

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119624.D
 Acq On : 28 Mar 2020 18:37
 Operator : CG/JU
 Sample : L2040-10
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-346

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	2.199	14	19	28	rVB2	118224	148756	1.94%	0.212%
2	5.040	494	502	514	rBV	811801	1164648	15.19%	1.660%
3	5.451	566	572	575	rBV	7104410	7665605	100.00%	10.924%
4	6.463	738	744	747	rBV	6839271	7592222	99.04%	10.819%
5	6.657	774	777	784	rBV	148545	148591	1.94%	0.212%
6	6.834	803	807	810	rBV	2271548	1732455	22.60%	2.469%
7	6.992	830	834	837	rBV	6624892	5572725	72.70%	7.941%
8	7.398	897	903	906	rBV	4990448	4607029	60.10%	6.565%
9	8.116	1020	1025	1028	rBV	2412063	2045651	26.69%	2.915%
10	9.198	1204	1209	1212	rBV	8576713	7423116	96.84%	10.578%
11	9.316	1227	1229	1233	rVB	97901	83167	1.08%	0.119%
12	9.586	1272	1275	1280	rBV	722749	634822	8.28%	0.905%
13	9.875	1321	1324	1328	rVV	2359051	2034541	26.54%	2.899%
14	9.910	1328	1330	1334	rVB	118432	93708	1.22%	0.134%
15	10.663	1454	1458	1462	rBV	4041454	3908030	50.98%	5.569%
16	10.798	1476	1481	1486	rVB4	79165	127523	1.66%	0.182%
17	11.363	1573	1577	1580	rBV	2059521	1743451	22.74%	2.484%
18	11.386	1580	1581	1584	rVV	294873	180876	2.36%	0.258%
19	11.439	1588	1590	1593	rVB	108264	83695	1.09%	0.119%
20	11.763	1642	1645	1651	rVB	89333	96258	1.26%	0.137%
21	11.892	1664	1667	1674	rBV	1259261	1358802	17.73%	1.936%
22	11.980	1679	1682	1688	rVB	148480	173927	2.27%	0.248%
23	12.580	1780	1784	1786	rBV	822313	789017	10.29%	1.124%
24	12.604	1786	1788	1797	rVB6	62614	97885	1.28%	0.139%
25	12.680	1797	1801	1808	rBV	956670	985814	12.86%	1.405%
26	12.804	1815	1822	1825	rBV	641190	714243	9.32%	1.018%
27	12.957	1843	1848	1851	rVB	5491876	5261620	68.64%	7.498%
28	13.133	1871	1878	1882	rVB3	109430	172792	2.25%	0.246%
29	13.204	1882	1890	1892	rBV2	104728	164527	2.15%	0.234%
30	13.468	1932	1935	1943	rBV4	326696	460954	6.01%	0.657%
31	13.863	1997	2002	2018	rVB2	654181	1085757	14.16%	1.547%
32	14.004	2021	2026	2029	rVV2	1821550	2146780	28.01%	3.059%
33	14.027	2029	2030	2036	rVB	245853	225735	2.94%	0.322%
34	14.174	2052	2055	2061	rBV	568291	599458	7.82%	0.854%

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

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

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35	14.480	2104	2107	2110	rBV	954417	895008	11.68%	1.275%
36	14.639	2131	2134	2139	rBV	136849	154309	2.01%	0.220%
37	14.786	2156	2159	2164	rVB	1120878	1162690	15.17%	1.657%
38	15.039	2199	2202	2206	rBV	202076	289540	3.78%	0.413%
39	15.127	2213	2217	2223	rBV	1121601	1296766	16.92%	1.848%
40	15.345	2251	2254	2260	rVB2	100728	168687	2.20%	0.240%
41	15.404	2261	2264	2270	rVV	107653	135309	1.77%	0.193%
42	15.468	2271	2275	2279	rVV	1109363	1362901	17.78%	1.942%
43	15.509	2279	2282	2290	rVB	961684	1255552	16.38%	1.789%
44	15.951	2352	2357	2363	rBV	715499	1024259	13.36%	1.460%
45	16.021	2364	2369	2381	rVB7	146131	417159	5.44%	0.594%
46	16.462	2439	2444	2458	rVB2	338234	687355	8.97%	0.980%

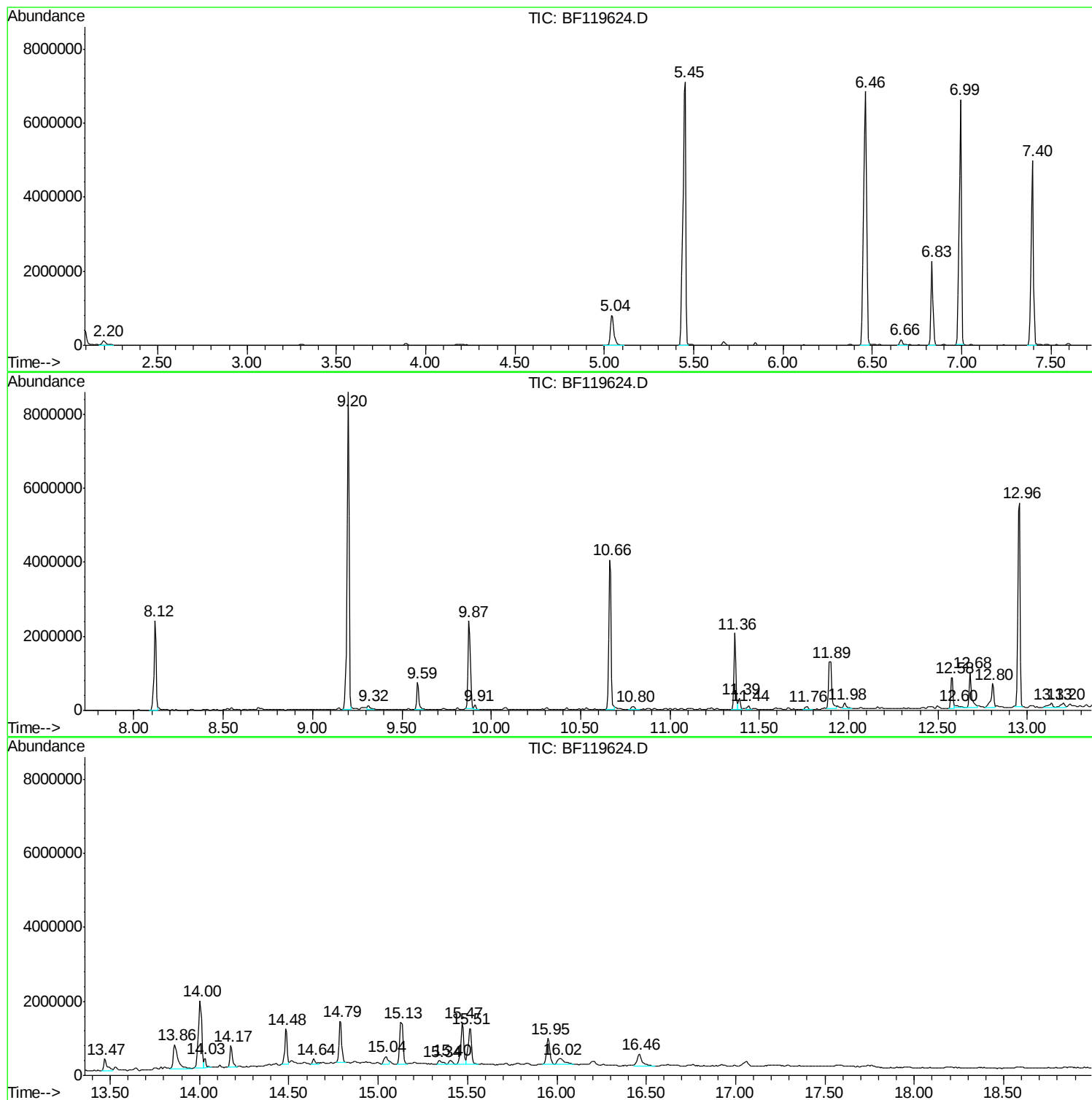
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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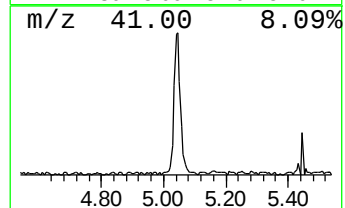
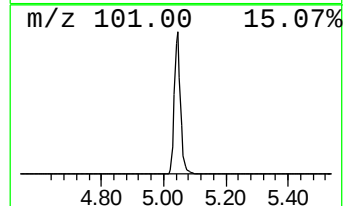
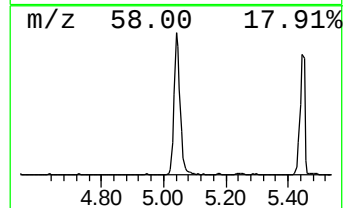
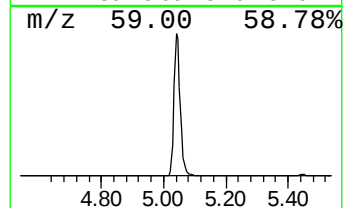
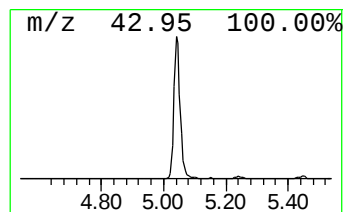
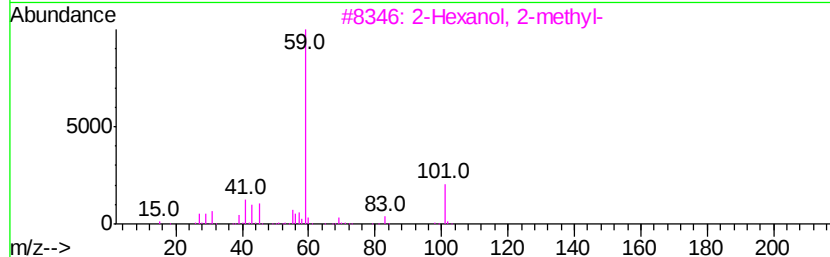
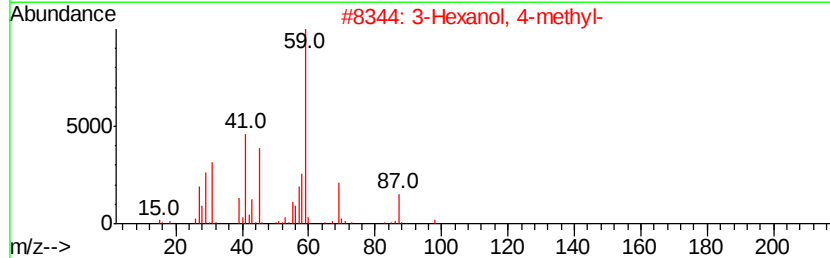
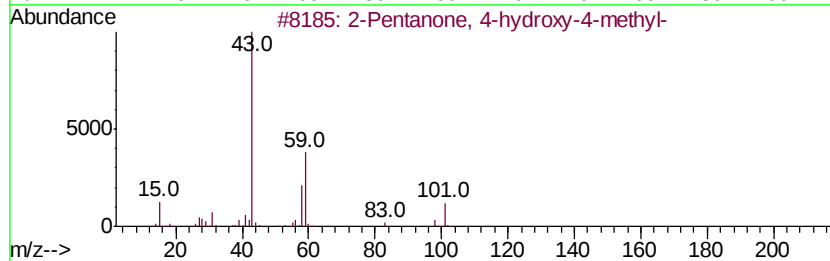
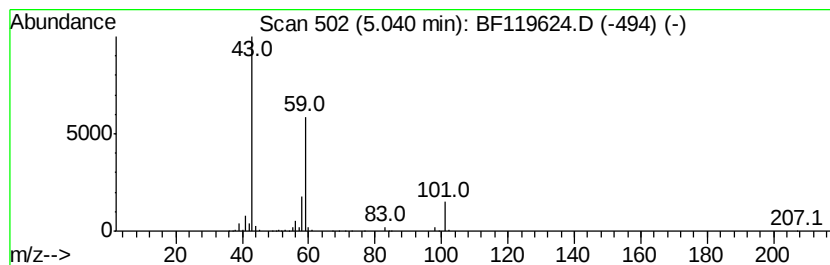
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.04	13.45 ng	1164650	1,4-Dichlorobenzene-d4	6.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16



