

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011119\
 Data File : BF112032.D
 Acq On : 11 Jan 2019 22:55
 Operator : JU/SJ
 Sample : K1102-03 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-02(15-20)

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-BF010719.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	5.504	578	581	590	rVB	417345	372102	8.94%	0.941%
2	6.128	682	687	694	rBV3	121278	176666	4.25%	0.447%
3	6.316	714	719	723	rBV2	68399	82208	1.98%	0.208%
4	6.375	727	729	732	rVB	89265	75720	1.82%	0.191%
5	6.410	732	735	738	rBV2	88476	109878	2.64%	0.278%
6	6.516	747	753	757	rBV	432930	438862	10.55%	1.109%
7	6.622	766	771	772	rBV2	70120	98892	2.38%	0.250%
8	6.645	772	775	783	rVB	488793	514584	12.37%	1.301%
9	6.816	798	804	805	rBV6	43551	65664	1.58%	0.166%
10	6.875	810	814	815	rVV2	165066	196677	4.73%	0.497%
11	6.892	815	817	820	rVB	280988	215435	5.18%	0.545%
12	6.934	821	824	827	rBV2	71786	85354	2.05%	0.216%
13	7.028	837	840	843	rBV2	517774	498747	11.99%	1.261%
14	7.151	858	861	864	rVB	215537	202938	4.88%	0.513%
15	7.181	864	866	870	rBV3	81371	98055	2.36%	0.248%
16	7.275	876	882	884	rBV2	159043	199474	4.80%	0.504%
17	7.304	884	887	892	rVB5	57782	76361	1.84%	0.193%
18	7.410	900	905	906	rBV2	232512	273749	6.58%	0.692%
19	7.428	906	908	911	rVV	306165	290946	6.99%	0.736%
20	7.457	911	913	919	rVB4	140271	171891	4.13%	0.435%
21	7.522	919	924	927	rVB4	212373	318413	7.65%	0.805%
22	7.587	927	935	937	rBV3	172553	350445	8.42%	0.886%
23	7.628	939	942	944	rVV2	75730	81655	1.96%	0.206%
24	7.657	944	947	949	rVV2	213575	197777	4.75%	0.500%
25	7.687	949	952	954	rVB2	161493	140085	3.37%	0.354%
26	7.757	960	964	966	rBV2	134490	161202	3.88%	0.408%
27	7.781	966	968	970	rVV	235342	218665	5.26%	0.553%
28	7.804	970	972	975	rVV3	248674	242060	5.82%	0.612%
29	7.834	975	977	981	rVB4	165131	192471	4.63%	0.487%
30	7.875	981	984	986	rBV2	96149	90683	2.18%	0.229%
31	7.922	989	992	994	rVV3	102775	118967	2.86%	0.301%
32	7.975	998	1001	1007	rVB5	139090	165552	3.98%	0.419%
33	8.028	1007	1010	1014	rBV2	127839	182625	4.39%	0.462%
34	8.063	1014	1016	1018	rBV2	98450	79407	1.91%	0.201%

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35	8.110	1019	1024	1027	rVV5	132372	244720	5.88%	0.619%
36	8.151	1027	1031	1035	rVV3	247377	463525	11.14%	1.172%
37	8.222	1038	1043	1045	rVB	752500	712527	17.13%	1.801%
38	8.245	1045	1047	1050	rBV2	177613	172130	4.14%	0.435%
39	8.269	1050	1051	1055	rVB3	91768	95594	2.30%	0.242%
40	8.316	1055	1059	1060	rBV3	107052	109189	2.62%	0.276%
41	8.334	1060	1062	1064	rVV2	84423	67620	1.63%	0.171%
42	8.369	1064	1068	1070	rVB2	123215	152179	3.66%	0.385%
43	8.451	1078	1082	1085	rVB2	381985	347568	8.36%	0.879%
44	8.510	1089	1092	1094	rBV2	98818	96709	2.32%	0.244%
45	8.545	1094	1098	1100	rBV4	119089	130473	3.14%	0.330%
46	8.581	1101	1104	1106	rBV	748037	568473	13.67%	1.437%
47	8.604	1106	1108	1110	rVB2	127773	92237	2.22%	0.233%
48	8.622	1110	1111	1116	rVB4	147590	120459	2.90%	0.305%
49	8.663	1116	1118	1121	rBV2	194128	168577	4.05%	0.426%
50	8.704	1121	1125	1127	rBV4	125875	141255	3.40%	0.357%
51	8.763	1131	1135	1137	rBV4	77495	102691	2.47%	0.260%
52	8.786	1137	1139	1141	rBV2	89593	93273	2.24%	0.236%
53	8.845	1146	1149	1152	rVB2	324197	358424	8.62%	0.906%
54	8.910	1157	1160	1162	rBV3	121417	85060	2.04%	0.215%
55	8.934	1162	1164	1168	rBV4	130447	211065	5.07%	0.534%
56	8.981	1170	1172	1174	rVB	130326	82252	1.98%	0.208%
57	9.004	1174	1176	1179	rVB3	79460	81712	1.96%	0.207%
58	9.034	1179	1181	1184	rBV4	79207	99224	2.39%	0.251%
59	9.069	1184	1187	1190	rVB4	225820	249988	6.01%	0.632%
60	9.098	1190	1192	1194	rBV2	114218	115247	2.77%	0.291%
61	9.122	1194	1196	1199	rVB3	90127	67184	1.62%	0.170%
62	9.157	1199	1202	1203	rBV	103143	70993	1.71%	0.179%
63	9.181	1203	1206	1210	rVB	851339	695073	16.71%	1.757%
64	9.228	1211	1214	1217	rVB	561789	474383	11.40%	1.199%
65	9.275	1220	1222	1224	rBV3	90539	71803	1.73%	0.182%
66	9.322	1224	1230	1234	rBV5	382561	628054	15.10%	1.588%
67	9.357	1234	1236	1239	rBV4	94298	111568	2.68%	0.282%
68	9.386	1239	1241	1243	rVB2	162418	119410	2.87%	0.302%
69	9.428	1246	1248	1252	rVB4	169047	162752	3.91%	0.411%
70	9.463	1252	1254	1256	rBV3	95492	95758	2.30%	0.242%
71	9.504	1256	1261	1264	rVB4	260330	347860	8.36%	0.879%

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72	9.545	1265	1268	1271	rBV4	355421	412189	9.91%	1.042%
73	9.575	1271	1273	1279	rVB2	732756	911211	21.90%	2.304%
74	9.639	1279	1284	1286	rBV3	1088866	1335570	32.11%	3.376%
75	9.663	1286	1288	1290	rVB	182763	142178	3.42%	0.359%
76	9.692	1290	1293	1295	rBV3	189068	183558	4.41%	0.464%
77	9.786	1305	1309	1312	rBV4	299098	468204	11.26%	1.184%
78	9.828	1312	1316	1319	rVB3	506759	608534	14.63%	1.538%
79	9.863	1319	1322	1324	rBV4	250965	328950	7.91%	0.832%
80	9.904	1324	1329	1334	rVV6	475662	925055	22.24%	2.339%
81	9.951	1334	1337	1339	rVV2	848627	798357	19.19%	2.018%
82	9.981	1340	1342	1346	rVB4	337577	397371	9.55%	1.005%
83	10.022	1346	1349	1352	rBV4	334584	393738	9.47%	0.995%
84	10.057	1353	1355	1357	rBV2	175998	185966	4.47%	0.470%
85	10.116	1362	1365	1368	rVB2	434762	515218	12.39%	1.303%
86	10.175	1372	1375	1382	rVB3	496491	669339	16.09%	1.692%
87	10.233	1382	1385	1387	rBV2	479455	520553	12.51%	1.316%
88	10.292	1392	1395	1397	rVB3	292461	291947	7.02%	0.738%
89	10.328	1398	1401	1405	rBV5	607837	691350	16.62%	1.748%
90	10.463	1421	1424	1429	rBV4	483876	811447	19.51%	2.051%
91	10.569	1439	1442	1446	rVB	1347806	1444450	34.72%	3.652%
92	10.839	1484	1488	1492	rBV	2956165	3325217	79.93%	8.407%
93	11.051	1520	1524	1528	rBV3	745023	1003103	24.11%	2.536%
94	11.310	1564	1568	1572	rVB	3955666	4159936	100.00%	10.517%
95	11.416	1584	1586	1590	rBV4	574072	927178	22.29%	2.344%
96	11.663	1625	1628	1630	rBV	1337937	1293632	31.10%	3.270%
97	12.398	1751	1753	1758	rVB	1094943	1300858	31.27%	3.289%
98	16.892	2514	2517	2520	rBV3	376047	718717	17.28%	1.817%

