

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
 Data File : BF113171.D
 Acq On : 20 Mar 2019 15:13
 Operator : JU/SJ
 Sample : K1984-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(6-7)

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-BF022719.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	5.340	549	553	562	rVV	2345307	2261095	90.87%	4.753%
2	5.487	574	578	582	rVV2	52726	70143	2.82%	0.147%
3	5.734	615	620	625	rBV3	124469	165660	6.66%	0.348%
4	5.798	625	631	633	rBV2	53454	84239	3.39%	0.177%
5	5.875	639	644	648	rVB	117962	126110	5.07%	0.265%
6	5.928	648	653	656	rBV3	69657	98537	3.96%	0.207%
7	6.034	667	671	673	rBV2	65002	70409	2.83%	0.148%
8	6.163	688	693	696	rBV3	122704	151833	6.10%	0.319%
9	6.251	705	708	711	rVV2	81619	105977	4.26%	0.223%
10	6.281	711	713	718	rVB3	59459	79190	3.18%	0.166%
11	6.369	723	728	732	rVV	2449311	2394978	96.25%	5.034%
12	6.422	735	737	742	rVV4	49066	77164	3.10%	0.162%
13	6.492	745	749	757	rVV	2686794	2488344	100.00%	5.231%
14	6.669	771	779	782	rVV5	73886	179156	7.20%	0.377%
15	6.698	782	784	785	rVV2	84856	76766	3.09%	0.161%
16	6.722	785	788	791	rVV	923434	855661	34.39%	1.799%
17	6.745	791	792	796	rVV	132791	95558	3.84%	0.201%
18	6.792	796	800	802	rVV2	124691	154249	6.20%	0.324%
19	6.851	807	810	811	rVV	168009	154820	6.22%	0.325%
20	6.875	811	814	818	rVV	2009490	1850213	74.36%	3.889%
21	6.910	818	820	823	rVV	86950	71964	2.89%	0.151%
22	6.963	826	829	831	rVV2	86321	100721	4.05%	0.212%
23	6.998	833	835	840	rVB4	68652	82351	3.31%	0.173%
24	7.081	845	849	851	rBV2	68714	75869	3.05%	0.159%
25	7.116	853	855	857	rBV2	104290	77922	3.13%	0.164%
26	7.151	857	861	866	rVB4	51782	81406	3.27%	0.171%
27	7.281	873	883	886	rBV	1593328	1616760	64.97%	3.398%
28	7.310	886	888	889	rVV	114757	101050	4.06%	0.212%
29	7.334	889	892	894	rVV2	113761	134144	5.39%	0.282%
30	7.375	894	899	903	rVV6	118590	220551	8.86%	0.464%
31	7.434	903	909	915	rVV5	108852	259690	10.44%	0.546%
32	7.516	915	923	924	rVV2	142003	255242	10.26%	0.537%
33	7.534	924	926	930	rVV3	218671	202038	8.12%	0.425%
34	7.569	930	932	934	rVV	88345	66276	2.66%	0.139%

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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-BF022719.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.622	938	941	944	rVV3	187167	264449	10.63%	0.556%
36	7.645	944	945	950	rVB3	172223	194912	7.83%	0.410%
37	7.716	955	957	961	rVB2	58297	70293	2.82%	0.148%
38	7.775	961	967	969	rBV3	119779	173090	6.96%	0.364%
39	7.834	973	977	981	rBV2	175650	227670	9.15%	0.479%
40	7.881	981	985	986	rBV4	56969	73197	2.94%	0.154%
41	7.916	986	991	993	rVB3	65203	86131	3.46%	0.181%
42	7.951	994	997	998	rBV3	84675	87570	3.52%	0.184%
43	8.004	1001	1006	1010	rBV	1236536	1237426	49.73%	2.601%
44	8.057	1013	1015	1017	rBV2	105656	89003	3.58%	0.187%
45	8.081	1017	1019	1021	rVB	521593	376715	15.14%	0.792%
46	8.116	1021	1025	1030	rVB4	225383	494482	19.87%	1.039%
47	8.175	1031	1035	1037	rBV	206308	273399	10.99%	0.575%
48	8.216	1040	1042	1044	rBV2	115239	96804	3.89%	0.203%
49	8.245	1044	1047	1050	rVB4	178864	196255	7.89%	0.413%
50	8.287	1050	1054	1055	rBV3	257049	256487	10.31%	0.539%
51	8.304	1055	1057	1059	rVB2	333875	252637	10.15%	0.531%
52	8.334	1059	1062	1064	rBV	214193	203215	8.17%	0.427%
53	8.357	1064	1066	1070	rVB5	155284	180299	7.25%	0.379%
54	8.398	1070	1073	1076	rBV3	246757	256848	10.32%	0.540%
55	8.439	1077	1080	1084	rBV	905190	1027367	41.29%	2.160%
56	8.510	1089	1092	1095	rBV3	132939	156341	6.28%	0.329%
57	8.551	1097	1099	1101	rBV2	92537	89291	3.59%	0.188%
58	8.604	1104	1108	1113	rBV3	356139	621288	24.97%	1.306%
59	8.645	1113	1115	1117	rBV3	188364	205858	8.27%	0.433%
60	8.698	1122	1124	1128	rVB2	577965	686035	27.57%	1.442%
61	8.751	1128	1133	1134	rBV5	221235	338869	13.62%	0.712%
62	8.804	1139	1142	1143	rVV	306648	345233	13.87%	0.726%
63	8.822	1143	1145	1150	rVV3	363717	424709	17.07%	0.893%
64	8.869	1150	1153	1155	rVV	266002	252177	10.13%	0.530%
65	8.892	1155	1157	1160	rVV4	231940	293755	11.81%	0.617%
66	8.922	1160	1162	1165	rVB	549530	447832	18.00%	0.941%
67	8.981	1170	1172	1176	rVV4	206881	241541	9.71%	0.508%
68	9.016	1176	1178	1179	rVV	144848	123869	4.98%	0.260%
69	9.039	1179	1182	1184	rVV	979080	861054	34.60%	1.810%
70	9.081	1185	1189	1192	rVB	2222819	1966616	79.03%	4.134%
71	9.186	1201	1207	1209	rBV2	404054	589756	23.70%	1.240%

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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

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72	9.216	1209	1212	1214	rVV2	208490	198451	7.98%	0.417%
73	9.286	1220	1224	1227	rVB2	341157	422750	16.99%	0.889%
74	9.334	1227	1232	1234	rBV3	375868	550711	22.13%	1.158%
75	9.363	1234	1237	1239	rVB	422988	334183	13.43%	0.702%
76	9.410	1239	1245	1249	rBV6	237299	609581	24.50%	1.281%
77	9.492	1256	1259	1262	rVV	1522771	1244681	50.02%	2.616%
78	9.522	1262	1264	1266	rVB2	360487	300735	12.09%	0.632%
79	9.581	1271	1274	1275	rBV2	248863	215309	8.65%	0.453%
80	9.669	1287	1289	1292	rBV	379727	358858	14.42%	0.754%
81	9.698	1292	1294	1296	rBV2	196367	196931	7.91%	0.414%
82	9.757	1299	1304	1307	rVB3	1237910	1553439	62.43%	3.265%
83	9.804	1310	1312	1315	rBV	360393	338825	13.62%	0.712%
84	9.875	1322	1324	1327	rVB	363024	288300	11.59%	0.606%
85	9.928	1330	1333	1336	rVV4	213670	334196	13.43%	0.702%
86	9.963	1336	1339	1341	rVB2	308509	273592	10.99%	0.575%
87	10.022	1347	1349	1352	rVB	420609	366080	14.71%	0.770%
88	10.298	1394	1396	1397	rBV	255849	210049	8.44%	0.442%
89	10.316	1397	1399	1403	rVB	426676	515490	20.72%	1.084%
90	10.422	1413	1417	1420	rBV	1243152	1238179	49.76%	2.603%
91	10.545	1434	1438	1441	rBV	1406938	1357709	54.56%	2.854%
92	10.686	1457	1462	1466	rBV	1592026	1888891	75.91%	3.970%
93	11.151	1538	1541	1544	rVB	1120090	1146936	46.09%	2.411%
94	11.239	1553	1556	1558	rBV	796637	705851	28.37%	1.484%
95	11.498	1597	1600	1603	rBV2	560617	625534	25.14%	1.315%
96	11.780	1645	1648	1652	rVB	463624	449409	18.06%	0.945%
97	12.445	1758	1761	1764	rBV2	398673	458815	18.44%	0.964%
98	12.816	1821	1824	1828	rBV	1550383	1460119	58.68%	3.069%
99	13.868	2000	2003	2005	rBV	740831	661927	26.60%	1.391%
100	15.280	2240	2243	2246	rBV	576608	619619	24.90%	1.302%

