

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032020\
 Data File : BF119469.D
 Acq On : 20 Mar 2020 13:45
 Operator : CG/JU
 Sample : L1749-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920

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-BF031820.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	2.122	3	6	14	rVB	246852	326233	4.05%	0.406%
2	5.069	504	507	514	rVB	91329	117049	1.45%	0.146%
3	5.463	569	574	577	rBV	7250951	7436751	92.43%	9.266%
4	6.475	740	746	749	rBV	6766760	7313039	90.89%	9.112%
5	6.851	806	810	813	rBV	2359834	1880325	23.37%	2.343%
6	7.010	832	837	840	rVB	6391133	5786626	71.92%	7.210%
7	7.410	900	905	908	rBV	4786088	4871243	60.54%	6.070%
8	8.133	1024	1028	1031	rBV	2962759	2412593	29.99%	3.006%
9	9.216	1207	1212	1215	rBV	8869505	8045751	100.00%	10.025%
10	9.604	1274	1278	1282	rBV	897089	723130	8.99%	0.901%
11	9.892	1323	1327	1331	rBV	3105927	2686943	33.40%	3.348%
12	10.098	1358	1362	1374	rBV2	82771	131788	1.64%	0.164%
13	10.680	1456	1461	1465	rBV	5171580	5151657	64.03%	6.419%
14	11.380	1576	1580	1583	rBV	3189400	2832317	35.20%	3.529%
15	11.404	1583	1584	1587	rVB	404362	233957	2.91%	0.292%
16	11.610	1612	1619	1625	rBV2	73791	93883	1.17%	0.117%
17	11.916	1667	1671	1682	rBV	1774693	1995246	24.80%	2.486%
18	12.169	1711	1714	1718	rBV2	91736	97915	1.22%	0.122%
19	12.592	1783	1786	1790	rBV	356429	343409	4.27%	0.428%
20	12.704	1801	1805	1819	rBV	1877589	2148567	26.70%	2.677%
21	12.821	1823	1825	1828	rVB	280485	237140	2.95%	0.295%
22	12.974	1846	1851	1854	rBV	7905414	7534082	93.64%	9.388%
23	13.216	1889	1892	1895	rVB3	68022	97316	1.21%	0.121%
24	13.551	1943	1949	1952	rBV2	172274	251306	3.12%	0.313%
25	13.868	2000	2003	2012	rBV2	1354291	1696777	21.09%	2.114%
26	14.021	2024	2029	2032	rBV	2136745	2100878	26.11%	2.618%
27	14.198	2054	2059	2064	rBV	748975	724864	9.01%	0.903%
28	14.504	2106	2111	2118	rBV	1364338	1418124	17.63%	1.767%
