

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072920\
 Data File : BF121104.D
 Acq On : 29 Jul 2020 16:21
 Operator : JU/CG
 Sample : L3460-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-TOPSOIL-2020

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-BF071620.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	4.999	491	495	502	rVB	167346	205520	7.04%	0.845%
2	5.416	562	566	583	rVB	2144653	1943237	66.61%	7.990%
3	6.434	735	739	750	rBV	2014271	1973429	67.65%	8.114%
4	6.628	769	772	781	rBV	42137	52797	1.81%	0.217%
5	6.798	798	801	805	rBV	1067298	835083	28.63%	3.434%
6	7.363	892	897	900	rBV	1516021	1407797	48.26%	5.789%
7	8.081	1015	1019	1023	rBV	1312131	1086537	37.25%	4.468%
8	9.157	1198	1202	1205	rBV	3121147	2661458	91.23%	10.944%
9	9.551	1265	1269	1273	rBV	280840	228654	7.84%	0.940%
10	9.769	1300	1306	1313	rBV	79911	162869	5.58%	0.670%
11	9.834	1313	1317	1321	rVB	1521353	1301098	44.60%	5.350%
12	10.039	1343	1352	1359	rBV6	17452	34981	1.20%	0.144%
13	10.622	1447	1451	1454	rBV	1827965	1600592	54.87%	6.581%
14	11.316	1565	1569	1572	rBV	1435398	1369195	46.93%	5.630%
15	11.345	1572	1574	1577	rVB2	62092	65388	2.24%	0.269%
16	11.533	1603	1606	1613	rBV2	30671	39683	1.36%	0.163%
17	11.851	1656	1660	1670	rBV	483585	479412	16.43%	1.971%
18	11.928	1671	1673	1680	rVB2	24961	36667	1.26%	0.151%
19	12.292	1733	1735	1738	rBV	37735	34038	1.17%	0.140%
20	12.451	1757	1762	1767	rVB4	30848	45678	1.57%	0.188%
21	12.528	1772	1775	1778	rBV	155473	128792	4.41%	0.530%
22	12.633	1789	1793	1800	rBV	270337	289452	9.92%	1.190%
23	12.757	1807	1814	1817	rBV	137474	142403	4.88%	0.586%
24	12.904	1835	1839	1842	rBV	3116961	2917248	100.00%	11.995%
25	13.086	1867	1870	1874	rVB	28918	32768	1.12%	0.135%
26	13.192	1884	1888	1890	rBV2	24226	33821	1.16%	0.139%
27	13.810	1989	1993	2002	rVB2	164605	237592	8.14%	0.977%
