

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113220.D
 Acq On : 21 Mar 2019 20:44
 Operator : JU/SJ
 Sample : K2004-09 20X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-22(7-8)

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	2.699	96	104	112	rVB3	28804	68762	4.44%	0.284%
2	3.957	310	318	323	rBV3	52550	86170	5.57%	0.357%
3	4.310	373	378	388	rBV2	148698	221288	14.29%	0.916%
4	4.422	392	397	402	rVB2	67032	82508	5.33%	0.341%
5	4.840	462	468	476	rVB4	159861	258250	16.68%	1.068%
6	5.116	510	515	518	rBV	141121	149842	9.68%	0.620%
7	5.334	550	552	558	rVV	60960	72798	4.70%	0.301%
8	5.487	574	578	582	rVV2	68605	90295	5.83%	0.374%
9	5.528	582	585	588	rVV	70405	66408	4.29%	0.275%
10	5.569	588	592	594	rVV2	72266	82212	5.31%	0.340%
11	5.628	599	602	609	rVB	86911	98820	6.38%	0.409%
12	5.740	615	621	625	rBV2	174595	264639	17.09%	1.095%
13	5.792	625	630	633	rBV4	83358	145029	9.37%	0.600%
14	5.875	639	644	648	rVB	247893	242556	15.67%	1.004%
15	5.928	648	653	658	rBV3	130194	199911	12.91%	0.827%
16	5.975	658	661	663	rBV	146692	132597	8.56%	0.549%
17	6.028	667	670	673	rBV2	94889	103811	6.70%	0.430%
18	6.057	673	675	678	rBV3	56263	66504	4.30%	0.275%
19	6.163	687	693	696	rBV3	146656	184664	11.93%	0.764%
20	6.257	706	709	712	rBV3	76376	120482	7.78%	0.498%
21	6.287	712	714	718	rVB	78346	79404	5.13%	0.329%
22	6.375	722	729	731	rVV3	106039	146967	9.49%	0.608%
23	6.492	741	749	753	rBV5	180228	307767	19.88%	1.273%
24	6.569	760	762	764	rBV	169154	144488	9.33%	0.598%
25	6.663	775	778	782	rBV3	60976	81658	5.27%	0.338%
26	6.722	785	788	791	rVV	1181763	1020943	65.94%	4.224%
27	6.745	791	792	796	rVB	214912	143394	9.26%	0.593%
28	6.787	796	799	803	rVB2	126492	156990	10.14%	0.650%
29	6.851	807	810	812	rBV	157304	135487	8.75%	0.561%
30	6.875	812	814	818	rVV	244852	258903	16.72%	1.071%
31	6.910	818	820	823	rVB	89630	76802	4.96%	0.318%
32	6.939	823	825	827	rBV	52733	61310	3.96%	0.254%
33	7.010	833	837	840	rVB4	66559	90128	5.82%	0.373%
34	7.075	845	848	852	rBV2	70246	87335	5.64%	0.361%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113220.D
 Acq On : 21 Mar 2019 20:44
 Operator : JU/SJ
 Sample : K2004-09 20X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-22(7-8)

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	7.122	852	856	858 rBV	166476	144290	9.32%	0.597%
36	7.263	874	880	886 rBV5	119954	279144	18.03%	1.155%
37	7.310	886	888	889 rVV	103745	80433	5.19%	0.333%
38	7.334	889	892	894 rVV	231667	209000	13.50%	0.865%
39	7.363	894	897	899 rVV2	102976	135310	8.74%	0.560%
40	7.439	903	910	915 rBV3	113702	262849	16.98%	1.088%
41	7.492	915	919	920 rBV4	53309	66456	4.29%	0.275%
42	7.516	920	923	924 rVV2	125812	115083	7.43%	0.476%
43	7.534	924	926	930 rVB	198610	172748	11.16%	0.715%
44	7.622	936	941	944 rBV4	131813	206191	13.32%	0.853%
45	7.645	944	945	947 rVV	88027	83643	5.40%	0.346%
46	7.698	950	954	956 rBV3	62671	86947	5.62%	0.360%
47	7.775	963	967	969 rVB2	83569	83307	5.38%	0.345%
48	7.834	975	977	981 rVB4	93638	98779	6.38%	0.409%
49	7.881	981	985	987 rBV2	62800	70907	4.58%	0.293%
50	7.951	994	997	998 rBV	90954	77391	5.00%	0.320%
51	8.004	1001	1006	1009 rBV	1666816	1485426	95.94%	6.146%
52	8.057	1014	1015	1017 rVV2	131087	117635	7.60%	0.487%
53	8.081	1017	1019	1021 rVV	424270	323545	20.90%	1.339%
54	8.104	1021	1023	1026 rVV2	133925	158729	10.25%	0.657%
55	8.169	1030	1034	1037 rBV2	93783	147710	9.54%	0.611%
56	8.245	1045	1047	1050 rVB4	90347	81489	5.26%	0.337%
57	8.304	1051	1057	1060 rVV4	274738	354247	22.88%	1.466%
58	8.333	1060	1062	1064 rVB2	88319	73176	4.73%	0.303%
59	8.357	1064	1066	1070 rVB3	114572	105797	6.83%	0.438%
60	8.398	1070	1073	1076 rBV3	120371	145170	9.38%	0.601%
61	8.439	1077	1080	1084 rBV	395345	399113	25.78%	1.651%
62	8.475	1084	1086	1089 rVB2	126211	109436	7.07%	0.453%
63	8.516	1090	1093	1095 rBV2	60334	62403	4.03%	0.258%
64	8.604	1105	1108	1113 rBV3	197741	288569	18.64%	1.194%
65	8.704	1122	1125	1128 rVB2	237100	279155	18.03%	1.155%
66	8.822	1143	1145	1151 rVV5	122653	141612	9.15%	0.586%
67	8.886	1154	1156	1158 rVV2	110379	100148	6.47%	0.414%
68	8.922	1158	1162	1166 rVV	289623	309062	19.96%	1.279%
69	8.975	1169	1171	1175 rVV4	80516	103714	6.70%	0.429%
70	9.039	1179	1182	1184 rVV	399887	377774	24.40%	1.563%
71	9.080	1186	1189	1193 rVB2	152422	154923	10.01%	0.641%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113220.D
 Acq On : 21 Mar 2019 20:44
 Operator : JU/SJ
 Sample : K2004-09 20X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-22(7-8)

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

72	9.186	1201	1207	1209	rBV4	179664	342698	22.13%	1.418%
73	9.286	1220	1224	1227	rVB4	159015	199884	12.91%	0.827%
74	9.333	1230	1232	1234	rVB2	72622	62358	4.03%	0.258%
75	9.357	1234	1236	1239	rVB	149062	135775	8.77%	0.562%
76	9.398	1239	1243	1244	rBV3	95239	120698	7.80%	0.499%
77	9.445	1249	1251	1254	rVB3	137553	110853	7.16%	0.459%
78	9.492	1254	1259	1261	rBV	797775	749324	48.40%	3.100%
79	9.516	1261	1263	1266	rVB3	129644	123202	7.96%	0.510%
80	9.580	1271	1274	1276	rBV3	110162	117995	7.62%	0.488%
81	9.669	1287	1289	1292	rVB2	130403	111508	7.20%	0.461%
82	9.698	1292	1294	1299	rBV2	132693	214412	13.85%	0.887%
83	9.757	1299	1304	1307	rVB	1680121	1548289	100.00%	6.406%
84	9.804	1310	1312	1313	rBV	85046	68312	4.41%	0.283%
85	9.869	1321	1323	1326	rVB2	140852	141362	9.13%	0.585%
86	9.957	1336	1338	1341	rVB2	131704	118572	7.66%	0.491%
87	10.022	1347	1349	1354	rVB3	348797	338118	21.84%	1.399%
88	10.251	1386	1388	1393	rVB2	162944	204732	13.22%	0.847%
89	10.316	1393	1399	1403	rBV5	265720	521494	33.68%	2.158%
90	10.416	1413	1416	1419	rVB	394850	371873	24.02%	1.539%
91	10.527	1433	1435	1438	rBV3	211279	186242	12.03%	0.771%
92	10.680	1457	1461	1469	rBV	560738	843640	54.49%	3.490%
93	10.992	1512	1514	1518	rBV4	172634	261774	16.91%	1.083%
94	11.145	1537	1540	1544	rVB	503036	558457	36.07%	2.311%
95	11.239	1552	1556	1558	rBV	1314911	1153007	74.47%	4.770%
96	11.498	1597	1600	1603	rVB3	313942	328937	21.25%	1.361%
97	12.010	1684	1687	1692	rBV	272074	336899	21.76%	1.394%
98	12.674	1798	1800	1802	rBV	348100	244981	15.82%	1.014%
99	13.874	2001	2004	2006	rBV2	824006	796795	51.46%	3.297%
100	15.298	2243	2246	2253	rVB	625113	837357	54.08%	3.464%