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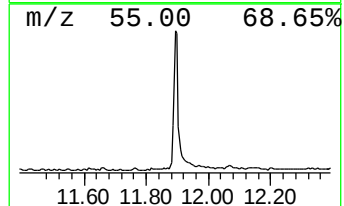
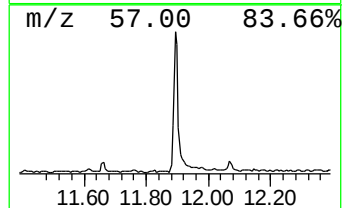
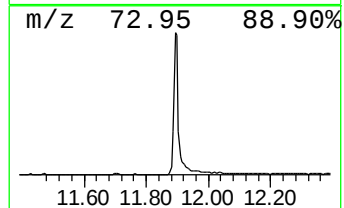
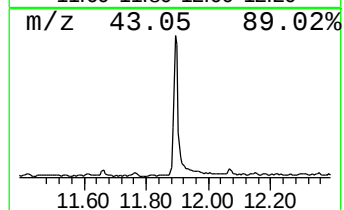
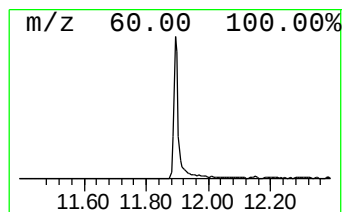
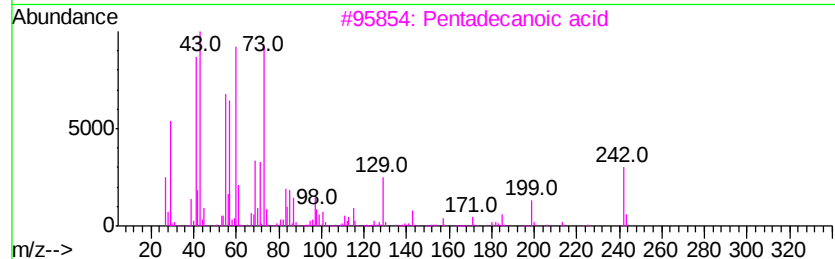
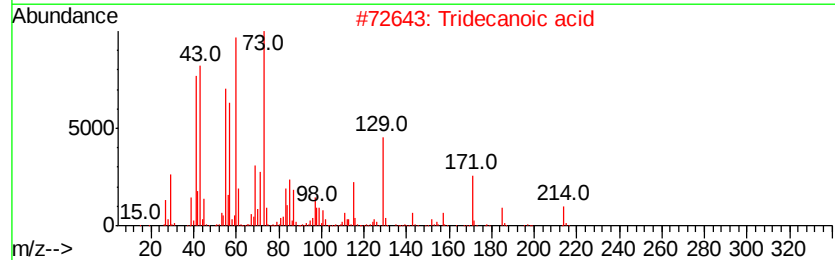
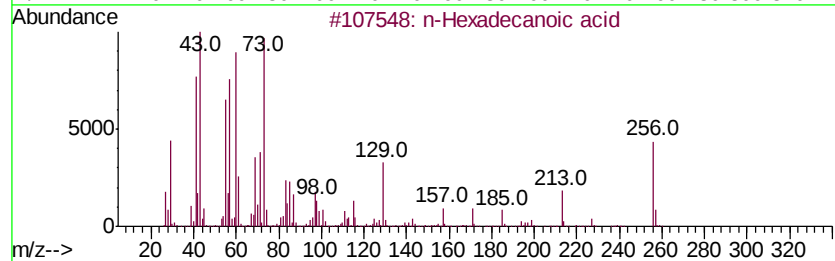
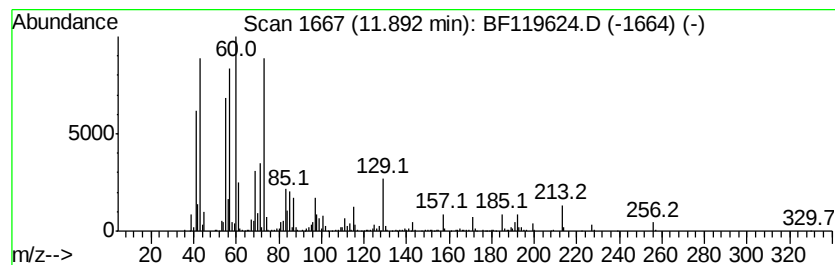
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	15.59 ng	1358800	Phenanthrene-d10	11.36

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2		Tridecanoic acid	214	C13H26O2	000638-53-9	93
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4		Dodecanoic acid	200	C12H24O2	000143-07-7	81
5		Tetradecanoic acid	228	C14H28O2	000544-63-8	78



