

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
 Data File : BF112191.D
 Acq On : 22 Jan 2019 14:14
 Operator : JU/SJ
 Sample : K1013-05 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-C

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-BF011619.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	5.481	573	577	586	rBV	967322	932157	9.76%	1.669%
2	6.493	745	749	758	rBV	969089	1027089	10.75%	1.839%
3	6.622	768	771	779	rVB	1270372	1091539	11.43%	1.954%
4	6.851	806	810	817	rVB	1777684	1505504	15.76%	2.695%
5	7.004	832	836	840	rBV	1005382	903687	9.46%	1.618%
6	7.128	854	857	860	rVB2	127329	120479	1.26%	0.216%
7	7.245	872	877	880	rBV3	95060	123943	1.30%	0.222%
8	7.387	896	901	902	rBV2	99706	119762	1.25%	0.214%
9	7.410	902	905	908	rVV	628853	652206	6.83%	1.168%
10	7.451	910	912	915	rVV	198189	163755	1.71%	0.293%
11	7.498	915	920	923	rVB4	102428	154277	1.61%	0.276%
12	7.657	945	947	950	rVB2	100283	99672	1.04%	0.178%
13	7.775	965	967	971	rVB4	108921	118595	1.24%	0.212%
14	7.822	971	975	977	rVB3	112674	133258	1.39%	0.239%
15	7.851	977	980	982	rBV2	148480	134567	1.41%	0.241%
16	7.875	982	984	990	rVB4	128964	233962	2.45%	0.419%
17	8.004	1004	1006	1010	rBV2	84610	100648	1.05%	0.180%
18	8.087	1015	1020	1023	rVV4	90212	160002	1.67%	0.286%
19	8.134	1023	1028	1032	rVV	2273263	2326045	24.35%	4.164%
20	8.198	1034	1039	1041	rVB2	339999	386284	4.04%	0.691%
21	8.222	1041	1043	1046	rBV3	125820	122060	1.28%	0.218%
22	8.339	1060	1063	1066	rVB2	210541	213286	2.23%	0.382%
23	8.428	1073	1078	1080	rBV4	236563	281043	2.94%	0.503%
24	8.481	1085	1087	1090	rBV3	157411	135913	1.42%	0.243%
25	8.516	1090	1093	1096	rVB3	138212	164738	1.72%	0.295%
26	8.557	1096	1100	1102	rBV	437475	369378	3.87%	0.661%
27	8.639	1111	1114	1117	rBV2	260630	220100	2.30%	0.394%
28	8.728	1126	1129	1133	rBV2	320594	326379	3.42%	0.584%
29	8.822	1142	1145	1148	rVB3	194855	228025	2.39%	0.408%
30	8.922	1158	1162	1164	rBV5	71003	124142	1.30%	0.222%
31	9.010	1174	1177	1181	rBV5	87699	124741	1.31%	0.223%
32	9.086	1186	1190	1194	rVB3	98001	160927	1.68%	0.288%
33	9.128	1195	1197	1199	rBV2	131995	98896	1.04%	0.177%
34	9.157	1199	1202	1206	rVV3	625281	574573	6.01%	1.029%

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35	9.204	1207	1210	1216	rVB	1524393	1215871	12.73%	2.177%
36	9.292	1221	1225	1229	rBV2	452988	559262	5.85%	1.001%
37	9.481	1252	1257	1259	rVB4	102824	146382	1.53%	0.262%
38	9.545	1266	1268	1270	rBV2	150474	113366	1.19%	0.203%
39	9.610	1275	1279	1281	rVV3	500203	544400	5.70%	0.975%
40	9.634	1281	1283	1286	rVB3	132782	105848	1.11%	0.189%
41	9.669	1286	1289	1291	rBV2	147143	122158	1.28%	0.219%
42	9.816	1312	1314	1319	rVB	403249	359495	3.76%	0.644%
43	9.886	1323	1326	1330	rVB	2020633	1871381	19.59%	3.350%
44	9.992	1341	1344	1348	rBV3	110862	135338	1.42%	0.242%
45	10.081	1356	1359	1366	rVB2	136331	226201	2.37%	0.405%
46	10.139	1366	1369	1373	rBV4	143184	201320	2.11%	0.360%
47	10.204	1377	1380	1383	rBV2	102719	118740	1.24%	0.213%
48	10.316	1397	1399	1402	rVB	516565	374968	3.93%	0.671%
49	10.433	1416	1419	1425	rBV5	118413	158363	1.66%	0.283%
50	10.539	1432	1437	1442	rVB	298878	382638	4.01%	0.685%
51	10.675	1458	1460	1464	rVB	587630	491318	5.14%	0.880%
52	10.786	1477	1479	1489	rVB2	425071	690142	7.22%	1.235%
53	11.239	1552	1556	1558	rBV	351808	324128	3.39%	0.580%
54	11.269	1558	1561	1567	rVB	355663	356003	3.73%	0.637%
55	11.375	1575	1579	1581	rBV	1844670	1585610	16.60%	2.838%
56	11.398	1581	1583	1590	rVV	552280	524566	5.49%	0.939%
57	11.451	1590	1592	1595	rVB	158418	118018	1.24%	0.211%
58	11.663	1625	1628	1630	rBV	341791	271778	2.84%	0.487%
59	11.763	1641	1645	1648	rBV	3853739	3122777	32.69%	5.590%
60	11.898	1666	1668	1675	rVB2	161583	194804	2.04%	0.349%
61	11.986	1680	1683	1686	rBV3	104988	113258	1.19%	0.203%
62	12.069	1694	1697	1702	rVB	264965	255291	2.67%	0.457%
63	12.451	1758	1762	1764	rBV	8049202	8627092	90.30%	15.443%
64	12.475	1764	1766	1772	rVV	9747596	9553313	100.00%	17.101%
65	12.522	1772	1774	1776	rVB	153951	117779	1.23%	0.211%
66	12.557	1776	1780	1783	rBV	1418158	1251586	13.10%	2.240%
67	12.586	1783	1785	1791	rBV	495140	519822	5.44%	0.931%
68	12.786	1817	1819	1822	rBV2	182052	207767	2.17%	0.372%
69	12.822	1822	1825	1832	rVB2	410985	560529	5.87%	1.003%
70	12.957	1844	1848	1851	rBV	1053714	894156	9.36%	1.601%
71	13.116	1872	1875	1877	rBV	207878	223852	2.34%	0.401%

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72	13.186	1884	1887	1888	rBV	236739	201910	2.11%	0.361%
73	13.280	1900	1903	1906	rVB	228560	210989	2.21%	0.378%
74	13.527	1942	1945	1948	rBV	195487	164084	1.72%	0.294%
75	13.857	1998	2001	2011	rVB3	247491	388101	4.06%	0.695%
76	13.945	2014	2016	2021	rBV2	155142	166588	1.74%	0.298%
77	14.016	2024	2028	2031	rBV	1786904	1706457	17.86%	3.055%
78	14.169	2052	2054	2058	rVB	252799	239072	2.50%	0.428%
79	14.474	2104	2106	2109	rVB	336291	295984	3.10%	0.530%
80	14.780	2156	2158	2162	rBV	275296	267468	2.80%	0.479%
81	15.121	2213	2216	2221	rVB	359731	394170	4.13%	0.706%
82	15.492	2275	2279	2287	rVB2	1101609	1557434	16.30%	2.788%