29	14.815	2158	2164	2168	rBV	1541431	1804547	22.43%	2.249%
30	14.886	2174	2176	2182	rVB	106972	113959	1.42%	0.142%
31	15.062	2203	2206	2210	rBV3	66027	91878	1.14%	0.114%
32	15.157	2216	2222	2234	rVB	1774797	2264274	28.14%	2.821%
33	15.421	2264	2267	2273	rVB2	121403	187333	2.33%	0.233%
34	15.498	2274	2280	2283	rVV	1366090	1718357	21.36%	2.141%

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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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.545	2283	2288	2296	rVB	1518962	2152538	26.75%	2.682%
36	15.986	2357	2363	2368	rBV	1081306	1703039	21.17%	2.122%
37	16.039	2368	2372	2381	rVB	155388	300931	3.74%	0.375%
38	16.498	2443	2450	2458	rBV2	481432	946008	11.76%	1.179%
39	17.104	2548	2553	2560	rVB2	144842	282450	3.51%	0.352%

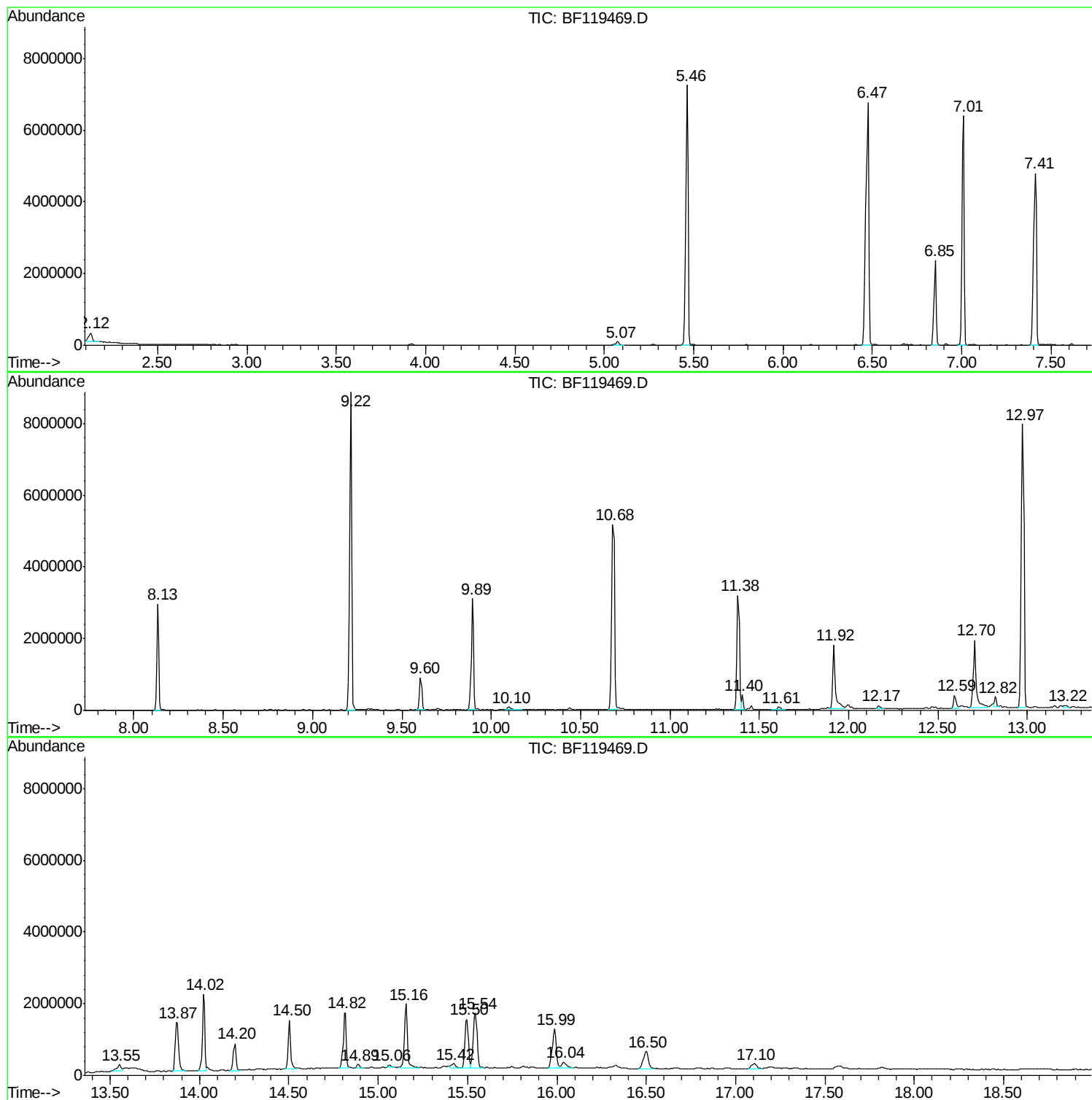
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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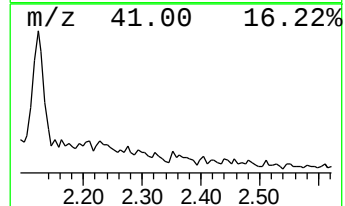
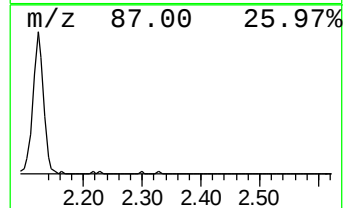
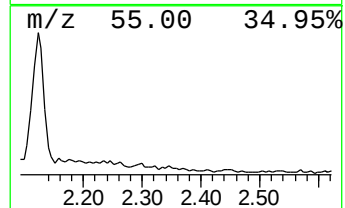
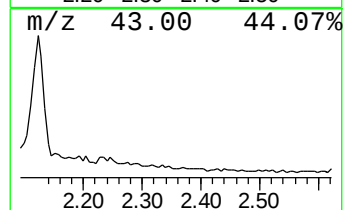
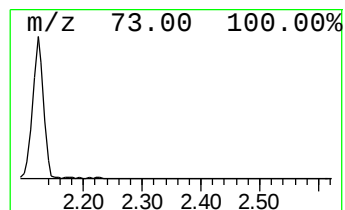
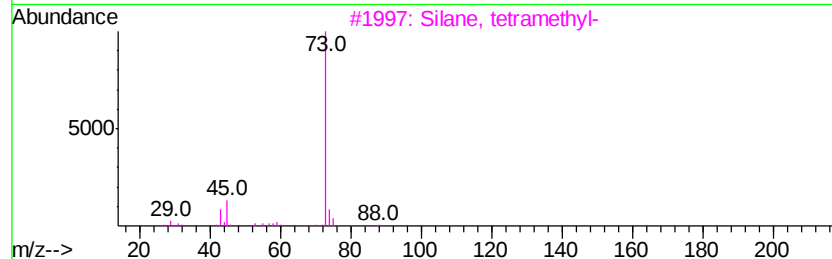
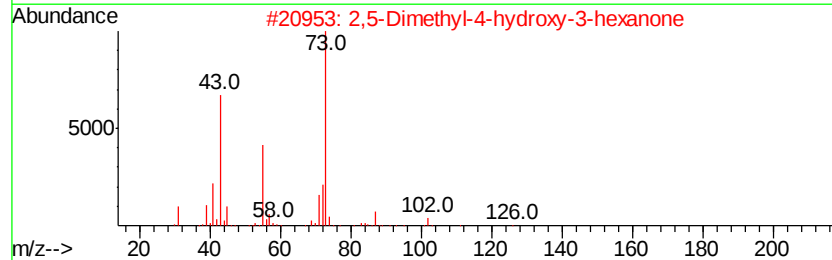
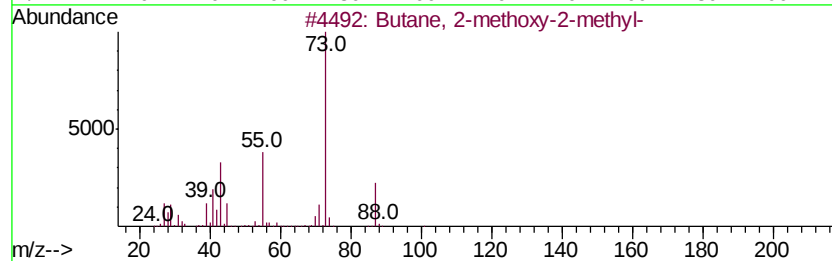
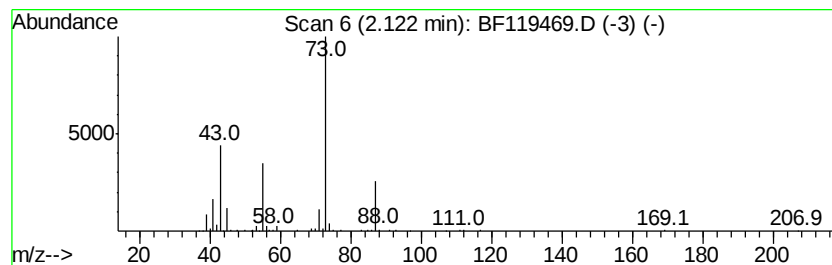
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
2.12	3.47 ng	326233	1,4-Dichlorobenzene-d4	6.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,5-Dimethyl-4-hydroxy-3-hexanone	144	C8H16O2	000815-77-0	37
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
4	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	32
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25



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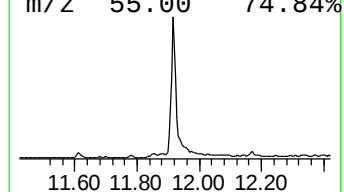
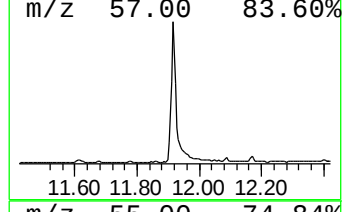
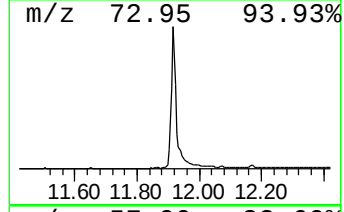
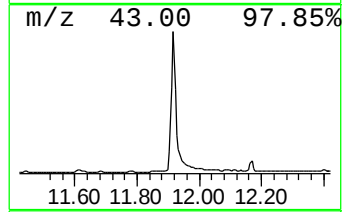
