

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031819\
 Data File : BF113104.D
 Acq On : 18 Mar 2019 21:33
 Operator : JU/SJ
 Sample : K1691-15 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-031519-D

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	550	553	564	rBV	368889	396818	24.24%	2.533%
2	6.369	725	728	742	rBV	419640	465661	28.45%	2.972%
3	6.498	747	750	758	rVV	544376	472206	28.85%	3.014%
4	6.575	761	763	769	rVB	60207	52487	3.21%	0.335%
5	6.728	786	789	793	rBV	1077638	891212	54.45%	5.689%
6	6.793	797	800	804	rVB3	14246	17259	1.05%	0.110%
7	6.881	812	815	820	rBV	412529	395032	24.13%	2.521%
8	7.016	834	838	841	rVB3	21611	30772	1.88%	0.196%
9	7.051	841	844	846	rBV2	24938	23408	1.43%	0.149%
10	7.081	846	849	854	rVB	25620	22549	1.38%	0.144%
11	7.128	854	857	860	rBV	48604	38082	2.33%	0.243%
12	7.287	877	884	890	rBV	252948	303610	18.55%	1.938%
13	7.340	890	893	896	rVV	174226	142163	8.69%	0.907%
14	7.381	896	900	904	rVB4	25981	38975	2.38%	0.249%
15	7.451	909	912	916	rVV3	28786	33668	2.06%	0.215%
16	7.498	916	920	923	rVV4	13029	28052	1.71%	0.179%
17	7.540	923	927	930	rVB3	32141	53500	3.27%	0.341%
18	7.640	939	944	946	rBV4	28726	45743	2.79%	0.292%
19	7.704	952	955	958	rBV2	29985	34697	2.12%	0.221%
20	7.740	958	961	963	rVV	43486	43520	2.66%	0.278%
21	7.775	965	967	971	rVV2	59093	63727	3.89%	0.407%
22	7.822	971	975	976	rVV	42289	40739	2.49%	0.260%
23	7.851	976	980	983	rVB3	29295	44180	2.70%	0.282%
24	7.957	996	998	999	rBV	22596	18284	1.12%	0.117%
25	8.010	1003	1007	1015	rVV	1649072	1636848	100.00%	10.448%
26	8.087	1018	1020	1022	rVV	117650	92771	5.67%	0.592%
27	8.110	1022	1024	1027	rVV3	34808	36796	2.25%	0.235%
28	8.140	1027	1029	1032	rVB3	24846	19353	1.18%	0.124%
29	8.187	1032	1037	1039	rBV3	18746	29751	1.82%	0.190%
30	8.257	1046	1049	1051	rBV2	21800	18926	1.16%	0.121%
31	8.310	1054	1058	1061	rVV5	75490	105899	6.47%	0.676%
32	8.369	1065	1068	1070	rVV2	61471	52047	3.18%	0.332%
33	8.398	1070	1073	1077	rVV2	85617	83056	5.07%	0.530%
34	8.445	1077	1081	1086	rVV	156058	175098	10.70%	1.118%

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35	8.481	1086	1087	1090	rVB3	29151	18355	1.12%	0.117%
36	8.516	1090	1093	1097	rBV3	59669	57370	3.50%	0.366%
37	8.563	1097	1101	1102	rBV4	21209	23966	1.46%	0.153%
38	8.616	1106	1110	1114	rVV	478322	452863	27.67%	2.891%
39	8.675	1117	1120	1123	rVV3	63572	74835	4.57%	0.478%
40	8.710	1123	1126	1130	rVB3	55054	56556	3.46%	0.361%
41	8.769	1132	1136	1138	rBV3	15978	21145	1.29%	0.135%
42	8.834	1141	1147	1152	rBV4	57111	79913	4.88%	0.510%
43	8.898	1155	1158	1159	rBV2	50224	47450	2.90%	0.303%
44	8.916	1159	1161	1164	rVV3	37167	47675	2.91%	0.304%
45	8.945	1164	1166	1169	rVV2	37344	35444	2.17%	0.226%
46	8.975	1169	1171	1174	rVB	84620	68300	4.17%	0.436%
47	9.016	1175	1178	1180	rBV	49571	45199	2.76%	0.288%
48	9.045	1180	1183	1186	rVB2	122822	115115	7.03%	0.735%
49	9.086	1186	1190	1196	rBV	658335	655434	40.04%	4.184%
50	9.175	1202	1205	1209	rBV	444819	397228	24.27%	2.535%
51	9.239	1214	1216	1218	rVV	51872	50448	3.08%	0.322%
52	9.292	1222	1225	1229	rVB5	20574	23701	1.45%	0.151%
53	9.404	1241	1244	1245	rBV3	15424	16532	1.01%	0.106%
54	9.428	1245	1248	1250	rVV2	40299	52273	3.19%	0.334%
55	9.451	1250	1252	1254	rVV3	45558	36573	2.23%	0.233%
56	9.498	1254	1260	1262	rVV3	105463	167689	10.24%	1.070%
57	9.516	1262	1263	1266	rVV2	53148	39867	2.44%	0.254%
58	9.551	1267	1269	1273	rVB3	30442	29211	1.78%	0.186%
59	9.681	1288	1291	1292	rBV3	22042	18736	1.14%	0.120%
60	9.704	1292	1295	1299	rVV	235887	184519	11.27%	1.178%
61	9.763	1299	1305	1315	rVV	1397585	1380101	84.31%	8.809%
62	9.875	1321	1324	1327	rVB3	14065	18311	1.12%	0.117%
63	9.934	1331	1334	1337	rBV5	16187	21503	1.31%	0.137%
64	9.963	1337	1339	1342	rVB4	19442	17747	1.08%	0.113%
65	10.028	1347	1350	1354	rVB4	30123	30780	1.88%	0.196%
66	10.204	1376	1380	1383	rBV	113078	102584	6.27%	0.655%
67	10.304	1395	1397	1404	rVB5	15338	24576	1.50%	0.157%
68	10.422	1413	1417	1423	rVB	46821	48034	2.93%	0.307%
69	10.504	1429	1431	1434	rBV3	17324	17726	1.08%	0.113%
70	10.551	1435	1439	1447	rBV	233522	293014	17.90%	1.870%
71	10.675	1457	1460	1467	rVB	106930	142237	8.69%	0.908%