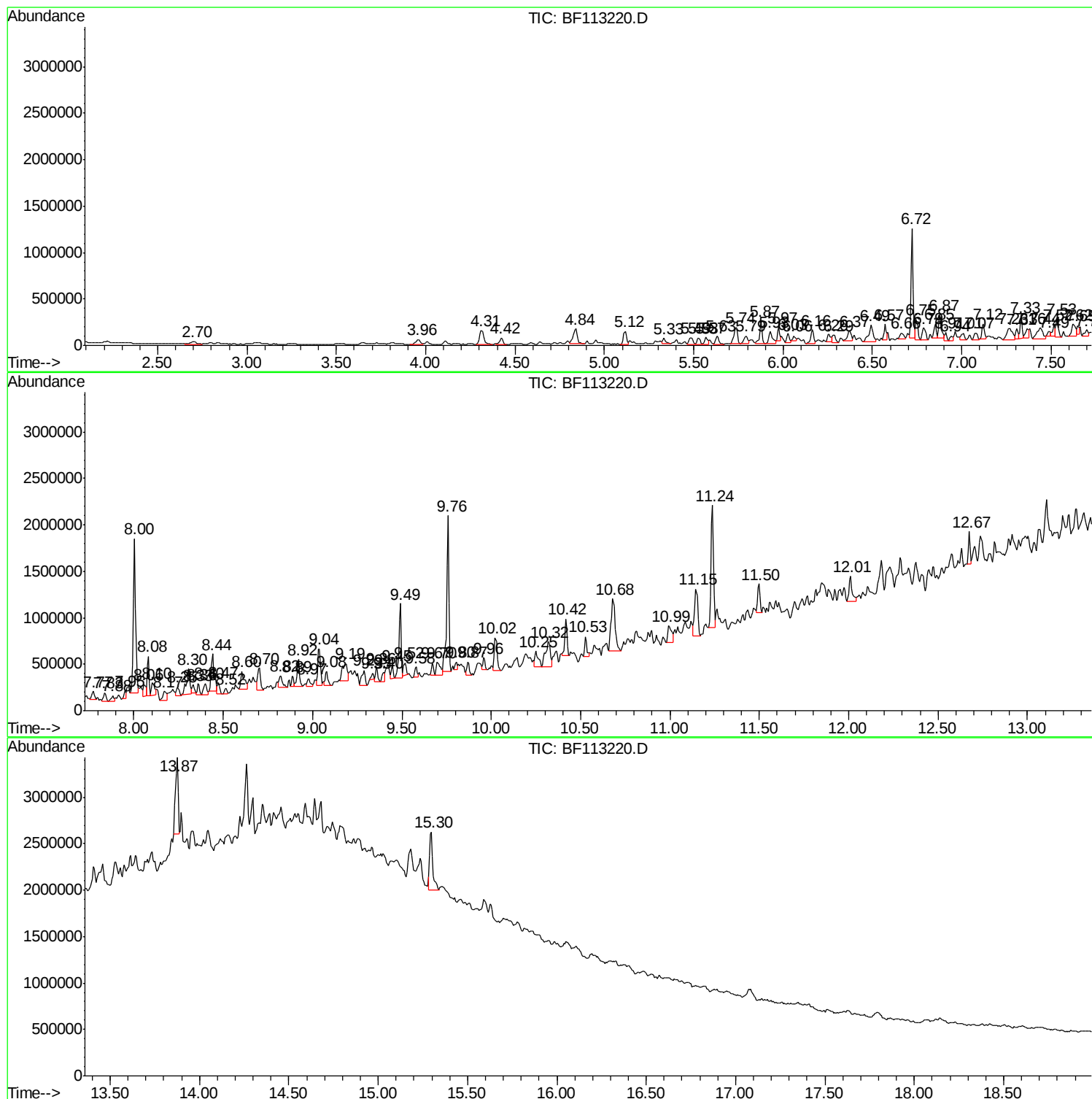
Sum of corrected areas: 24169981

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

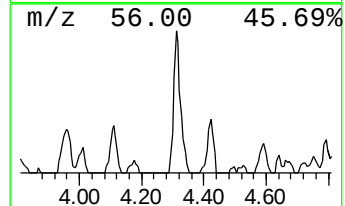
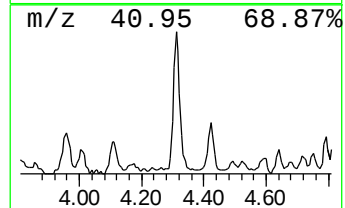
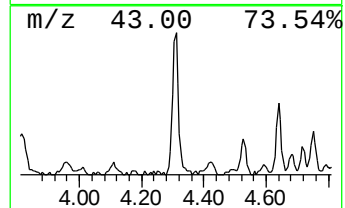
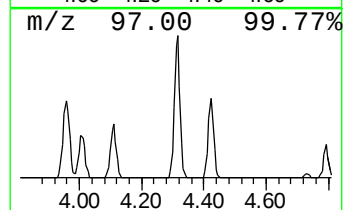
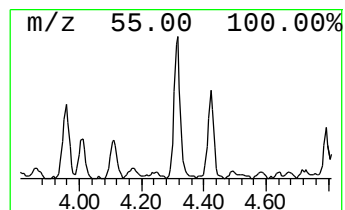
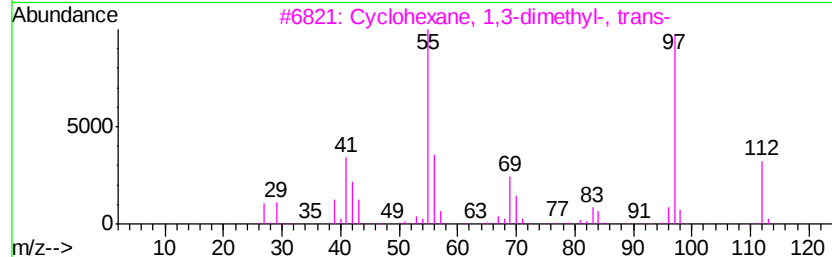
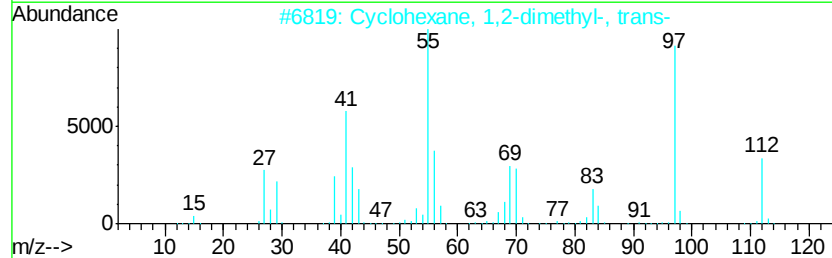
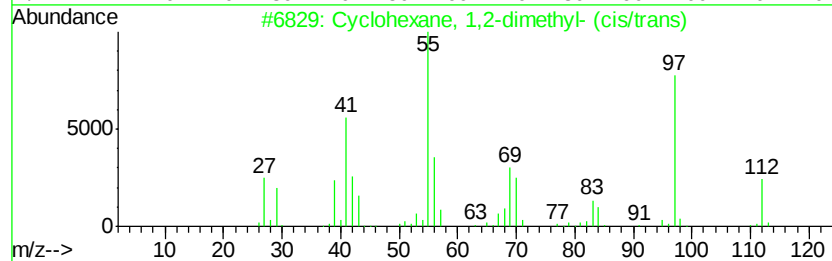
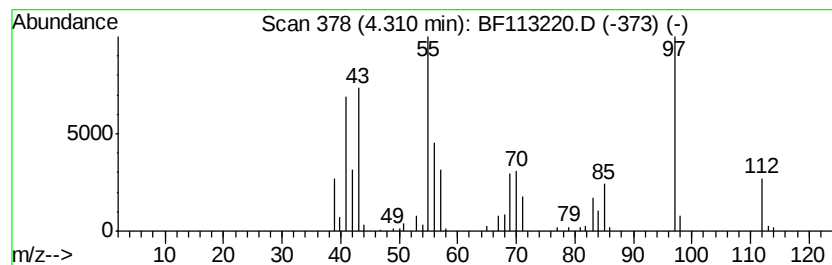
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.31	4.33 ng	221288	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	93
2		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	93
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	72
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	58
5		2-Pyrazoline, 1,4,5-trimethyl-	112	C6H12N2	007423-11-2	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

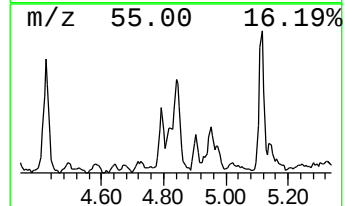
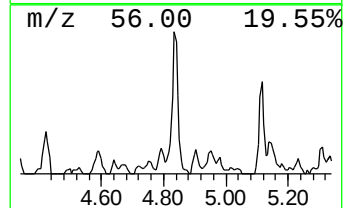
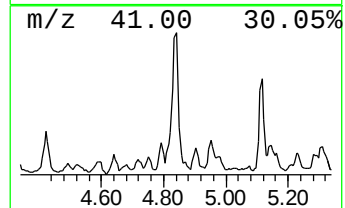
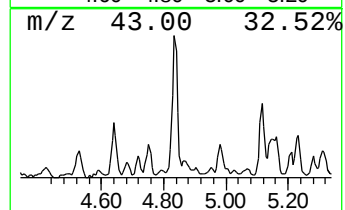
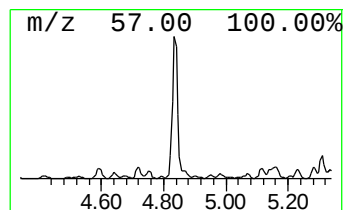
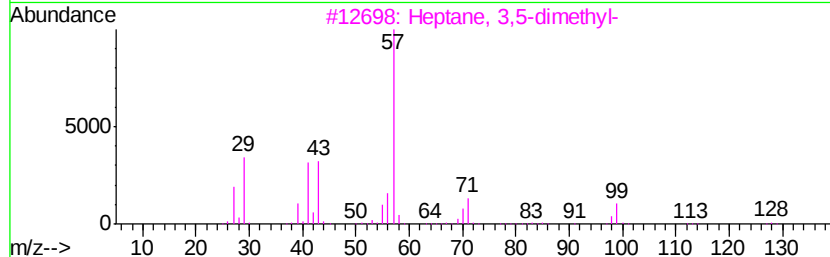
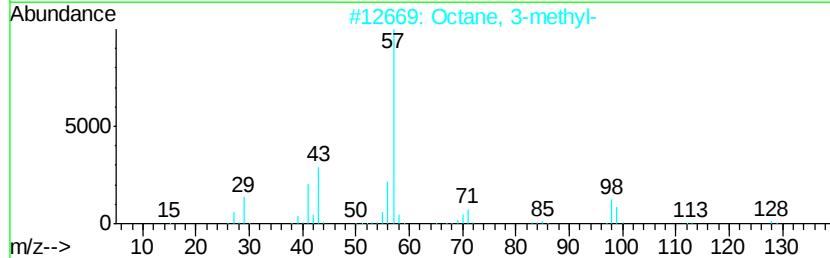
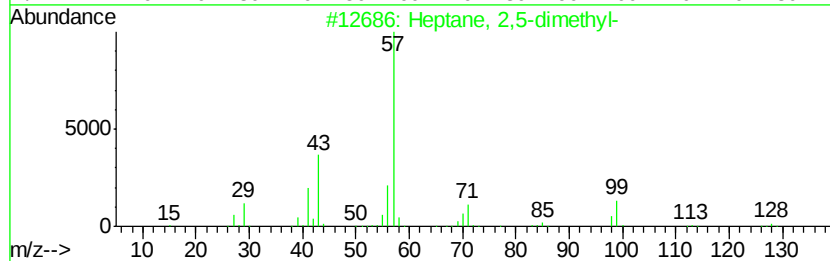
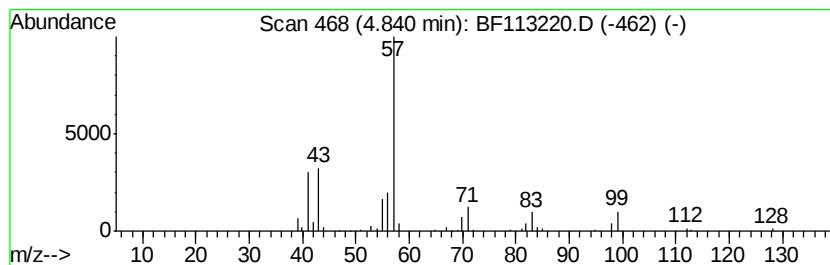
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Heptane, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.84	5.06 ng	258250	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
2	Octane, 3-methyl-	128	C9H20	002216-33-3	64
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59
4	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	43
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

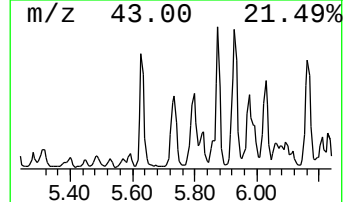
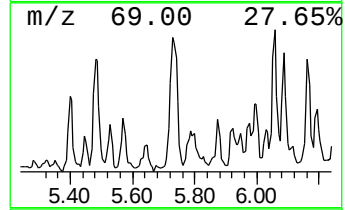
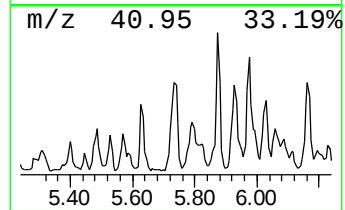
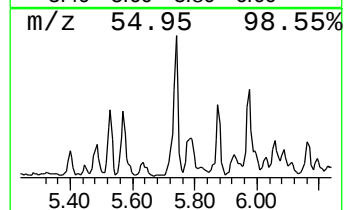
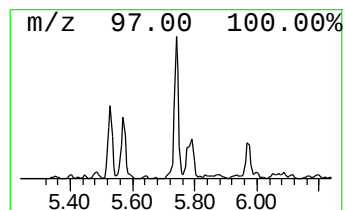
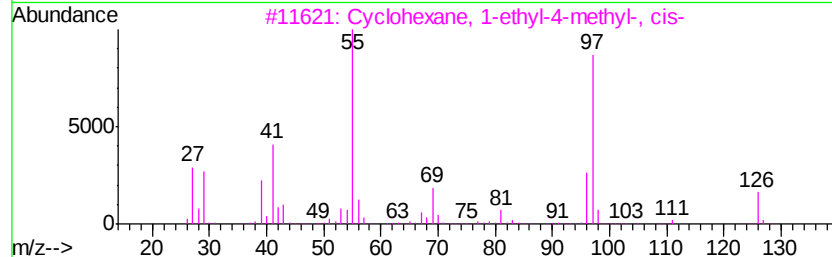
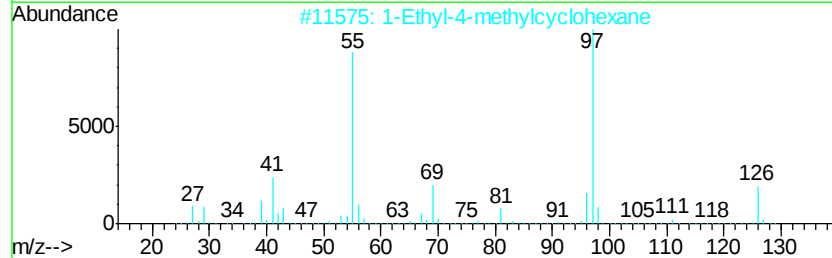
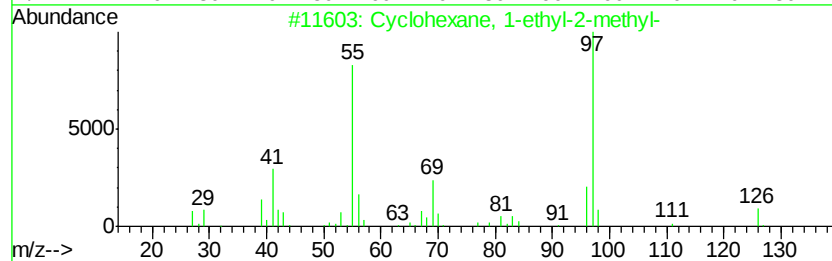
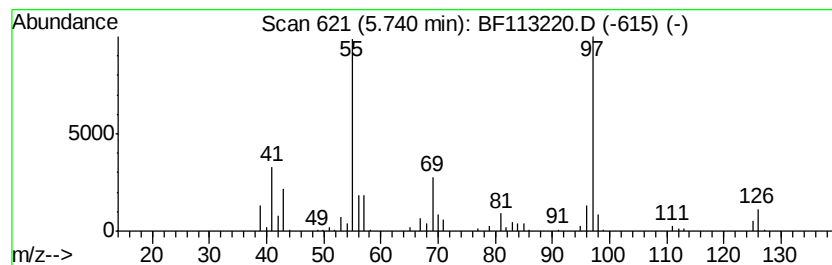
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.74	5.18 ng	264639	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	90
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	83
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	68
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	68
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