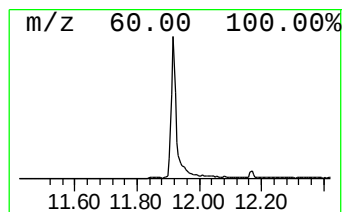
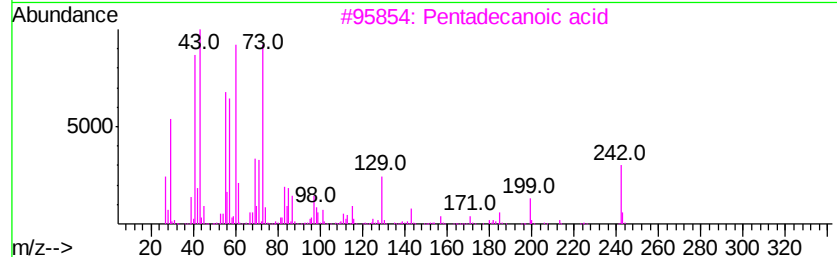
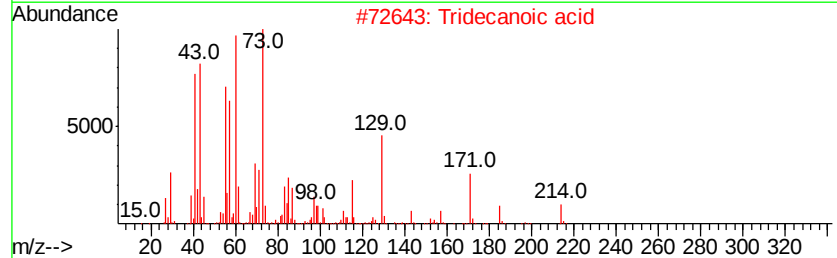
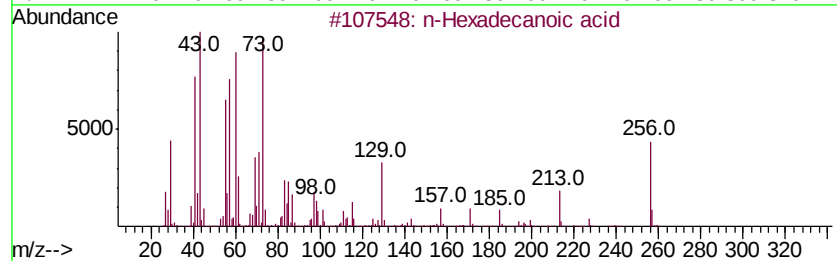
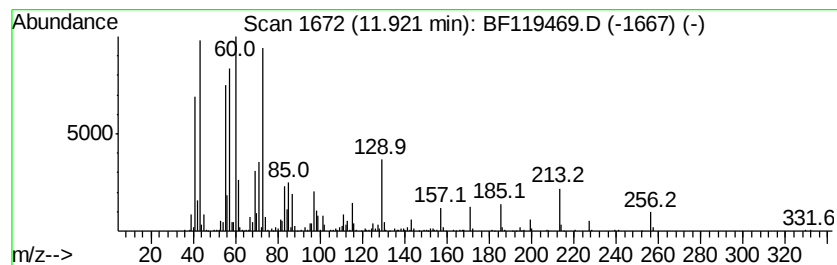
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.92	14.09 ng	1995250	Phenanthrene-d10		11.38	
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	90
3	Pentadecanoic acid		242	C15H30O2	001002-84-2	87
4	Octadecanoic acid		284	C18H36O2	000057-11-4	87
5	Tetradecanoic acid		228	C14H28O2	000544-63-8	72



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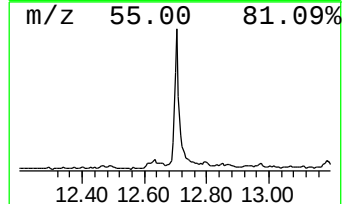
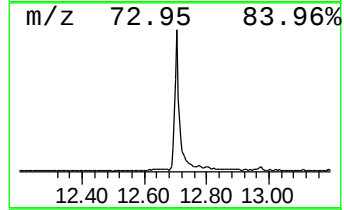
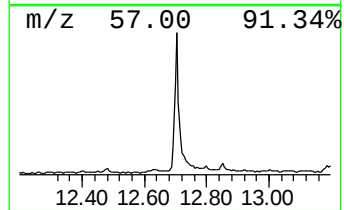
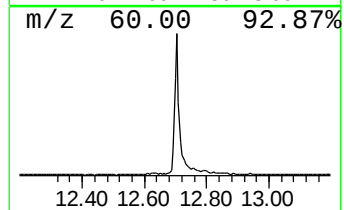
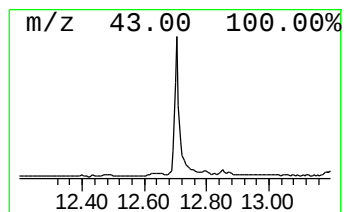
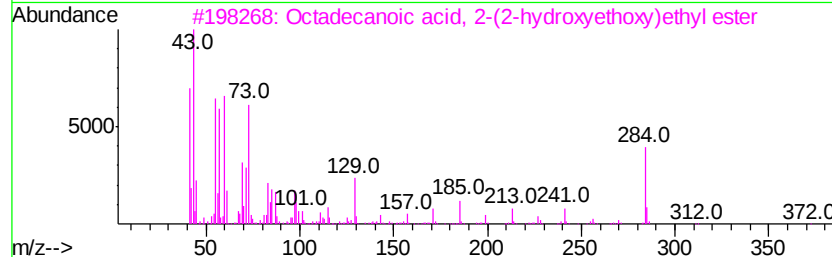
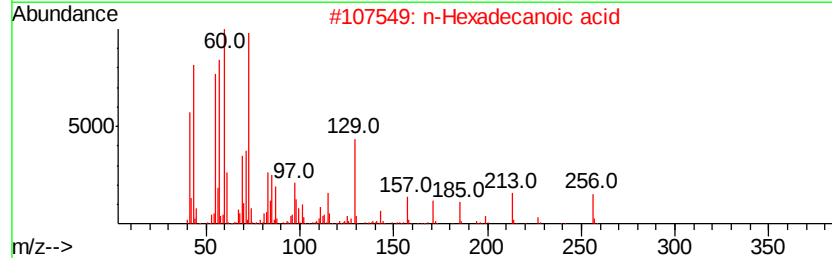
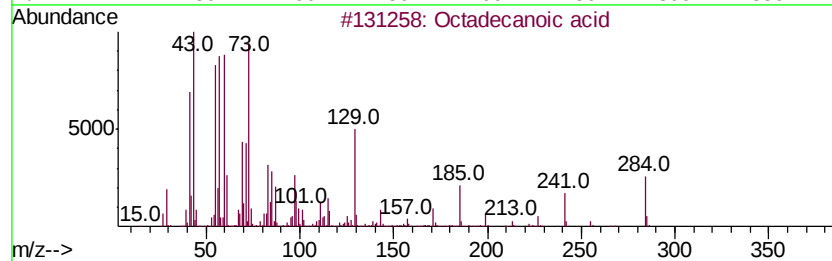
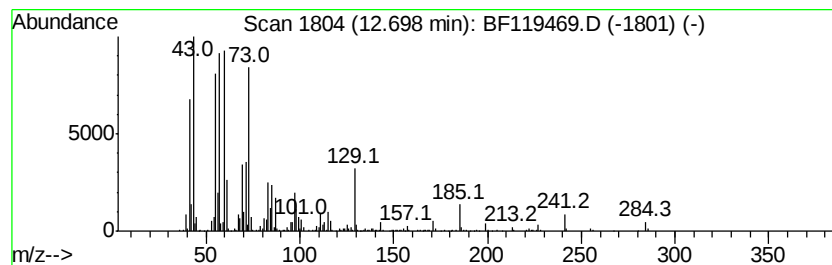
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	20.45 ng	2148570	Chrysene-d12	14.02

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	95
3		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	83
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5		n-Decanoic acid	172	C10H20O2	000334-48-5	60



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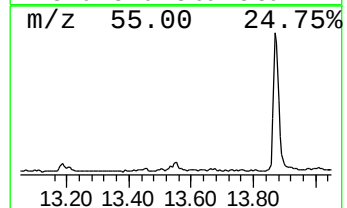
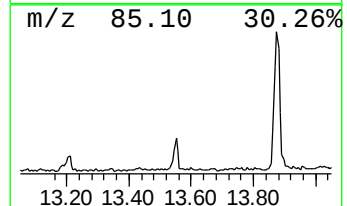
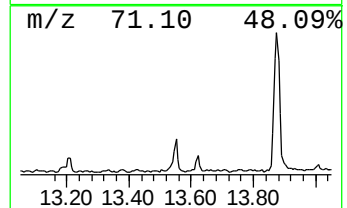
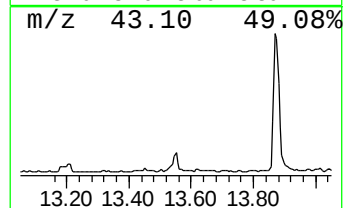
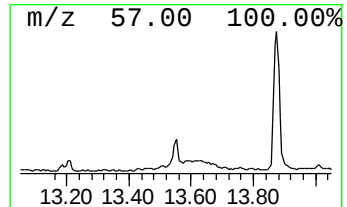
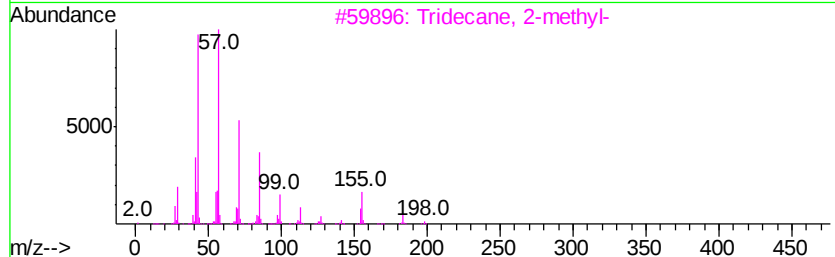
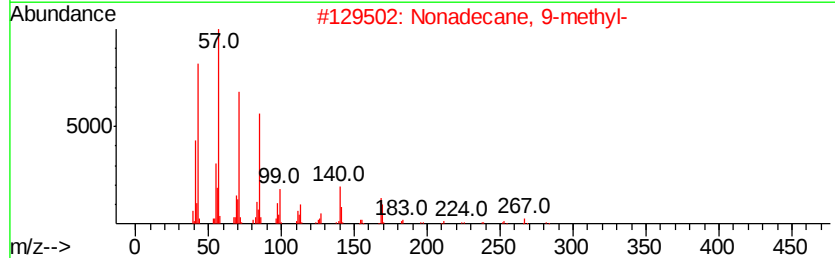
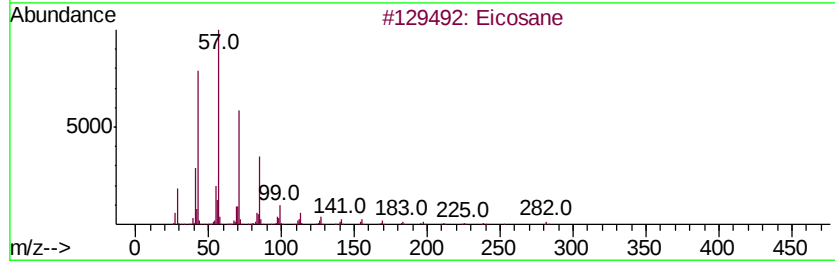
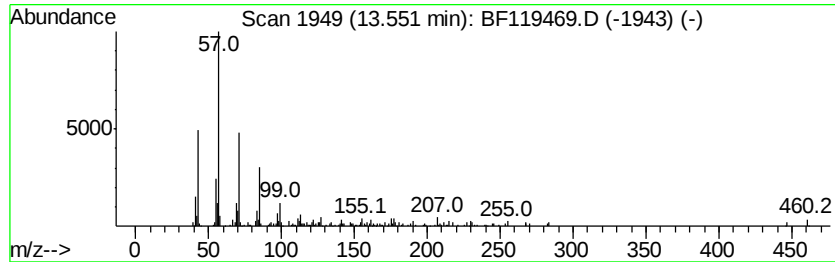
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Eicosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.55	2.39 ng	251306	Chrysene-d12		14.02	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	89
2	Nonadecane, 9-methyl-		282	C20H42	013287-24-6	83