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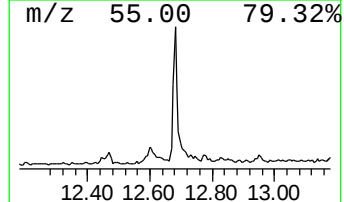
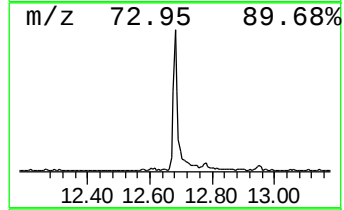
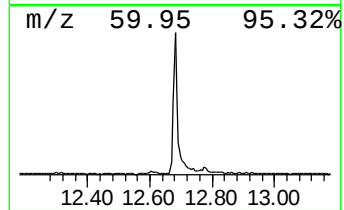
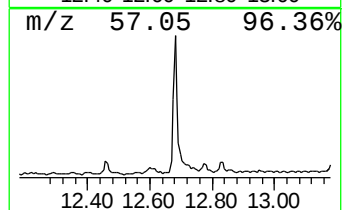
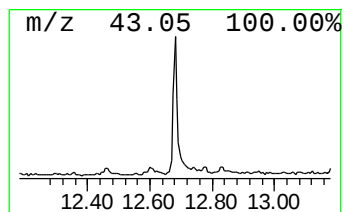
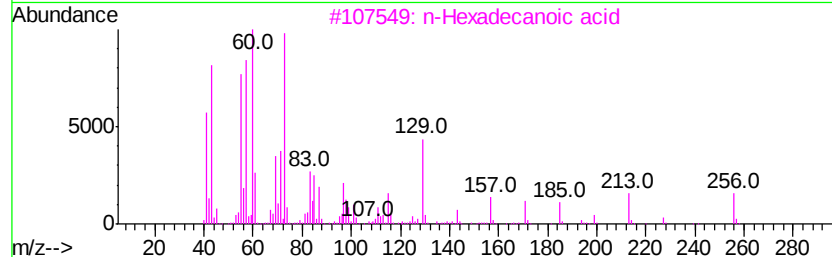
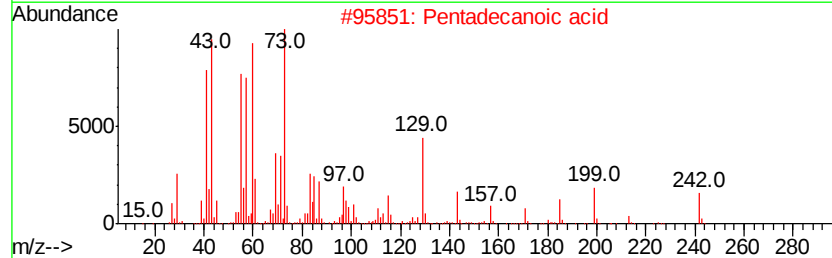
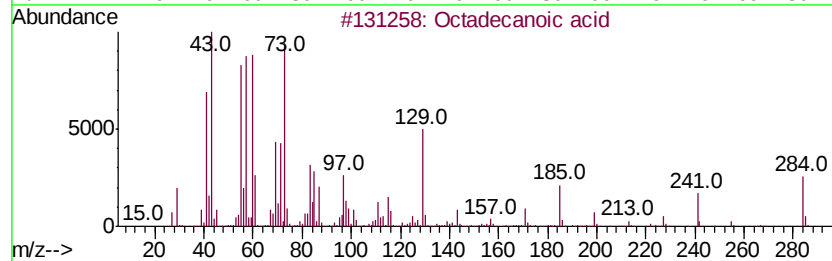
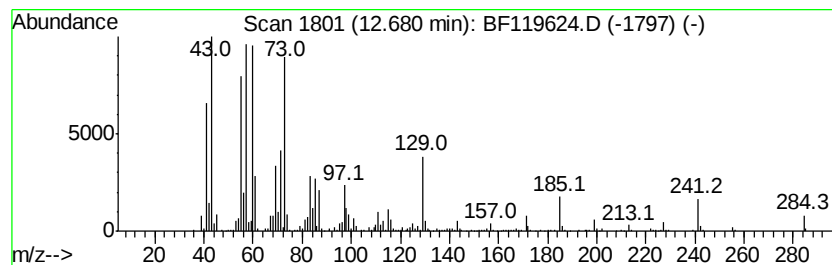
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	11.31 ng	985814	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	91
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76



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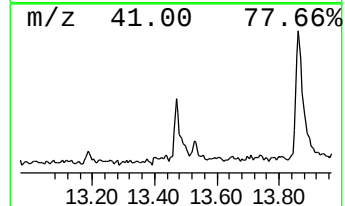
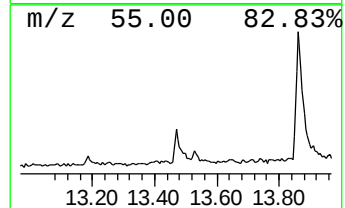
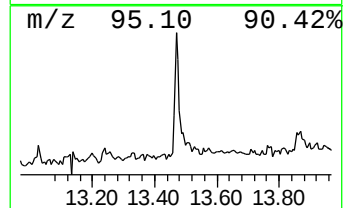
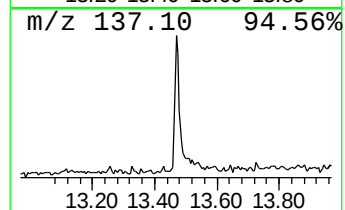
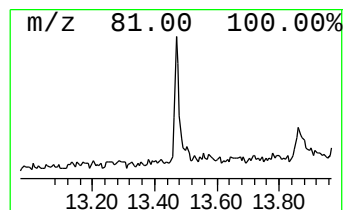
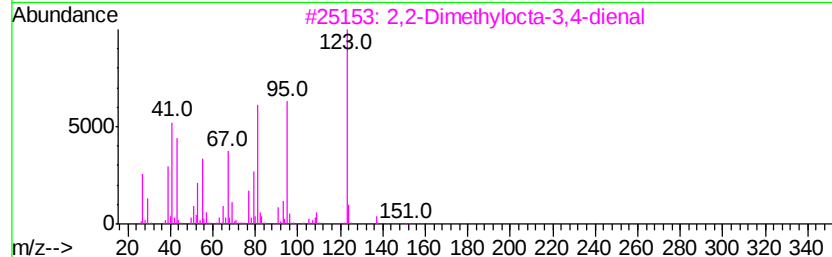
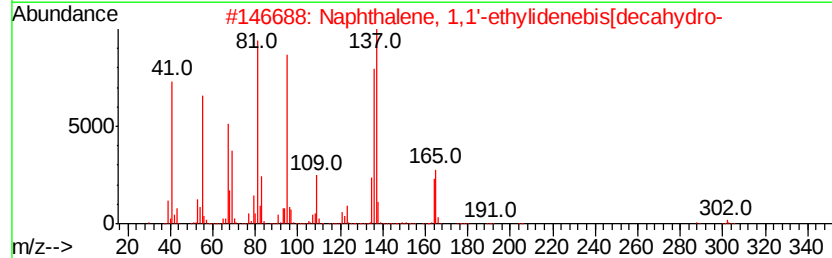
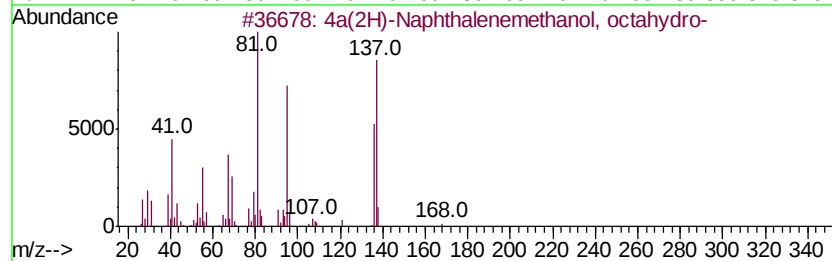
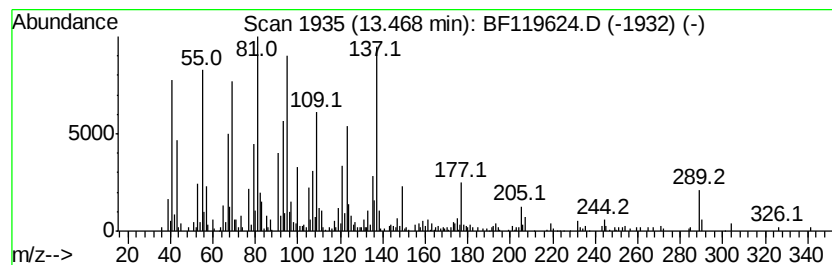
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 4a(2H)-Naphthalenemethanol,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.47	4.29 ng	460954	Chrysene-d12	14.00		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4a(2H)-Naphthalenemethanol, octa...	168	C11H20O	099992-19-5	50
2		Naphthalene, 1,1'-ethylidenebis[...	302	C22H38	054934-70-2	47
3		2,2-Dimethylocta-3,4-dienal	152	C10H16O	000590-71-6	38
4		cis,trans-3-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-41-1	38
5		Naphthalene, 1-(1,1-dimethylethy...	194	C14H26	056292-64-9	38