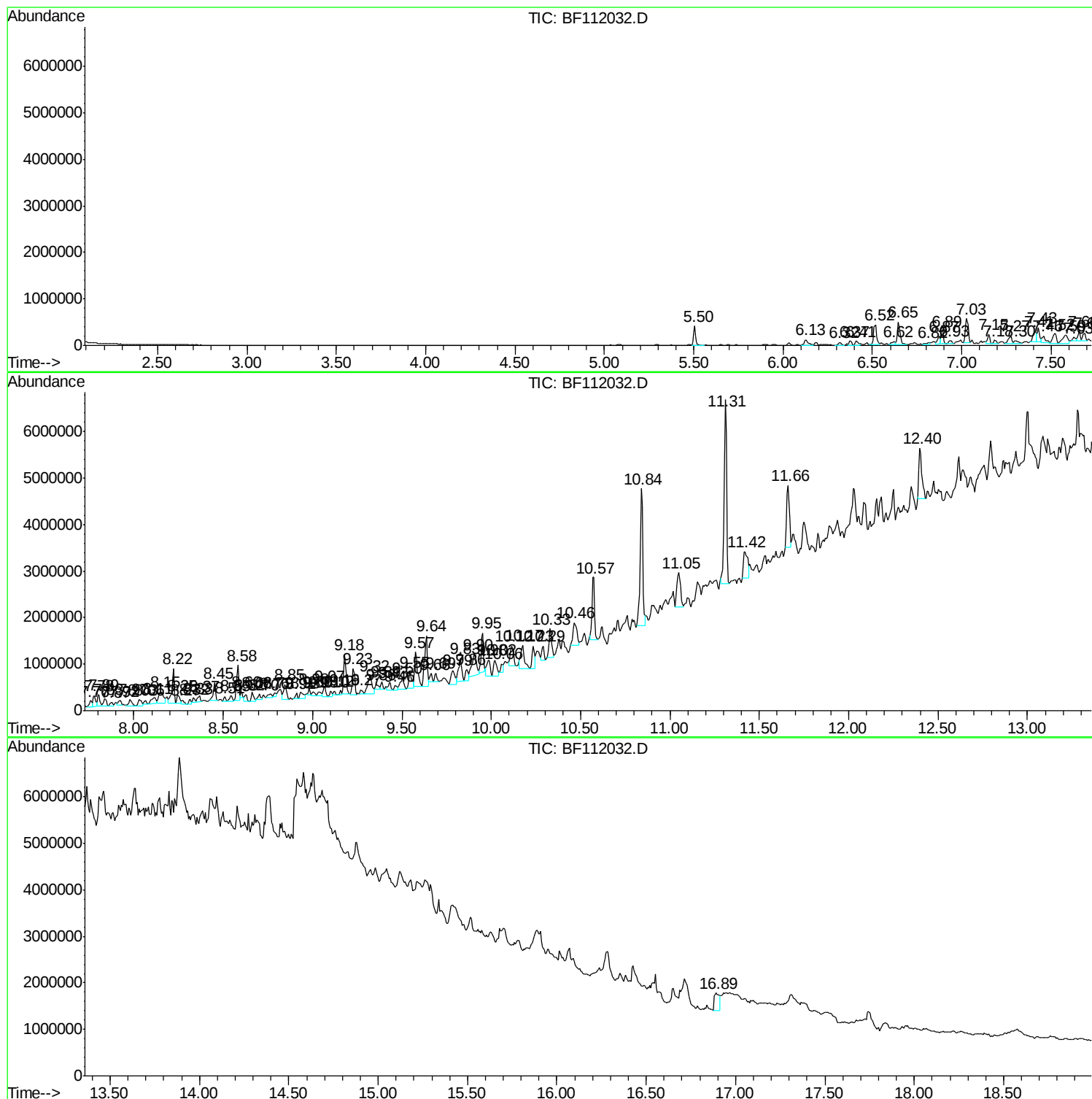
Sum of corrected areas: 39555045

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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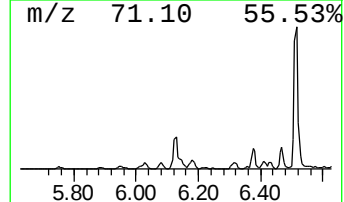
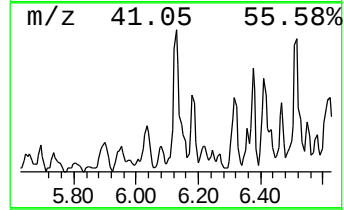
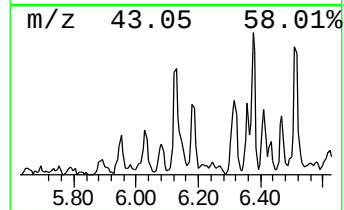
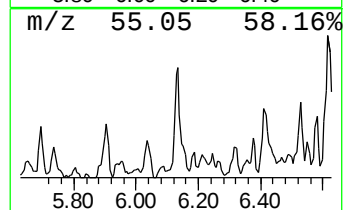
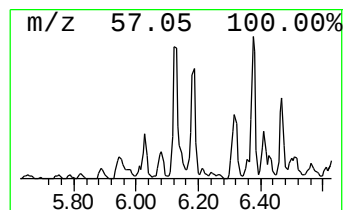
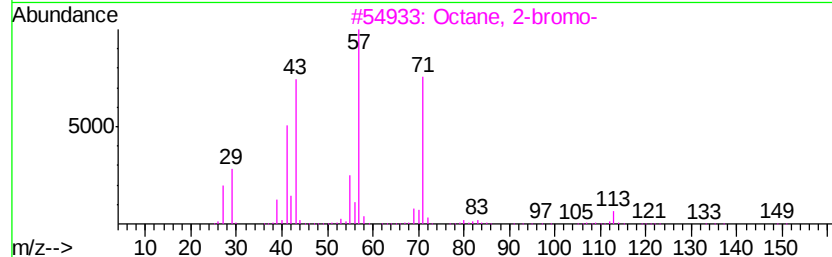
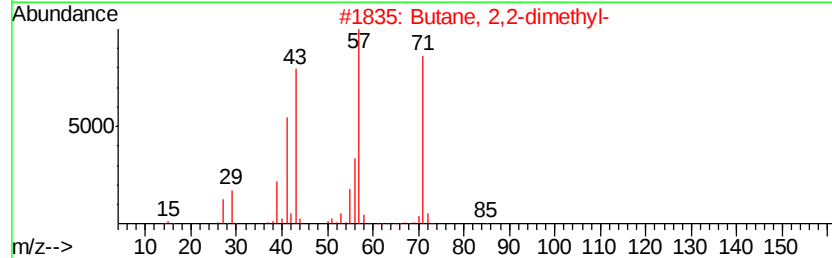
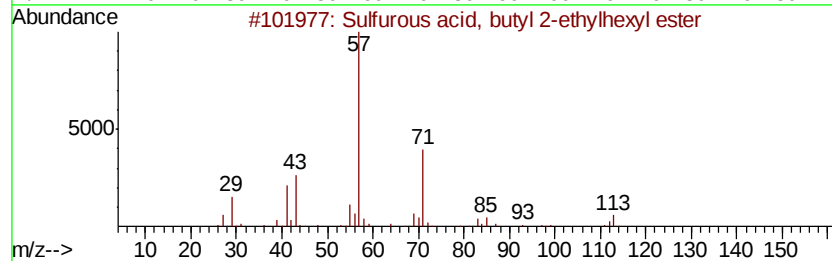
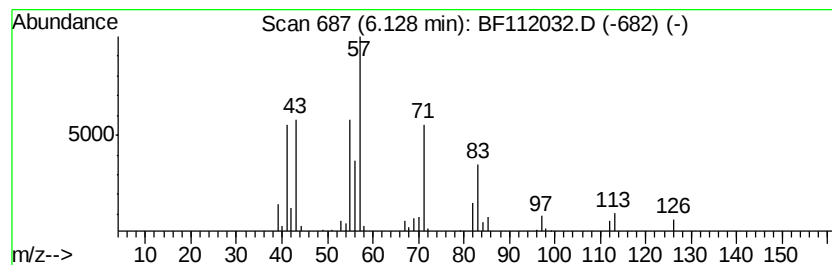
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Sulfurous acid, butyl 2-eth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.13	17.97 ng	176666	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	50
2		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	47
3		Octane, 2-bromo-	192	C8H17Br	000557-35-7	38
4		1-Decene, 4-methyl-	154	C11H22	013151-29-6	38
5		3-Bromooctane	192	C8H17Br	000999-64-4	38