3	Tridecane, 2-methyl-		198	C14H30	001560-96-9	72
4	Heptacosane		380	C27H56	000593-49-7	72
5	Tridecane, 6-methyl-		198	C14H30	013287-21-3	72



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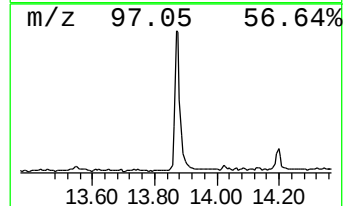
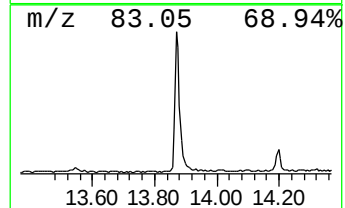
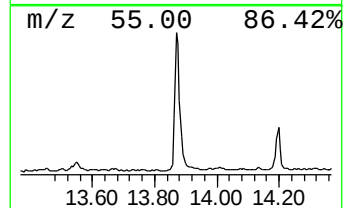
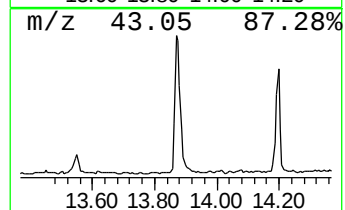
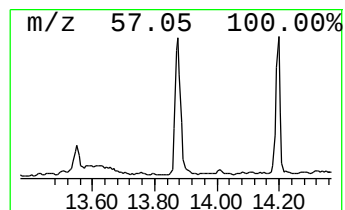
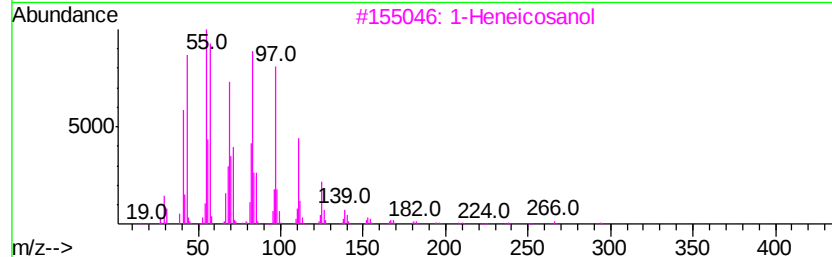
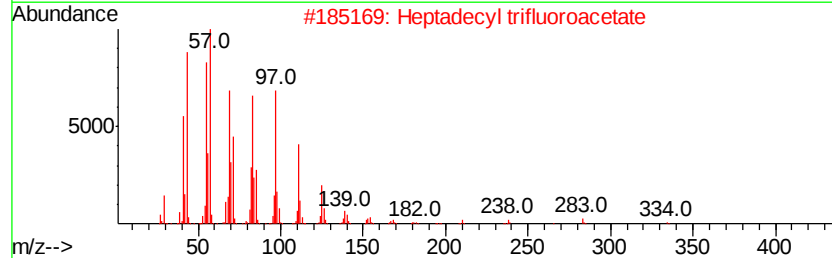
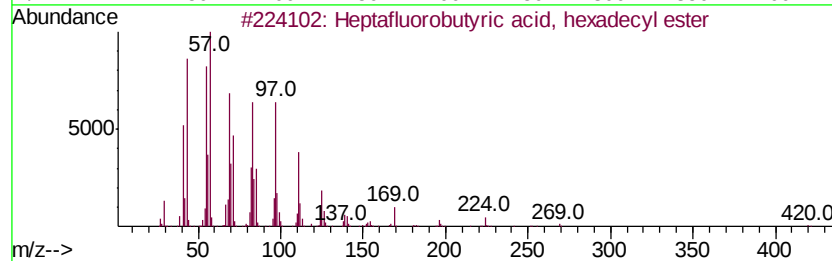
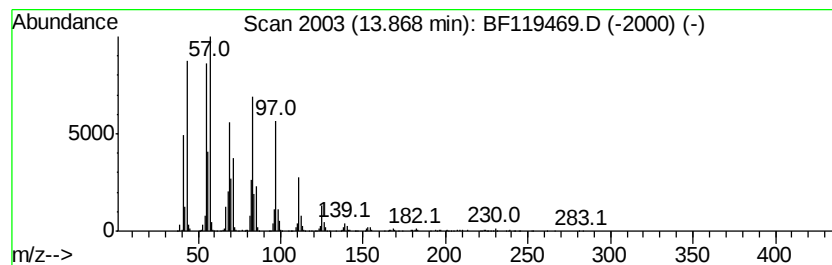
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptafluorobutyric acid, he... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	16.15 ng	1696780	Chrysene-d12	14.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
2		Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	94
3		1-Heneicosanol	312	C21H44O	015594-90-8	91
4		Behenic alcohol	326	C22H46O	000661-19-8	91
5		1-Hexadecanol	242	C16H34O	036653-82-4	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
 Data File : BF119469.D
 Acq On : 20 Mar 2020 13:45
 Operator : CG/JU
 Sample : L1749-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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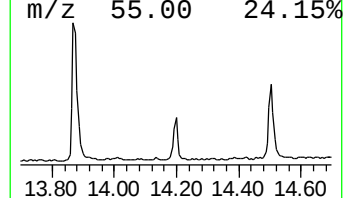
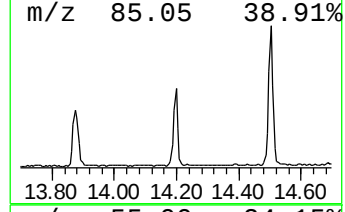
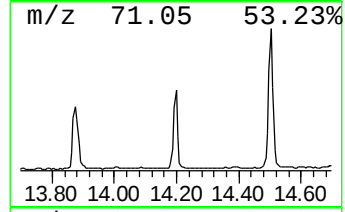
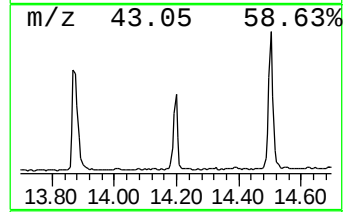
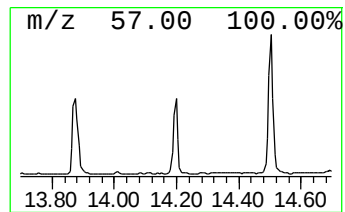
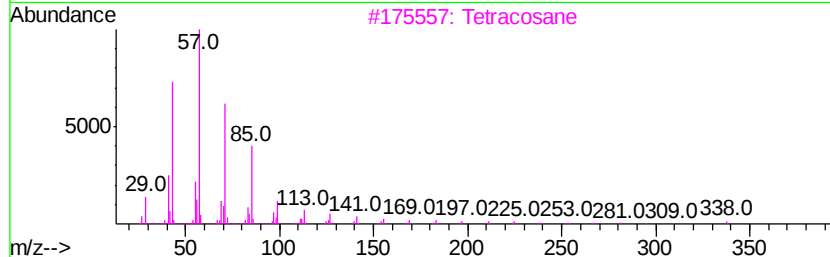
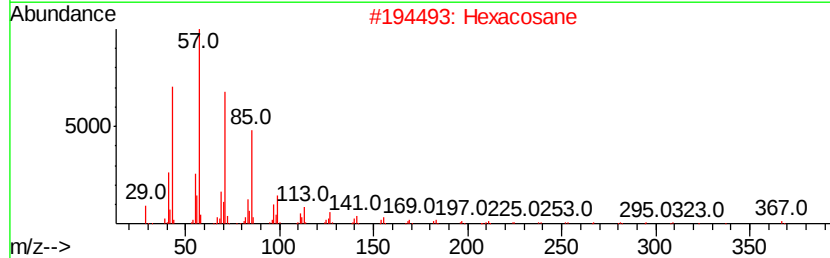
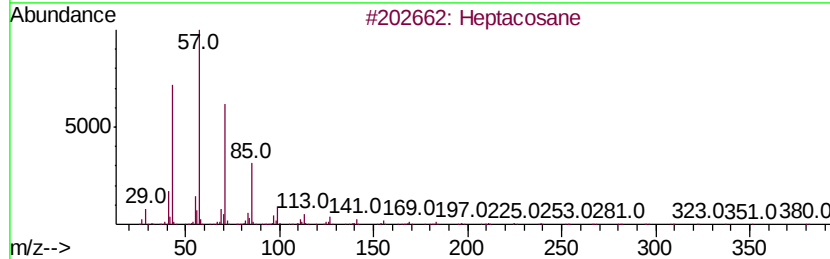
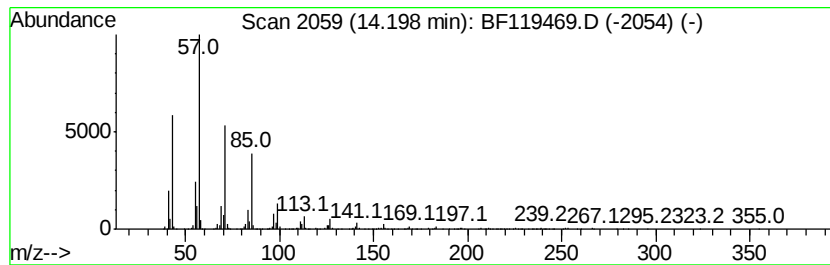
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 8 Heptacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	6.90 ng	724864	Chrysene-d12	14.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	91
2		Hexacosane	366	C26H54	000630-01-3	91
3		Tetracosane	338	C24H50	000646-31-1	87