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72	11.122	1533	1536	1538	rBV	81244	71670	4.38%	0.457%
73	11.151	1538	1541	1546	rVB2	37372	39034	2.38%	0.249%
74	11.239	1552	1556	1564	rBV	1197482	1273337	77.79%	8.128%
75	11.316	1567	1569	1574	rVB	25710	27800	1.70%	0.177%
76	11.545	1605	1608	1612	rBV2	61972	59184	3.62%	0.378%
77	11.639	1622	1624	1630	rVB3	20903	26029	1.59%	0.166%
78	11.710	1633	1636	1639	rBV4	13411	19465	1.19%	0.124%
79	11.775	1644	1647	1656	rVV4	75814	116813	7.14%	0.746%
80	11.851	1658	1660	1664	rVV2	27897	37656	2.30%	0.240%
81	11.916	1668	1671	1674	rBV3	17594	16524	1.01%	0.105%
82	11.951	1674	1677	1679	rBV	52087	42256	2.58%	0.270%
83	12.175	1712	1715	1720	rBV6	13103	25220	1.54%	0.161%
84	12.233	1720	1725	1728	rBV6	15196	32437	1.98%	0.207%
85	12.339	1738	1743	1747	rBV3	87980	135131	8.26%	0.863%
86	12.451	1759	1762	1765	rVB	90528	85808	5.24%	0.548%
87	12.675	1797	1800	1803	rBV	94170	91681	5.60%	0.585%
88	12.704	1803	1805	1808	rVB2	47529	41505	2.54%	0.265%
89	12.816	1821	1824	1832	rBV	551899	557072	34.03%	3.556%
90	13.063	1863	1866	1870	rBV3	48404	51483	3.15%	0.329%
91	13.869	1999	2003	2010	rBV	1259830	1286314	78.58%	8.210%
92	15.280	2239	2243	2247	rBV	620373	770582	47.08%	4.919%

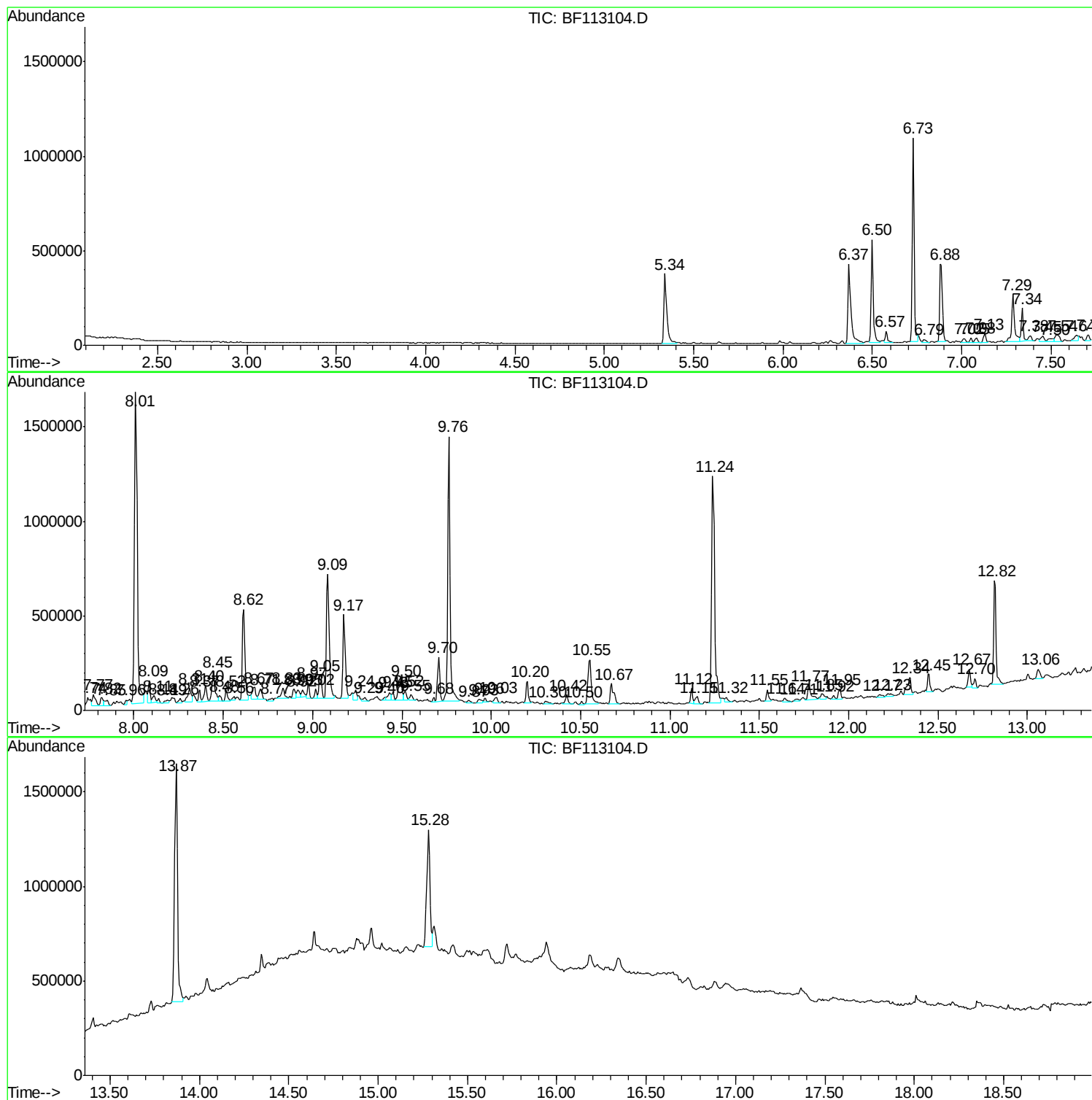
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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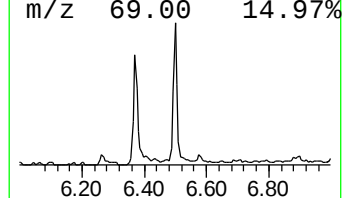
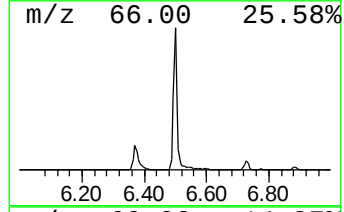
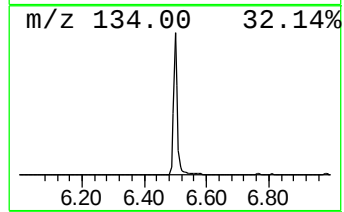
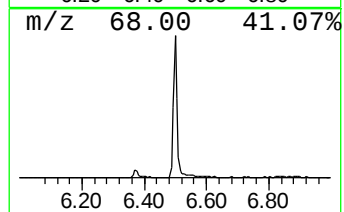
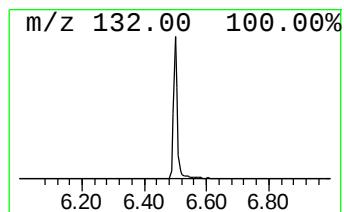
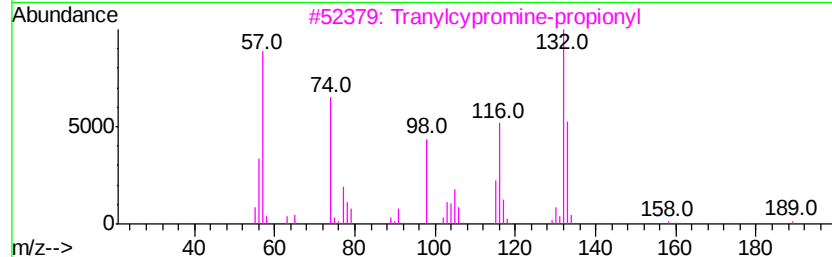
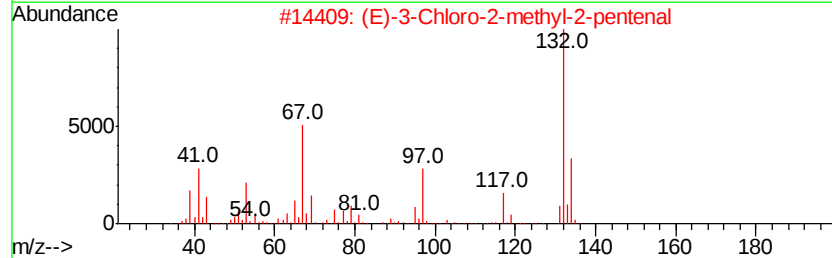
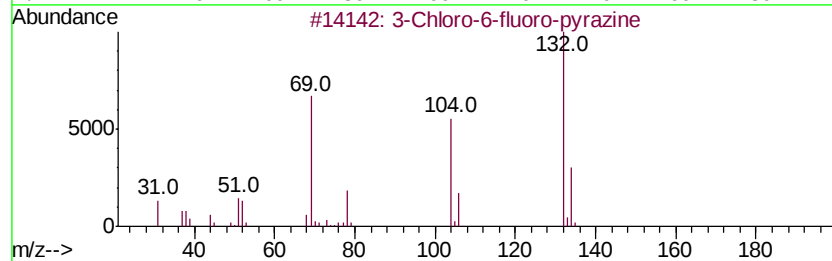
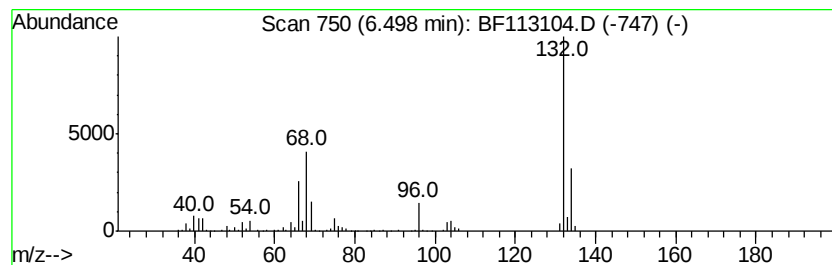
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	10.60 ng	472206	1,4-Dichlorobenzene-d4	6.73