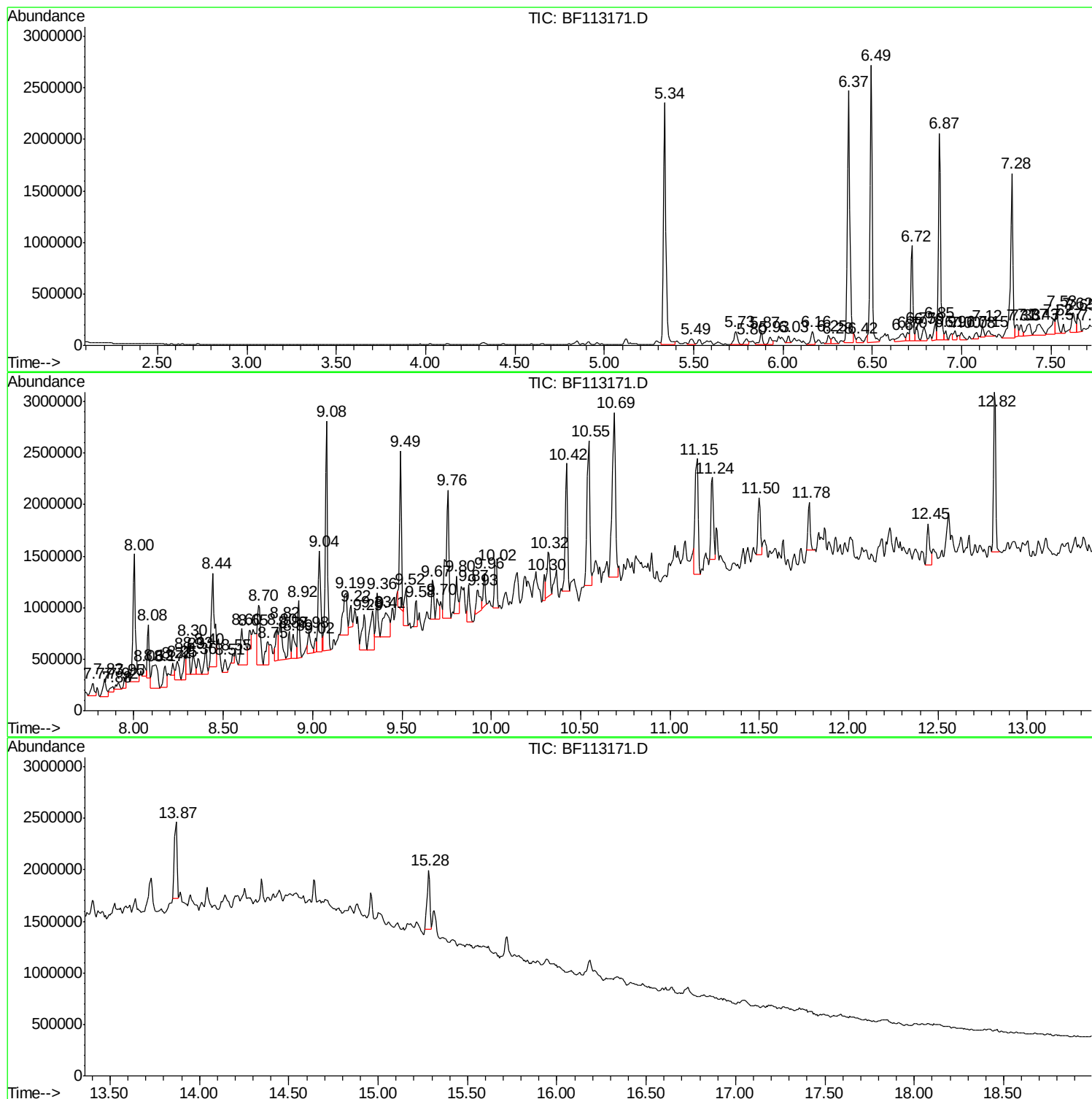
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Instrument :
BNA_F
ClientSampled :
SB-11(6-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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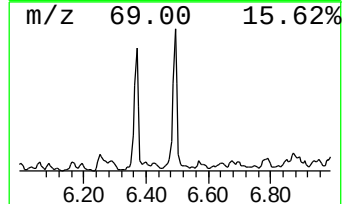
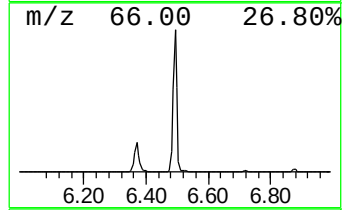
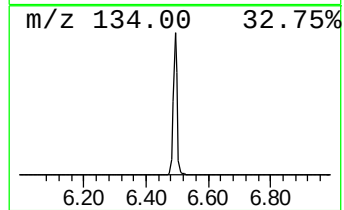
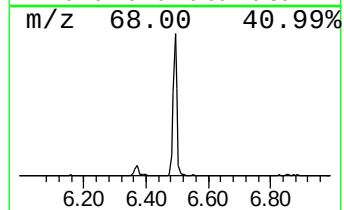
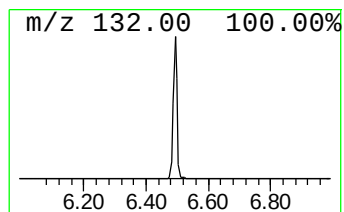
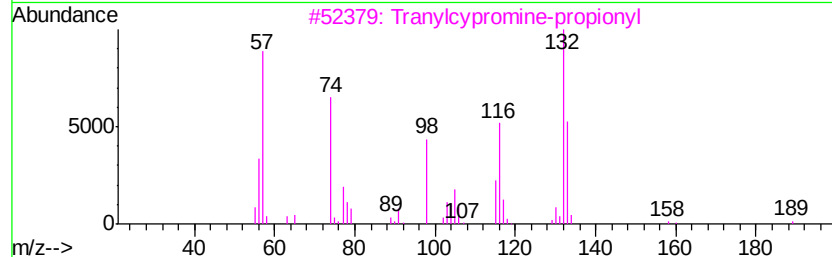
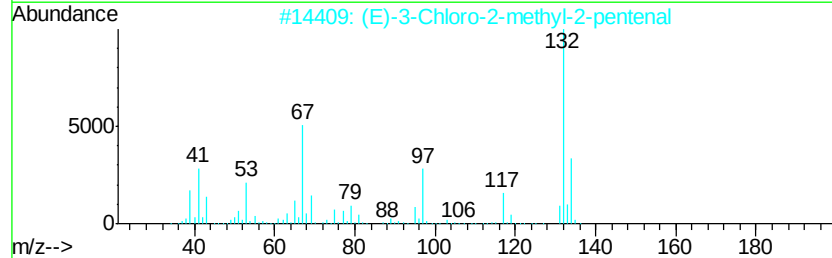
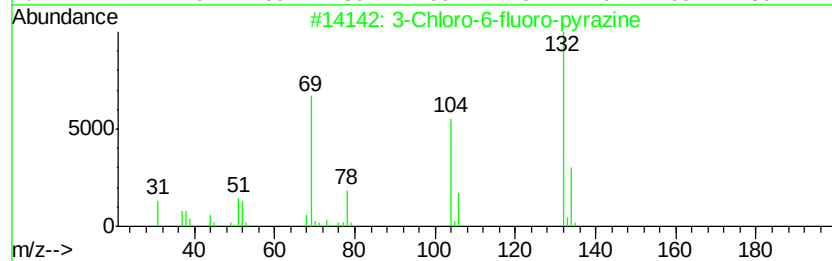
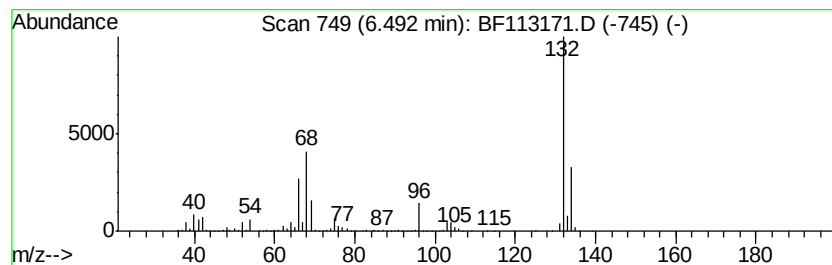
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	58.16 ng	2488340	1,4-Dichlorobenzene-d4	6.72

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	27
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4		Amphetaminil	250	C17H18N2	017590-01-1	12
5		5-Aminoindole	132	C8H8N2	005192-03-0	12



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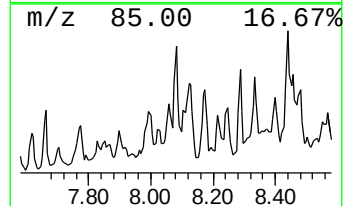
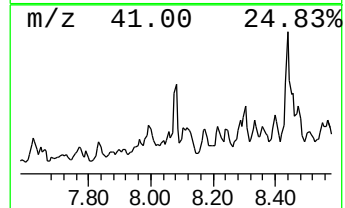
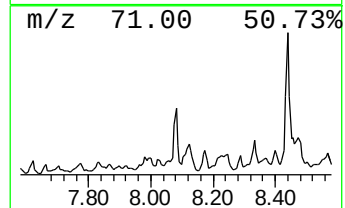
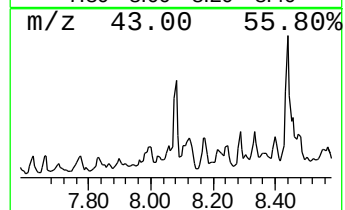
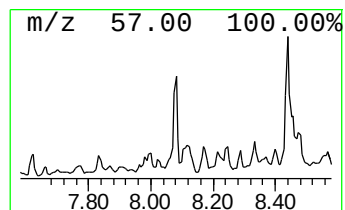
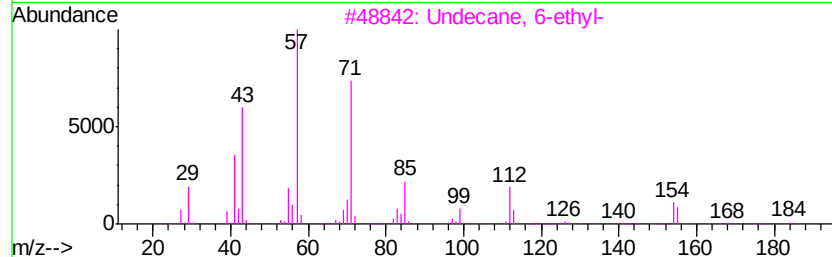
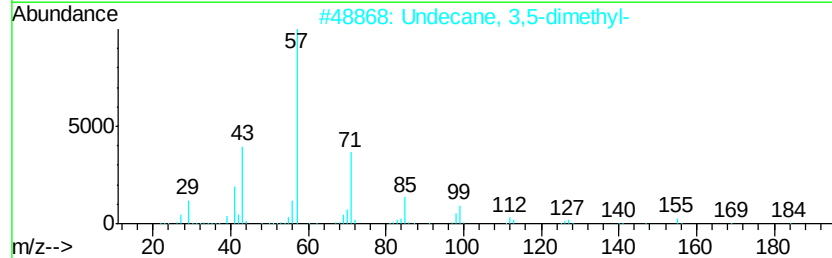
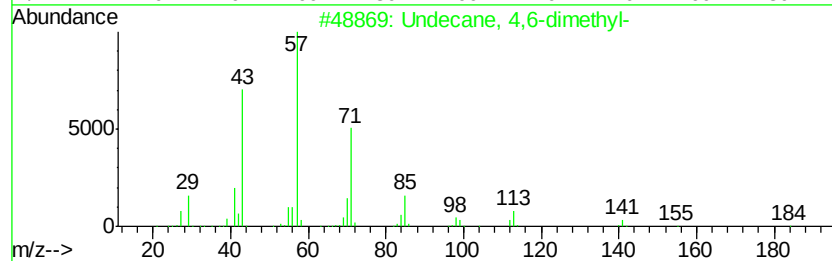
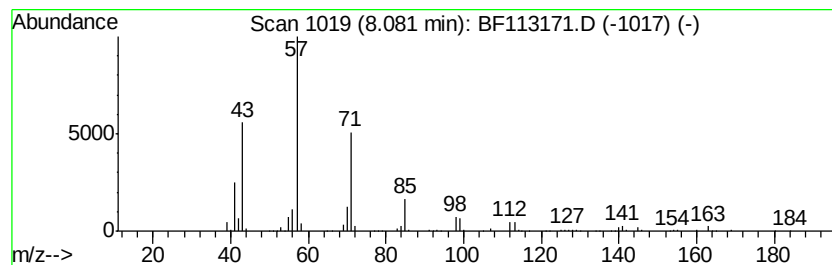
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Undecane, 4,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.08	6.09 ng	376715	Napthalene-d8	8.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	90
2		Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	87
3		Undecane, 6-ethyl-	184	C13H28	017312-60-6	78
4		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	59
5		Dodecane, 6-methyl-	184	C13H28	006044-71-9	58



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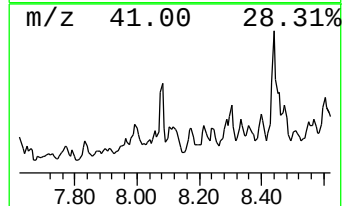
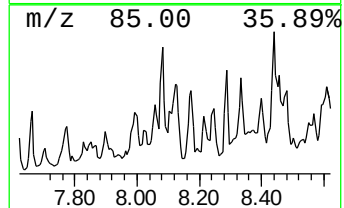
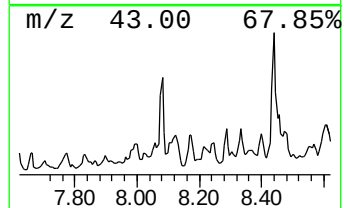
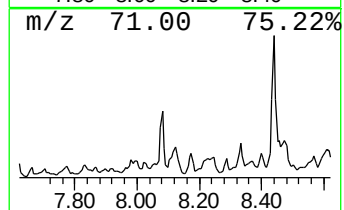
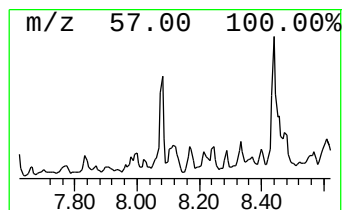
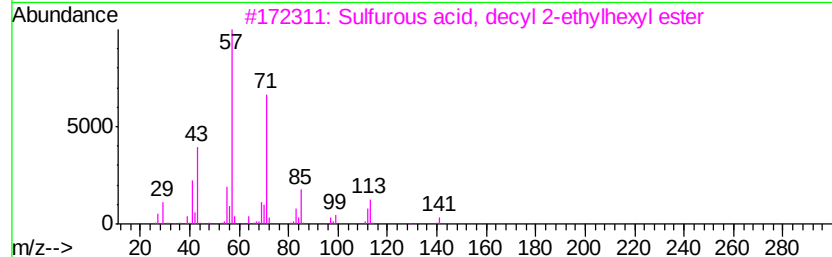
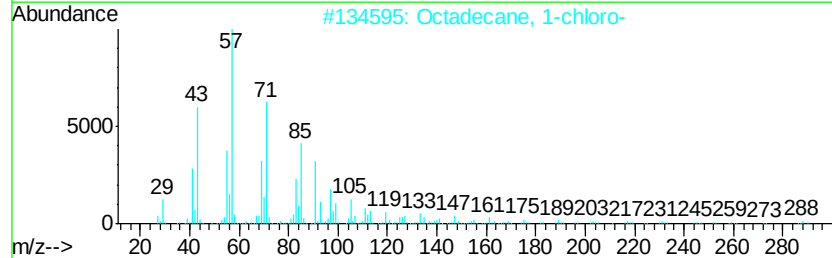
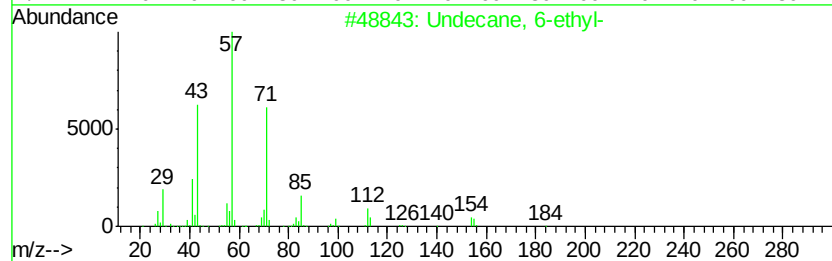
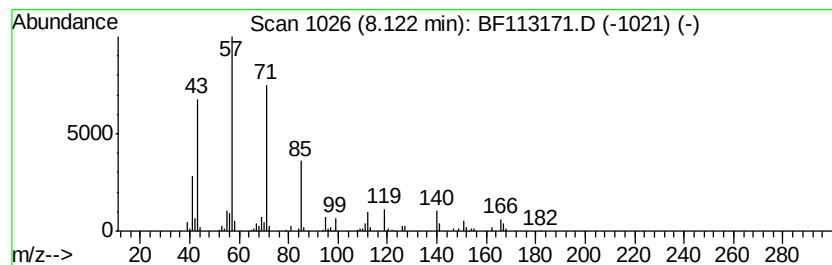
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Undecane, 6-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	7.99 ng	494482	Napthalene-d8	8.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	50
2		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	50
3		Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	47
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	43
5		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	43