4		Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
5		Docosane	310	C22H46	000629-97-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
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Acq On : 20 Mar 2020 13:45
Operator : CG/JU
Sample : L1749-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

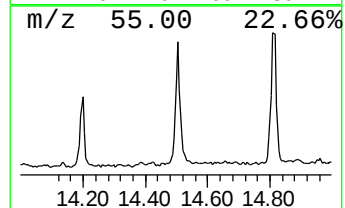
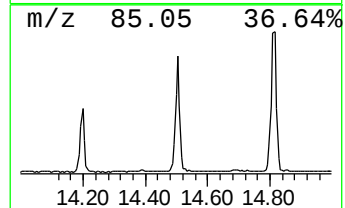
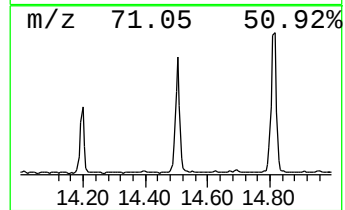
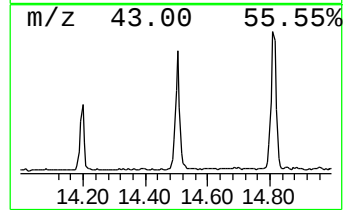
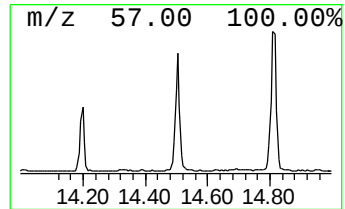
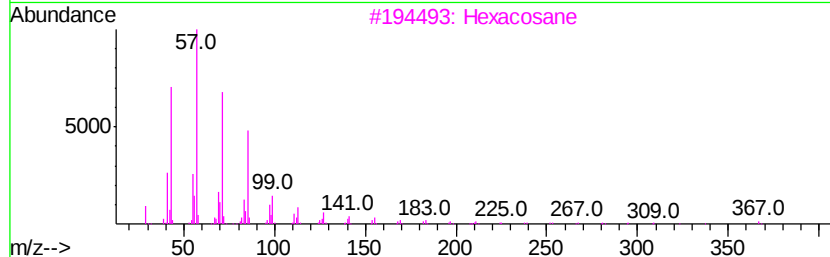
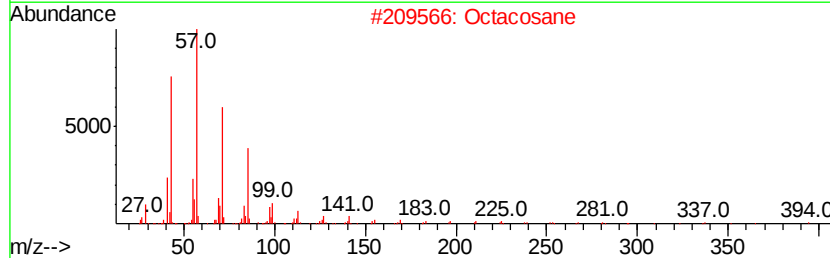
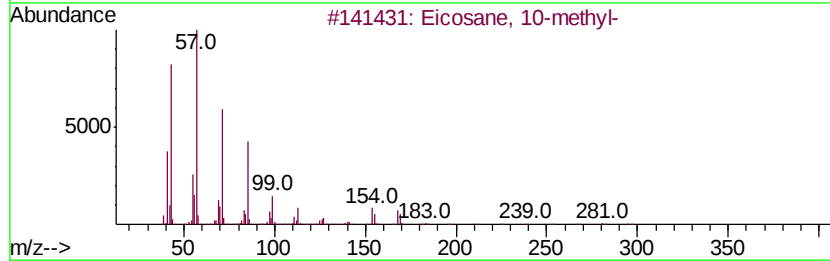
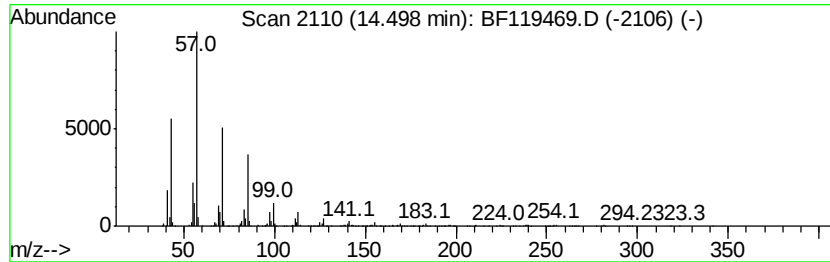
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Eicosane, 10-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	13.50 ng	1418120	Chrysene-d12	14.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Eicosane, 10-methyl-	296 C21H44	054833-23-7	93
2	Octacosane	394 C28H58	000630-02-4	91
3	Hexacosane	366 C26H54	000630-01-3	91
4	Heneicosane	296 C21H44	000629-94-7	90
5	Eicosane, 9-octyl-	394 C28H58	013475-77-9	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
Data File : BF119469.D
Acq On : 20 Mar 2020 13:45
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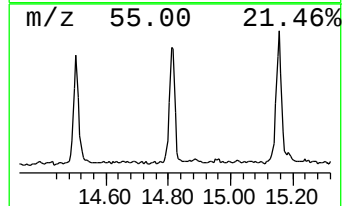
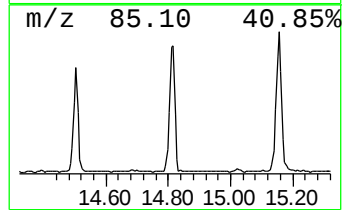
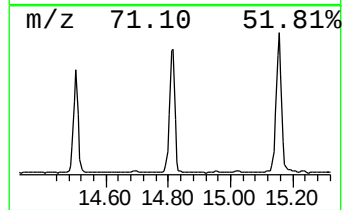
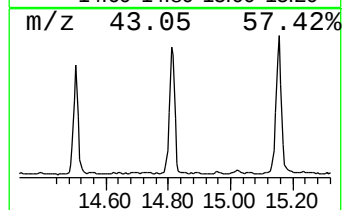
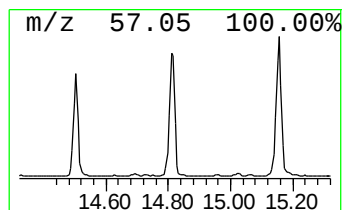
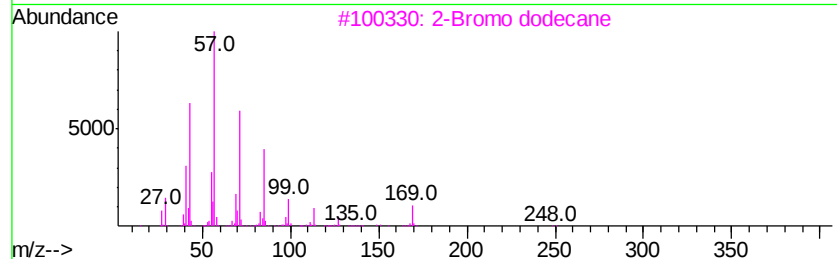
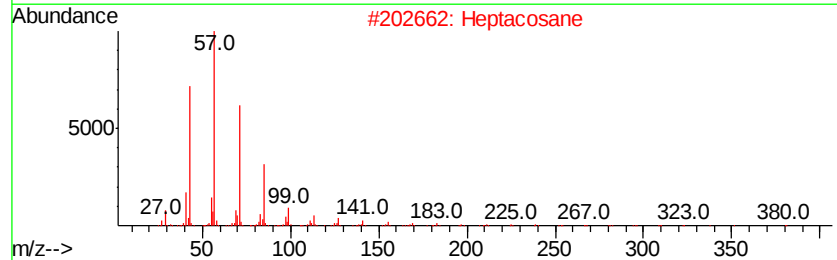
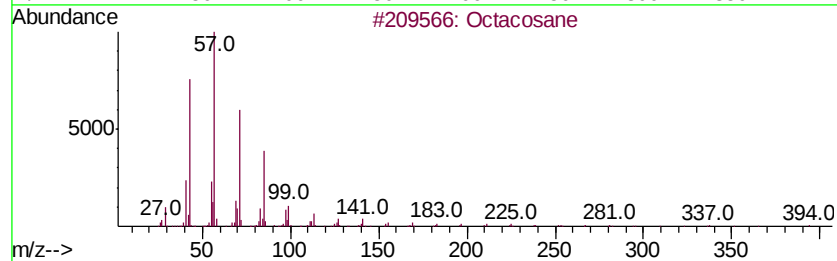
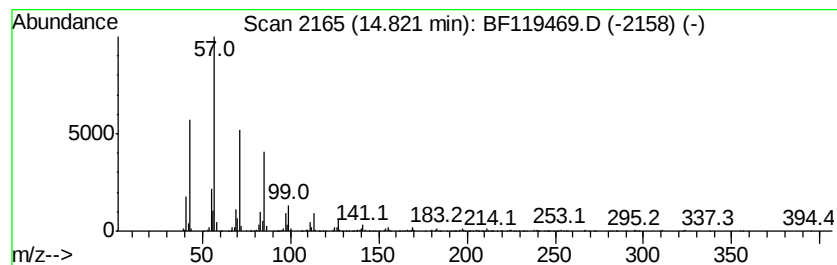
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Octacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	21.00 ng	1804550	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	91
2		Heptacosane	380	C27H56	000593-49-7	91
3		2-Bromo dodecane	248	C12H25Br	013187-99-0	90
4		Heneicosane	296	C21H44	000629-94-7	90
