

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
 Data File : BF114018.D
 Acq On : 29 Apr 2019 12:20
 Operator : JU/SJ
 Sample : K2571-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTON

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-BF042219.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	2.205	17	20	46	rVB2	95359	277678	9.24%	0.882%
2	5.516	578	583	602	rBV	2103846	2131051	70.88%	6.766%
3	6.522	748	754	763	rBV	2255387	2274663	75.65%	7.222%
4	6.663	773	778	781	rBV	2623366	2345994	78.03%	7.448%
5	6.893	813	817	821	rBV	878311	684346	22.76%	2.173%
6	7.051	840	844	847	rBV	2300637	1916984	63.76%	6.086%
7	7.451	907	912	915	rBV	1512401	1413063	47.00%	4.486%
8	8.175	1031	1035	1038	rBV	942737	858386	28.55%	2.725%
9	8.610	1105	1109	1126	rBV	66722	125555	4.18%	0.399%
10	9.245	1212	1217	1220	rBV	3604472	3006718	100.00%	9.546%
11	9.633	1280	1283	1288	rBV	308152	270309	8.99%	0.858%
12	9.922	1328	1332	1337	rBV	1214026	1099815	36.58%	3.492%
13	10.181	1374	1376	1379	rBV3	40061	46742	1.55%	0.148%
14	10.339	1400	1403	1408	rBV3	84060	124259	4.13%	0.394%
15	10.710	1462	1466	1470	rBV	1667700	1516037	50.42%	4.813%
16	11.310	1565	1568	1573	rVB	302998	296082	9.85%	0.940%
17	11.410	1582	1585	1588	rBV	1235420	1034703	34.41%	3.285%
18	11.945	1670	1676	1685	rVB	1594173	2447002	81.38%	7.769%
19	12.733	1803	1810	1816	rBV	1822202	2734369	90.94%	8.681%
20	12.992	1850	1854	1858	rVB	2976220	2784555	92.61%	8.840%
21	14.057	2031	2035	2038	rBV	942559	892870	29.70%	2.835%
22	14.227	2062	2064	2067	rBV	48934	44241	1.47%	0.140%
23	14.551	2116	2119	2124	rVB	116699	112301	3.74%	0.357%
24	14.845	2166	2169	2171	rBV	44560	53454	1.78%	0.170%
25	14.868	2171	2173	2183	rVB	194979	213186	7.09%	0.677%
26	14.951	2183	2187	2191	rVB	77550	78533	2.61%	0.249%
27	15.133	2214	2218	2221	rBV	64005	98412	3.27%	0.312%
28	15.215	2228	2232	2240	rVB	245810	284487	9.46%	0.903%
29	15.439	2267	2270	2276	rVB	39464	56915	1.89%	0.181%
30	15.498	2277	2280	2285	rVV	38739	51165	1.70%	0.162%
31	15.568	2287	2292	2295	rVV	663670	857703	28.53%	2.723%
32	15.604	2295	2298	2308	rVB	252940	334337	11.12%	1.061%
33	16.051	2368	2374	2381	rBV	210137	309229	10.28%	0.982%
34	16.562	2457	2461	2467	rVB	106661	185904	6.18%	0.590%

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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

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Peak separation: 5

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35	17.051	2540	2544	2548	rBV2	19724	40915	1.36%	0.130%
36	17.174	2559	2565	2570	rVB2	43202	85366	2.84%	0.271%
37	17.498	2616	2620	2625	rVB3	18524	35022	1.16%	0.111%
38	18.645	2805	2815	2823	rBV3	118993	376082	12.51%	1.194%

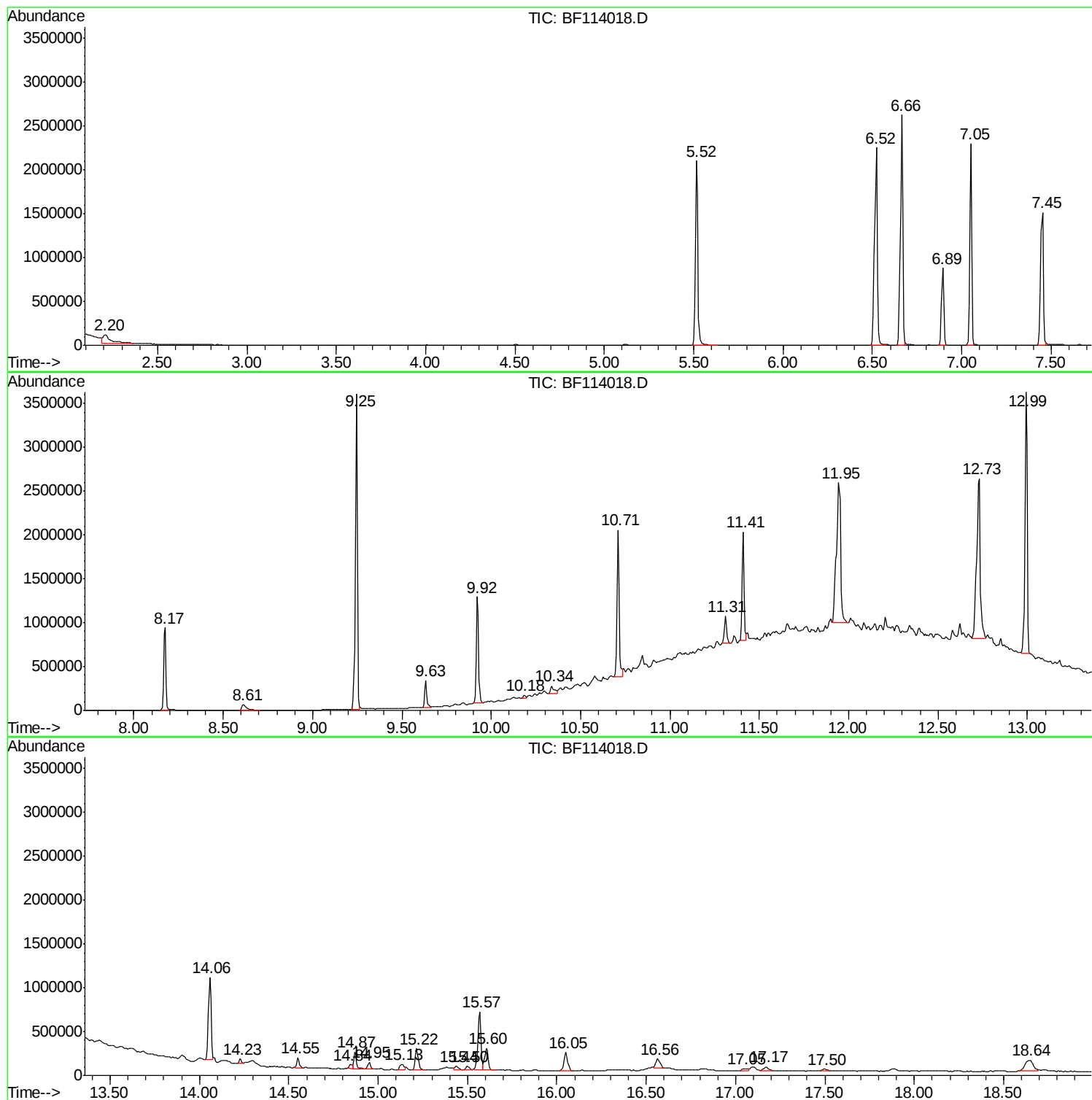
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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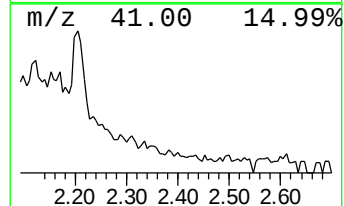
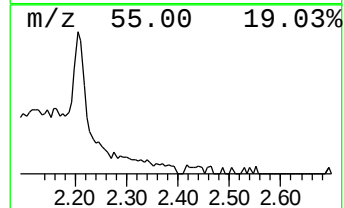
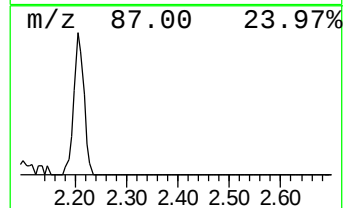
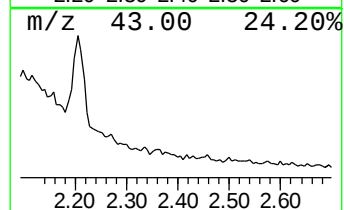
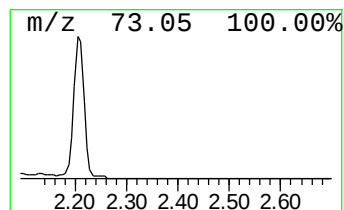
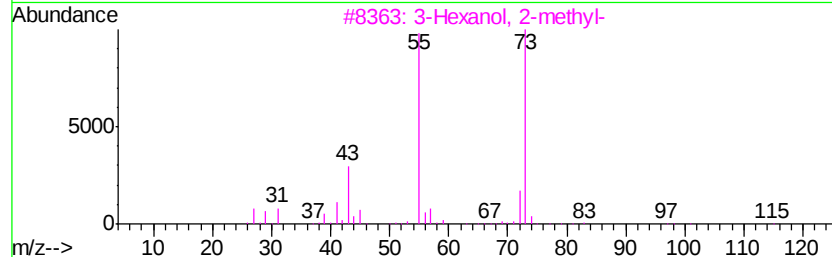
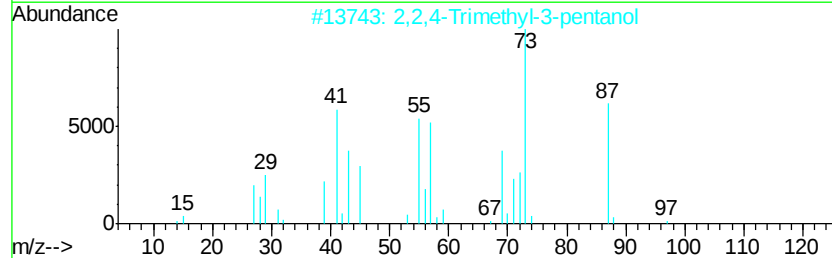
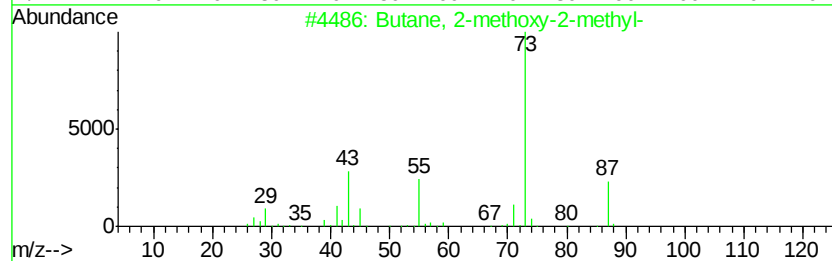
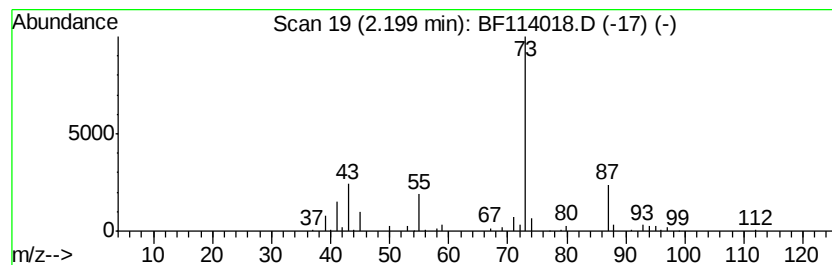
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.20	8.12 ng	277678	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
3		3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	23
4		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5		N-Ethylformamide	73	C3H7NO	000627-45-2	9



