

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
 Data File : BF107377.D
 Acq On : 13 Jul 2018 19:42
 Operator : JU/SJ
 Sample : J3944-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-WEST

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-BF061918.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	5.578	547	551	563	rBV	69991	102554	5.86%	0.705%
2	6.584	719	722	735	rBV	66517	113624	6.49%	0.781%
3	6.713	741	744	748	rBV	95606	105131	6.01%	0.723%
4	6.931	777	781	786	rBV	269616	258479	14.77%	1.777%
5	7.084	803	807	818	rBV	109032	94990	5.43%	0.653%
6	7.495	874	877	883	rBV	55664	63690	3.64%	0.438%
7	7.560	885	888	899	rVB	31114	39047	2.23%	0.268%
8	7.960	953	956	963	rBV	19013	27097	1.55%	0.186%
9	8.213	995	999	1011	rBV	353494	334709	19.13%	2.301%
10	8.566	1056	1059	1064	rBV	44676	50852	2.91%	0.350%
11	9.013	1131	1135	1145	rBV2	24880	54578	3.12%	0.375%
12	9.131	1153	1155	1162	rVB2	17413	23846	1.36%	0.164%
13	9.284	1178	1181	1184	rBV	155180	132940	7.60%	0.914%
14	9.348	1189	1192	1195	rVB	49681	38899	2.22%	0.267%
15	9.525	1219	1222	1225	rBV	20754	22197	1.27%	0.153%
16	9.631	1237	1240	1243	rBV2	16512	22691	1.30%	0.156%
17	9.666	1243	1246	1253	rVB3	51223	85791	4.90%	0.590%
18	9.725	1253	1256	1259	rBV2	29989	29858	1.71%	0.205%
19	9.842	1273	1276	1279	rBV3	28814	26188	1.50%	0.180%
20	9.878	1279	1282	1287	rVB	126713	109090	6.23%	0.750%
21	9.978	1295	1299	1302	rVV	394685	348078	19.89%	2.392%
22	10.007	1302	1304	1311	rVB	56951	57128	3.26%	0.393%
23	10.142	1324	1327	1329	rVB2	24890	22468	1.28%	0.154%
24	10.183	1329	1334	1336	rBV	132277	154438	8.82%	1.062%
25	10.289	1349	1352	1354	rBV2	23660	22996	1.31%	0.158%
26	10.319	1354	1357	1360	rBV3	30278	32565	1.86%	0.224%
27	10.383	1364	1368	1370	rVV	363956	308010	17.60%	2.117%
28	10.407	1370	1372	1375	rVB2	28768	31204	1.78%	0.214%
29	10.442	1375	1378	1380	rBV2	21446	23400	1.34%	0.161%
30	10.531	1388	1393	1399	rBV3	59798	78440	4.48%	0.539%
31	10.601	1401	1405	1408	rBV	317401	323340	18.48%	2.222%
32	10.654	1412	1414	1417	rBV3	63845	68092	3.89%	0.468%
33	10.683	1417	1419	1424	rBV3	102580	123278	7.04%	0.847%
34	10.725	1424	1426	1430	rBV2	125040	102950	5.88%	0.708%

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

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

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.778	1430	1435	1440	rBV6	129079	241855	13.82%	1.662%
36	10.866	1446	1450	1454	rBV2	1106291	1750078	100.00%	12.029%
37	10.936	1459	1462	1463	rBV2	81010	76878	4.39%	0.528%
38	11.007	1471	1474	1477	rBV2	74848	88707	5.07%	0.610%
39	11.054	1479	1482	1484	rVV	238544	267548	15.29%	1.839%
40	11.083	1485	1487	1490	rVB	236067	239868	13.71%	1.649%
41	11.119	1491	1493	1495	rBV2	139849	124601	7.12%	0.856%
42	11.148	1495	1498	1501	rBV	219300	182800	10.45%	1.256%
43	11.183	1501	1504	1506	rBV2	225729	257972	14.74%	1.773%
44	11.207	1506	1508	1510	rVB	188523	140254	8.01%	0.964%
45	11.319	1523	1527	1529	rBV	1240751	1500655	85.75%	10.315%
46	11.348	1529	1532	1534	rVV	1041662	1045130	59.72%	7.184%
47	11.372	1534	1536	1538	rVB2	188089	161123	9.21%	1.107%
48	11.401	1538	1541	1547	rVB4	165670	284322	16.25%	1.954%
49	11.454	1547	1550	1552	rBV	284609	328232	18.76%	2.256%
50	11.483	1552	1555	1556	rVV2	338195	366123	20.92%	2.517%
51	11.507	1556	1559	1562	rVB	764900	798333	45.62%	5.487%
52	11.566	1567	1569	1571	rBV2	201940	169695	9.70%	1.166%
53	11.589	1571	1573	1577	rBV	341318	338203	19.33%	2.325%
54	11.630	1577	1580	1583	rBV3	444043	477555	27.29%	3.282%
55	11.666	1584	1586	1589	rBV	337840	341716	19.53%	2.349%
56	11.701	1589	1592	1595	rBV	503197	579597	33.12%	3.984%
57	11.760	1597	1602	1605	rVV	910412	1354882	77.42%	9.313%

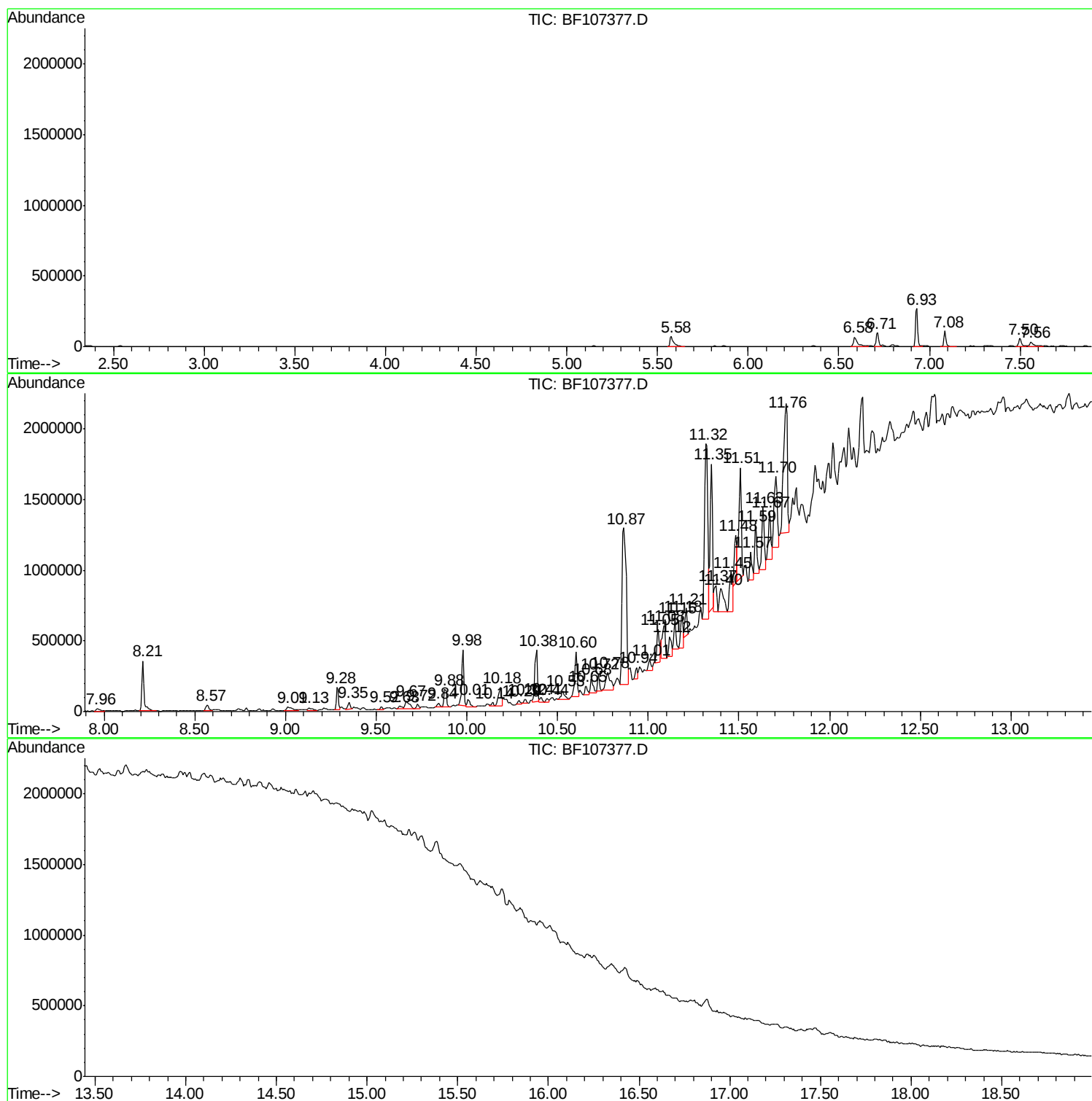
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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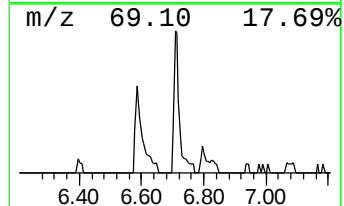
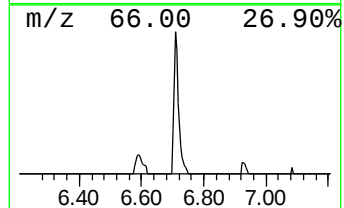
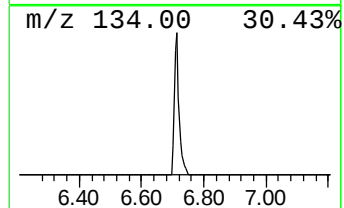
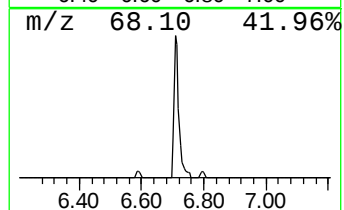
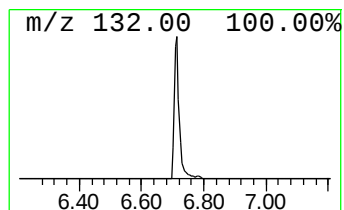
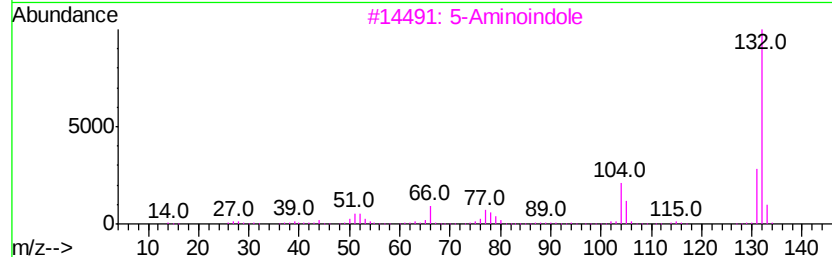
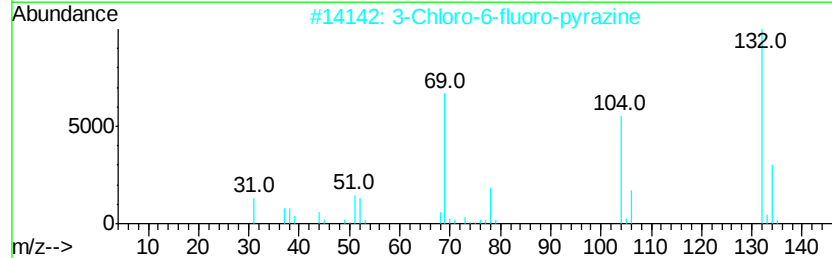
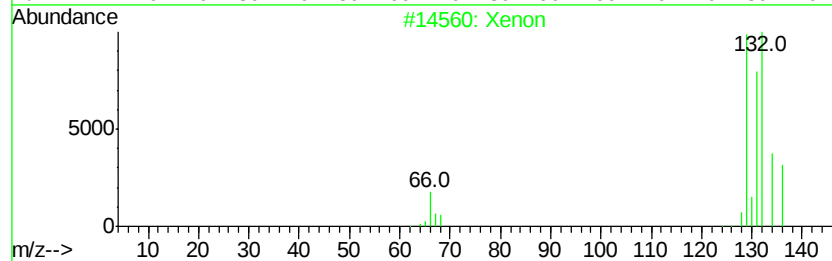
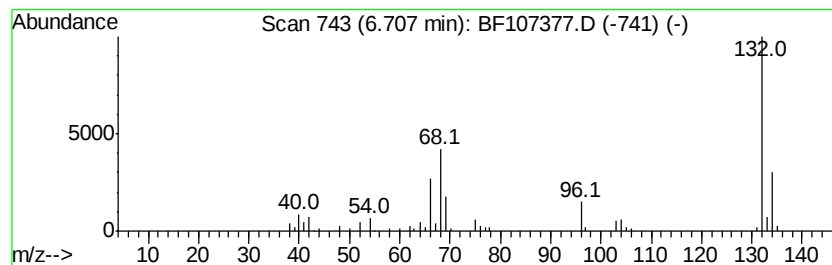
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.71 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	8.13 ng	105131	1,4-Dichlorobenzene-d4	6.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Xenon	132	Xe	007440-63-3	45
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3		5-Aminoindole	132	C8H8N2	005192-03-0	10
4		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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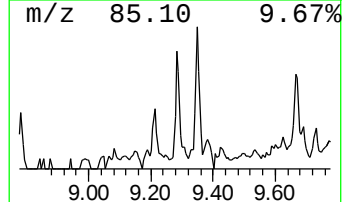
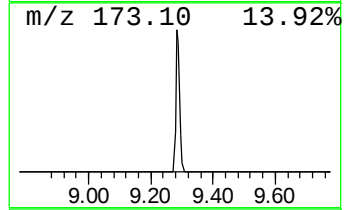
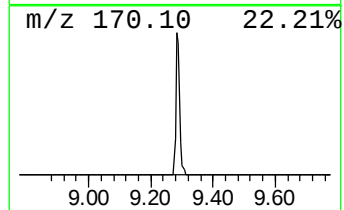
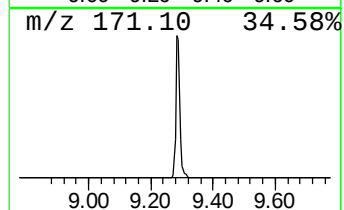
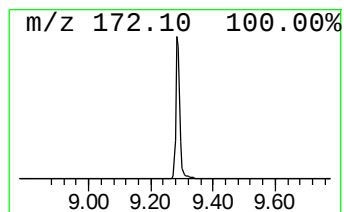
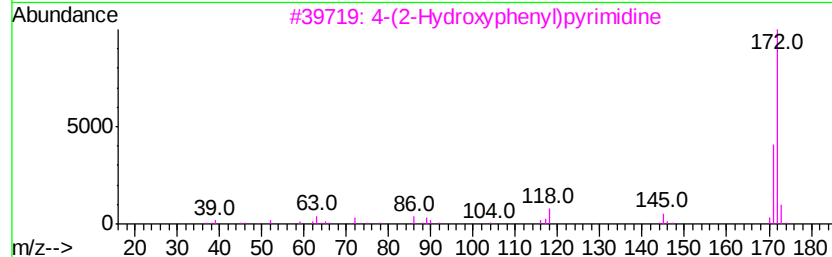
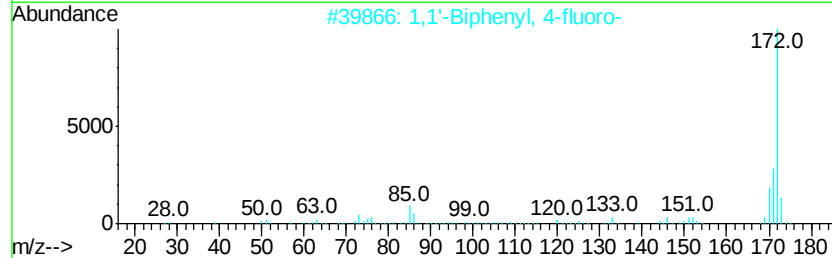
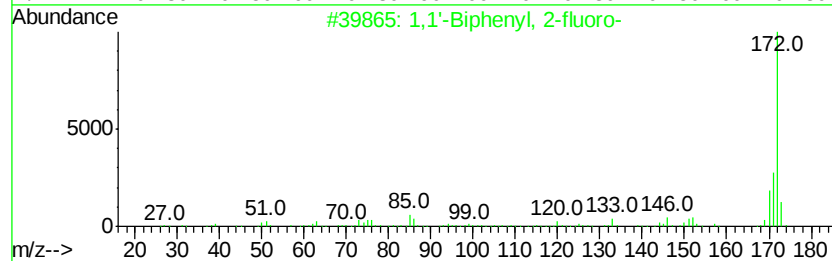
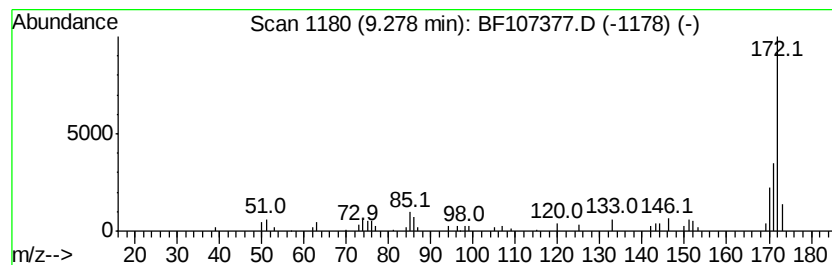
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 1,1'-Biphenyl, 2-fluoro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.28	7.64 ng	132940	Acenaphthene-d10	9.98	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-fluoro-	172	C12H9F	000321-60-8	96
2	1,1'-Biphenyl, 4-fluoro-	172	C12H9F	000324-74-3	93
3	4-(2-Hydroxyphenyl)pyrimidine	172	C10H8N2O	068535-55-7	53
4	4-Pyrimidinol, 5-phenyl-	172	C10H8N2O	022433-69-8	40
5	N-(tert-Butyldimethylsilyl)hepta...	229	C13H31NSi	1000373-19-1	37



