

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119623.D
 Acq On : 28 Mar 2020 18:10
 Operator : CG/JU
 Sample : L2029-04
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1B-(0-2)

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	2.216	17	22	30	rVB	116474	153391	2.36%	0.256%
2	5.045	497	503	511	rVB	861332	1116494	17.18%	1.863%
3	5.451	566	572	575	rBV	6251708	6497572	100.00%	10.843%
4	6.457	738	743	746	rBV	5632279	6372295	98.07%	10.634%
5	6.675	775	780	783	rBV2	163738	224783	3.46%	0.375%
6	6.834	803	807	814	rVB	2299218	1829734	28.16%	3.053%
7	6.992	830	834	837	rBV	6102914	5116171	78.74%	8.538%
8	7.398	893	903	906	rBV	4329550	4126247	63.50%	6.886%
9	8.116	1020	1025	1029	rBV	2588420	2233529	34.37%	3.727%
10	9.198	1204	1209	1212	rBV	7750641	6438953	99.10%	10.745%
11	9.586	1272	1275	1280	rVB	635238	544573	8.38%	0.909%
12	9.874	1318	1324	1328	rBV	2272943	2046778	31.50%	3.416%
13	10.663	1454	1458	1462	rBV	3416290	3083307	47.45%	5.145%
14	10.786	1476	1479	1487	rVB2	105175	131384	2.02%	0.219%
15	11.233	1548	1555	1558	rBV3	89148	117911	1.81%	0.197%
16	11.363	1574	1577	1580	rBV	2154976	1851478	28.49%	3.090%
17	11.386	1580	1581	1584	rVV	286113	176333	2.71%	0.294%
18	11.439	1587	1590	1593	rVB	189578	165449	2.55%	0.276%
19	11.892	1664	1667	1673	rBV	784148	675080	10.39%	1.127%
20	11.980	1678	1682	1684	rBV	245120	236678	3.64%	0.395%
21	12.163	1705	1713	1717	rBV2	61919	105849	1.63%	0.177%
22	12.457	1759	1763	1767	rBV3	82545	107093	1.65%	0.179%
23	12.580	1780	1784	1786	rBV	1226277	1152092	17.73%	1.923%
24	12.680	1797	1801	1807	rBV	399278	430352	6.62%	0.718%
25	12.804	1813	1822	1825	rBV	1044517	1173596	18.06%	1.958%
26	12.951	1843	1847	1851	rVB	4902854	4336352	66.74%	7.236%
27	13.021	1855	1859	1863	rBV3	52266	83325	1.28%	0.139%
28	13.133	1876	1878	1882	rVB	142160	135745	2.09%	0.227%
29	13.204	1885	1890	1892	rBV2	155886	199356	3.07%	0.333%