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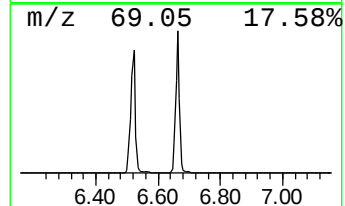
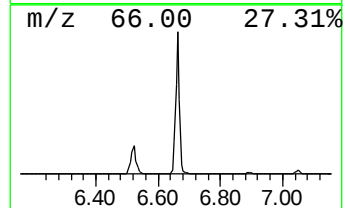
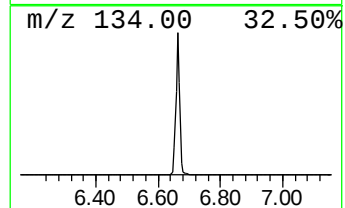
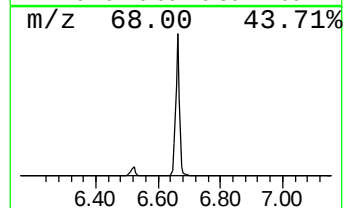
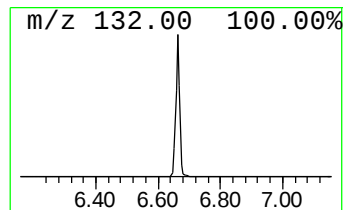
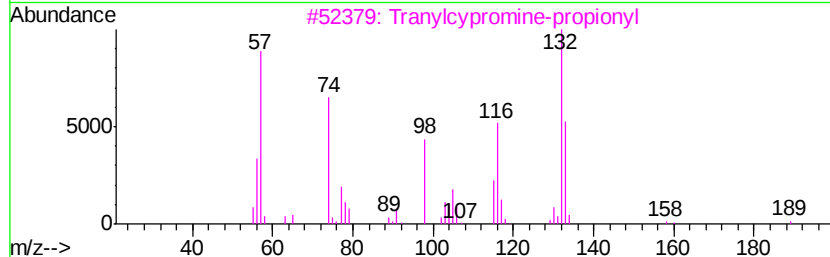
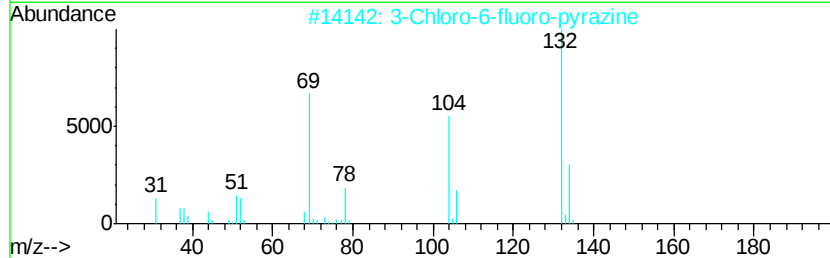
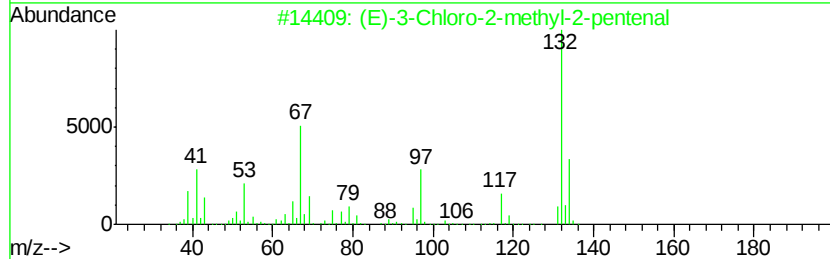
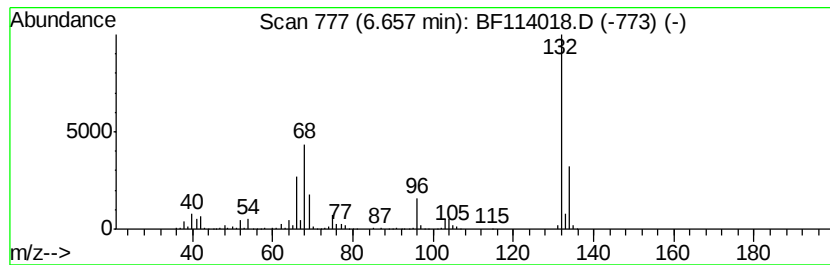
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	68.56 ng	2345990	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		Xenon	132	Xe	007440-63-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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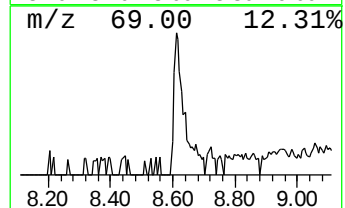
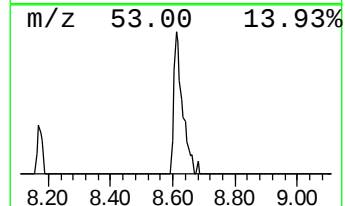
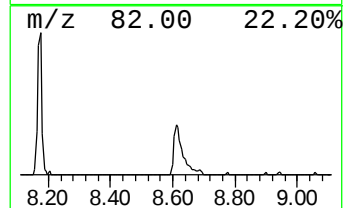
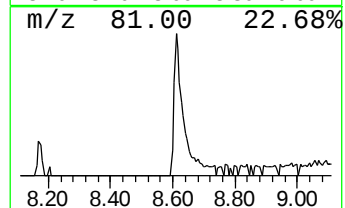
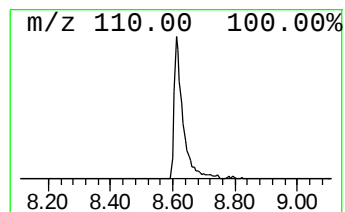
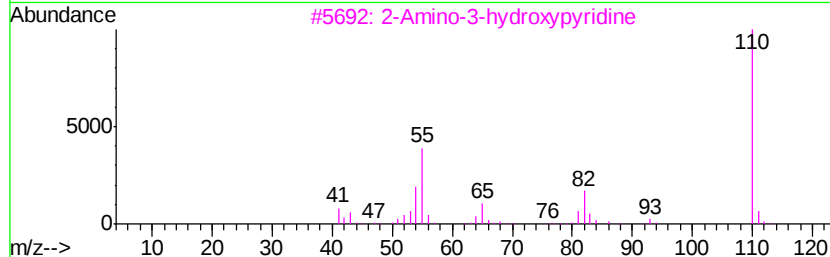
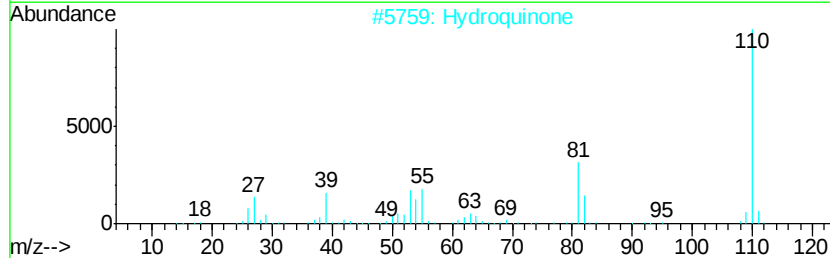
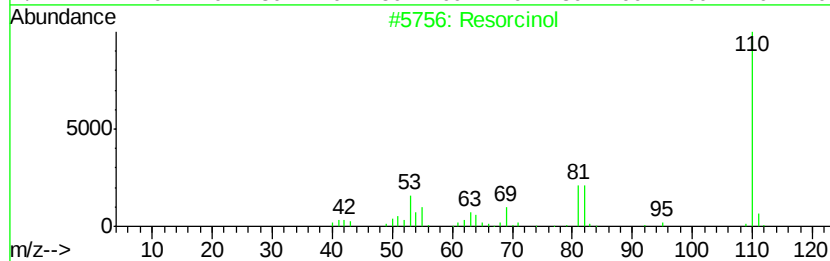
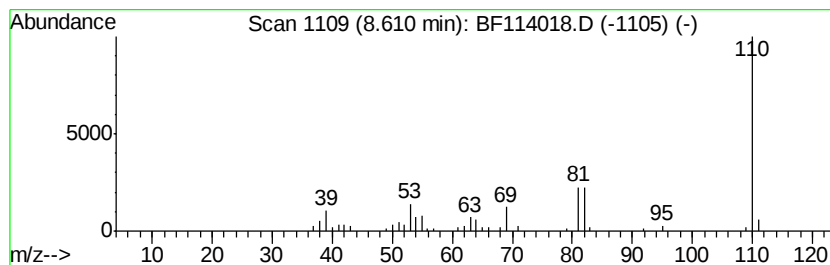
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Resorcinol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	2.93 ng	125555	Napthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Resorcinol	110	C6H6O2	000108-46-3	97
2		Hydroquinone	110	C6H6O2	000123-31-9	74
3		2-Amino-3-hydroxypyridine	110	C5H6N2O	016867-03-1	64
4		2(1H)-Pyridinone, 3-amino-	110	C5H6N2O	033630-99-8	59
5		4(1H)-Pyrimidinone, 6-methyl-	110	C5H6N2O	003524-87-6	59