5		Pentacosane	352	C25H52	000629-99-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
 Data File : BF119469.D
 Acq On : 20 Mar 2020 13:45
 Operator : CG/JU
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 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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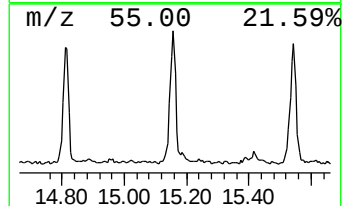
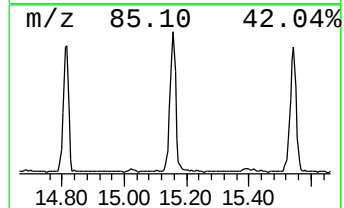
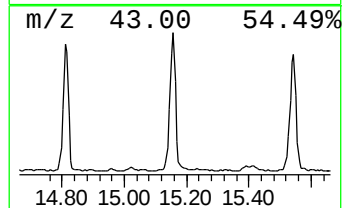
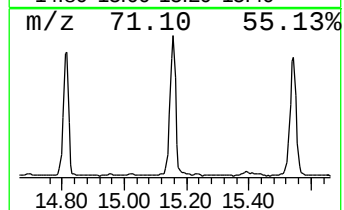
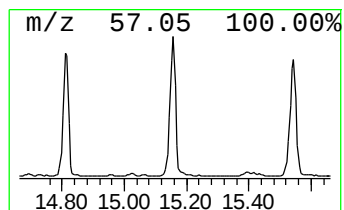
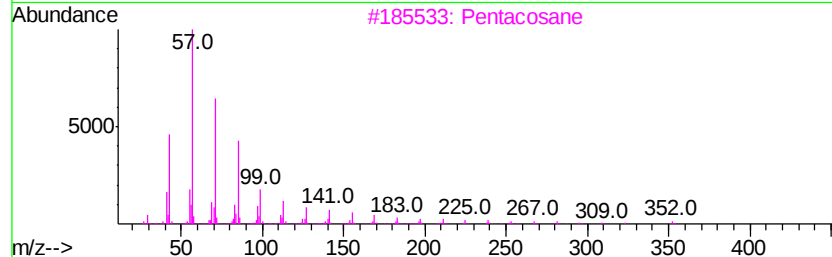
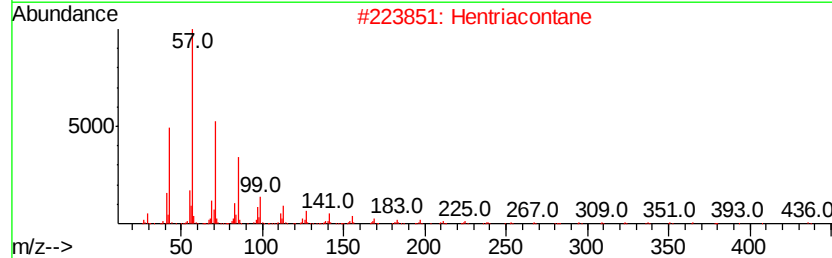
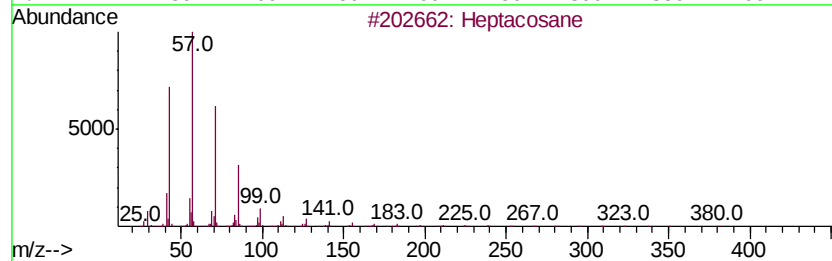
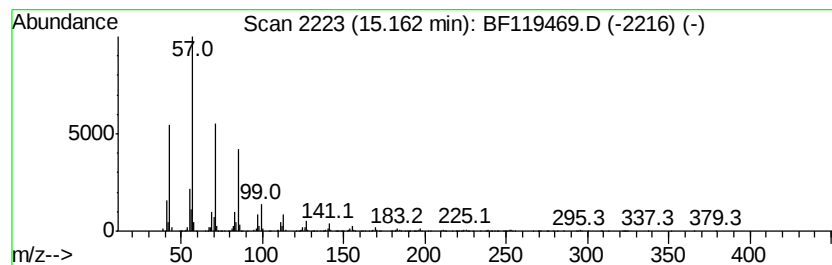
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 11 Hentriacontane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	26.35 ng	2264270	Perylene-d12	15.50

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptacosane	380	C27H56	000593-49-7	91
2		Hentriacontane	437	C31H64	000630-04-6	91
3		Pentacosane	352	C25H52	000629-99-2	91
4		Hexatriacontane	507	C36H74	000630-06-8	91
5		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
 Data File : BF119469.D
 Acq On : 20 Mar 2020 13:45
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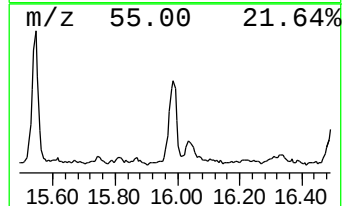
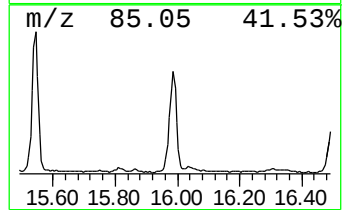
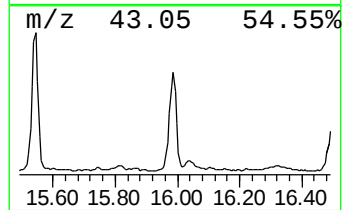
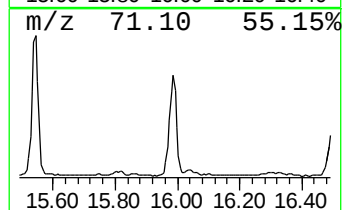
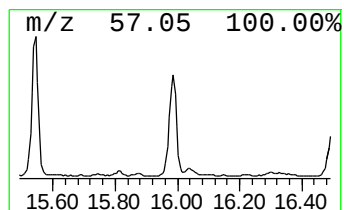
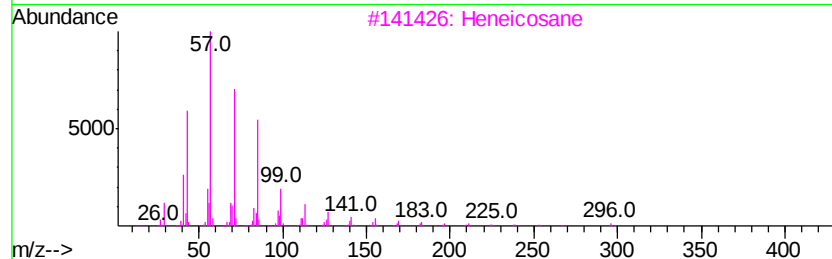
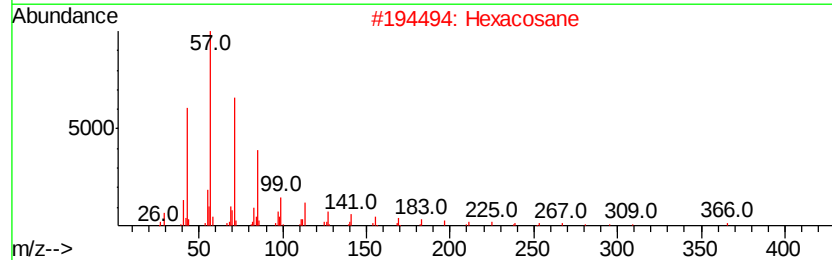
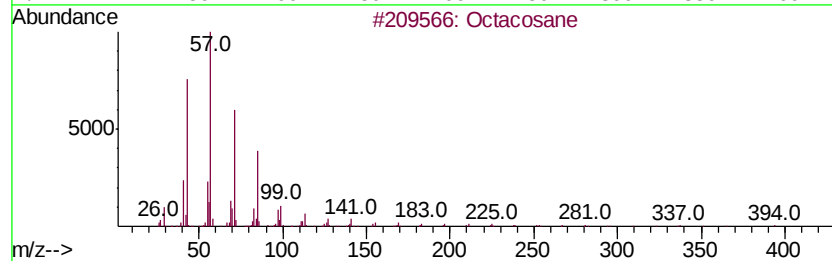
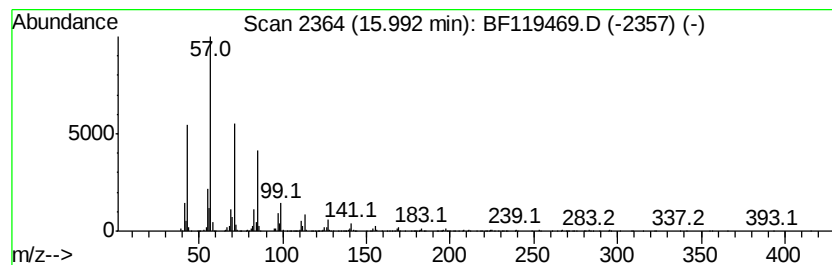
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 13 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	19.82 ng	1703040	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	91
2		Hexacosane	366	C26H54	000630-01-3	91
3		Heneicosane	296	C21H44	000629-94-7	90
4		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