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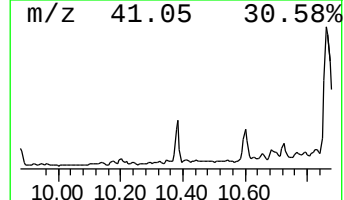
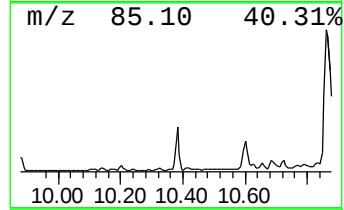
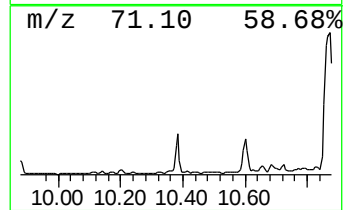
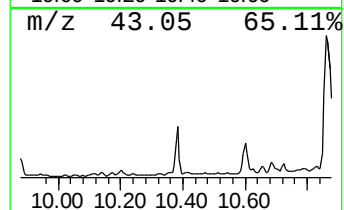
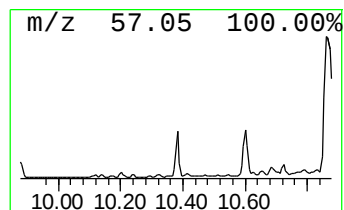
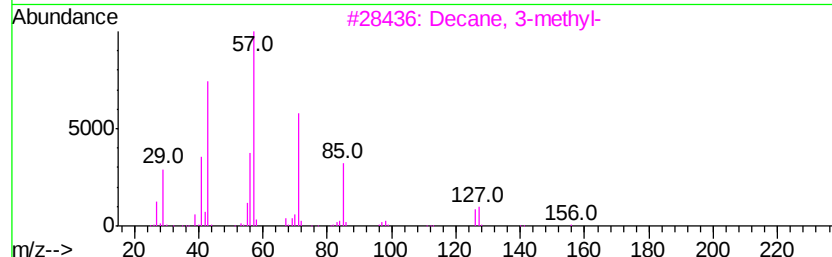
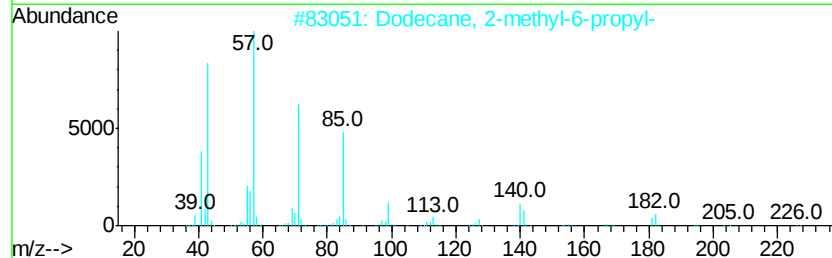
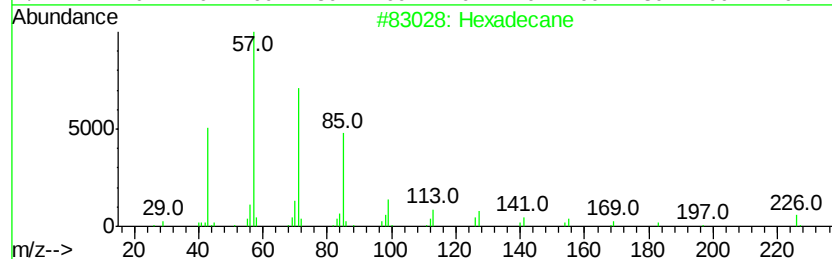
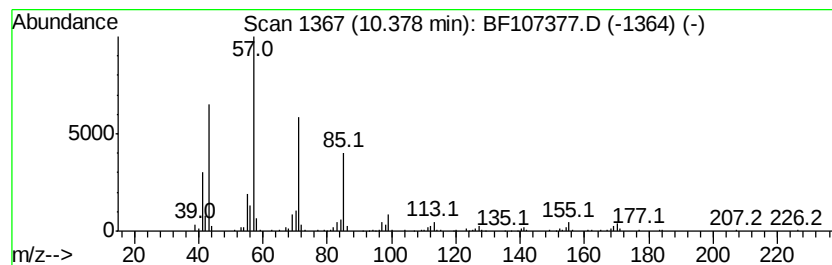
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	17.70 ng	308010	Acenaphthene-d10	9.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	93
2		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
3		Decane, 3-methyl-	156	C11H24	013151-34-3	74
4		Nonadecane, 9-methyl-	282	C20H42	013287-24-6	72
5		Tetradecane	198	C14H30	000629-59-4	72



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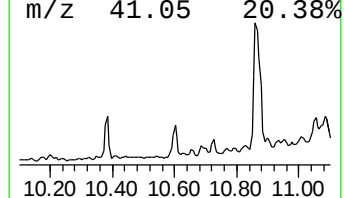
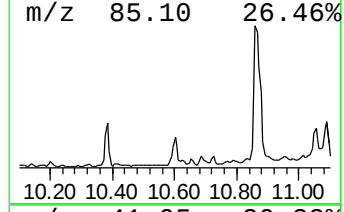
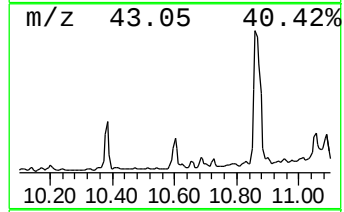
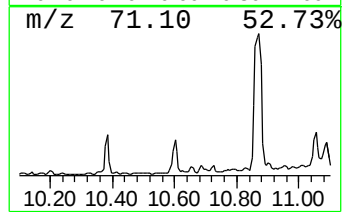
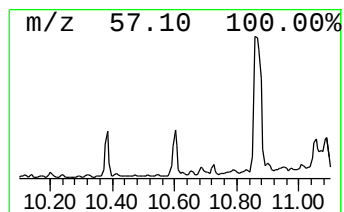
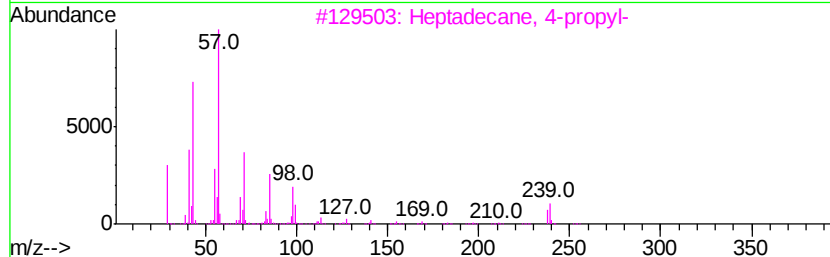
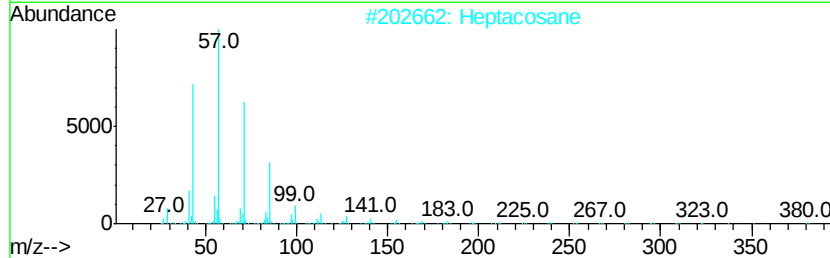
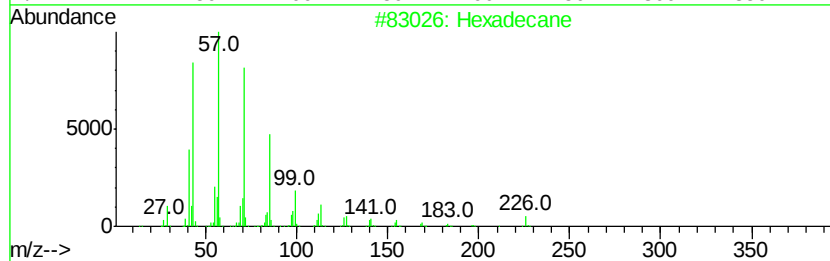
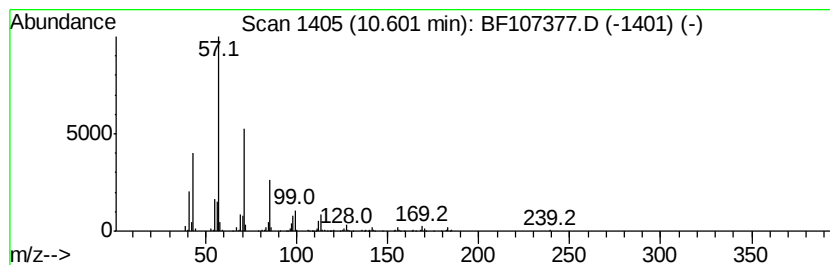
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Heptacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	18.58 ng	323340	Acenaphthene-d10	9.98