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Data File : BF113171.D
Acq On : 20 Mar 2019 15:13
Operator : JU/SJ
Sample : K1984-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-11(6-7)

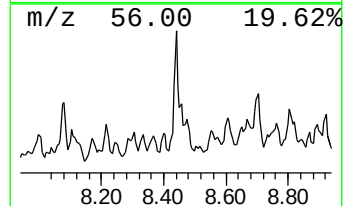
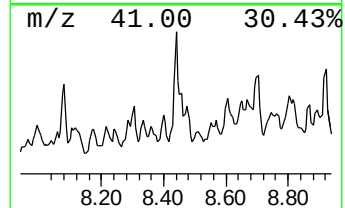
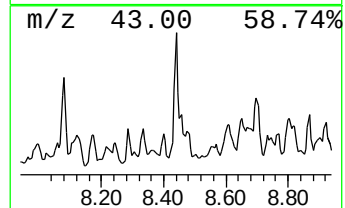
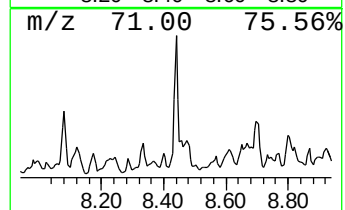
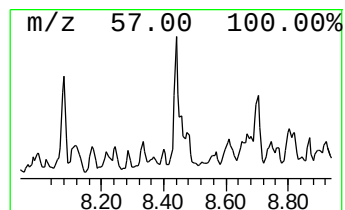
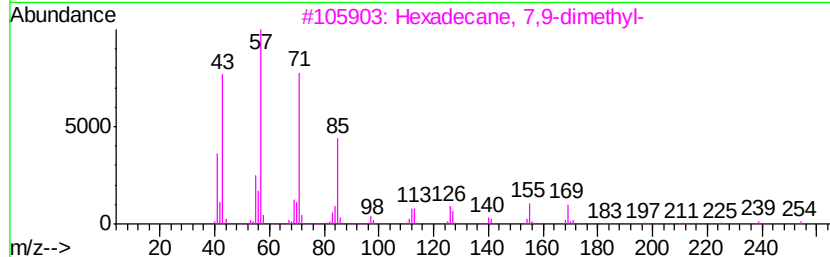
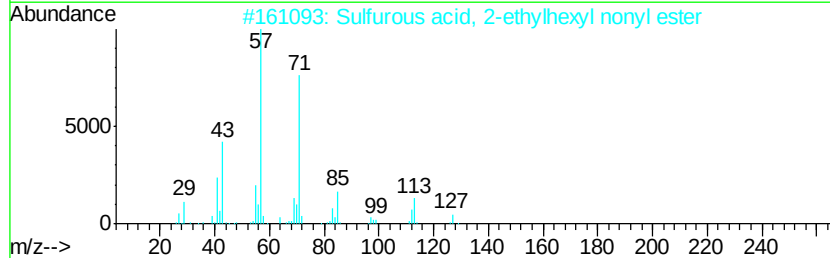
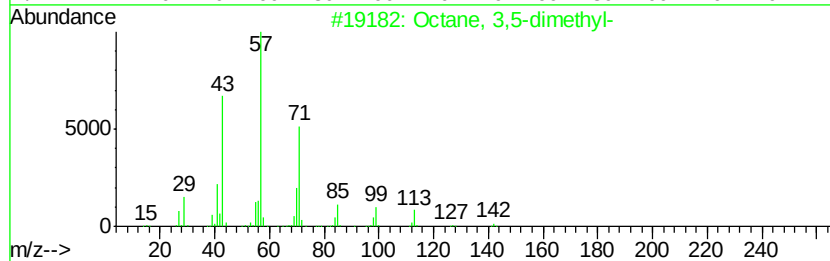
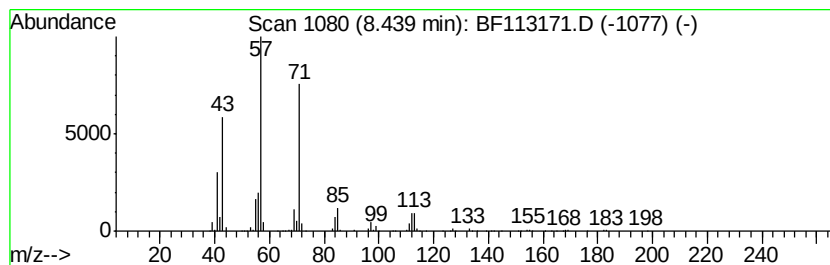
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octane, 3,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	16.60 ng	1027370	Napthalene-d8	8.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	72
2		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72
3		Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	64
4		Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
5		Hexadecane, 7-methyl-	240	C17H36	026730-20-1	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
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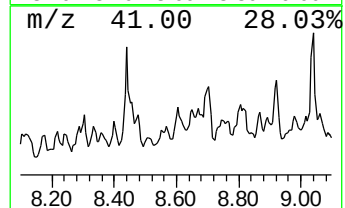
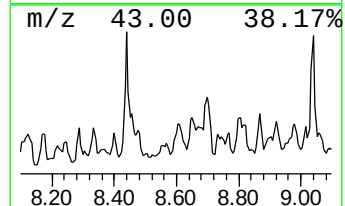
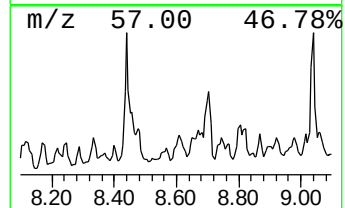
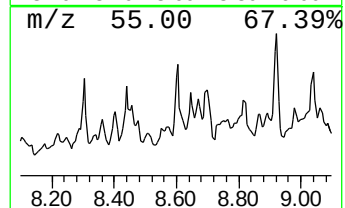
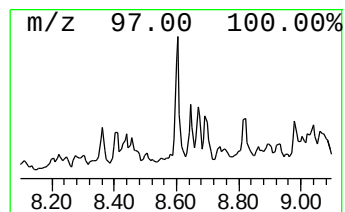
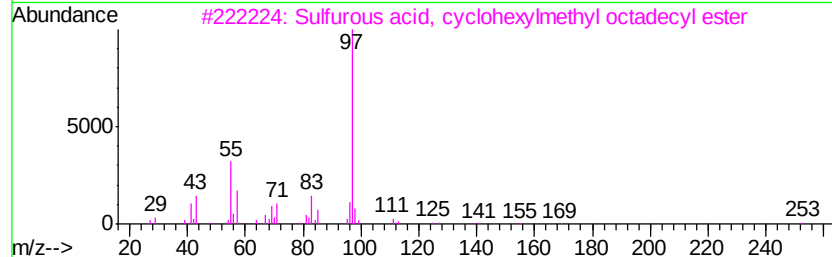
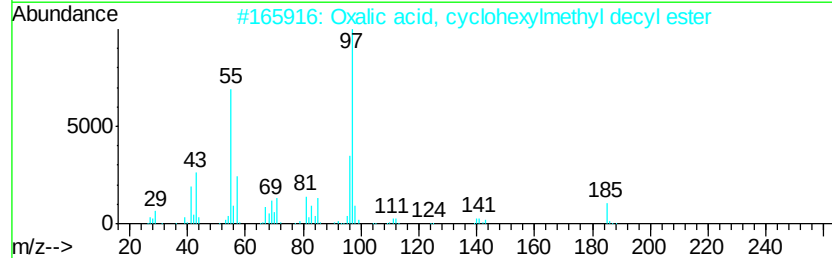
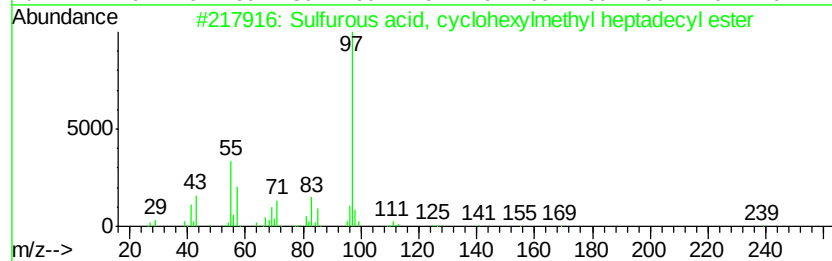
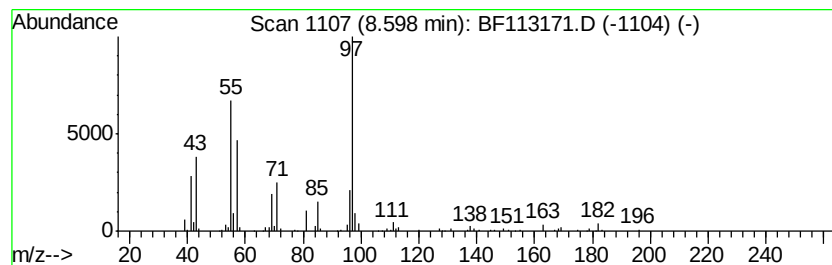
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Oxalic acid, cyclohexylmeth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.60	10.04 ng	621288	Naphthalene-d8	8.00		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	72
2		Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	72
3		Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	64
4		Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	64
5		Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113171.D
Acq On : 20 Mar 2019 15:13
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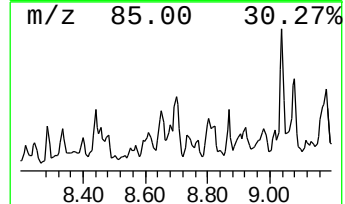
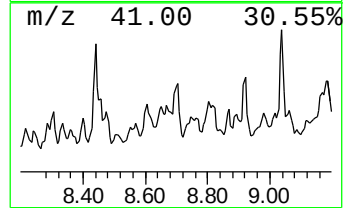
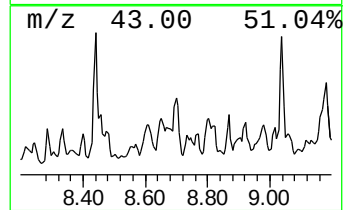
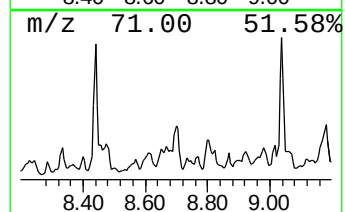
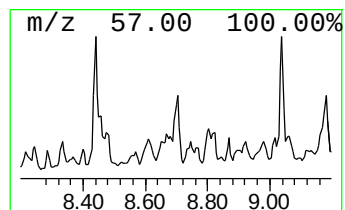
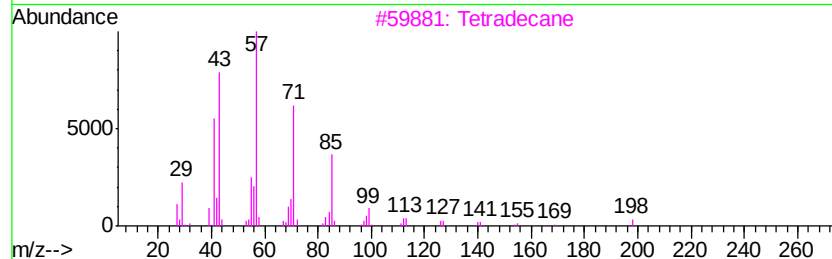
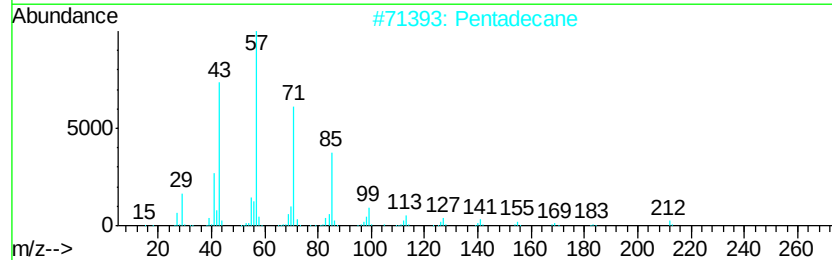
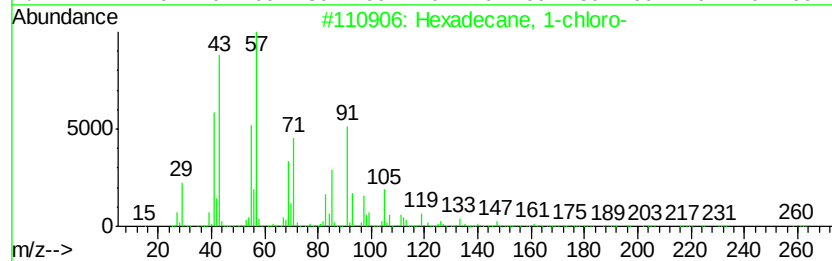
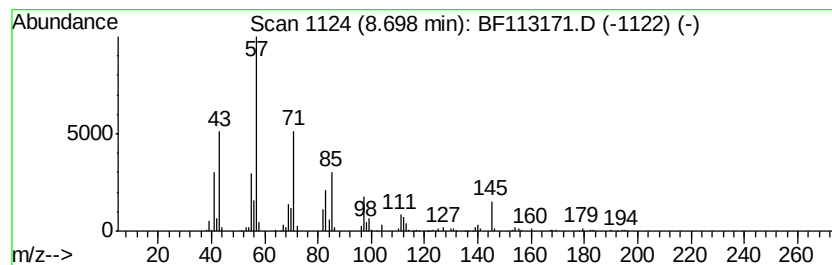
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecane, 1-chloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	11.09 ng	686035	Naphthalene-d8	8.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	64
2		Pentadecane	212	C15H32	000629-62-9	49
3		Tetradecane	198	C14H30	000629-59-4	47
4		Undecane, 6-ethyl-	184	C13H28	017312-60-6	47
5		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
 Data File : BF113171.D
 Acq On : 20 Mar 2019 15:13
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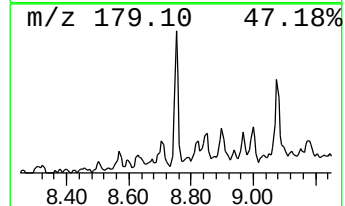
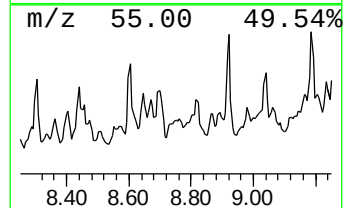
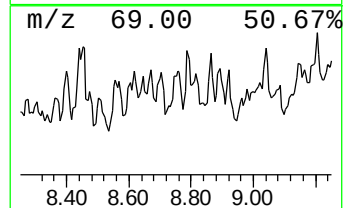
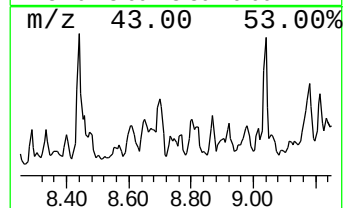
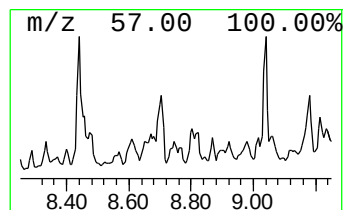
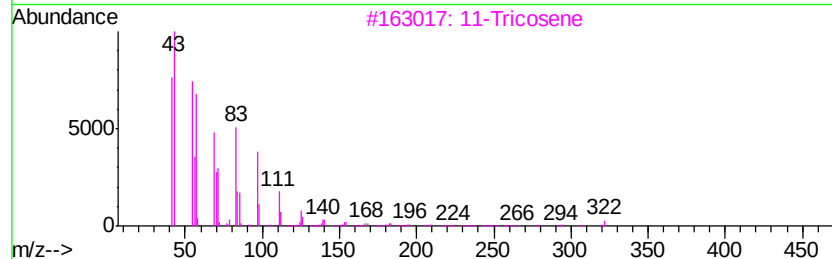
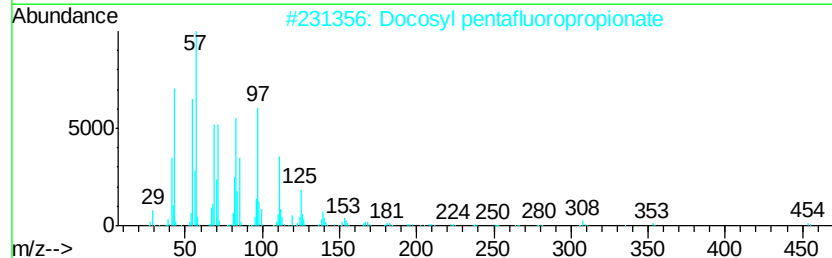
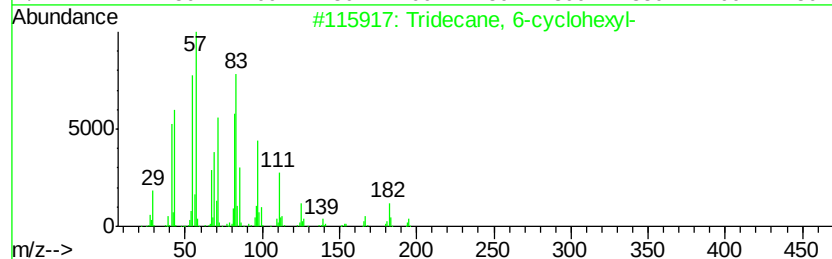
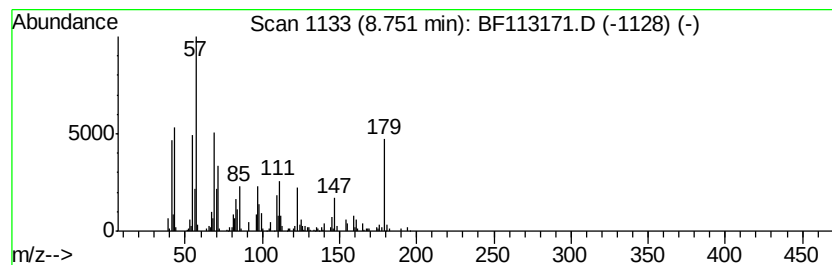
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 8 unknown8.75 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	5.48 ng	338869	Napthalene-d8	8.00