30	13.239	1892	1896	1898	rBV2	80261	81314	1.25%	0.136%
31	13.533	1943	1946	1949	rVB	117420	109307	1.68%	0.182%
32	13.862	1999	2002	2011	rBV2	244823	387161	5.96%	0.646%
33	14.004	2021	2026	2029	rBV2	1856986	2103047	32.37%	3.510%
34	14.033	2029	2031	2033	rVB	373442	289130	4.45%	0.482%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.110	2042	2044	2048	rVB	108924	94955	1.46%	0.158%
36	14.180	2052	2056	2061	rBV2	229636	260578	4.01%	0.435%
37	14.480	2104	2107	2110	rBV2	403562	377946	5.82%	0.631%
38	14.792	2156	2160	2163	rVB	444903	454950	7.00%	0.759%
39	15.045	2199	2203	2206	rBV	351763	553686	8.52%	0.924%
40	15.127	2214	2217	2223	rBV2	436392	566851	8.72%	0.946%
41	15.345	2251	2254	2260	rVB	239178	304434	4.69%	0.508%
42	15.404	2261	2264	2271	rVV	335903	416366	6.41%	0.695%
43	15.468	2271	2275	2279	rVV	1132942	1466221	22.57%	2.447%
44	15.509	2279	2282	2289	rVB2	445393	651863	10.03%	1.088%
45	15.951	2353	2357	2362	rVB	299242	414192	6.37%	0.691%
46	16.462	2440	2444	2452	rVB2	162654	297845	4.58%	0.497%
47	16.927	2519	2523	2530	rVB2	122010	232583	3.58%	0.388%

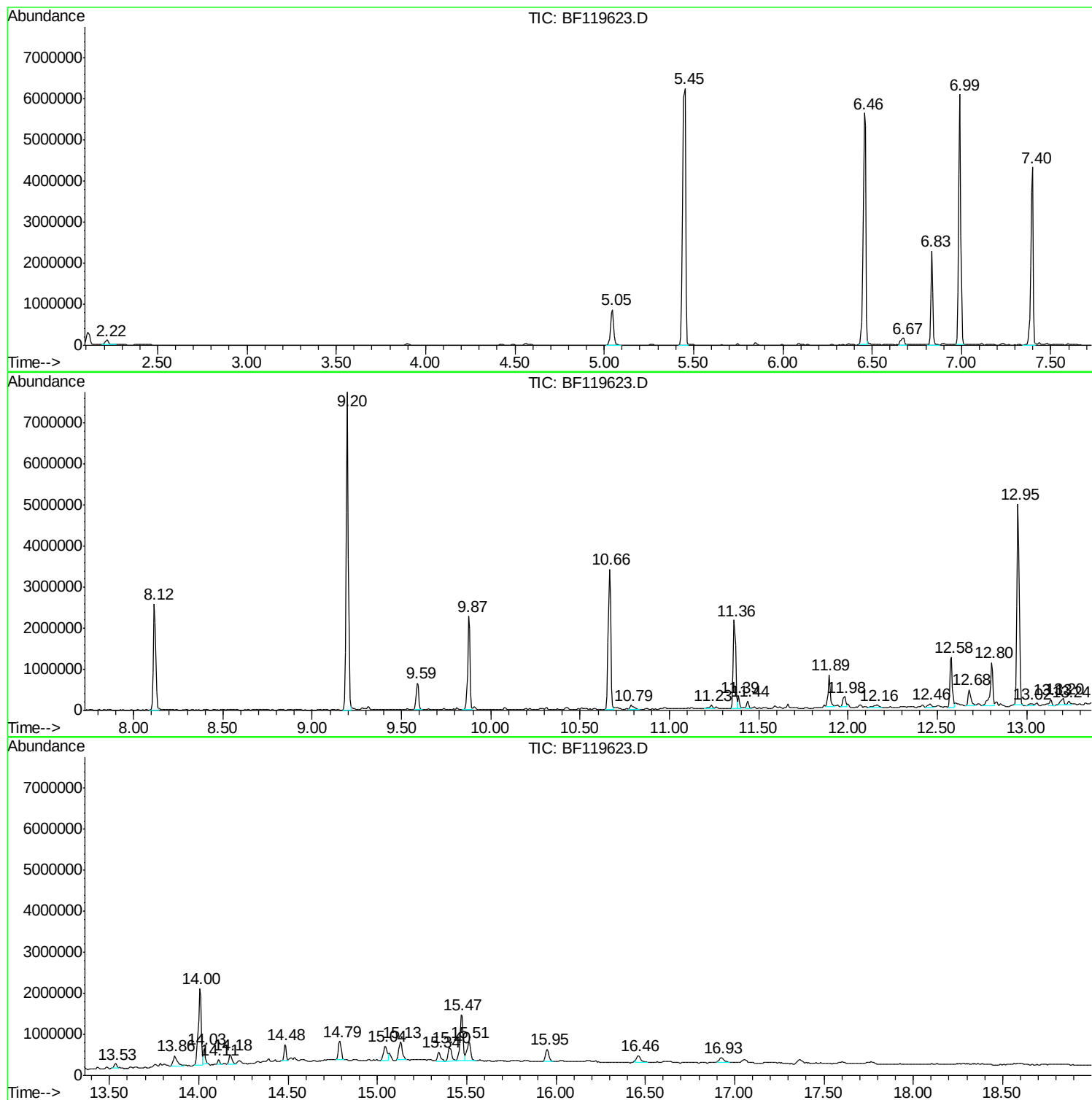
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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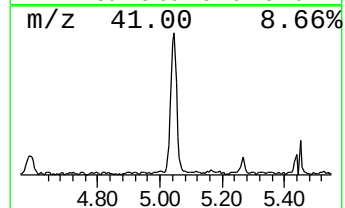
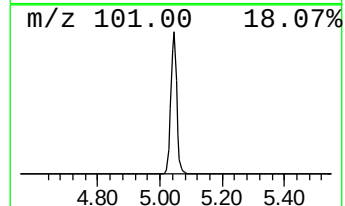
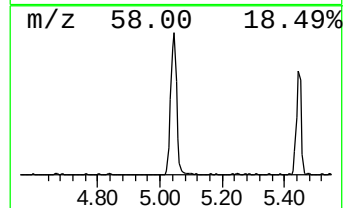
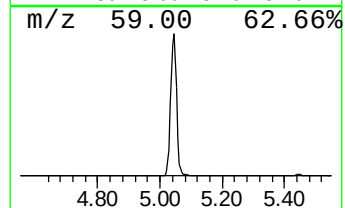
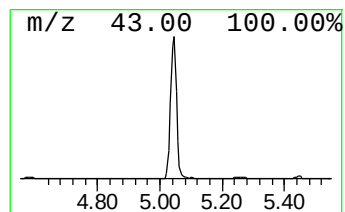
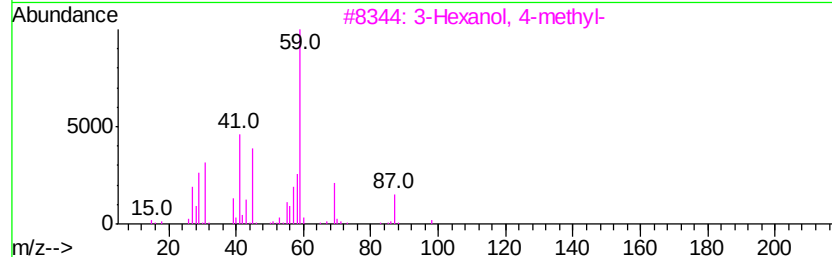
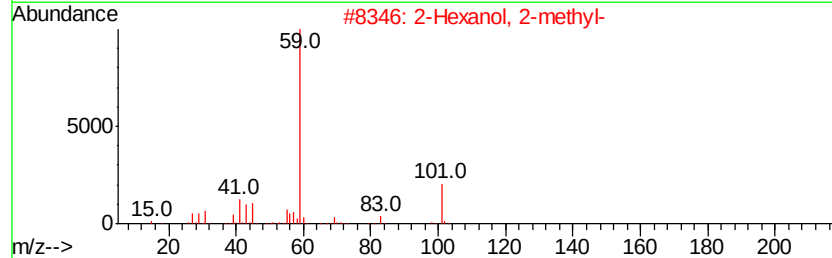
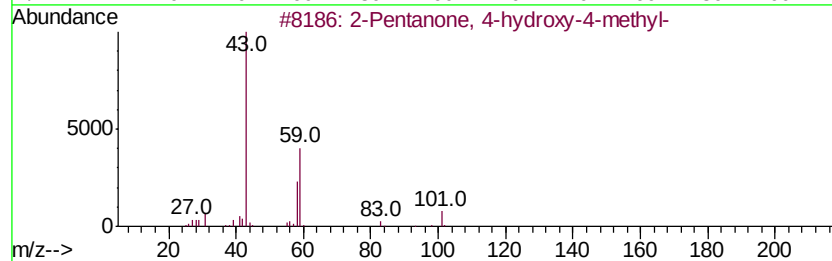
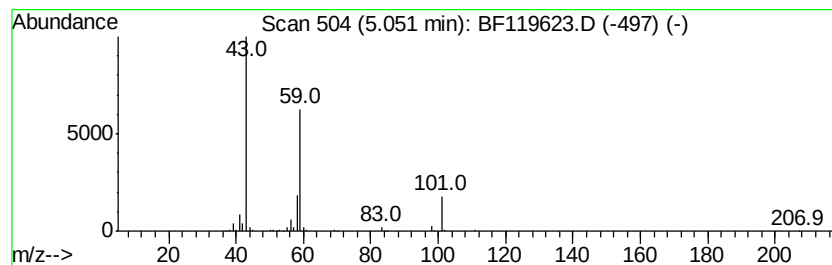
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	12.20 ng	1116490	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
5		Guanidine	59	CH5N3	000113-00-8	9



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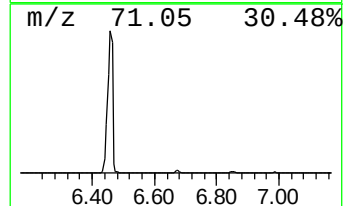