Data File : BF119469.D
Acq On : 20 Mar 2020 13:45
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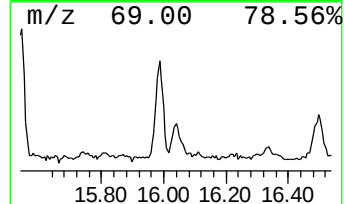
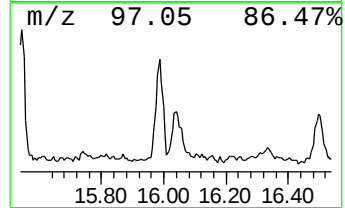
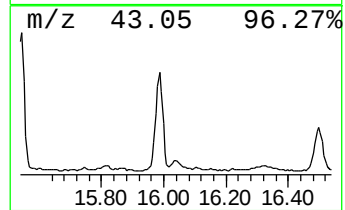
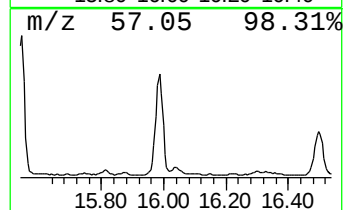
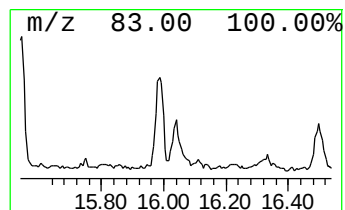
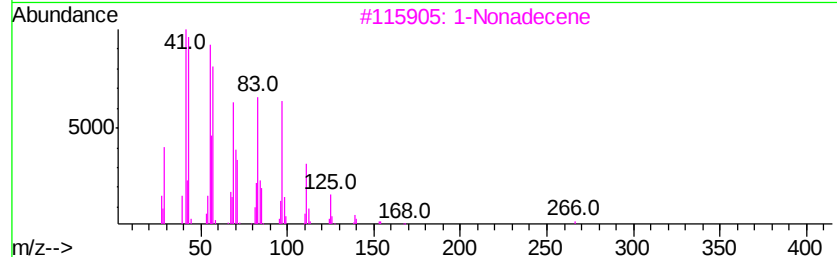
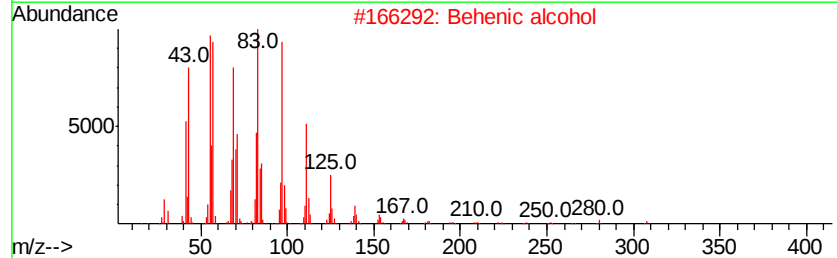
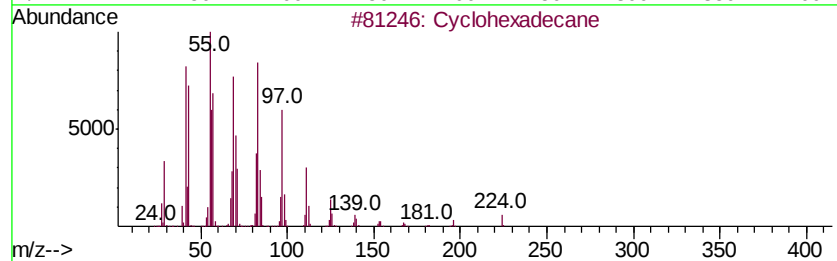
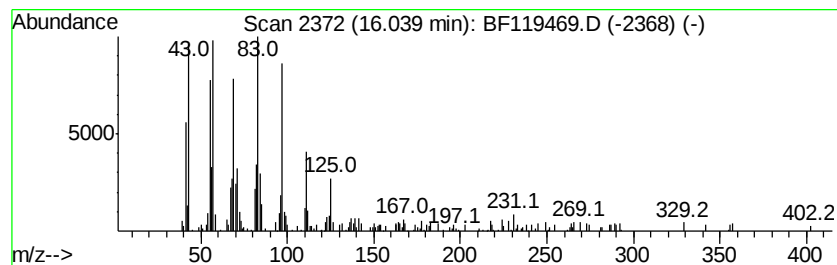
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclohexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	3.50 ng	300931	Perylene-d12	15.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexadecane	224	C16H32	000295-65-8	90
2			Behenic alcohol	326	C22H46O	000661-19-8	86
3			1-Nonadecene	266	C19H38	018435-45-5	83
4			Z-8-Hexadecene	224	C16H32	1000130-87-5	55
5			4-Methyl-E-9-octadecene	266	C19H38	1000130-87-1	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
Data File : BF119469.D
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Misc :
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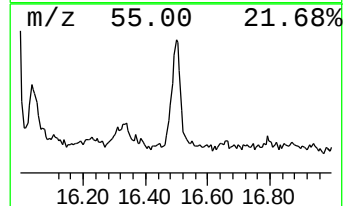
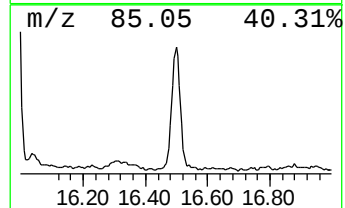
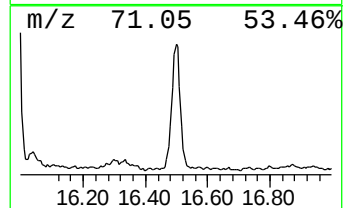
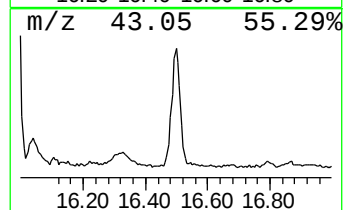
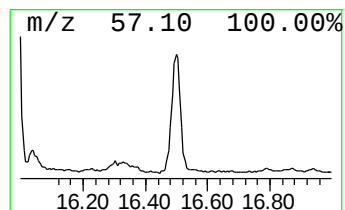
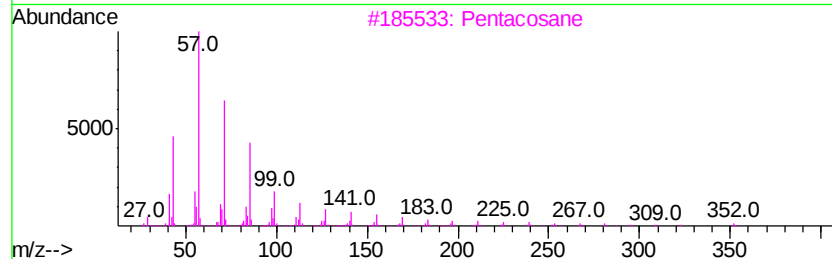
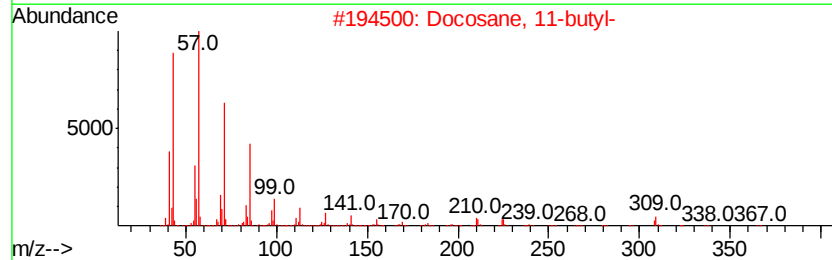
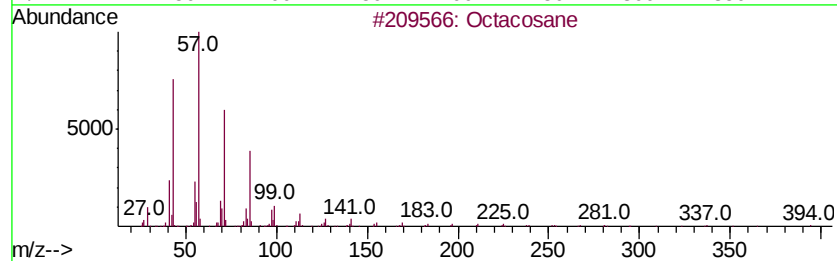
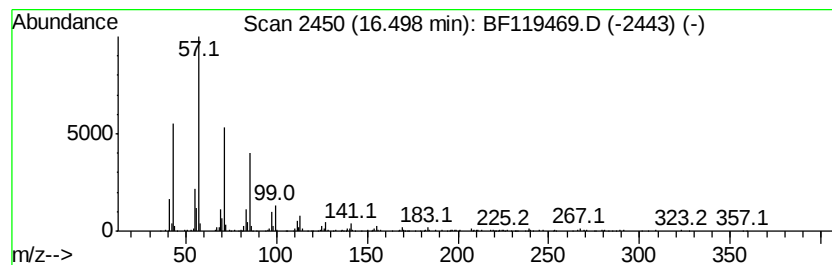
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Docosane, 11-butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	11.01 ng	946008	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	91
2		Docosane, 11-butyl-	366	C26H54	013475-76-8	91
3		Pentacosane	352	C25H52	000629-99-2	90
4		Heptacosane	380	C27H56	000593-49-7	87
5		Hentriacontane	437	C31H64	000630-04-6	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
Data File : BF119469.D