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane, 6-cyclohexyl-	266	C19H38	013151-91-2	27
2		Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	22
3		11-Tricosene	322	C23H46	052078-56-5	18
4		1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	14
5		1-Hexene-3,5-dione	112	C6H8O2	052204-69-0	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
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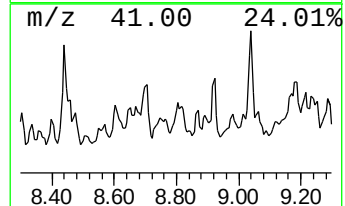
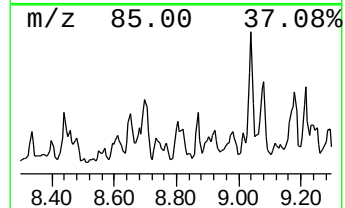
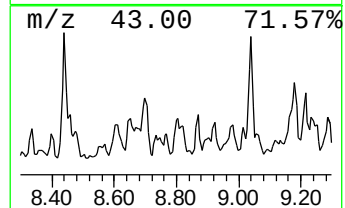
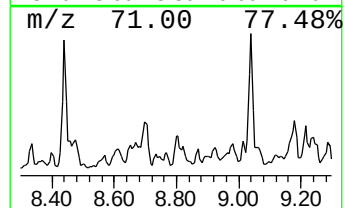
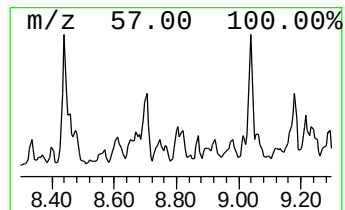
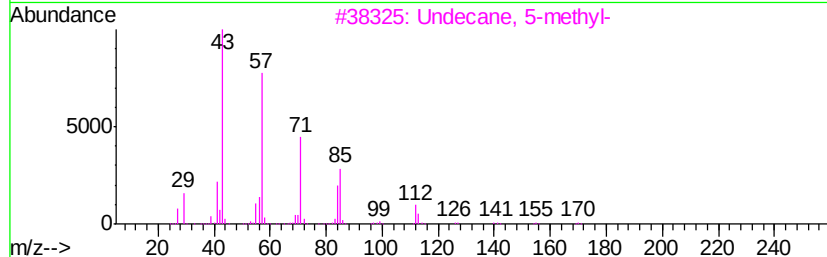
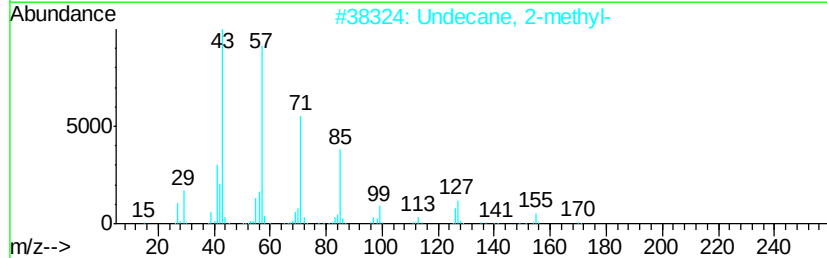
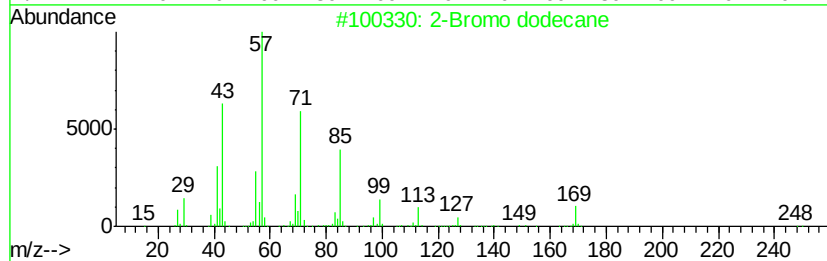
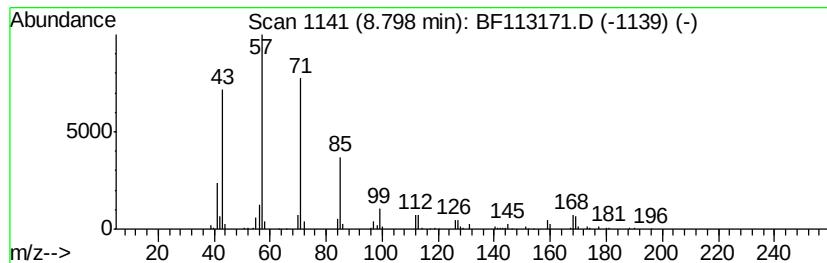
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 2-Bromo dodecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	5.58 ng	345233	Napthalene-d8	8.00
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Bromo dodecane	248 C12H25Br	013187-99-0	83
2	Undecane, 2-methyl-	170 C12H26	007045-71-8	80
3	Undecane, 5-methyl-	170 C12H26	001632-70-8	74
4	Decane, 3,6-dimethyl-	170 C12H26	017312-53-7	68
5	Sulfurous acid, butyl dodecyl ester	306 C16H34O3S	1000309-17-9	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113171.D
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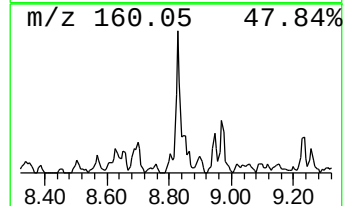
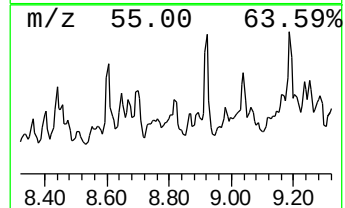
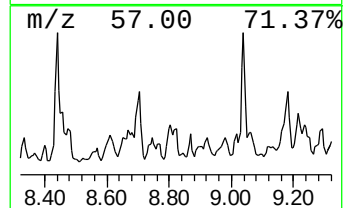
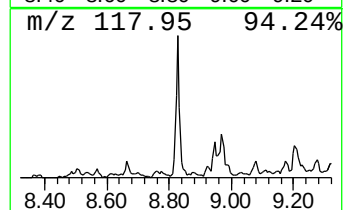
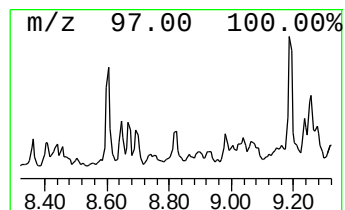
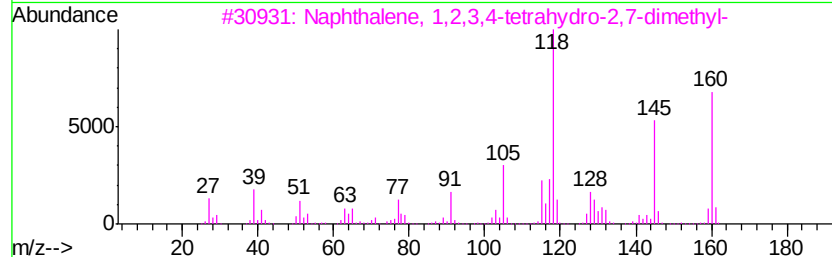
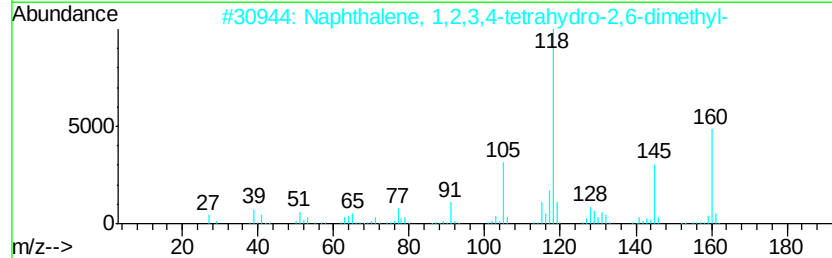
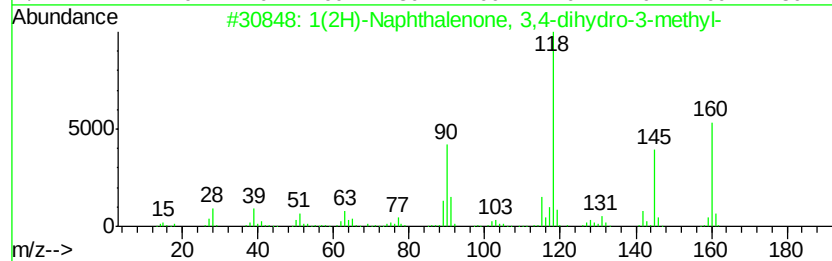
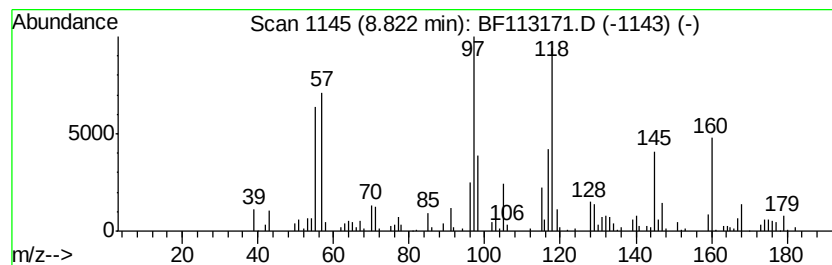
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown8.82 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	6.86 ng	424709	Naphthalene-d8	8.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	46
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	46
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	38
4			Diboroxide, trimethylphenyl-	160	C9H14B2O	1000162-60-0	27
5			Phenethyl alcohol, 2-(1-hydroxye...	180	C11H16O2	030314-65-9	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
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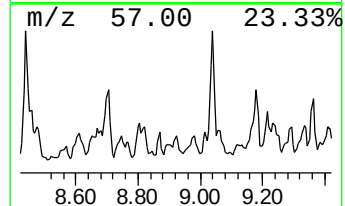
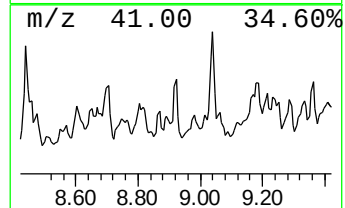
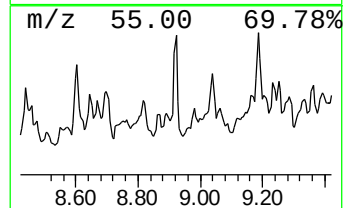
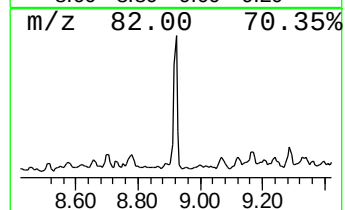
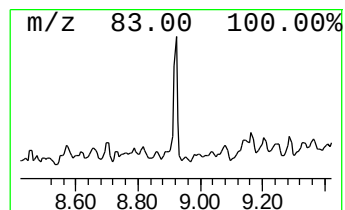
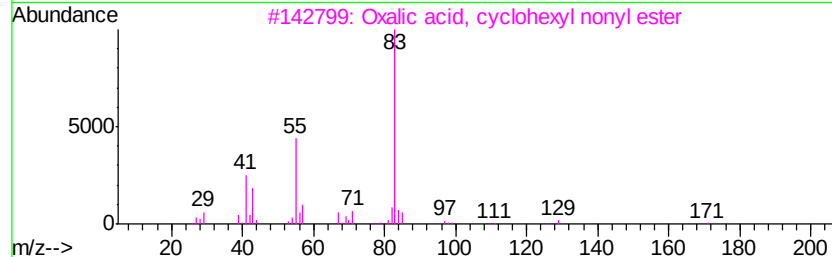
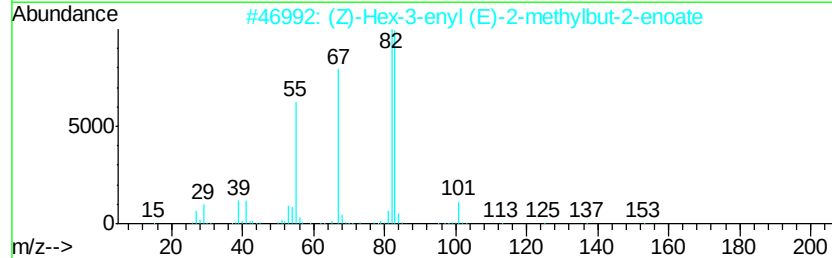
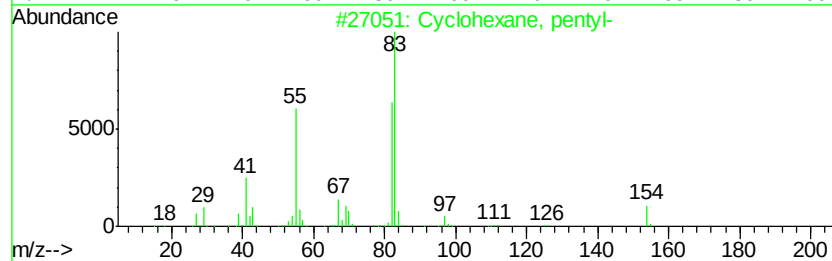
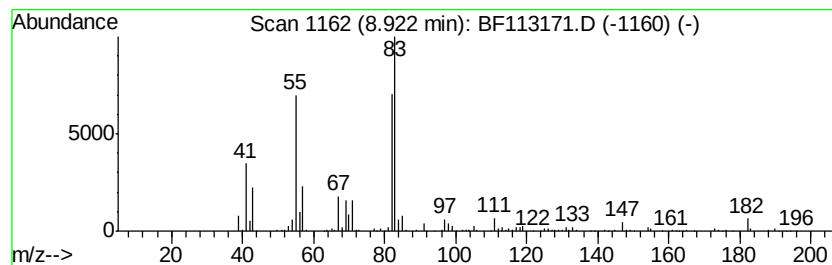
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclohexane, pentyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	5.77 ng	447832	Acenaphthene-d10	9.76
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, pentyl-	154 C11H22	004292-92-6 76
2		(Z)-Hex-3-enyl (E)-2-methylbut-2...	182 C11H18O2	1000373-73-0 59
3		Oxalic acid, cyclohexyl nonyl ester	298 C17H30O4	1000309-31-1 49
4		Oxalic acid, cyclohexyl decyl ester	312 C18H32O4	1000309-31-2 49
5		4-Pentenoic acid, 2,4-dimethyl-,...	142 C8H14O2	034998-29-3 47