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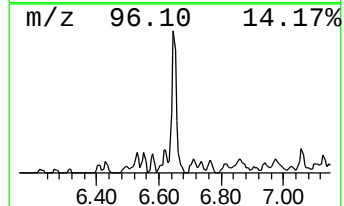
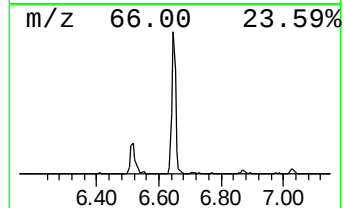
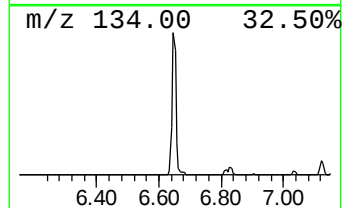
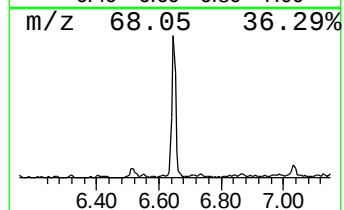
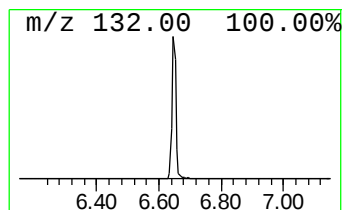
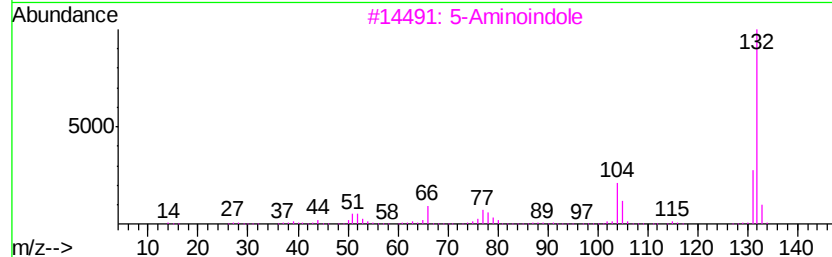
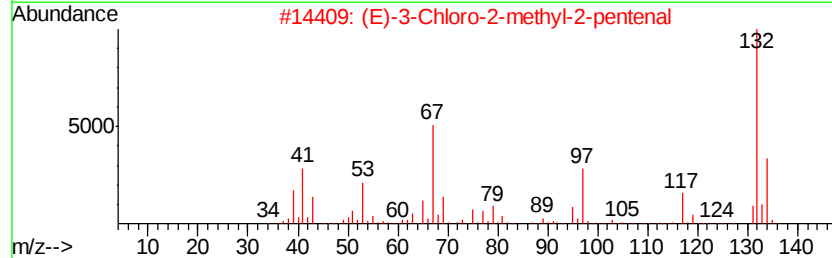
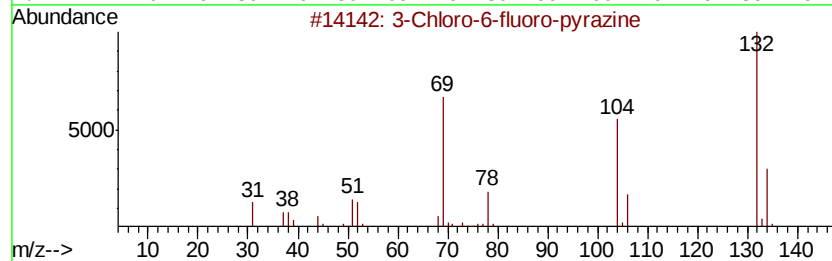
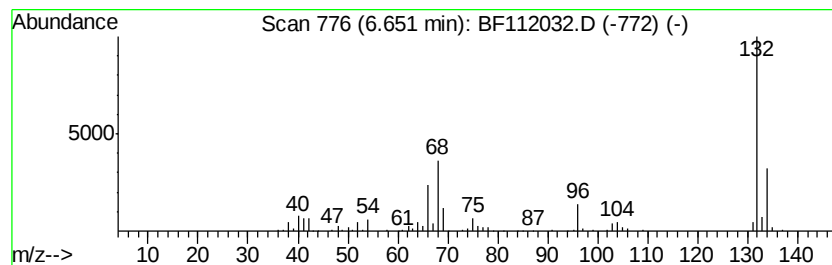
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown6.65 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	52.33 ng	514584	1,4-Dichlorobenzene-d4	6.87

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		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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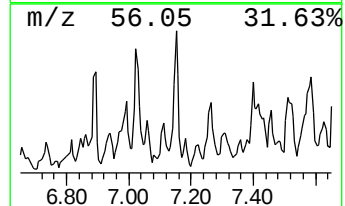
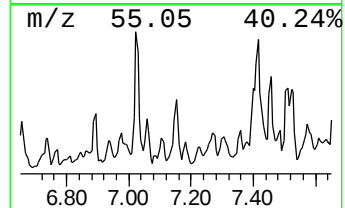
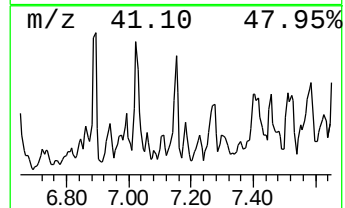
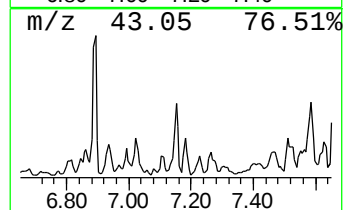
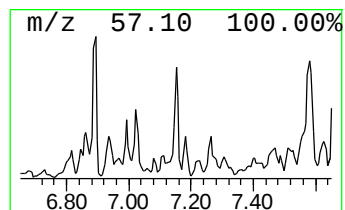
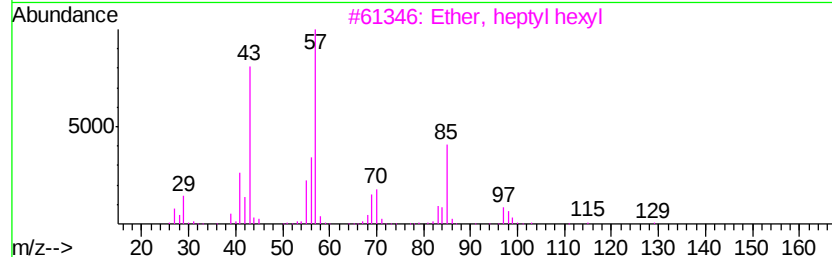
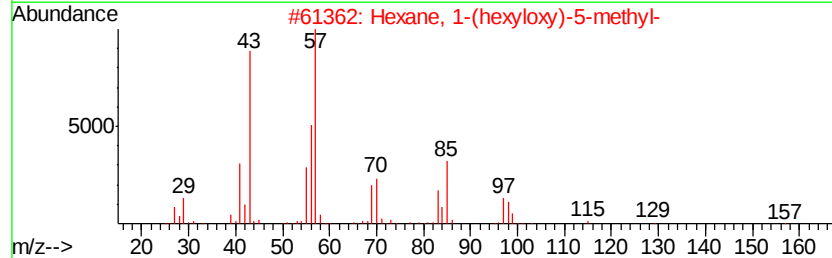
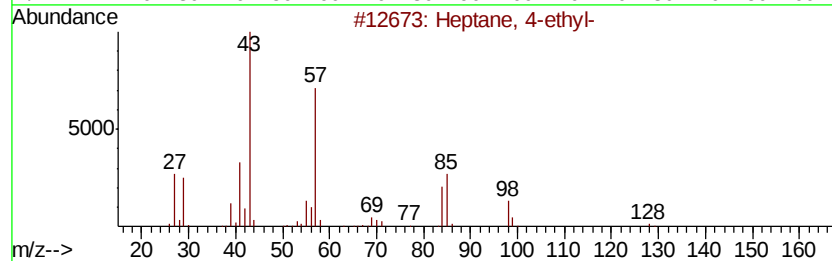
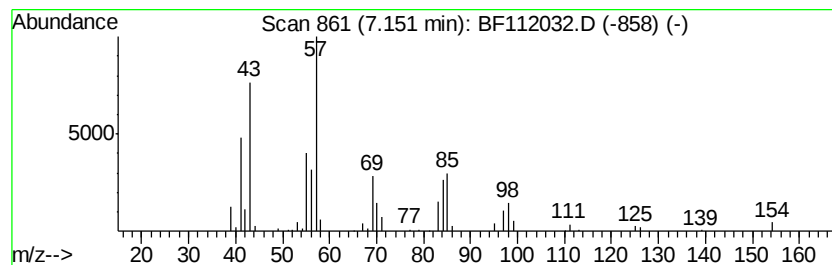
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Heptane, 4-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	20.64 ng	202938	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 4-ethyl-	128	C9H20	002216-32-2	53
2		Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	50
3		Ether, heptyl hexyl	200	C13H28O	007289-40-9	50
4		Decane, 5-methyl-	156	C11H24	013151-35-4	47
5		Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112032.D
Acq On : 11 Jan 2019 22:55
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CPSB-02(15-20)