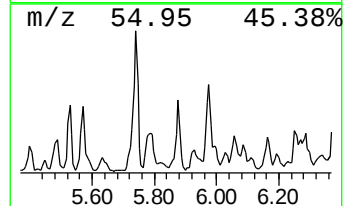
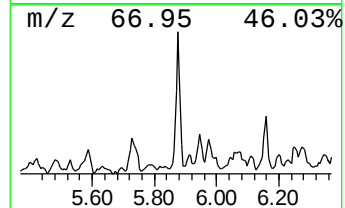
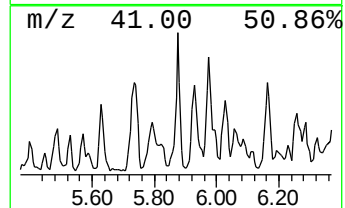
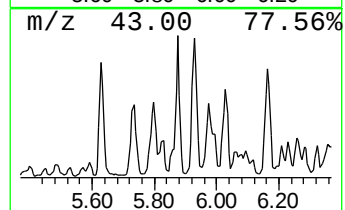
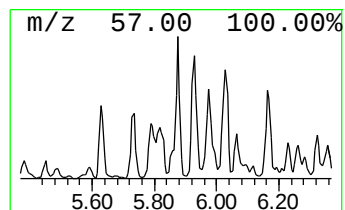
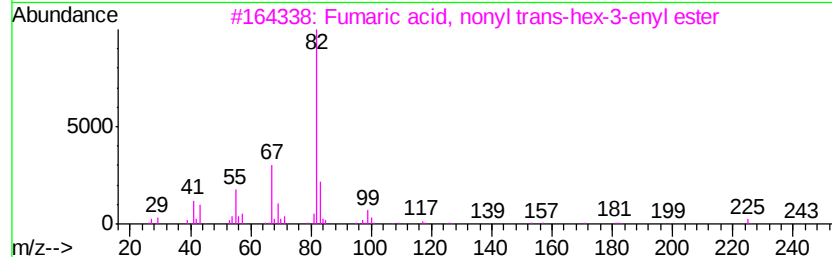
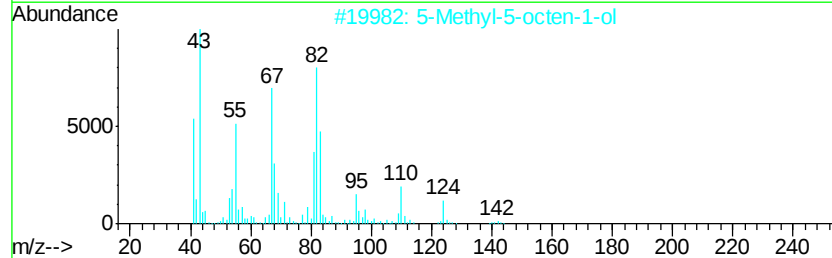
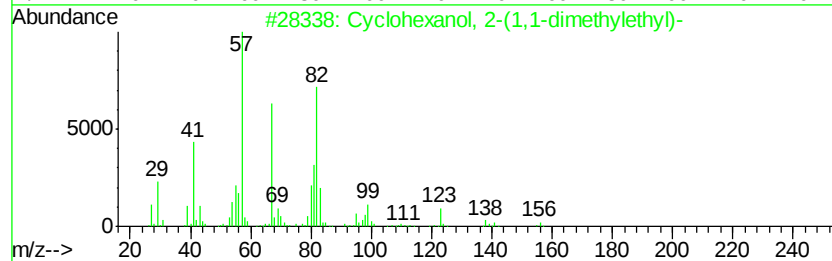
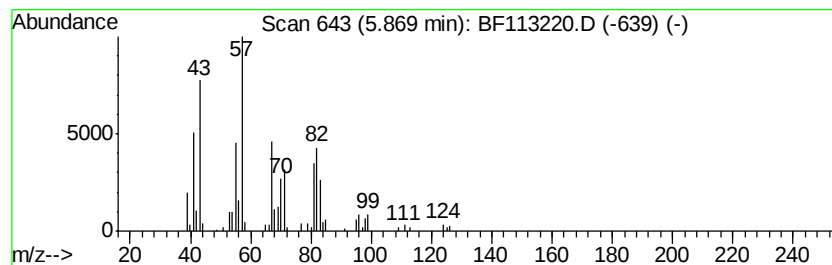
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Cyclohexanol, 2-(1,1-dimeth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.87	4.75 ng	242556	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanol, 2-(1,1-dimethyleth...	156	C10H20O	013491-79-7	50
2		5-Methyl-5-octen-1-ol	142	C9H18O	1000132-13-6	43
3		Fumaric acid, nonyl trans-hex-3-...	324	C19H32O4	1000348-88-9	38
4		Heptanoic acid, 3-hexenyl ester,...	212	C13H24O2	061444-39-1	38
5		Nonane, 4-methyl-	142	C10H22	017301-94-9	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

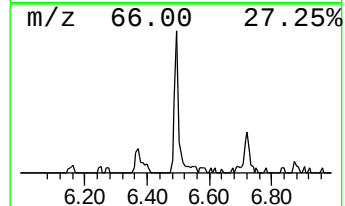
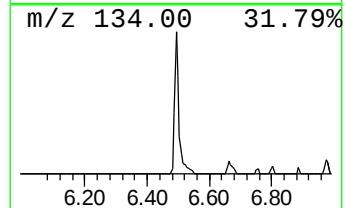
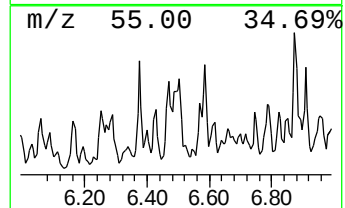
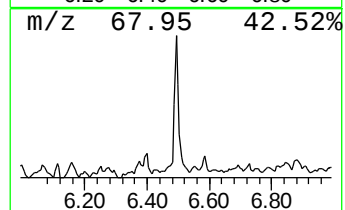
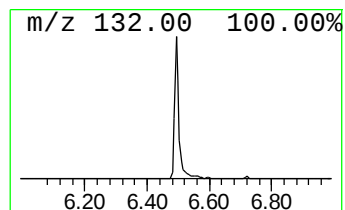
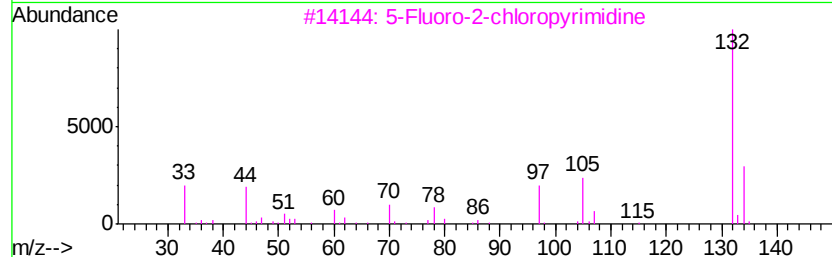
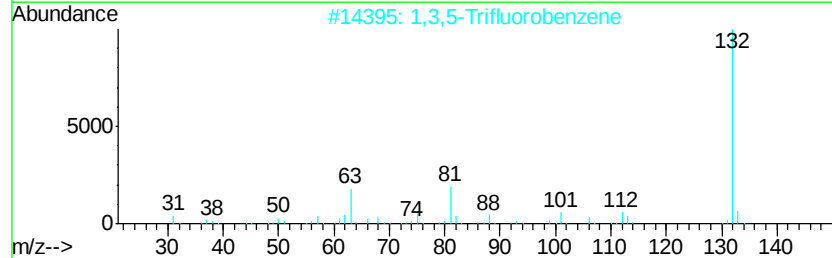
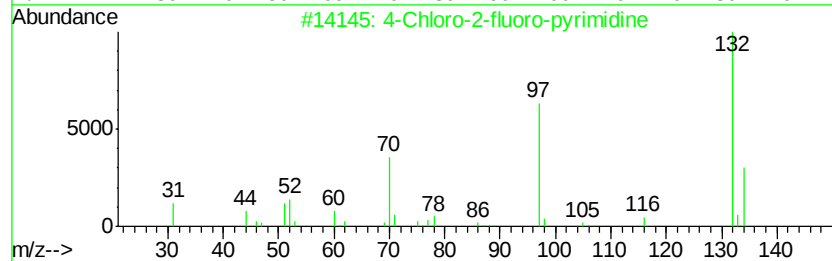
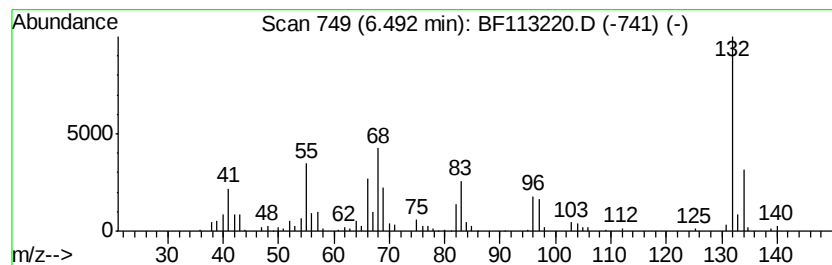
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown6.49 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	6.03 ng	307767	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	27
2		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4		Xenon	132	Xe	007440-63-3	9
5		Methylphosphonothioicchlorofluoride	132	CH3ClFPS	027127-27-1	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

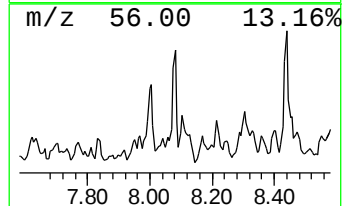
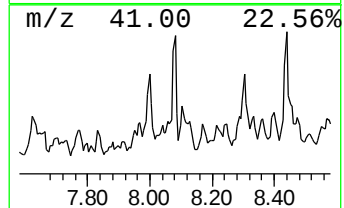
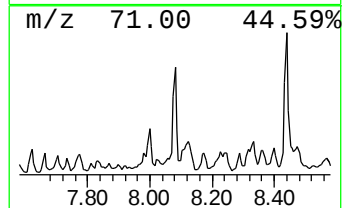
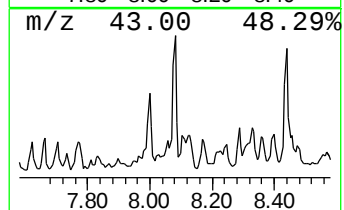
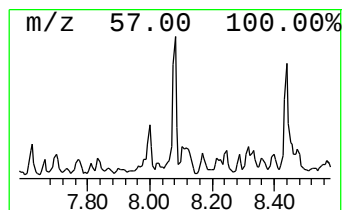
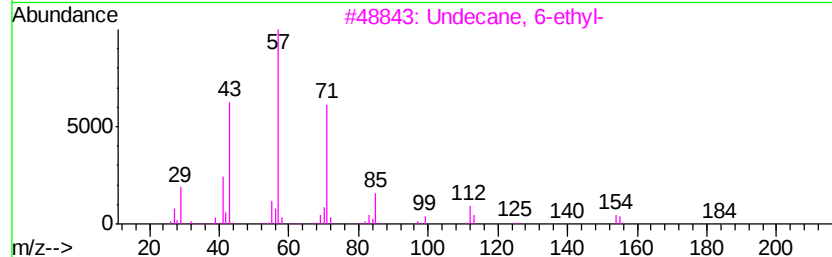
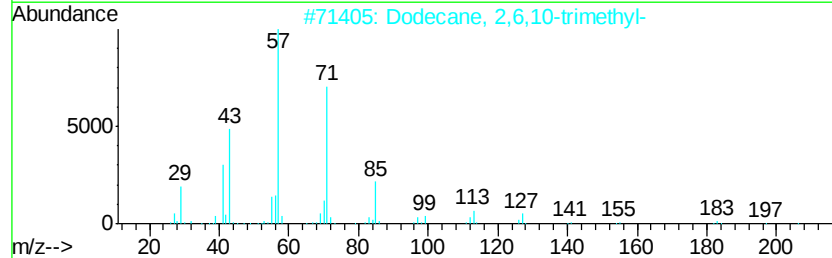
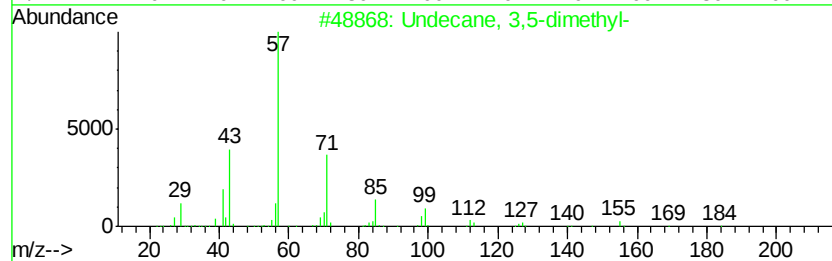
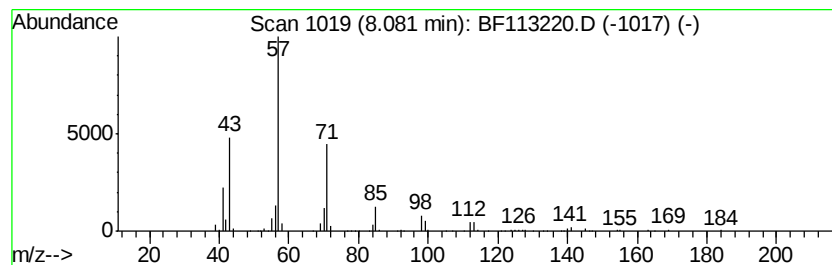
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Undecane, 3,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.08	4.36 ng	323545	Napthalene-d8	8.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	87
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
3		Undecane, 6-ethyl-	184	C13H28	017312-60-6	72
4		Dodecane, 6-methyl-	184	C13H28	006044-71-9	70
5		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