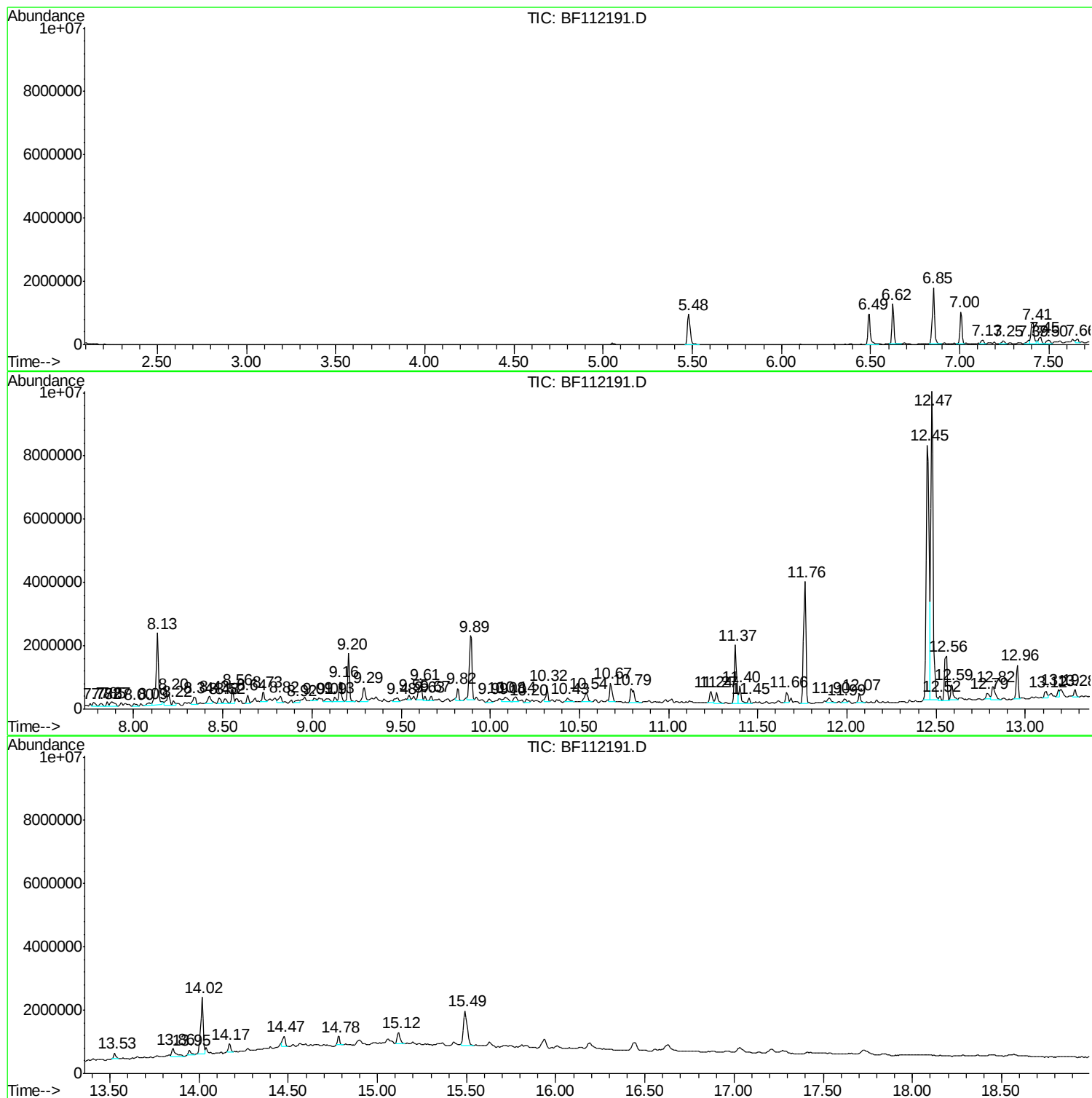
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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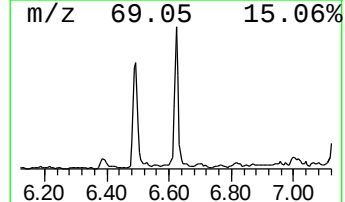
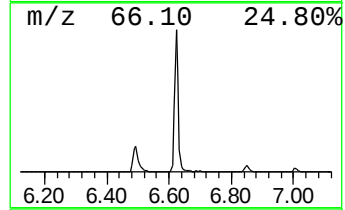
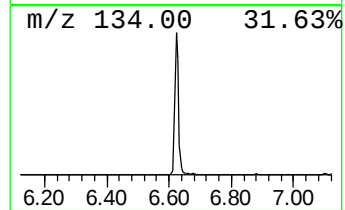
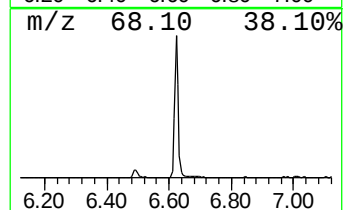
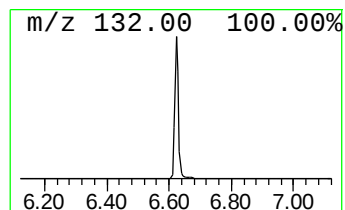
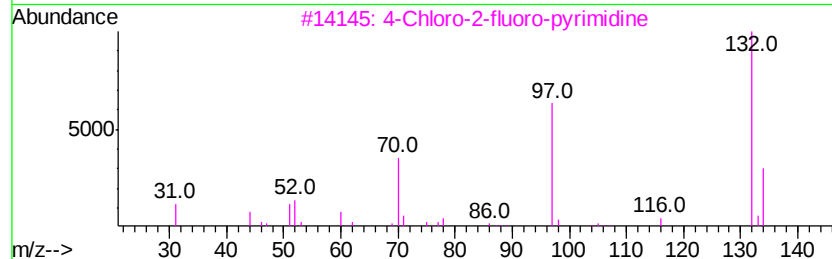
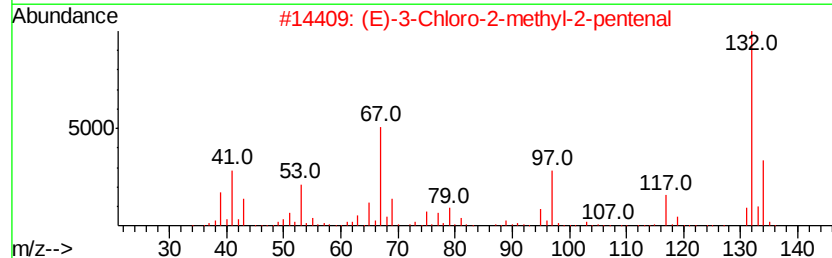
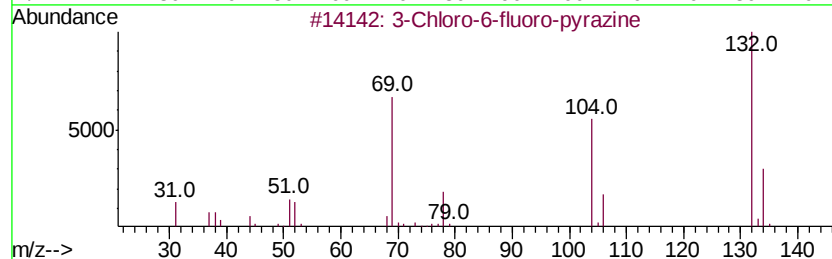
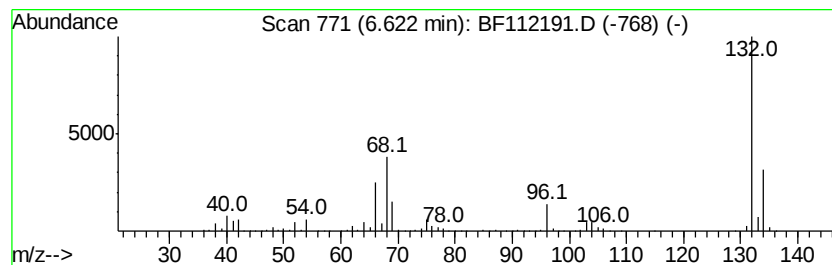
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.62 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	14.50 ng	1091540	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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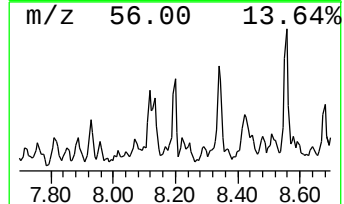
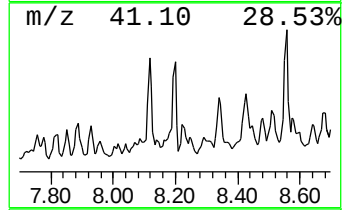
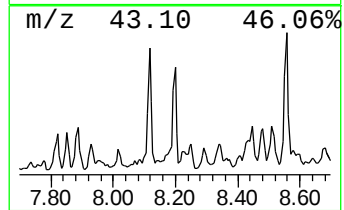
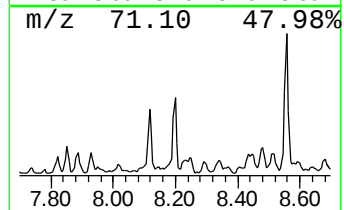
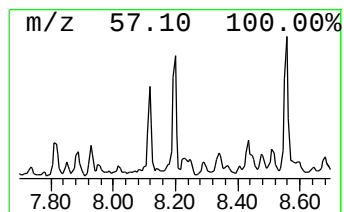
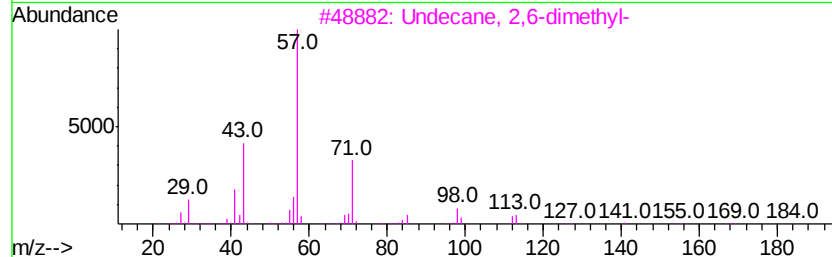
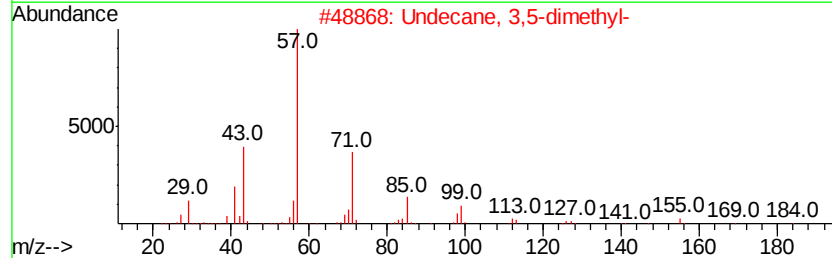
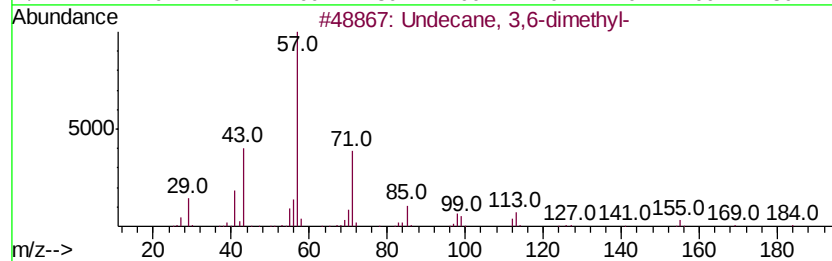
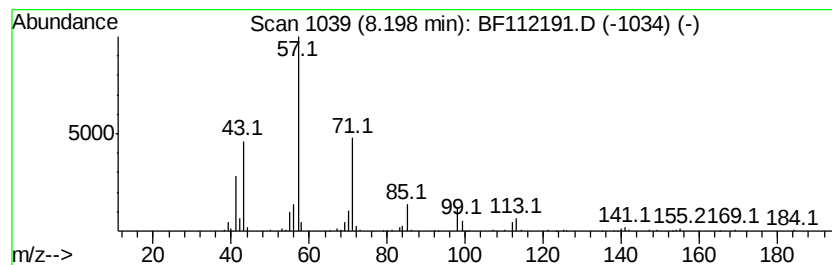
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Undecane, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	3.32 ng	386284	Napthalene-d8	8.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	95
2		Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	87
3		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	86
4		Dodecane, 6-methyl-	184	C13H28	006044-71-9	76
5		Undecane, 6-ethyl-	184	C13H28	017312-60-6	64



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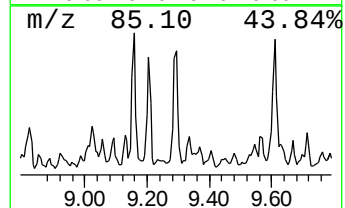
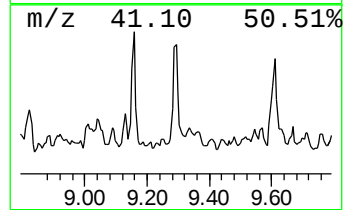
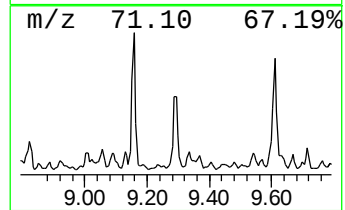
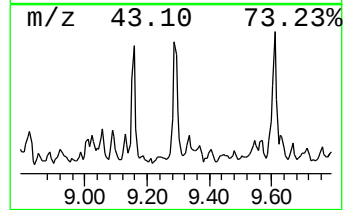
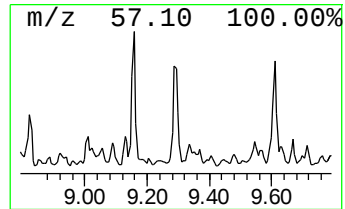
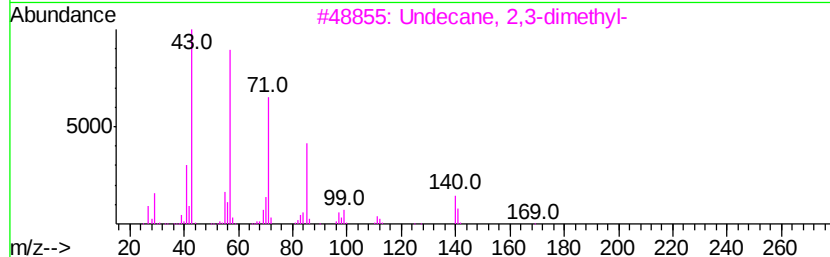
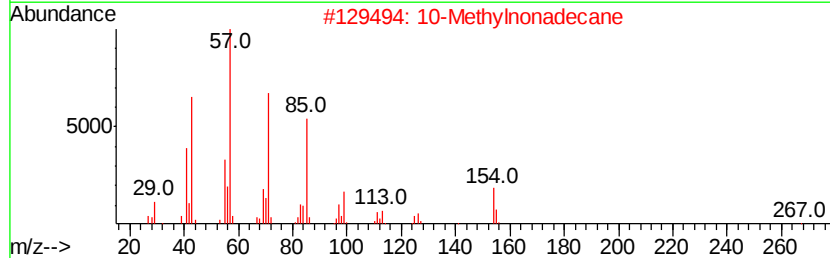
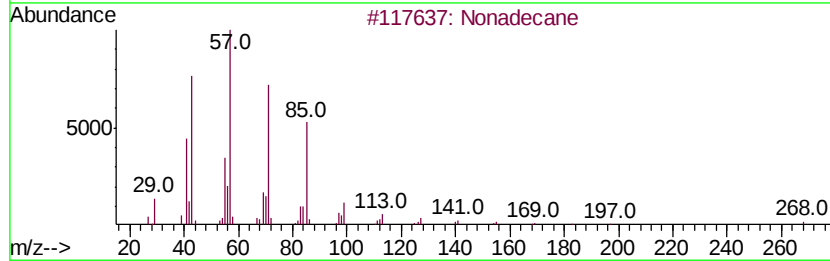
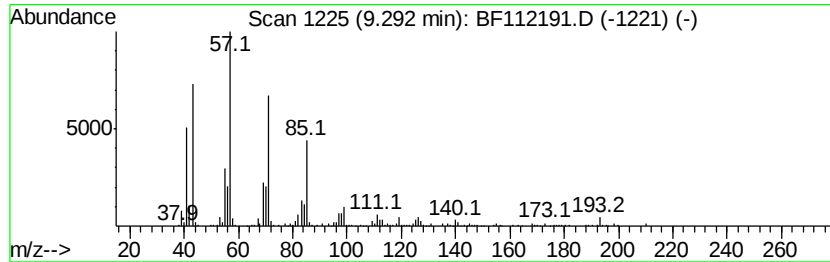
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 10-Methylnonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	5.98 ng	559262	Acenaphthene-d10	9.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonadecane	268 C19H40	000629-92-5	80
2	10-Methylnonadecane	282 C20H42	056862-62-5	80
3	Undecane, 2,3-dimethyl-	184 C13H28	017312-77-5	72
4	Tetradecane	198 C14H30	000629-59-4	64
5	Undecane, 2-methyl-	170 C12H26	007045-71-8	64