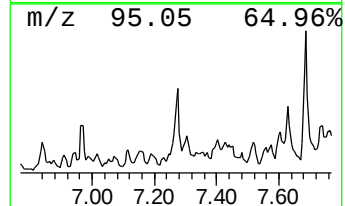
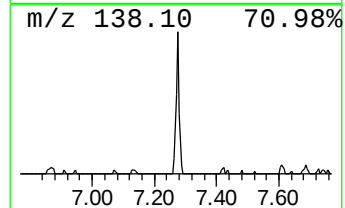
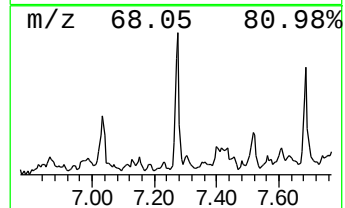
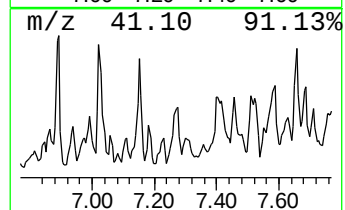
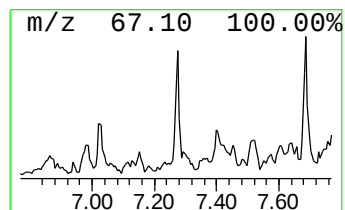
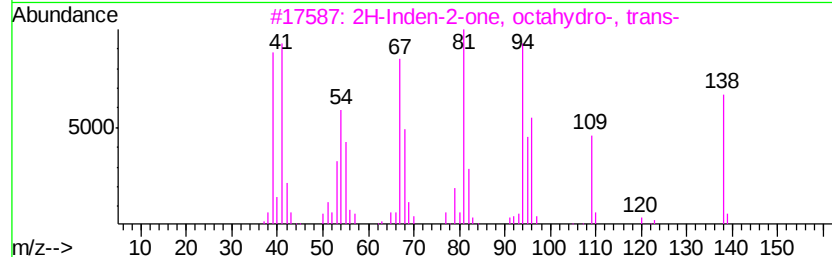
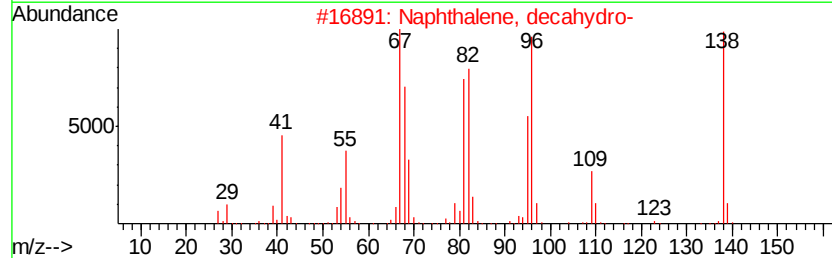
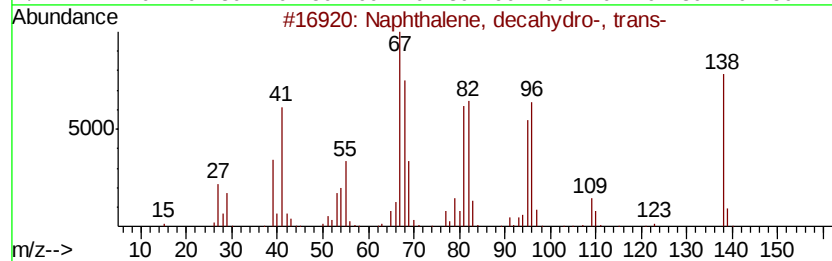
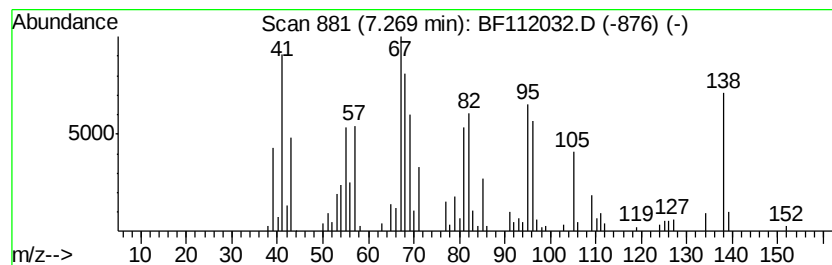
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, decahydro-, tr... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	20.28 ng	199474	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	91
3		2H-Inden-2-one, octahydro-, trans-	138	C9H14O	016484-17-6	72
4		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	70
5		Bicyclo[5.3.0]decane	138	C10H18	005661-80-3	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112032.D
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Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CPSB-02(15-20)

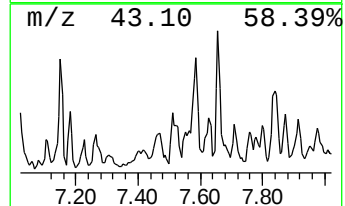
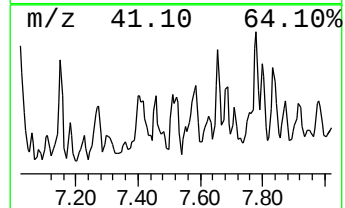
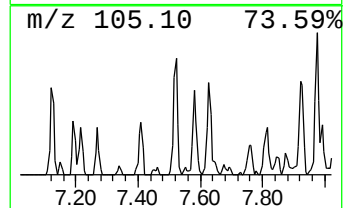
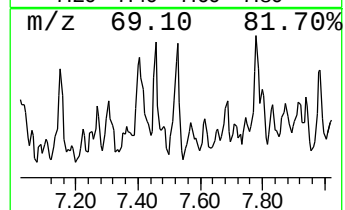
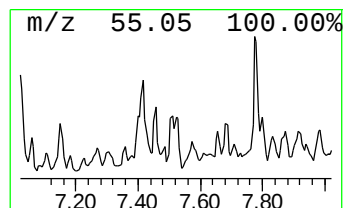
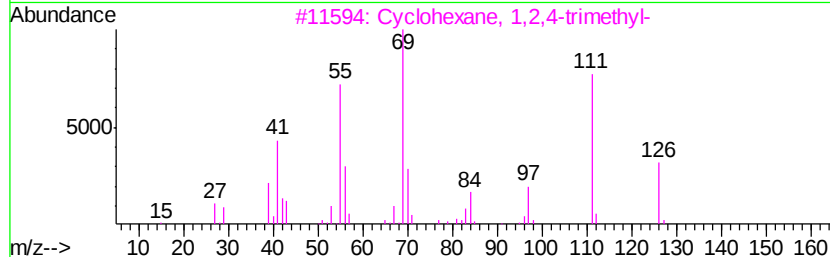
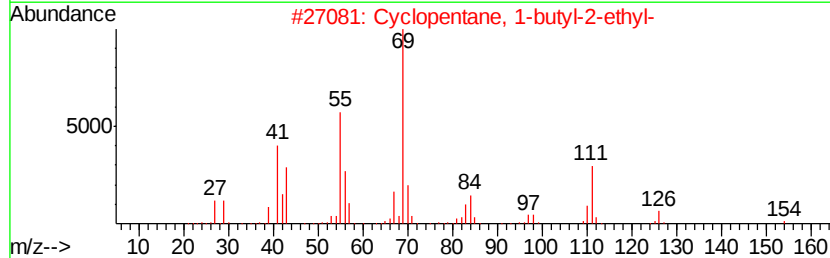
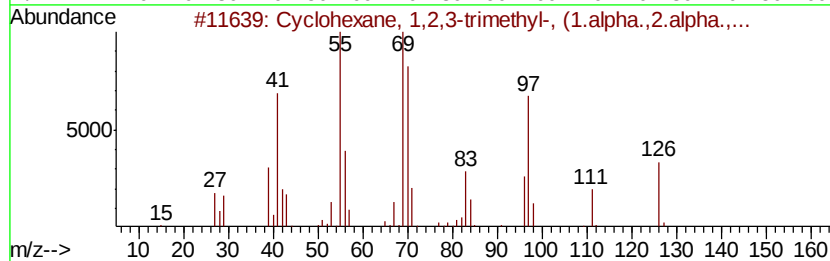
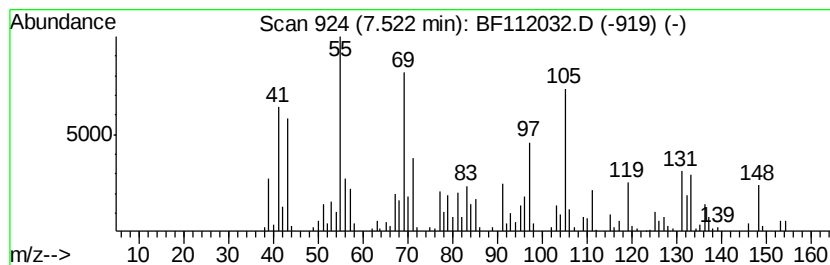
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown7.52 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	13.74 ng	318413	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	38
2		Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	27
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	27
4		4-Oxatricyclo[5.2.1.0(2,6)]decan...	154	C9H14O2	1000192-17-9	25
5		2,6-Octadien-1-ol, 3,7-dimethyl-...	182	C11H18O2	000105-86-2	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112032.D
Acq On : 11 Jan 2019 22:55
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