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113171.D
Acq On : 20 Mar 2019 15:13
Operator : JU/SJ
Sample : K1984-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-11(6-7)

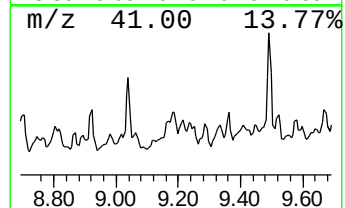
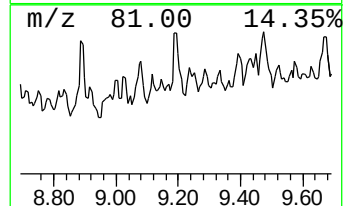
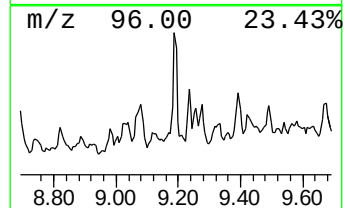
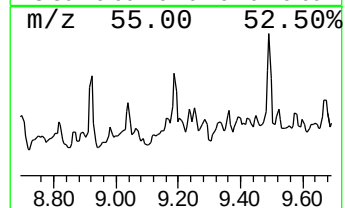
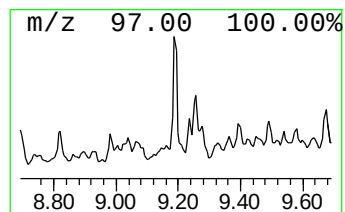
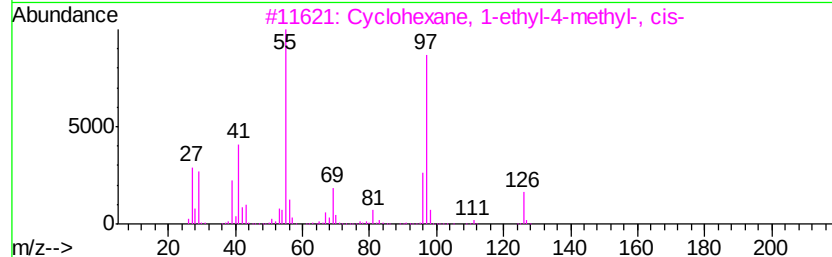
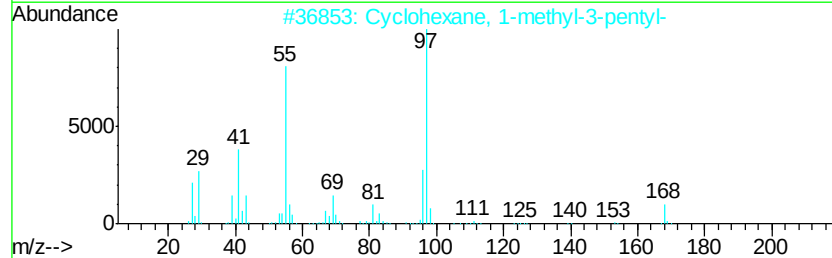
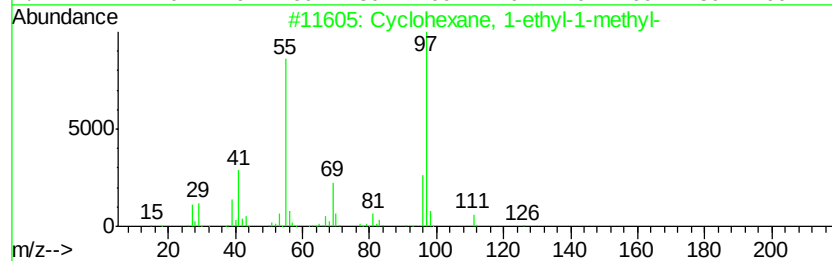
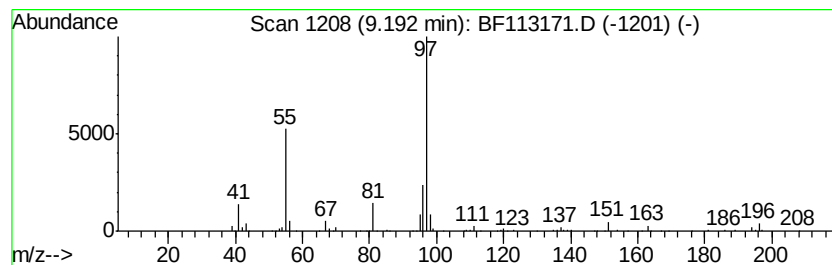
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclohexane, 1-ethyl-1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	7.59 ng	589756	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	50
2		Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	50
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	50
4		Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	50
5		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113171.D
Acq On : 20 Mar 2019 15:13
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Sample : K1984-03
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ALS Vial : 10 Sample Multiplier: 1