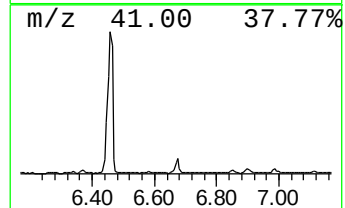
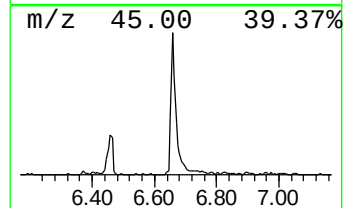
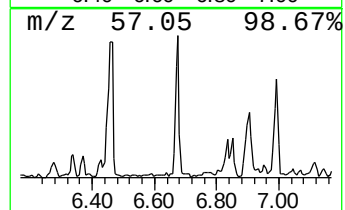
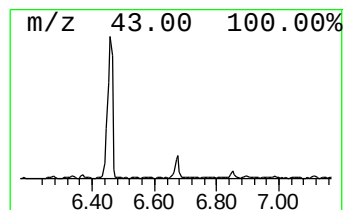
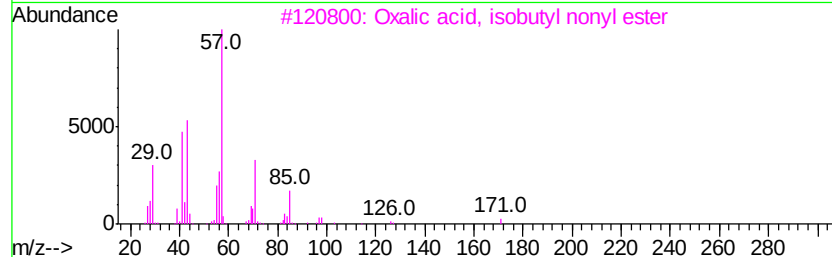
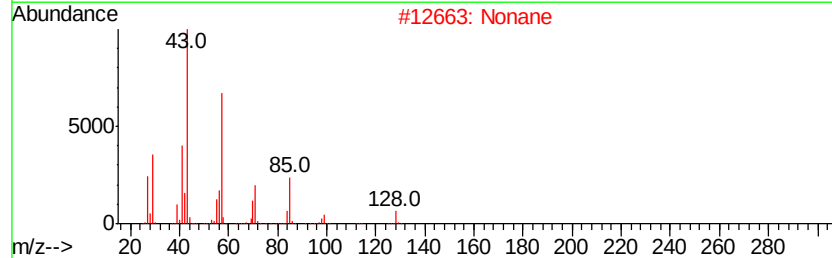
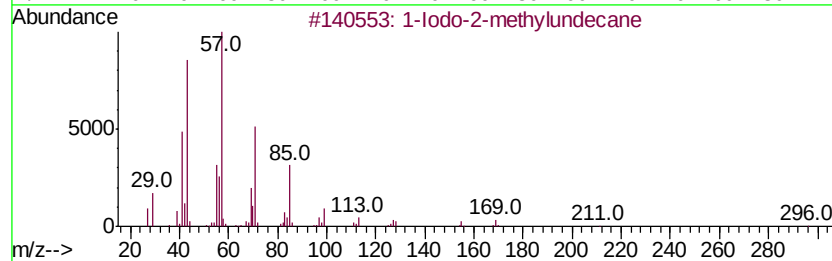
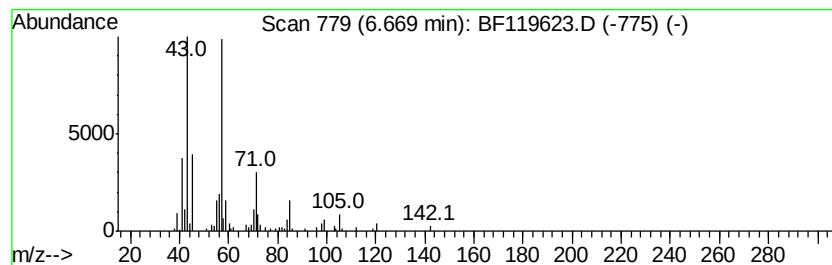
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Peak Number 2 1-Iodo-2-methylundecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	2.46 ng	224783	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	72
2		Nonane	128	C9H20	000111-84-2	64
3		Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	59
4		Decane	142	C10H22	000124-18-5	59
5		Octane	114	C8H18	000111-65-9	50



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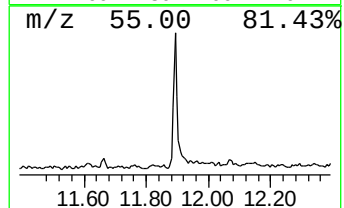
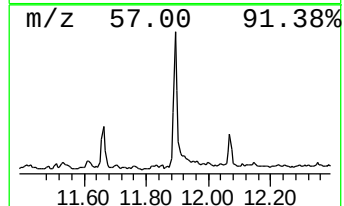
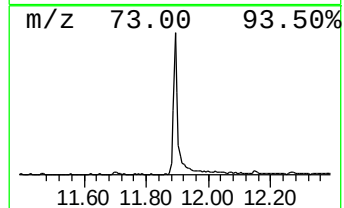
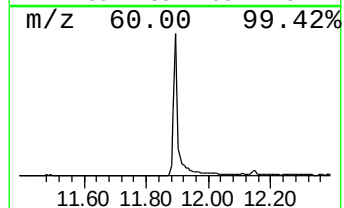
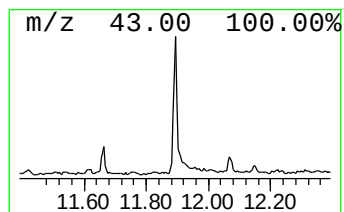
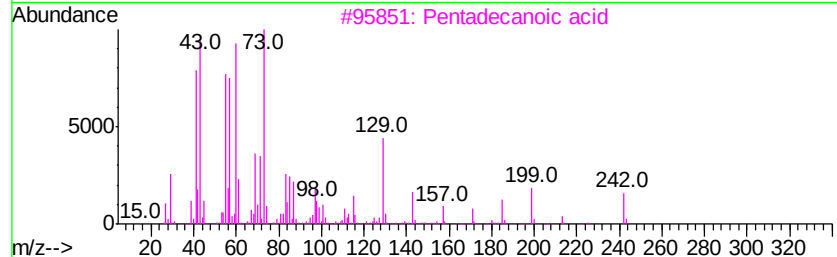
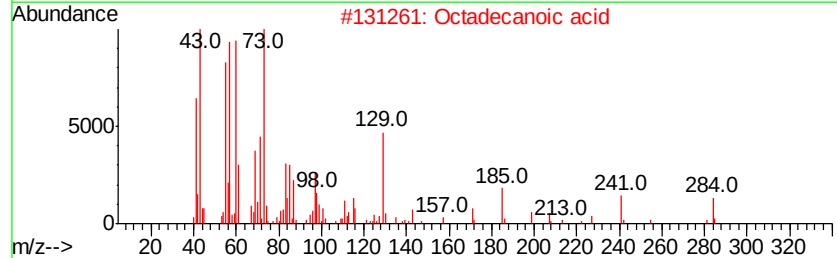
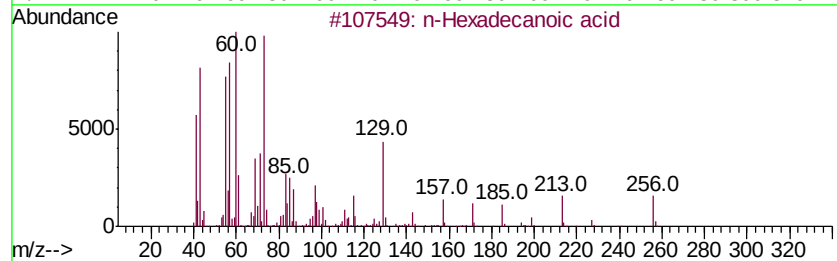
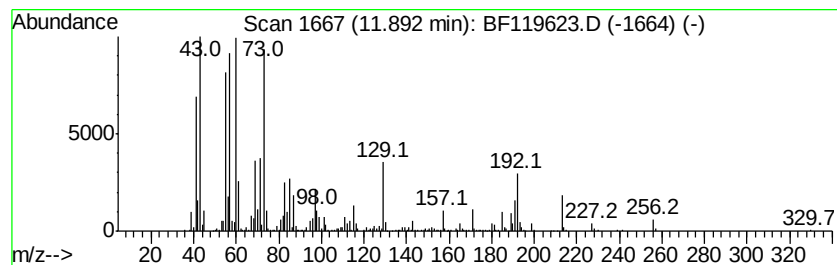
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.89	7.29 ng	675080	Phenanthrene-d10		11.36
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2	Octadecanoic acid	284	C18H36O2	000057-11-4	76
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4	Tridecanoic acid	214	C13H26O2	000638-53-9	64
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	58



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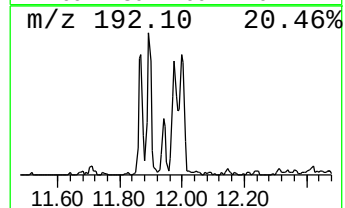
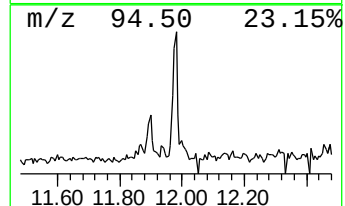
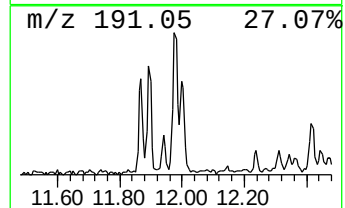
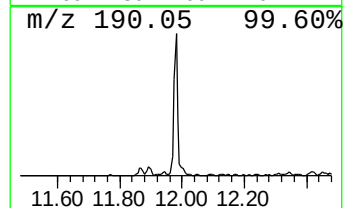
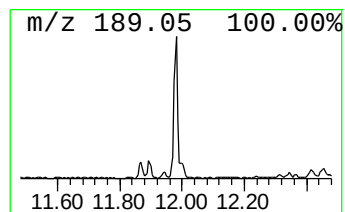
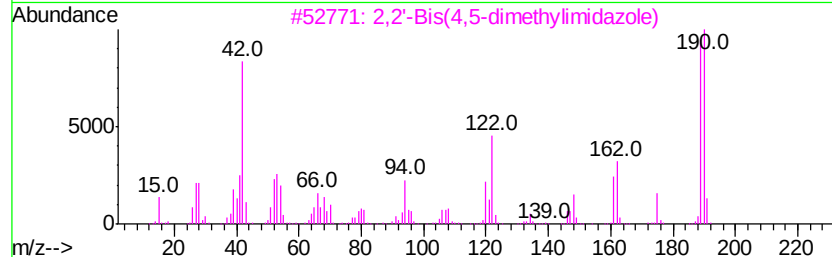
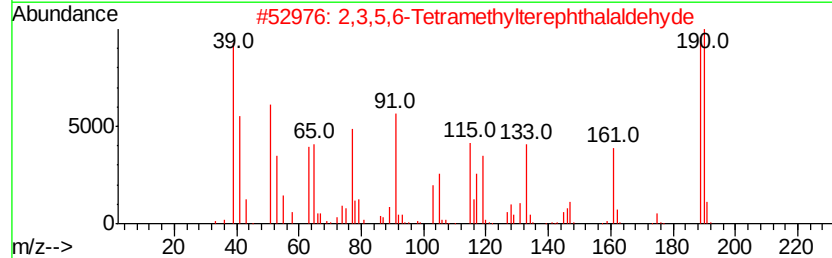
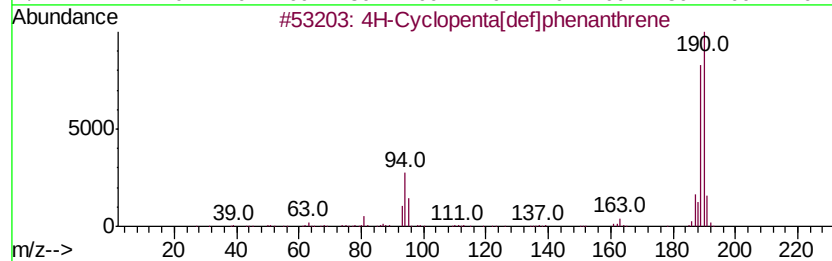