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	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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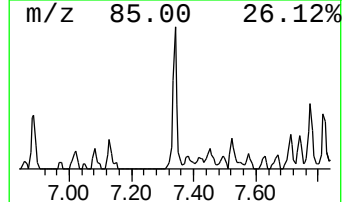
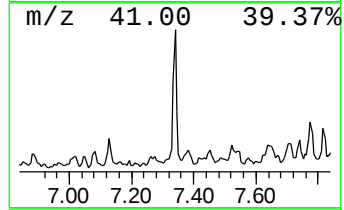
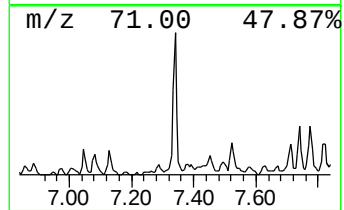
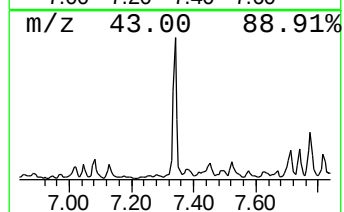
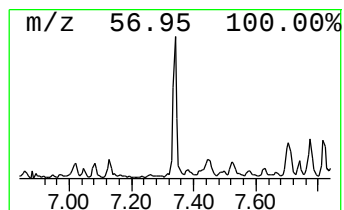
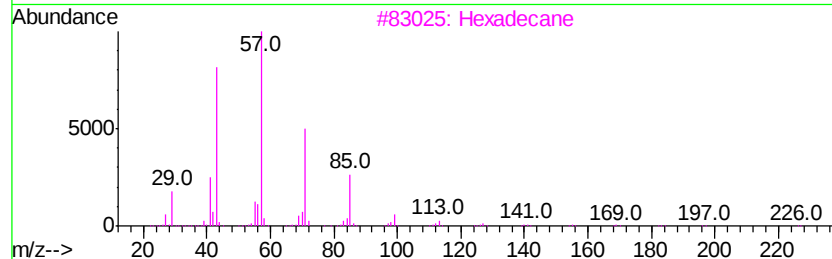
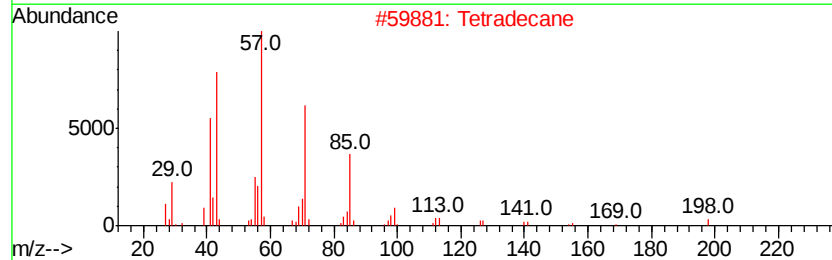
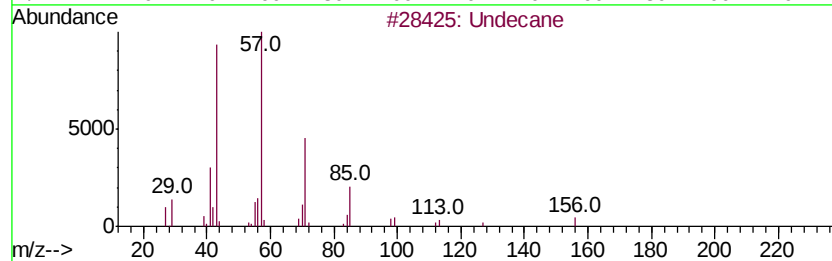
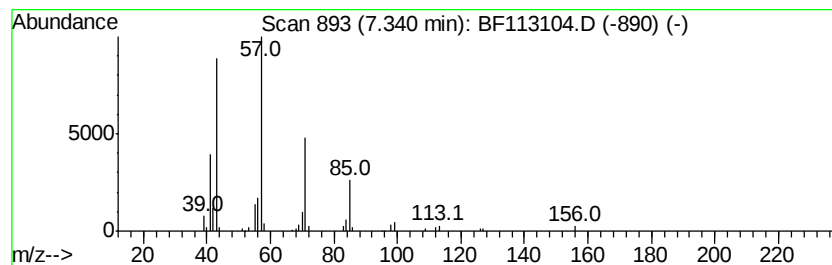
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Undecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.34	3.19 ng	142163	1,4-Dichlorobenzene-d4	6.73