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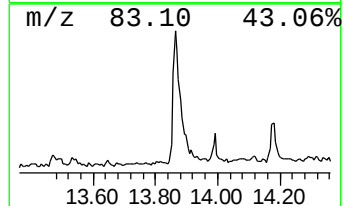
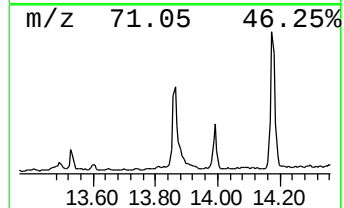
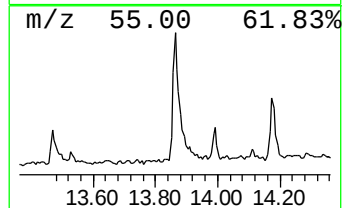
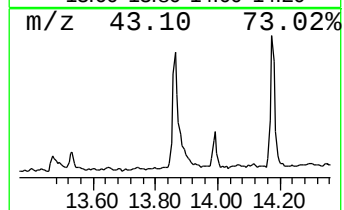
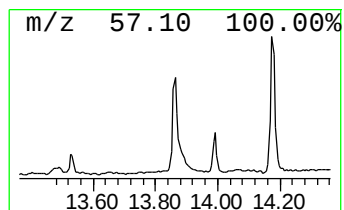
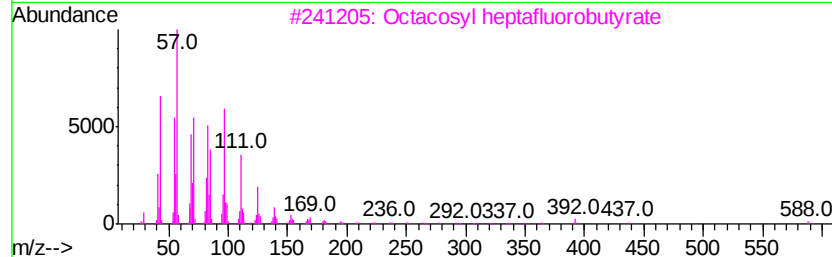
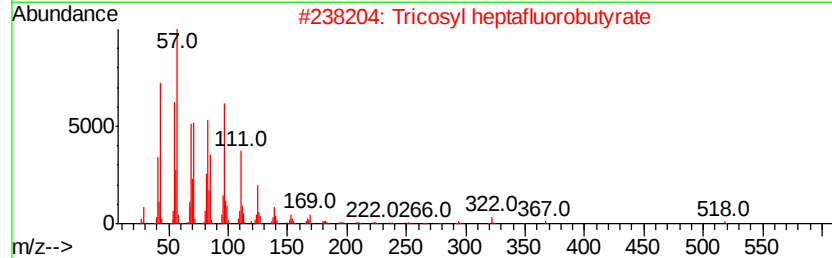
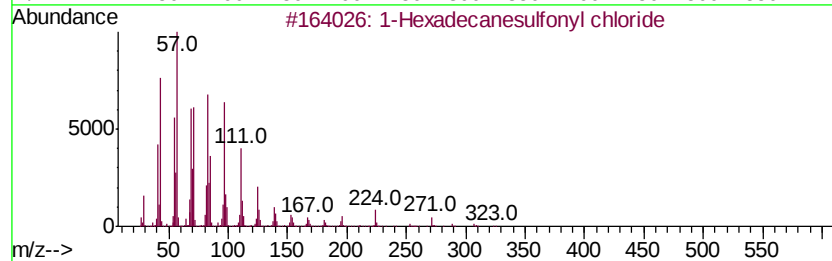
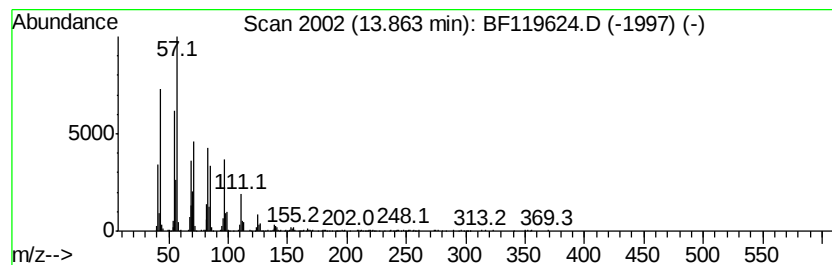
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 6 1-Hexadecanesulfonyl chloride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	10.12 ng	1085760	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	91
2		Tricosyl heptafluorobutyrte	536	C27H47F7O2	1000351-83-4	91
3		Octacosyl heptafluorobutyrte	606	C32H57F7O2	1000351-83-6	91
4		Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	91
5		Hexacosyl trifluoroacetate	478	C28H53F3O2	1000351-75-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119624.D
Acq On : 28 Mar 2020 18:37
Operator : CG/JU
Sample : L2040-10
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-346

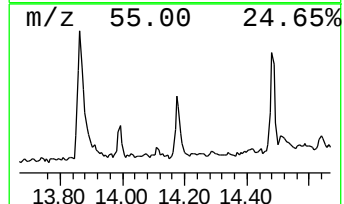
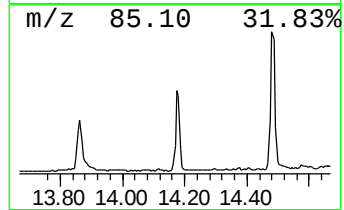
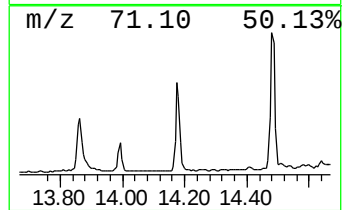
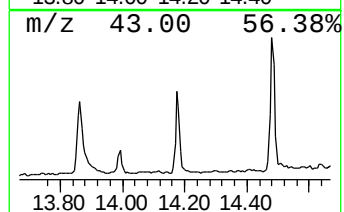
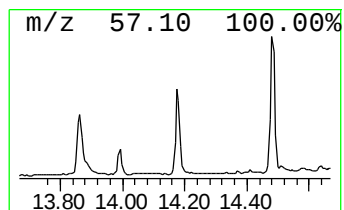
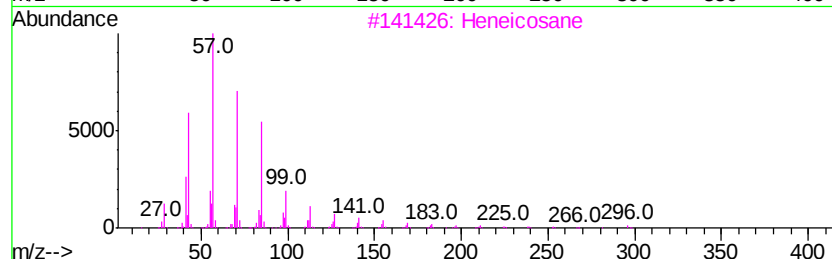
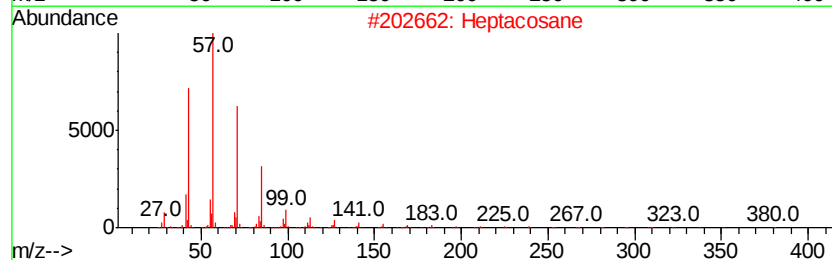
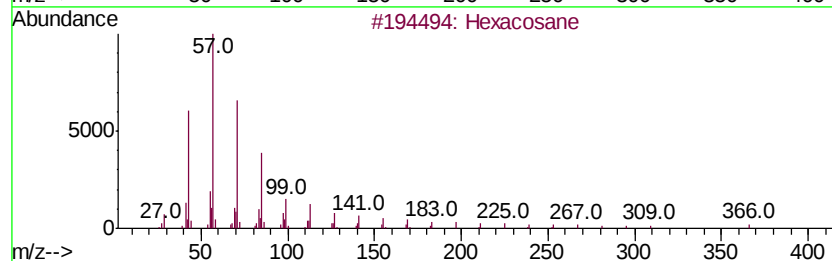
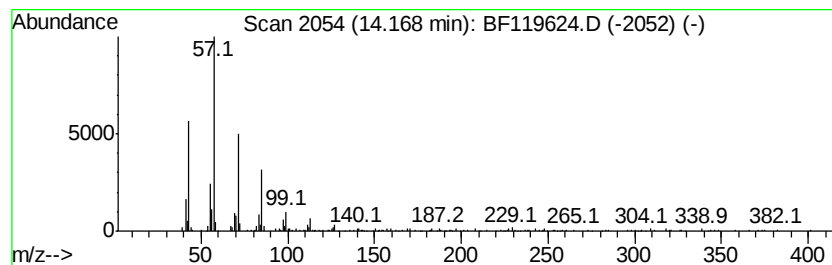
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	5.58 ng	599458	Chrysene-d12	14.00