Acq On : 20 Mar 2020 13:45
Operator : CG/JU
Sample : L1749-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-031920

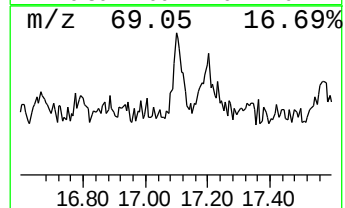
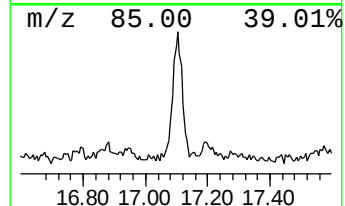
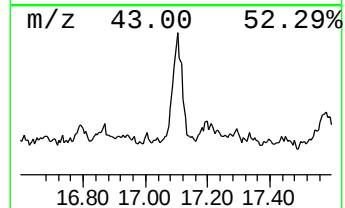
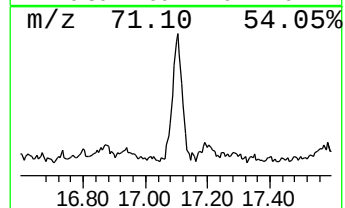
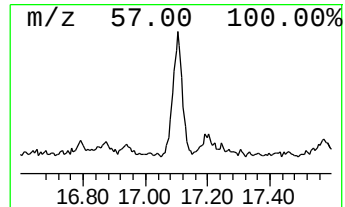
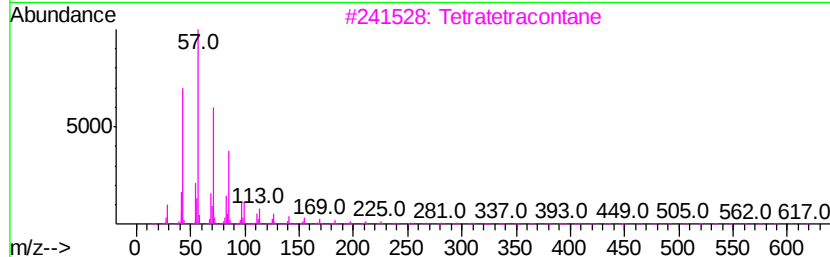
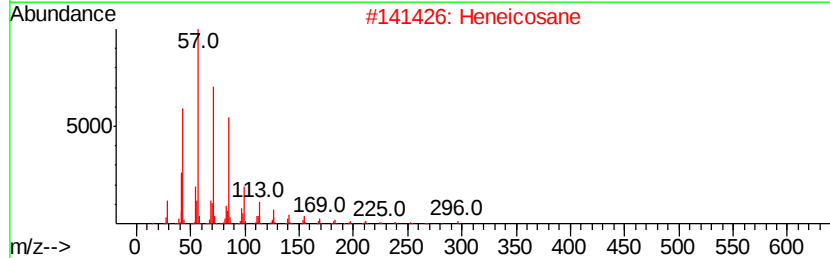
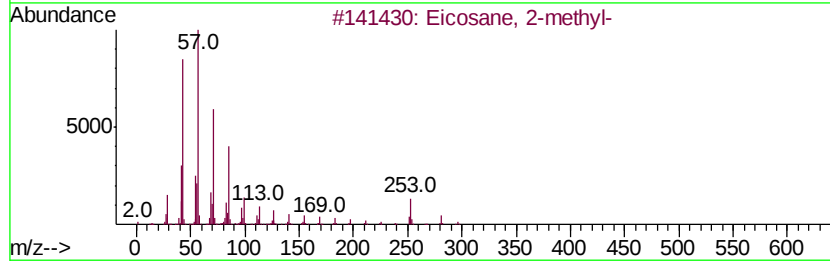
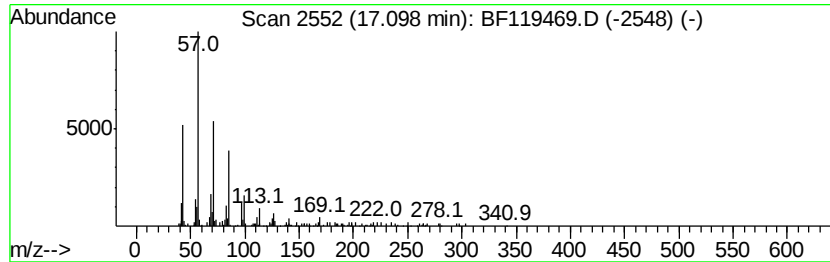
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Eicosane, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	3.29 ng	282450	Perylene-d12	15.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane, 2-methyl-	296	C21H44	001560-84-5	93
2			Heneicosane	296	C21H44	000629-94-7	90
3			Tetratetracontane	619	C44H90	007098-22-8	80
4			Hentriacontane	437	C31H64	000630-04-6	80
5			Hexacosane	366	C26H54	000630-01-3	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032020\
 Data File : BF119469.D
 Acq On : 20 Mar 2020 13:45
 Operator : CG/JU
 Sample : L1749-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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...	2.12	3.5	ng	326233	1	6.85	1880330	20.0
n-Hexadecanoic acid	11.92	14.1	ng	1995250	4	11.38	2832320	20.0
Octadecanoic acid	12.70	20.4	ng	2148570	5	14.02	2100880	20.0
Eicosane	13.55	2.4	ng	251306	5	14.02	2100880	20.0
Heptafluorobutyri...	13.87	16.1	ng	1696780	5	14.02	2100880	20.0
Heptacosane	14.20	6.9	ng	724864	5	14.02	2100880	20.0
Eicosane, 10-methyl-	14.50	13.5	ng	1418120	5	14.02	2100880	20.0
Octacosane	14.82	21.0	ng	1804550	6	15.50	1718360	20.0
Hentriacontane	15.16	26.4	ng	2264270	6	15.50	1718360	20.0
Heneicosane	15.99	19.8	ng	1703040	6	15.50	1718360	20.0
Cyclohexadecane	16.04	3.5	ng	300931	6	15.50	1718360	20.0
Docosane, 11-butyl-	16.50	11.0	ng	946008	6	15.50	1718360	20.0
Eicosane, 2-methyl-	17.10	3.3	ng	282450	6	15.50	1718360	20.0