28	13.951	2012	2017	2020	rBV	1197069	1295012	44.39%	5.325%
29	13.980	2020	2022	2024	rVB	67679	55441	1.90%	0.228%
30	14.122	2043	2046	2050	rBV	68668	63699	2.18%	0.262%
31	14.427	2095	2098	2101	rBV	166289	138226	4.74%	0.568%
32	14.727	2146	2149	2152	rBV	204667	218074	7.48%	0.897%
33	14.980	2189	2192	2195	rBV	81321	113836	3.90%	0.468%
34	15.057	2202	2205	2213	rVB	456037	512978	17.58%	2.109%

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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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35	15.333	2249	2252	2258	rVB	64978	76230	2.61%	0.313%
36	15.398	2258	2263	2266	rVV	842504	1040717	35.67%	4.279%
37	15.427	2266	2268	2274	rVB	251918	290501	9.96%	1.194%
38	15.851	2336	2340	2346	rVB	304225	413910	14.19%	1.702%
39	16.110	2381	2384	2394	rVB3	103806	184001	6.31%	0.757%
40	16.339	2419	2423	2428	rBV	76290	113957	3.91%	0.469%
41	17.933	2689	2694	2703	rVB9	80459	230745	7.91%	0.949%
42	18.315	2753	2759	2765	rVB3	98458	226422	7.76%	0.931%

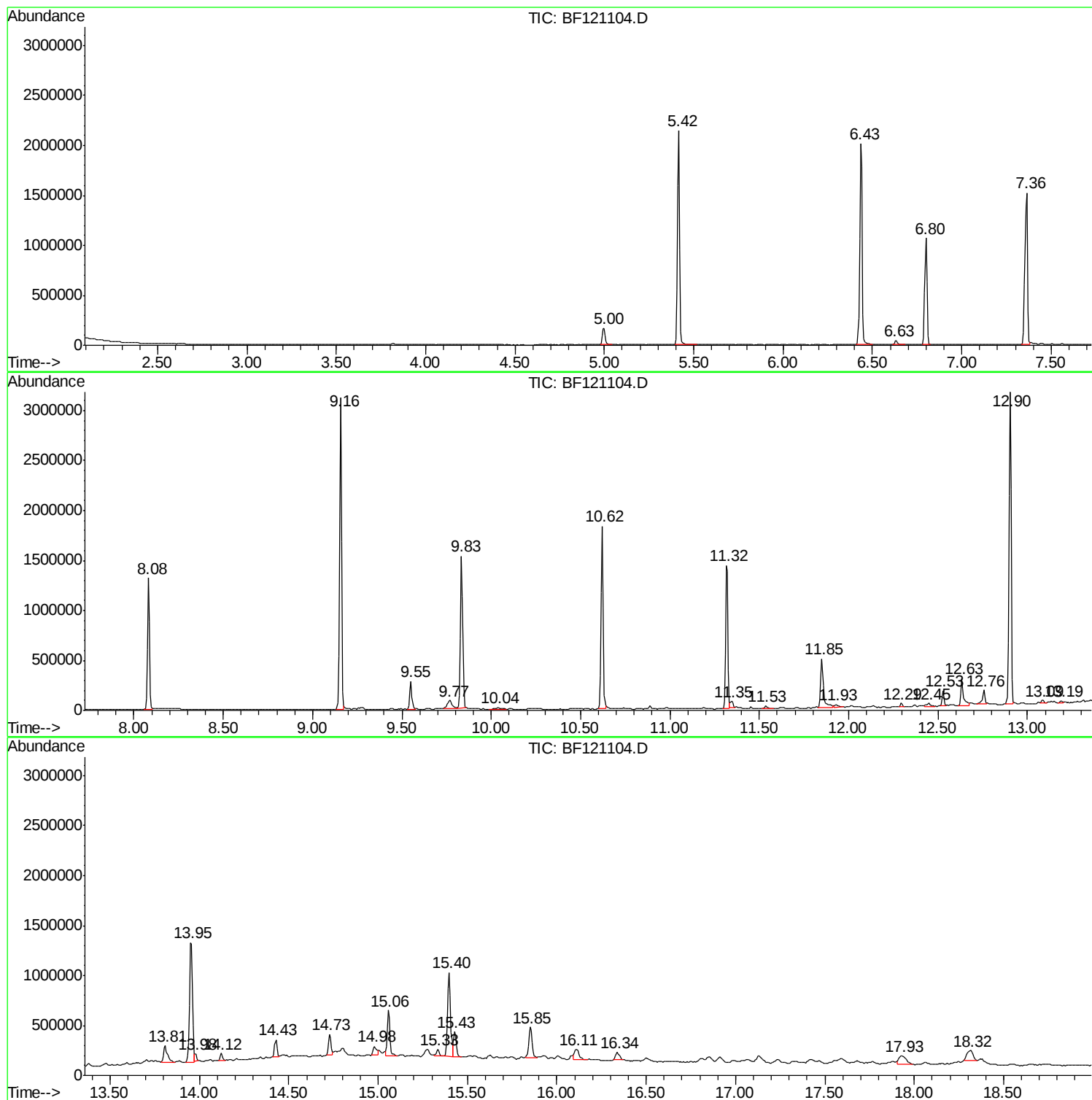
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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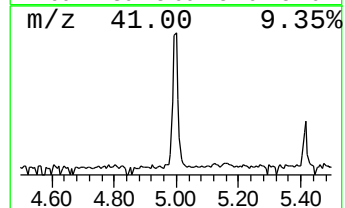
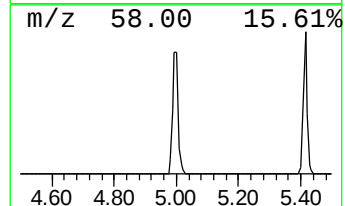
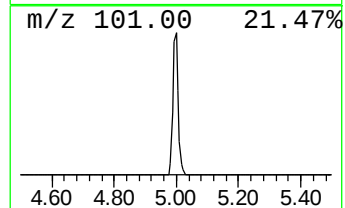
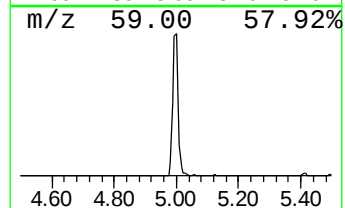
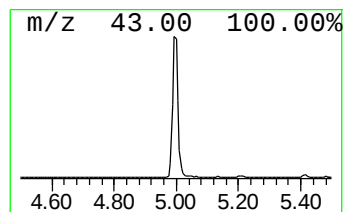
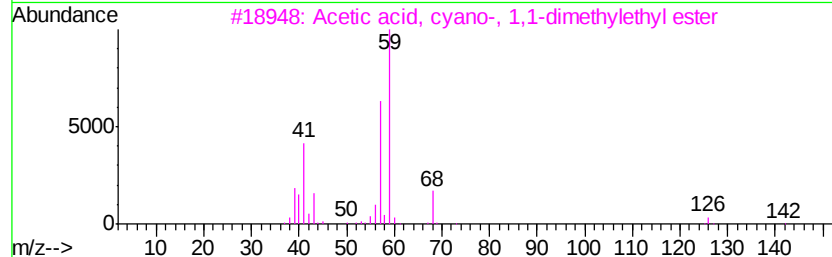
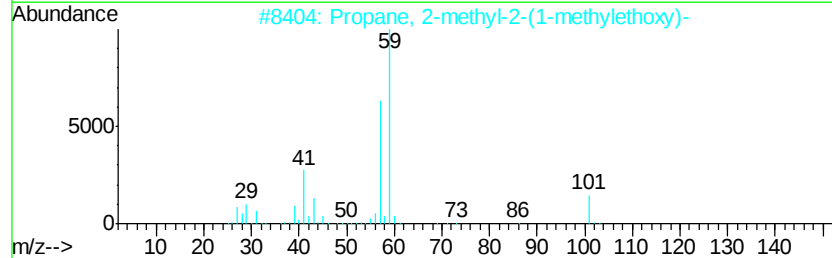
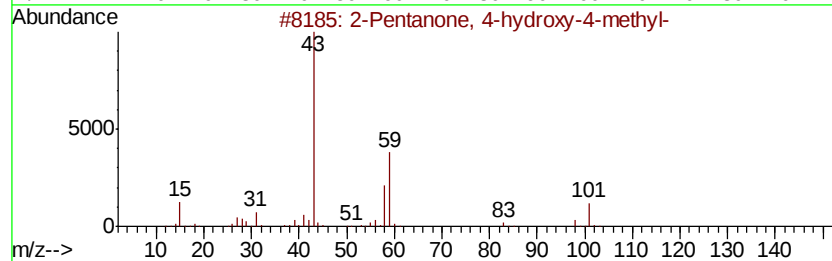
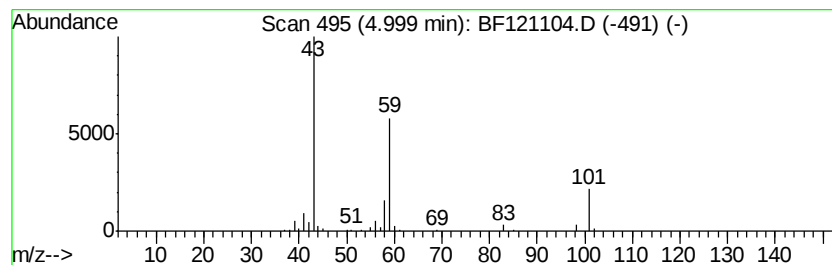
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	4.92 ng	205520	1,4-Dichlorobenzene-d4	6.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	23
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
4			5-Hexen-2-one	98	C6H10O	000109-49-9	9