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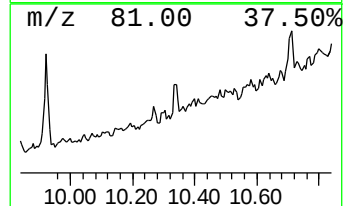
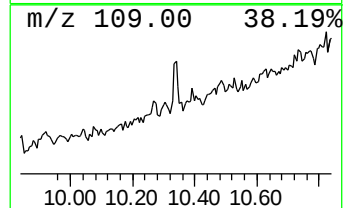
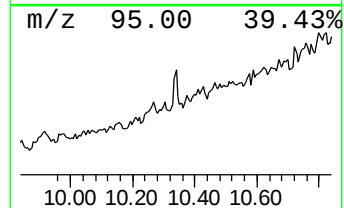
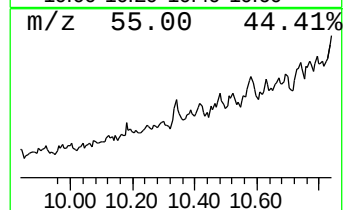
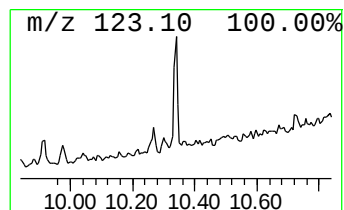
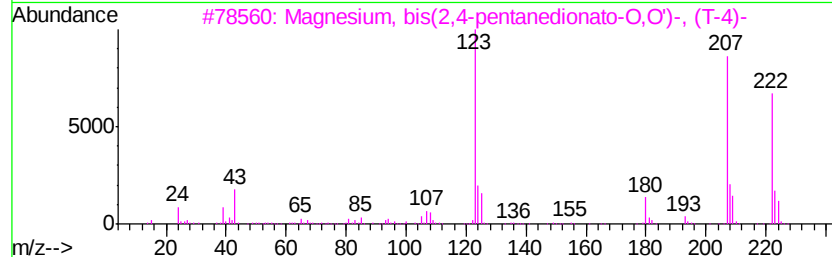
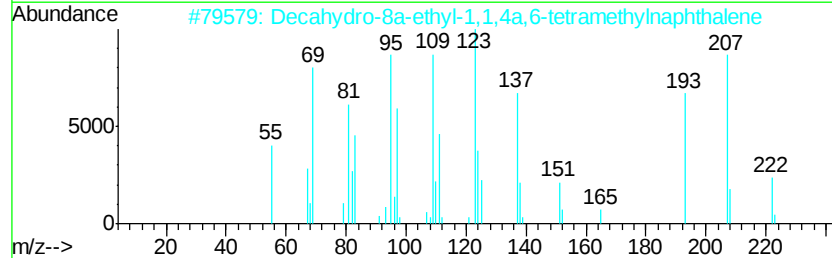
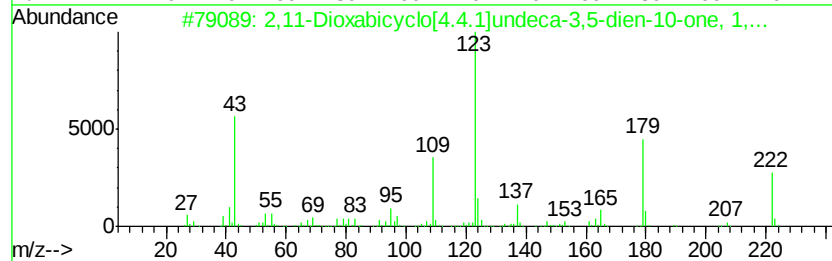
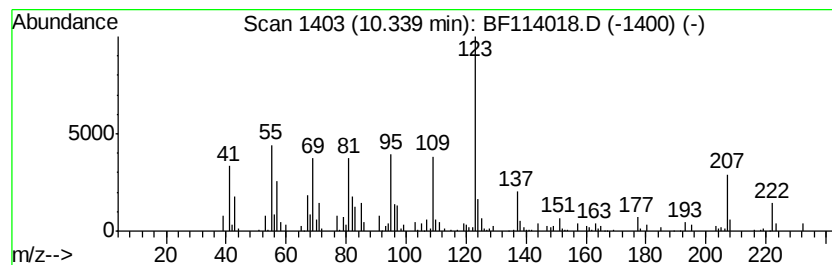
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 5 2,11-Dioxabicyclo[4.4.1]und... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.34	2.26 ng	124259	Acenaphthene-d10	9.92		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,11-Dioxabicyclo[4.4.1]undeca-3...	222	C13H18O3	070412-52-1	50	
2	Decahydro-8a-ethyl-1,1,4a,6-tetr...	222	C16H30	1000100-23-6	43	
3	Magnesium, bis(2,4-pentanedionat...	222	C10H14MgO4	014024-56-7	38	
4	Magnesium, bis(acetylacetonate)	222	C10H14MgO4	068488-07-3	38	
5	Ethanone, 1-[3-[2-methyl-2-(5-me...	222	C13H18O3	080114-28-9	38	