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	91
2	Tetradecane		198	C14H30	000629-59-4	90
3	Hexadecane		226	C16H34	000544-76-3	90
4	Tridecane		184	C13H28	000629-50-5	86
5	Sulfurous acid, hexyl octyl ester		278	C14H30O3S	1000309-13-0	83



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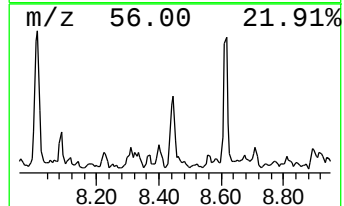
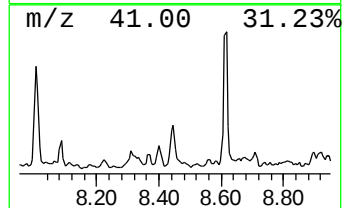
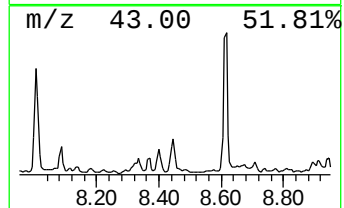
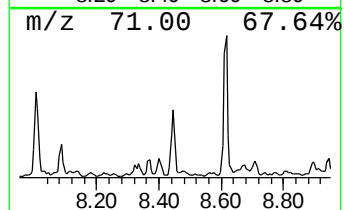
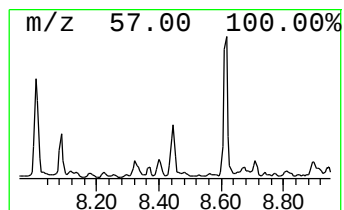
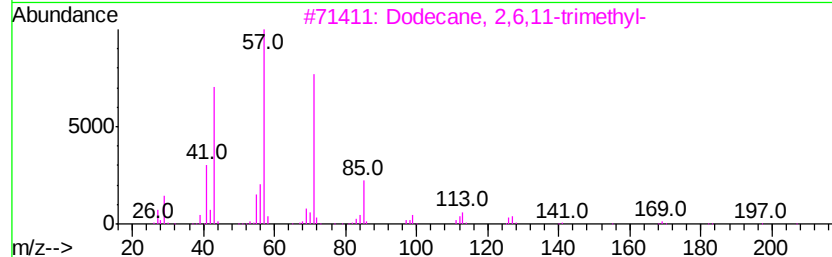
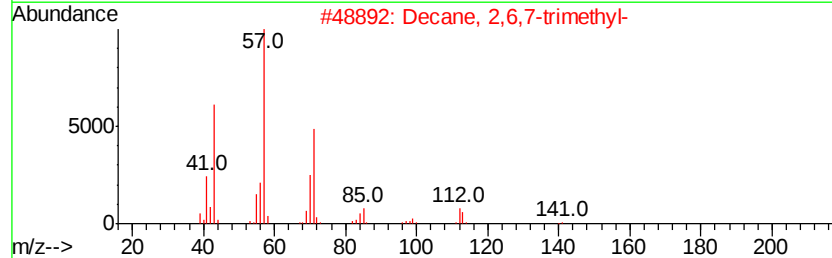
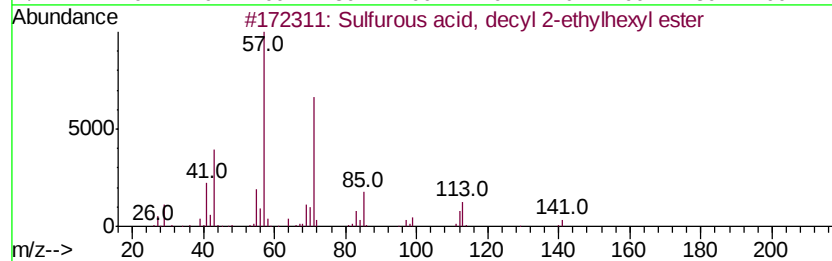
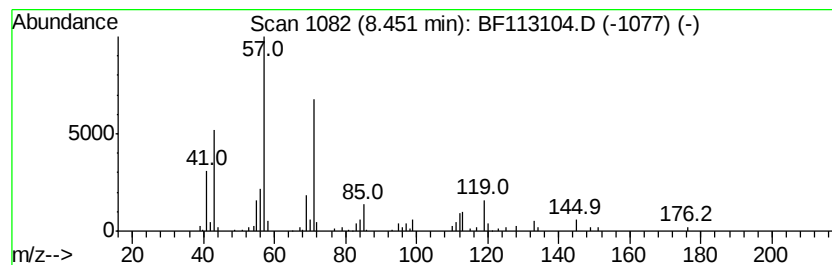
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Peak Number 4 Sulfurous acid, decyl 2-eth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	2.14 ng	175098	Naphthalene-d8	8.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	80
2		Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	78
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
4		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72
5		Hexadecane, 7-methyl-	240	C17H36	026730-20-1	72



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Sample : K1691-15 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