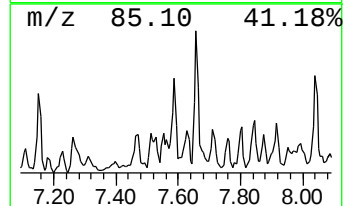
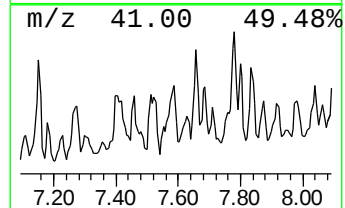
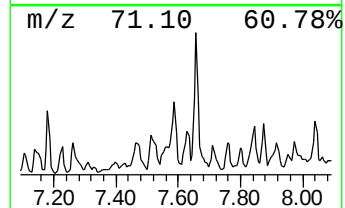
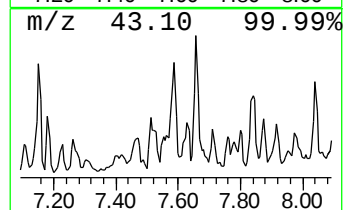
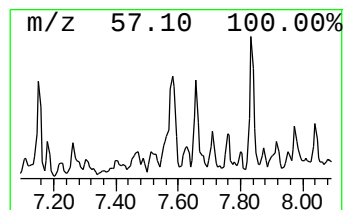
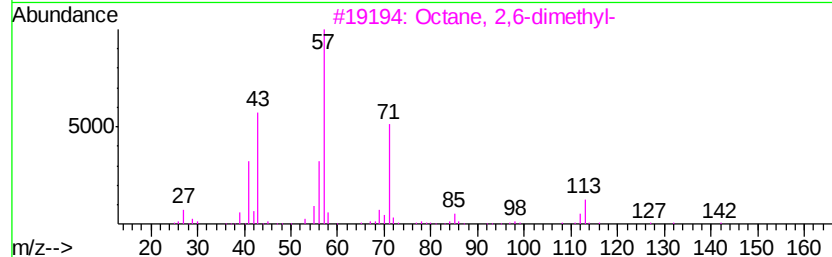
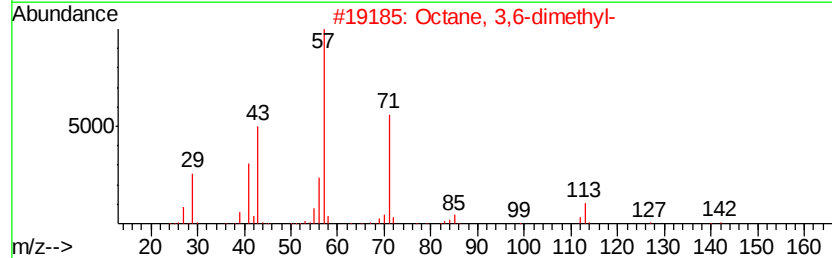
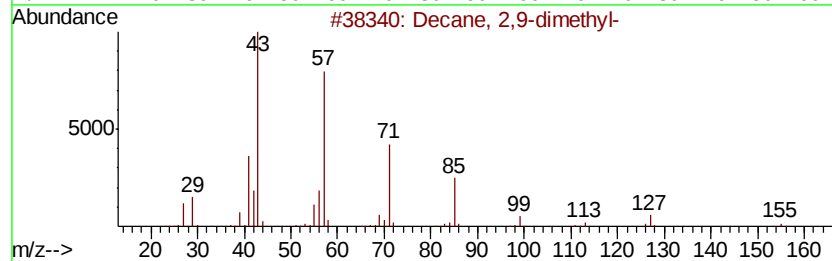
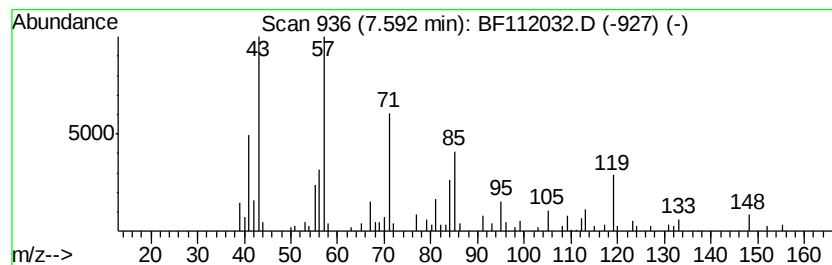
Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Decane, 2,9-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	15.12 ng	350445	Naphthalene-d8	8.16
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 2,9-dimethyl-	170 C12H26	001002-17-1	59
2	Octane, 3,6-dimethyl-	142 C10H22	015869-94-0	53
3	Octane, 2,6-dimethyl-	142 C10H22	002051-30-1	53
4	Undecane, 5-methyl-	170 C12H26	001632-70-8	53
5	Hexadecane	226 C16H34	000544-76-3	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112032.D
Acq On : 11 Jan 2019 22:55
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CPSB-02(15-20)

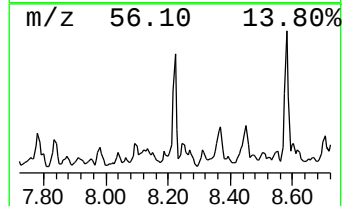
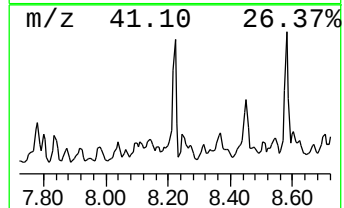
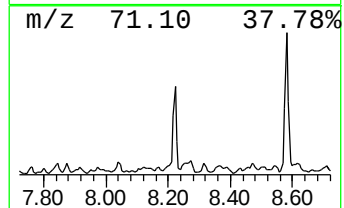
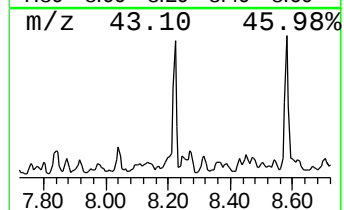
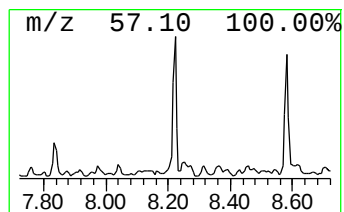
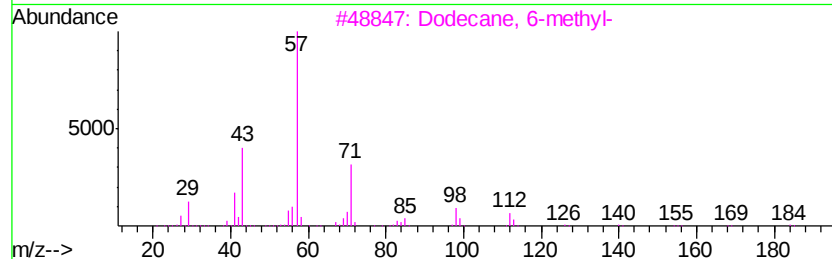
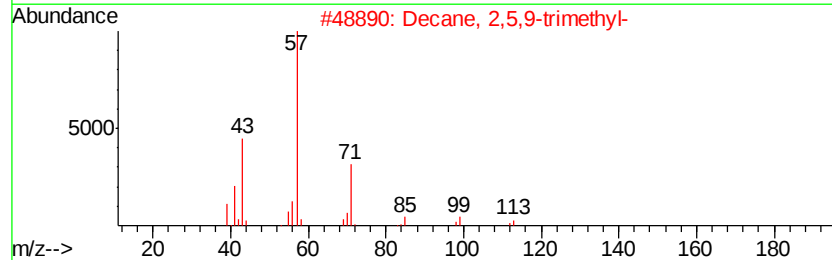
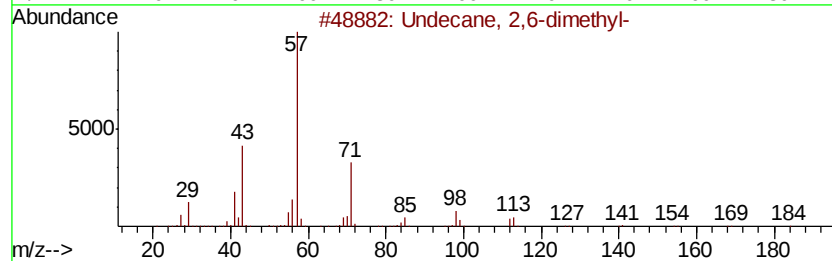
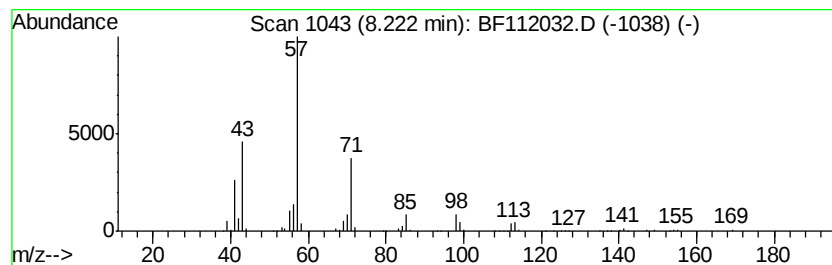
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Undecane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	30.74 ng	712527	Napthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	86
2		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72
3		Dodecane, 6-methyl-	184	C13H28	006044-71-9	72
4		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
5		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
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 Sample : K1102-03 5X
 Misc :
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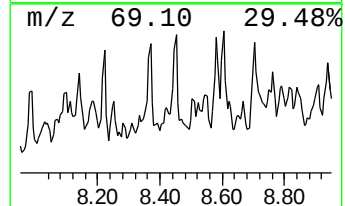
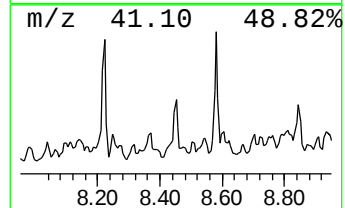
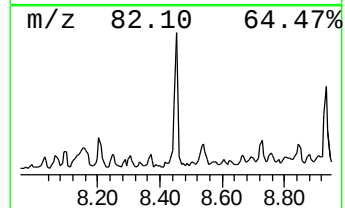
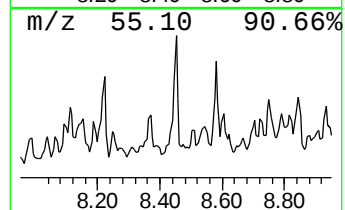
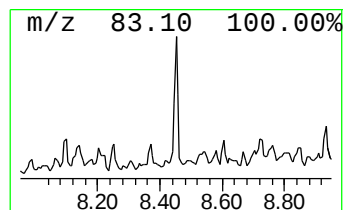
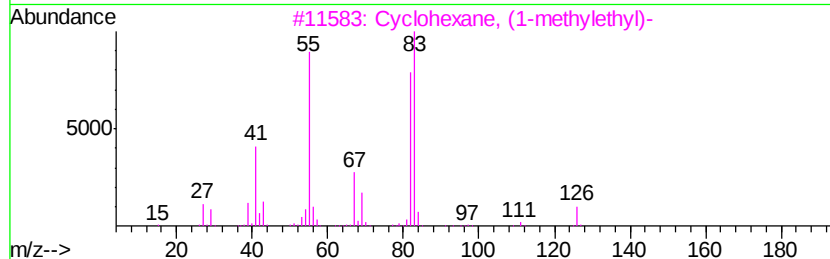
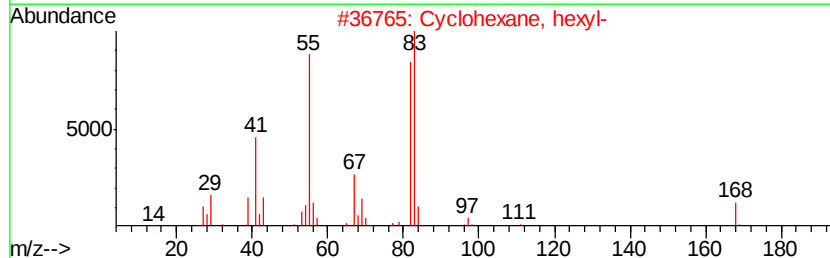
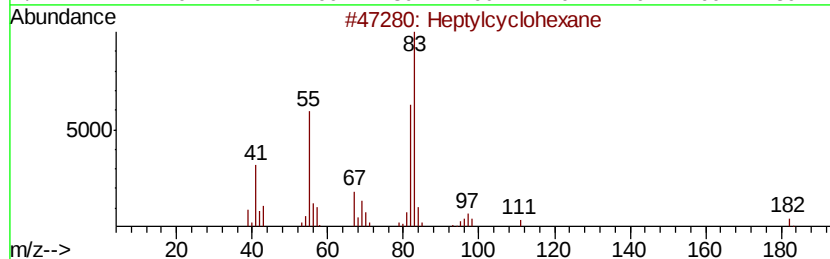
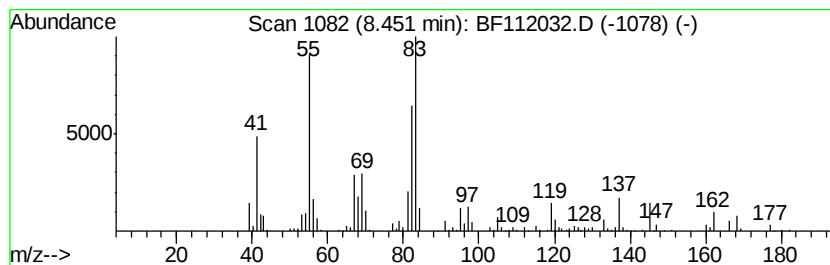
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 9 Heptylcyclohexane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.45	15.00 ng	347568	Napthalene-d8	8.16	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	68
2	Cyclohexane, hexyl-	168	C12H24	004292-75-5	58
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58
4	Cyclohexane, 1,1'-(1,4-butanediyl)-	222	C16H30	006165-44-2	53
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
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Misc :
ALS Vial : 25 Sample Multiplier: 1