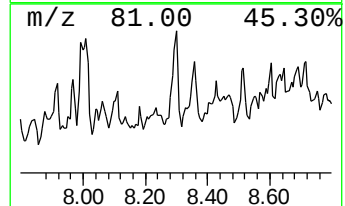
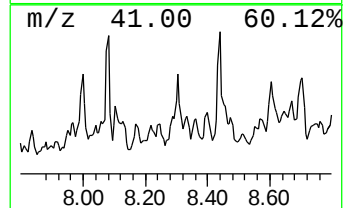
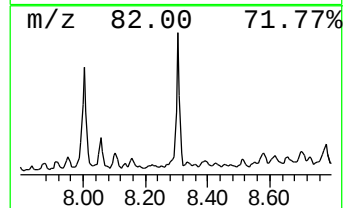
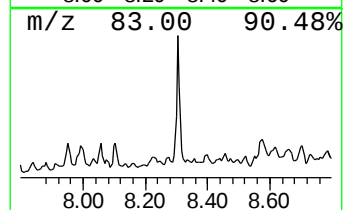
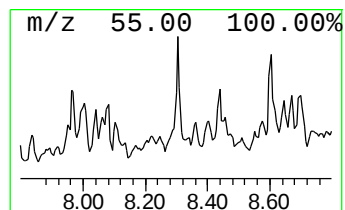
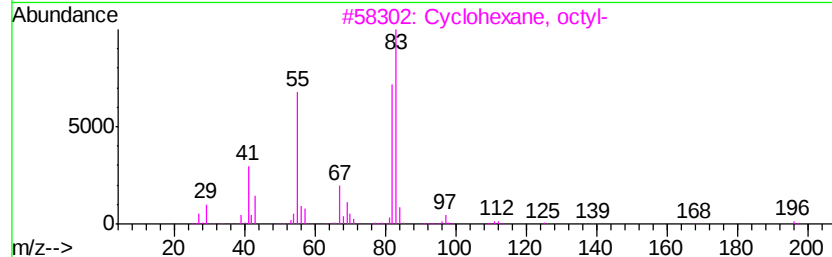
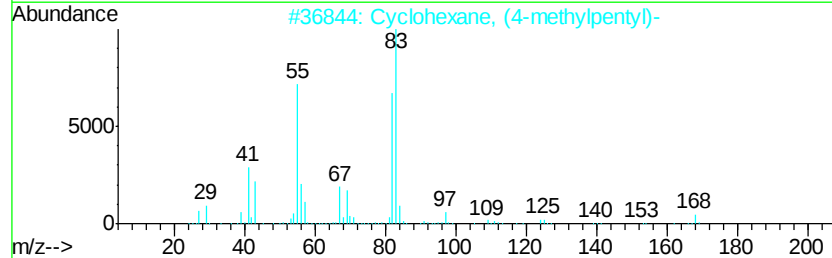
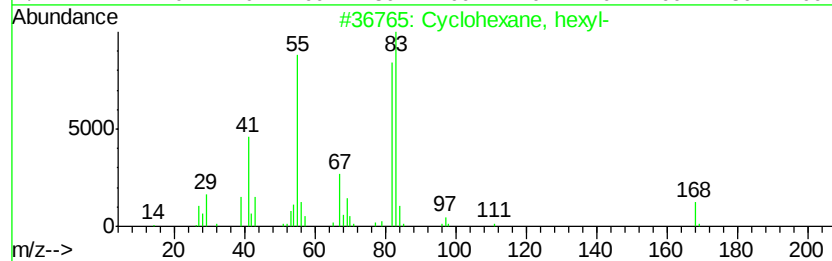
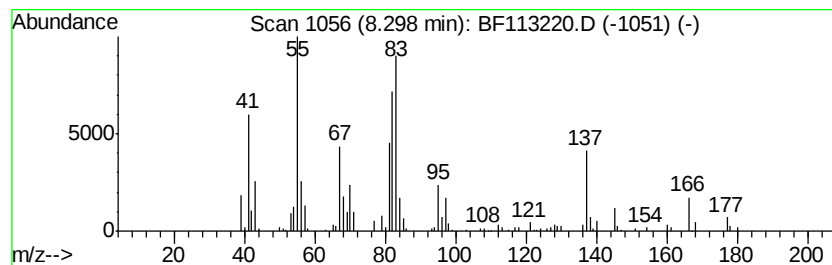
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclohexane, hexyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	4.77 ng	354247	Naphthalene-d8	8.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, hexyl-	168	C12H24	004292-75-5	83
2			Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	80
3			Cyclohexane, octyl-	196	C14H28	001795-15-9	80
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	74
5			Cyclohexane, pentyl-	154	C11H22	004292-92-6	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

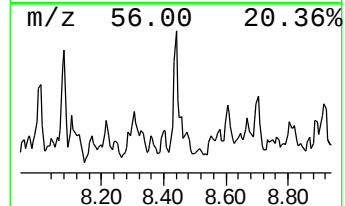
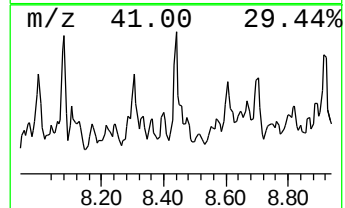
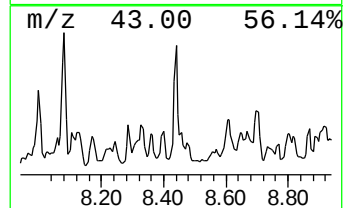
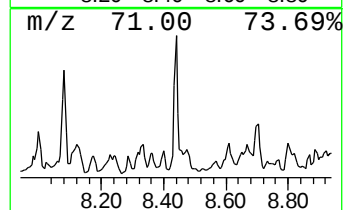
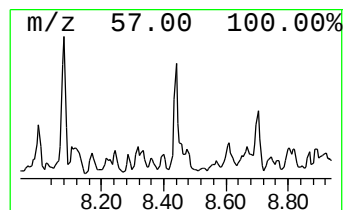
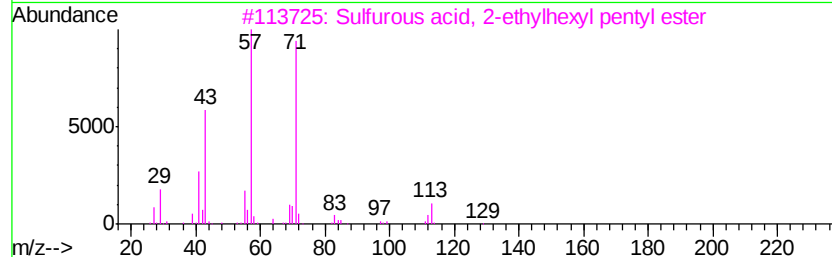
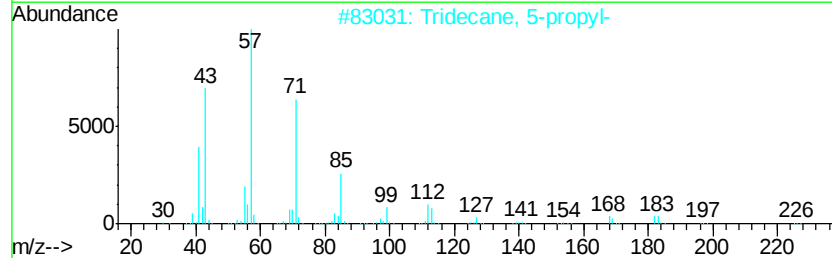
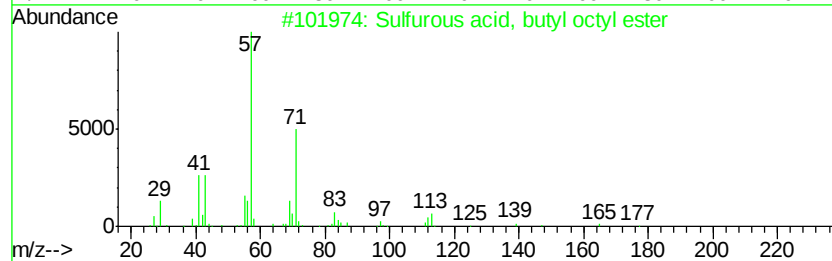
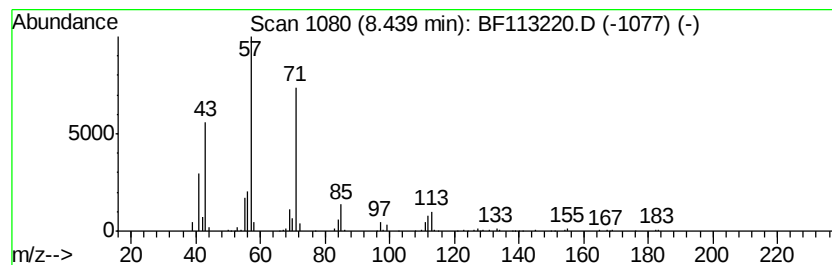
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Sulfurous acid, butyl octyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	5.37 ng	399113	Naphthalene-d8	8.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	72
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
3		Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	59
4		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59
5		Sulfurous acid, dodecyl 2-pentyl...	320	C17H36O3S	1000309-16-1	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