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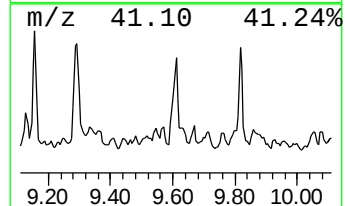
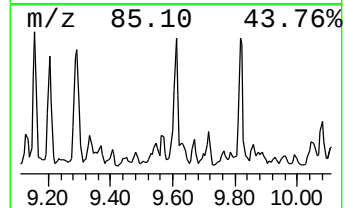
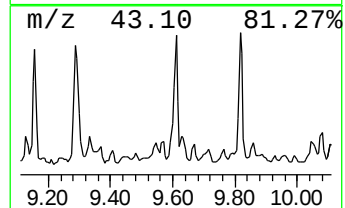
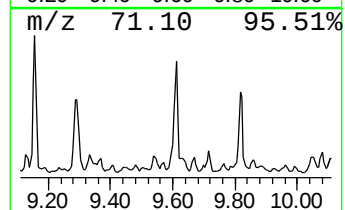
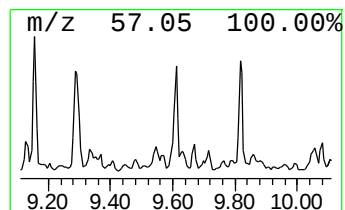
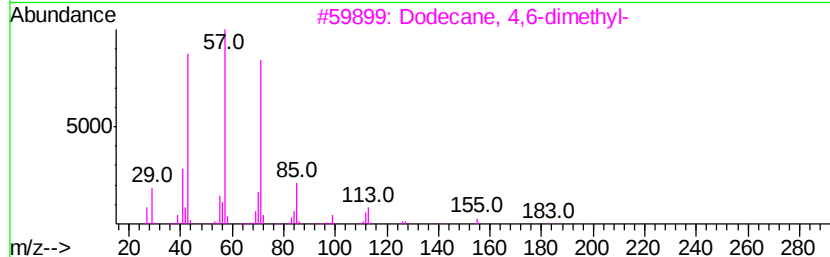
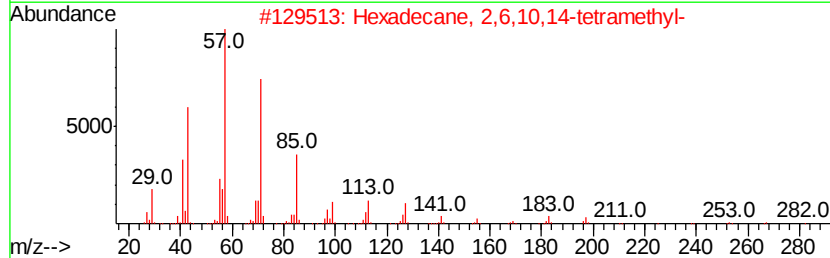
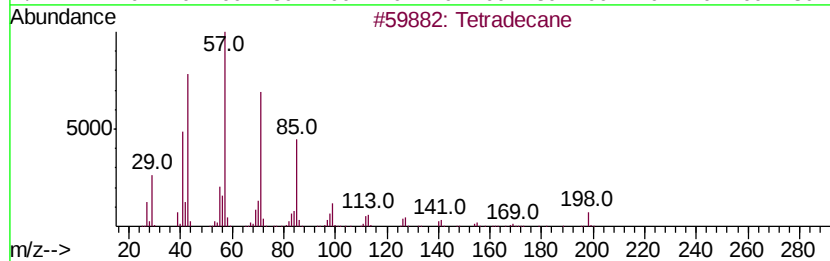
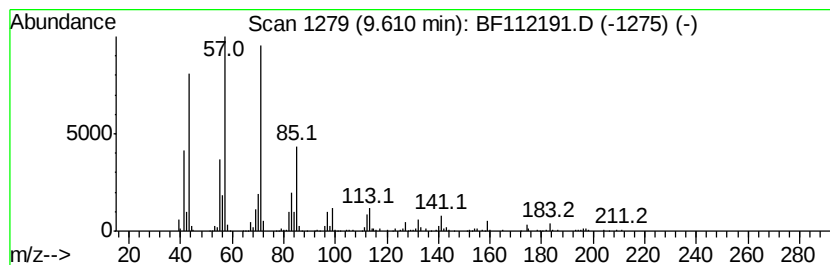
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tetradecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	5.82 ng	544400	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	81
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
3		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	76
4		Dodecane, 4-methyl-	184	C13H28	006117-97-1	62
5		Undecane, 6-ethyl-	184	C13H28	017312-60-6	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112191.D
Acq On : 22 Jan 2019 14:14
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

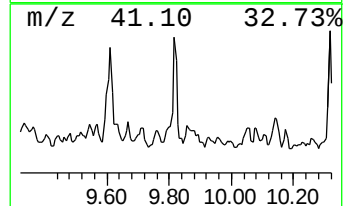
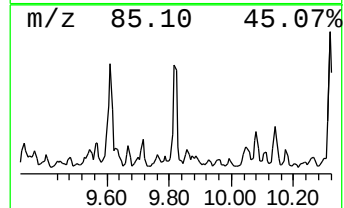
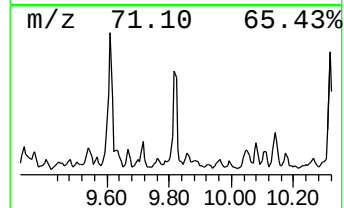
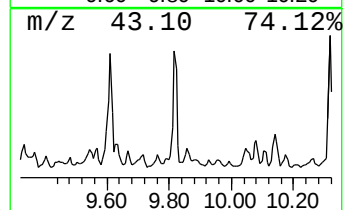
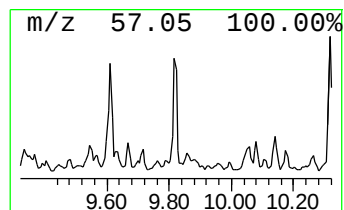
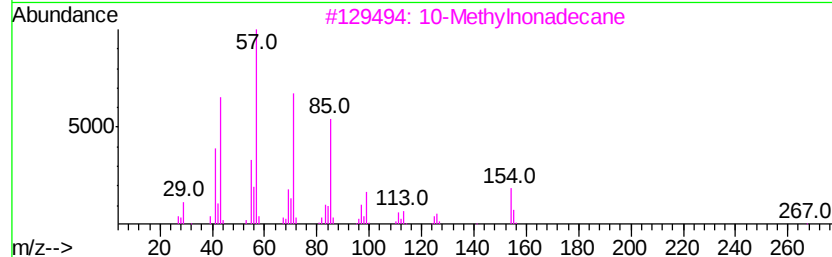
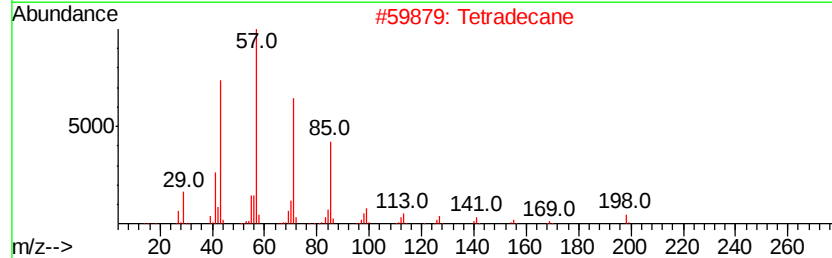
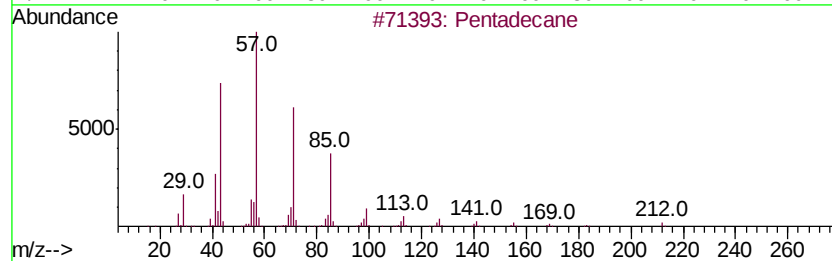
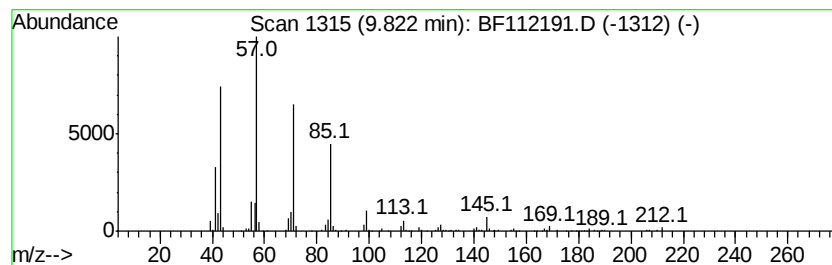
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Pentadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	3.84 ng	359495	Acenaphthene-d10	9.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Pentadecane	212 C15H32	000629-62-9	90
2	Tetradecane	198 C14H30	000629-59-4	90
3	10-Methylnonadecane	282 C20H42	056862-62-5	90
4	Tridecane	184 C13H28	000629-50-5	90
5	Undecane, 2,3-dimethyl-	184 C13H28	017312-77-5	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
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Sample : K1013-05 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