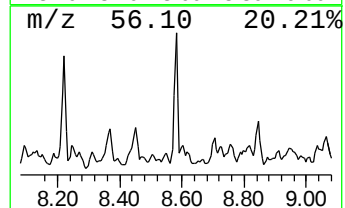
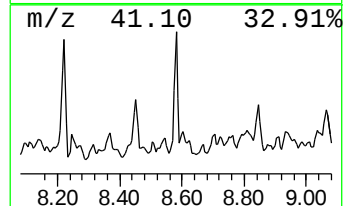
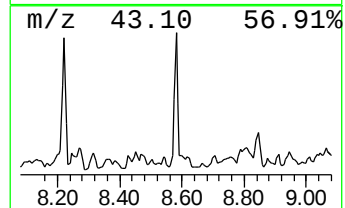
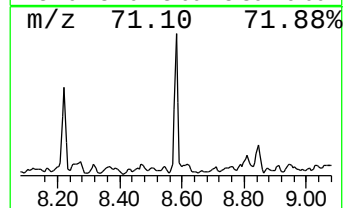
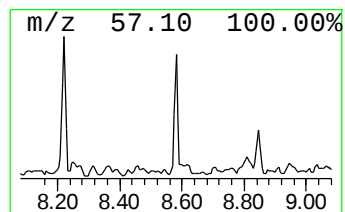
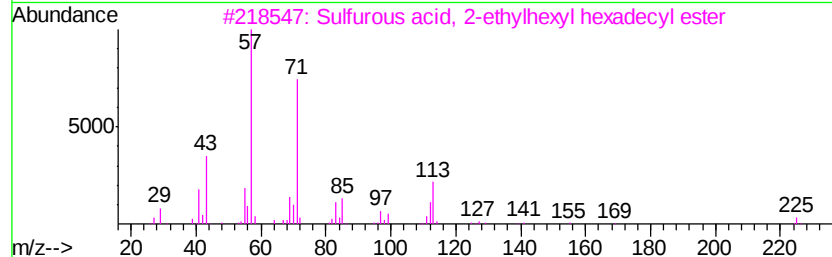
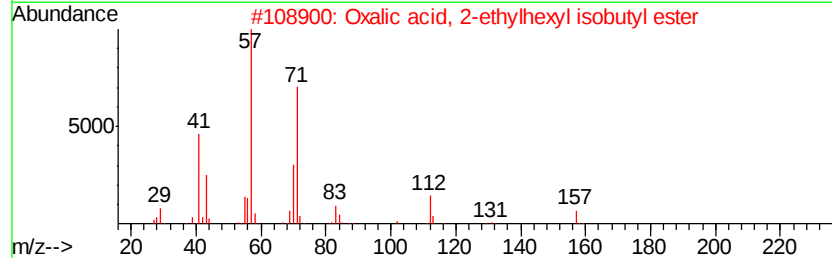
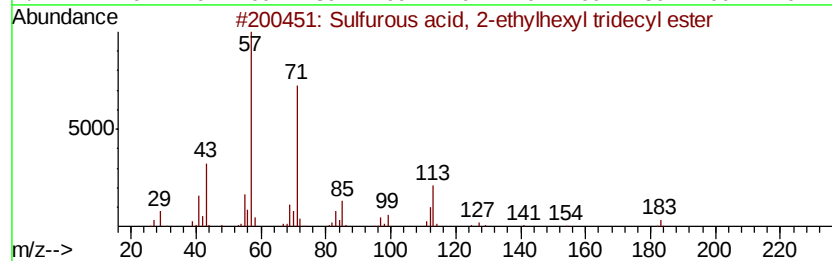
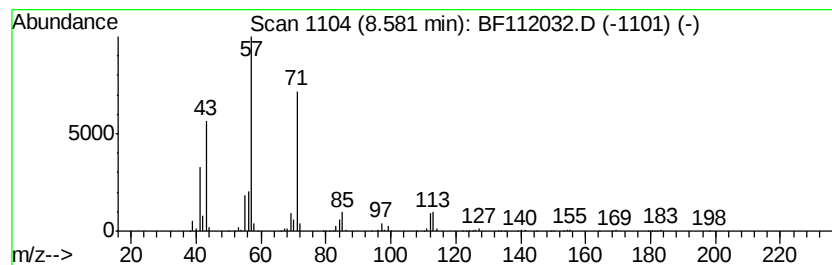
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Sulfurous acid, 2-ethylhexy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.58	24.53 ng	568473	Napthalene-d8	8.16		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	72
2		Oxalic acid, 2-ethylhexyl isobut...	258	C14H26O4	1000309-38-5	64
3		Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	59
4		Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	59
5		Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112032.D
Acq On : 11 Jan 2019 22:55
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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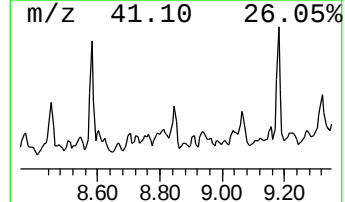
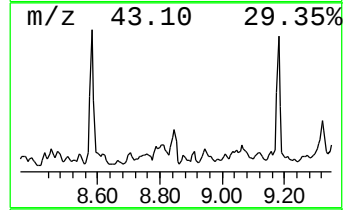
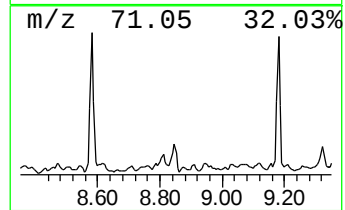
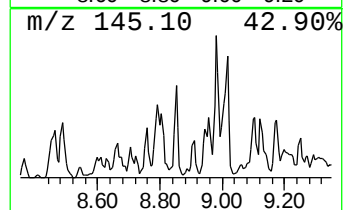
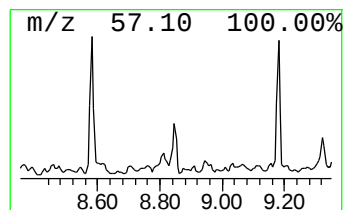
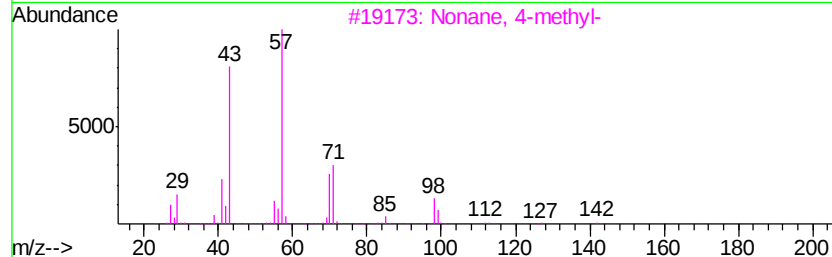
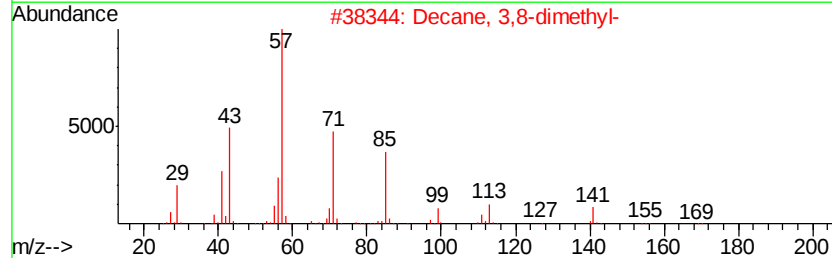
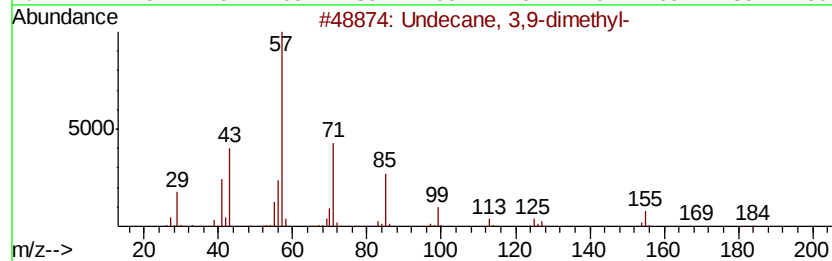
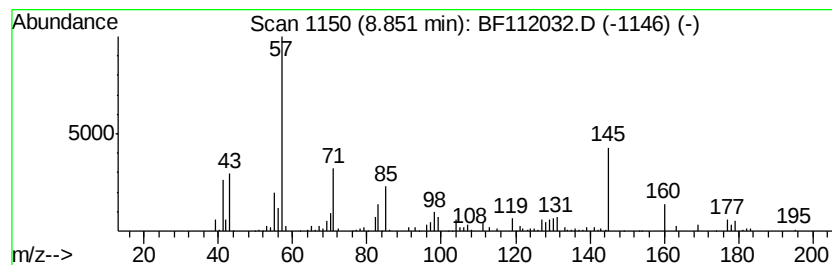
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown8.85 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	15.47 ng	358424	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	47
2		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	47
3		Nonane, 4-methyl-	142	C10H22	017301-94-9	43
4		Tridecane	184	C13H28	000629-50-5	43
5		Hexadecane	226	C16H34	000544-76-3	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112032.D
Acq On : 11 Jan 2019 22:55
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