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	87
2	Heptacosane		380	C27H56	000593-49-7	87
3	Heptadecane, 4-propyl-		282	C20H42	055044-10-5	86
4	Eicosane		282	C20H42	000112-95-8	86
5	Decane, 3,6-dimethyl-		170	C12H26	017312-53-7	81



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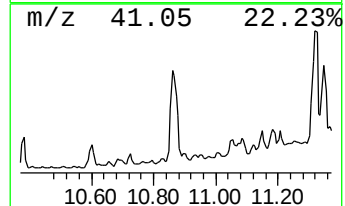
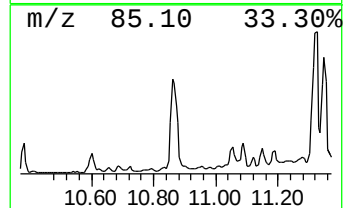
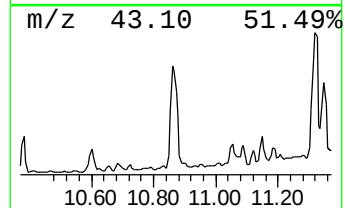
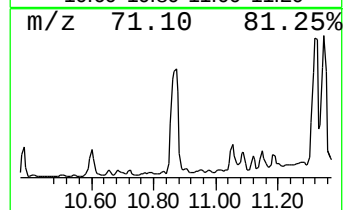
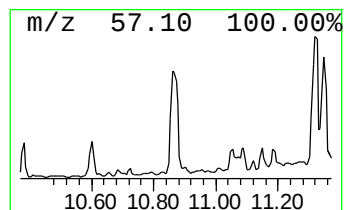
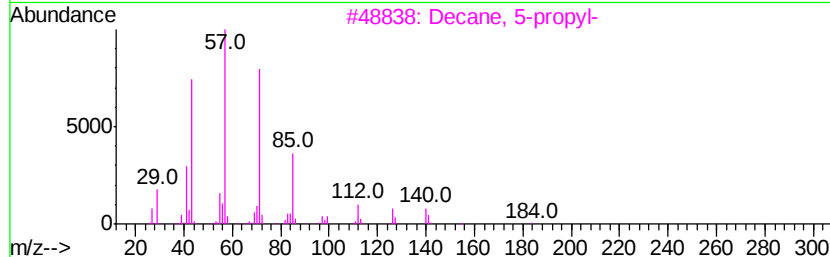
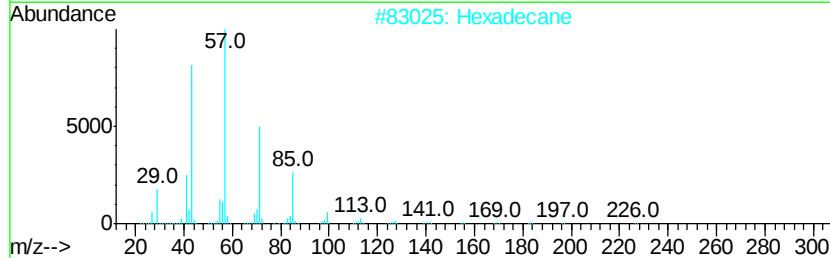
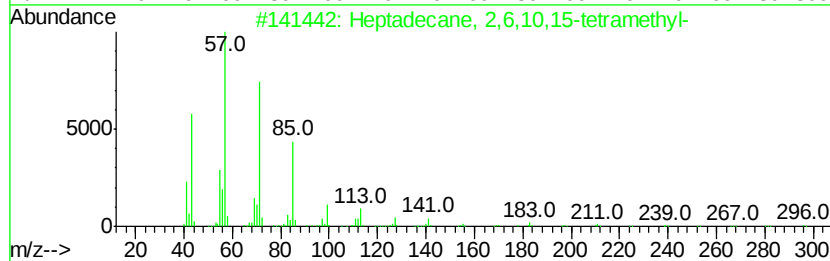
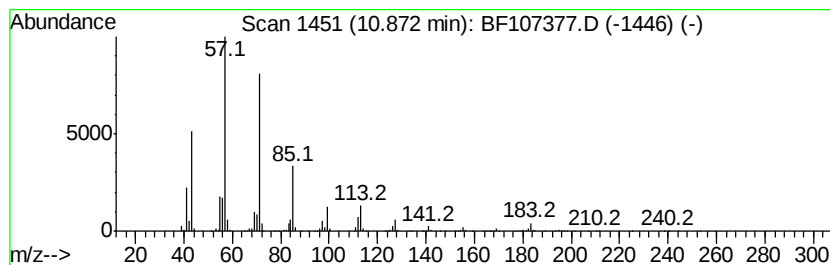
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Heptadecane, 2,6,10,15-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	95.60 ng	1750080	Phenanthrene-d10	11.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2		Hexadecane	226	C16H34	000544-76-3	90
3		Decane, 5-propyl-	184	C13H28	017312-62-8	87
4		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5		Hexadecane, 7-methyl-	240	C17H36	026730-20-1	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107377.D
Acq On : 13 Jul 2018 19:42
Operator : JU/SJ
Sample : J3944-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

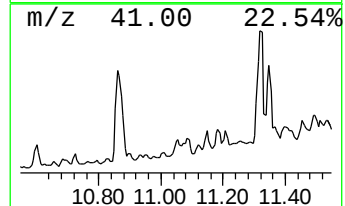
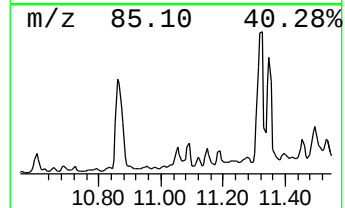
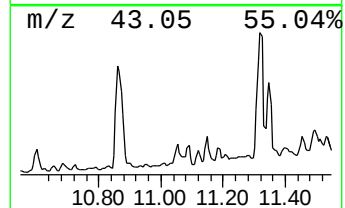
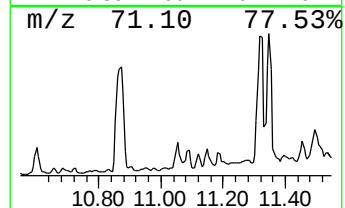
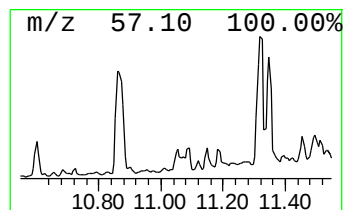
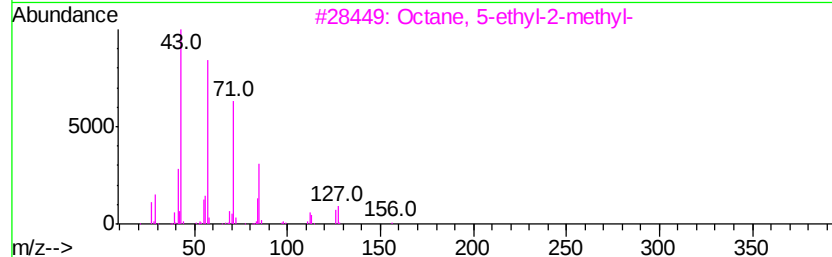
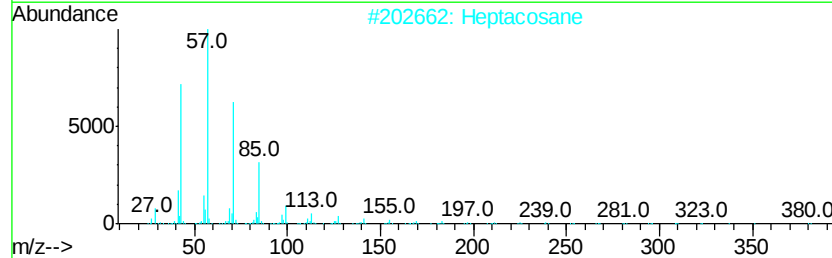
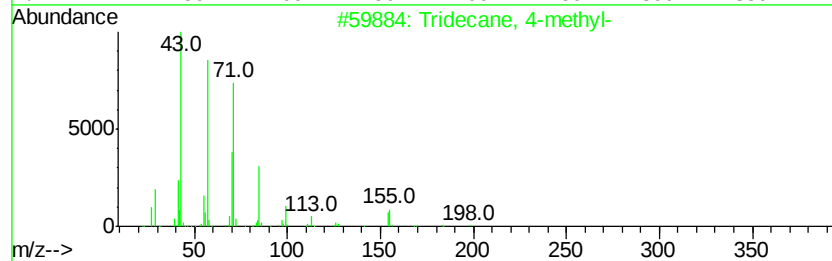
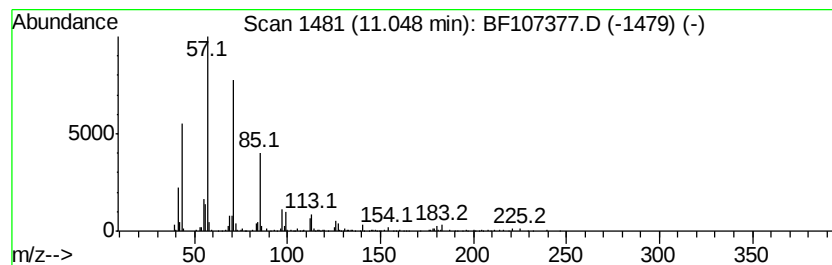
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ClientSampleId :
FOUNDRY-WEST