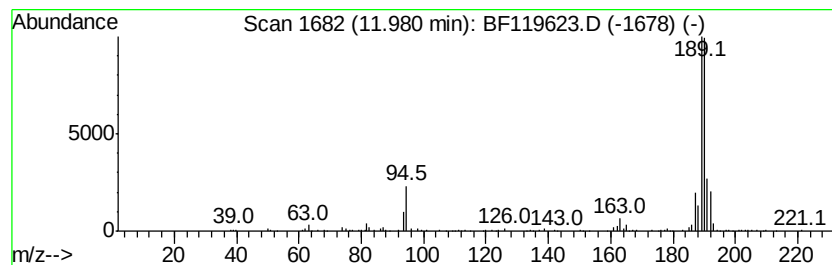
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.56 ng	236678	Phenanthrene-d10	11.36

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		2,3,5,6-Tetramethylterephthalaldehyde	190	C12H14O2	007072-01-7	50
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4		Methyl diselenide	190	C2H6Se2	007101-31-7	43
5		1,4-Naphthalenedione, 2,5-dihydro	190	C10H6O4	004923-55-1	35



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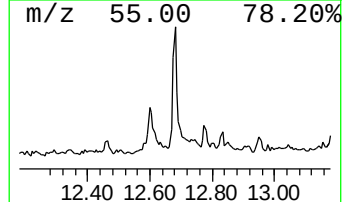
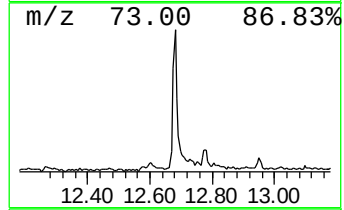
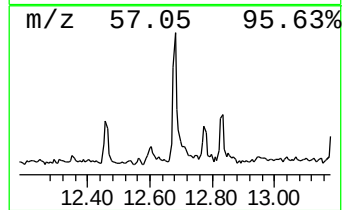
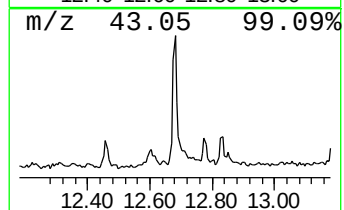
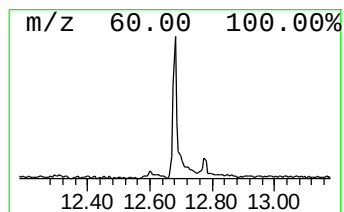
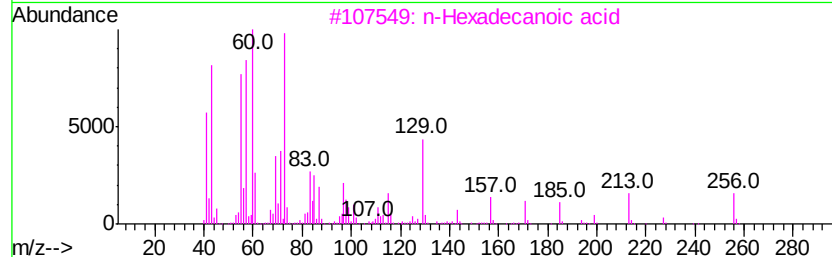
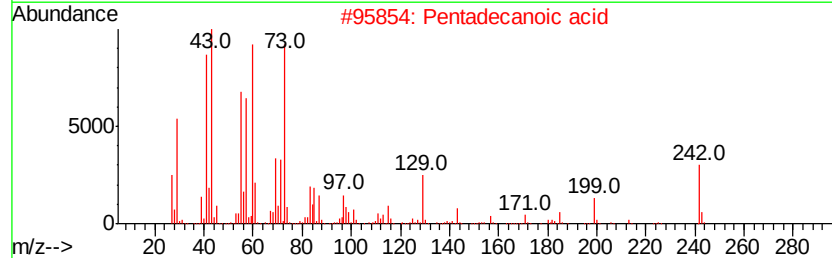
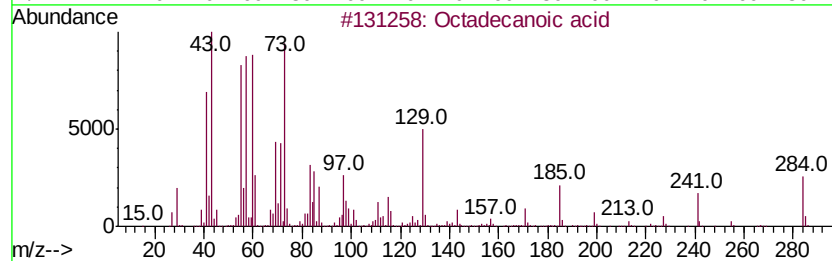
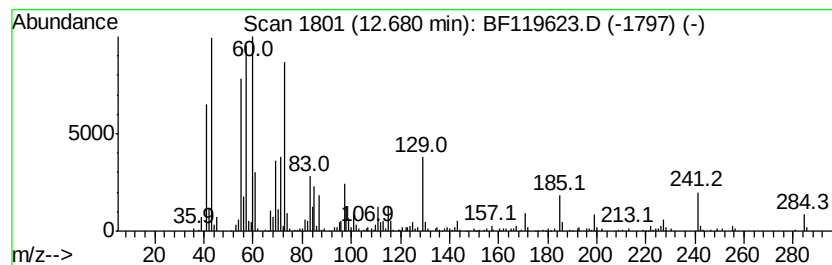
Instrument :
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ClientSampleId :
SB-1B-(0-2)

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 6 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.68	4.65 ng	430352	Phenanthrene-d10		11.36
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4	Undecanoic acid	186	C11H22O2	000112-37-8	81
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119623.D
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Operator : CG/JU
Sample : L2029-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

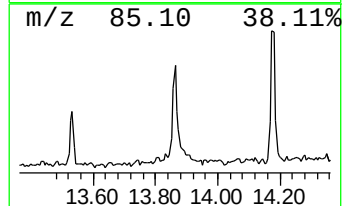
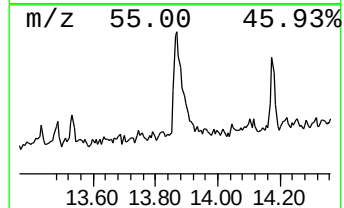
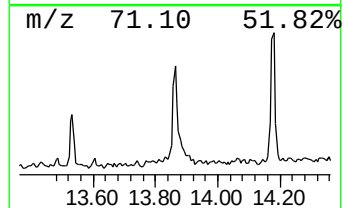
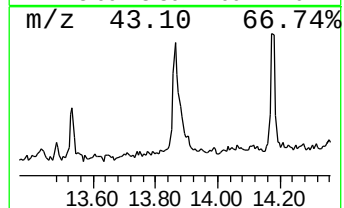
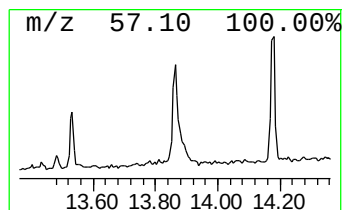
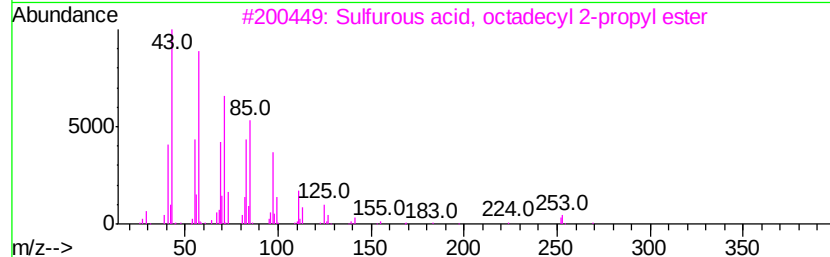
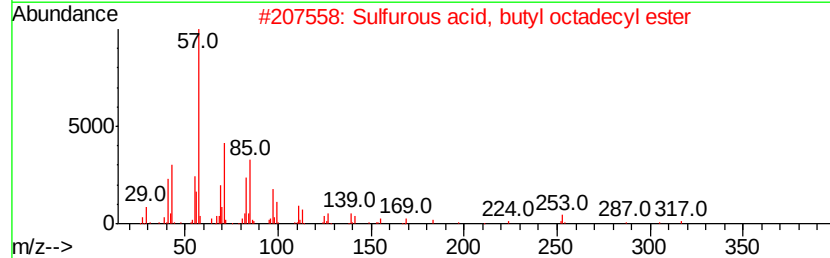
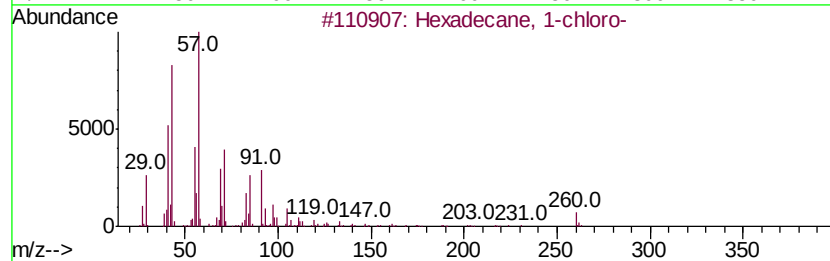
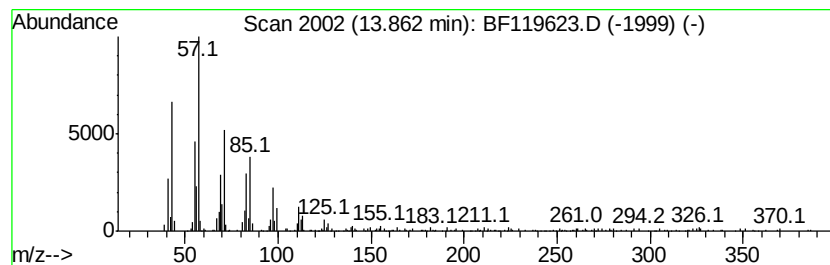