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane		366	C26H54	000630-01-3	93
2	Heptacosane		380	C27H56	000593-49-7	91
3	Heneicosane		296	C21H44	000629-94-7	90
4	Heptadecane, 2-methyl-		254	C18H38	001560-89-0	90
5	Octacosane		394	C28H58	000630-02-4	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
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RO-346

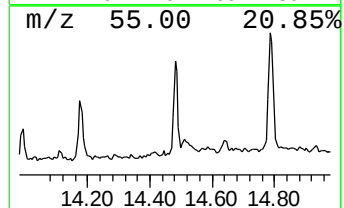
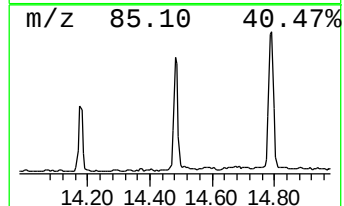
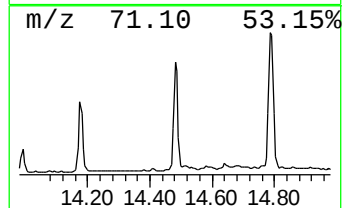
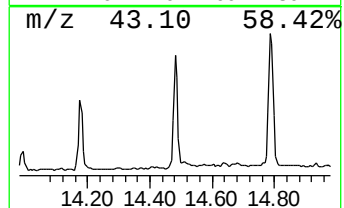
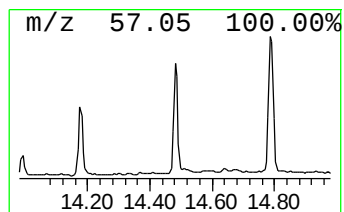
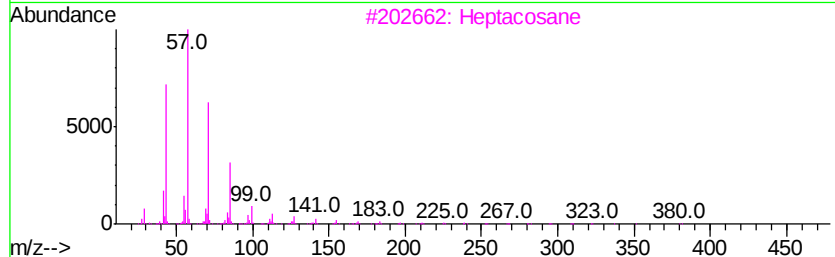
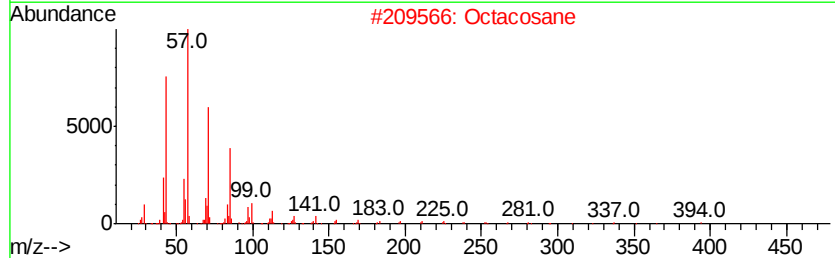
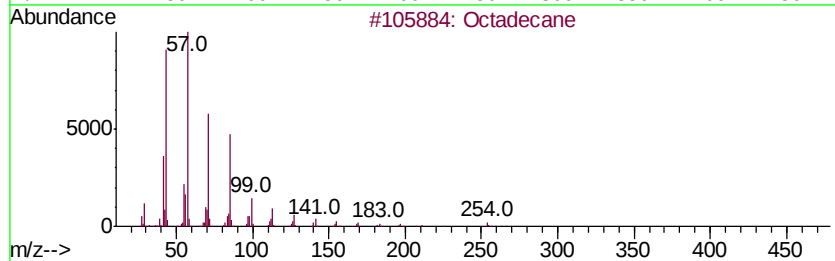
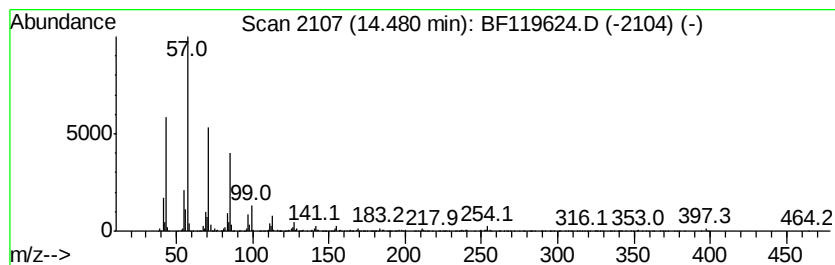
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Octadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	8.34 ng	895008	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	97
2		Octacosane	394	C28H58	000630-02-4	95
3		Heptacosane	380	C27H56	000593-49-7	91
4		Hexacosane	366	C26H54	000630-01-3	90
5		Hexadecane	226	C16H34	000544-76-3	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119624.D
Acq On : 28 Mar 2020 18:37
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Sample : L2040-10
Misc :
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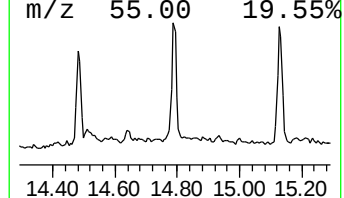
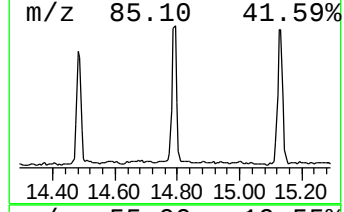
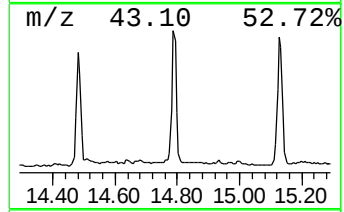
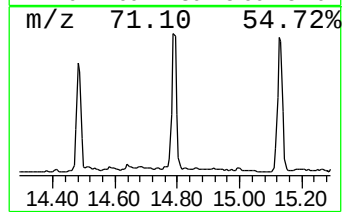
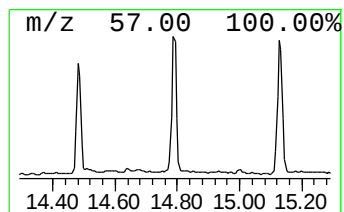
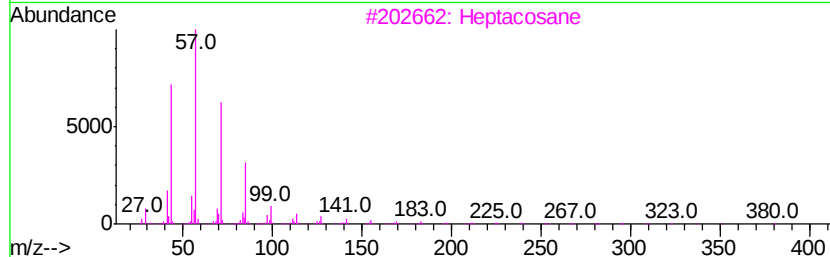
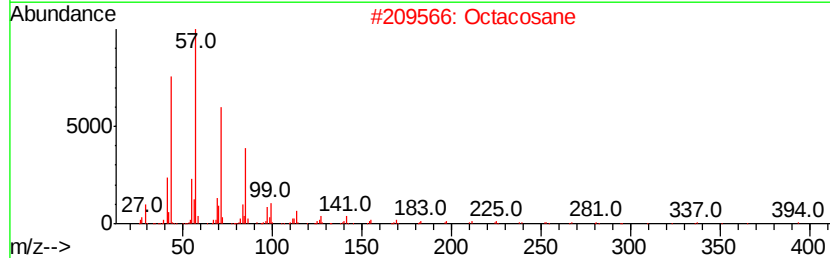
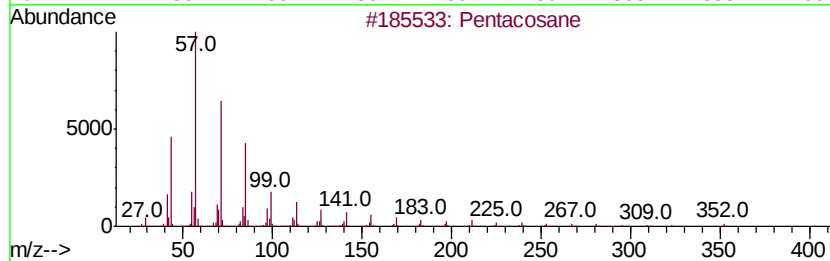
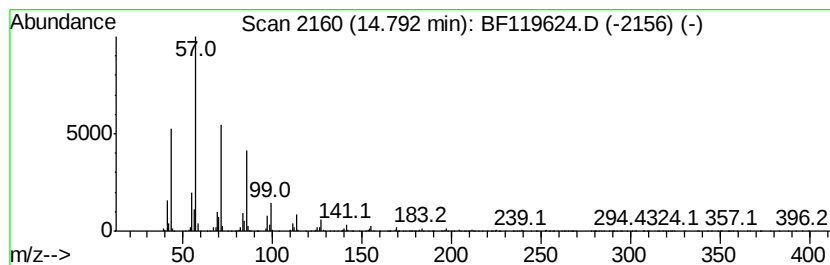
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pentacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	17.06 ng	1162690	Perylene-d12	15.47