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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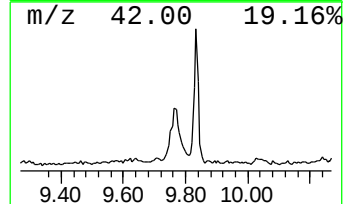
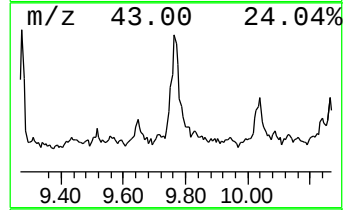
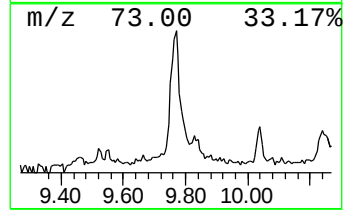
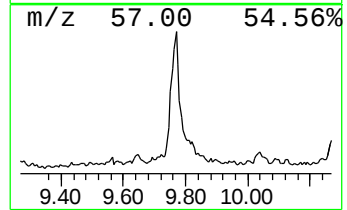
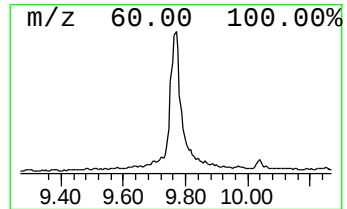
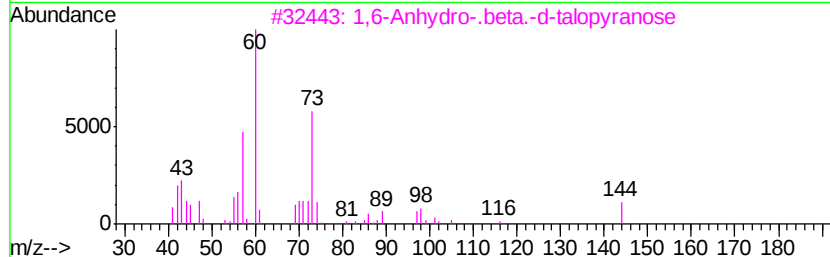
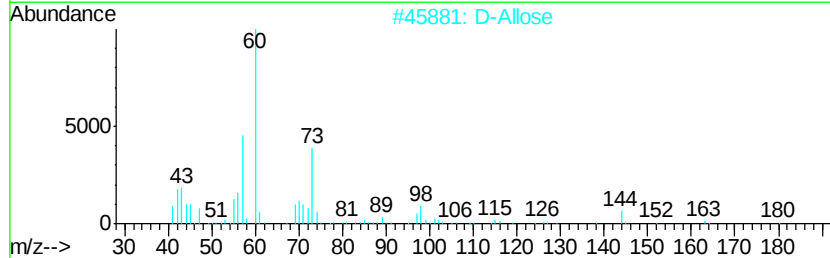
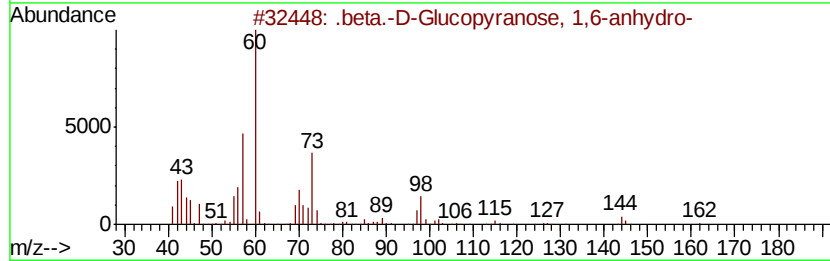
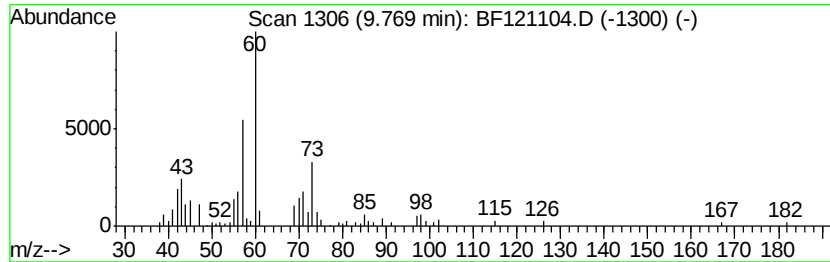
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 .beta.-D-Glucopyranose, 1,6... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.77	2.50 ng	162869	Acenaphthene-d10	9.83	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-D-Glucopyranose, 1,6-anhy...	162	C6H10O5	000498-07-7	78
2	D-Allose	180	C6H12O6	002595-97-3	64
3	1,6-Anhydro-.beta.-d-talopyranose	162	C6H10O5	1000133-05-8	64
4	Hexanoic acid	116	C6H12O2	000142-62-1	53
5	.beta.-Methyl xyloside	164	C6H12O5	1000130-04-0	50



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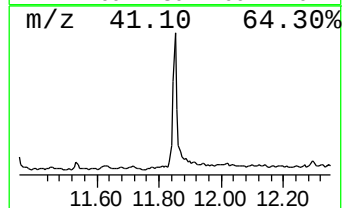
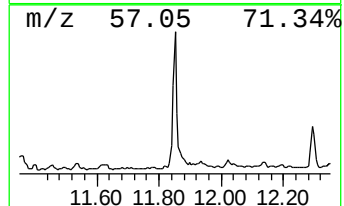
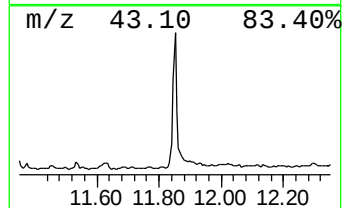
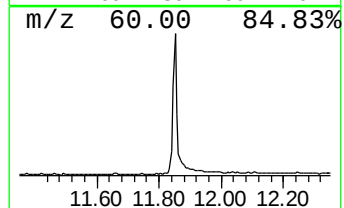
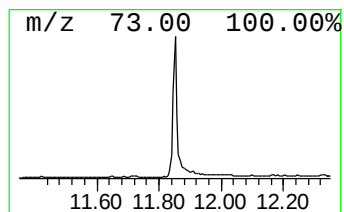
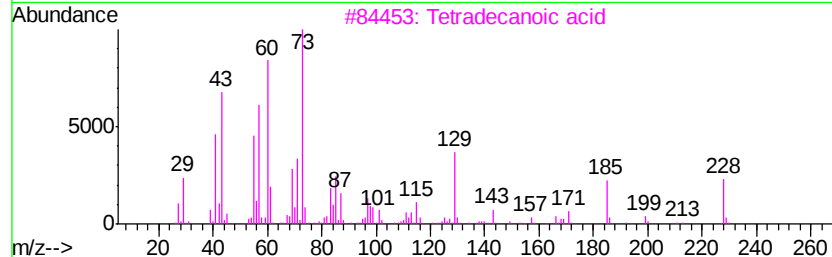
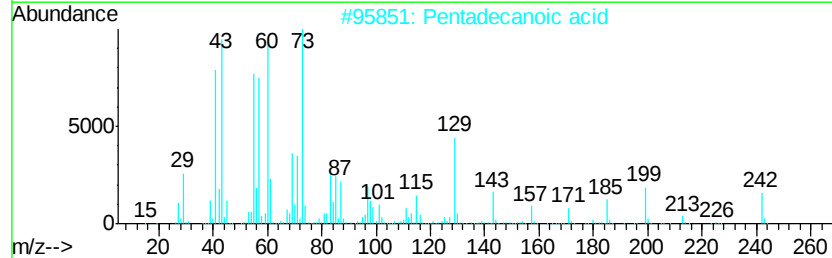
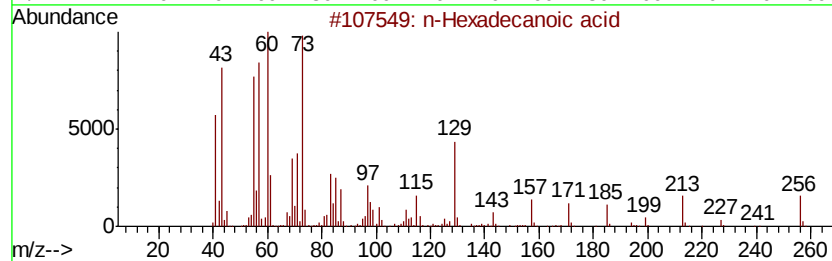
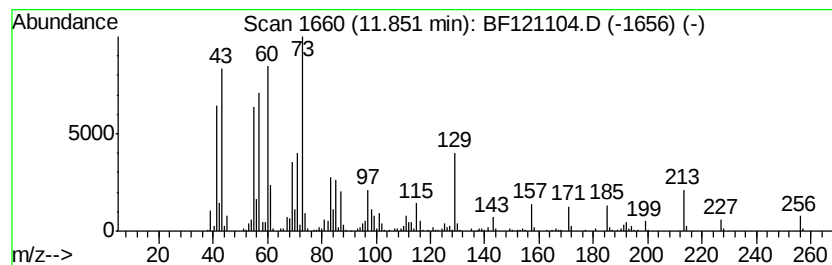
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.85	7.00 ng	479412	Phenanthrene-d10		11.32
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	n-Decanoic acid	172	C10H20O2	000334-48-5	68
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64



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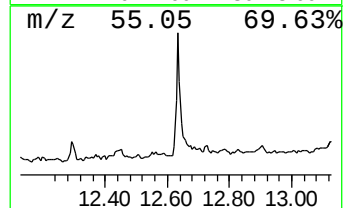
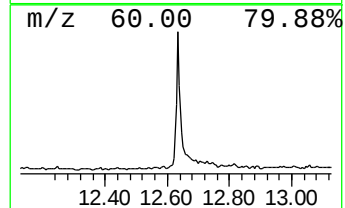
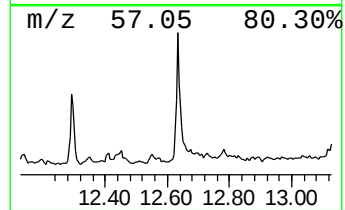