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecane, 1-chloro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.86	3.68 ng	387161	Chrysene-d12	14.01		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	91
2		Sulfurous acid, butyl octadecyl ...	390	C22H46O3S	1000309-18-5	86
3		Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	81
4		Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	80
5		Tricosane, 2-methyl-	338	C24H50	001928-30-9	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
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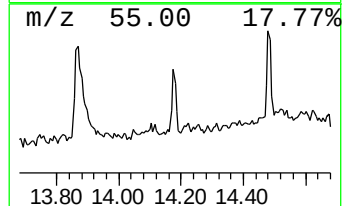
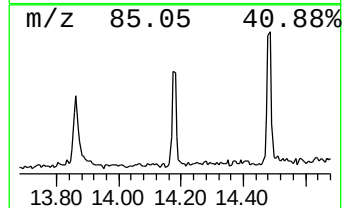
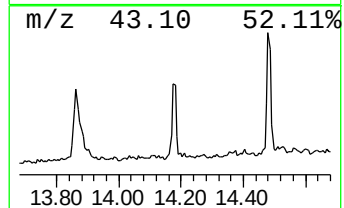
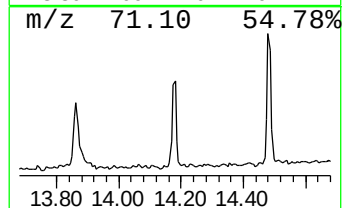
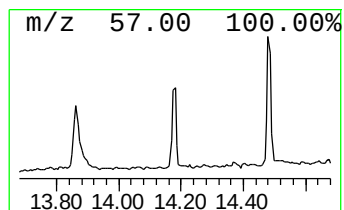
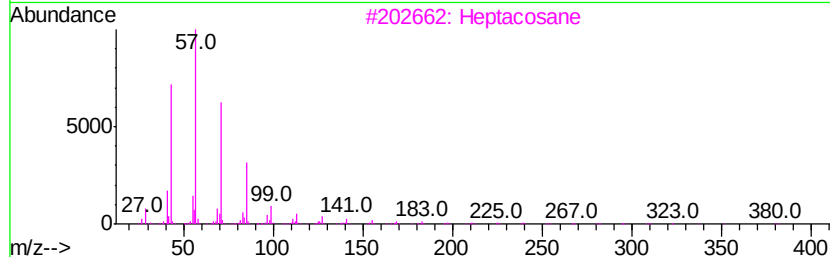
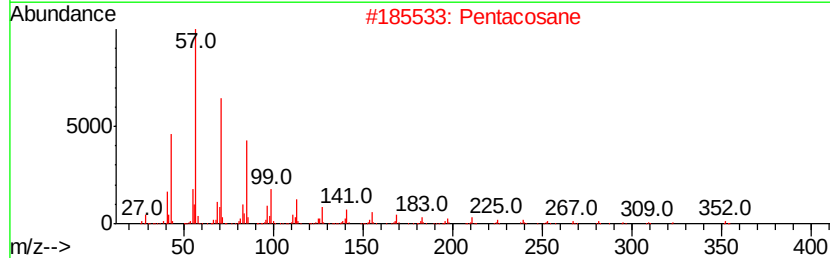
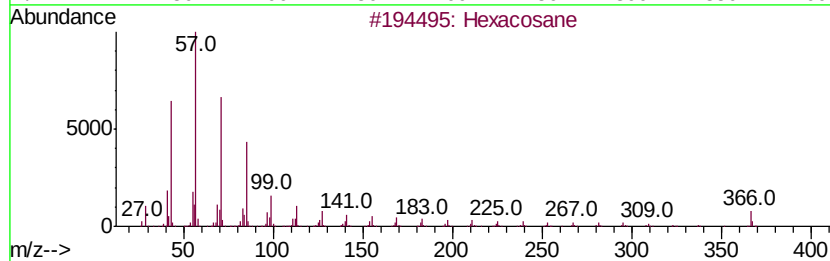
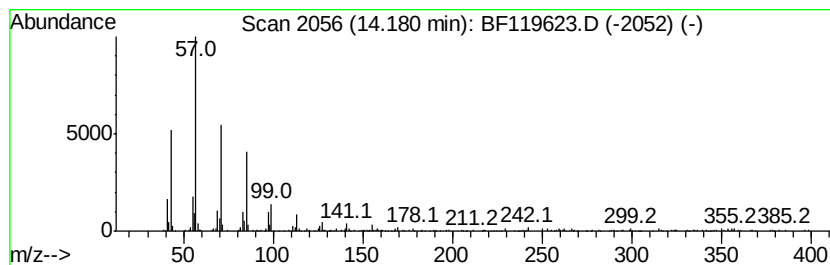
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Hexacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	2.48 ng	260578	Chrysene-d12	14.01

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane		366	C26H54	000630-01-3	90
2	Pentacosane		352	C25H52	000629-99-2	87
3	Heptacosane		380	C27H56	000593-49-7	83
4	Decane, 1-iodo-		268	C10H21I	002050-77-3	81
5	Heneicosane		296	C21H44	000629-94-7	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
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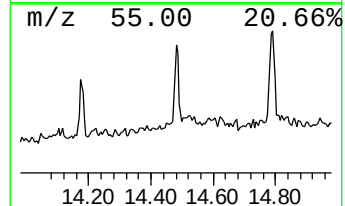
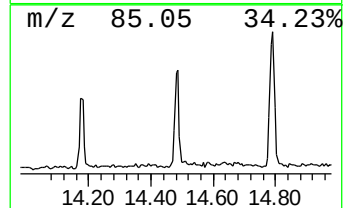
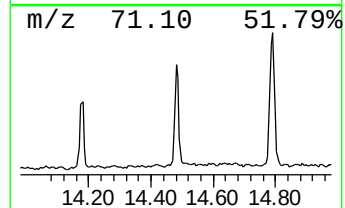
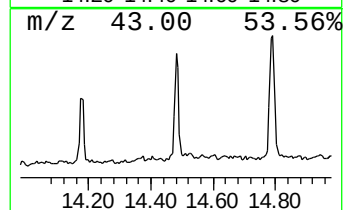
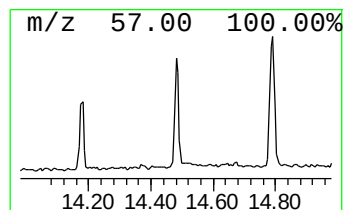
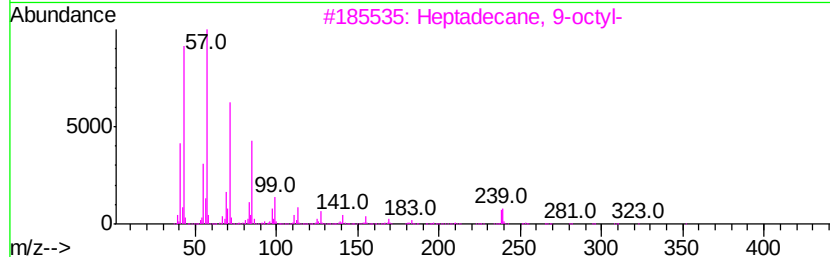
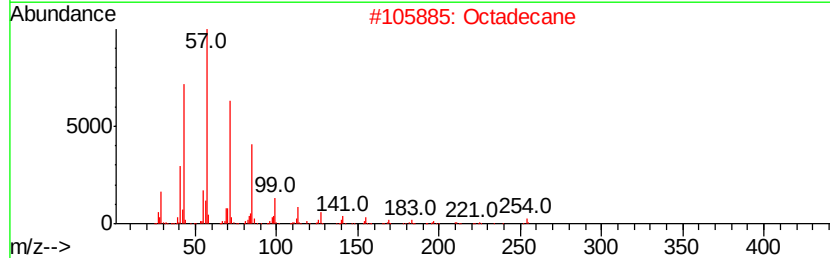
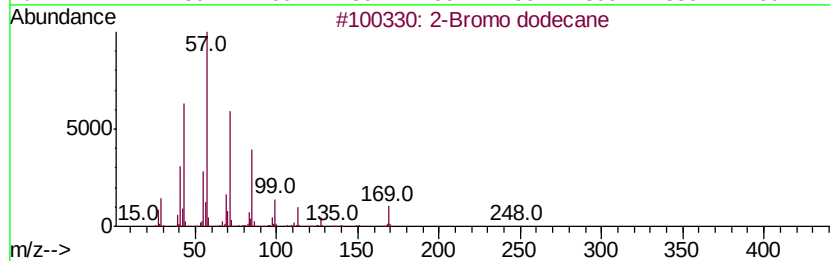
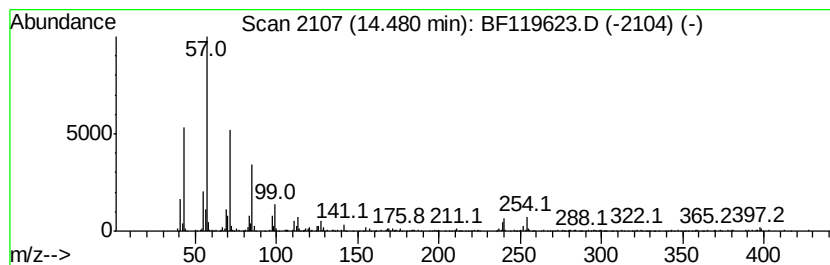
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 2-Bromo dodecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.		