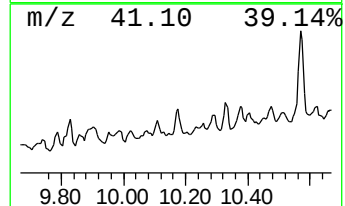
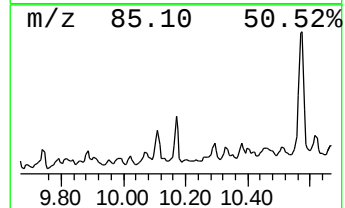
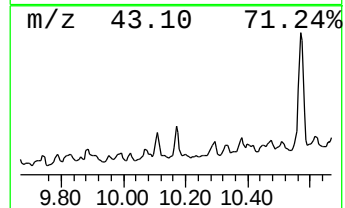
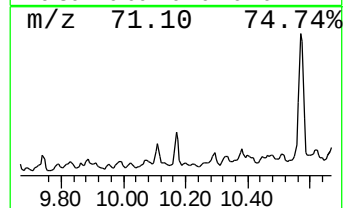
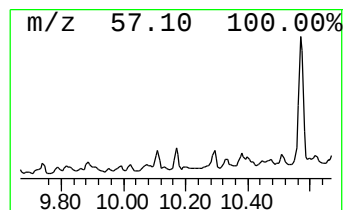
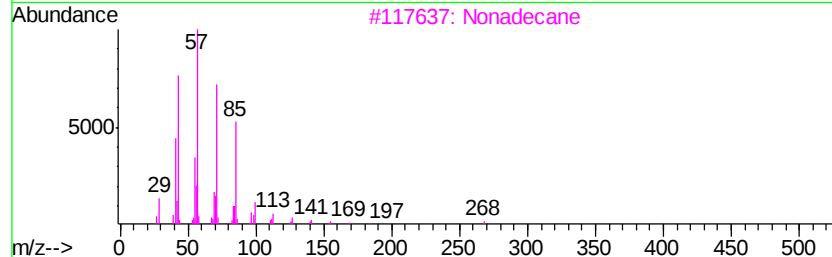
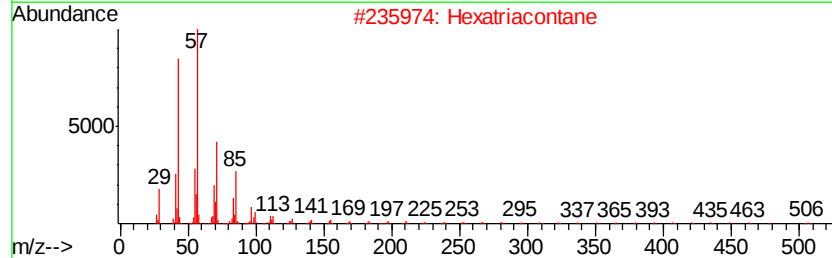
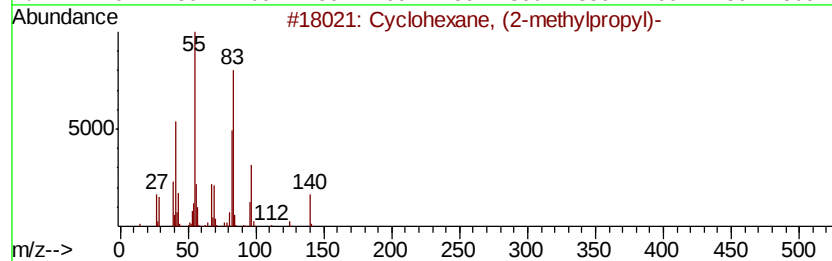
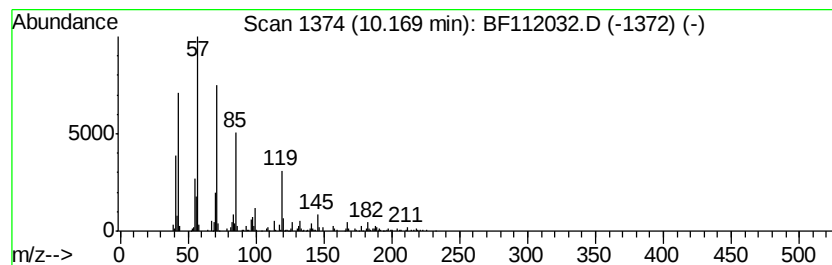
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ClientSampleId :
CPSB-02(15-20)

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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 unknown10.17 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	14.47 ng	669339	Acenaphthene-d10	9.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, (2-methylpropyl)-	140 C10H20	001678-98-4 38
2		Hexatriacontane	507 C36H74	000630-06-8 35
3		Nonadecane	268 C19H40	000629-92-5 30
4		Cyclohexane, octyl-	196 C14H28	001795-15-9 25
5		Cyclododecyl methyl ether	198 C13H26O	002986-54-1 25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112032.D
Acq On : 11 Jan 2019 22:55
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