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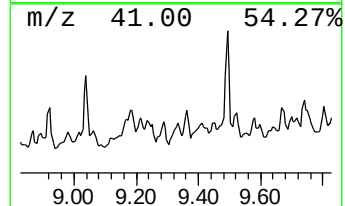
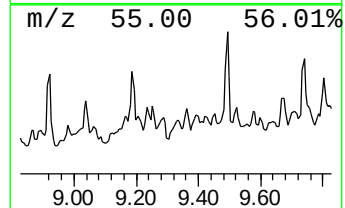
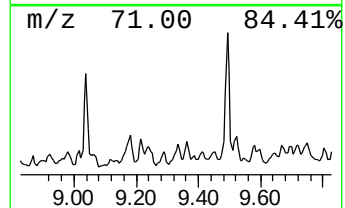
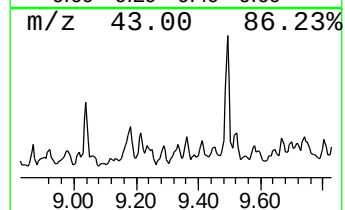
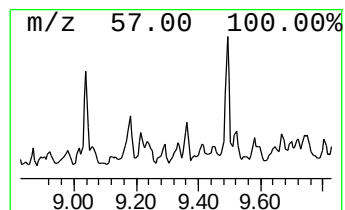
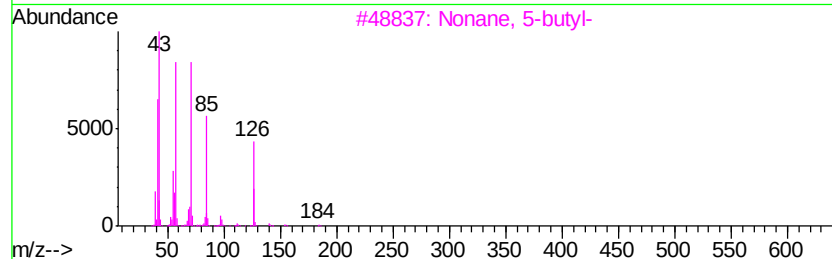
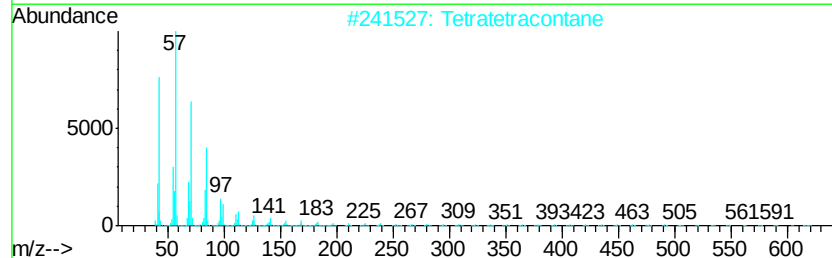
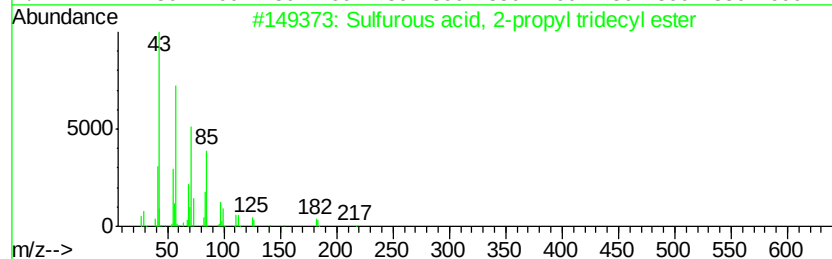
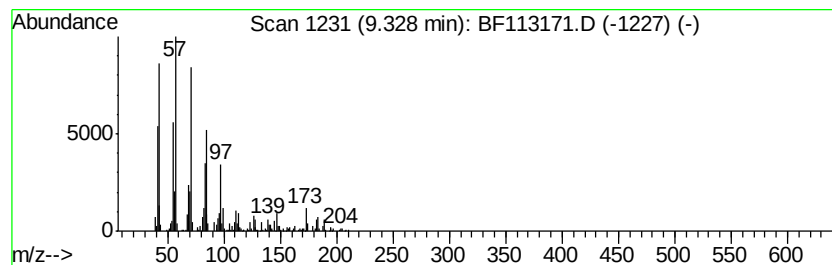
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Sulfurous acid, 2-propyl tr... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	7.09 ng	550711	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	90
2		Tetratetracontane	619	C44H90	007098-22-8	80
3		Nonane, 5-butyl-	184	C13H28	017312-63-9	78
4		Dodecane, 4-methyl-	184	C13H28	006117-97-1	58
5		Tetracosane	338	C24H50	000646-31-1	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113171.D
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Sample : K1984-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