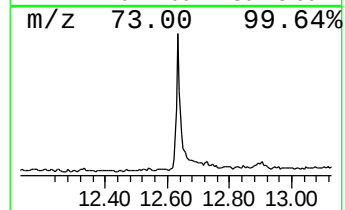
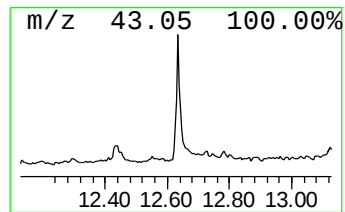
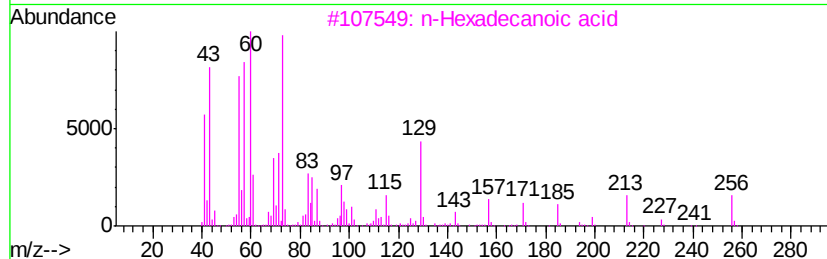
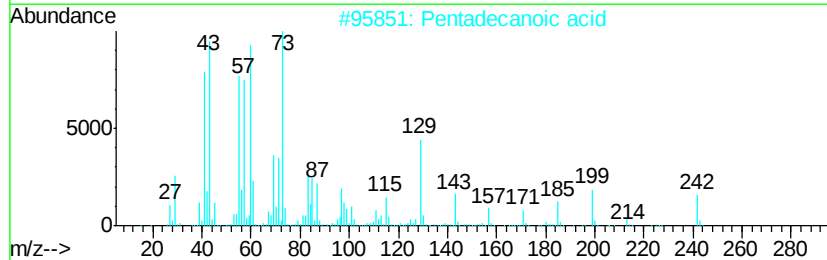
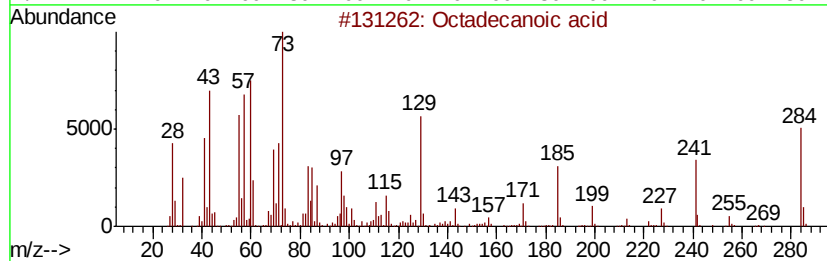
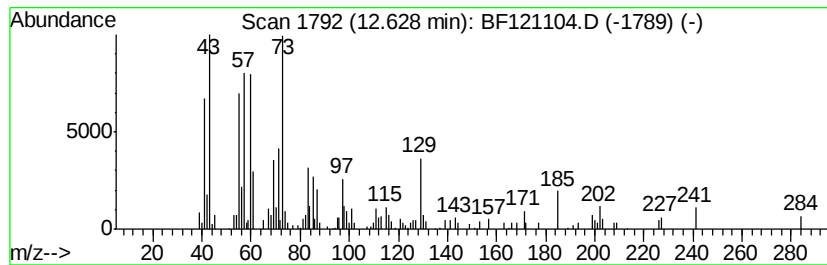
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.63	4.23 ng	289452	Phenanthrene-d10	11.32	
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	93
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68



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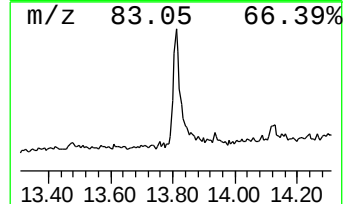
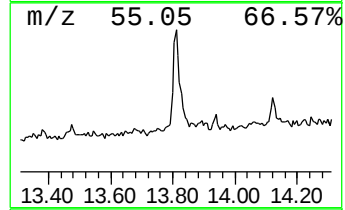
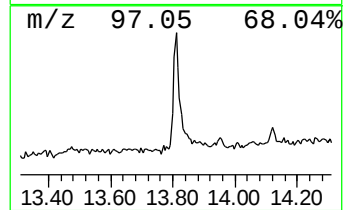
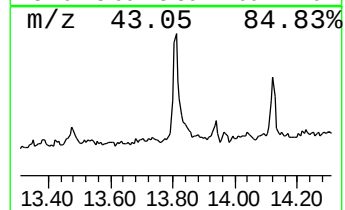
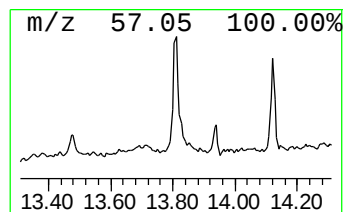
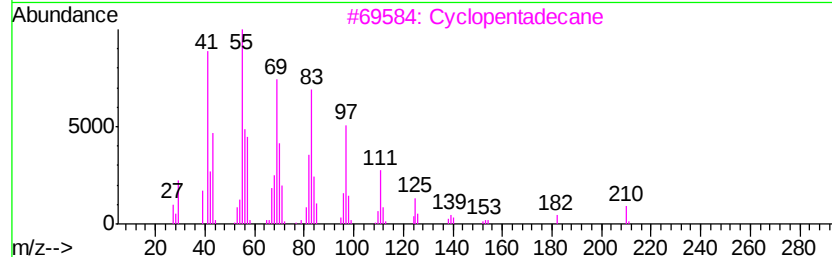
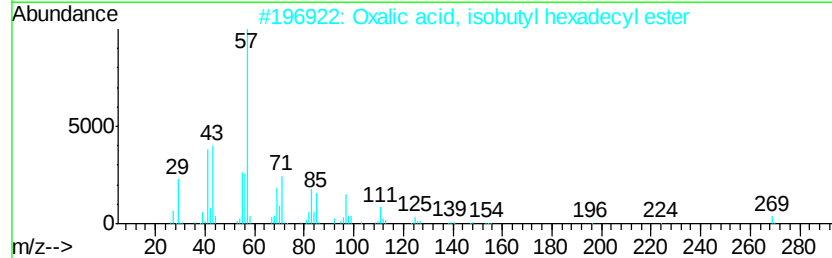
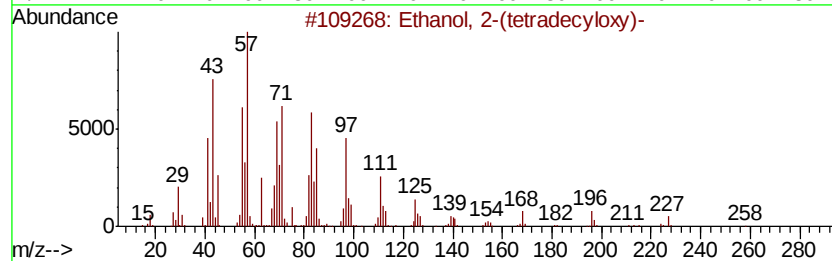
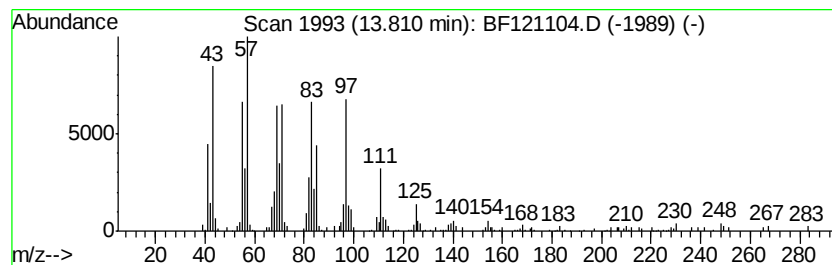
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Ethanol, 2-(tetradecyloxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.81	3.67 ng	237592	Chrysene-d12	13.96		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
2		Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	91
3		Cyclopentadecane	210	C15H30	000295-48-7	90
4		Triacetyl pentafluoropropionate	584	C33H61F5O2	1000351-80-0	87
5		Hexacosyl pentafluoropropionate	528	C29H53F5O2	1000351-81-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121104.D
 Acq On : 29 Jul 2020 16:21
 Operator : JU/CG
 Sample : L3460-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 CARLSTADT-TOPSOIL-2020

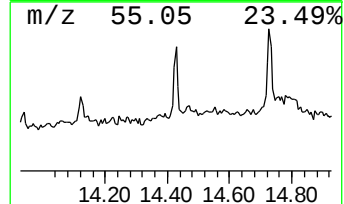
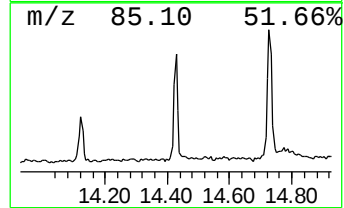
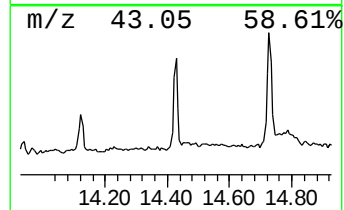
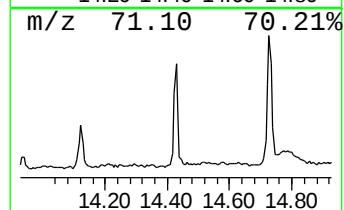
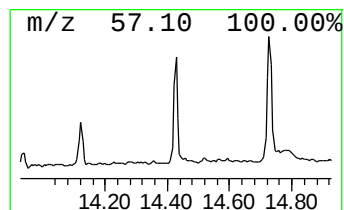
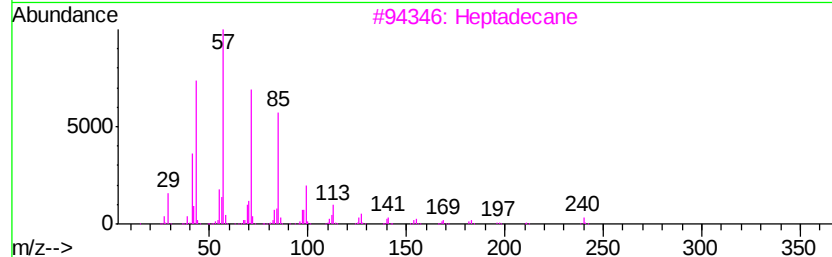
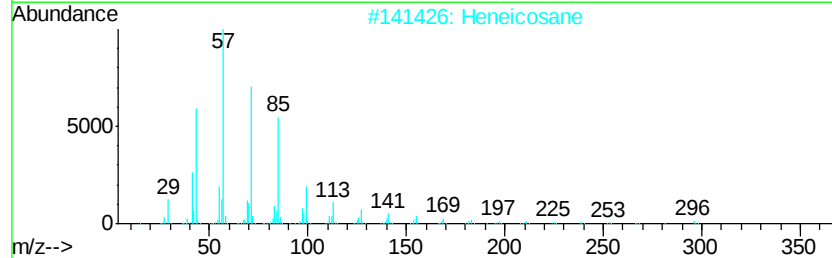