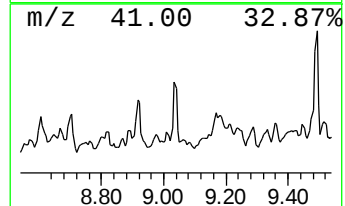
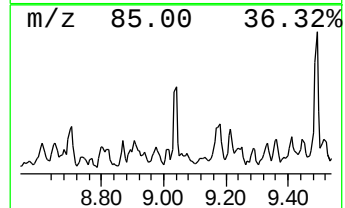
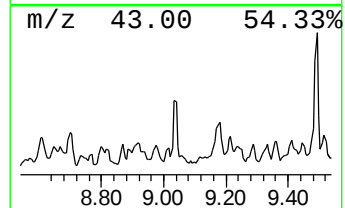
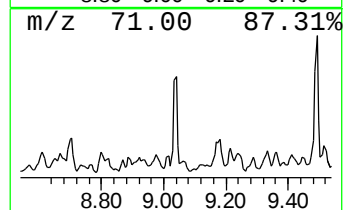
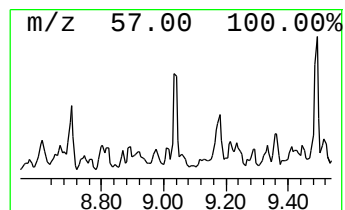
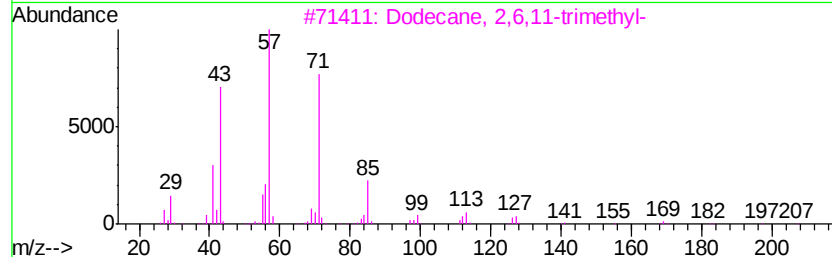
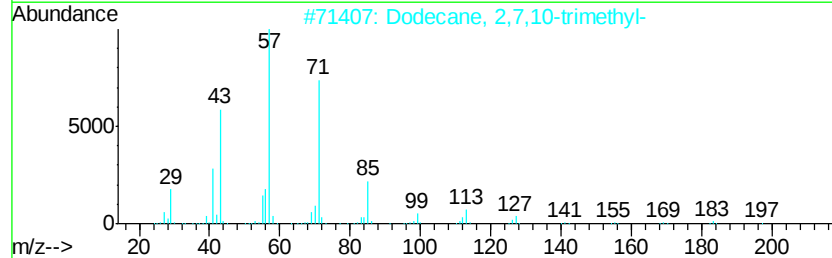
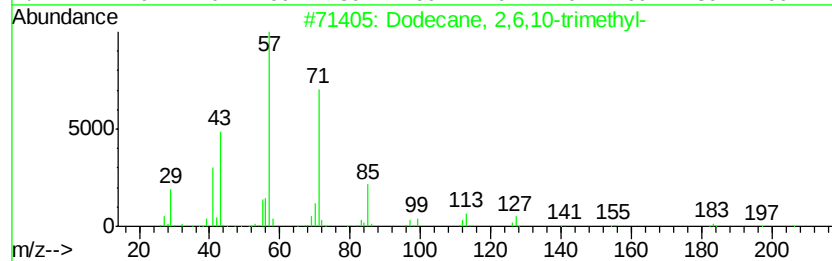
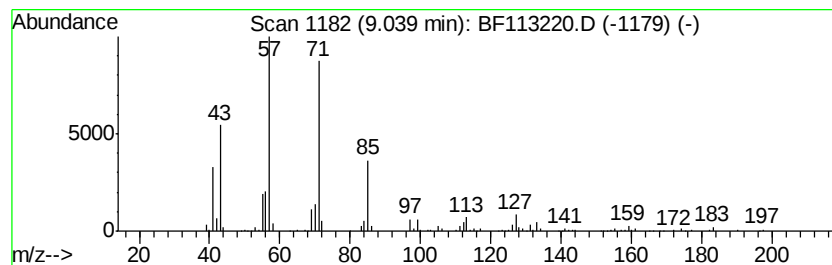
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dodecane, 2,6,10-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	4.88 ng	377774	Acenaphthene-d10	9.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
4			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	53
5			Oxalic acid, isobutyl neopentyl ...	216	C11H20O4	1000309-72-6	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

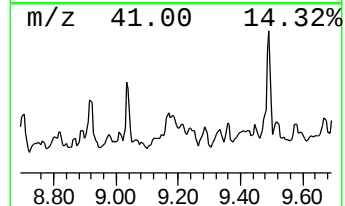
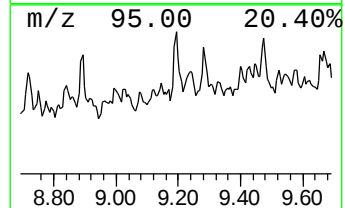
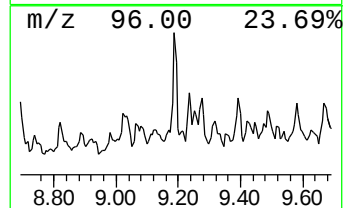
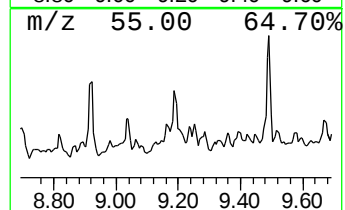
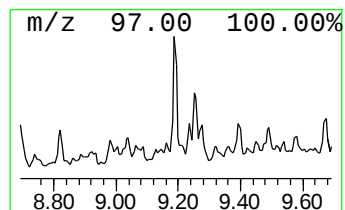
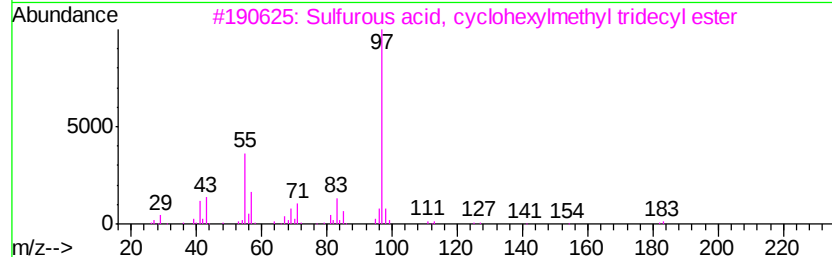
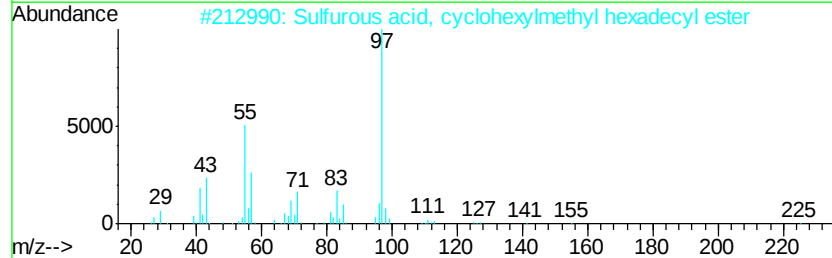
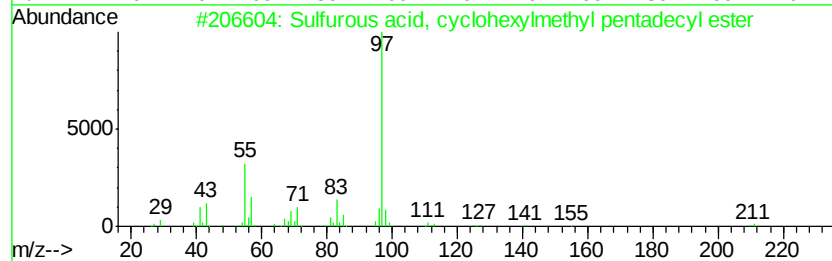
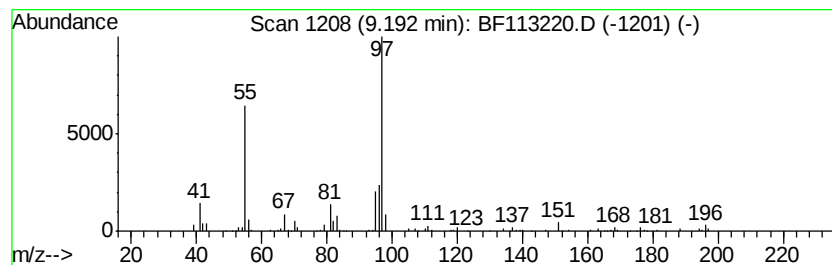
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Sulfurous acid, cyclohexylm... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	4.43 ng	342698	Acenaphthene-d10	9.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	72
2			Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	64
3			Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	59
4			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	59
5			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

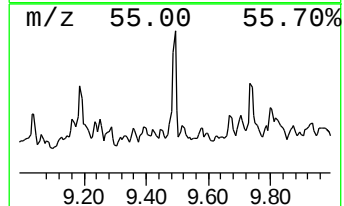
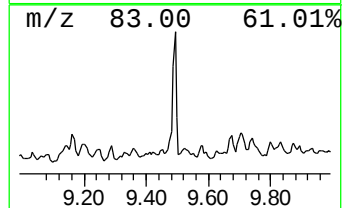
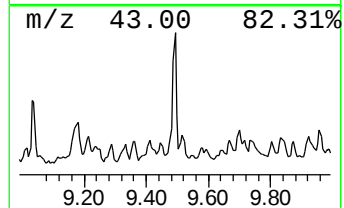
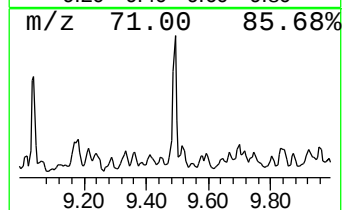
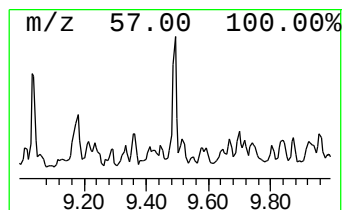
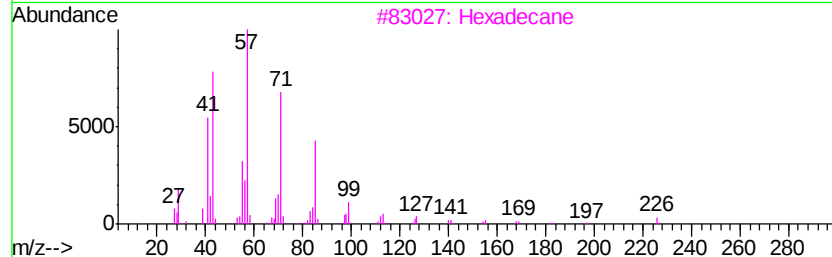
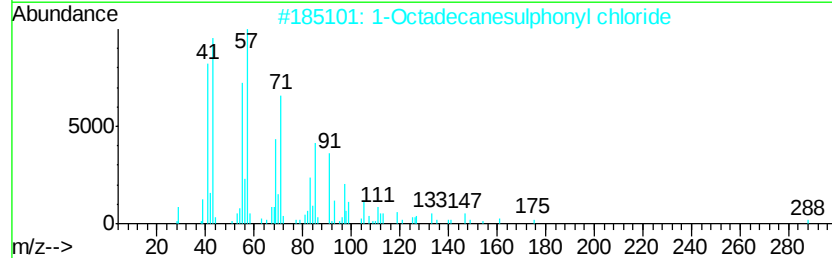
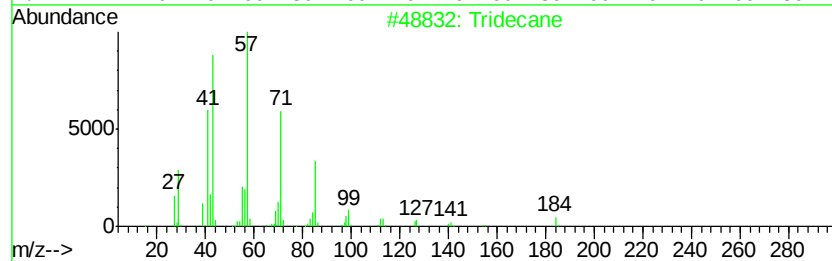
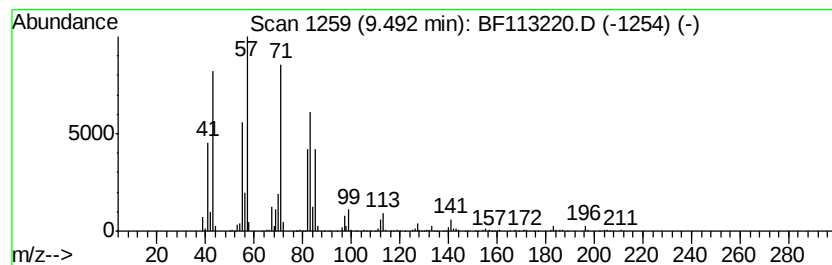
Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

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 12 Tridecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.49	9.68 ng	749324	Acenaphthene-d10	9.76	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	70
2	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	64
3	Hexadecane	226	C16H34	000544-76-3	62
4	Decane, 5-propyl-	184	C13H28	017312-62-8	60
5	Tetradecane	198	C14H30	000629-59-4	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