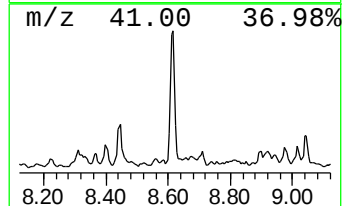
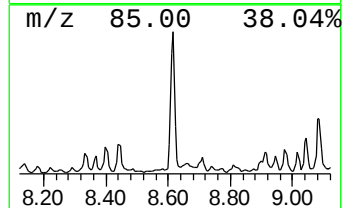
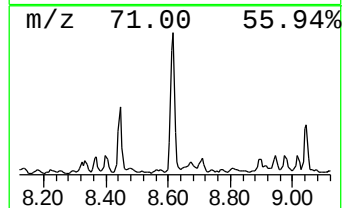
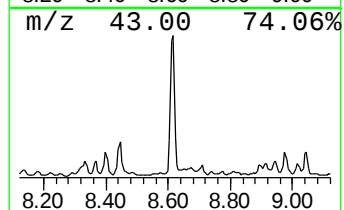
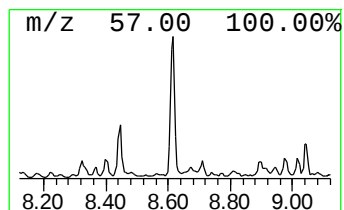
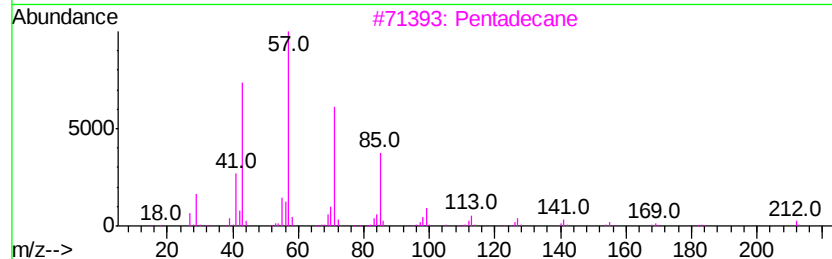
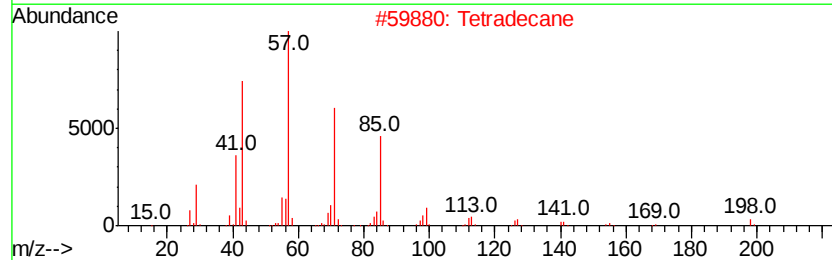
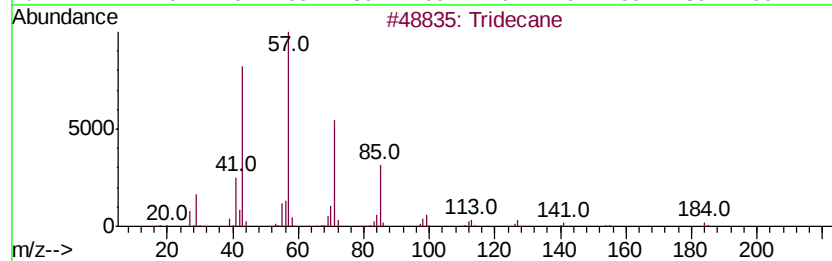
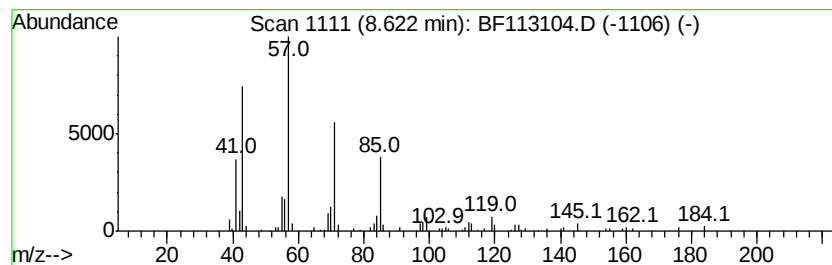
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ClientSampleId :
CL-01-031519-D

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 5 Tridecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.62	5.53 ng	452863	Napthalene-d8	8.01	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Tetradecane	198	C14H30	000629-59-4	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113104.D
Acq On : 18 Mar 2019 21:33
Operator : JU/SJ
Sample : K1691-15 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-031519-D

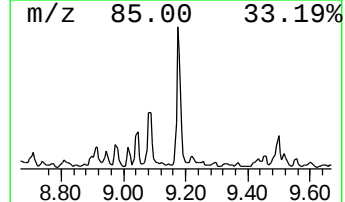
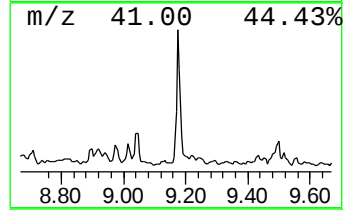
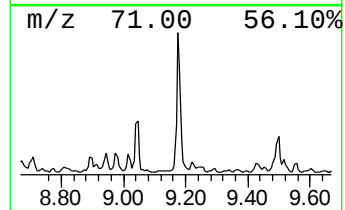
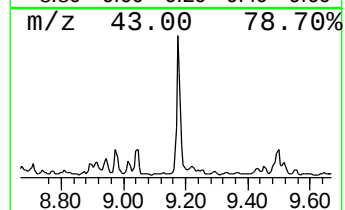
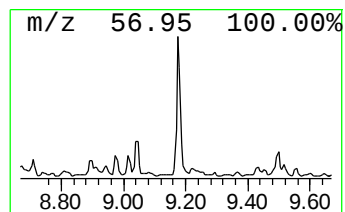
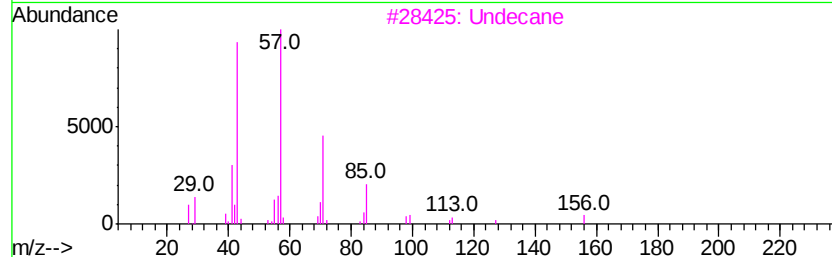
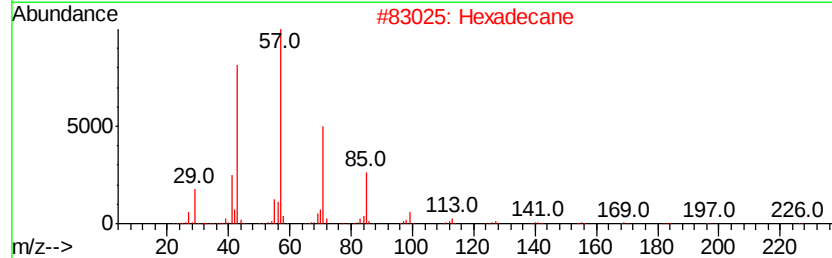
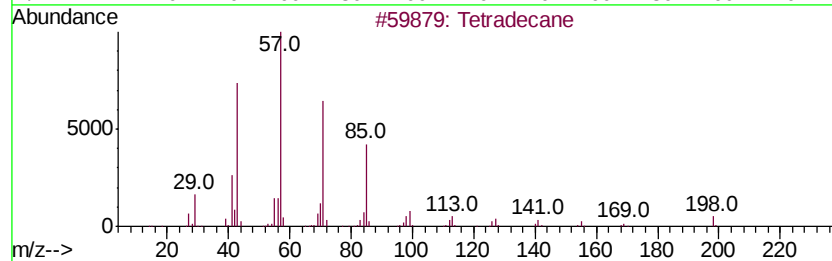
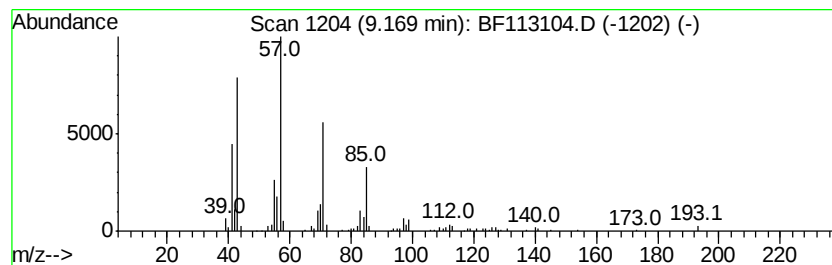
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tetradecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	5.76 ng	397228	Acenaphthene-d10	9.76