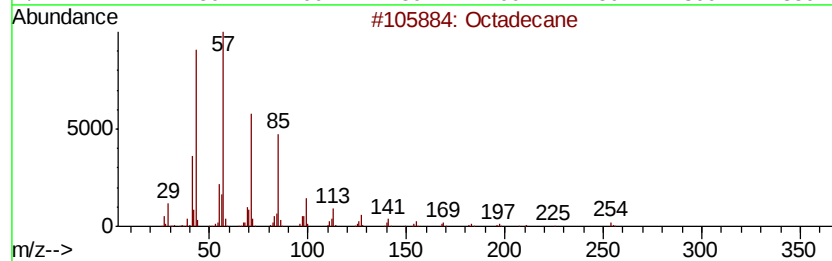
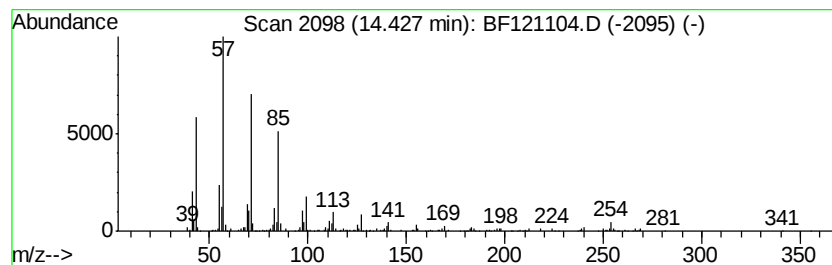
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 7 Octadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	2.13 ng	138226	Chrysene-d12	13.96

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane		254	C18H38	000593-45-3	94
2	Heneicosane		296	C21H44	000629-94-7	90
3	Heptadecane		240	C17H36	000629-78-7	90
4	Octacosane		394	C28H58	000630-02-4	90
5	7-Methyl-octadecane		268	C19H40	1000192-63-3	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121104.D
Acq On : 29 Jul 2020 16:21
Operator : JU/CG
Sample : L3460-01
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CARLSTADT-TOPSOIL-2020

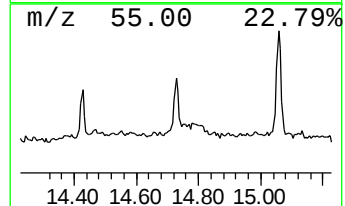
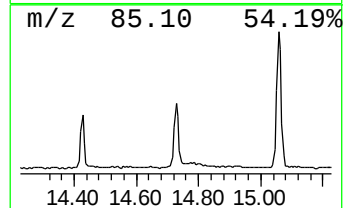
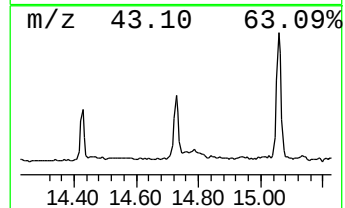
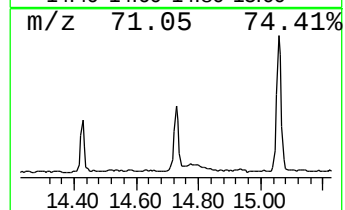
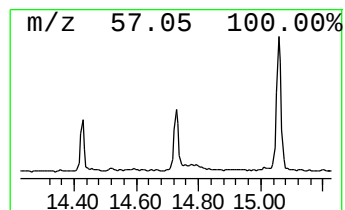
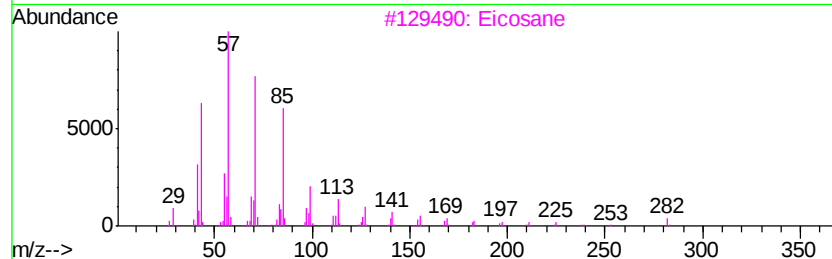
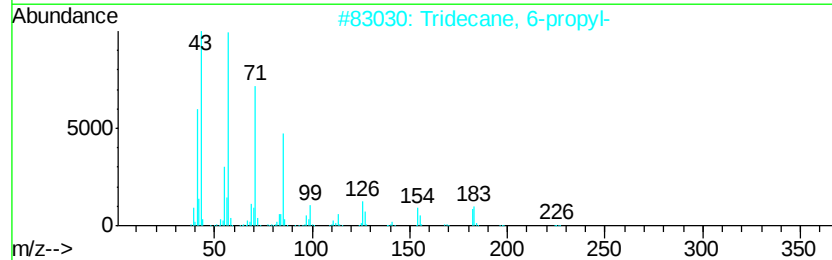
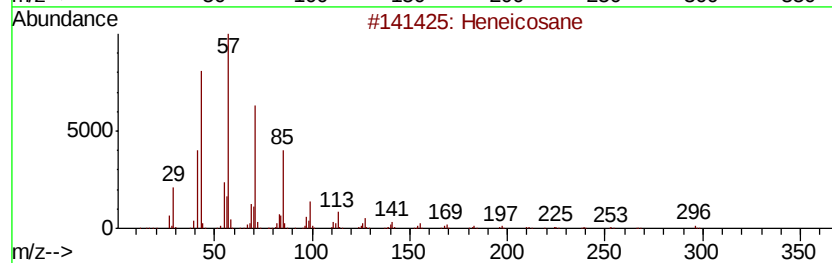
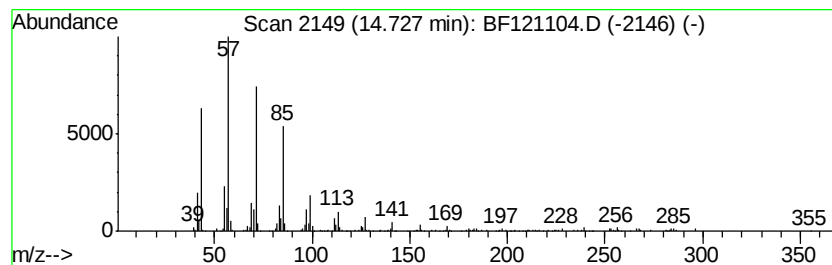
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tridecane, 6-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	4.19 ng	218074	Perylene-d12	15.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	95
2		Tridecane, 6-propyl-	226	C16H34	055045-10-8	94
3		Eicosane	282	C20H42	000112-95-8	94
4		Octadecane, 2-methyl-	268	C19H40	001560-88-9	90
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
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Sample : L3460-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

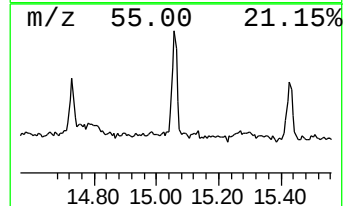
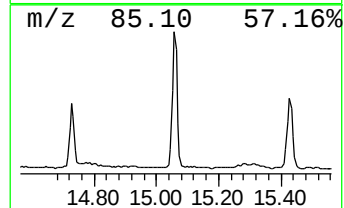
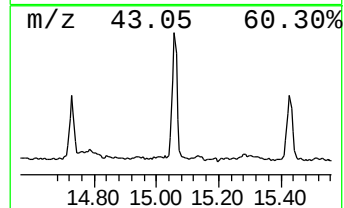
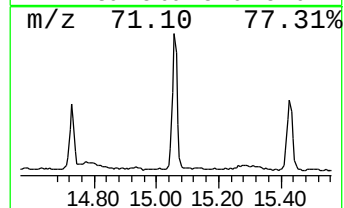
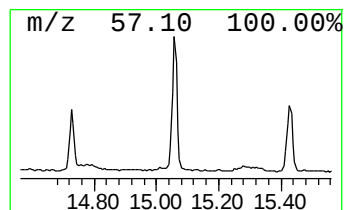