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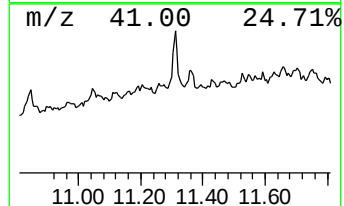
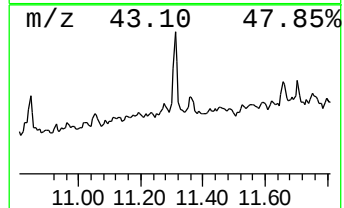
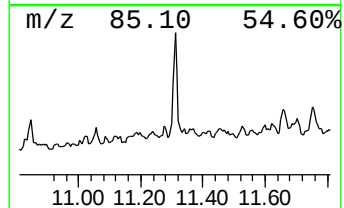
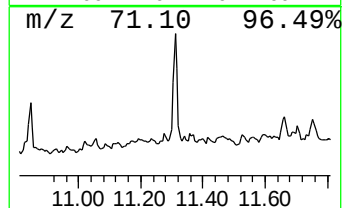
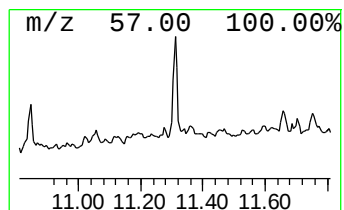
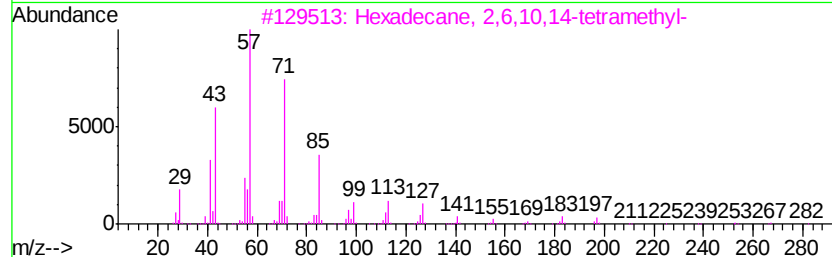
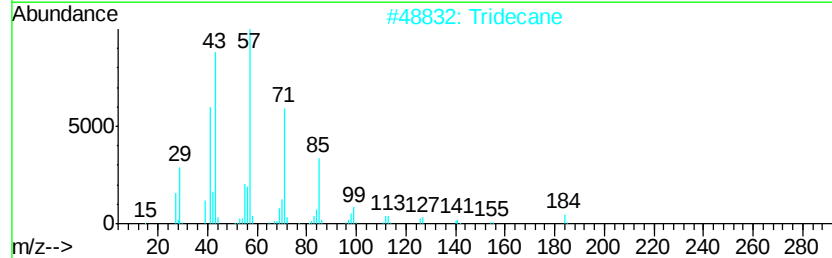
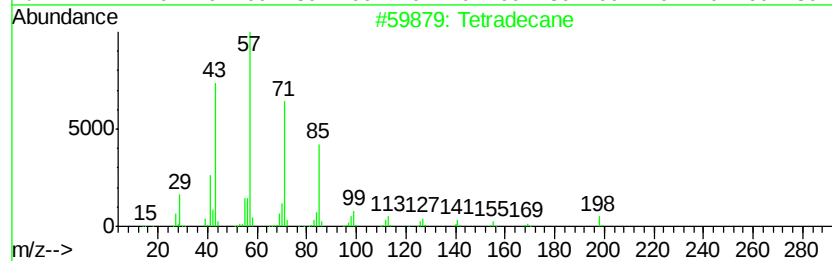
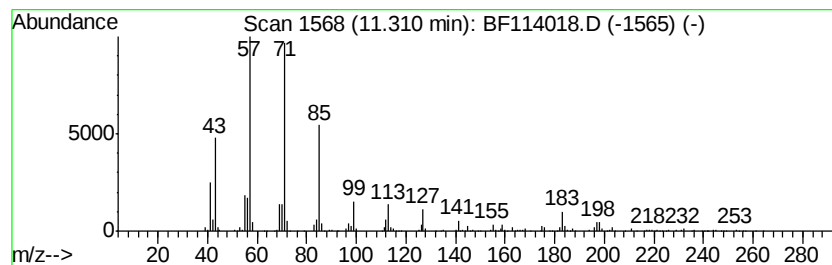
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Tetradecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	5.72 ng	296082	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	93
2		Tridecane	184	C13H28	000629-50-5	83
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	74
4		Heptadecane	240	C17H36	000629-78-7	72
5		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114018.D
Acq On : 29 Apr 2019 12:20
Operator : JU/SJ
Sample : K2571-01
Misc :
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ClientSampleId :
114-PENNINGTON

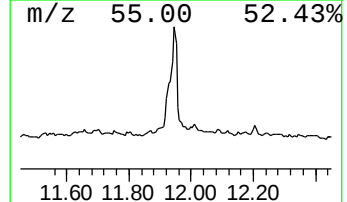
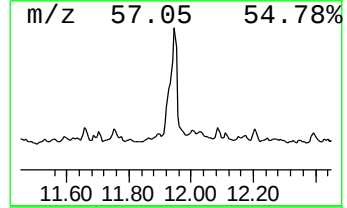
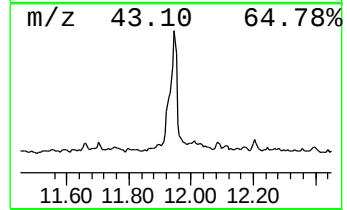
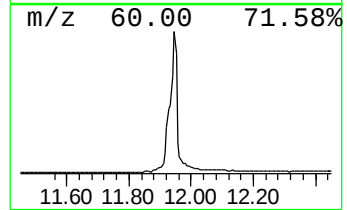
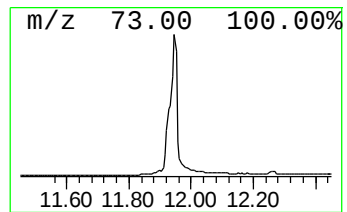
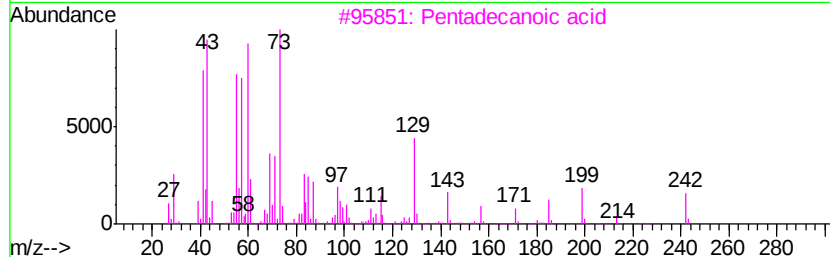
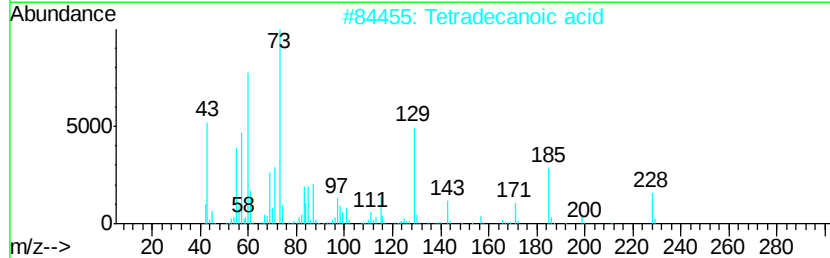
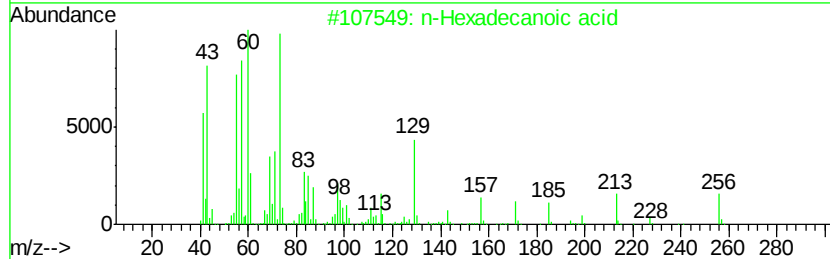
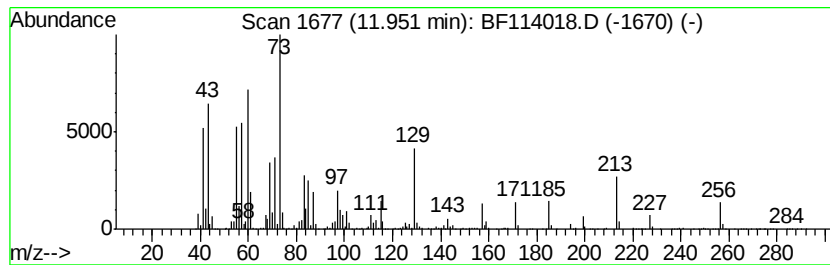
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	47.30 ng	2447000	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	89
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4		Octadecanoic acid	284	C18H36O2	000057-11-4	70
5		Tridecanoic acid	214	C13H26O2	000638-53-9	64