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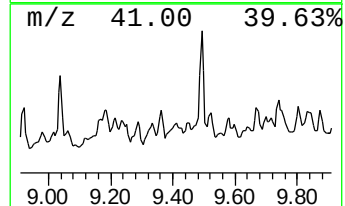
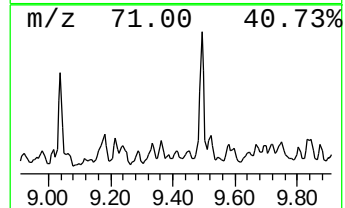
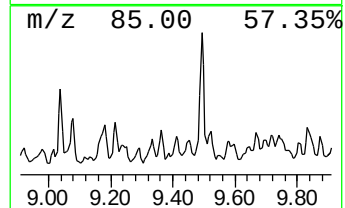
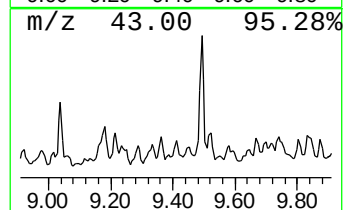
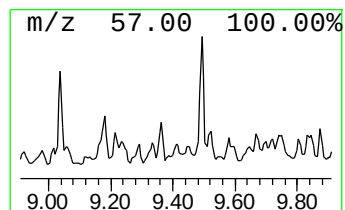
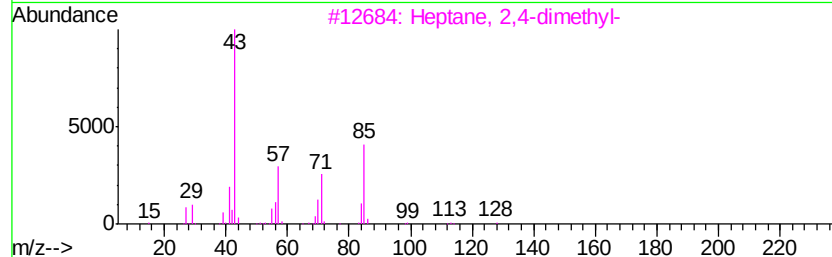
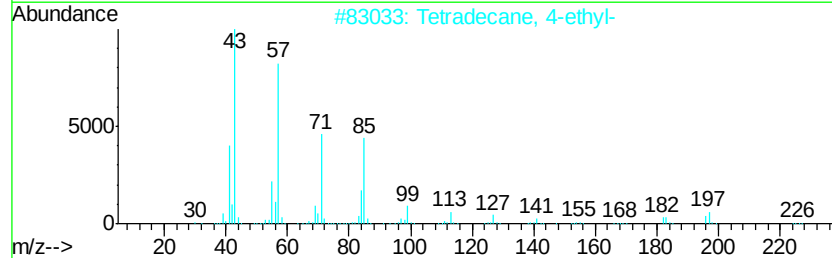
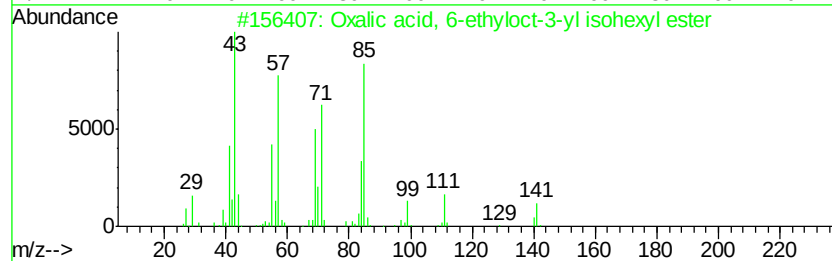
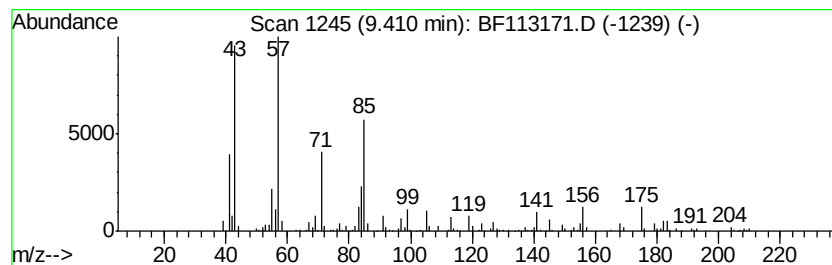
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Oxalic acid, 6-ethyloct-3-y... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	7.85 ng	609581	Acenaphthene-d10	9.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, 6-ethyloct-3-yl iso...	314	C18H34O4	1000309-34-3	64
2			Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	47
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47
4			Oxalic acid, 6-ethyloct-3-yl hep...	328	C19H36O4	1000309-34-5	47
5			Tetradecane, 5-methyl-	212	C15H32	025117-32-2	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
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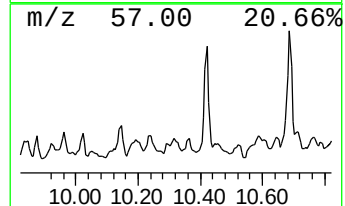
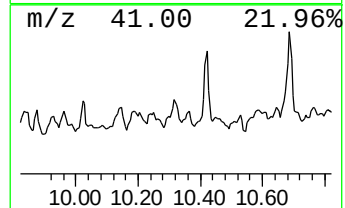
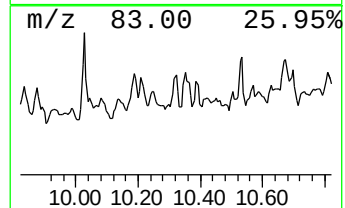
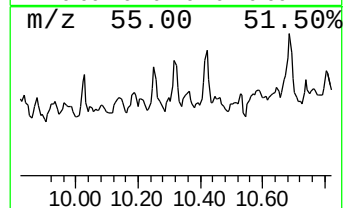
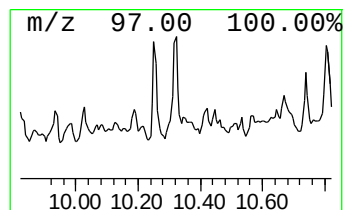
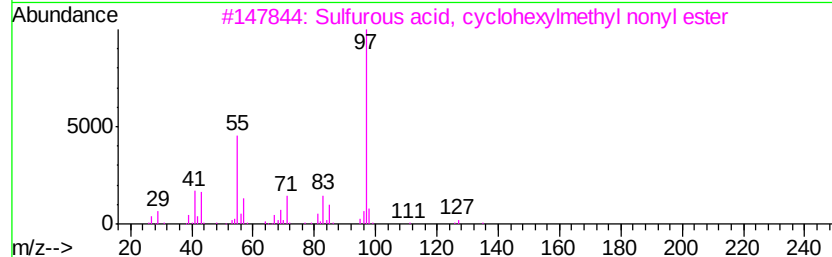
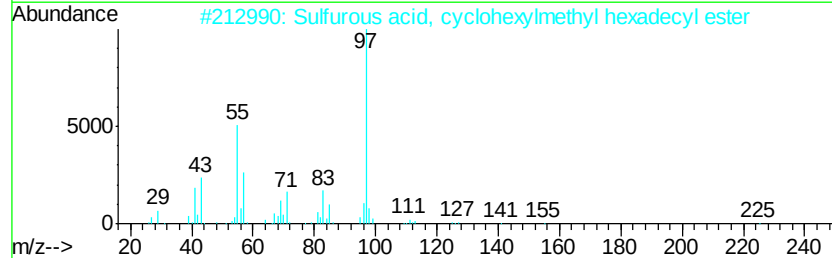
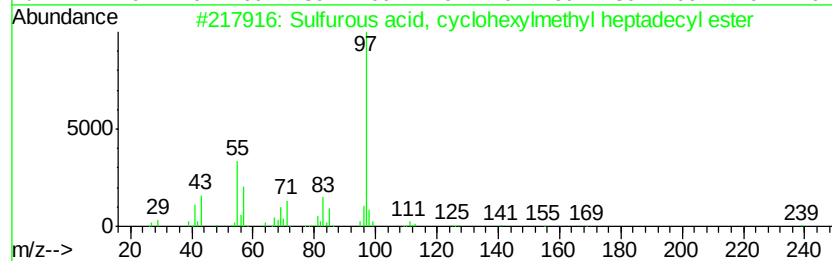
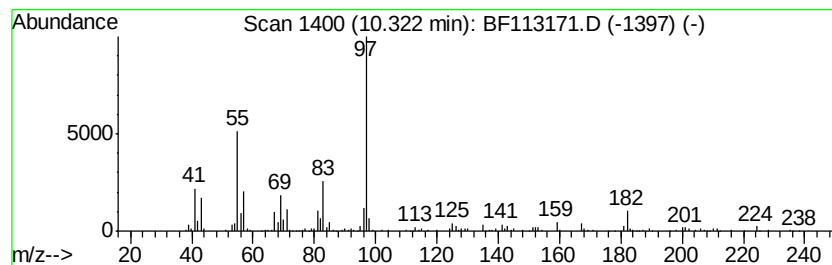
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Sulfurous acid, cyclohexylm... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.32	6.64 ng	515490	Acenaphthene-d10	9.76	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	80
2	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	72
3	Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	72
4	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	72
5	Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
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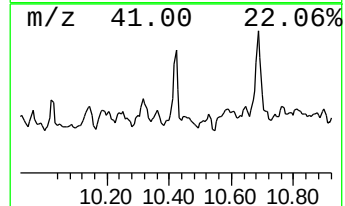
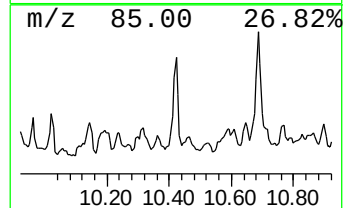
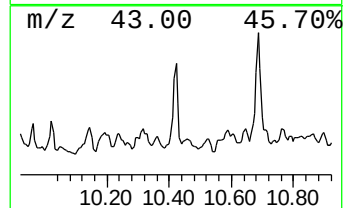
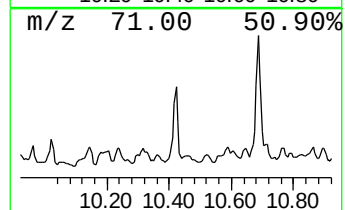
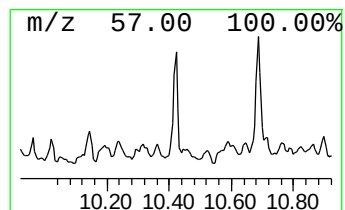
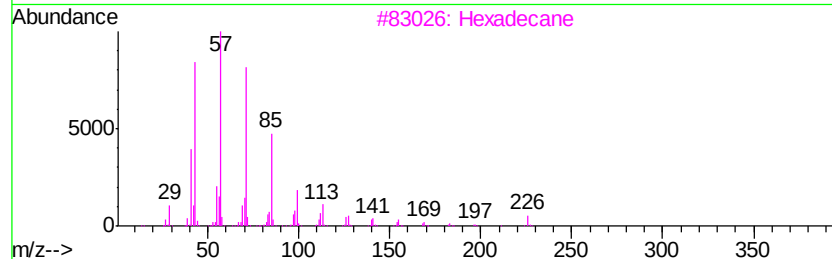
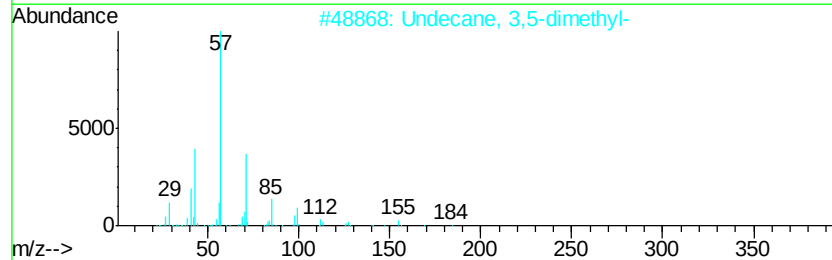
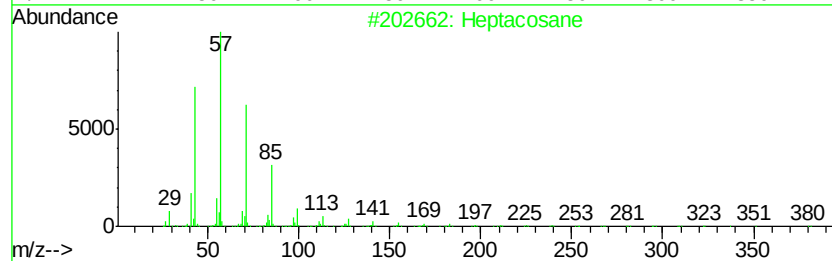
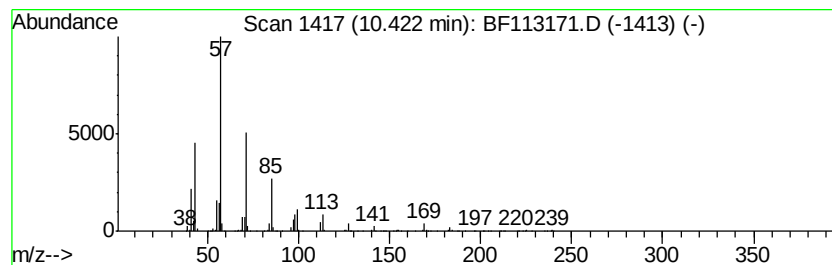
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Heptacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	15.94 ng	1238180	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	86
2		Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	81
3		Hexadecane	226	C16H34	000544-76-3	80
4		Heptadecane, 4-propyl-	282	C20H42	055044-10-5	78
5		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
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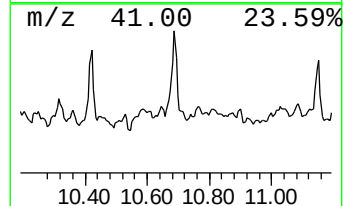
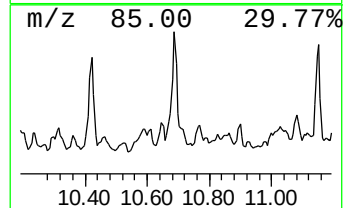
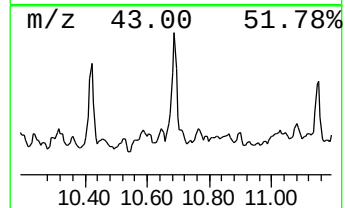
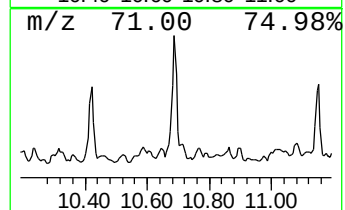
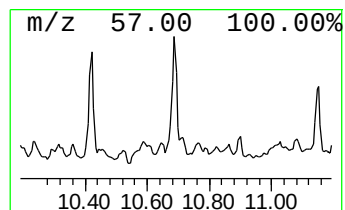
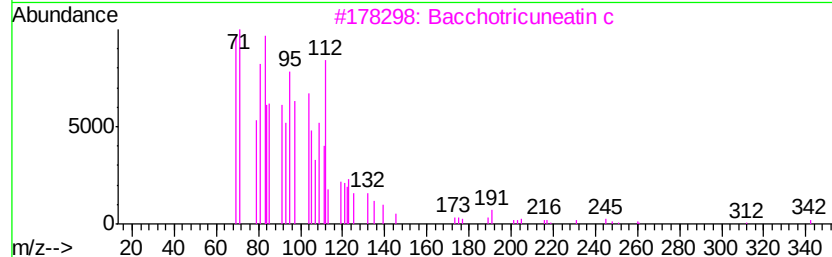
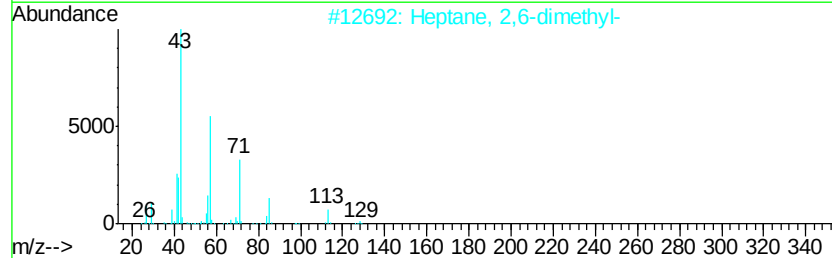
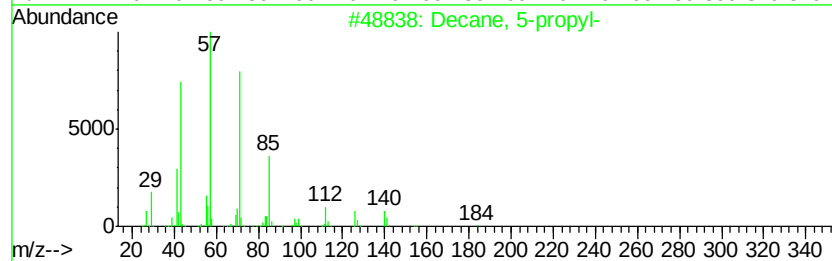
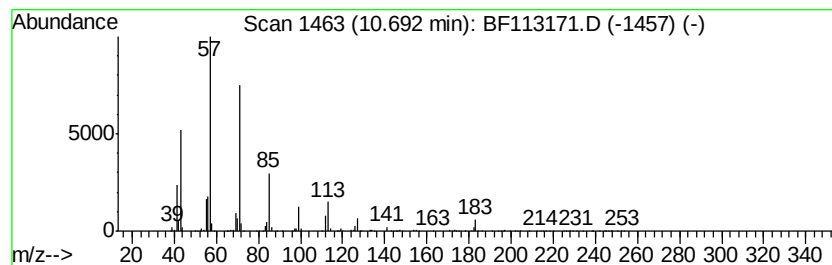
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Decane, 5-propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.69	53.52 ng	1888890	Phenanthrene-d10		11.24
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-propyl-	184	C13H28	017312-62-8	80
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	74
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	70
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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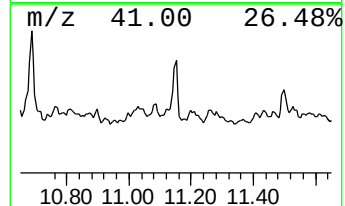
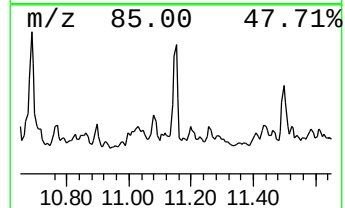
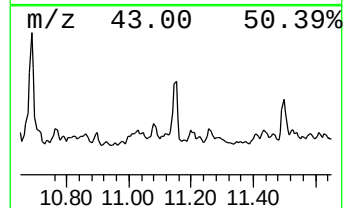
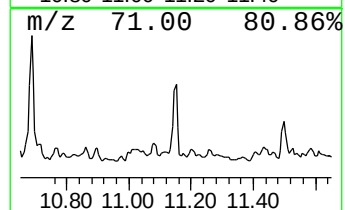
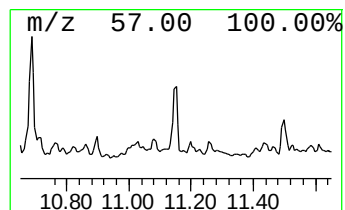
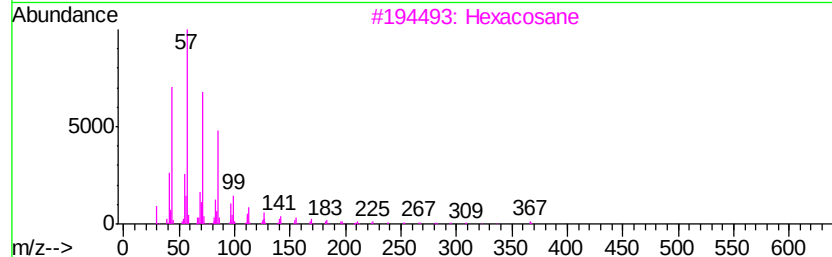
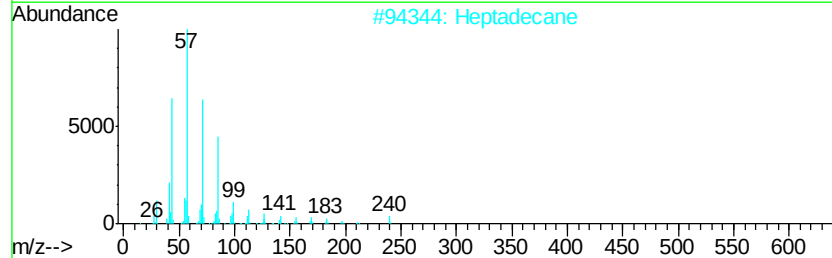
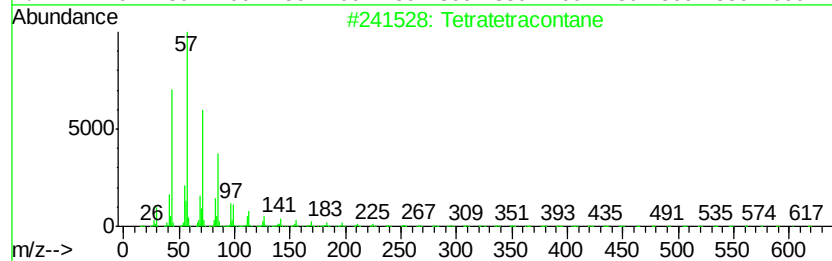
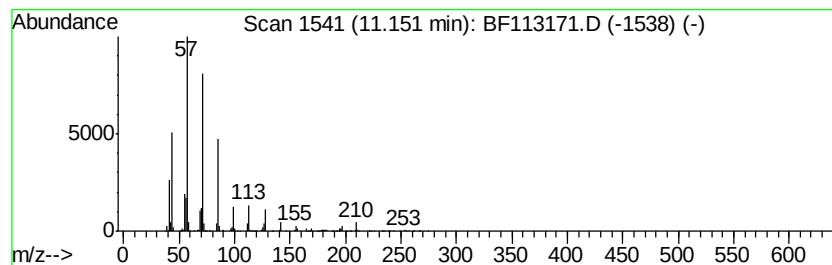
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Tetratetracontane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	32.50 ng	1146940	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetratetracontane	619	C44H90	007098-22-8	83
2		Heptadecane	240	C17H36	000629-78-7	83
3		Hexacosane	366	C26H54	000630-01-3	78
4		Decane, 3-methyl-	156	C11H24	013151-34-3	74
5		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113171.D
Acq On : 20 Mar 2019 15:13
Operator : JU/SJ
Sample : K1984-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-11(6-7)