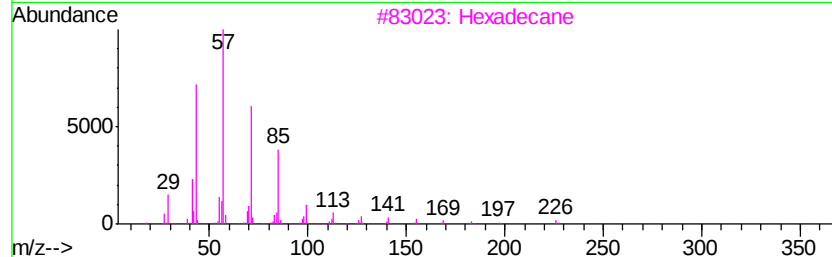
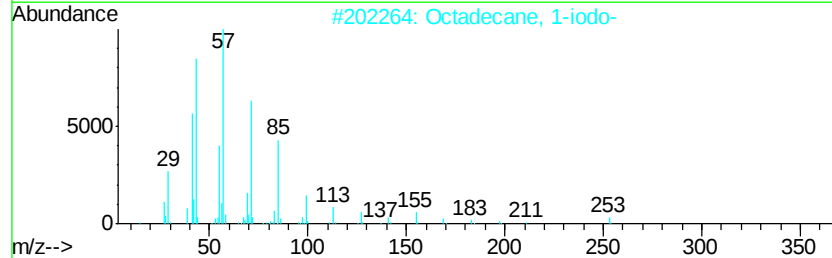
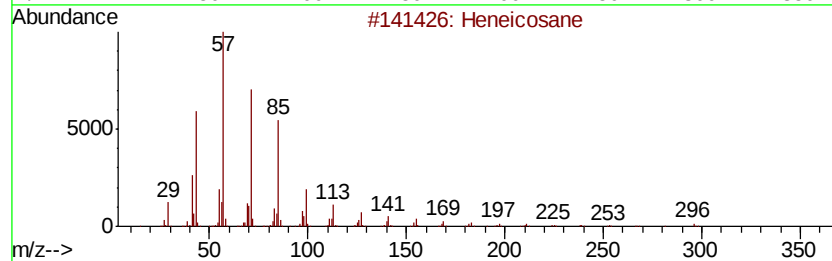
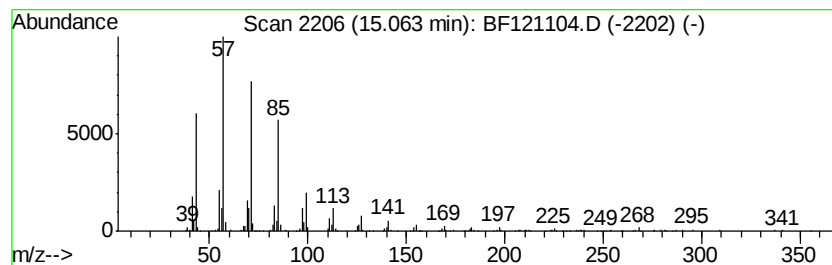
Instrument :
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ClientSampleId :
CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octadecane, 1-iodo- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.06	9.86 ng	512978	Perylene-d12		15.40
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	87
3	Hexadecane	226	C16H34	000544-76-3	87
4	Octadecane	254	C18H38	000593-45-3	86
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121104.D
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Sample : L3460-01
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ALS Vial : 4 Sample Multiplier: 1

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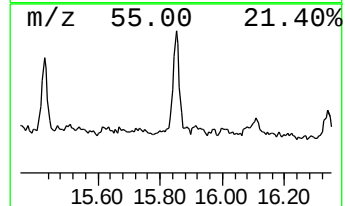
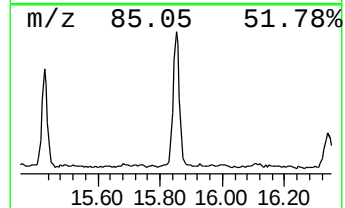
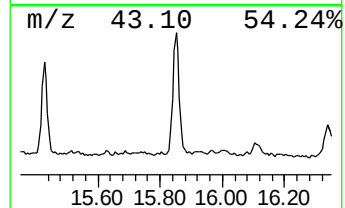
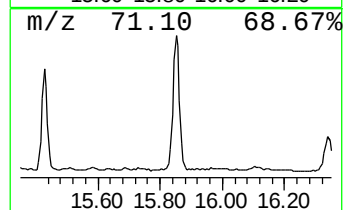
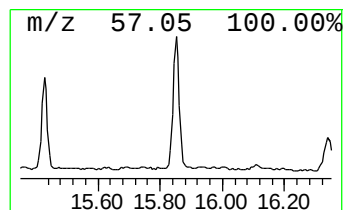
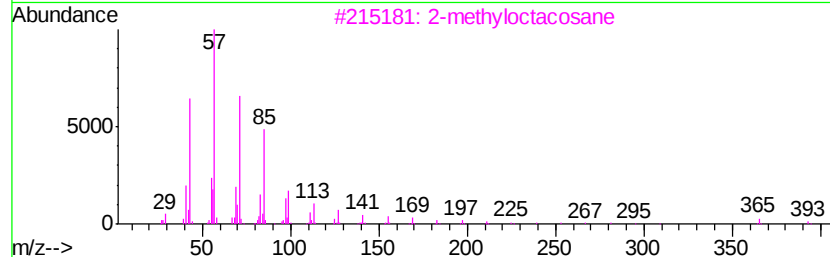
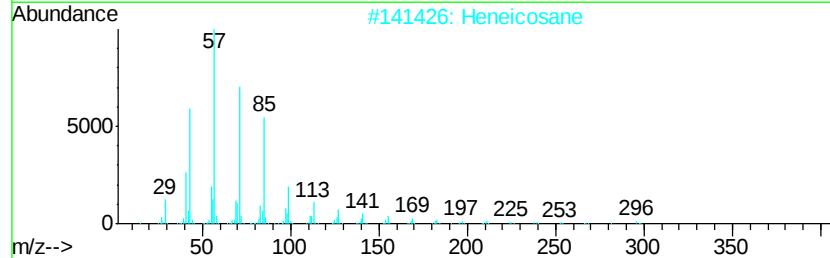
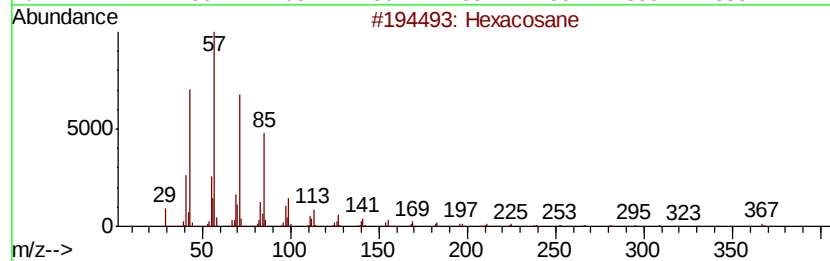
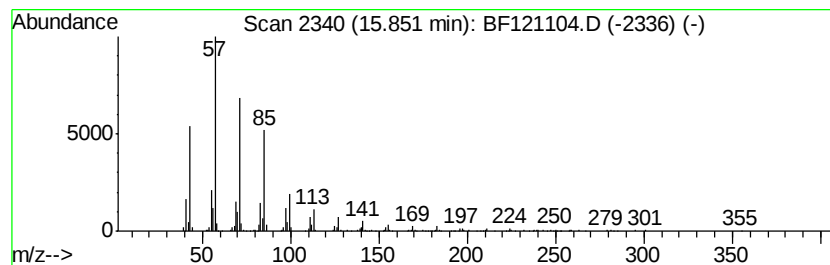
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Hexacosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	7.95 ng	413910	Perylene-d12	15.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	91
2		Heneicosane	296	C21H44	000629-94-7	91
3		2-methyloctacosane	408	C29H60	1000376-72-8	91
4		Heneicosane, 11-decyl-	437	C31H64	055320-06-4	91
5		Heptacosane	380	C27H56	000593-49-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121104.D
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Instrument :
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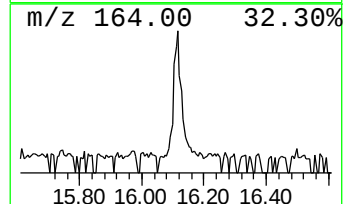
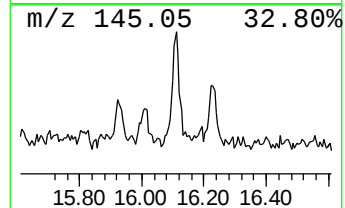