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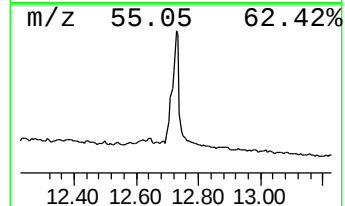
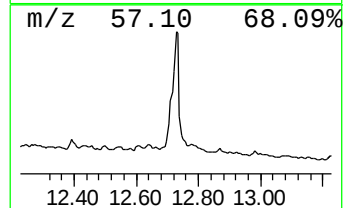
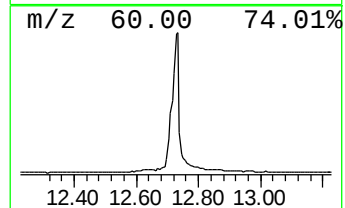
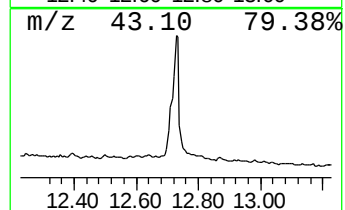
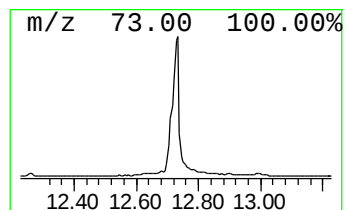
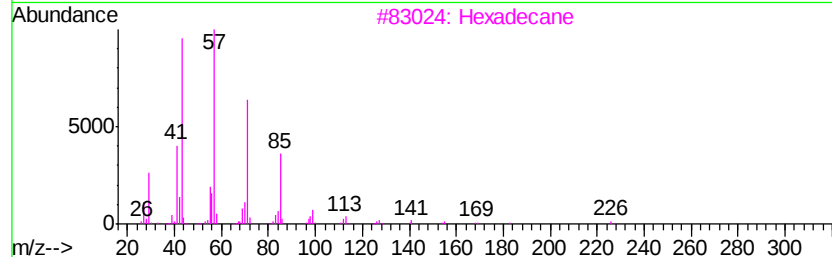
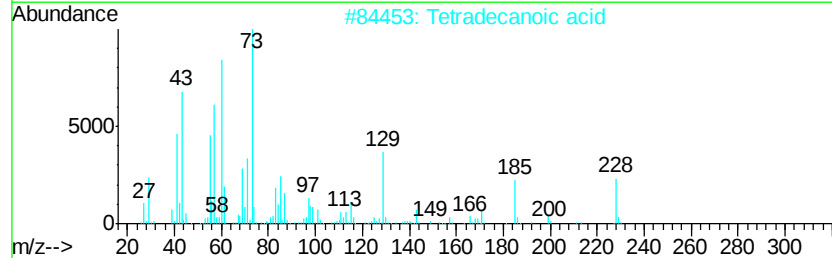
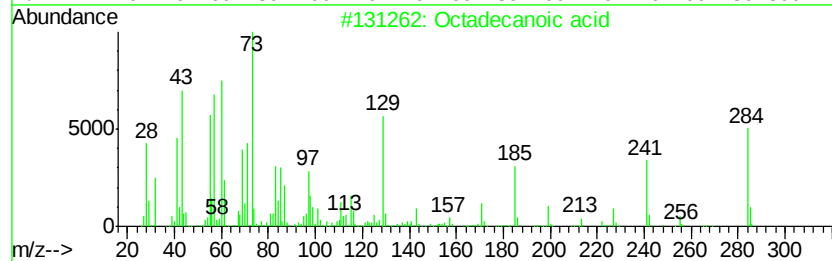
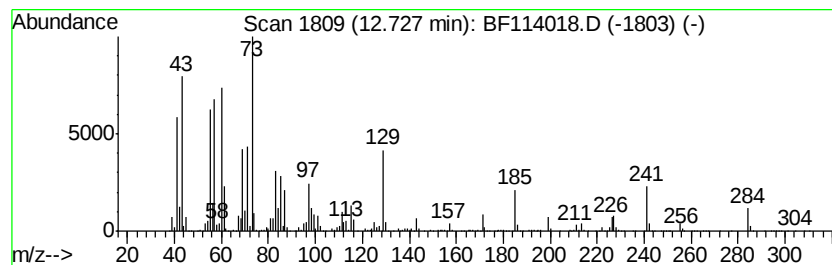
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	61.25 ng	2734370	Chrysene-d12	14.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	74
3		Hexadecane	226	C16H34	000544-76-3	59
4		n-Decanoic acid	172	C10H20O2	000334-48-5	58
5		Oxalic acid, propyl tetradecyl e...	328	C19H36O4	1000309-26-7	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114018.D
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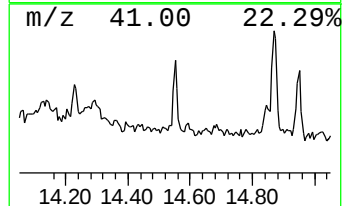
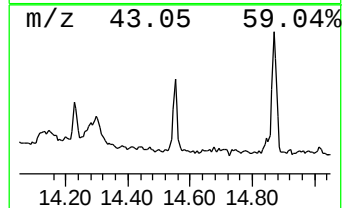
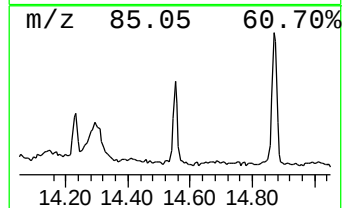
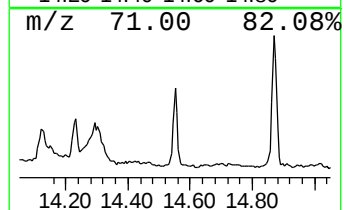
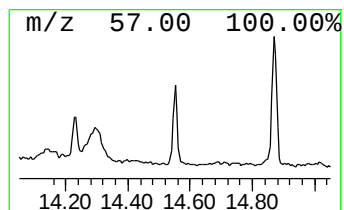
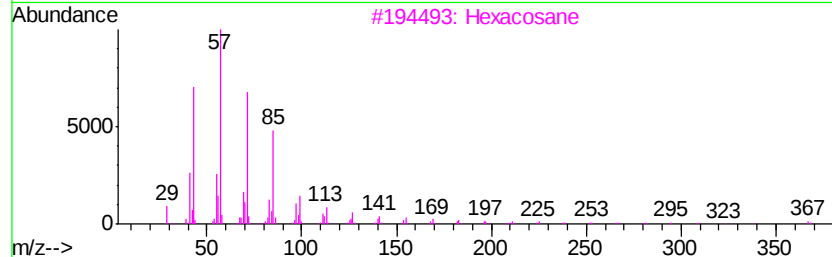
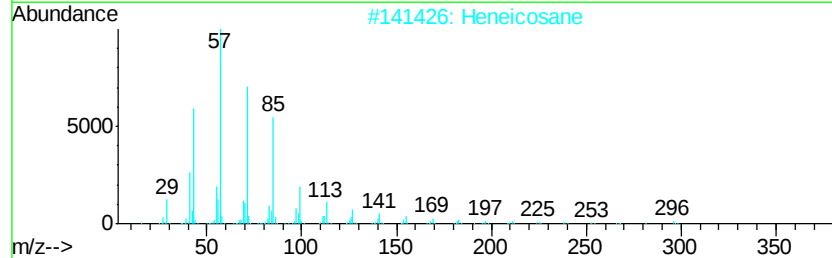
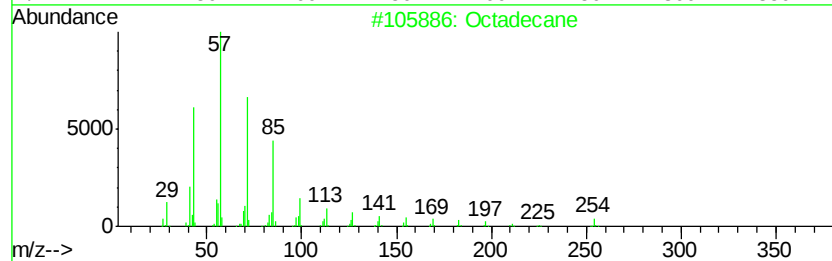
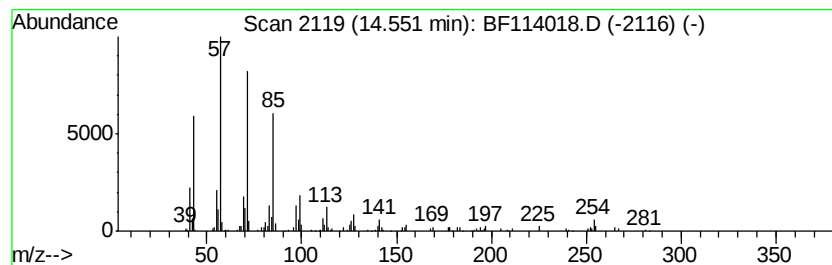
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	2.52 ng	112301	Chrysene-d12	14.06
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octadecane	254 C18H38	000593-45-3	93
2	Heneicosane	296 C21H44	000629-94-7	90
3	Hexacosane	366 C26H54	000630-01-3	90
4	Pentacosane	352 C25H52	000629-99-2	87
5	Heptadecane	240 C17H36	000629-78-7	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
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Sample : K2571-01
Misc :
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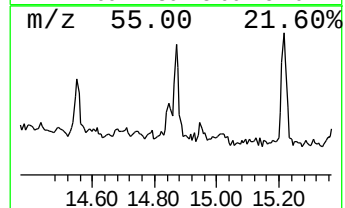
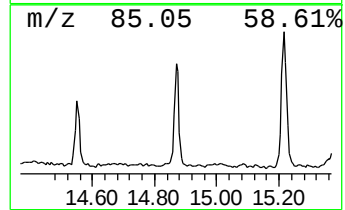
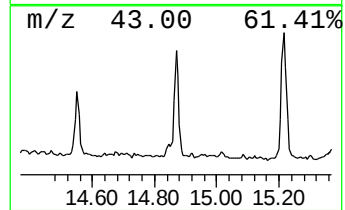
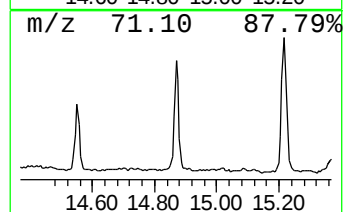
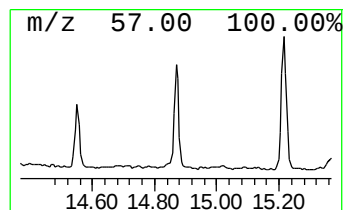
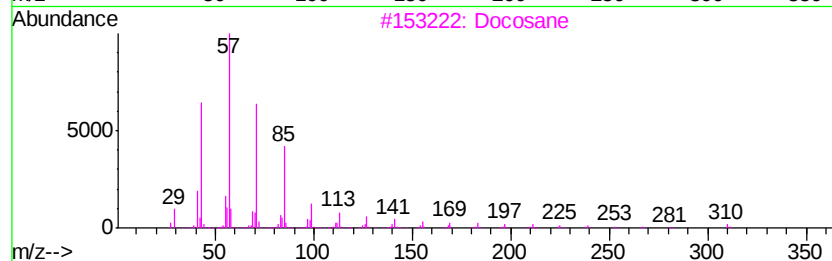
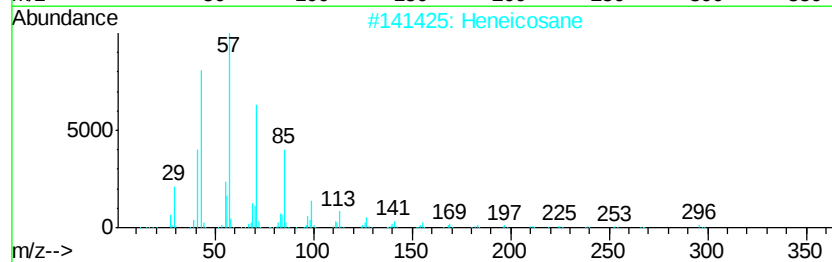
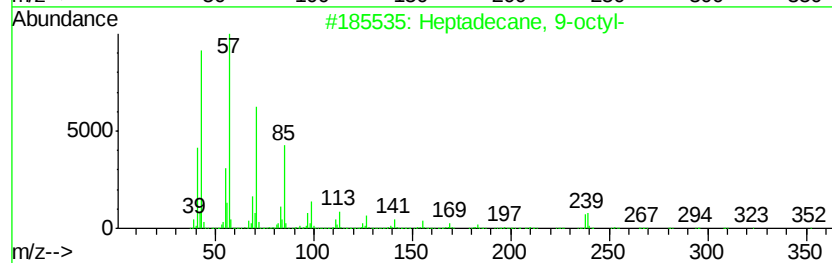
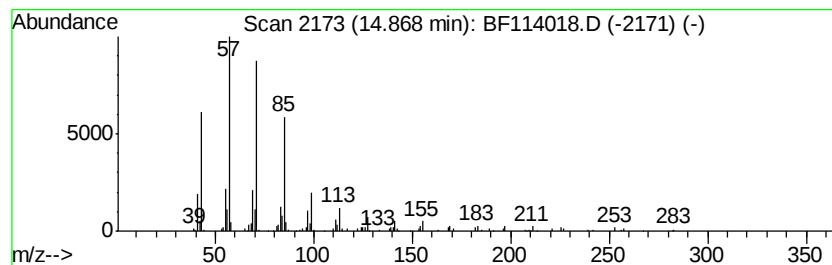
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	4.97 ng	213186	Perylene-d12	15.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
2		Heneicosane	296	C21H44	000629-94-7	90
3		Docosane	310	C22H46	000629-97-0	87
4		Tetracosane	338	C24H50	000646-31-1	86
5		Octadecane	254	C18H38	000593-45-3	83