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	95
2		Hexadecane	226	C16H34	000544-76-3	91
3		Undecane	156	C11H24	001120-21-4	86
4		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	86
5		Pentadecane	212	C15H32	000629-62-9	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113104.D
Acq On : 18 Mar 2019 21:33
Operator : JU/SJ
Sample : K1691-15 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-031519-D

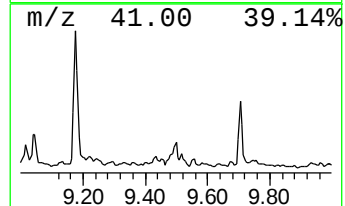
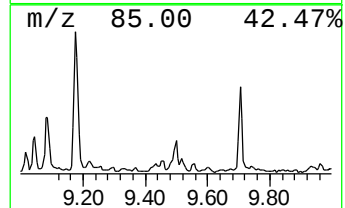
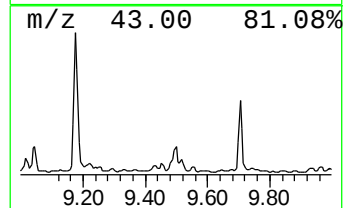
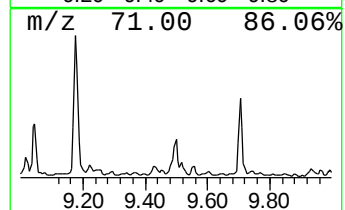
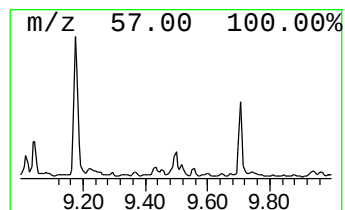
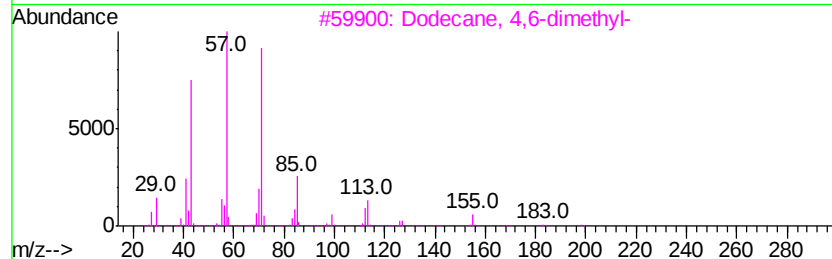
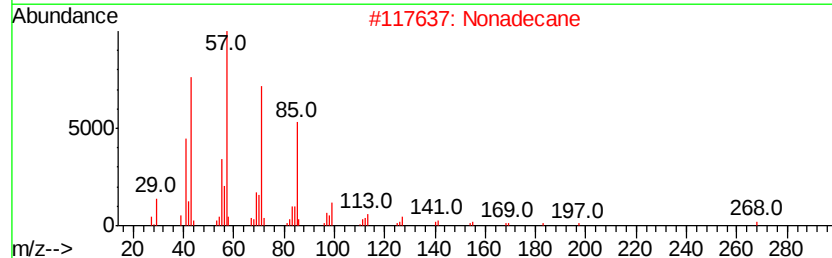
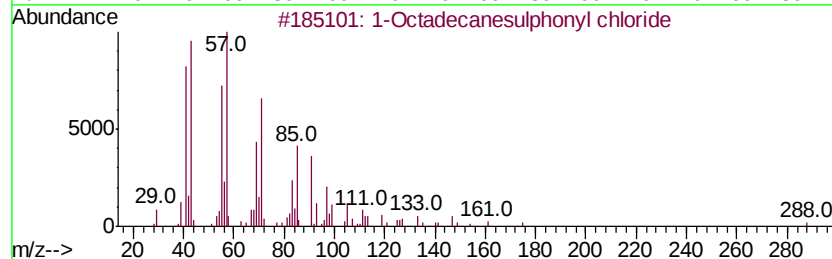
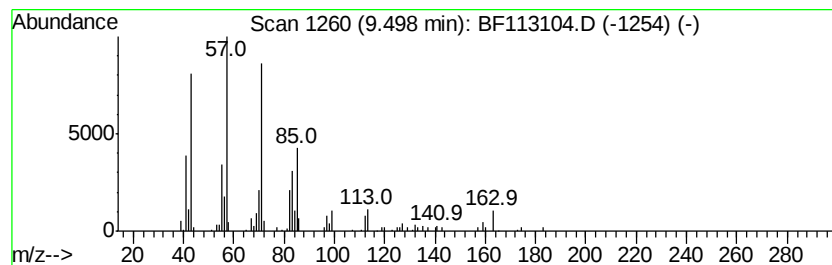
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Octadecanesulphonyl chloride Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	2.43 ng	167689	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	72
2		Nonadecane	268	C19H40	000629-92-5	59
3		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	58
4		Heptacosane	380	C27H56	000593-49-7	58
5		Hexadecane	226	C16H34	000544-76-3	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113104.D
Acq On : 18 Mar 2019 21:33
Operator : JU/SJ
Sample : K1691-15 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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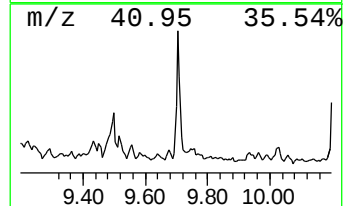
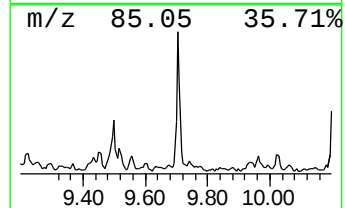
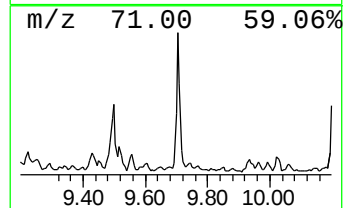
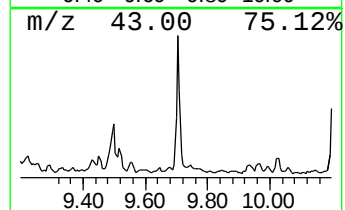
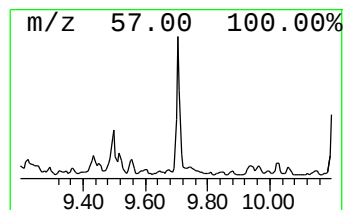
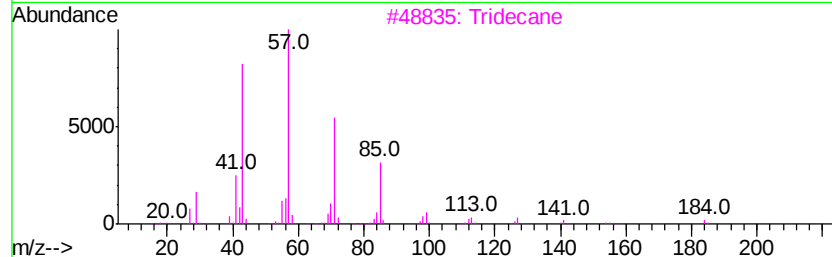