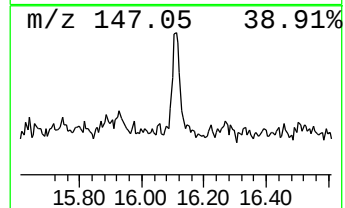
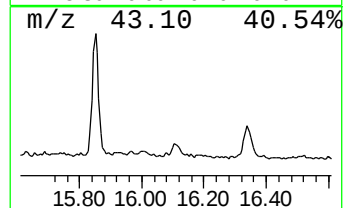
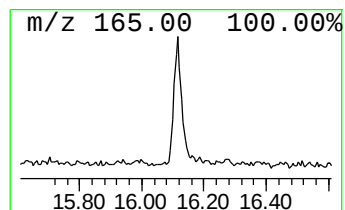
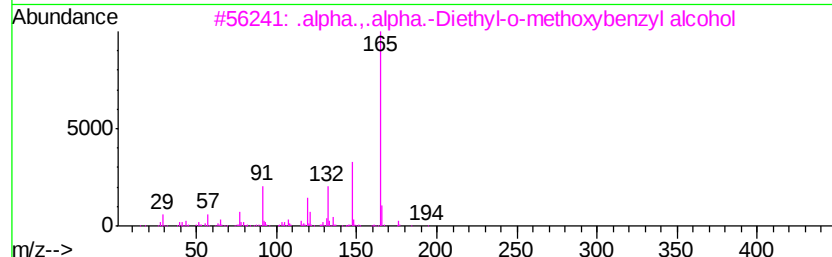
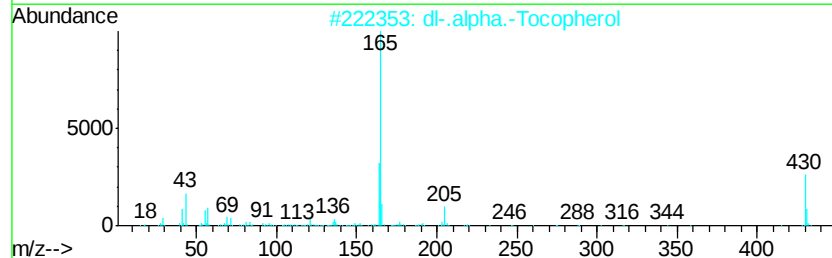
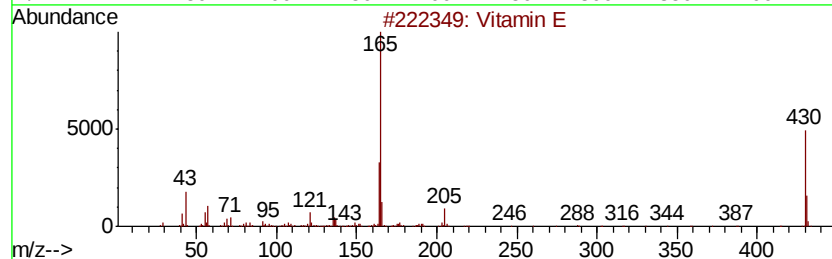
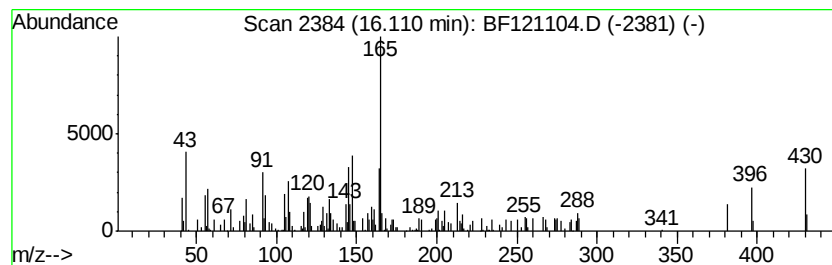
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 11 unknown16.11 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	3.54 ng	184001	Perylene-d12	15.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Vitamin E	430	C29H50O2	000059-02-9	45
2			dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	43
3			.alpha.,.alpha.-Diethyl-o-methox...	194	C12H18O2	053847-40-8	38
4			1,3-Benzodioxole-5-carboxaldehd...	165	C8H7NO3	002089-36-3	38
5			1-(m-Dimethylaminophenyl)ethanol	165	C10H15NO	005339-01-5	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
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Misc :
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ClientSampleId :
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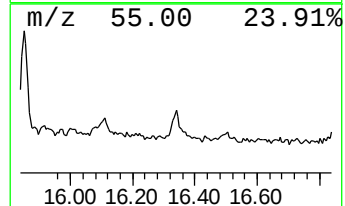
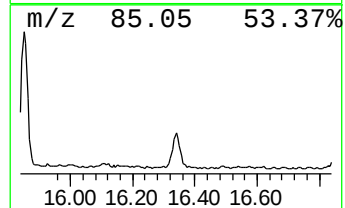
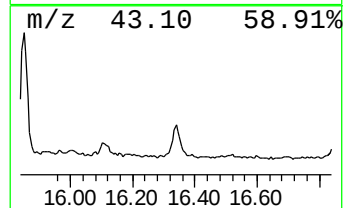
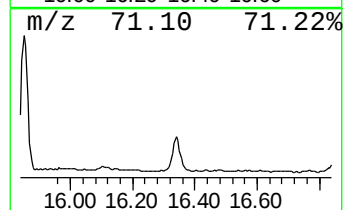
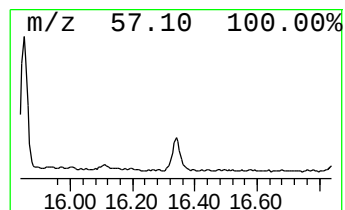
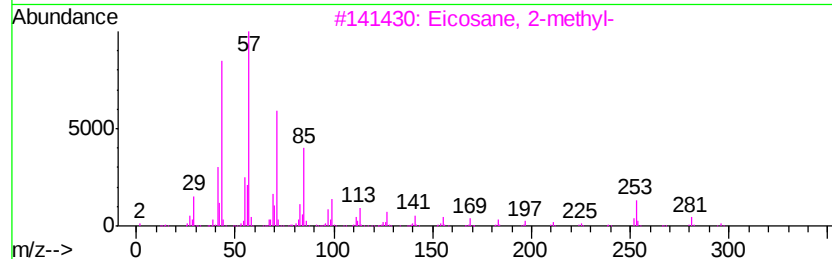
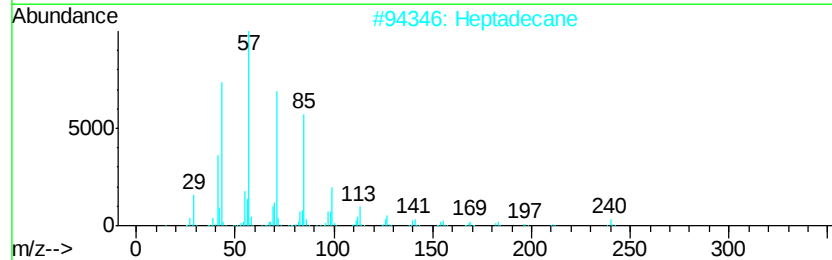
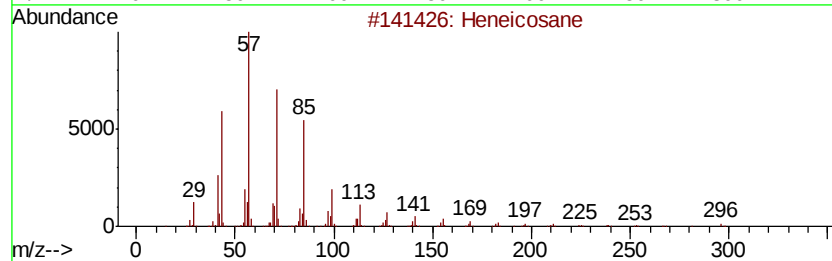
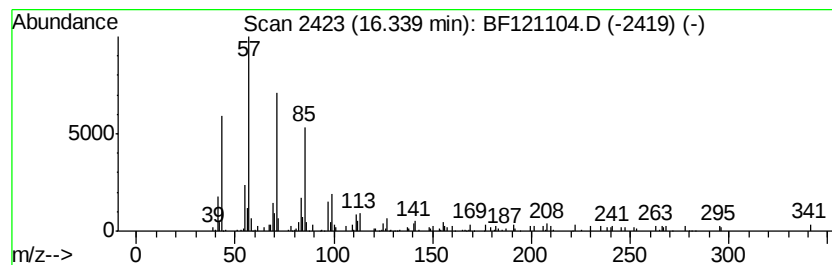
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Heneicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	2.19 ng	113957	Perylene-d12	15.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	97
2		Heptadecane	240	C17H36	000629-78-7	91
3		Eicosane, 2-methyl-	296	C21H44	001560-84-5	90
4		Tetracosane, 11-decyl-	479	C34H70	055429-84-0	86