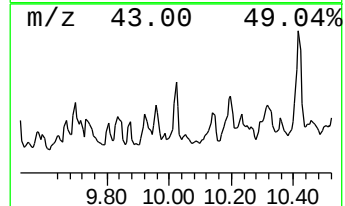
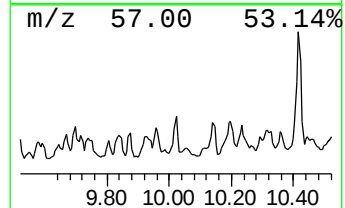
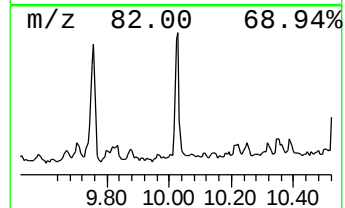
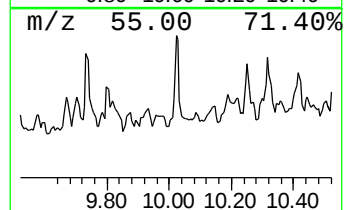
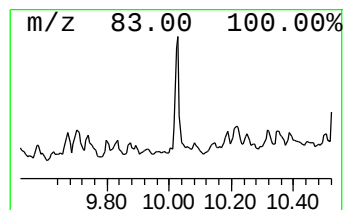
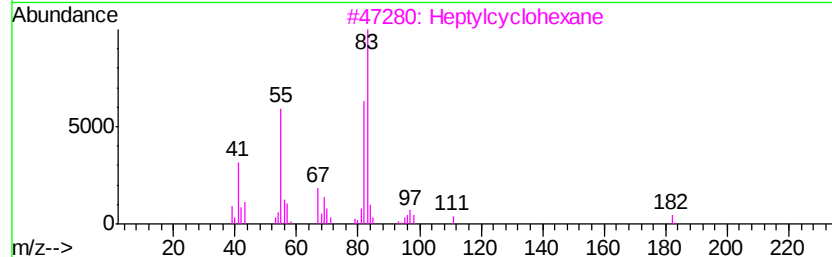
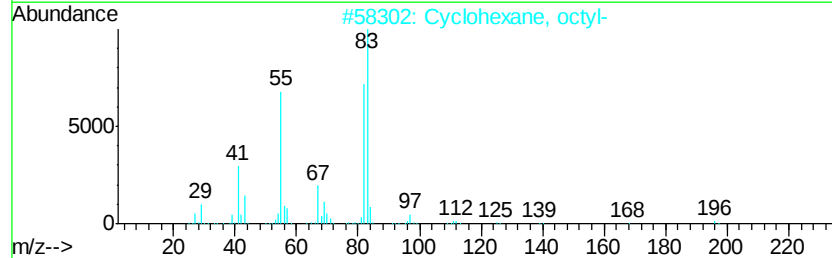
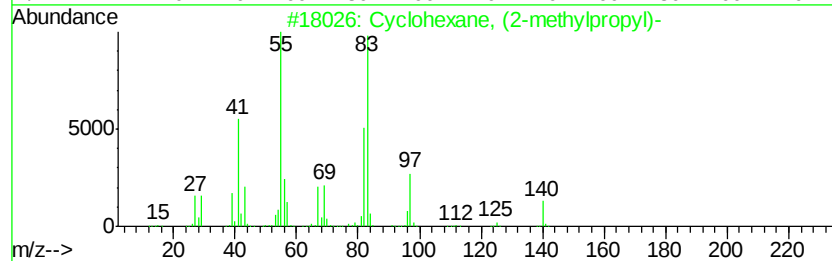
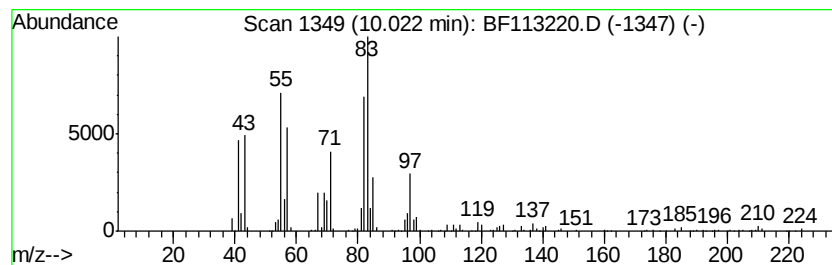
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclohexane, (2-methylpropyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	4.37 ng	338118	Acenaphthene-d10	9.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	62
2			Cyclohexane, octyl-	196	C14H28	001795-15-9	52
3			Heptylcyclohexane	182	C13H26	005617-41-4	50
4			Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	50
5			n-Nonylcyclohexane	210	C15H30	002883-02-5	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

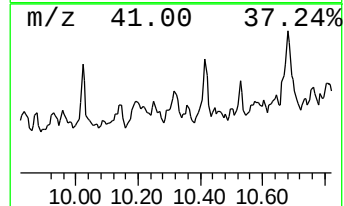
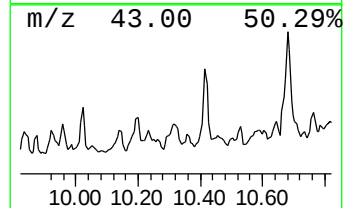
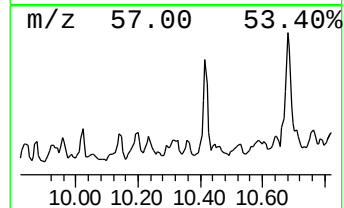
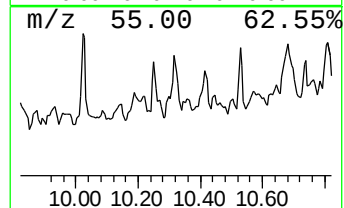
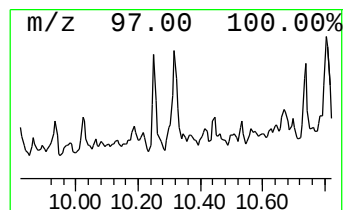
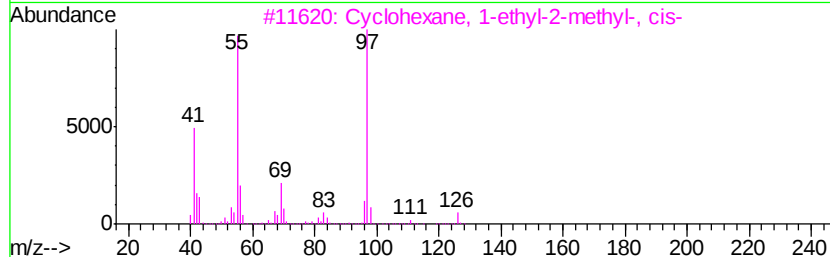
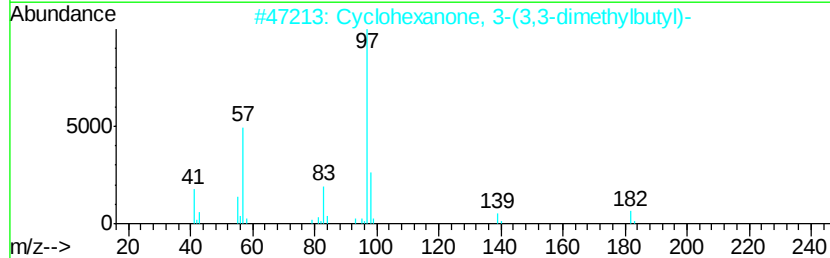
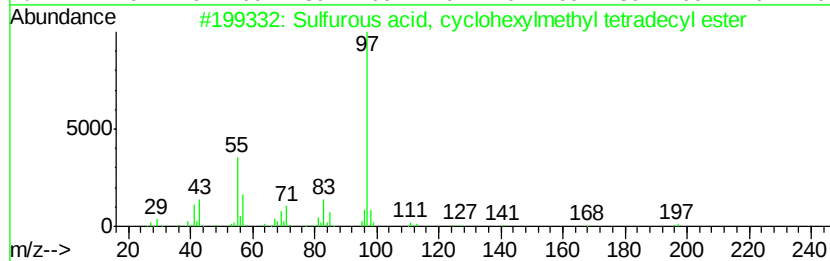
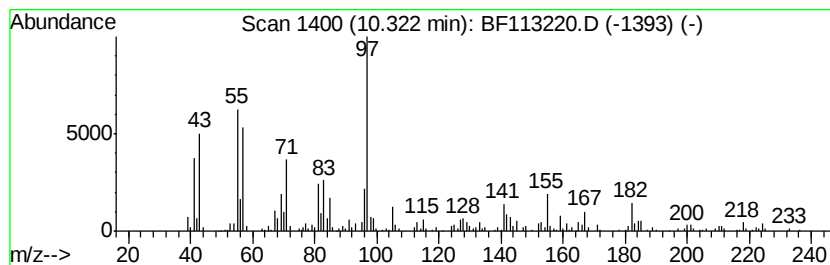
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Sulfurous acid, cyclohexylm... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	6.74 ng	521494	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	53
2		Cyclohexanone, 3-(3,3-dimethylbu...	182	C12H22O	040564-94-1	50
3		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	46
4		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	43
5		Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

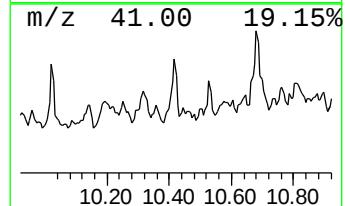
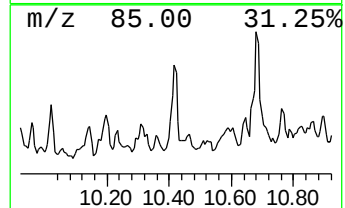
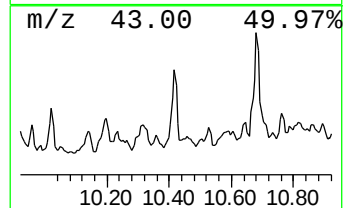
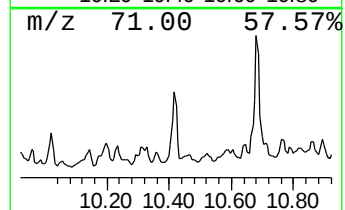
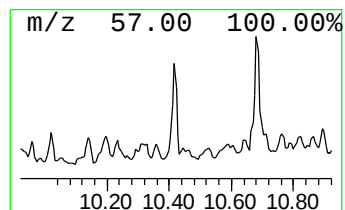
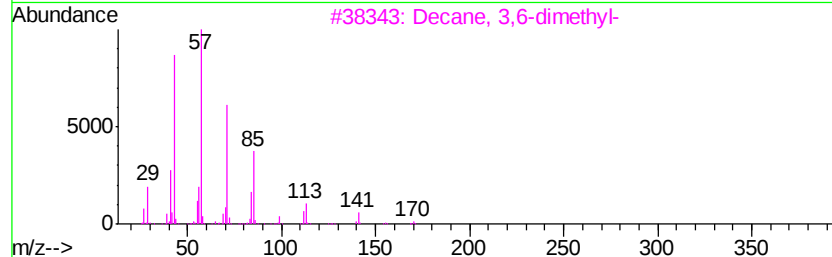
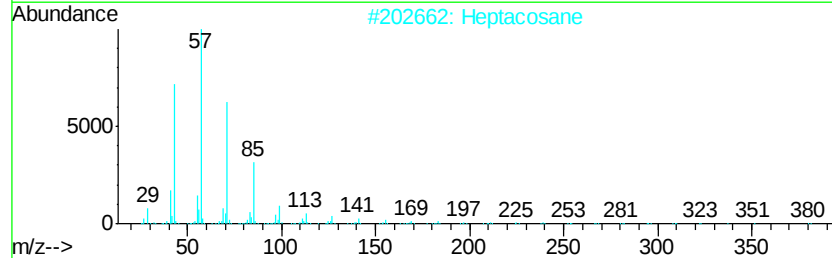
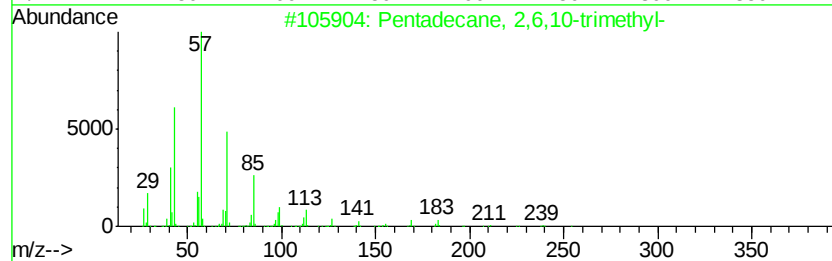
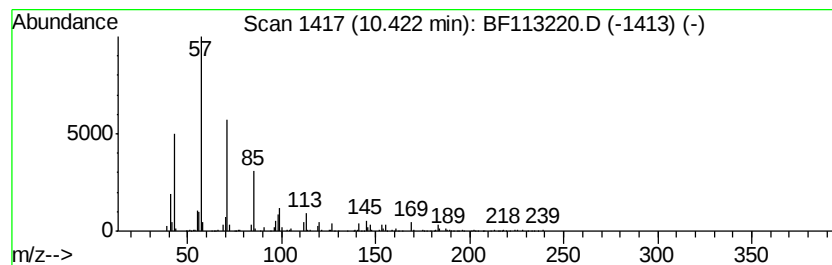
Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