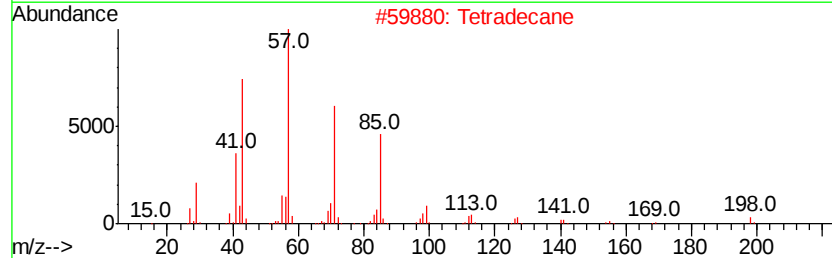
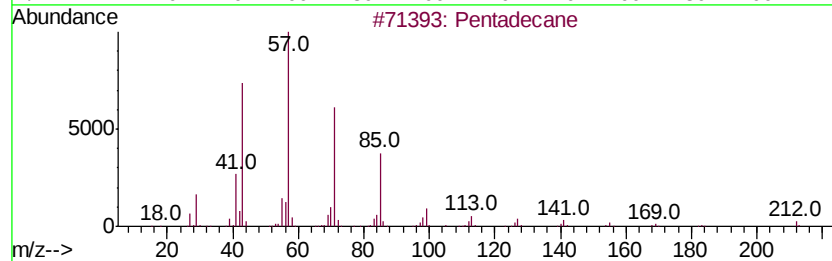
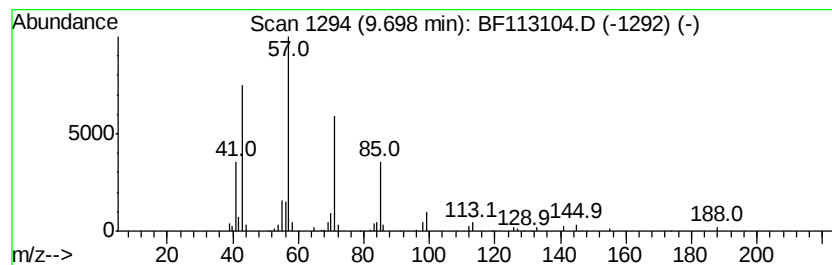
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pentadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	2.67 ng	184519	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	91
2		Tetradecane	198	C14H30	000629-59-4	90
3		Tridecane	184	C13H28	000629-50-5	90
4		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78
5		Hexadecane	226	C16H34	000544-76-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113104.D
Acq On : 18 Mar 2019 21:33
Operator : JU/SJ
Sample : K1691-15 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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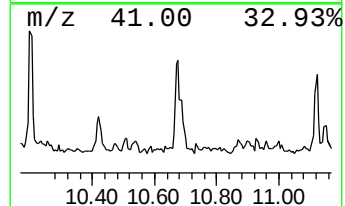
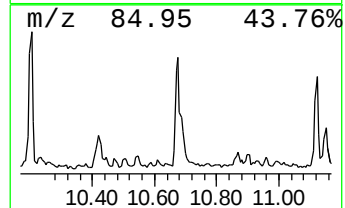
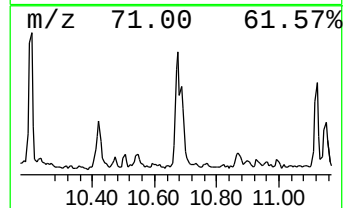
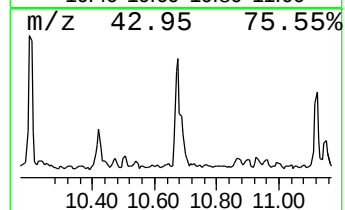
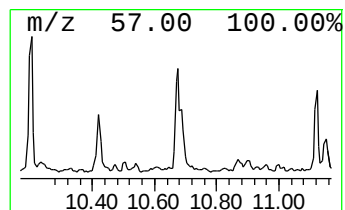
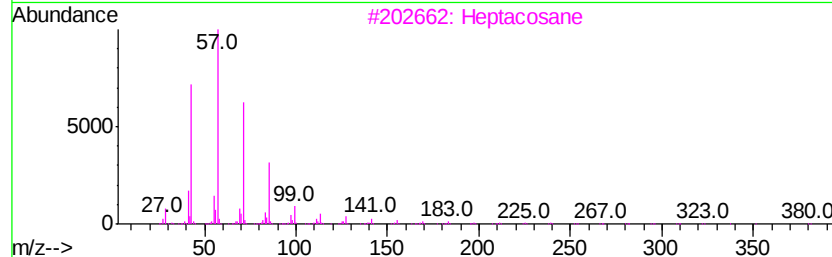
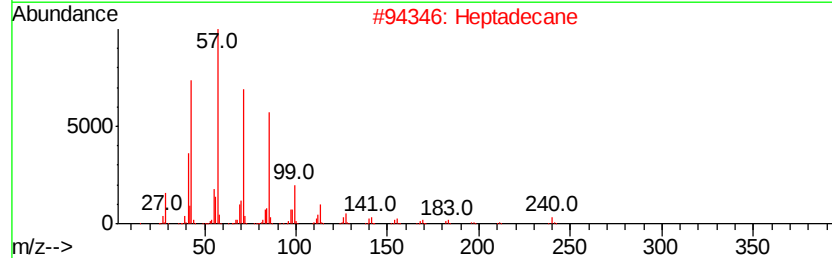
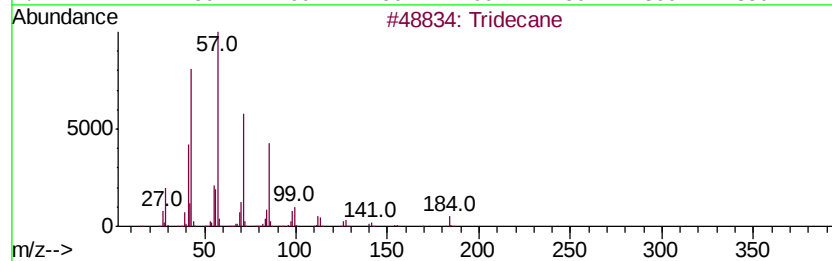
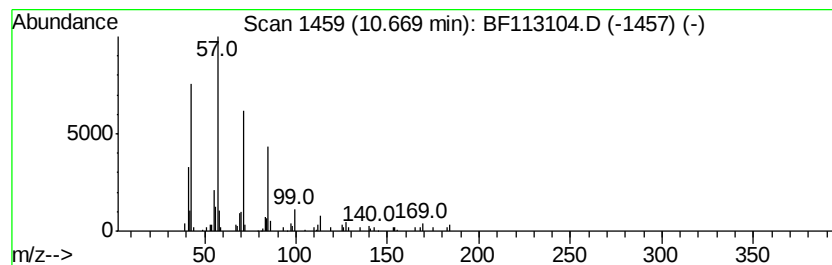
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Eicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	2.23 ng	142237	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	93
2		Heptadecane	240	C17H36	000629-78-7	87
3		Heptacosane	380	C27H56	000593-49-7	86
4		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
5		Eicosane	282	C20H42	000112-95-8	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113104.D
Acq On : 18 Mar 2019 21:33
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Sample : K1691-15 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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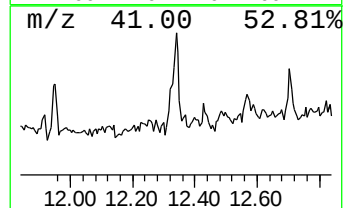