5		6,6-Diethylhoctadecane	310	C22H46	1000360-41-8	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CARLSTADT-TOPSOIL-2020

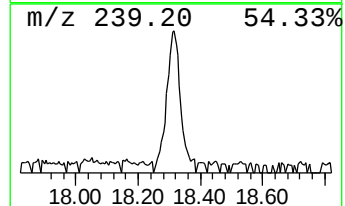
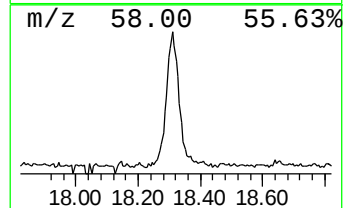
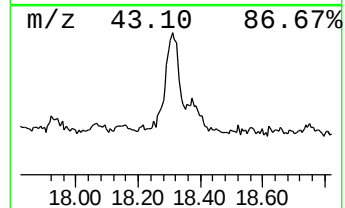
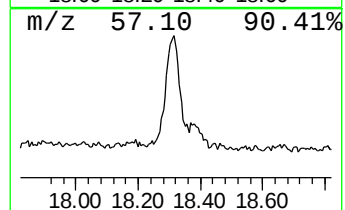
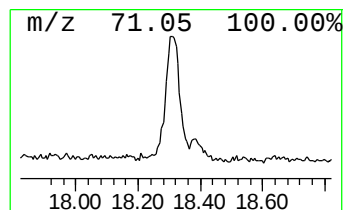
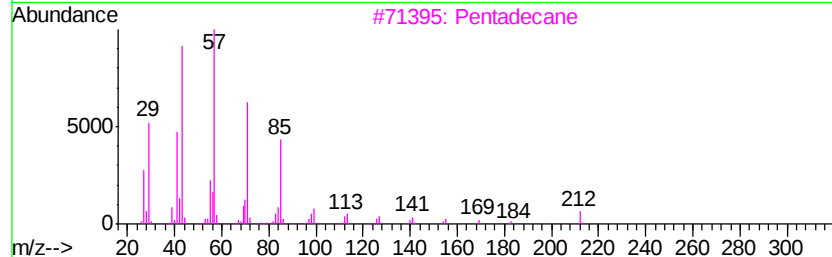
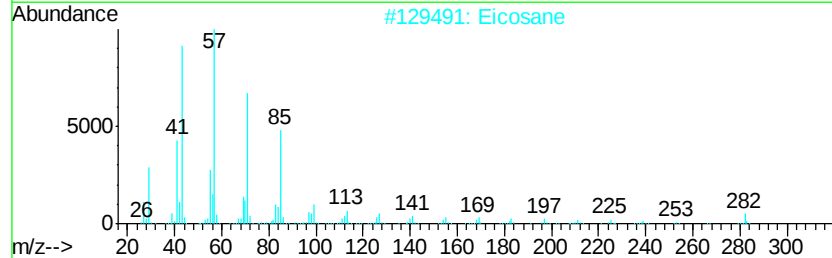
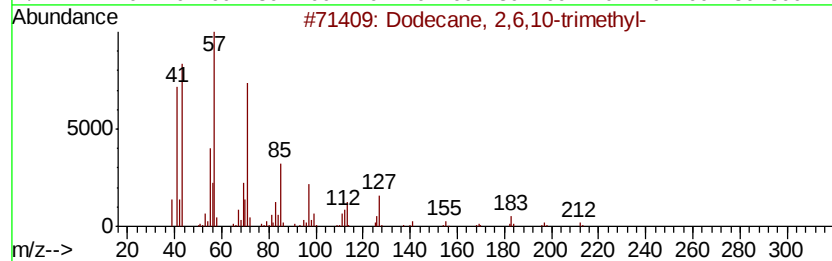
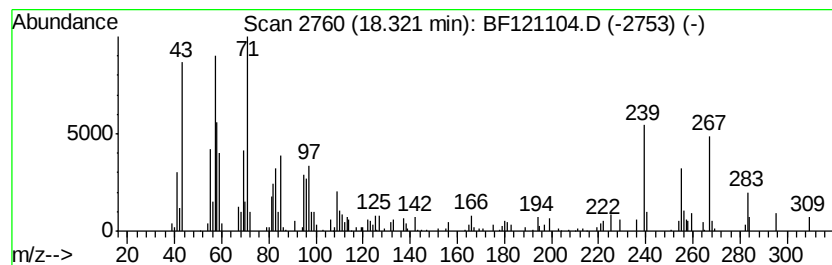
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown18.32 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	4.35 ng	226422	Perylene-d12	15.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	30
2		Eicosane	282	C20H42	000112-95-8	25
3		Pentadecane	212	C15H32	000629-62-9	25
4		Nonadecane	268	C19H40	000629-92-5	25
5		2-Hexadecanone	240	C16H32O	018787-63-8	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072920\
 Data File : BF121104.D
 Acq On : 29 Jul 2020 16:21
 Operator : JU/CG
 Sample : L3460-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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...	5.00	4.9 ng		205520	1	6.80	835083	20.0
.beta.-D-Glucopyr...	9.77	2.5 ng		162869	3	9.83	1301100	20.0
n-Hexadecanoic acid	11.85	7.0 ng		479412	4	11.32	1369200	20.0
Octadecanoic acid	12.63	4.2 ng		289452	4	11.32	1369200	20.0
Ethanol, 2-(tetra...	13.81	3.7 ng		237592	5	13.96	1295010	20.0
Octadecane	14.43	2.1 ng		138226	5	13.96	1295010	20.0
Tridecane, 6-propyl-	14.73	4.2 ng		218074	6	15.40	1040720	20.0
Octadecane, 1-iodo-	15.06	9.9 ng		512978	6	15.40	1040720	20.0
Hexacosane	15.85	8.0 ng		413910	6	15.40	1040720	20.0
unknown16.11	16.11	3.5 ng		184001	6	15.40	1040720	20.0
Heneicosane	16.34	2.2 ng		113957	6	15.40	1040720	20.0
5-Bromo-4-oxo-4,5...	17.93	4.4 ng		230745	6	15.40	1040720	20.0
unknown18.32	18.32	4.3 ng		226422	6	15.40	1040720	20.0