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tridecane, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.05	14.62 ng	267548	Phenanthrene-d10		11.48
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 4-methyl-	198	C14H30	026730-12-1	87
2	Heptacosane	380	C27H56	000593-49-7	83
3	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	80
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
5	Decane, 5-propyl-	184	C13H28	017312-62-8	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
 Data File : BF107377.D
 Acq On : 13 Jul 2018 19:42
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 Misc :
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Instrument :
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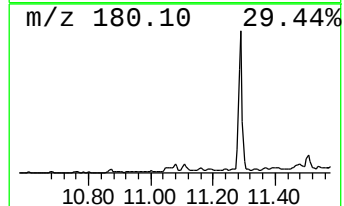
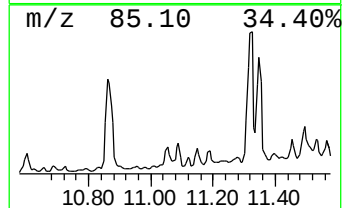
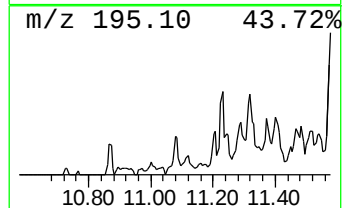
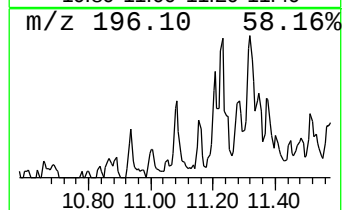
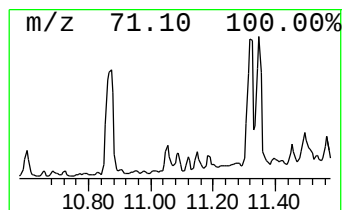
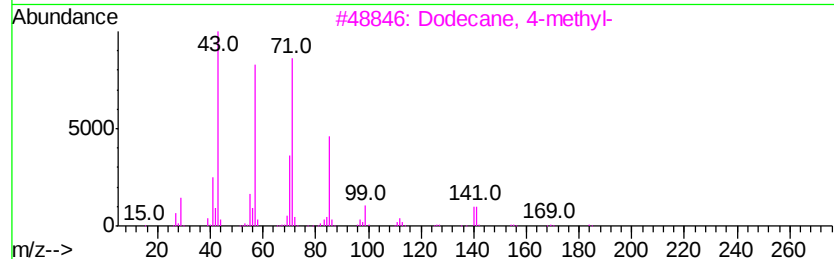
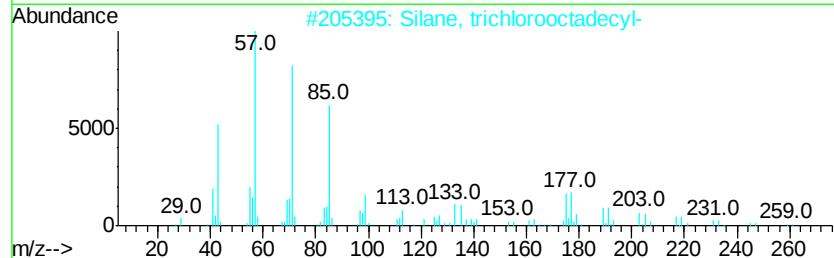
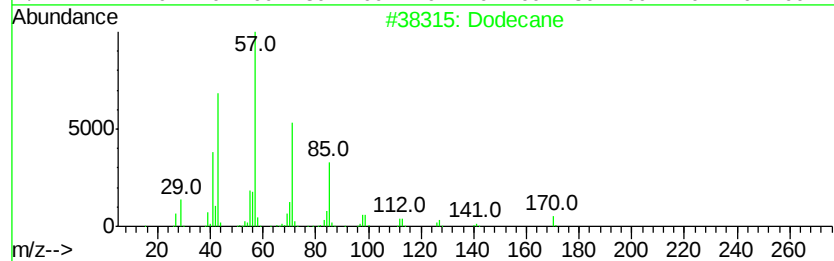
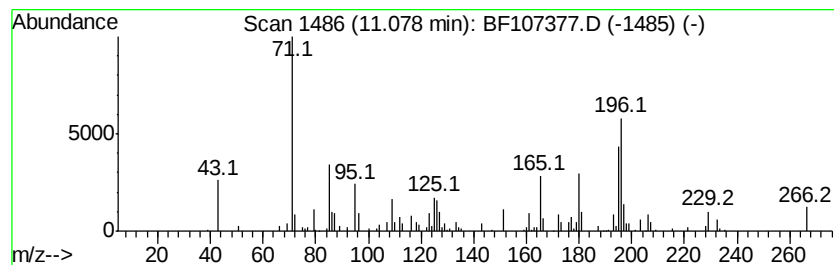
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 7 Dodecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	13.10 ng	239868	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	87
2		Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	72
3		Dodecane, 4-methyl-	184	C13H28	006117-97-1	47
4		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	43
5		Nonane, 1-iodo-	254	C9H19I	004282-42-2	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
 Data File : BF107377.D
 Acq On : 13 Jul 2018 19:42
 Operator : JU/SJ
 Sample : J3944-01 5X
 Misc :
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Instrument :
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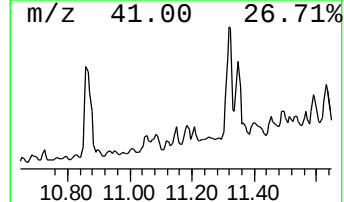
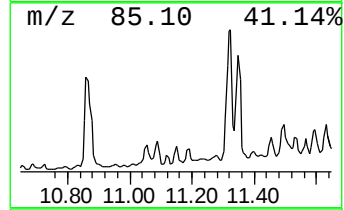
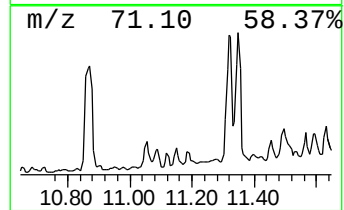
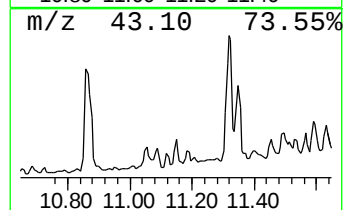
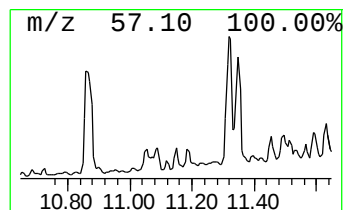
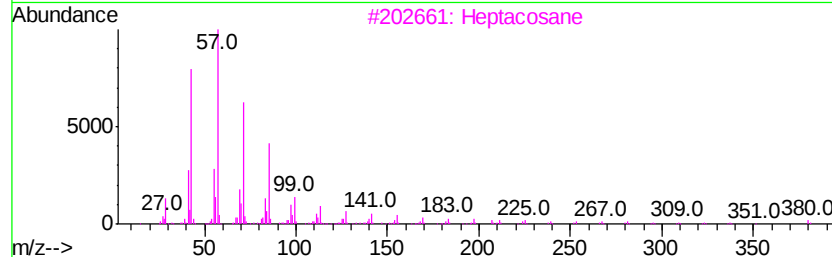
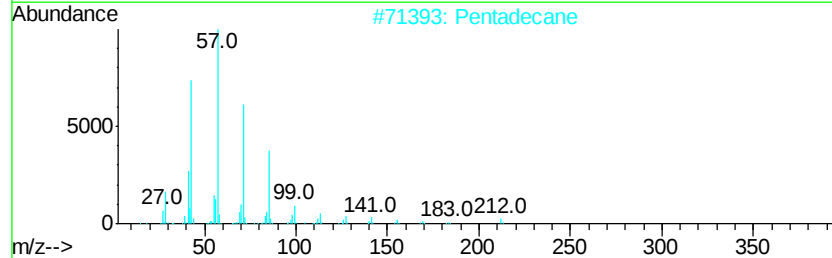
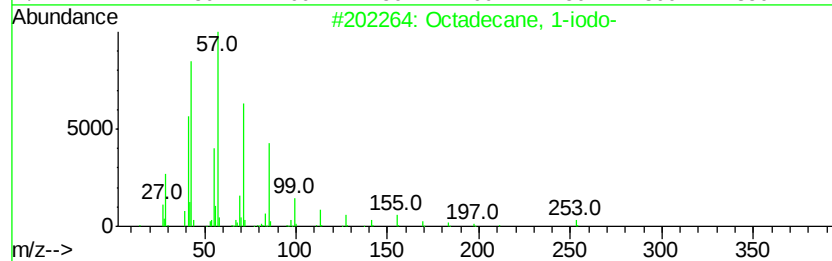
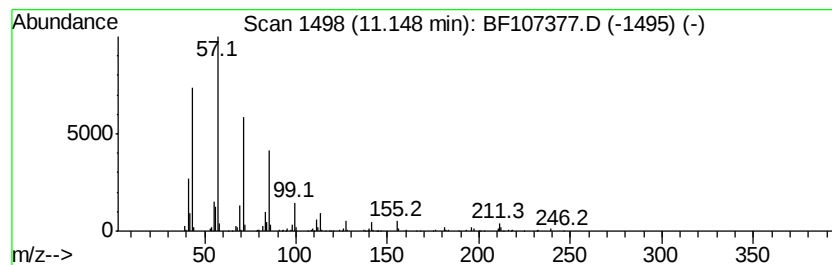
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 Octadecane, 1-iodo- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	9.99 ng	182800	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	87
2		Pentadecane	212	C15H32	000629-62-9	87
3		Heptacosane	380	C27H56	000593-49-7	83
4		Octacosane	394	C28H58	000630-02-4	83
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107377.D
Acq On : 13 Jul 2018 19:42
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Misc :
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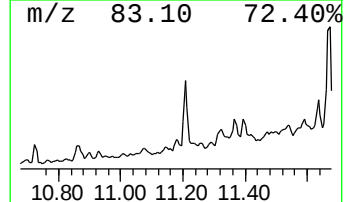
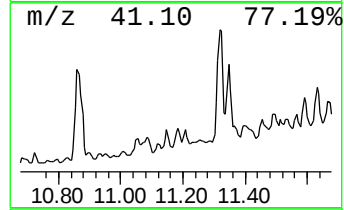
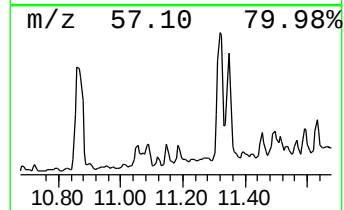
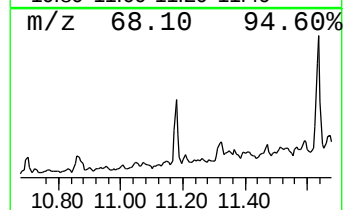
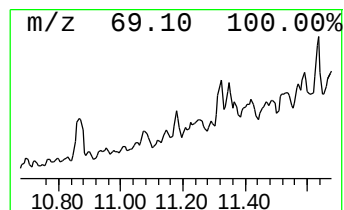
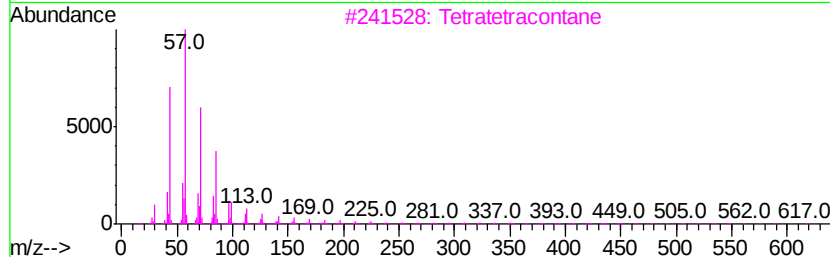
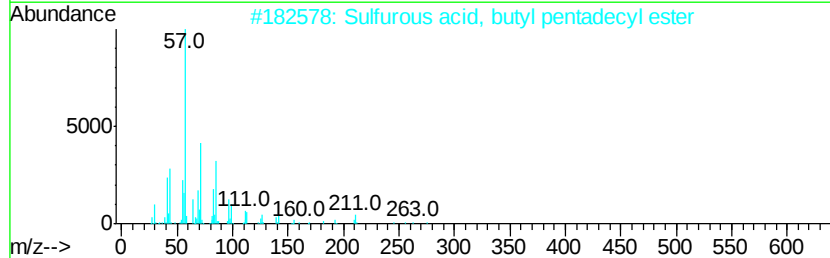
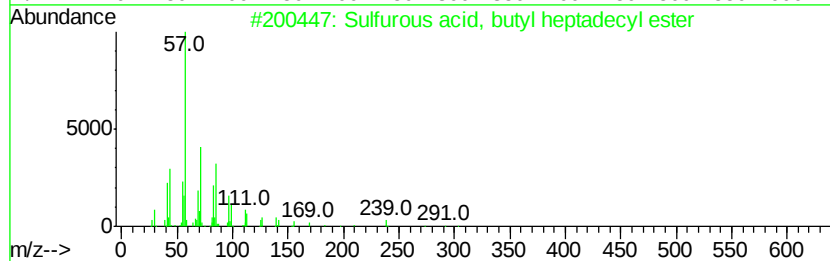
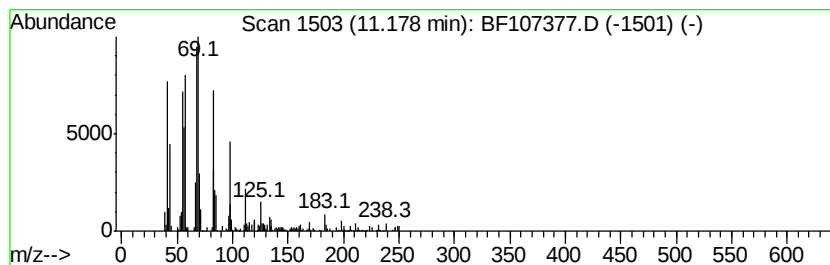
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Sulfurous acid, butyl hepta... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	14.09 ng	257972	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	83
2		Sulfurous acid, butyl pentadecyl...	348	C19H40O3S	1000309-18-2	72
3		Tetratetracontane	619	C44H90	007098-22-8	68
4		Tritetracontane	605	C43H88	007098-21-7	58
5		2-methyloctacosane	408	C29H60	1000376-72-8	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107377.D
Acq On : 13 Jul 2018 19:42
Operator : JU/SJ
Sample : J3944-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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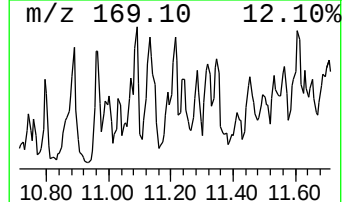
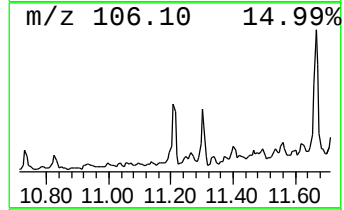
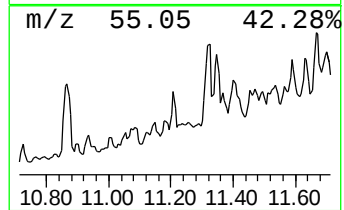
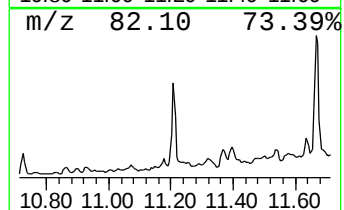
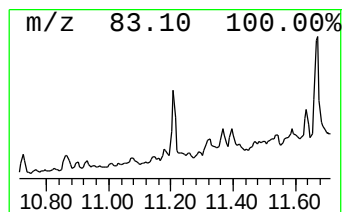
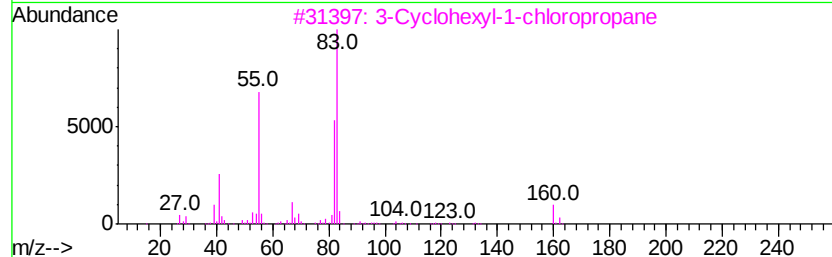
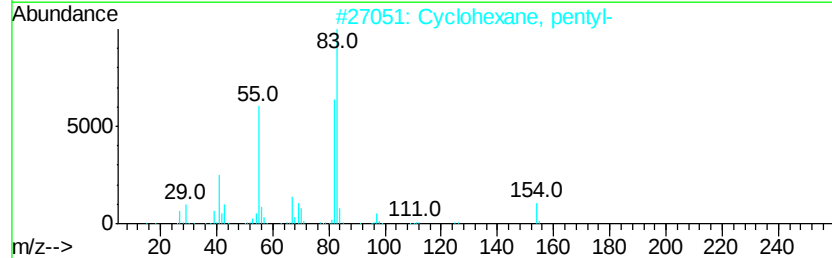
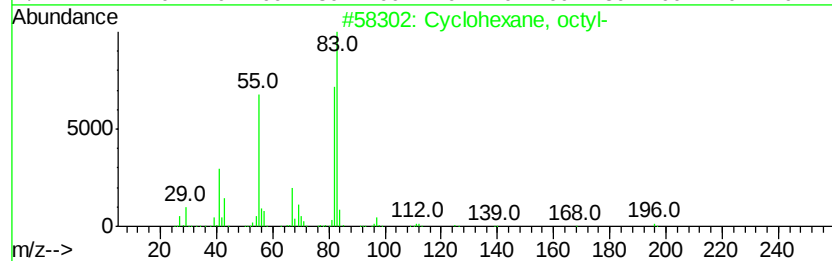
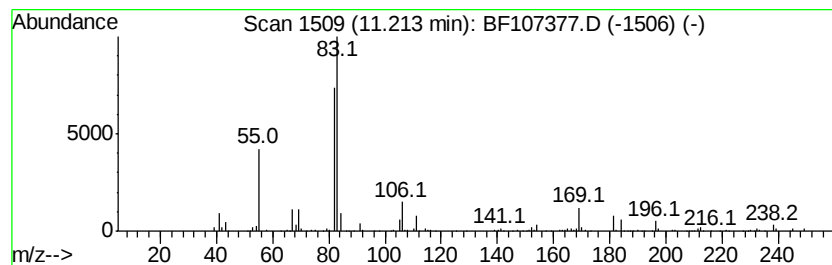
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclohexane, octyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	7.66 ng	140254	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, octyl-	196	C14H28	001795-15-9	80
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
3		3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	72
4		n-Nonylcyclohexane	210	C15H30	002883-02-5	72
5		Cyclohexane, undecyl-	238	C17H34	054105-66-7	72