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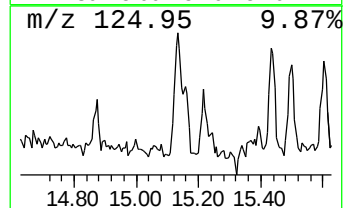
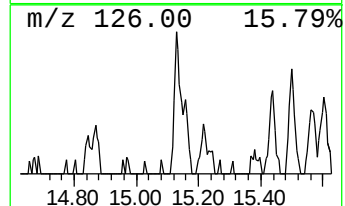
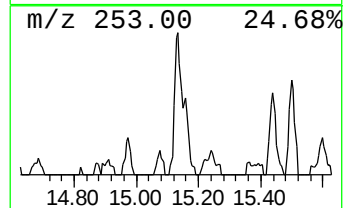
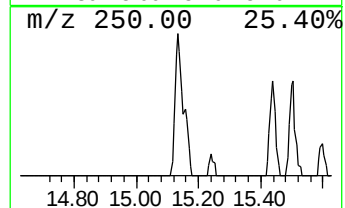
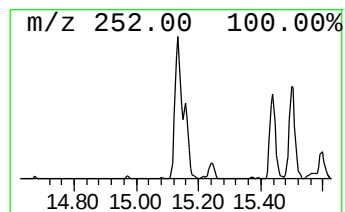
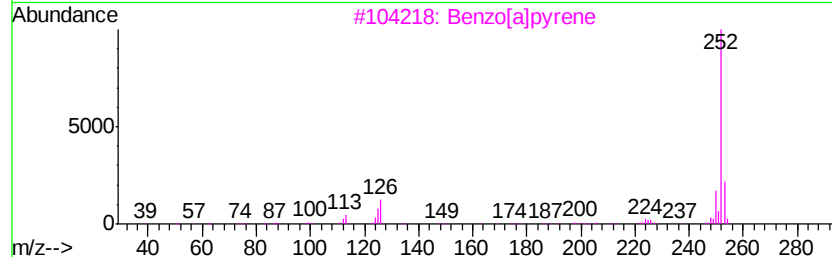
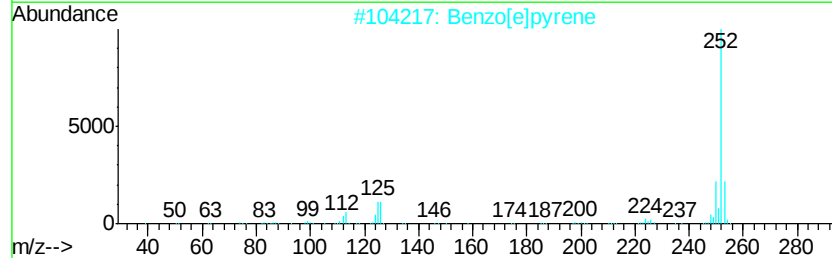
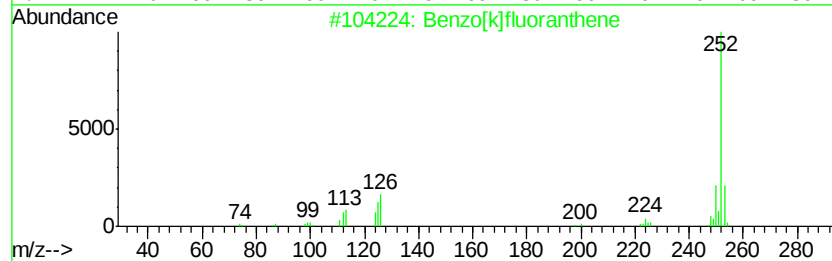
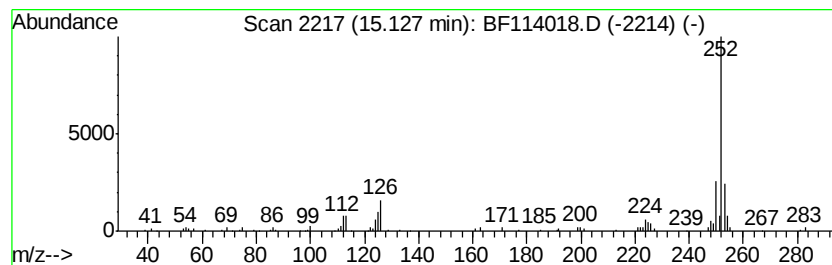
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
15.13	2.29 ng	98412	Perylene-d12	15.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2		Benzo[e]pyrene	252	C20H12	000192-97-2	90
3		Benzo[a]pyrene	252	C20H12	000050-32-8	87
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	87
5		Perylene	252	C20H12	000198-55-0	83