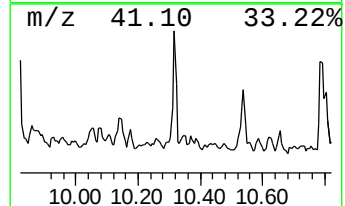
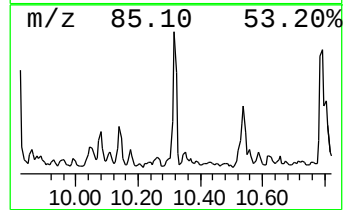
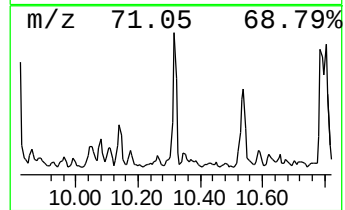
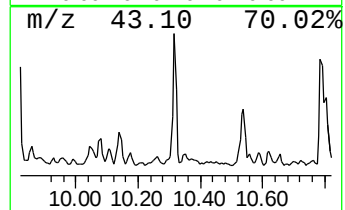
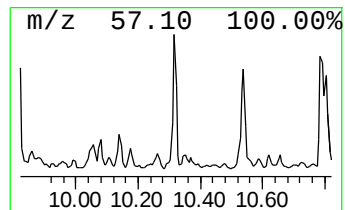
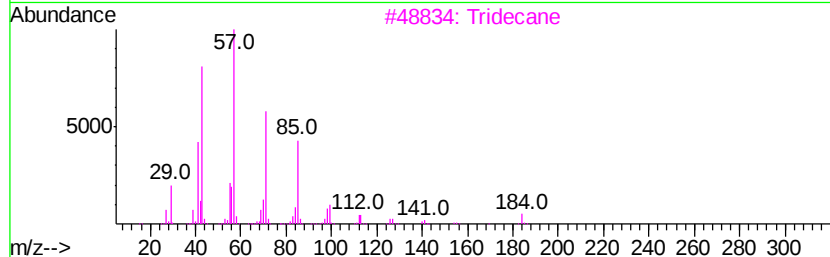
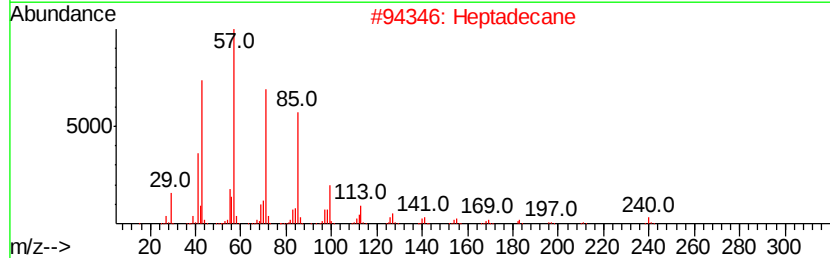
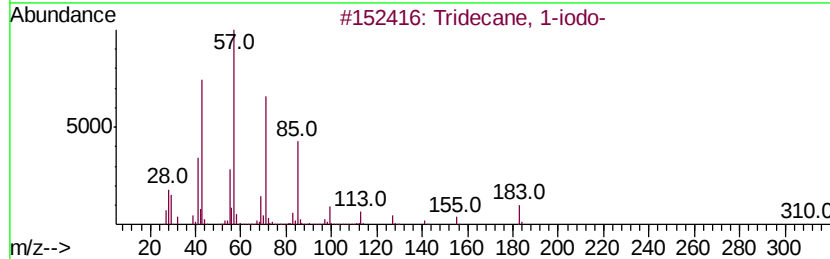
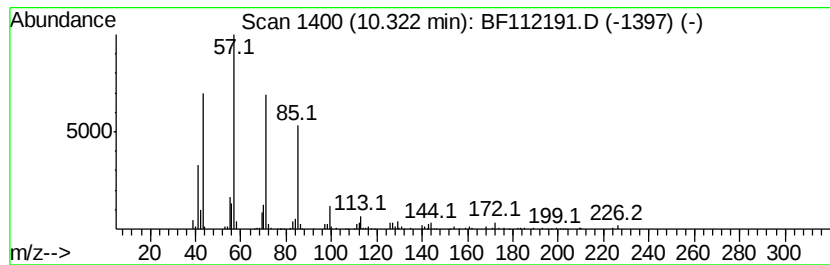
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tridecane, 1-iodo- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.32	4.01 ng	374968	Acenaphthene-d10		9.89
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
2	Heptadecane	240	C17H36	000629-78-7	90
3	Tridecane	184	C13H28	000629-50-5	81
4	Dodecane	170	C12H26	000112-40-3	80
5	Heptacosane	380	C27H56	000593-49-7	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
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Operator : JU/SJ
Sample : K1013-05 5X
Misc :
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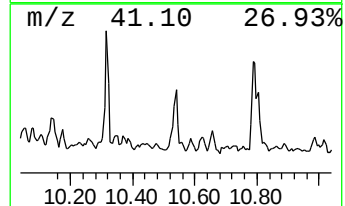
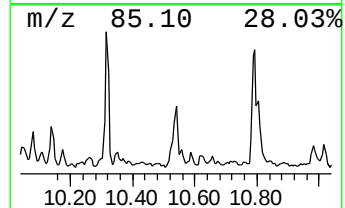
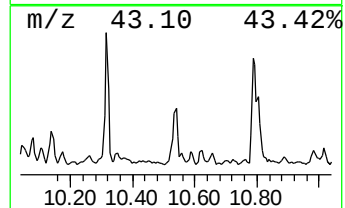
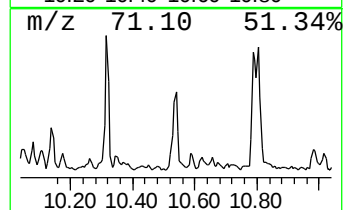
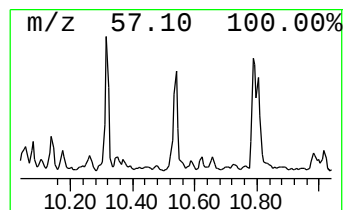
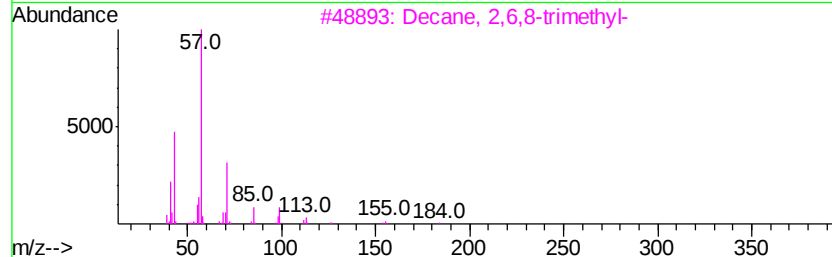
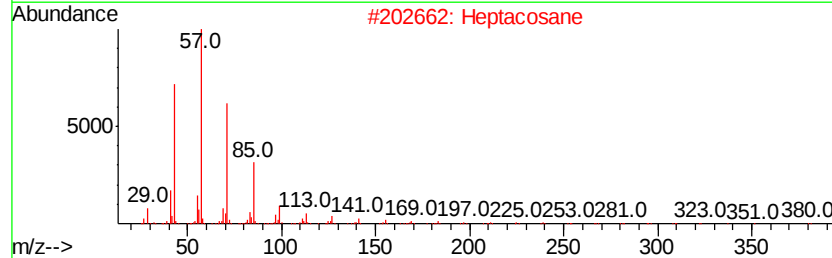
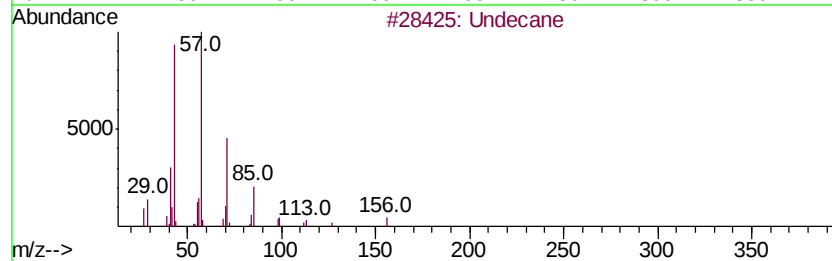
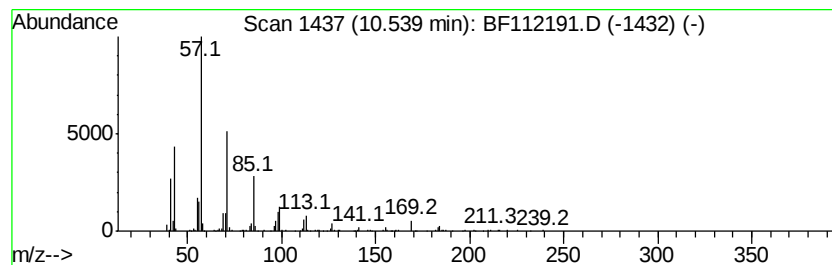
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Undecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	4.09 ng	382638	Acenaphthene-d10	9.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane	156 C11H24	001120-21-4	87
2	Heptacosane	380 C27H56	000593-49-7	83
3	Decane, 2,6,8-trimethyl-	184 C13H28	062108-26-3	76
4	Tridecane	184 C13H28	000629-50-5	74
5	Hexadecane	226 C16H34	000544-76-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
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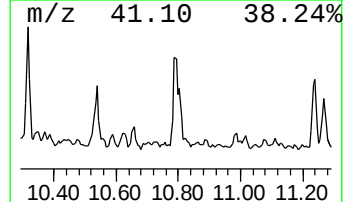
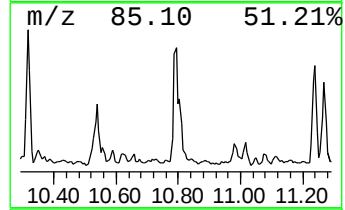
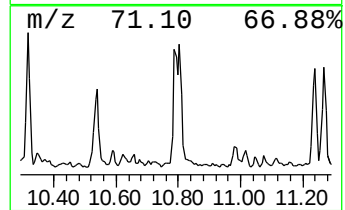
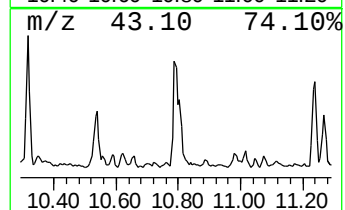
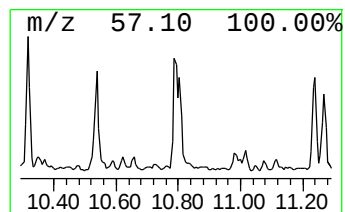
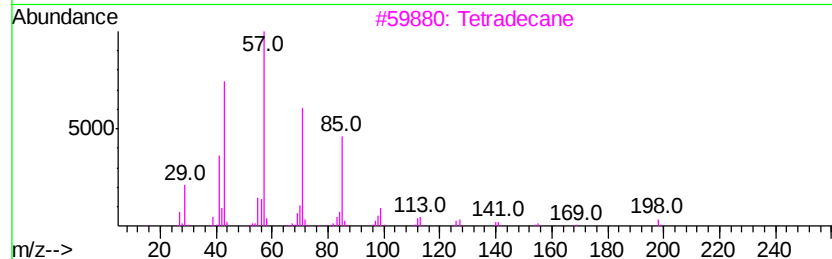
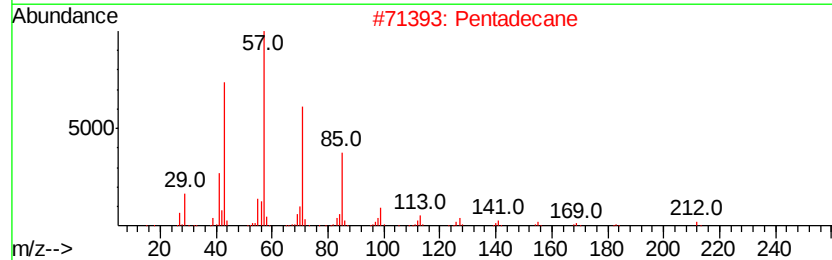
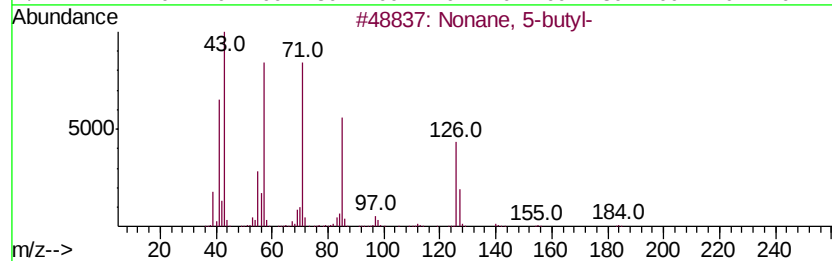
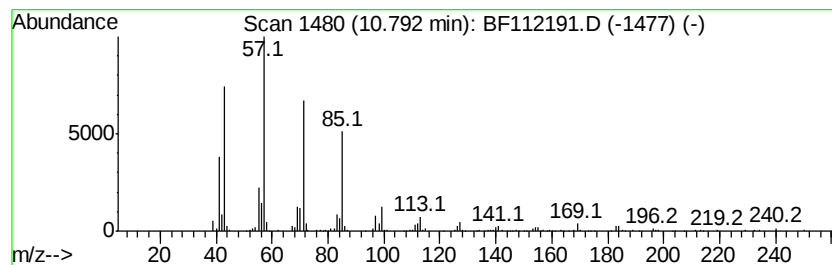
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Nonane, 5-butyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.79	8.71 ng	690142	Phenanthrene-d10		11.37
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-butyl-	184	C13H28	017312-63-9	94
2	Pentadecane	212	C15H32	000629-62-9	91
3	Tetradecane	198	C14H30	000629-59-4	91
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
5	Nonadecane	268	C19H40	000629-92-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
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Sample : K1013-05 5X
Misc :
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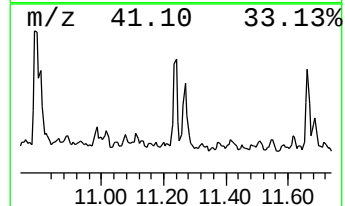
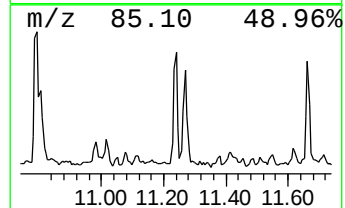
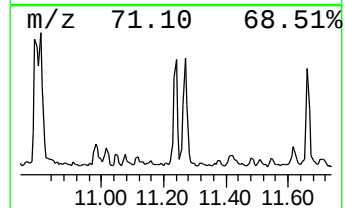
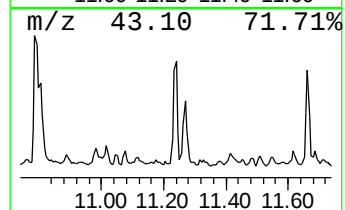
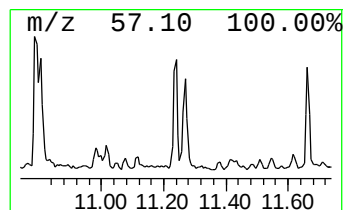
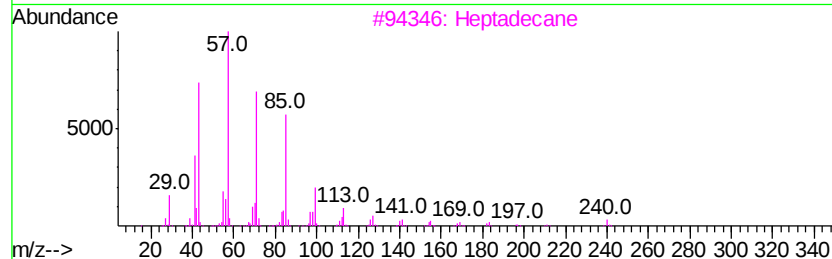
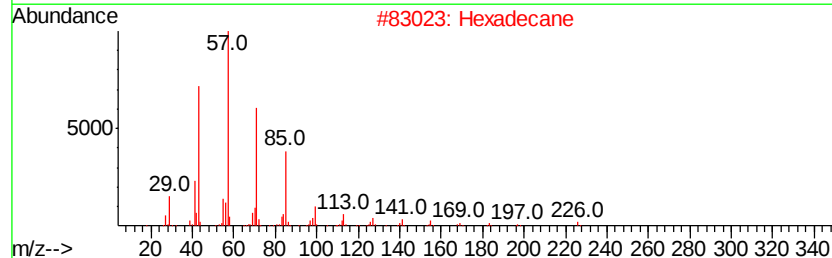
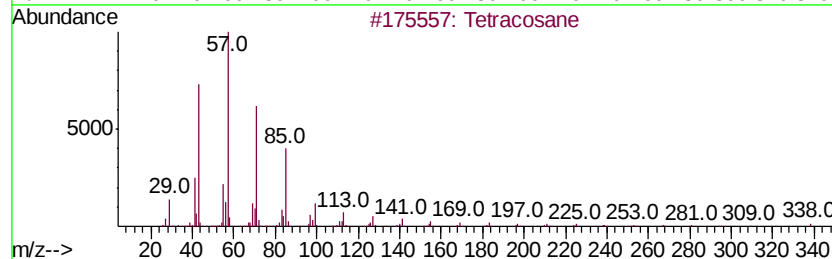
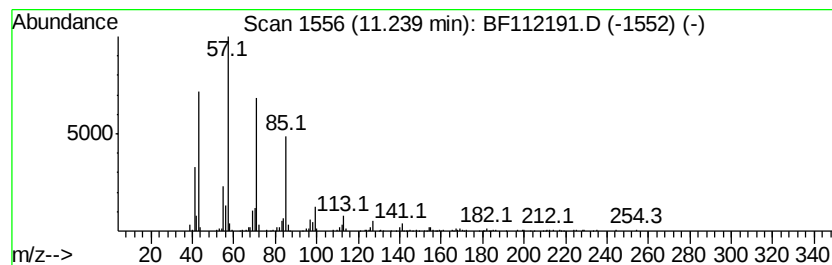
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Hexadecane, 7,9-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	4.09 ng	324128	Phenanthrene-d10	11.37
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetracosane	338 C24H50	000646-31-1 91
2		Hexadecane	226 C16H34	000544-76-3 91
3		Heptadecane	240 C17H36	000629-78-7 91
4		Tetradecane	198 C14H30	000629-59-4 91
5		Hexadecane, 7,9-dimethyl-	254 C18H38	021164-95-4 90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
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Sample : K1013-05 5X
Misc :
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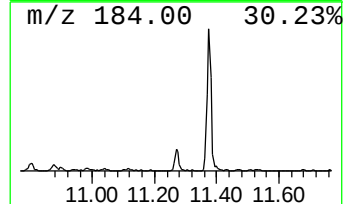
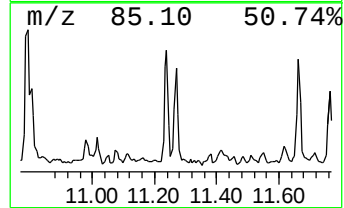
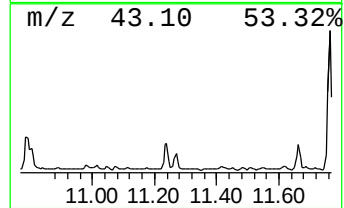
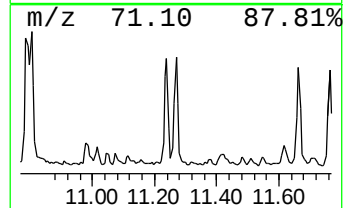
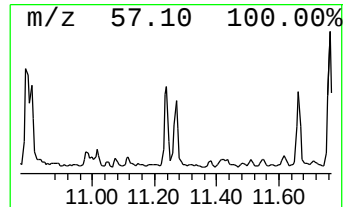
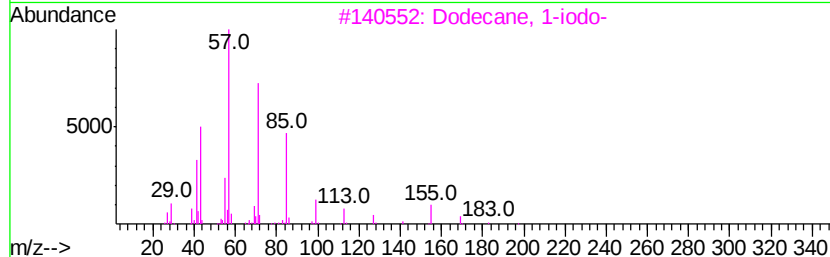
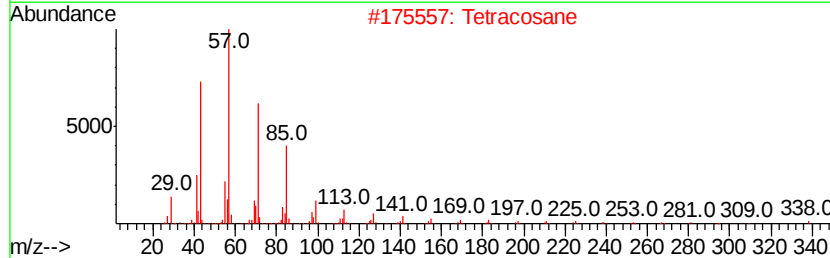
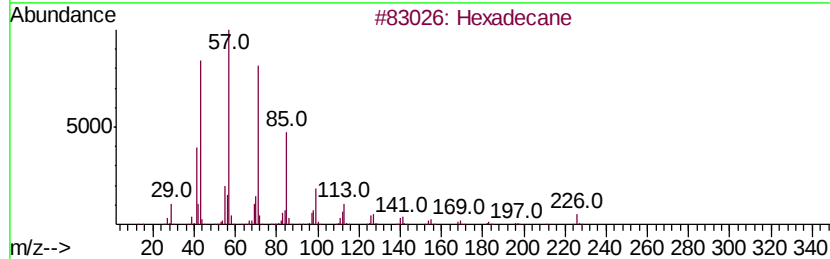
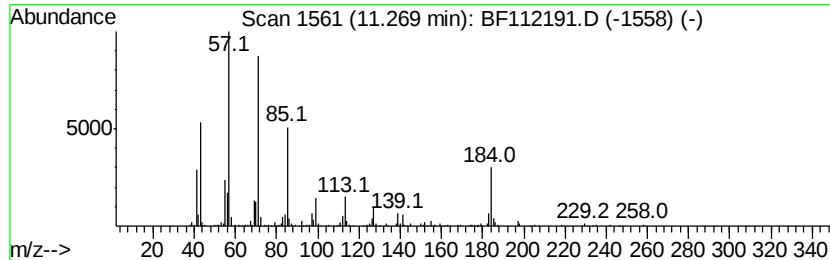
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	4.49 ng	356003	Phenanthrene-d10	11.37
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	87
2	Tetracosane	338 C24H50	000646-31-1	80
3	Dodecane, 1-iodo-	296 C12H25I	004292-19-7	80
4	Pentadecane, 4-methyl-	226 C16H34	002801-87-8	80
5	Hexadecane, 4-methyl-	240 C17H36	025117-26-4	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112191.D
Acq On : 22 Jan 2019 14:14
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