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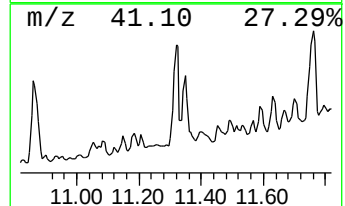
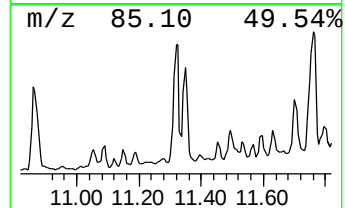
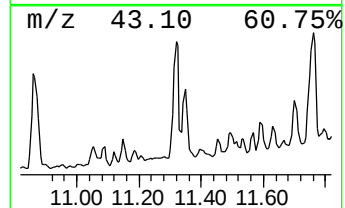
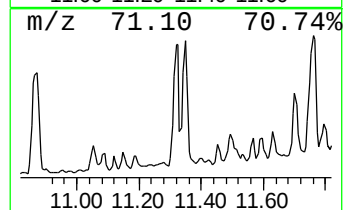
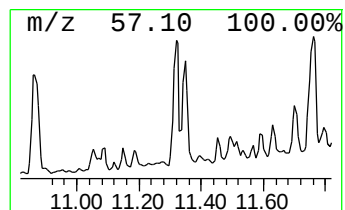
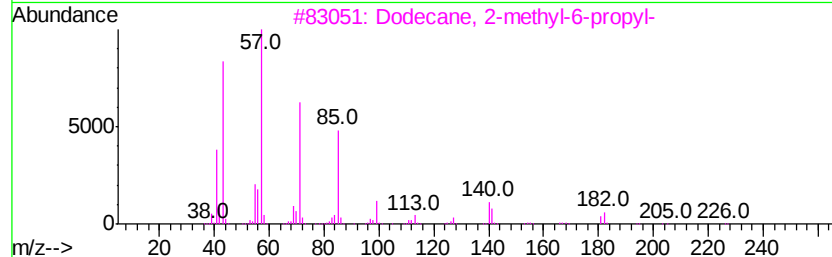
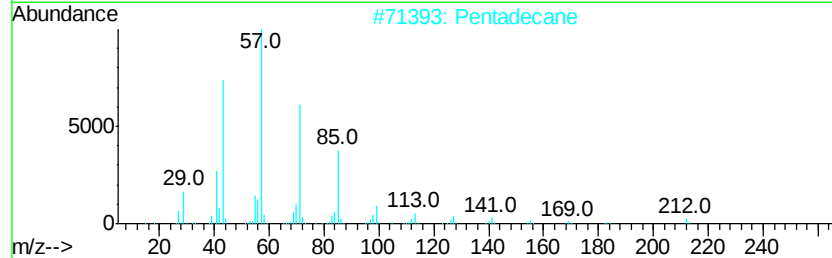
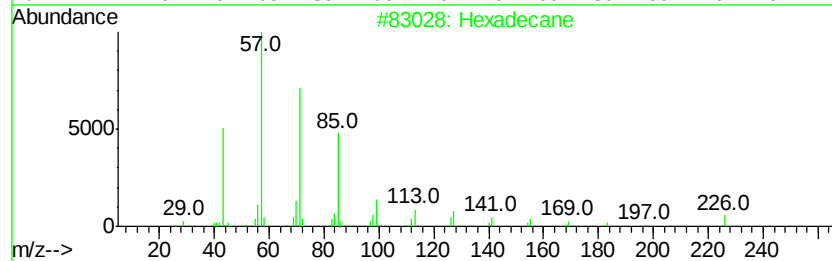
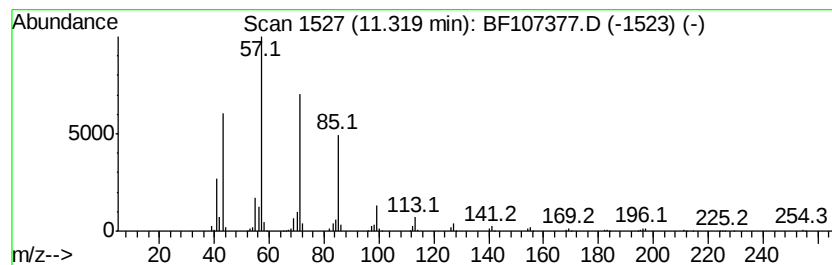
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pentadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	81.98 ng	1500660	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	94
2		Pentadecane	212	C15H32	000629-62-9	91
3		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
4		Octadecane	254	C18H38	000593-45-3	90
5		Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107377.D
Acq On : 13 Jul 2018 19:42
Operator : JU/SJ
Sample : J3944-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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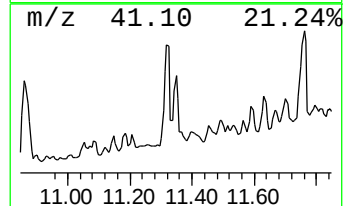
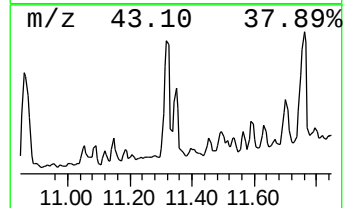
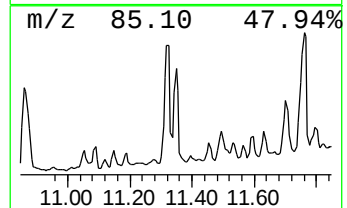
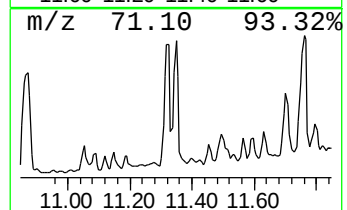
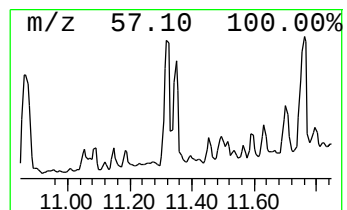
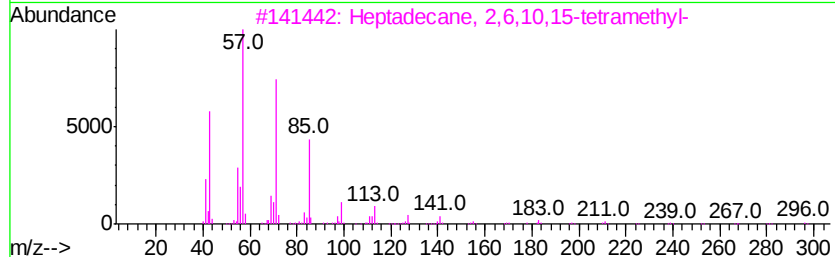
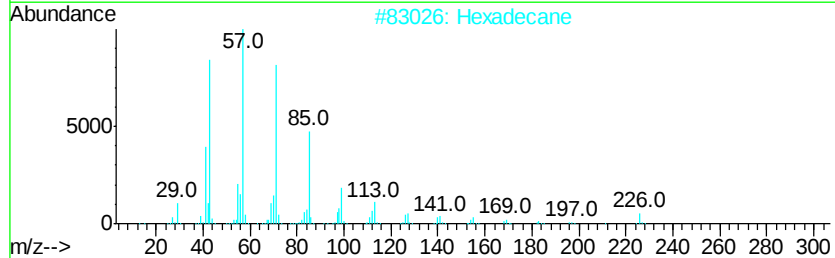
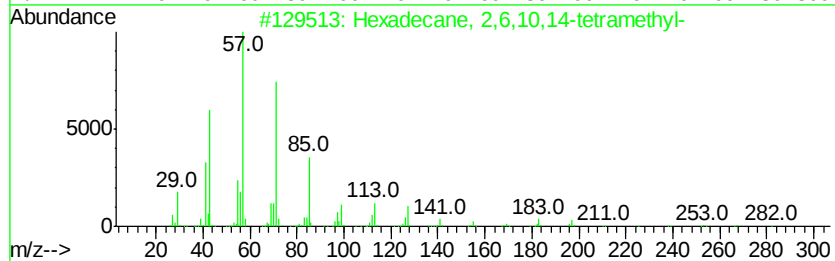
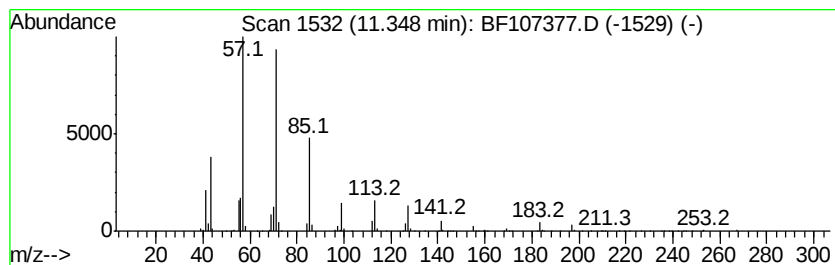
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Hexadecane, 2,6,10,14-tetra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	57.09 ng	1045130	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
2		Hexadecane	226	C16H34	000544-76-3	86
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
5		2-Bromotetradecane	276	C14H29Br	074036-95-6	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107377.D
Acq On : 13 Jul 2018 19:42
Operator : JU/SJ
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ClientSampleId :
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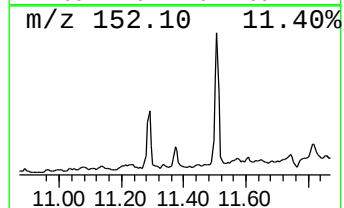
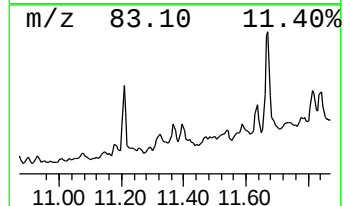
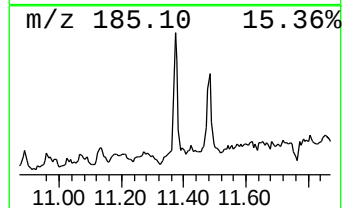
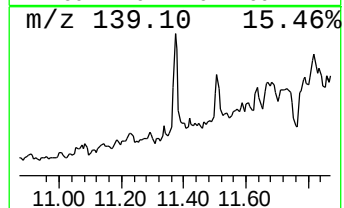
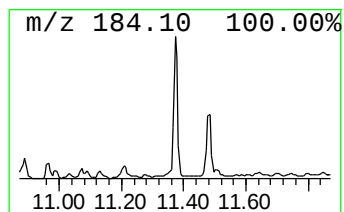
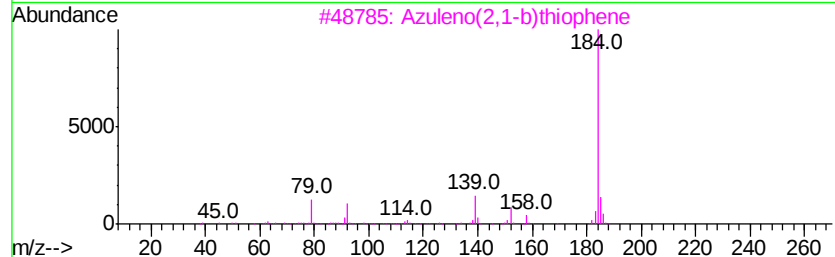
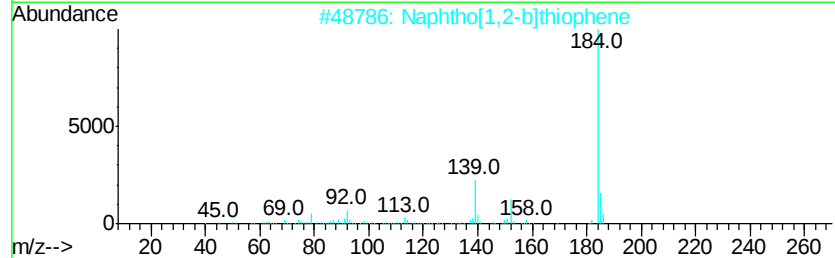
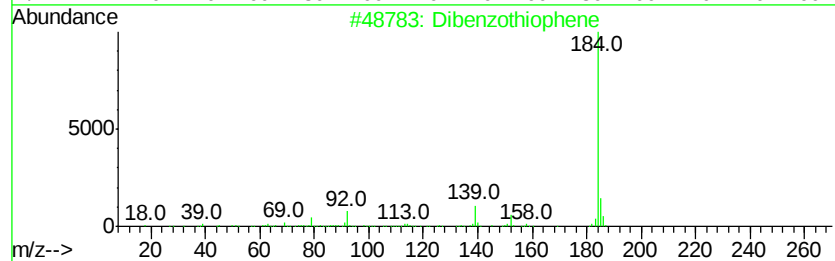
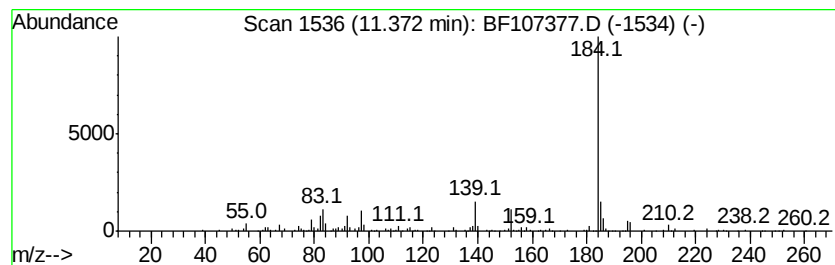
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	8.80 ng	161123	Phenanthrene-d10	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	93
2			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	74
3			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	74
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	72
5			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107377.D
Acq On : 13 Jul 2018 19:42
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Misc :
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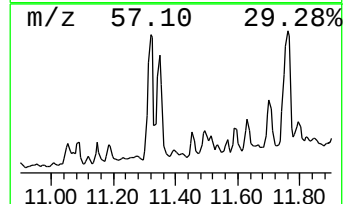
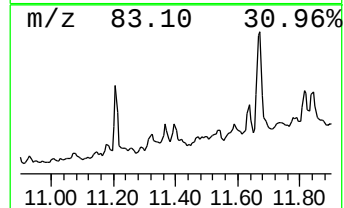
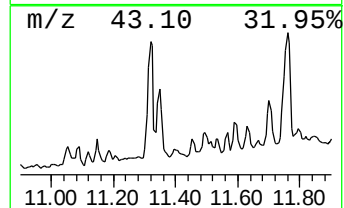
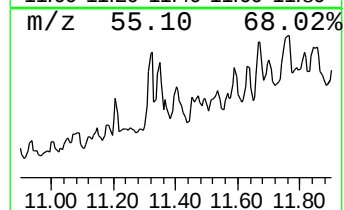
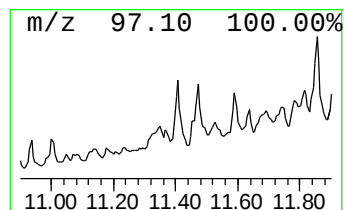
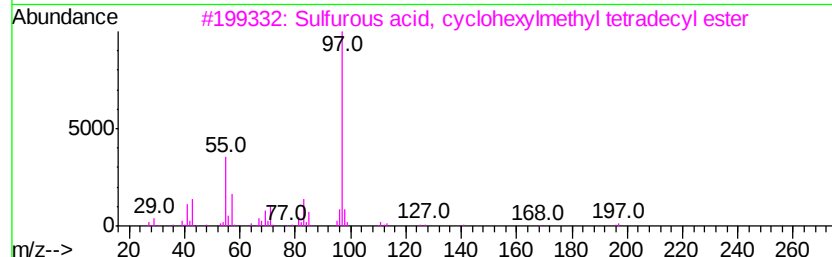
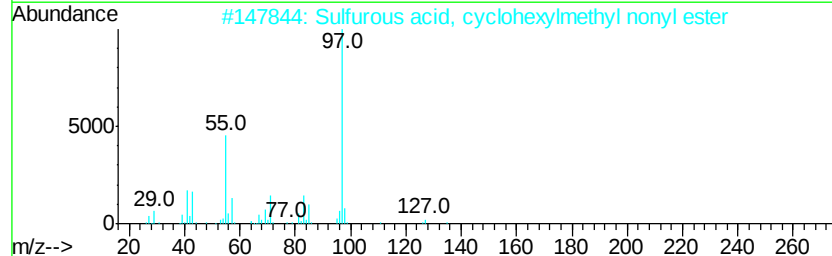
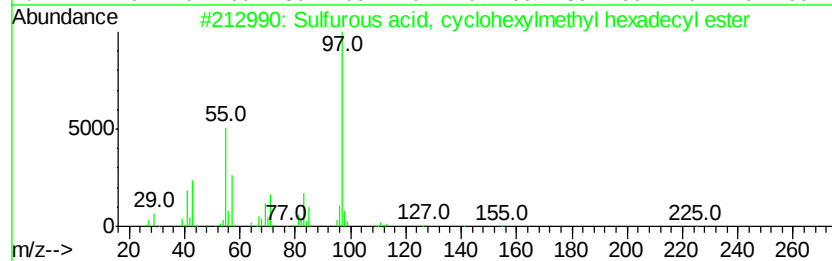
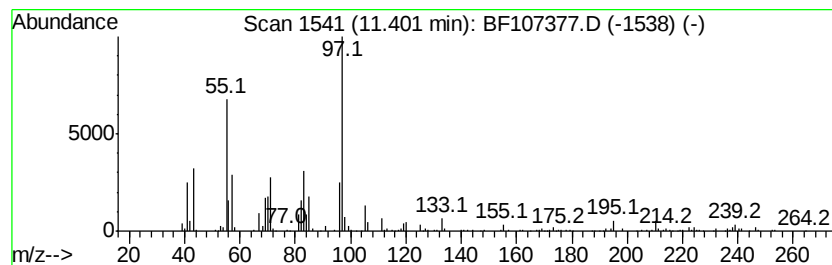
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Sulfurous acid, cyclohexylm... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	15.53 ng	284322	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cvclohexylmethvl...	402	C23H46O3S	1000309-22-4	64
2		Sulfurous acid, cvclohexylmethvl...	304	C16H32O3S	1000309-21-8	64
3		Sulfurous acid, cvclohexylmethvl...	374	C21H42O3S	1000309-22-2	50
4		Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	47
5		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