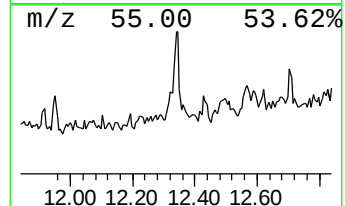
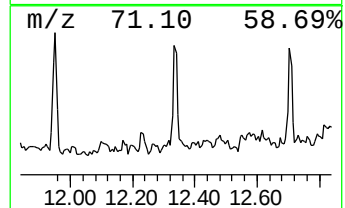
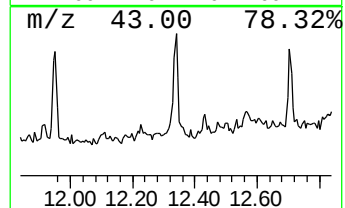
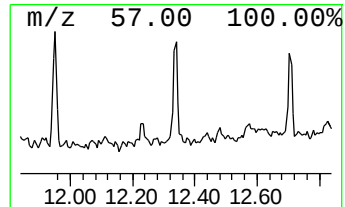
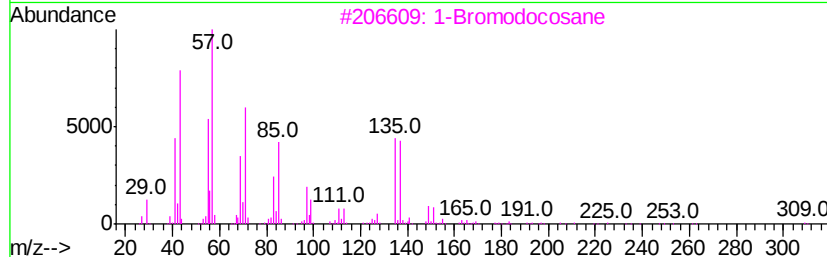
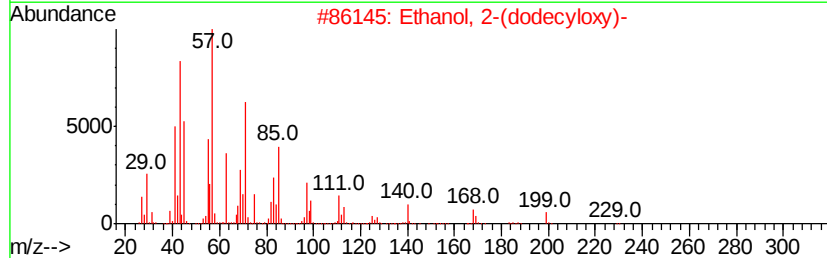
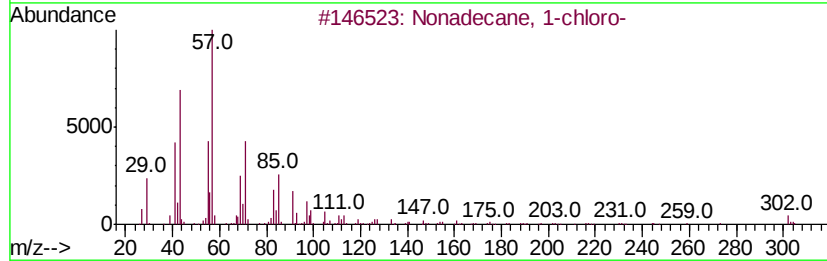
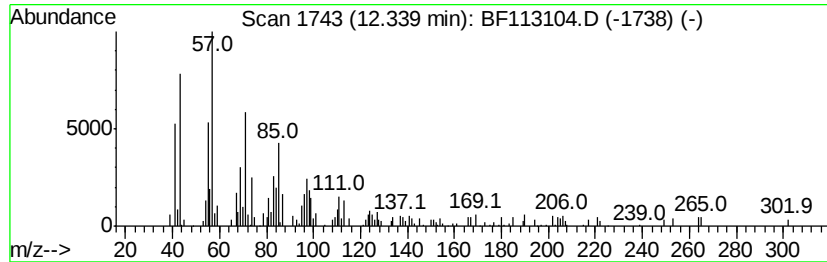
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Nonadecane, 1-chloro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	2.12 ng	135131	Phenanthrene-d10	11.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane, 1-chloro-	302	C19H39Cl	062016-76-6	81
2			Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	72
3			1-Bromodocosane	388	C22H45Br	006938-66-5	58
4			2-methyltetracosane	352	C25H52	1000376-72-6	58
5			Hentriacontane	437	C31H64	000630-04-6	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031819\
Data File : BF113104.D
Acq On : 18 Mar 2019 21:33
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Sample : K1691-15 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-031519-D

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
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Undecane	7.34	3.2	ng	142163	1	6.73	891212	20.0
Sulfurous acid, d...	8.45	2.1	ng	175098	2	8.01	1636850	20.0
Tridecane	8.62	5.5	ng	452863	2	8.01	1636850	20.0
Tetradecane	9.17	5.8	ng	397228	3	9.76	1380100	20.0
1-Octadecanesulph...	9.50	2.4	ng	167689	3	9.76	1380100	20.0
Pentadecane	9.70	2.7	ng	184519	3	9.76	1380100	20.0
Eicosane	10.67	2.2	ng	142237	4	11.24	1273340	20.0
Nonadecane, 1-chl...	12.34	2.1	ng	135131	4	11.24	1273340	20.0