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane		352	C25H52	000629-99-2	97
2	Octacosane		394	C28H58	000630-02-4	91
3	Heptacosane		380	C27H56	000593-49-7	91
4	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	87
5	Heneicosane		296	C21H44	000629-94-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
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Acq On : 28 Mar 2020 18:37
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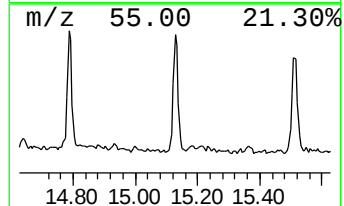
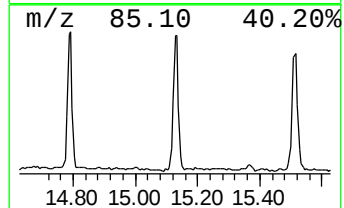
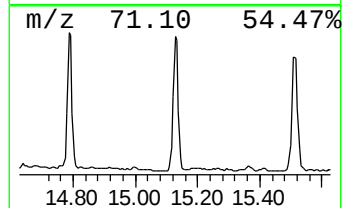
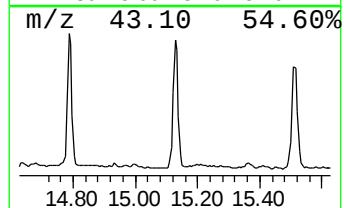
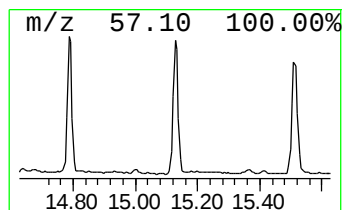
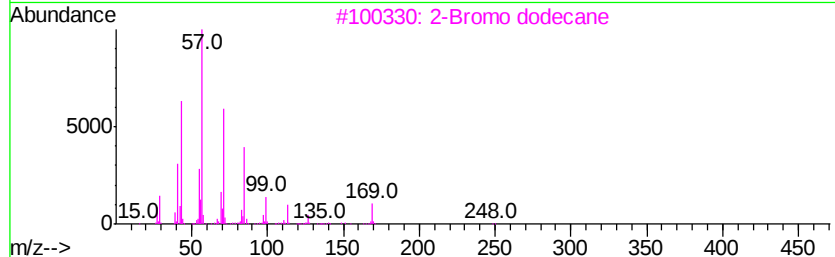
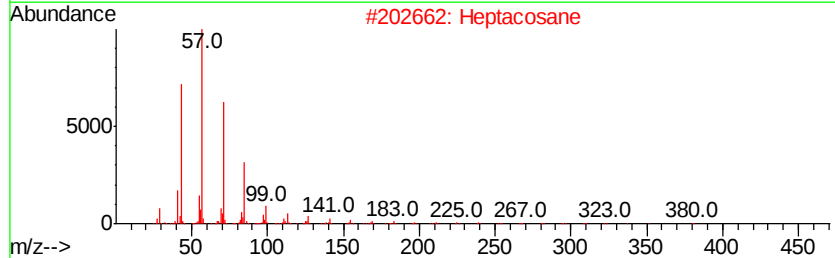
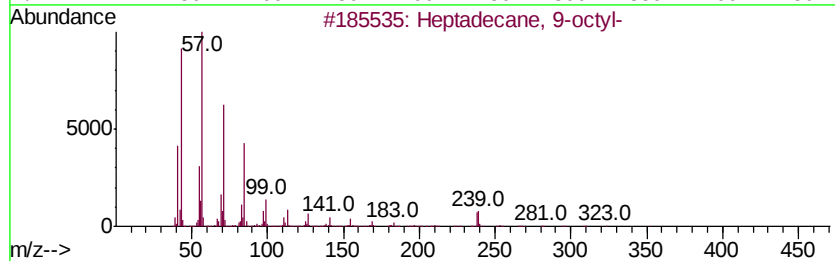
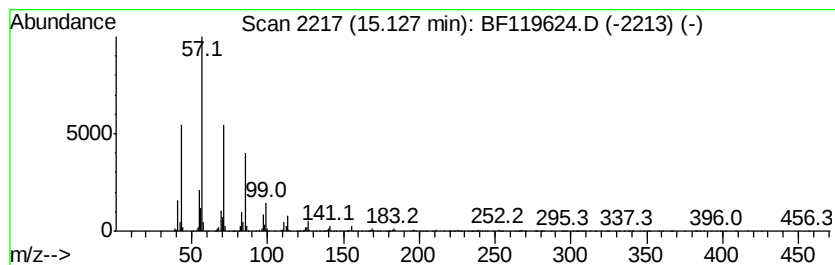
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Heptadecane, 9-octyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	19.03 ng	1296770	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
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		Hexacosane	366	C26H54	000630-01-3	90



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Acq On : 28 Mar 2020 18:37
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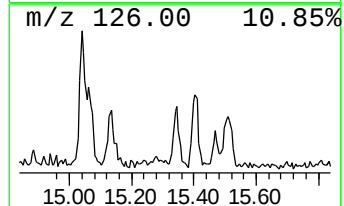
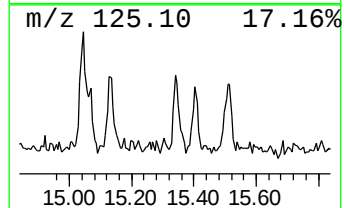
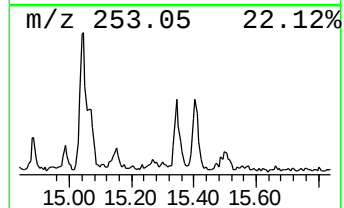
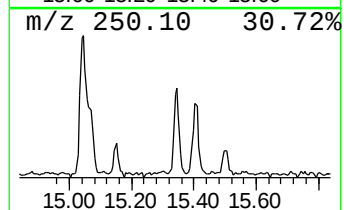
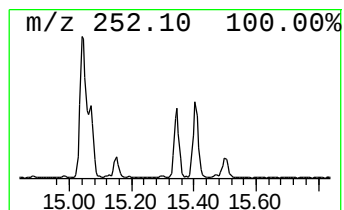
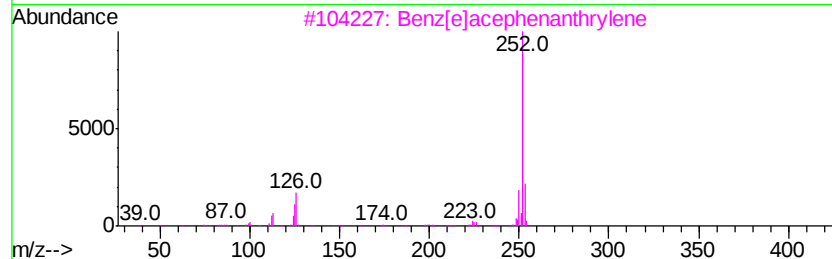
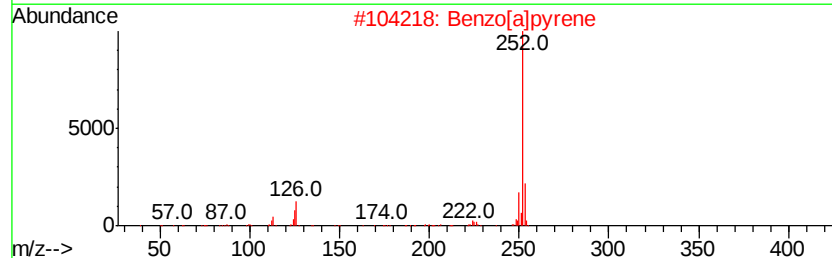
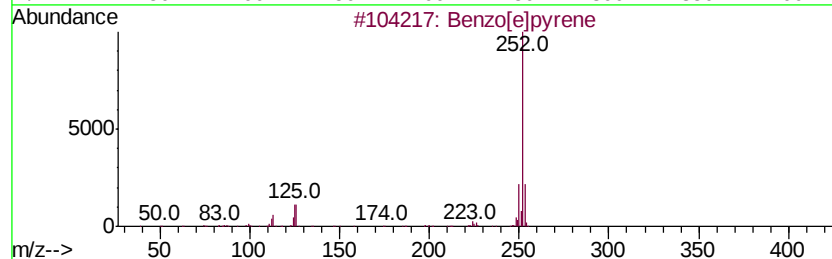
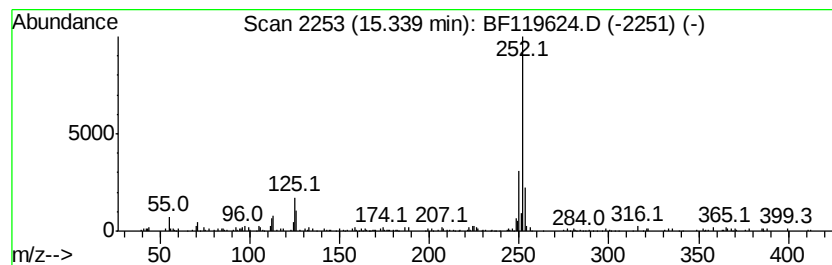
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	2.48 ng	168687	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[a]pyrene	252	C20H12	000050-32-8	94
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Perylene	252	C20H12	000198-55-0	89
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