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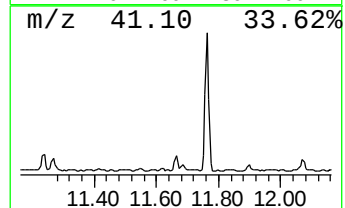
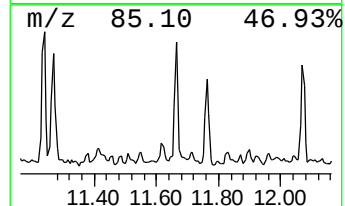
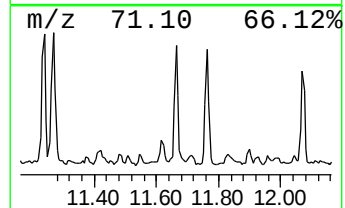
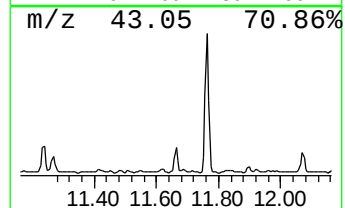
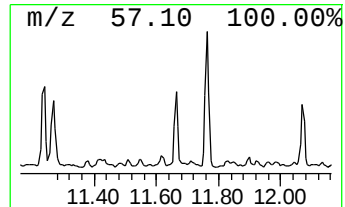
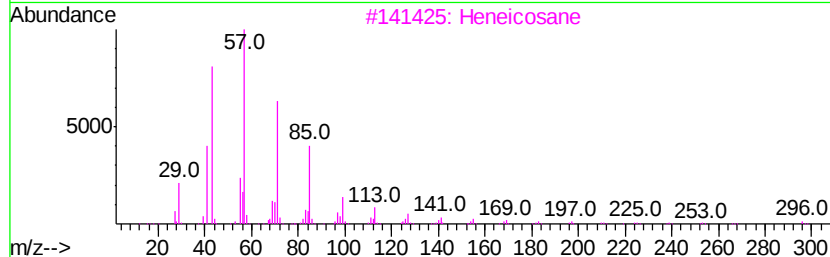
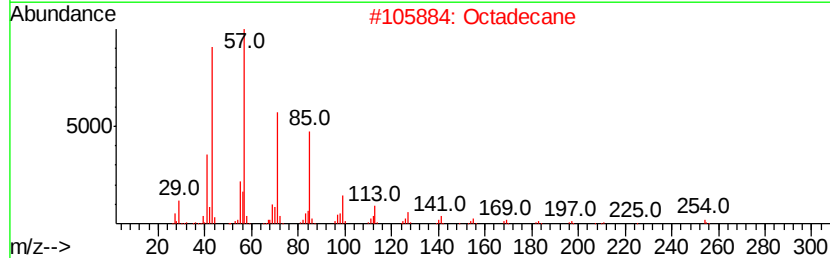
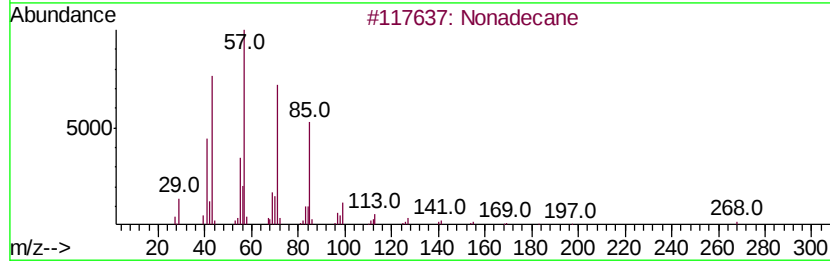
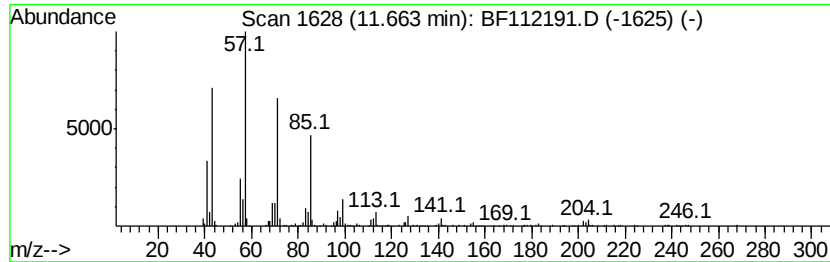
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Nonadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	3.43 ng	271778	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	95
2		Octadecane	254	C18H38	000593-45-3	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
5		Octacosane	394	C28H58	000630-02-4	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112191.D
Acq On : 22 Jan 2019 14:14
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-C