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Sample : J3944-01 5X
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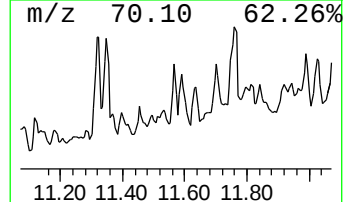
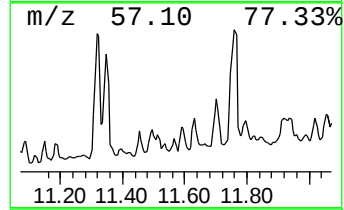
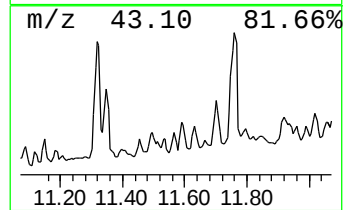
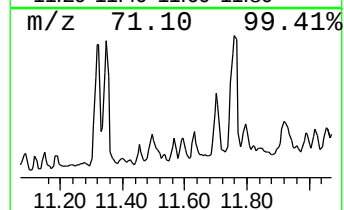
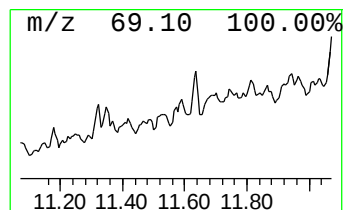
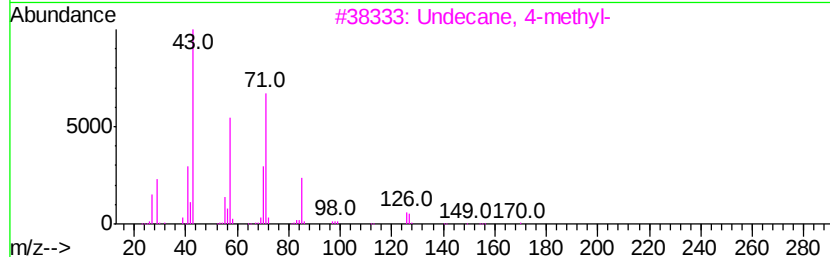
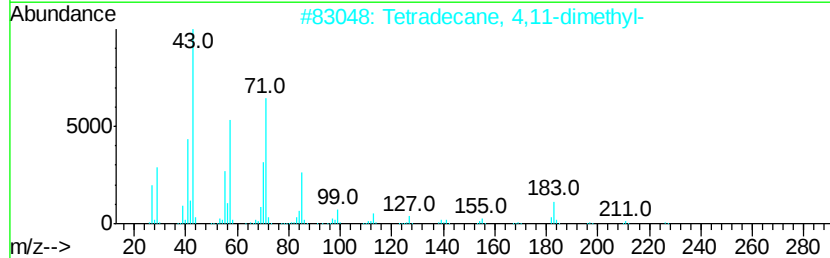
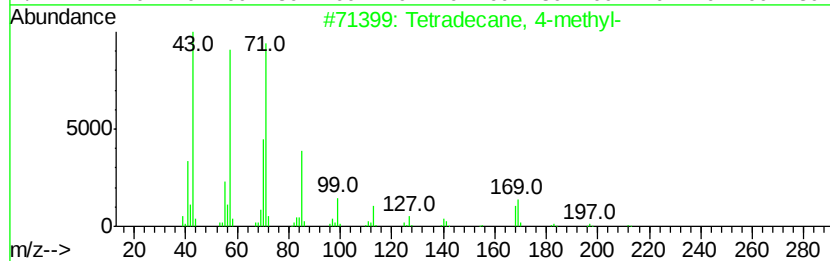
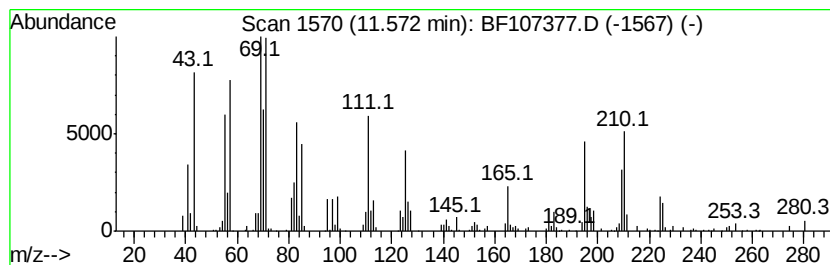
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tetradecane, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	9.27 ng	169695	Phenanthrene-d10	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetradecane, 4-methyl-	212 C15H32	025117-24-2 90
2		Tetradecane, 4,11-dimethyl-	226 C16H34	055045-12-0 72
3		Undecane, 4-methyl-	170 C12H26	002980-69-0 64
4		Dodecane, 4-methyl-	184 C13H28	006117-97-1 50
5		Decane, 5-propyl-	184 C13H28	017312-62-8 49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107377.D
Acq On : 13 Jul 2018 19:42
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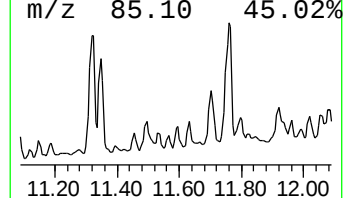
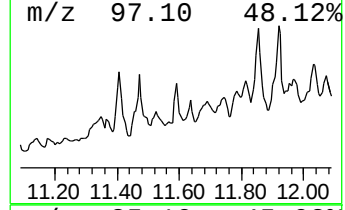
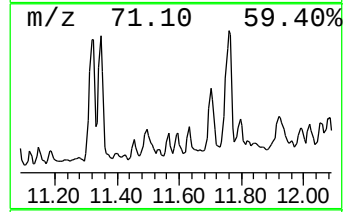
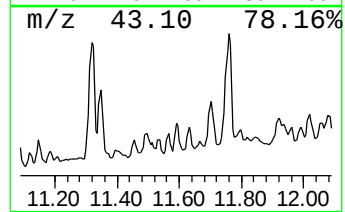
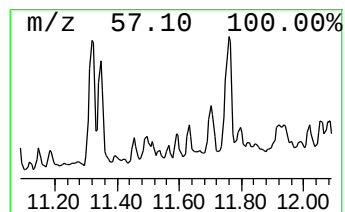
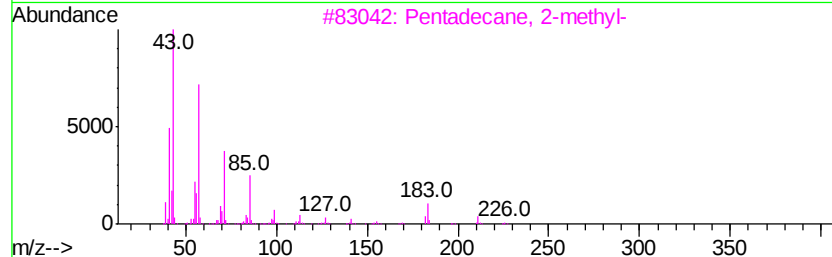
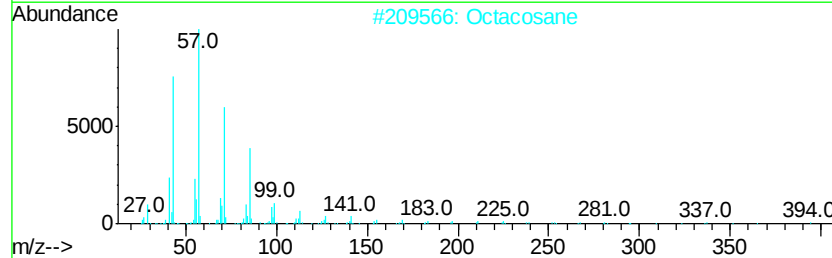
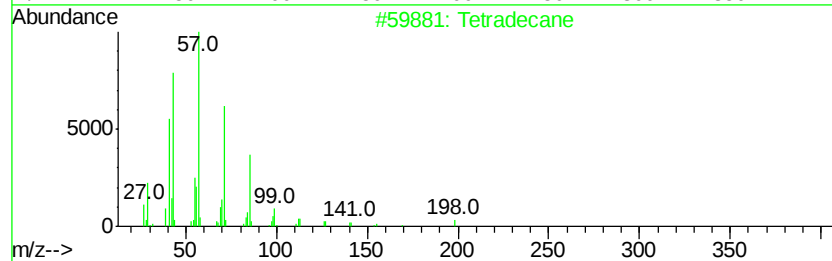
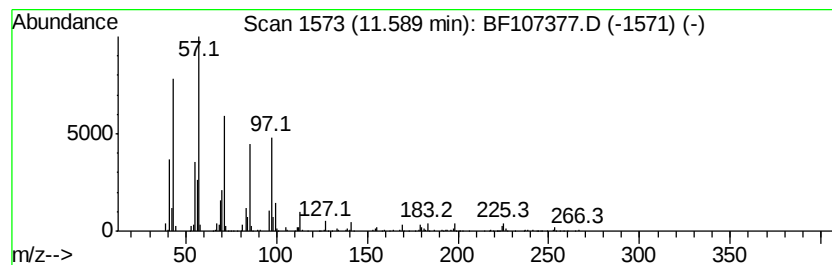
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Tetradecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	18.47 ng	338203	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	64
2		Octacosane	394	C28H58	000630-02-4	58
3		Pentadecane, 2-methyl-	226	C16H34	001560-93-6	58
4		Octadecane, 2-methyl-	268	C19H40	001560-88-9	58
5		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
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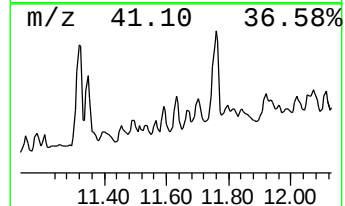
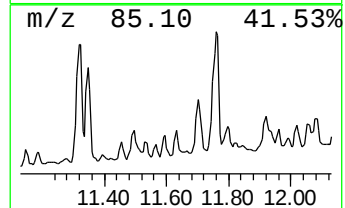
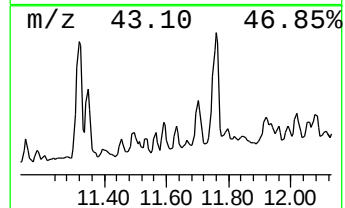
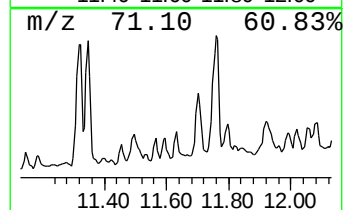
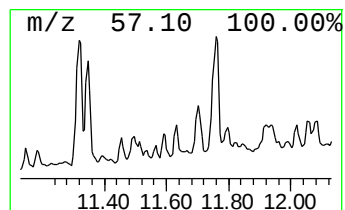
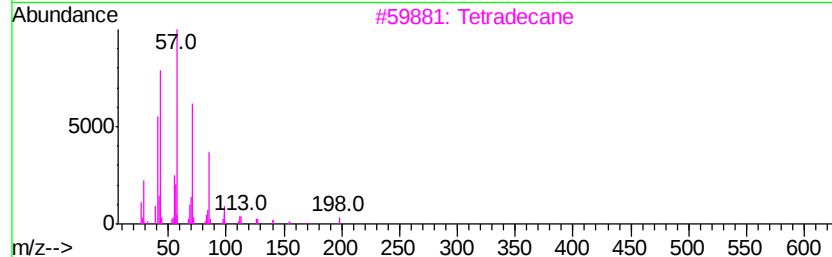
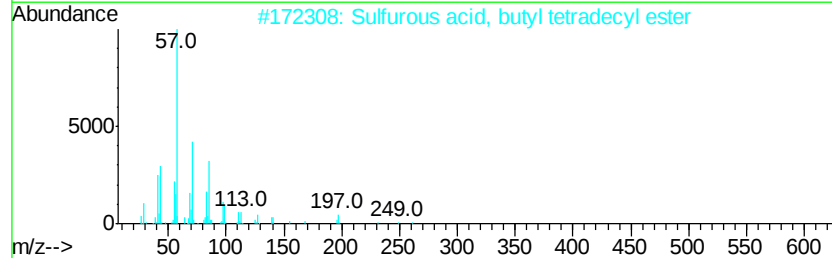
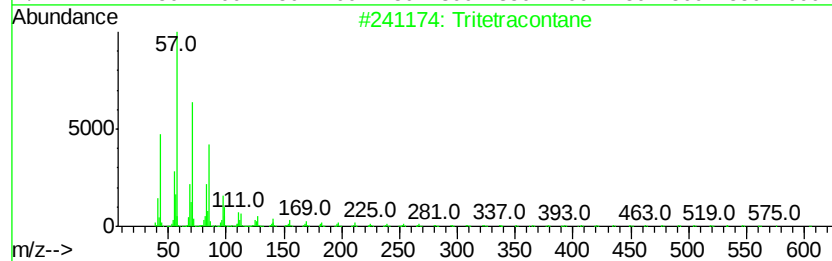
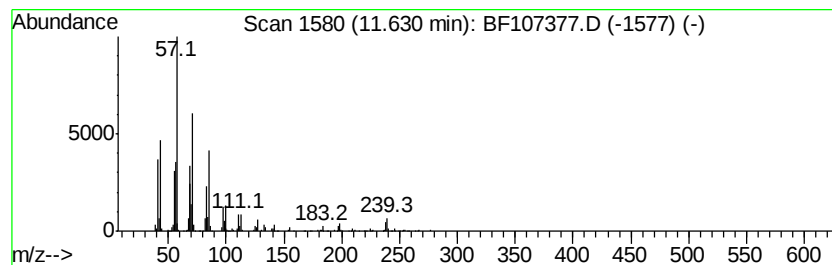
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Tritetracontane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	26.09 ng	477555	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tritetracontane	605	C43H88	007098-21-7	68
2		Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	68
3		Tetradecane	198	C14H30	000629-59-4	64
4		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	62
5		Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107377.D
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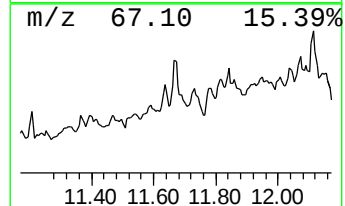
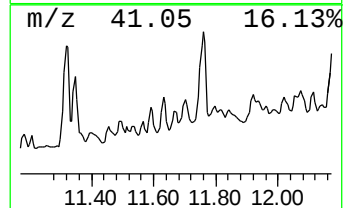
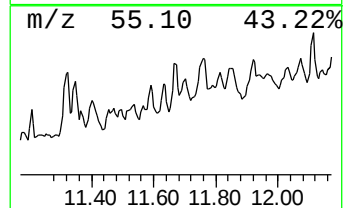
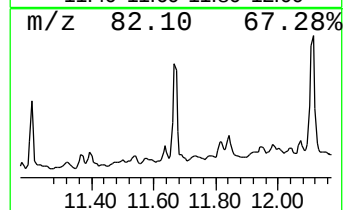
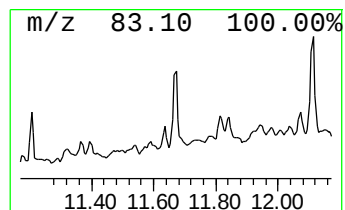
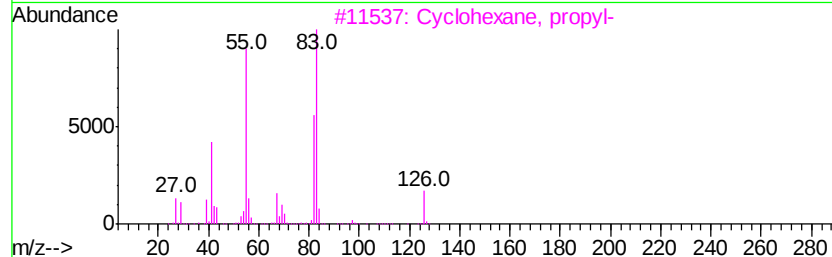
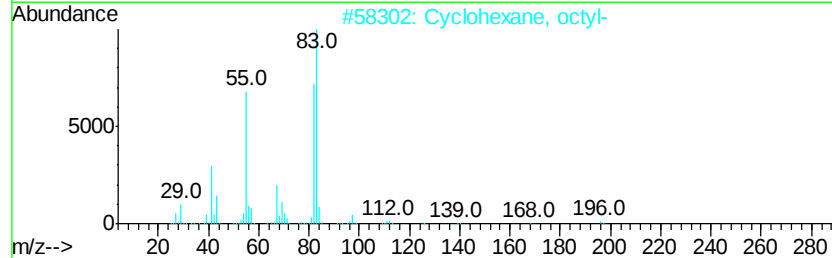
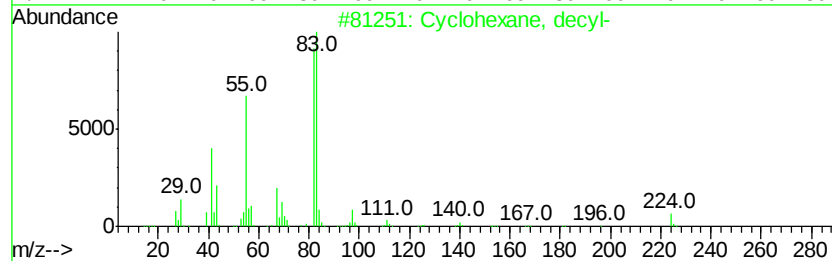
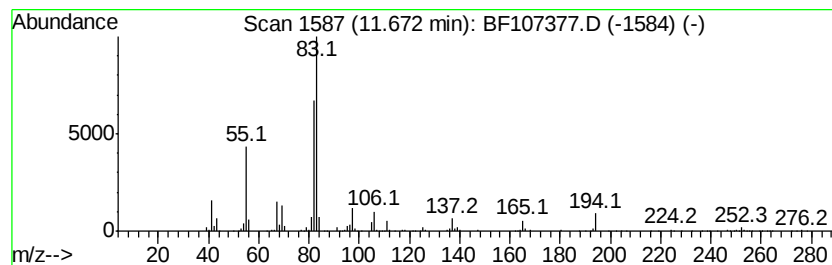
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclohexane, decyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	18.67 ng	341716	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, decyl-	224	C16H32	001795-16-0	76
2		Cyclohexane, octyl-	196	C14H28	001795-15-9	68
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	59
4		3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	59
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107377.D
Acq On : 13 Jul 2018 19:42
Operator : JU/SJ
Sample : J3944-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-WEST