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 15 Pentadecane, 2,6,10-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.42	4.80 ng	371873	Acenaphthene-d10		9.76
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
2	Heptacosane	380	C27H56	000593-49-7	80
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	74
4	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	72
5	Tridecane	184	C13H28	000629-50-5	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

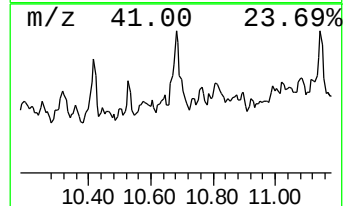
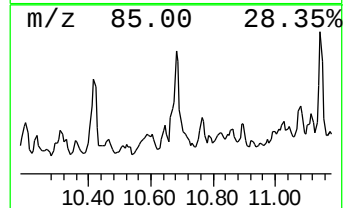
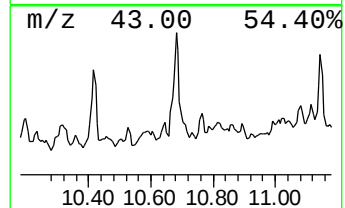
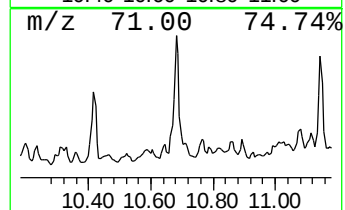
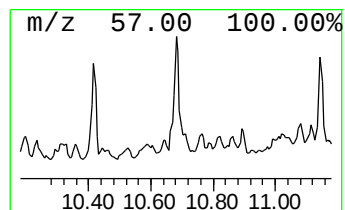
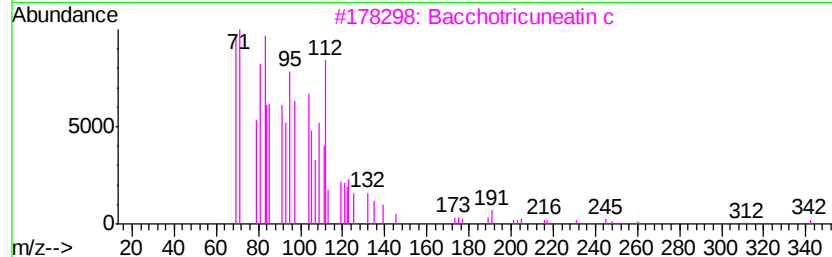
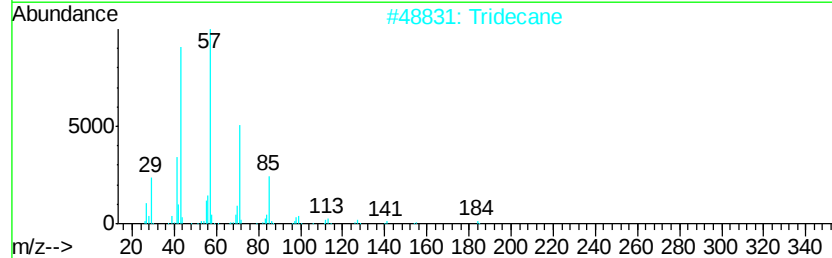
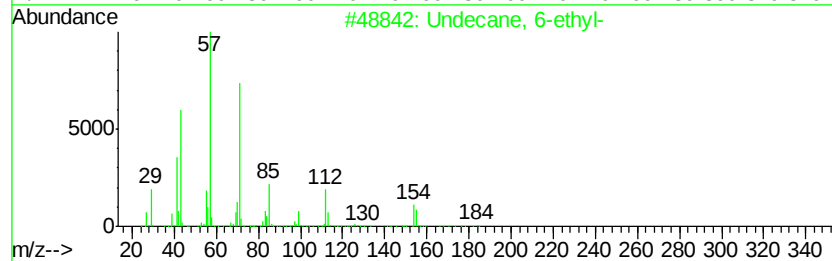
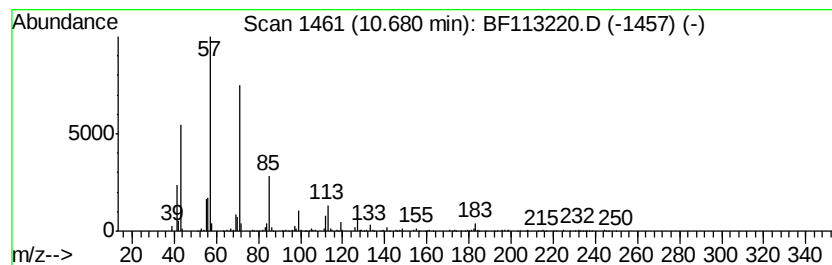
Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

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 16 Undecane, 6-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.68	14.63 ng	843640	Phenanthrene-d10	11.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-ethyl-	184	C13H28	017312-60-6	68
2	Tridecane	184	C13H28	000629-50-5	64
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

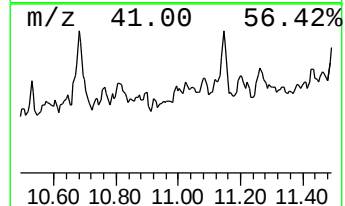
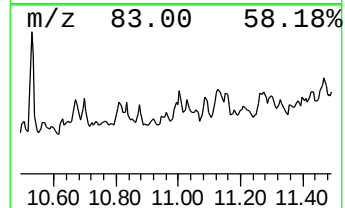
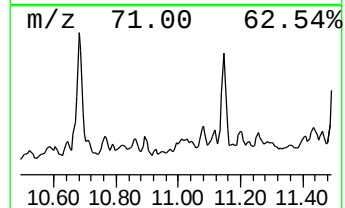
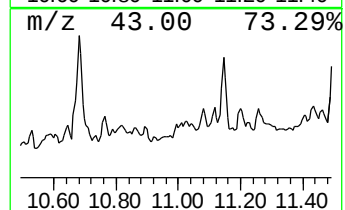
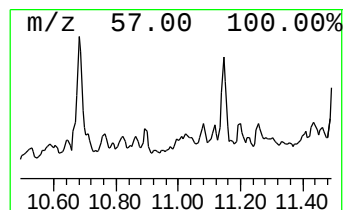
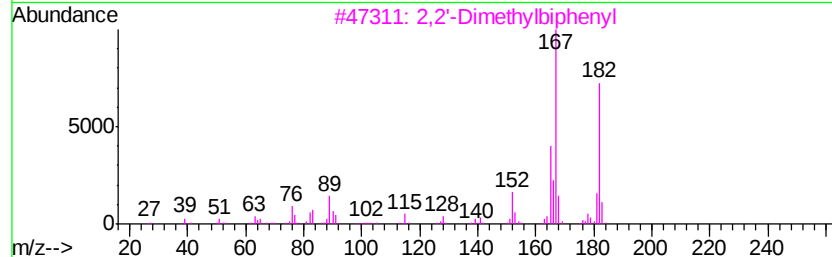
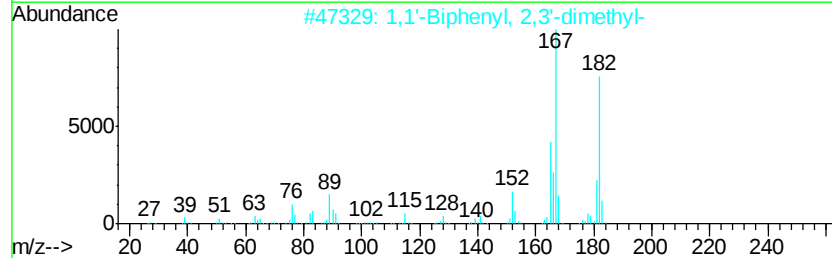
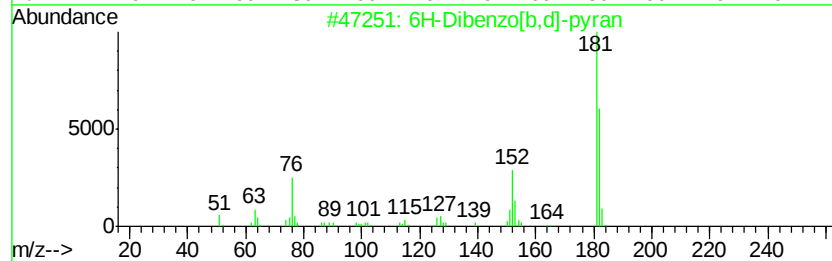
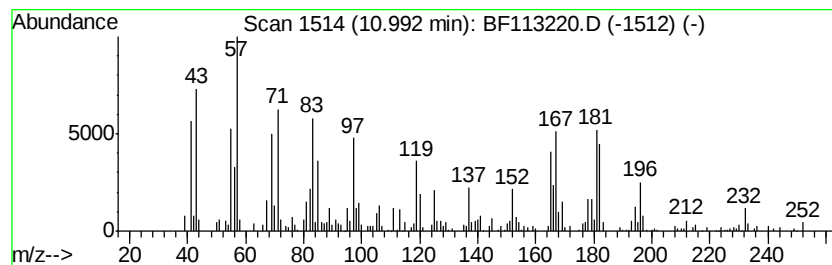
Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

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 17 unknown10.99 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.99	4.54 ng	261774	Phenanthrene-d10	11.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	30
2	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	30
3	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	30
4	1,7-Dimethyl-3-phenyltricyclo[4...	196	C15H16	1000200-99-4	30
5	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

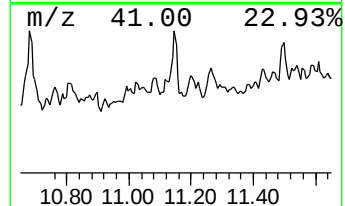
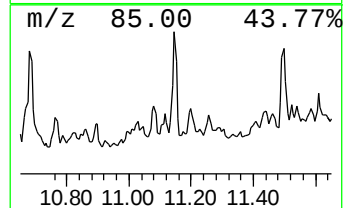
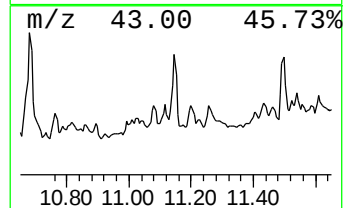
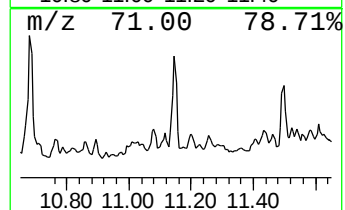
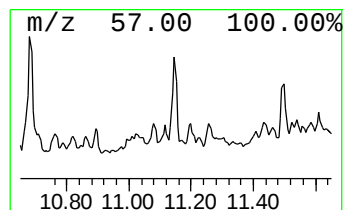
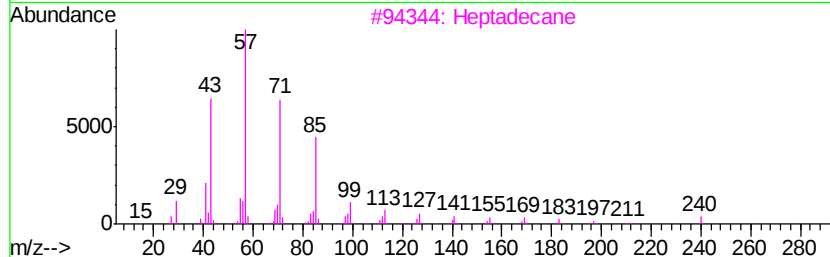
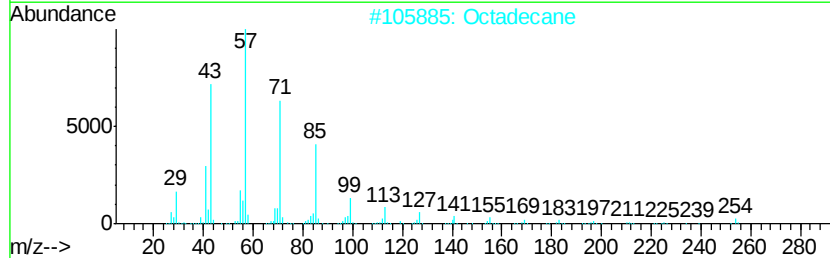
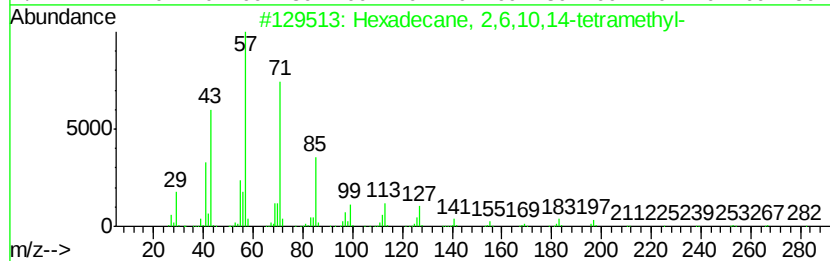
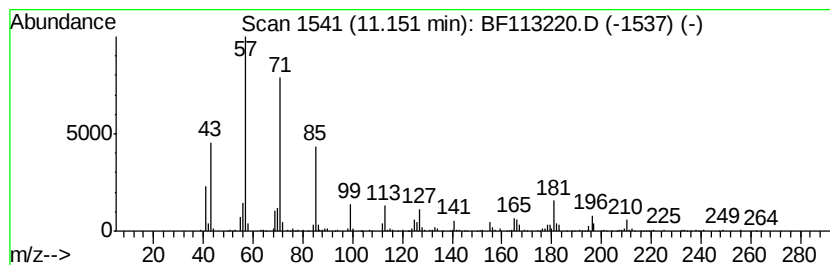
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Hexadecane, 2,6,10,14-tetra... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	9.69 ng	558457	Phenanthrene-d10	11.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
2			Octadecane	254	C18H38	000593-45-3	86
3			Heptadecane	240	C17H36	000629-78-7	86
4			Octacosane	394	C28H58	000630-02-4	86
5			Heneicosane	296	C21H44	000629-94-7	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