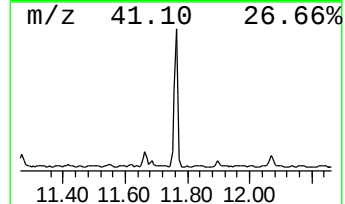
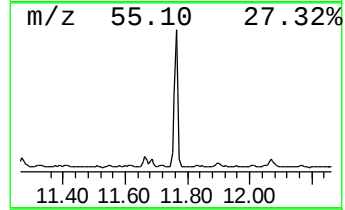
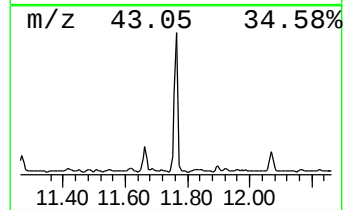
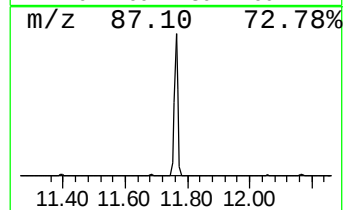
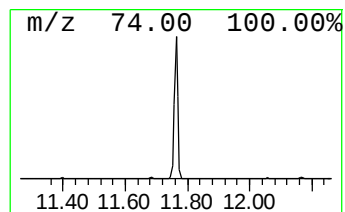
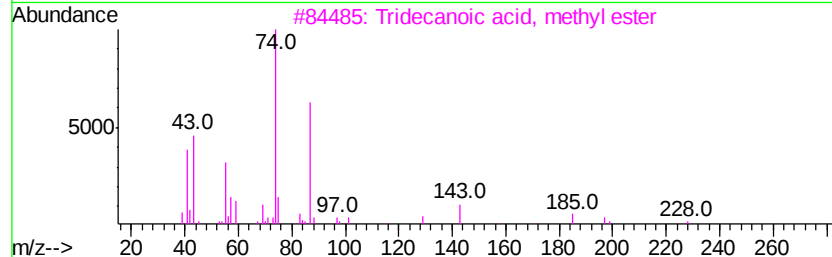
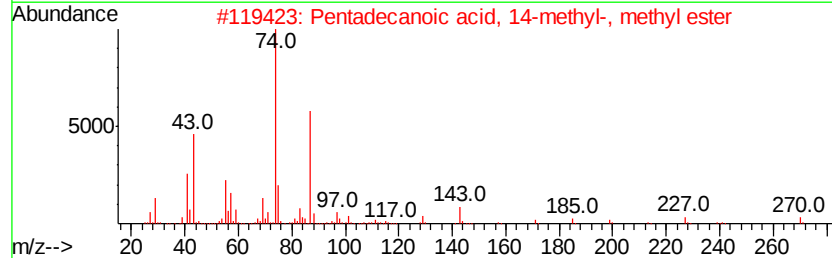
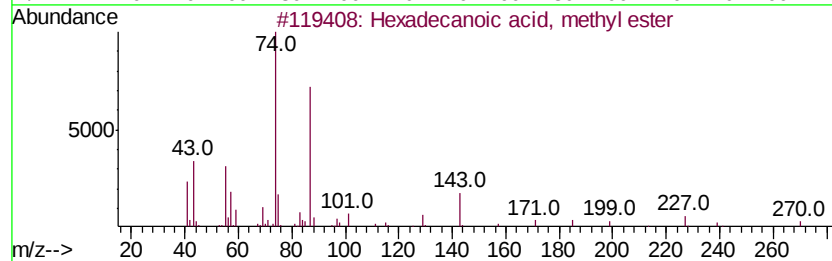
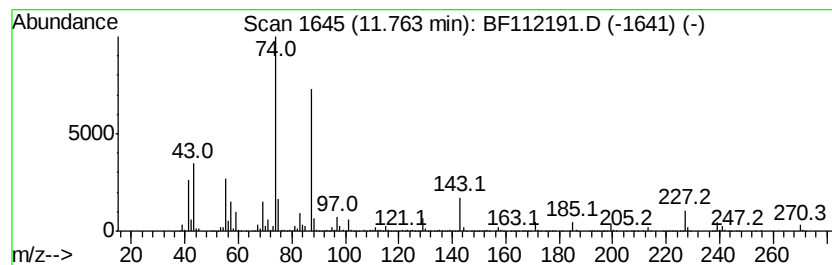
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	39.39 ng	3122780	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3		Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	87
4		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5		Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112191.D
Acq On : 22 Jan 2019 14:14
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

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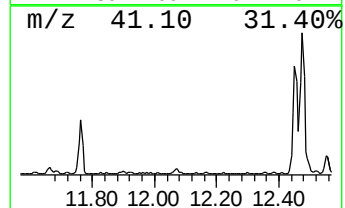
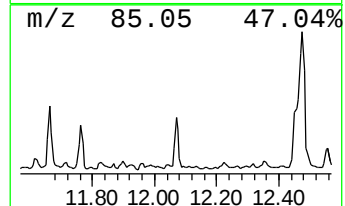
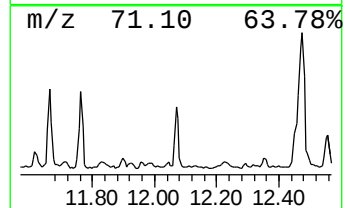
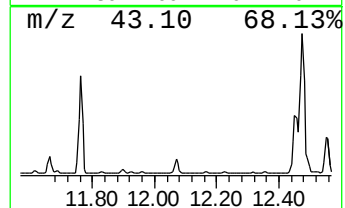
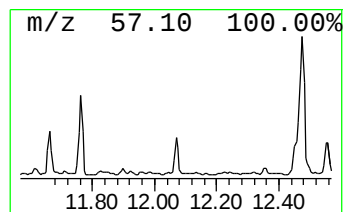
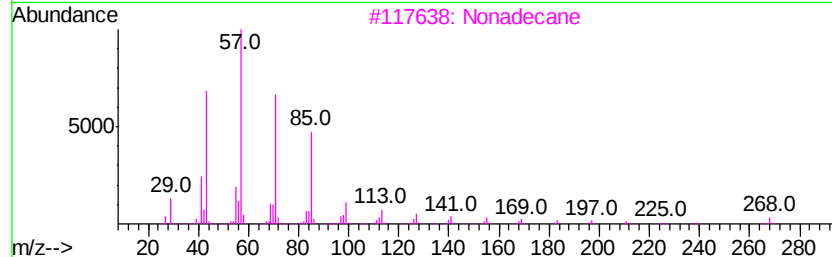
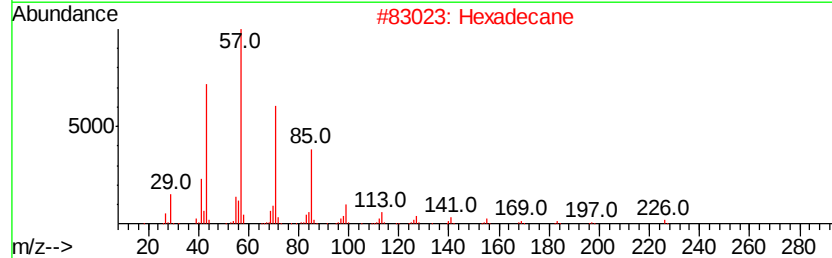
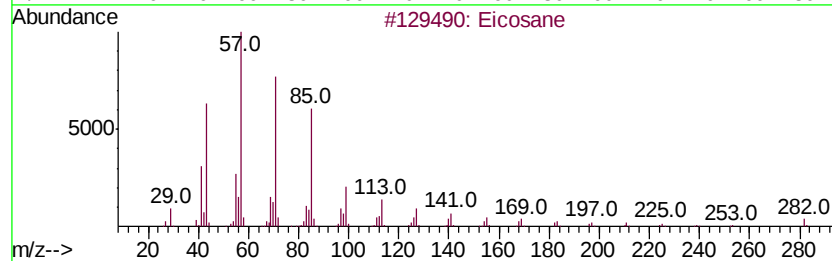
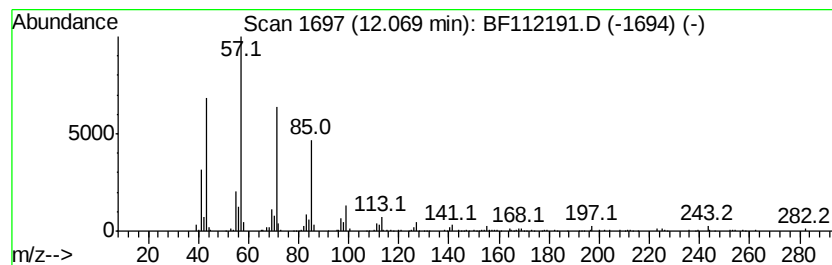
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Eicosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	3.22 ng	255291	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	97
2		Hexadecane	226	C16H34	000544-76-3	96
3		Nonadecane	268	C19H40	000629-92-5	91
4		Tetradecane	198	C14H30	000629-59-4	91
5		Octadecane	254	C18H38	000593-45-3	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112191.D
Acq On : 22 Jan 2019 14:14
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

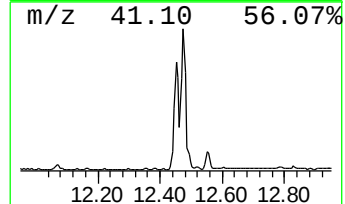
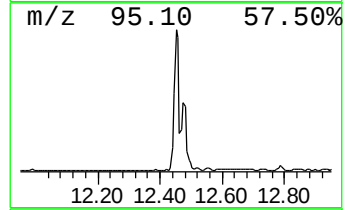
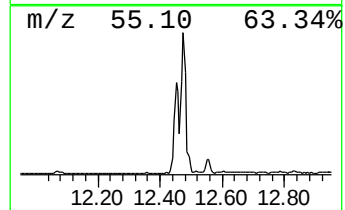
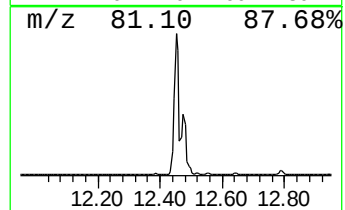
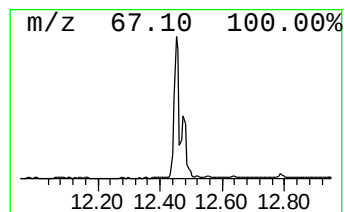
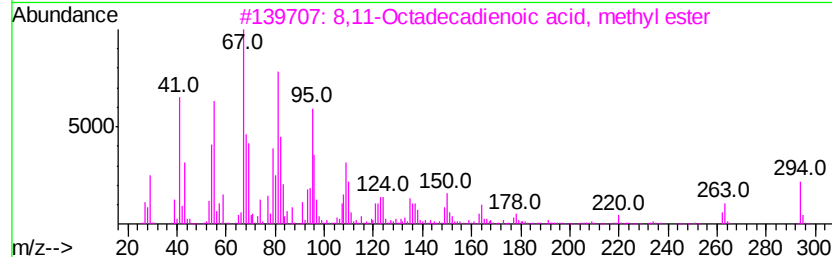
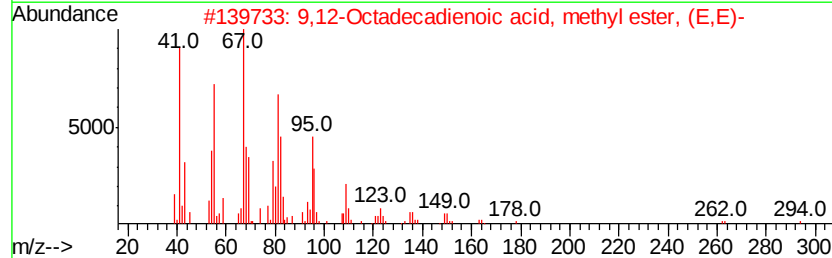
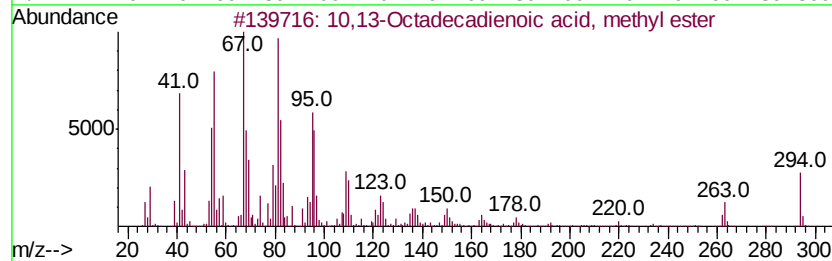
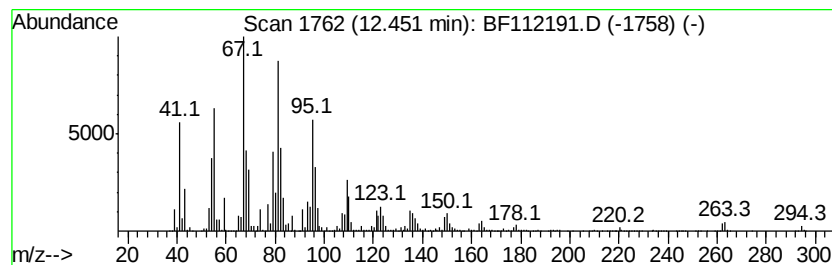
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 10,13-Octadecadienoic acid,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	108.82 ng	8627090	Phenanthrene-d10	11.37
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	10,13-Octadecadienoic acid, meth...	294 C19H34O2	056554-62-2	99
2	9,12-Octadecadienoic acid, methy...	294 C19H34O2	002566-97-4	99
3	8,11-Octadecadienoic acid, methv...	294 C19H34O2	056599-58-7	99
4	9,15-Octadecadienoic acid, methy...	294 C19H34O2	017309-05-6	99
5	9,12-Octadecadienoic acid, methy...	294 C19H34O2	002462-85-3	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
 Data File : BF112191.D
 Acq On : 22 Jan 2019 14:14
 Operator : JU/SJ
 Sample : K1013-05 5X
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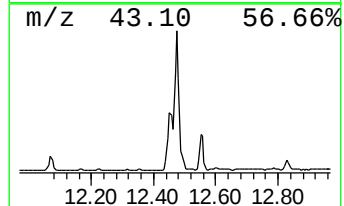
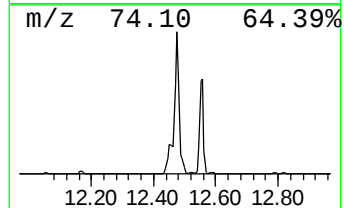
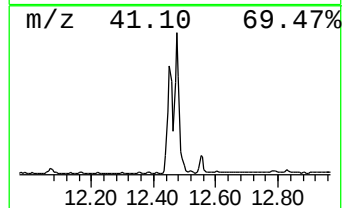
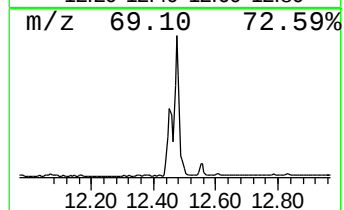
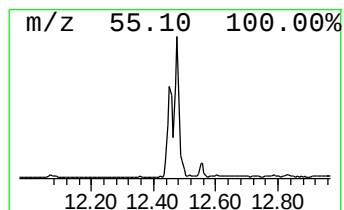
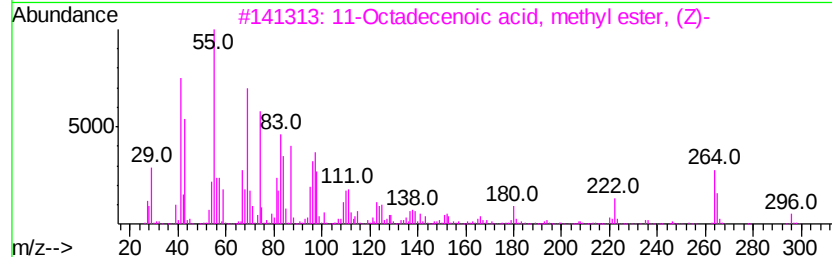
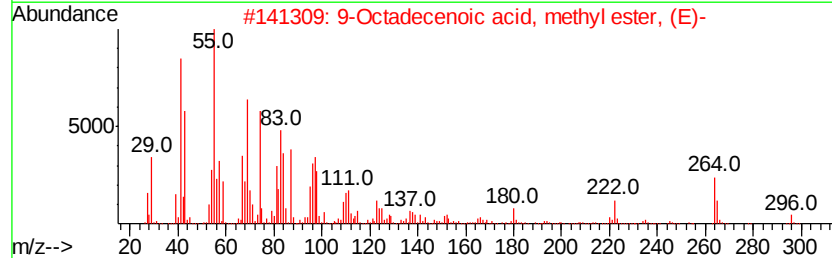
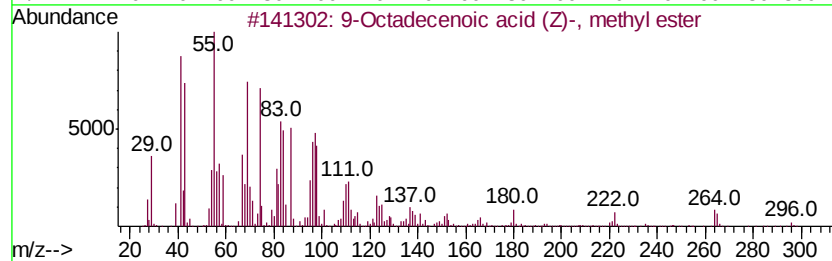
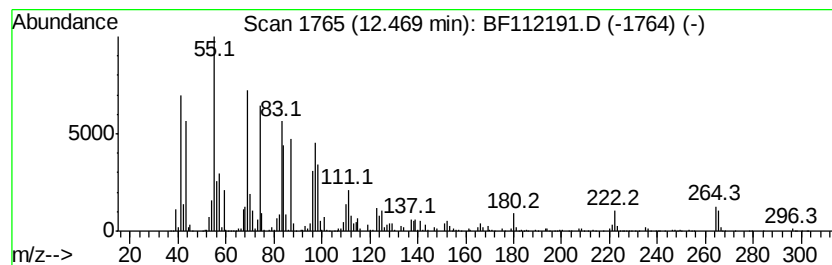
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 16 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	120.50 ng	9553310	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2		9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
3		11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
4		16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
5		14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112191.D
Acq On : 22 Jan 2019 14:14
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Misc :
ALS Vial : 5 Sample Multiplier: 1