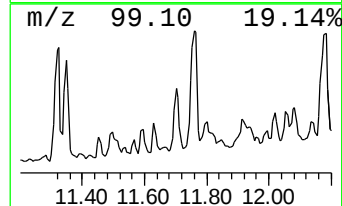
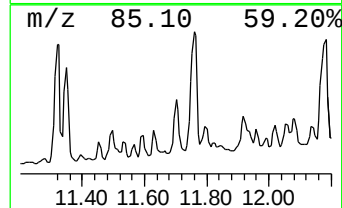
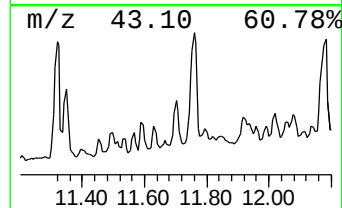
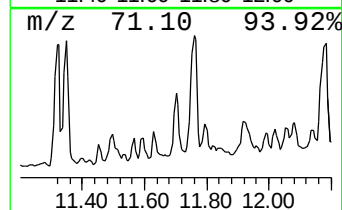
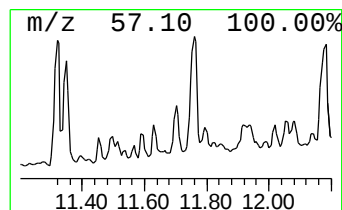
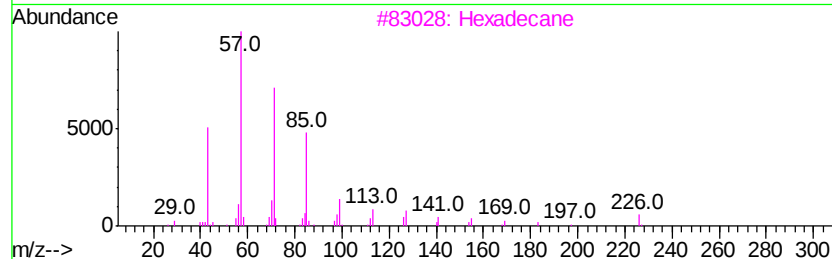
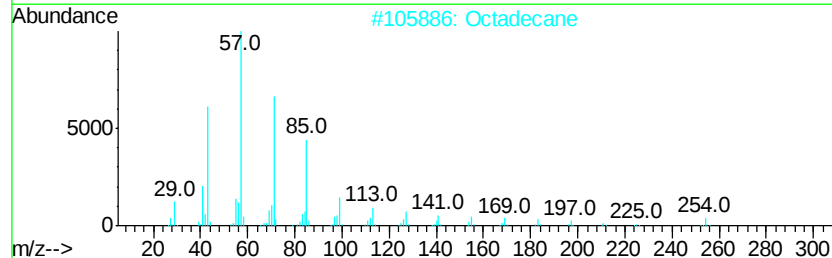
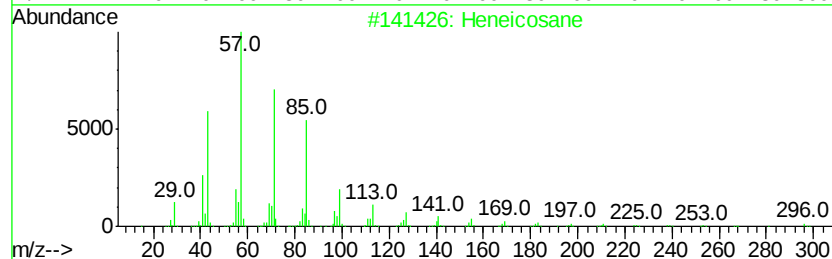
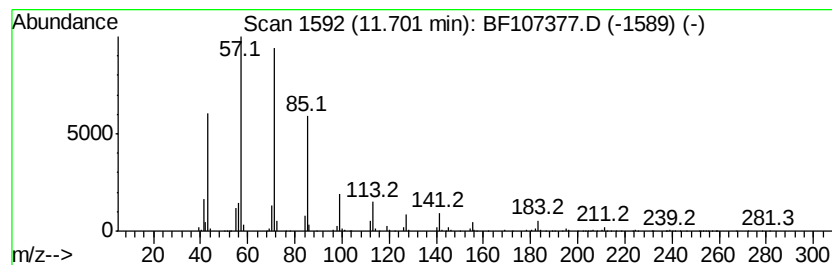
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	31.66 ng	579597	Phenanthrene-d10	11.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	91
2	Octadecane		254	C18H38	000593-45-3	90
3	Hexadecane		226	C16H34	000544-76-3	90
4	2-Bromotetradecane		276	C14H29Br	074036-95-6	90
5	Heptadecane		240	C17H36	000629-78-7	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107377.D
Acq On : 13 Jul 2018 19:42
Operator : JU/SJ
Sample : J3944-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-WEST