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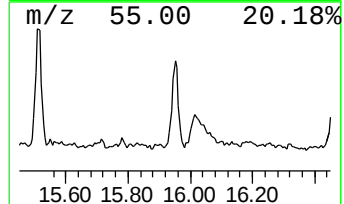
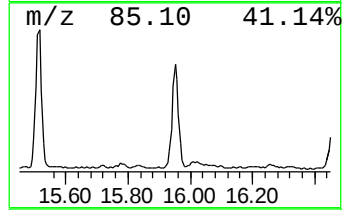
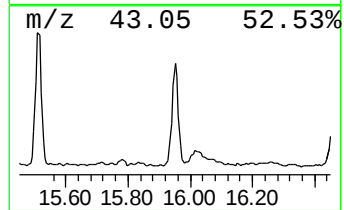
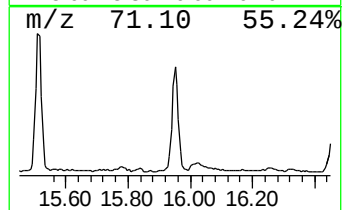
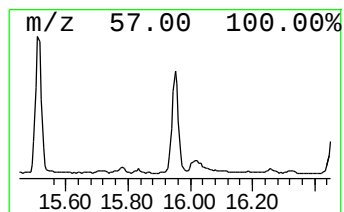
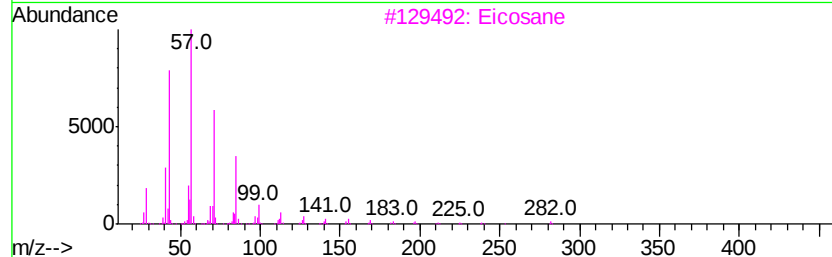
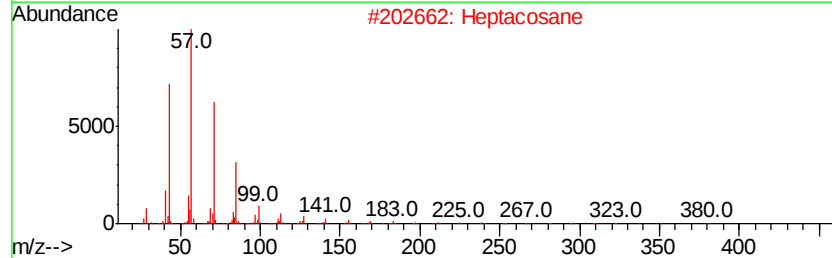
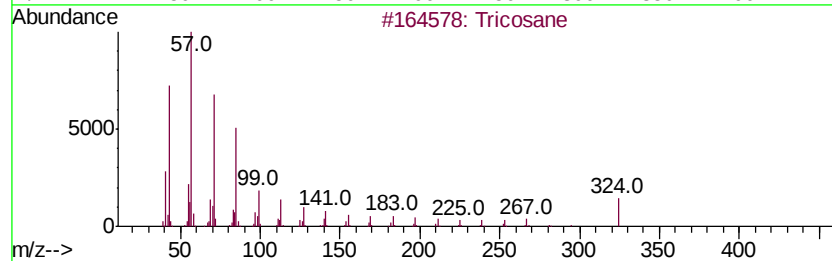
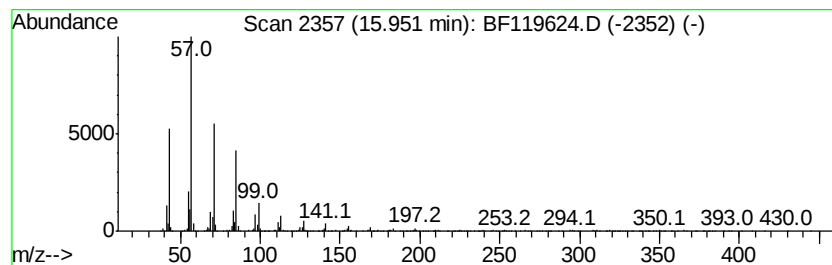
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Tricosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	15.03 ng	1024260	Perylene-d12	15.47

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane		324	C23H48	000638-67-5	93
2	Heptacosane		380	C27H56	000593-49-7	91
3	Eicosane		282	C20H42	000112-95-8	91
4	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	90
5	Heneicosane		296	C21H44	000629-94-7	90