14.48	3.59 ng	377946	Chrysene-d12		14.01		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane			248	C12H25Br	013187-99-0	90
2	Octadecane			254	C18H38	000593-45-3	87
3	Heptadecane, 9-octyl-			352	C25H52	007225-64-1	83
4	Octadecane, 1-iodo-			380	C18H37I	000629-93-6	81
5	Heptadecane			240	C17H36	000629-78-7	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
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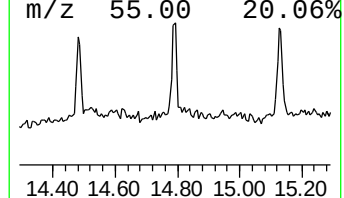
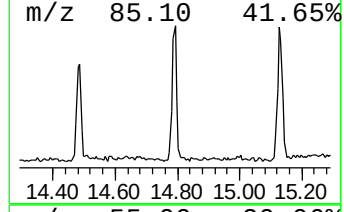
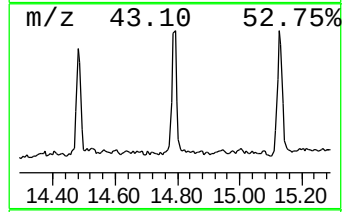
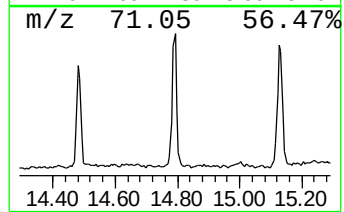
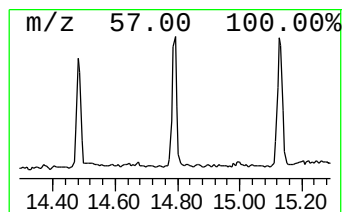
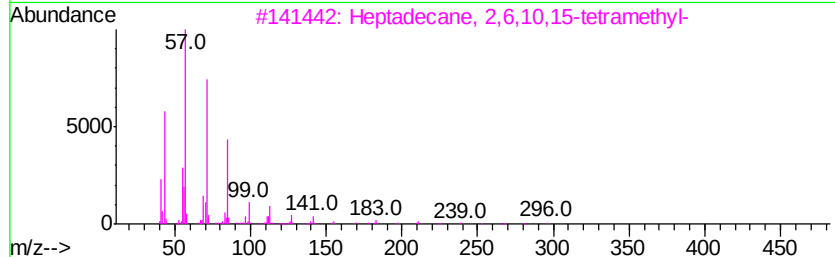
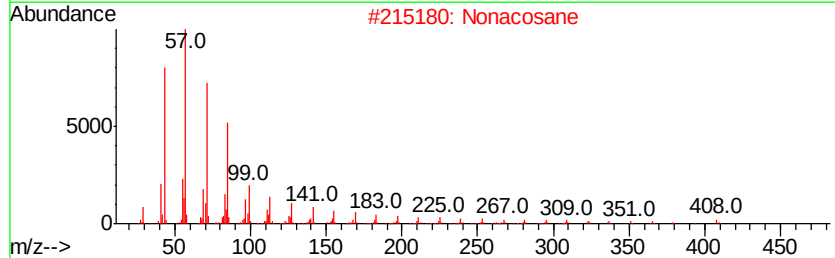
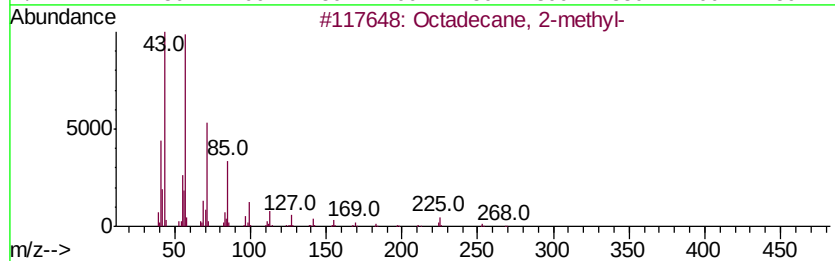
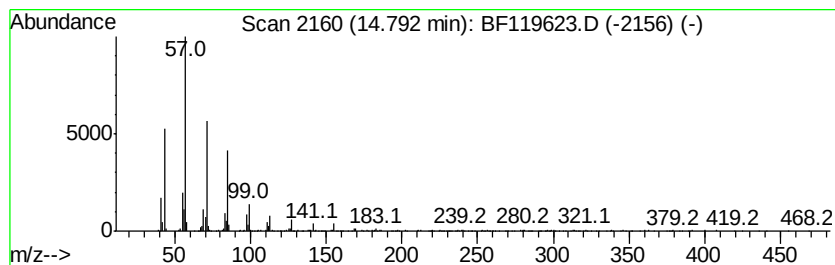
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 Octadecane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	6.21 ng	454950	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 2-methyl-	268	C19H40	001560-88-9	91
2		Nonacosane	408	C29H60	000630-03-5	91
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
4		Tetracosane	338	C24H50	000646-31-1	87
5		Heptacosane	380	C27H56	000593-49-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
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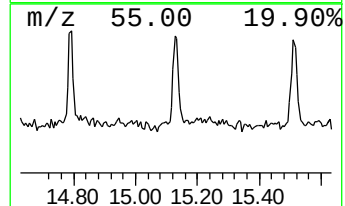
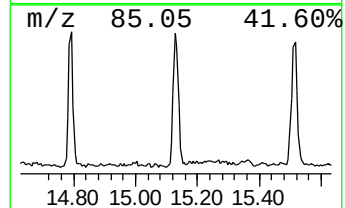
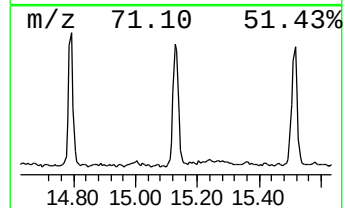
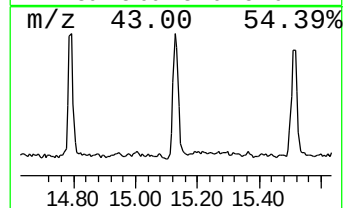
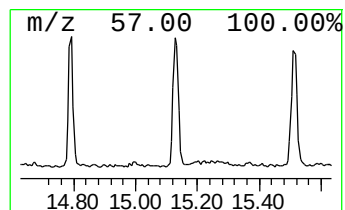
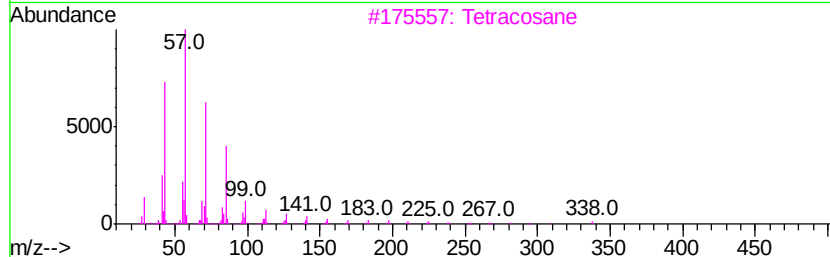
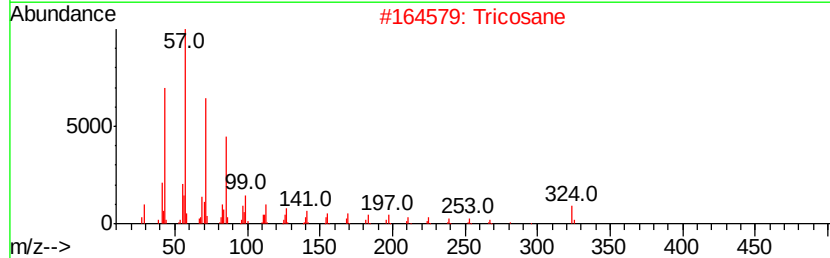
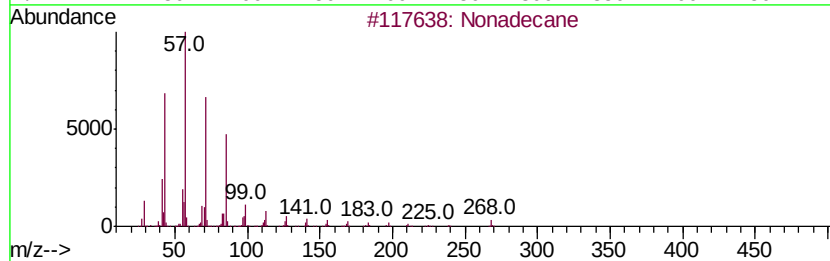
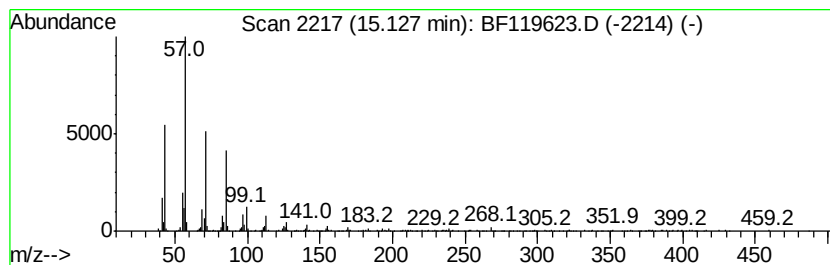
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 11 Nonadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	7.73 ng	566851	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	96
2		Tricosane	324	C23H48	000638-67-5	91