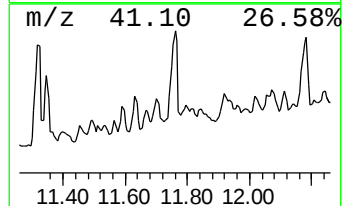
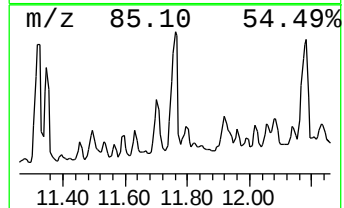
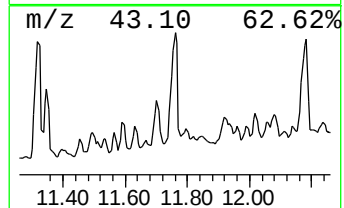
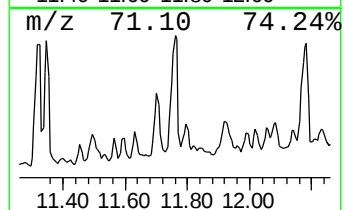
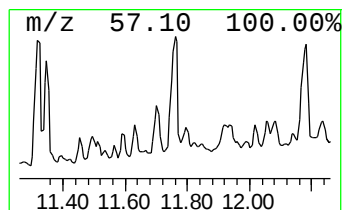
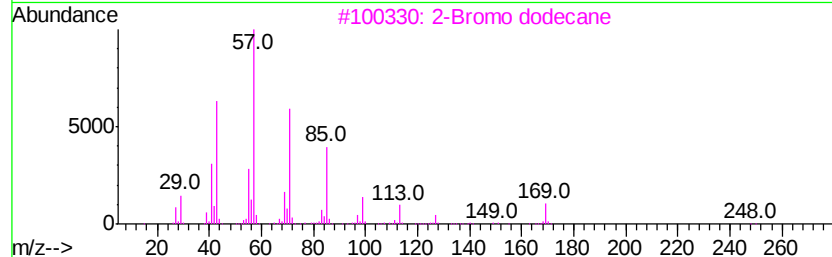
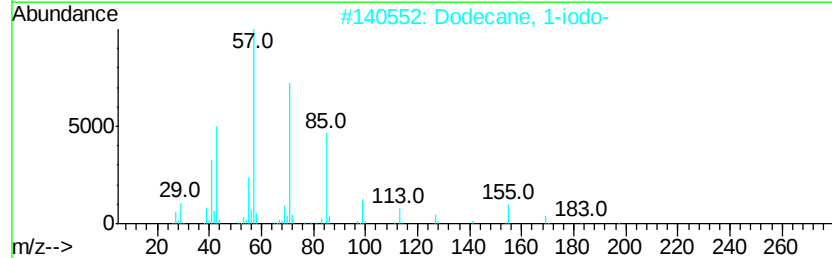
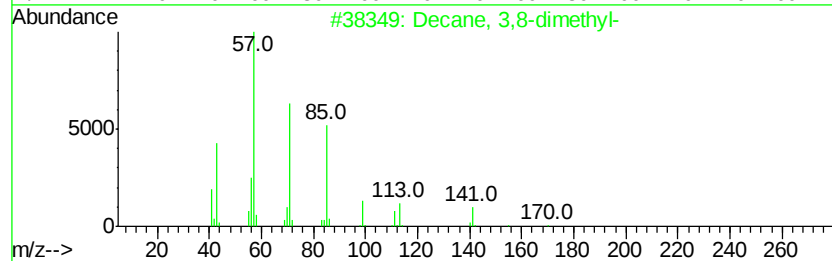
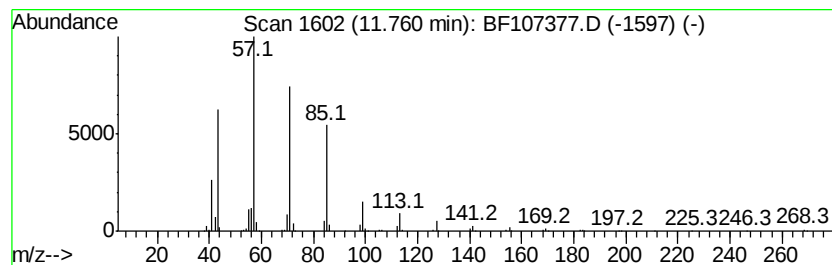
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Decane, 3,8-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	74.01 ng	1354880	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	86
2		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	83
3		2-Bromo dodecane	248	C12H25Br	013187-99-0	83
4		Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	78
5		Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071318\
 Data File : BF107377.D
 Acq On : 13 Jul 2018 19:42
 Operator : JU/SJ
 Sample : J3944-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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
unknown6.71	6.71	8.1 ng		105131	1	6.93	258479	20.0
1,1'-Biphenyl, 2-...	9.28	7.6 ng		132940	3	9.98	348078	20.0
Hexadecane	10.38	17.7 ng		308010	3	9.98	348078	20.0
Heptacosane	10.60	18.6 ng		323340	3	9.98	348078	20.0
Heptadecane, 2,6,...	10.87	95.6 ng		1750080	4	11.48	366123	20.0
Tridecane, 4-methyl-	11.05	14.6 ng		267548	4	11.48	366123	20.0
Dodecane	11.08	13.1 ng		239868	4	11.48	366123	20.0
Octadecane, 1-iodo-	11.15	10.0 ng		182800	4	11.48	366123	20.0
Sulfurous acid, b...	11.18	14.1 ng		257972	4	11.48	366123	20.0
Cyclohexane, octyl-	11.21	7.7 ng		140254	4	11.48	366123	20.0
Pentadecane	11.32	82.0 ng		1500660	4	11.48	366123	20.0
Hexadecane, 2,6,1...	11.35	57.1 ng		1045130	4	11.48	366123	20.0
Dibenzothiophene	11.37	8.8 ng		161123	4	11.48	366123	20.0
Sulfurous acid, c...	11.40	15.5 ng		284322	4	11.48	366123	20.0
Tetradecane, 4-me...	11.57	9.3 ng		169695	4	11.48	366123	20.0
Tetradecane	11.59	18.5 ng		338203	4	11.48	366123	20.0
Tritetracontane	11.63	26.1 ng		477555	4	11.48	366123	20.0
Cyclohexane, decyl-	11.67	18.7 ng		341716	4	11.48	366123	20.0
Heneicosane	11.70	31.7 ng		579597	4	11.48	366123	20.0
Decane, 3,8-dimet...	11.76	74.0 ng		1354880	4	11.48	366123	20.0