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PL-01-011819-C

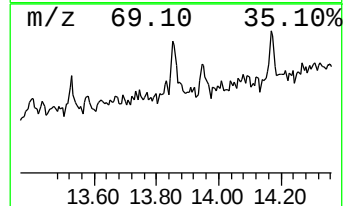
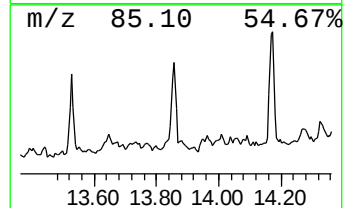
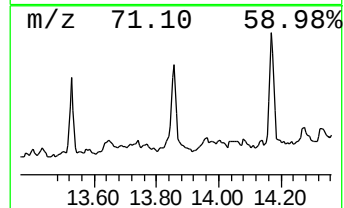
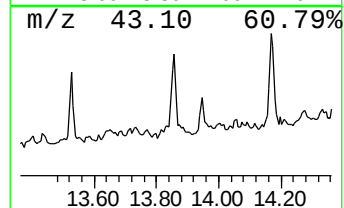
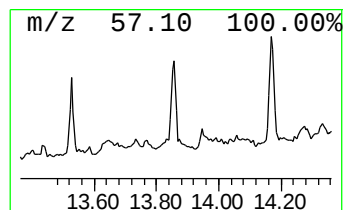
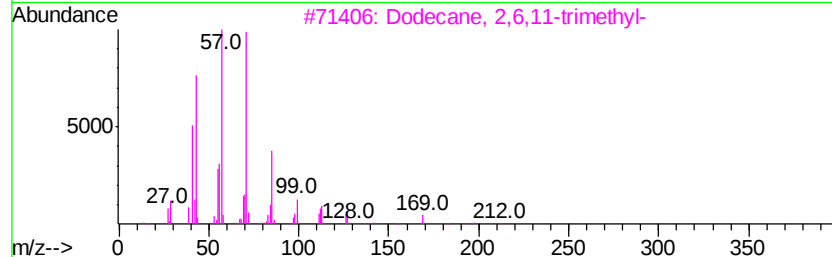
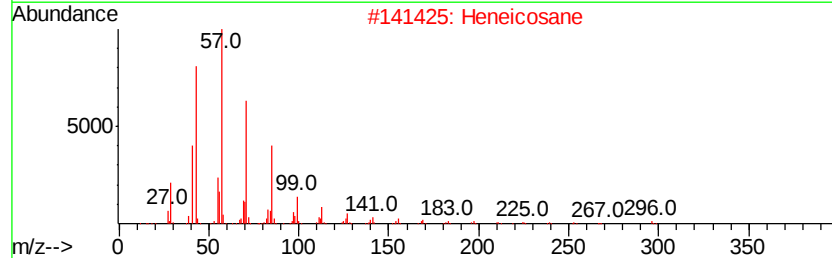
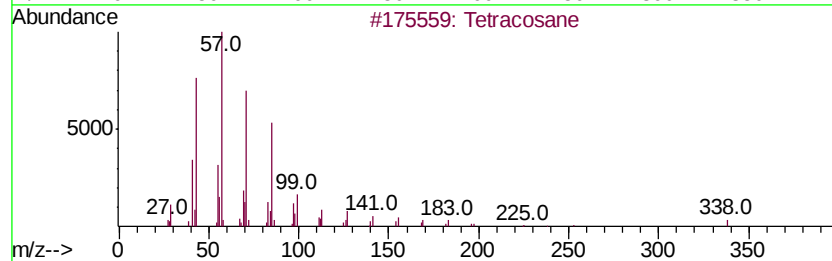
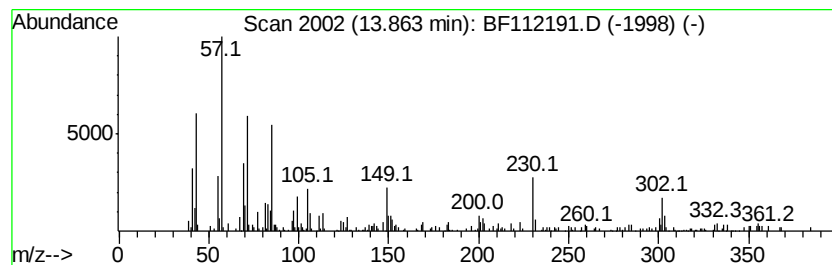
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Tetracosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	4.55 ng	388101	Chrysene-d12	14.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	97
2		Heneicosane	296	C21H44	000629-94-7	95
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	89
4		Pentacosane	352	C25H52	000629-99-2	87
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112191.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

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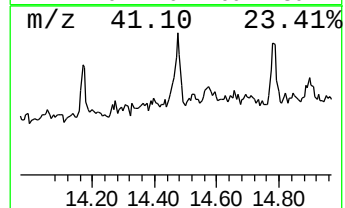
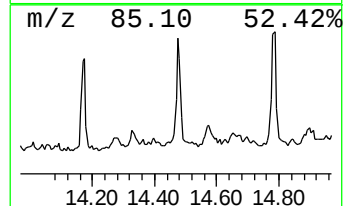
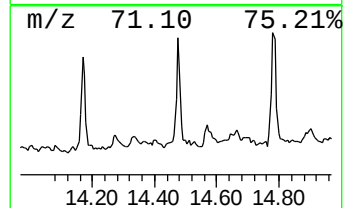
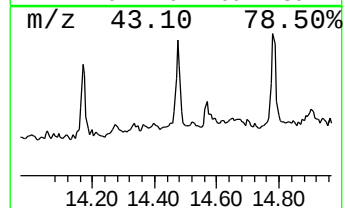
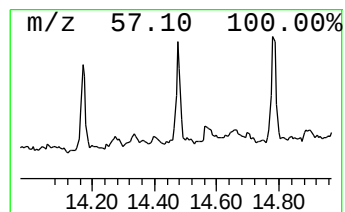
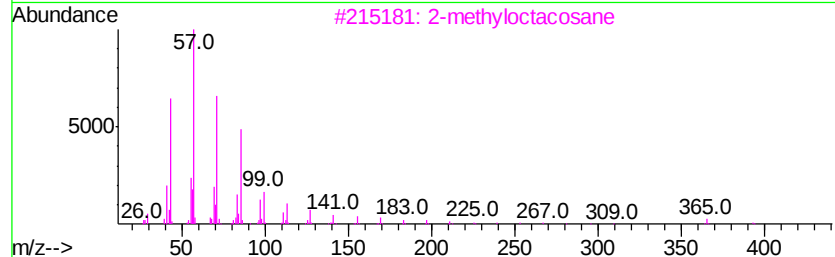
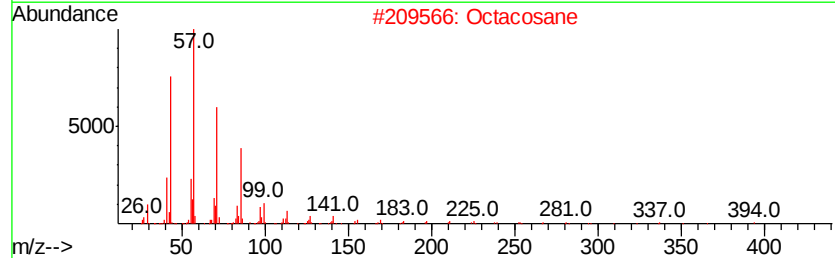
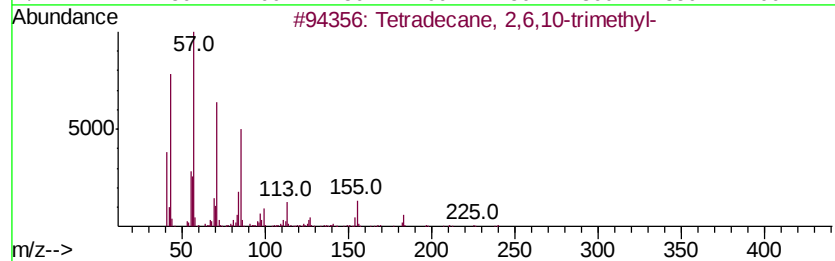
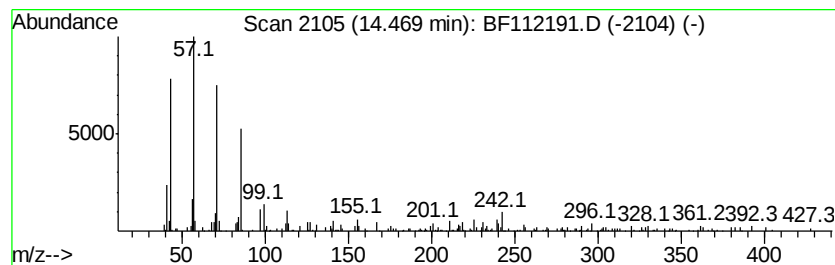
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Tetradecane, 2,6,10-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	3.47 ng	295984	Chrysene-d12	14.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	94
2		Octacosane	394	C28H58	000630-02-4	91
3		2-methyloctacosane	408	C29H60	1000376-72-8	90
4		Tetracosane	338	C24H50	000646-31-1	90
5		2-Bromotetradecane	276	C14H29Br	074036-95-6	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112191.D
Acq On : 22 Jan 2019 14:14
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