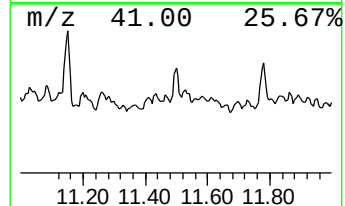
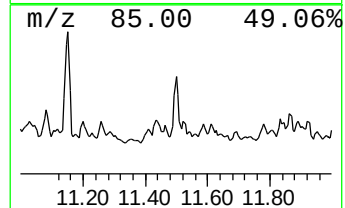
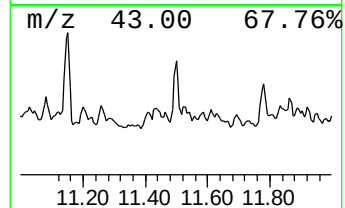
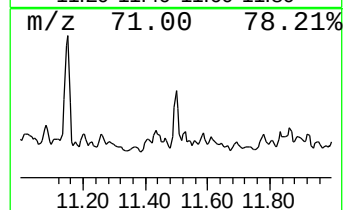
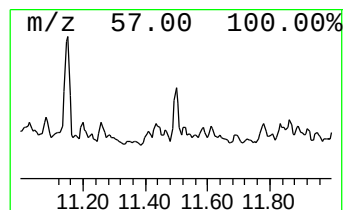
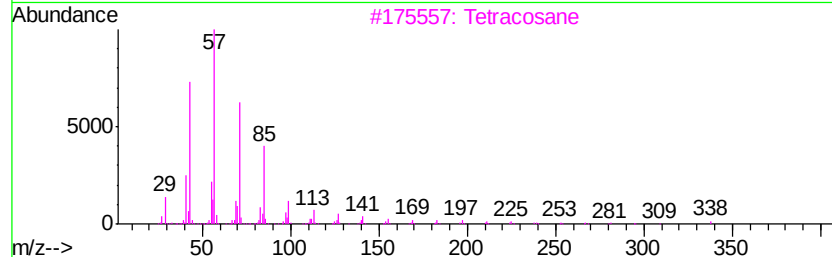
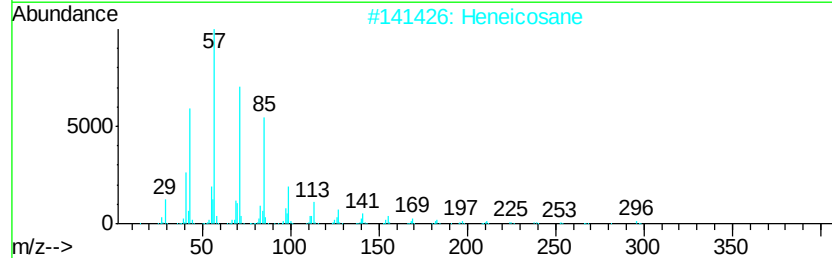
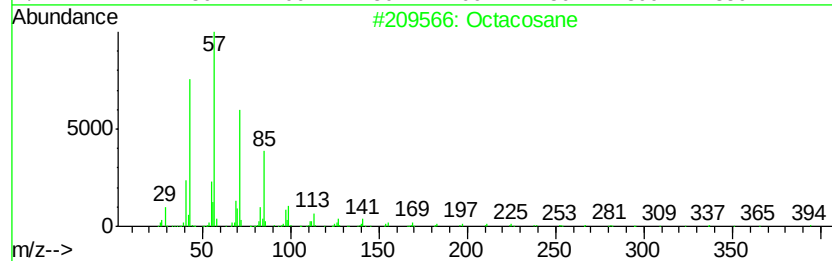
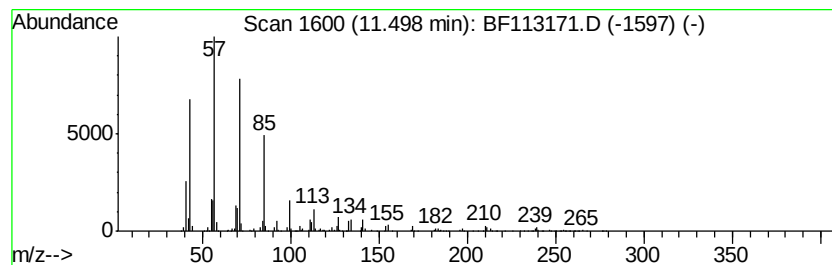
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Octacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	17.72 ng	625534	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	87
2		Heneicosane	296	C21H44	000629-94-7	87
3		Tetracosane	338	C24H50	000646-31-1	87
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
5		Octadecane	254	C18H38	000593-45-3	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113171.D
Acq On : 20 Mar 2019 15:13
Operator : JU/SJ
Sample : K1984-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-11(6-7)

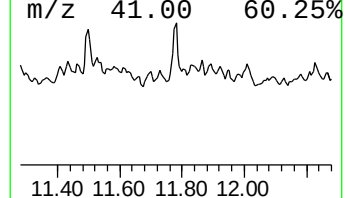
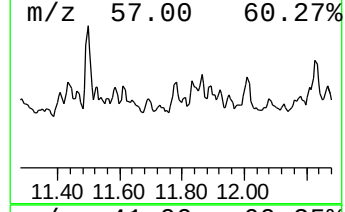
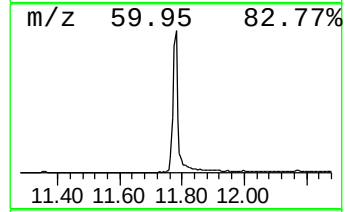
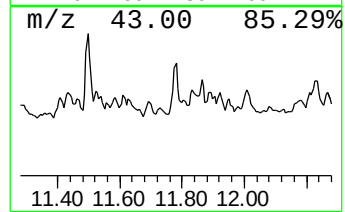
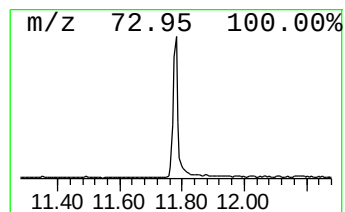
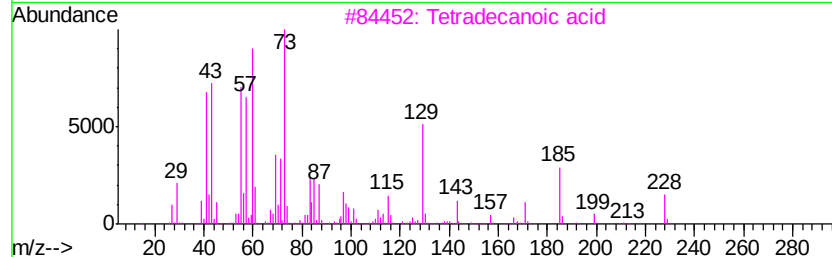
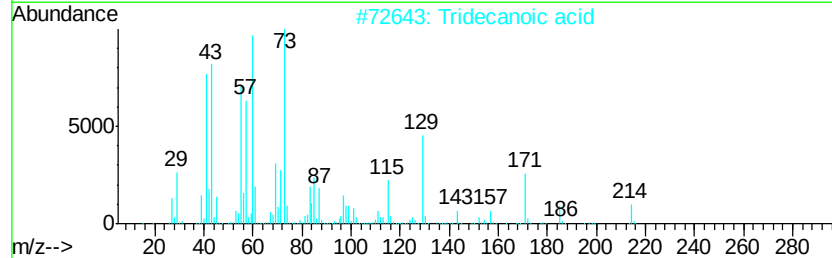
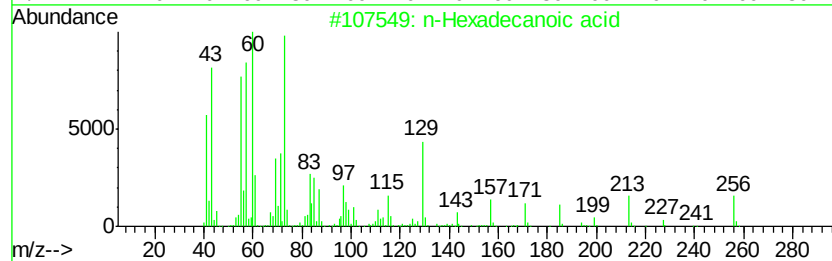
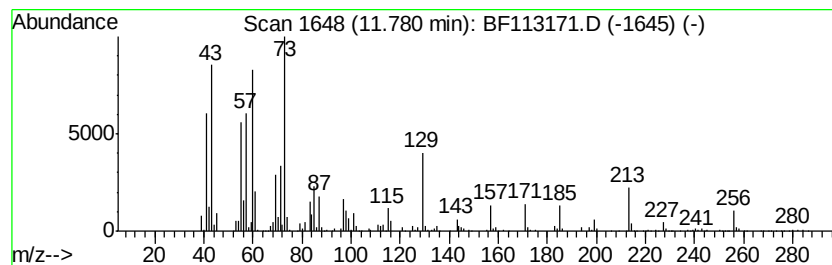
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	12.73 ng	449409	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2		Tridecanoic acid	214	C13H26O2	000638-53-9	72
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	70
4		n-Decanoic acid	172	C10H20O2	000334-48-5	60
5		Dodecanoic acid	200	C12H24O2	000143-07-7	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
 Data File : BF113171.D
 Acq On : 20 Mar 2019 15:13
 Operator : JU/SJ
 Sample : K1984-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(6-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
unknown6.49	6.49	58.2	ng	2488340	1	6.72	855661	20.0
Undecane, 4,6-dim...	8.08	6.1	ng	376715	2	8.00	1237430	20.0
Undecane, 6-ethyl-	8.12	8.0	ng	494482	2	8.00	1237430	20.0
Octane, 3,5-dimet...	8.44	16.6	ng	1027370	2	8.00	1237430	20.0
Oxalic acid, cycl...	8.60	10.0	ng	621288	2	8.00	1237430	20.0
Hexadecane, 1-chl...	8.70	11.1	ng	686035	2	8.00	1237430	20.0
unknown8.75	8.75	5.5	ng	338869	2	8.00	1237430	20.0
2-Bromo dodecane	8.80	5.6	ng	345233	2	8.00	1237430	20.0
unknown8.82	8.82	6.9	ng	424709	2	8.00	1237430	20.0
Cyclohexane, pentyl-	8.92	5.8	ng	447832	3	9.76	1553440	20.0
Cyclohexane, 1-et...	9.19	7.6	ng	589756	3	9.76	1553440	20.0
Sulfurous acid, 2...	9.33	7.1	ng	550711	3	9.76	1553440	20.0
Oxalic acid, 6-et...	9.41	7.8	ng	609581	3	9.76	1553440	20.0
Sulfurous acid, c...	10.32	6.6	ng	515490	3	9.76	1553440	20.0
Heptacosane	10.42	15.9	ng	1238180	3	9.76	1553440	20.0
Decane, 5-propyl-	10.69	53.5	ng	1888890	4	11.24	705851	20.0
Tetratetracontane	11.15	32.5	ng	1146940	4	11.24	705851	20.0
Octacosane	11.50	17.7	ng	625534	4	11.24	705851	20.0
n-Hexadecanoic acid	11.78	12.7	ng	449409	4	11.24	705851	20.0