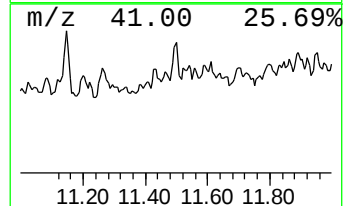
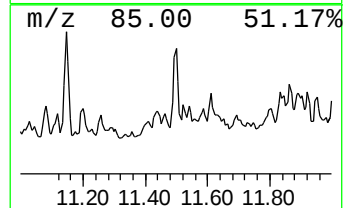
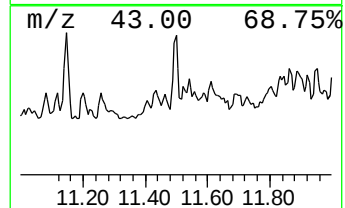
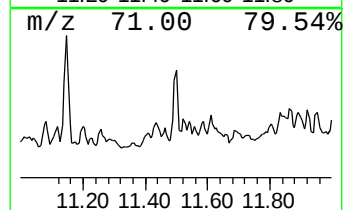
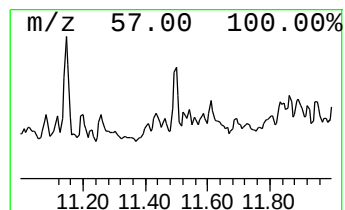
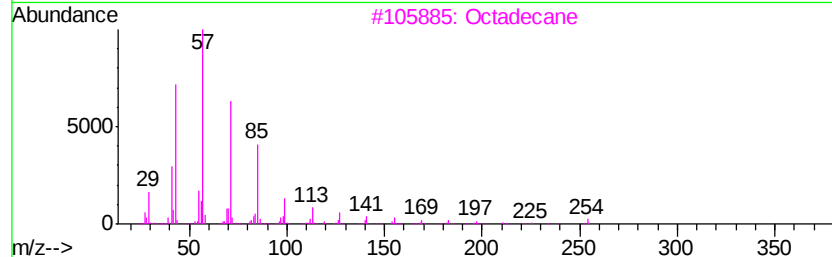
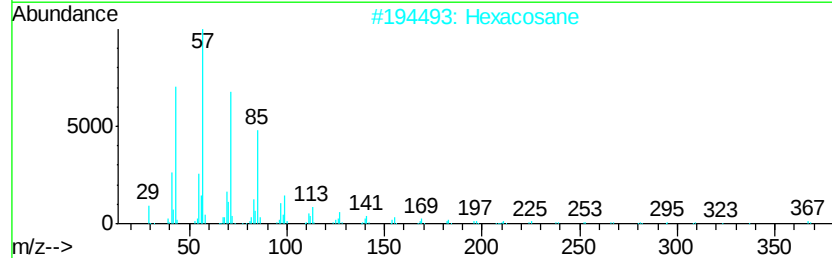
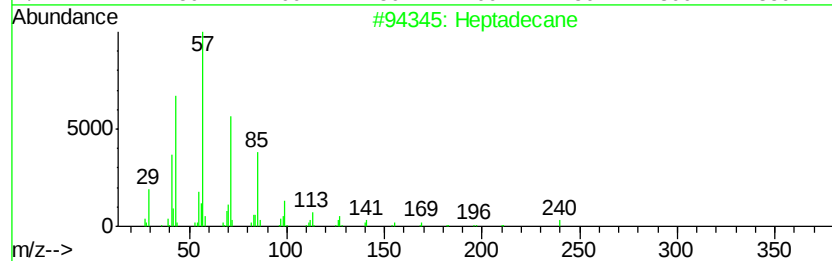
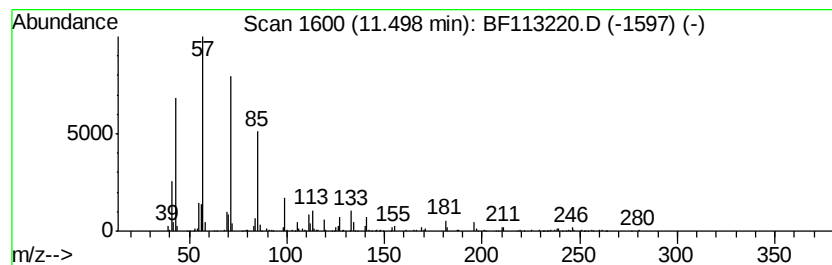
Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

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 19 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.50	5.71 ng	328937	Phenanthrene-d10		11.24
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	86
2	Hexacosane	366	C26H54	000630-01-3	86
3	Octadecane	254	C18H38	000593-45-3	83
4	Tritetracontane	605	C43H88	007098-21-7	80
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113220.D
Acq On : 21 Mar 2019 20:44
Operator : JU/SJ
Sample : K2004-09 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

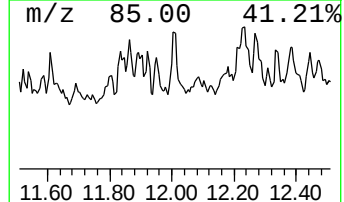
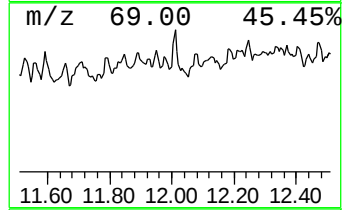
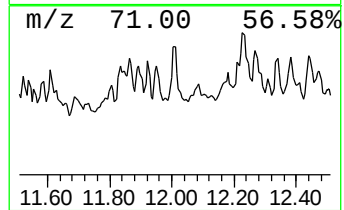
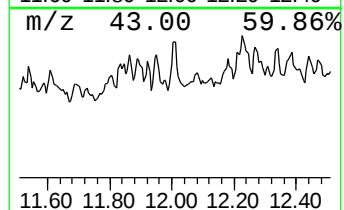
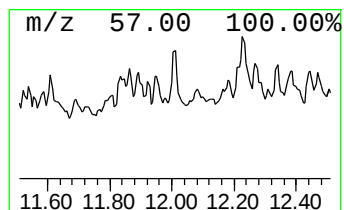
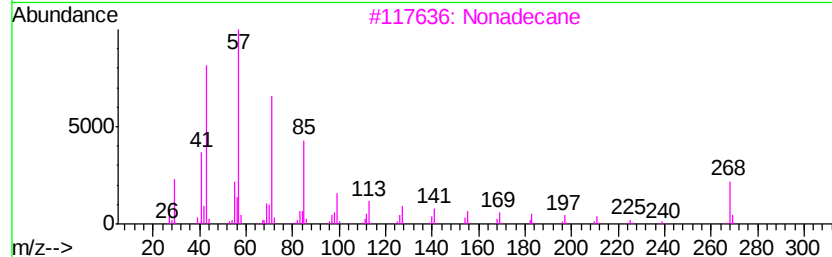
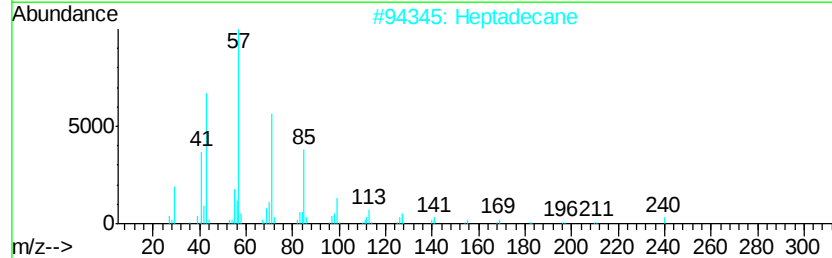
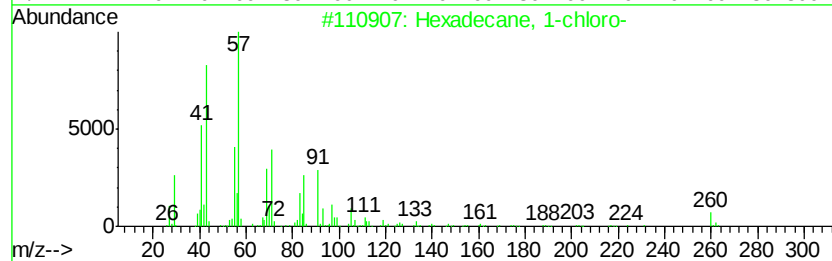
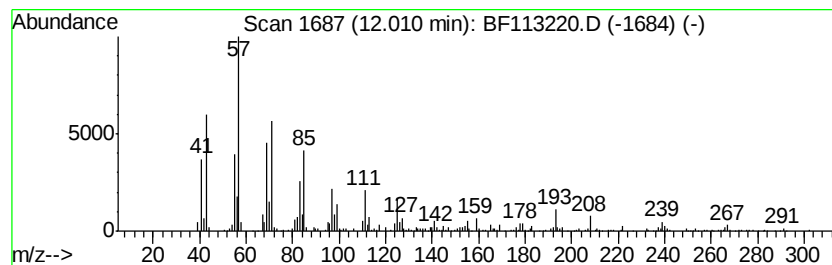
Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

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 20 Hexadecane, 1-chloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.01	5.84 ng	336899	Phenanthrene-d10		11.24	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane,	1-chloro-	260	C16H33Cl	004860-03-1	93
2	Heptadecane		240	C17H36	000629-78-7	91
3	Nonadecane		268	C19H40	000629-92-5	90
4	Nonadecane,	1-chloro-	302	C19H39Cl	062016-76-6	76
5	Sulfurous acid,	butyl heptadecyl...	376	C21H44O3S	1000309-18-4	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113220.D
 Acq On : 21 Mar 2019 20:44
 Operator : JU/SJ
 Sample : K2004-09 20X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-22(7-8)

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
Cyclohexane, 1,2-...	4.31	4.3	ng	221288	1	6.72	1020940	20.0
Heptane, 2,5-dime...	4.84	5.1	ng	258250	1	6.72	1020940	20.0
Cyclohexane, 1-et...	5.74	5.2	ng	264639	1	6.72	1020940	20.0
Cyclohexanol, 2-(...	5.87	4.8	ng	242556	1	6.72	1020940	20.0
unknown6.49	6.49	6.0	ng	307767	1	6.72	1020940	20.0
Undecane, 3,5-dim...	8.08	4.4	ng	323545	2	8.00	1485430	20.0
Cyclohexane, hexyl-	8.30	4.8	ng	354247	2	8.00	1485430	20.0
Sulfurous acid, b...	8.44	5.4	ng	399113	2	8.00	1485430	20.0
Dodecane, 2,6,10-...	9.04	4.9	ng	377774	3	9.76	1548290	20.0
Sulfurous acid, c...	9.19	4.4	ng	342698	3	9.76	1548290	20.0
Tridecane	9.49	9.7	ng	749324	3	9.76	1548290	20.0
Cyclohexane, (2-m...	10.02	4.4	ng	338118	3	9.76	1548290	20.0
Sulfurous acid, c...	10.32	6.7	ng	521494	3	9.76	1548290	20.0
Pentadecane, 2,6,...	10.42	4.8	ng	371873	3	9.76	1548290	20.0
Undecane, 6-ethyl-	10.68	14.6	ng	843640	4	11.24	1153010	20.0
unknown10.99	10.99	4.5	ng	261774	4	11.24	1153010	20.0
Hexadecane, 2,6,1...	11.15	9.7	ng	558457	4	11.24	1153010	20.0
Heptadecane	11.50	5.7	ng	328937	4	11.24	1153010	20.0
Hexadecane, 1-chl...	12.01	5.8	ng	336899	4	11.24	1153010	20.0