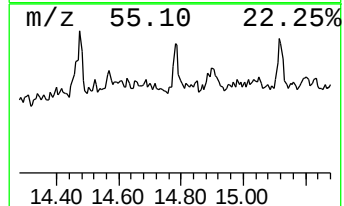
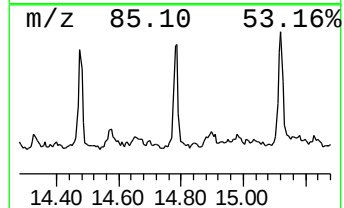
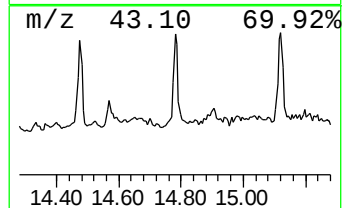
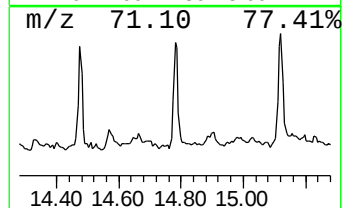
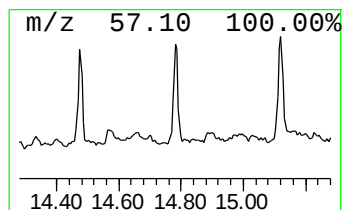
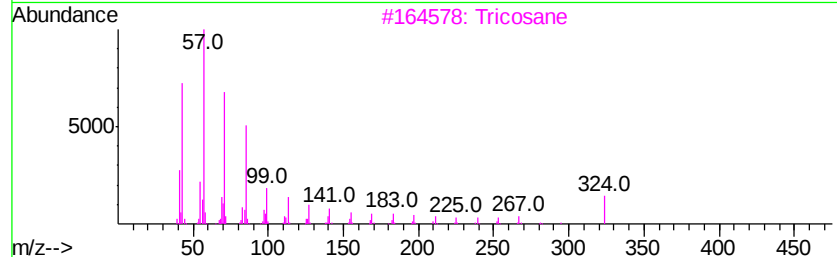
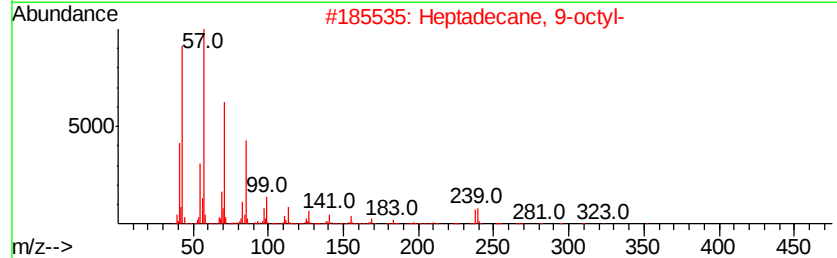
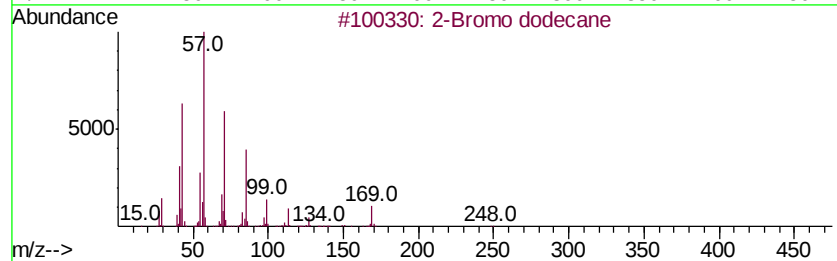
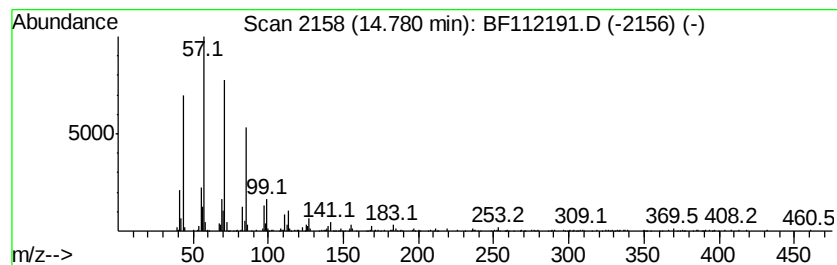
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 2-Bromo dodecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.78	3.43 ng	267468	Perylene-d12		15.49	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane		248	C12H25Br	013187-99-0	93
2	Heptadecane, 9-octyl-		352	C25H52	007225-64-1	91
3	Tricosane		324	C23H48	000638-67-5	91
4	Hexacosane		366	C26H54	000630-01-3	91
5	Heneicosane		296	C21H44	000629-94-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112191.D
Acq On : 22 Jan 2019 14:14
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-01-011819-C

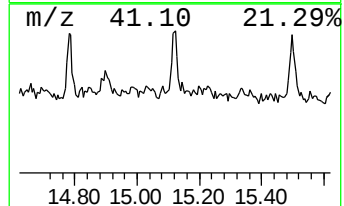
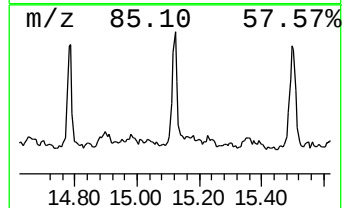
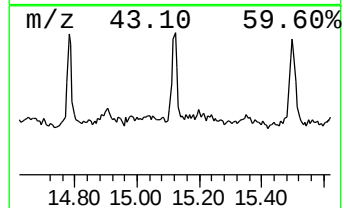
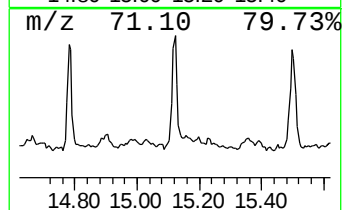
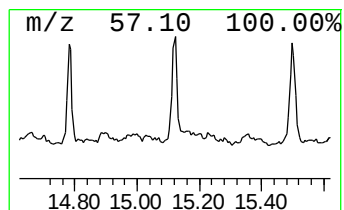
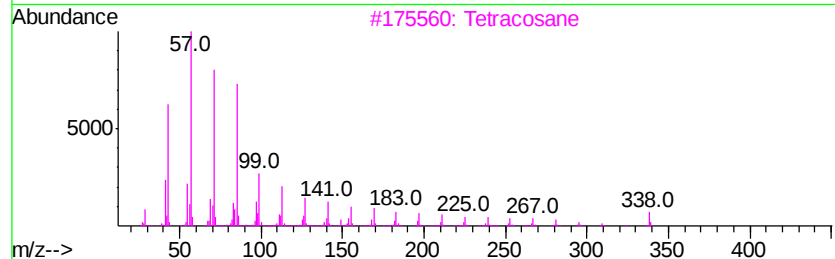
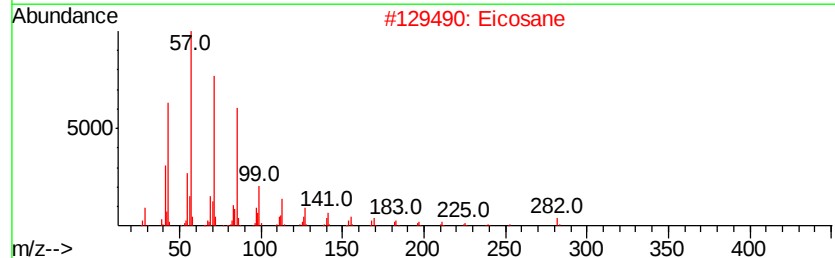
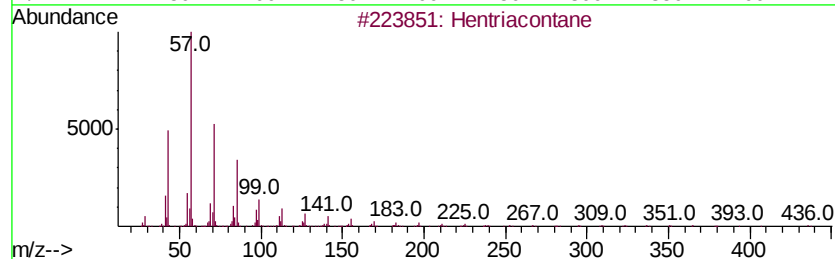
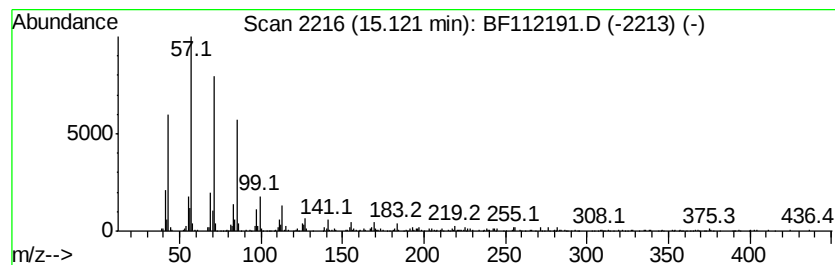
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Hentriacontane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	5.06 ng	394170	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hentriacontane	437	C31H64	000630-04-6	95
2		Eicosane	282	C20H42	000112-95-8	94
3		Tetracosane	338	C24H50	000646-31-1	94
4		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	91
5		2-methyloctacosane	408	C29H60	1000376-72-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012219\
 Data File : BF112191.D
 Acq On : 22 Jan 2019 14:14
 Operator : JU/SJ
 Sample : K1013-05 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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
unknown6.62	6.62	14.5	ng	1091540	1	6.85	1505500	20.0
Undecane, 3,6-dim...	8.20	3.3	ng	386284	2	8.13	2326050	20.0
10-Methylnonadecane	9.29	6.0	ng	559262	3	9.89	1871380	20.0
Tetradecane	9.61	5.8	ng	544400	3	9.89	1871380	20.0
Pentadecane	9.82	3.8	ng	359495	3	9.89	1871380	20.0
Tridecane, 1-iodo-	10.32	4.0	ng	374968	3	9.89	1871380	20.0
Undecane	10.54	4.1	ng	382638	3	9.89	1871380	20.0
Nonane, 5-butyl-	10.79	8.7	ng	690142	4	11.37	1585610	20.0
Hexadecane, 7,9-d...	11.24	4.1	ng	324128	4	11.37	1585610	20.0
Hexadecane	11.27	4.5	ng	356003	4	11.37	1585610	20.0
Nonadecane	11.66	3.4	ng	271778	4	11.37	1585610	20.0
Hexadecanoic acid...	11.76	39.4	ng	3122780	4	11.37	1585610	20.0
Eicosane	12.07	3.2	ng	255291	4	11.37	1585610	20.0
10,13-Octadecadie...	12.45	108.8	ng	8627090	4	11.37	1585610	20.0
9-Octadecenoic ac...	12.47	120.5	ng	9553310	4	11.37	1585610	20.0
Tetracosane	13.86	4.5	ng	388101	5	14.02	1706460	20.0
Tetradecane, 2,6,...	14.47	3.5	ng	295984	5	14.02	1706460	20.0
2-Bromo dodecane	14.78	3.4	ng	267468	6	15.49	1557430	20.0
Hentriacontane	15.12	5.1	ng	394170	6	15.49	1557430	20.0