3		Tetracosane	338	C24H50	000646-31-1	87
4		Pentacosane	352	C25H52	000629-99-2	86
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119623.D
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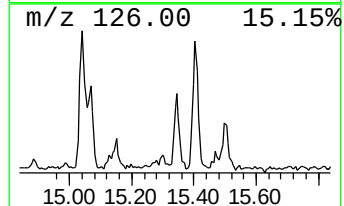
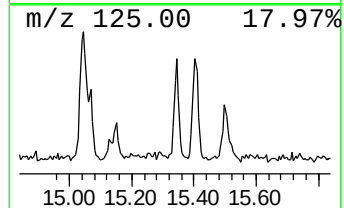
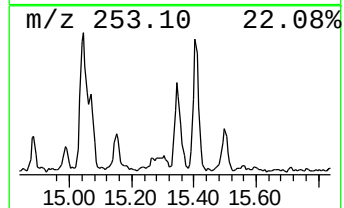
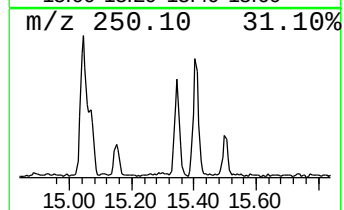
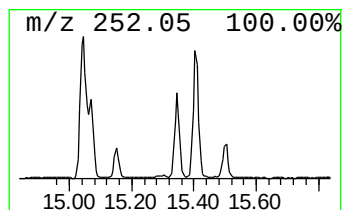
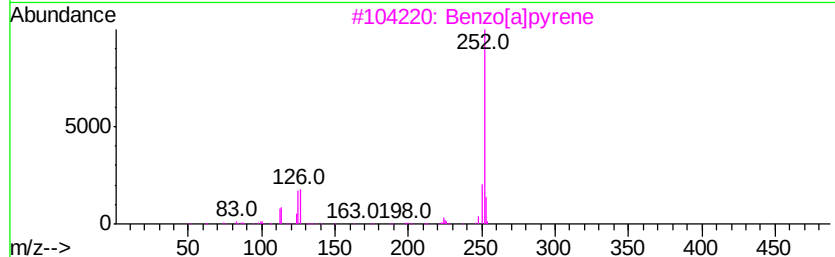
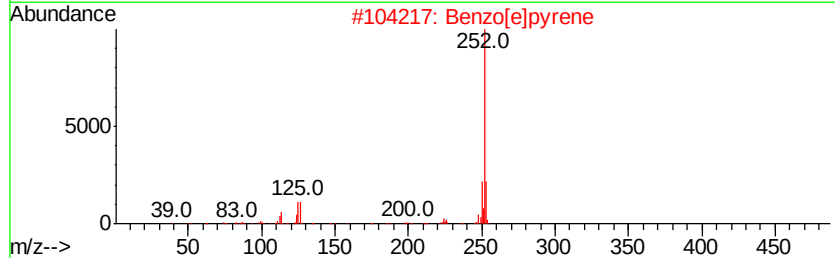
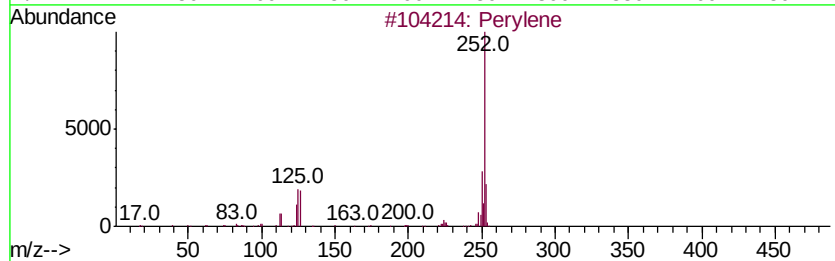
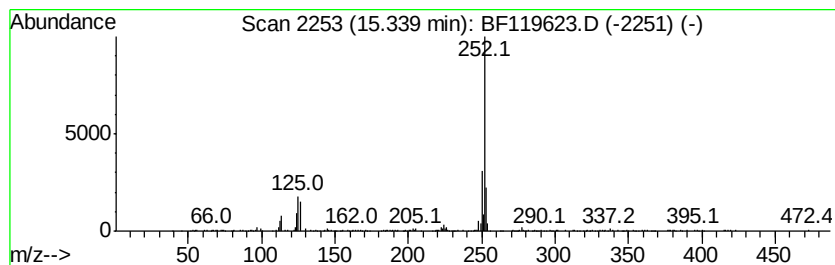
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Perylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	4.15 ng	304434	Perylene-d12	15.47

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Perylene	252	C20H12	000198-55-0	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	96
3		Benzo[a]pyrene	252	C20H12	000050-32-8	95
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
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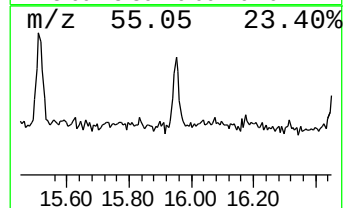
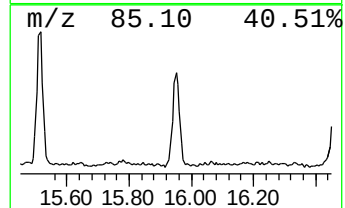
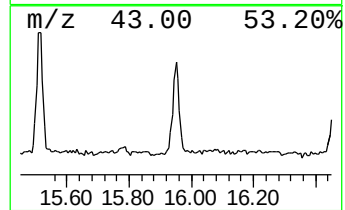
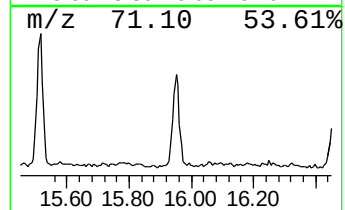
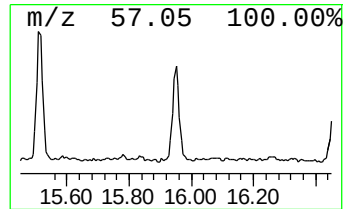
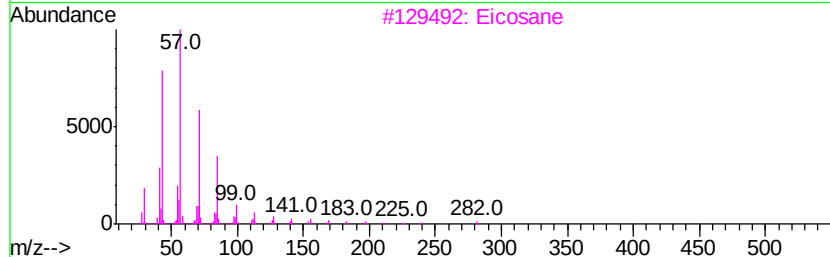
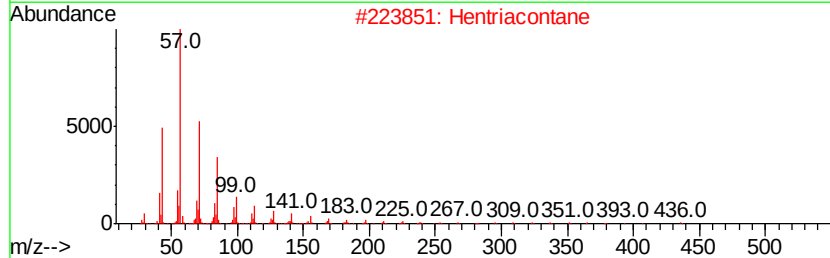
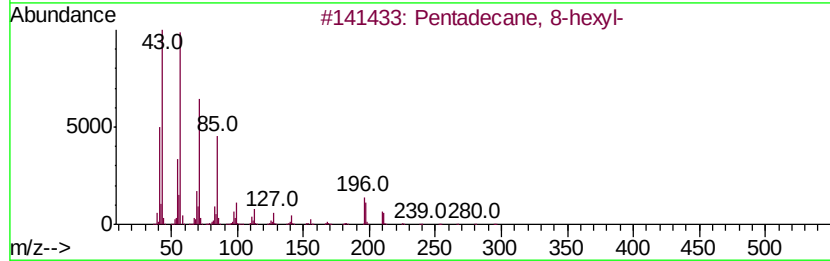
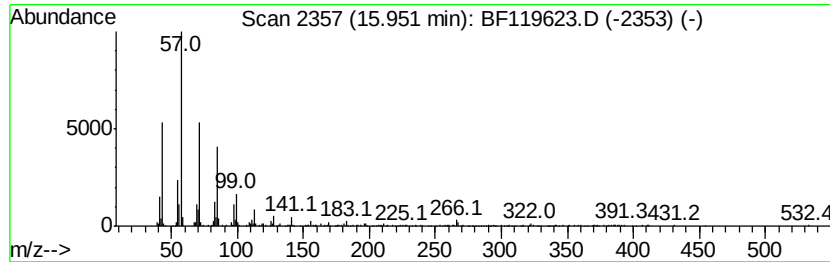
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pentadecane, 8-hexyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	5.65 ng	414192	Perylene-d12	15.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90
2			Hentriacontane	437	C31H64	000630-04-6	86
3			Eicosane	282	C20H42	000112-95-8	80
4			Tetracosane	338	C24H50	000646-31-1	80
5			Eicosane, 10-methyl-	296	C21H44	054833-23-7	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
 Data File : BF119623.D
 Acq On : 28 Mar 2020 18:10
 Operator : CG/JU
 Sample : L2029-04
