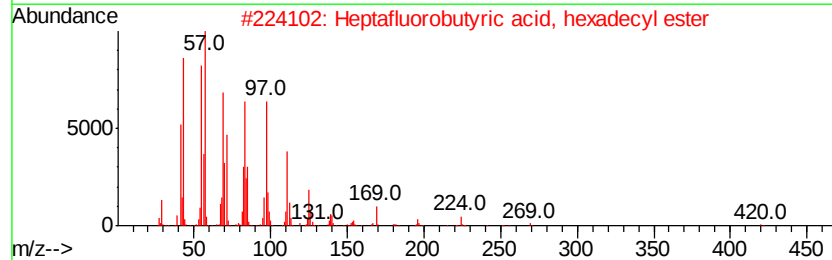
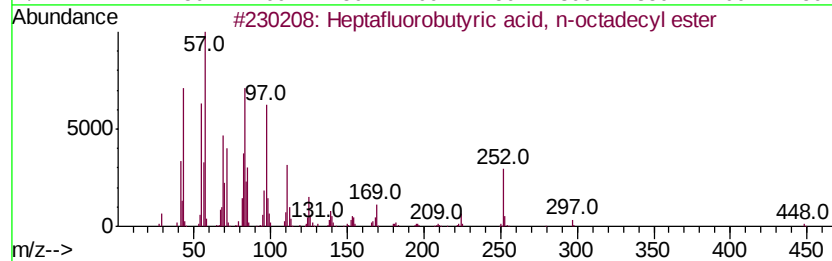
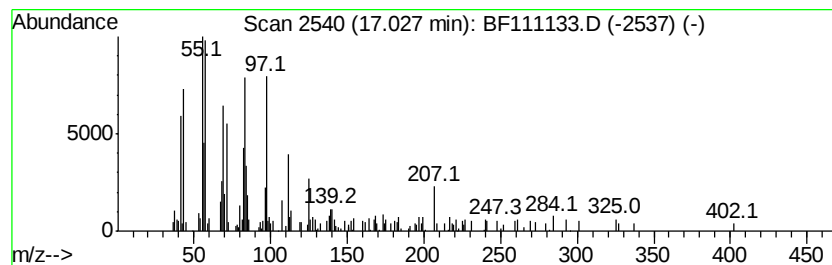
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Heptafluorobutyric acid, n-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	2.09 ng	283882	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptafluorobutyric acid, n-octadecyl ester	466	C22H37F7O2	000400-57-7	87
2		Heptafluorobutyric acid, hexadecyl ester	438	C20H33F7O2	006385-15-5	87
3		Octacosyl acetate	452	C30H60O2	018206-97-8	87
4		1-Octadecene	252	C18H36	000112-88-9	86
5		Pentafluoropropionic acid, octadecyl ester	416	C21H37F5O2	959261-25-7	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120618\
 Data File : BF111133.D
 Acq On : 6 Dec 2018 12:51
 Operator : JU/SJ
 Sample : J6206-19
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HLSP-SB-3B-(2-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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
2-Pentanone, 4-hy...	5.02	5.9 ng		906703	1	6.80	3081460	20.0
unknown6.57	6.57	74.7 ng		11501000	1	6.80	3081460	20.0
n-Hexadecanoic acid	11.86	14.8 ng		3187810	4	11.32	4314570	20.0
Octadecanoic acid	12.65	6.8 ng		1242190	5	13.96	3658910	20.0
Trichloroacetic a...	13.81	17.6 ng		3221750	5	13.96	3658910	20.0
1-Docosene	14.45	4.5 ng		830462	5	13.96	3658910	20.0
Eicosane	14.74	2.3 ng		305528	6	15.39	2710850	20.0
Squalene	14.82	3.2 ng		436675	6	15.39	2710850	20.0
Docosane, 11-butyl-	15.08	3.5 ng		470385	6	15.39	2710850	20.0
Heptacosane	15.45	2.6 ng		355145	6	15.39	2710850	20.0
Octacosane	15.88	3.2 ng		435578	6	15.39	2710850	20.0
1-Heptacosanol	15.92	5.2 ng		699591	6	15.39	2710850	20.0
Heptafluorobutyri...	17.03	2.1 ng		283882	6	15.39	2710850	20.0