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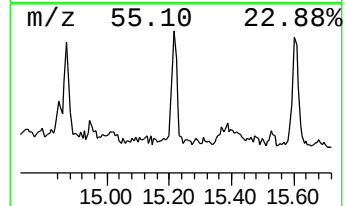
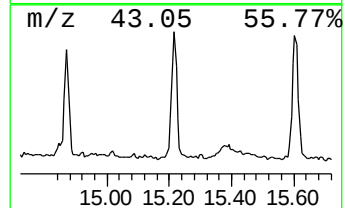
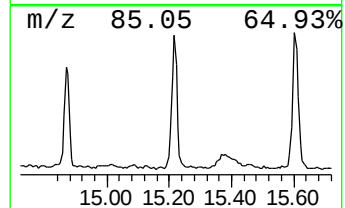
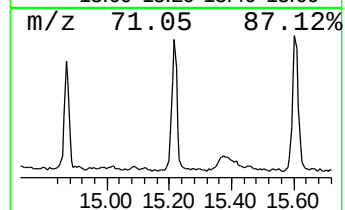
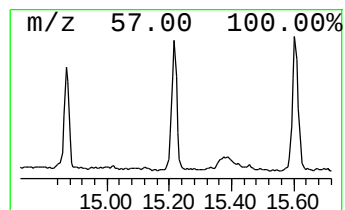
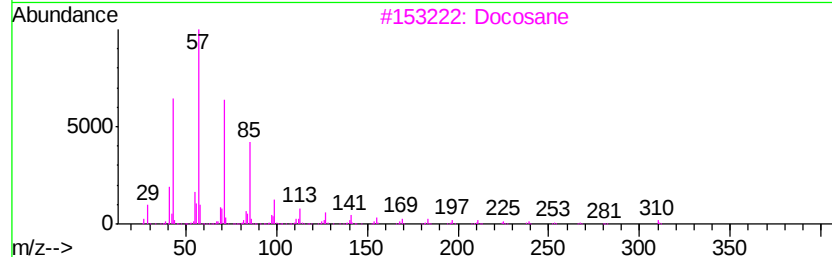
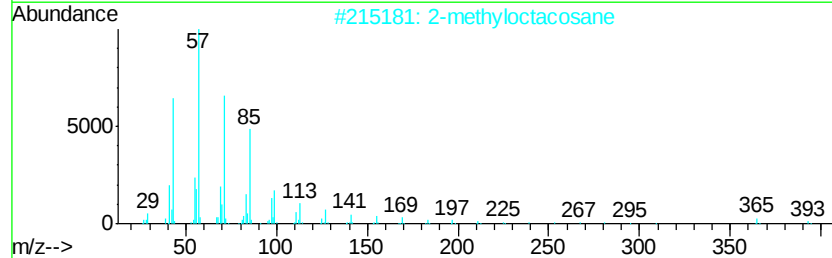
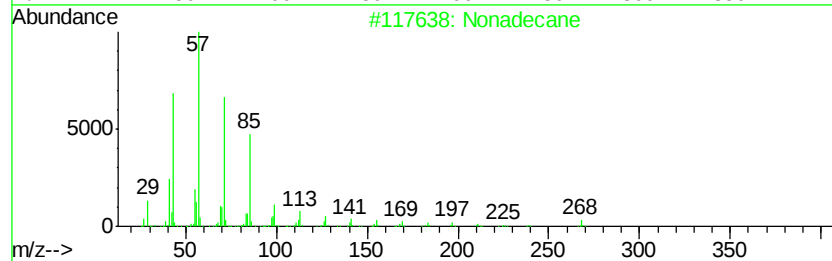
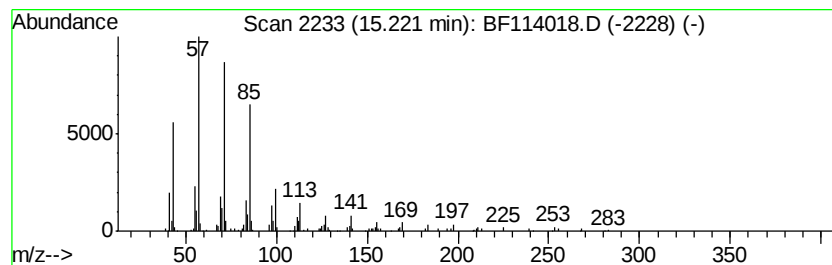
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Nonadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	6.63 ng	284487	Perylene-d12	15.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	95
2			2-methyloctacosane	408	C29H60	1000376-72-8	91
3			Docosane	310	C22H46	000629-97-0	91
4			Hexacosane	366	C26H54	000630-01-3	91
5			Heneicosane	296	C21H44	000629-94-7	91



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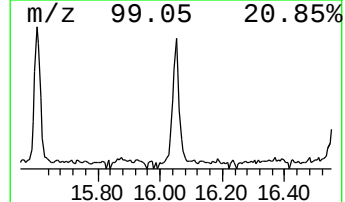
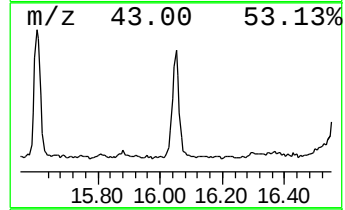
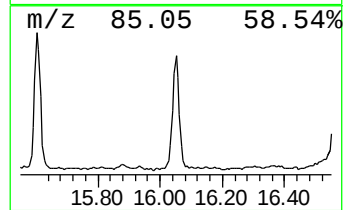
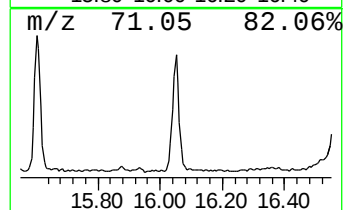
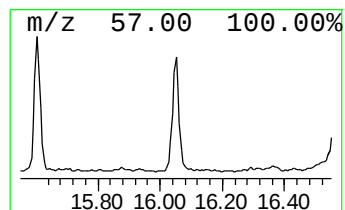
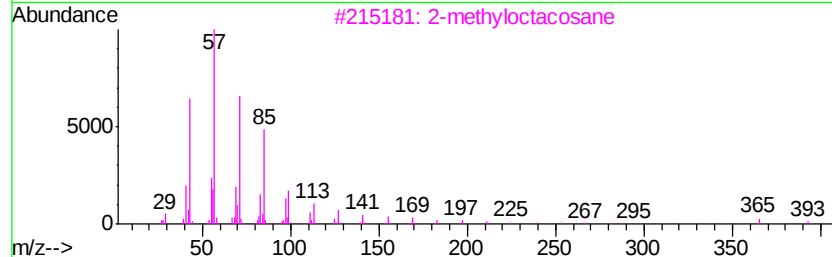
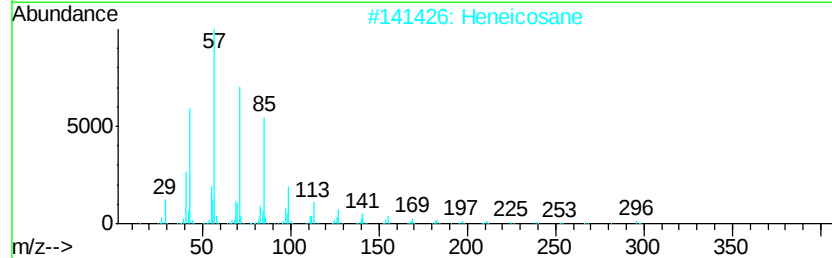
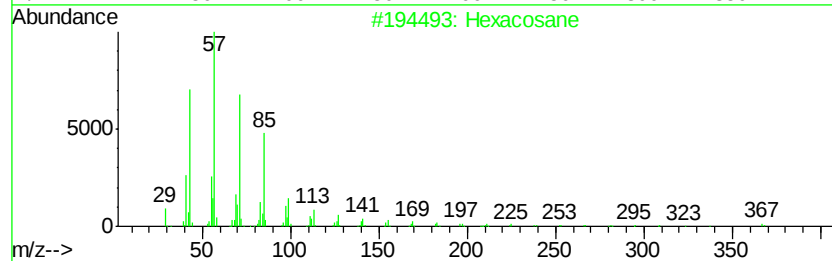
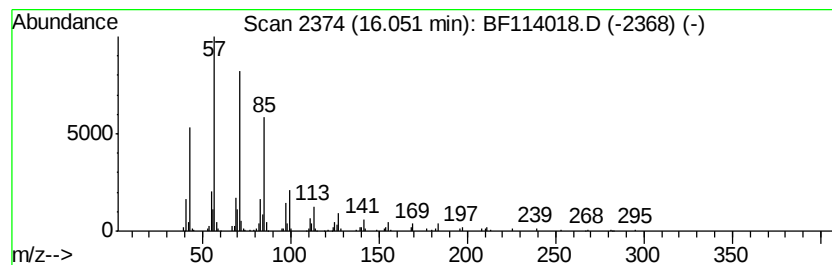
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hexacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	7.21 ng	309229	Perylene-d12	15.57

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		triacontane	422	C30H62	000638-68-6	91
5		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114018.D
Acq On : 29 Apr 2019 12:20
Operator : JU/SJ
Sample : K2571-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTON