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

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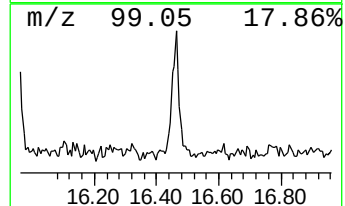
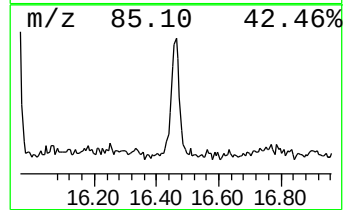
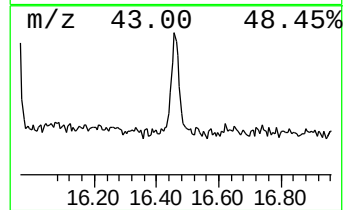
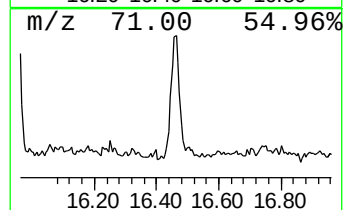
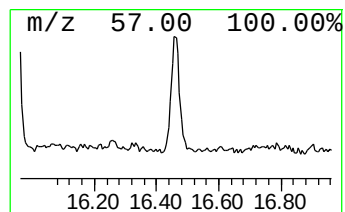
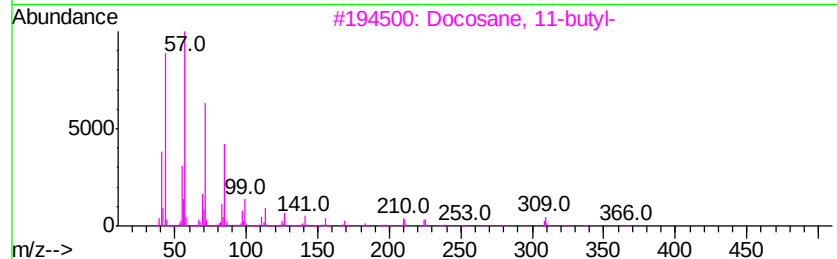
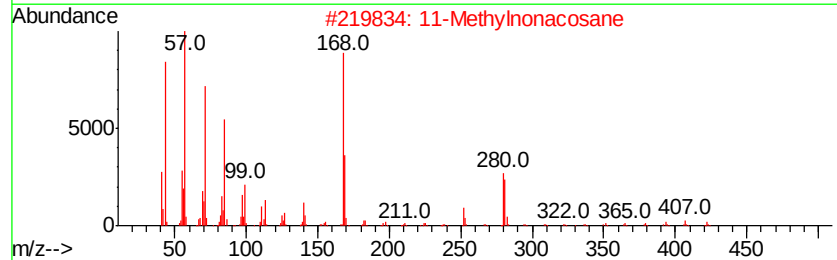
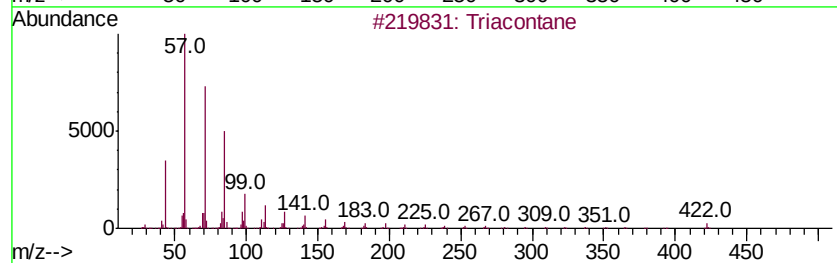
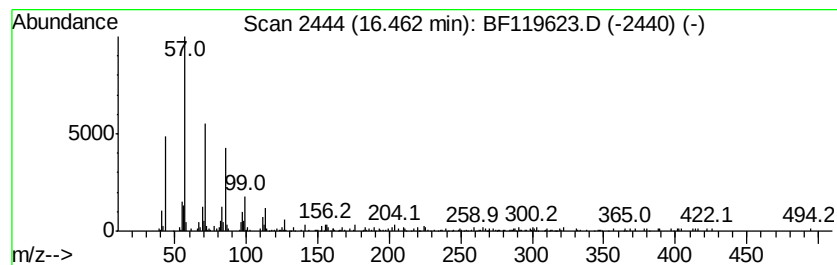
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 14 Triacontane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	4.06 ng	297845	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Triacontane	422	C30H62	000638-68-6	81
2		11-Methylnonacosane	422	C30H62	007371-99-5	81
3		Docosane, 11-butyl-	366	C26H54	013475-76-8	81
4		Heptacosane	380	C27H56	000593-49-7	81
5		Hexadecane, 6,11-dipentyl-	366	C26H54	015874-03-0	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119623.D
 Acq On : 28 Mar 2020 18:10
 Operator : CG/JU
 Sample : L2029-04
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1B-(0-2)

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
2-Pentanone, 4-hy...	5.05	12.2	ng	1116490	1	6.83	1829730	20.0
1-Iodo-2-methylun...	6.67	2.5	ng	224783	1	6.83	1829730	20.0
n-Hexadecanoic acid	11.89	7.3	ng	675080	4	11.36	1851480	20.0
4H-Cyclopenta[def...	11.98	2.6	ng	236678	4	11.36	1851480	20.0
Octadecanoic acid	12.68	4.7	ng	430352	4	11.36	1851480	20.0
Hexadecane, 1-chl...	13.86	3.7	ng	387161	5	14.01	2103050	20.0
Hexacosane	14.18	2.5	ng	260578	5	14.01	2103050	20.0
2-Bromo dodecane	14.48	3.6	ng	377946	5	14.01	2103050	20.0
Octadecane, 2-met...	14.79	6.2	ng	454950	6	15.47	1466220	20.0
Nonadecane	15.13	7.7	ng	566851	6	15.47	1466220	20.0
Perylene	15.34	4.2	ng	304434	6	15.47	1466220	20.0
Pentadecane, 8-he...	15.95	5.7	ng	414192	6	15.47	1466220	20.0
Triacontane	16.46	4.1	ng	297845	6	15.47	1466220	20.0