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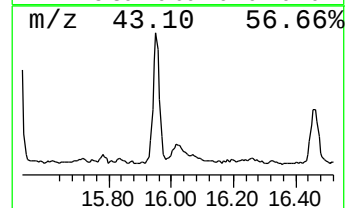
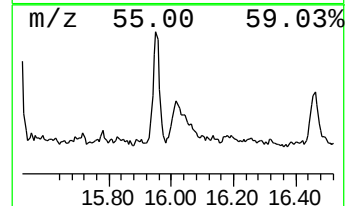
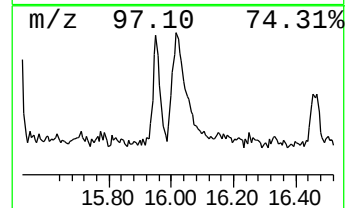
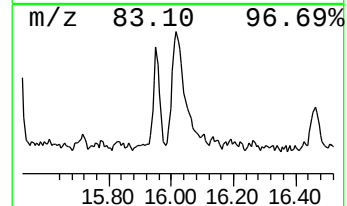
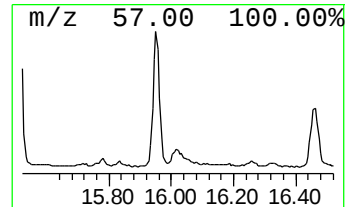
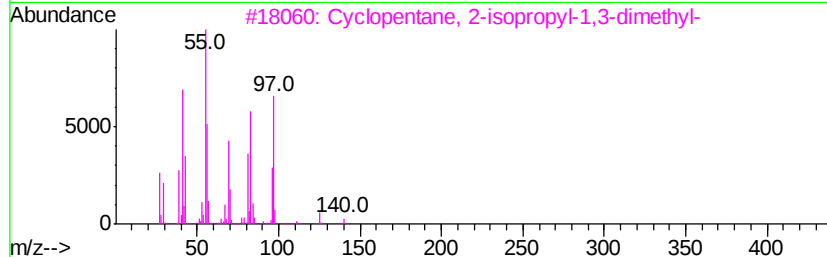
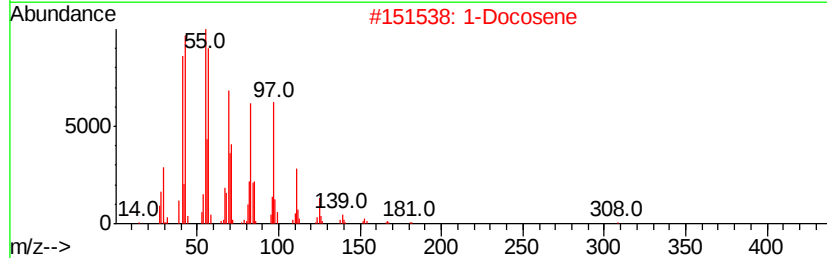
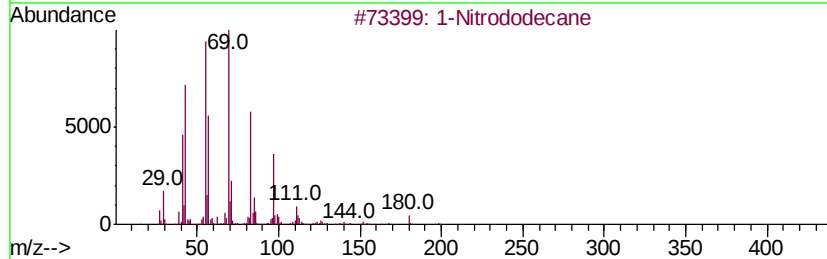
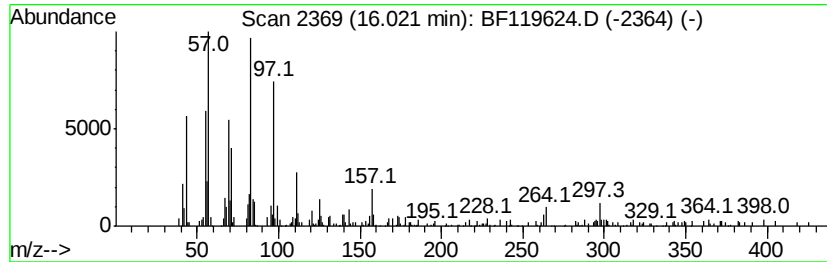
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1-Nitrododecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	6.12 ng	417159	Perylene-d12	15.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Nitrododecane	215	C12H25NO2	016891-99-9	59
2			1-Docosene	308	C22H44	001599-67-3	50
3			Cyclopentane, 2-isopropyl-1,3-dimethyl-	140	C10H20	032281-85-9	49
4			2,6,10,14-Tetramethyl-7-(3-methylbutyl)-octadecane	348	C25H48	1000370-41-6	30
5			Hexadecanoic acid, 2-hydroxy-, methyl ester	286	C17H34O3	016742-51-1	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119624.D
Acq On : 28 Mar 2020 18:37
Operator : CG/JU
Sample : L2040-10
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-346

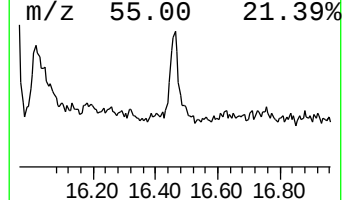
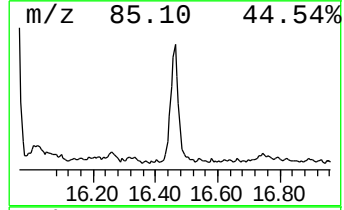
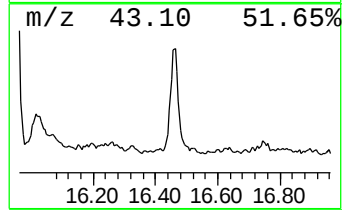
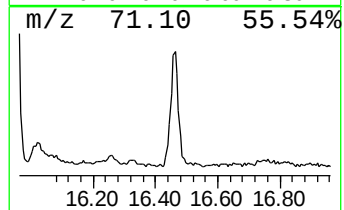
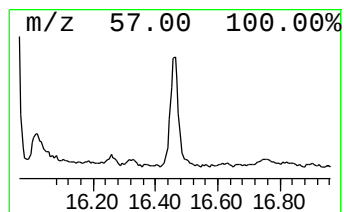
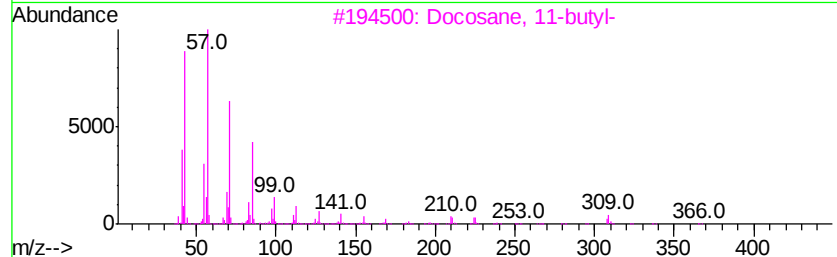
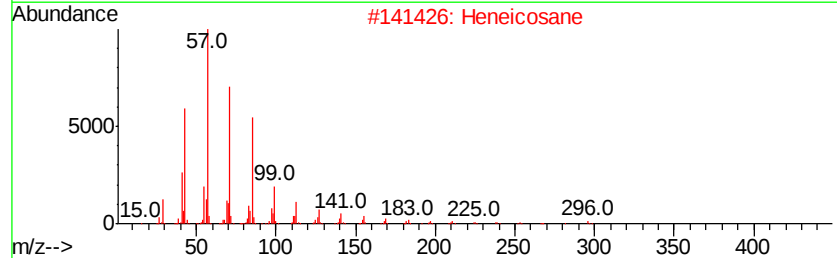
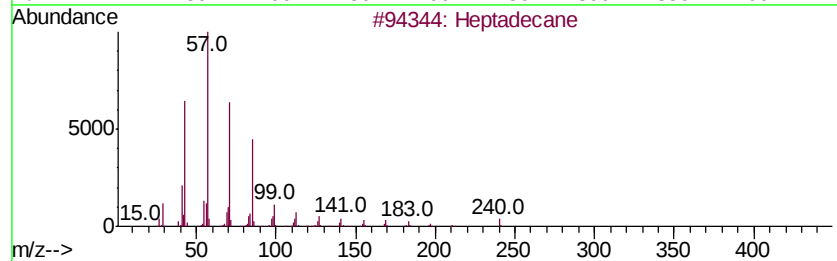
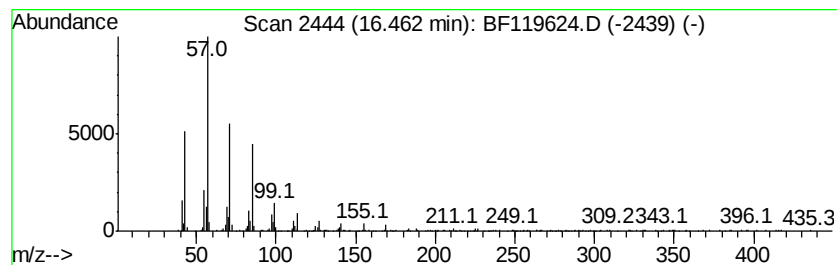
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	10.09 ng	687355	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	94
2		Heneicosane	296	C21H44	000629-94-7	87
3		Docosane, 11-butyl-	366	C26H54	013475-76-8	83
4		Hexacosane	366	C26H54	000630-01-3	83
5		Nonadecane	268	C19H40	000629-92-5	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119624.D
 Acq On : 28 Mar 2020 18:37
 Operator : CG/JU
 Sample : L2040-10
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-346

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...	5.04	13.4	ng	1164650	1	6.83	1732460	20.0
n-Hexadecanoic acid	11.89	15.6	ng	1358800	4	11.36	1743450	20.0
Octadecanoic acid	12.68	11.3	ng	985814	4	11.36	1743450	20.0
4a(2H)-Naphthalen...	13.47	4.3	ng	460954	5	14.00	2146780	20.0
1-Hexadecanesulfo...	13.86	10.1	ng	1085760	5	14.00	2146780	20.0
Hexacosane	14.17	5.6	ng	599458	5	14.00	2146780	20.0
Octadecane	14.48	8.3	ng	895008	5	14.00	2146780	20.0
Pentacosane	14.79	17.1	ng	1162690	6	15.47	1362900	20.0
Heptadecane, 9-oc...	15.13	19.0	ng	1296770	6	15.47	1362900	20.0
Benzo[e]pyrene	15.34	2.5	ng	168687	6	15.47	1362900	20.0
Tricosane	15.95	15.0	ng	1024260	6	15.47	1362900	20.0
1-Nitrododecane	16.02	6.1	ng	417159	6	15.47	1362900	20.0
Heptadecane	16.46	10.1	ng	687355	6	15.47	1362900	20.0