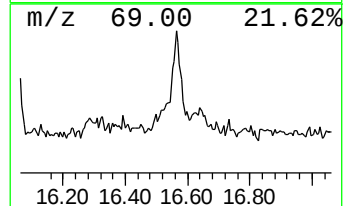
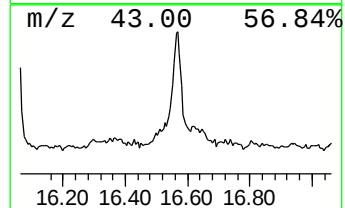
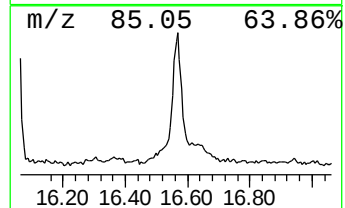
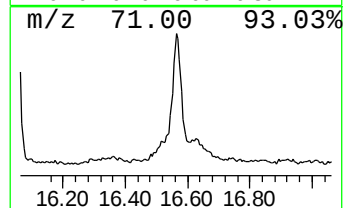
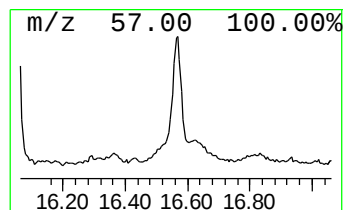
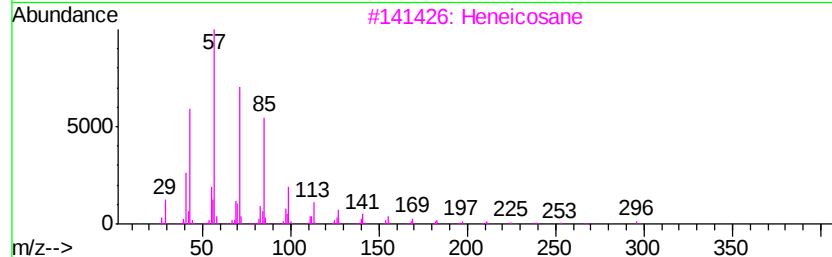
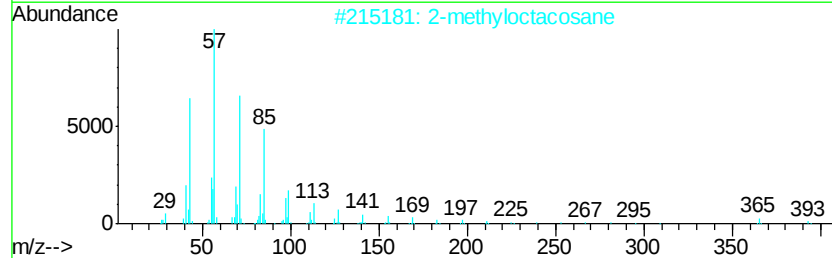
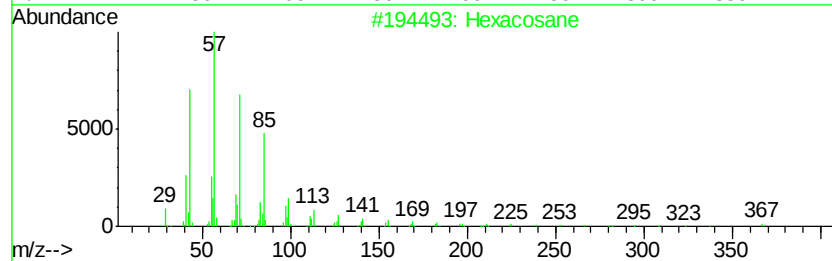
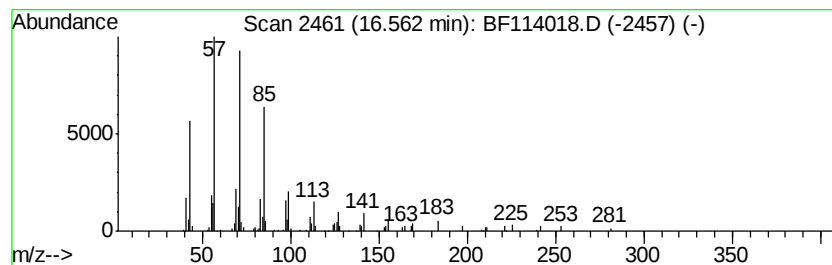
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 2-methyloctacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	4.33 ng	185904	Perylene-d12	15.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexacosane	366	C26H54	000630-01-3	91
2			2-methyloctacosane	408	C29H60	1000376-72-8	91
3			Heneicosane	296	C21H44	000629-94-7	91
4			Triacontane	422	C30H62	000638-68-6	91
5			Heptacosane	380	C27H56	000593-49-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114018.D
Acq On : 29 Apr 2019 12:20
Operator : JU/SJ
Sample : K2571-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTON

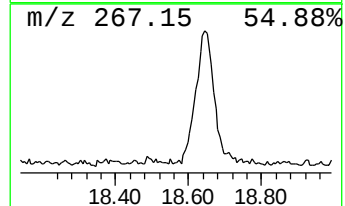
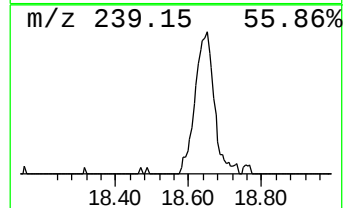
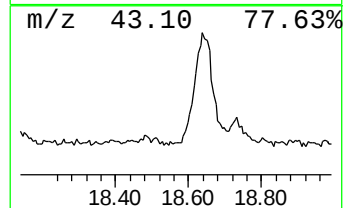
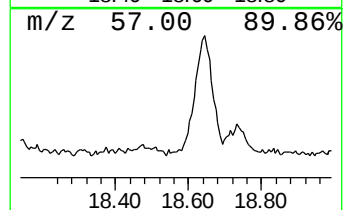
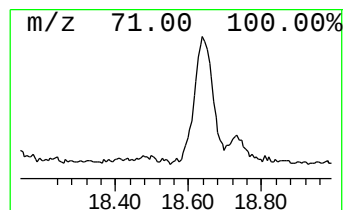
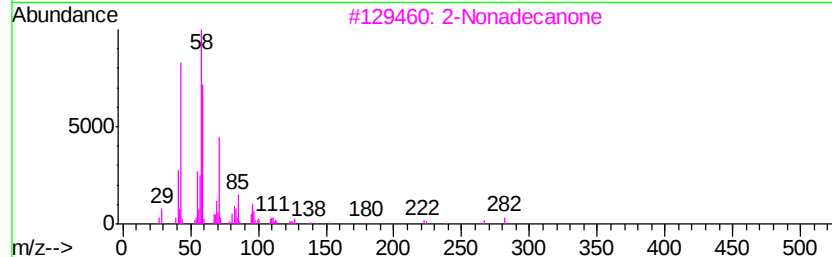
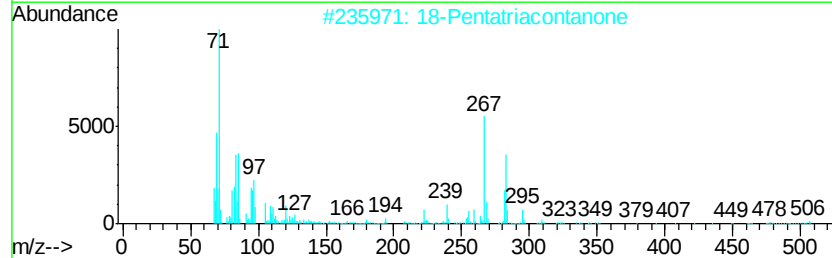
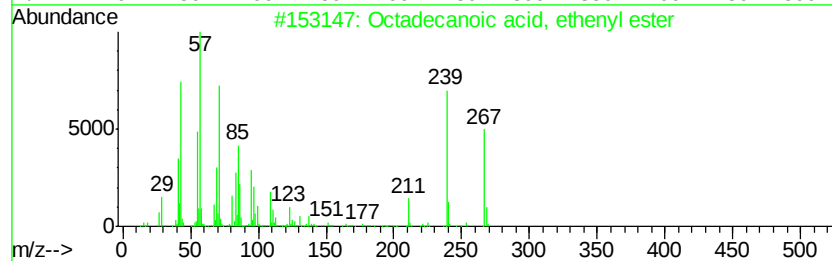
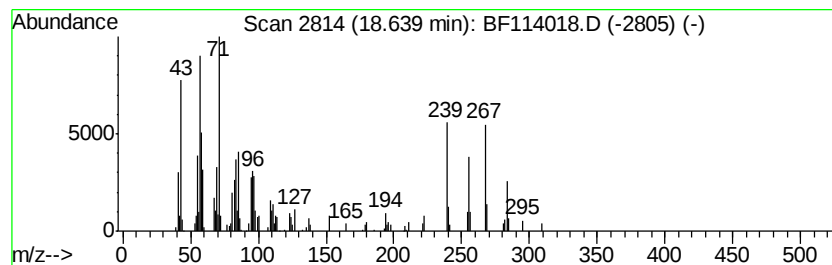
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Octadecanoic acid, ethenyl ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	8.77 ng	376082	Perylene-d12	15.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid, ethenyl ester	310	C20H38O2	000111-63-7	58
2		18-Pentatriacontanone	507	C35H70O	000504-53-0	52
3		2-Nonadecanone	282	C19H38O	000629-66-3	46
4		16-Hexadecanoyl hydrazide	270	C16H34N2O	002619-88-7	46
5		Palmitic acid vinyl ester	282	C18H34O2	000693-38-9	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114018.D
Acq On : 29 Apr 2019 12:20
Operator : JU/SJ
Sample : K2571-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTON

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	2.20	8.1 ng		277678	1	6.89	684346	20.0
unknown6.66	6.66	68.6 ng		2345990	1	6.89	684346	20.0
Resorcinol	8.61	2.9 ng		125555	2	8.17	858386	20.0
2,11-Dioxabicyclo...	10.34	2.3 ng		124259	3	9.92	1099820	20.0
Tetradecane	11.31	5.7 ng		296082	4	11.41	1034700	20.0
n-Hexadecanoic acid	11.95	47.3 ng		2447000	4	11.41	1034700	20.0
Octadecanoic acid	12.73	61.3 ng		2734370	5	14.06	892870	20.0
Octadecane	14.55	2.5 ng		112301	5	14.06	892870	20.0
Heptadecane, 9-oc...	14.87	5.0 ng		213186	6	15.57	857703	20.0
Benzo[e]pyrene	15.13	2.3 ng		98412	6	15.57	857703	20.0
Nonadecane	15.22	6.6 ng		284487	6	15.57	857703	20.0
Hexacosane	16.05	7.2 ng		309229	6	15.57	857703	20.0
2-methyloctacosane	16.56	4.3 ng		185904	6	15.57	857703	20.0
Octadecanoic acid...	18.64	8.8 ng		376082	6	15.57	857703	20.0