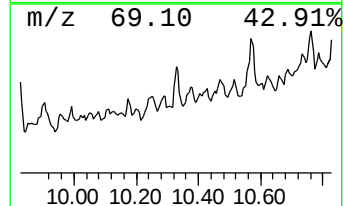
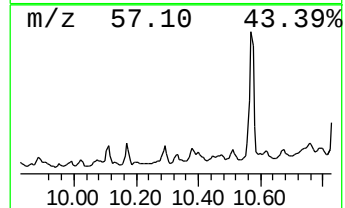
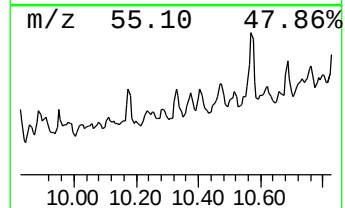
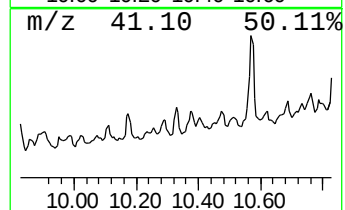
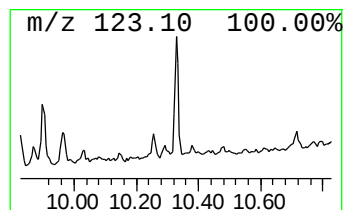
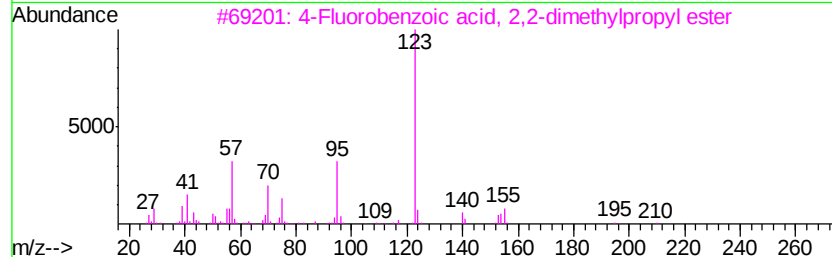
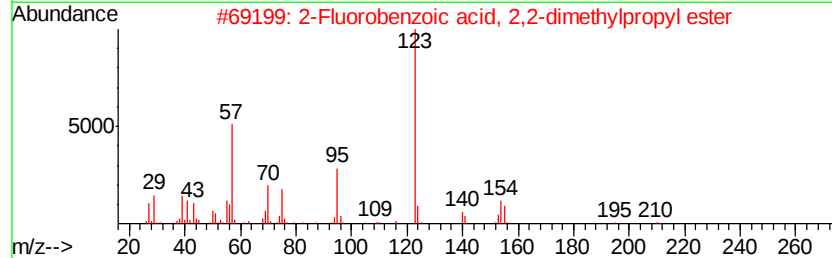
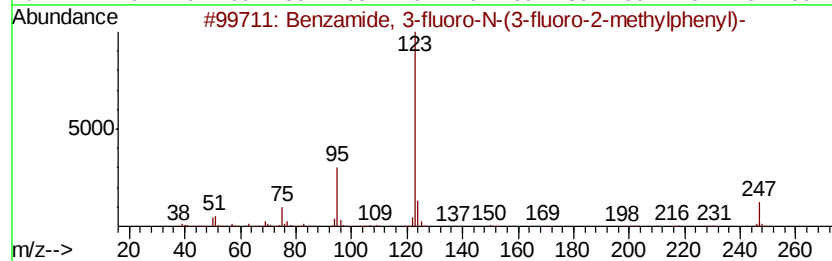
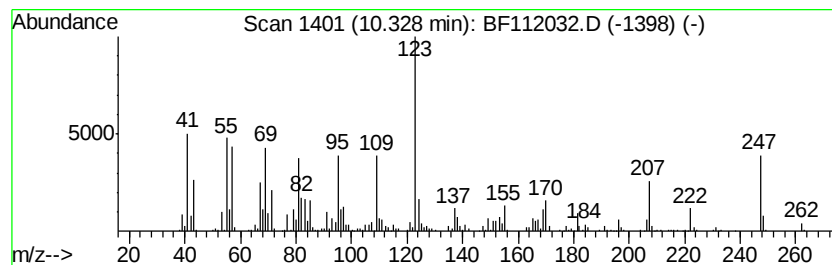
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ClientSampleId :
CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown10.33 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.33	14.95 ng	691350	Acenaphthene-d10	9.92		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzamide, 3-fluoro-N-(3-fluoro-...	247	C14H11F2NO	1000311-20-9	43
2		2-Fluorobenzoic acid, 2,2-dimeth...	210	C12H15F02	1000278-97-0	42
3		4-Fluorobenzoic acid, 2,2-dimeth...	210	C12H15F02	069912-03-4	38
4		4-Fluorobenzoic acid, 3-pentadec...	350	C22H35F02	1000280-68-4	38
5		2-Pyrimidinamine, 4,6-dimethyl-	123	C6H9N3	000767-15-7	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
 Data File : BF112032.D
 Acq On : 11 Jan 2019 22:55
 Operator : JU/SJ
 Sample : K1102-03 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-02(15-20)

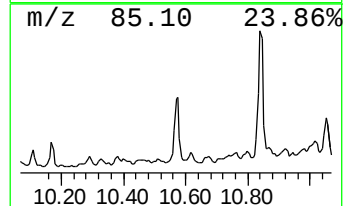
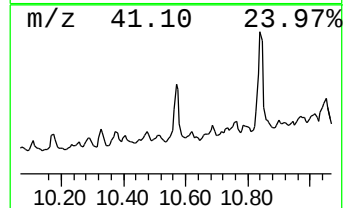
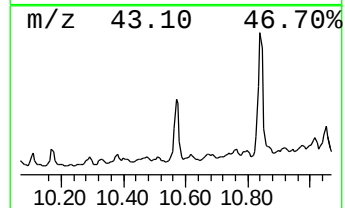
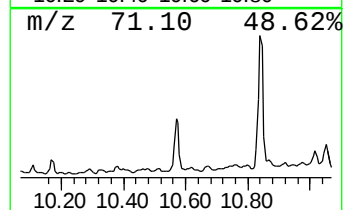
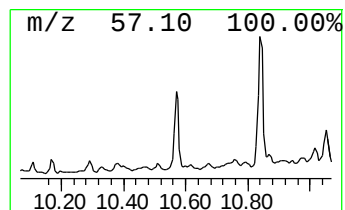
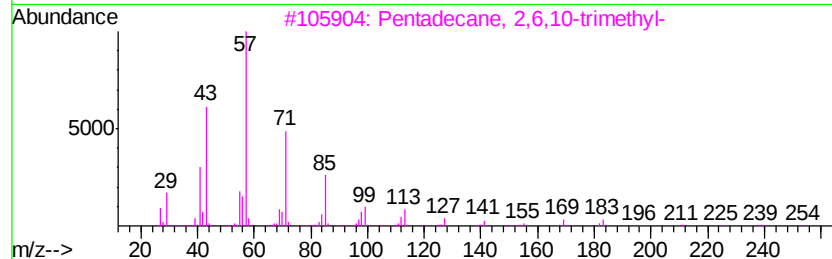
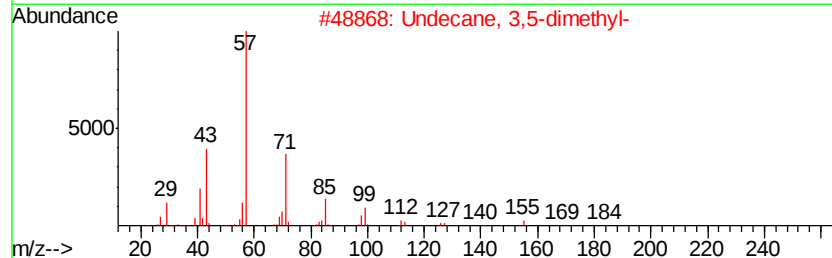
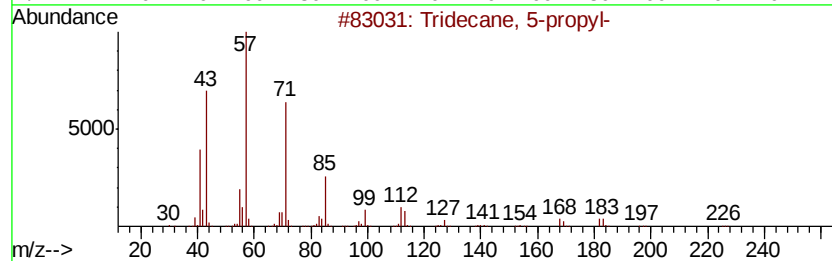
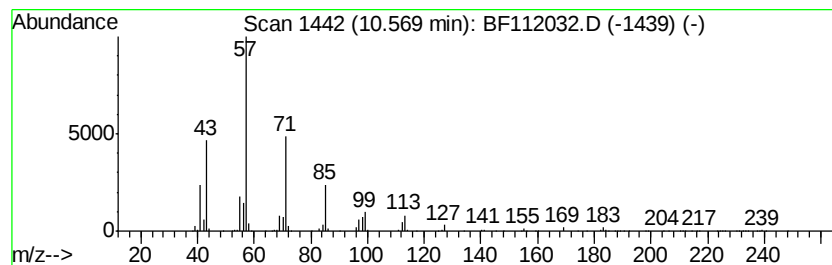
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 14 Tridecane, 5-propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	31.23 ng	1444450	Acenaphthene-d10	9.92

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane, 5-propyl-	226	C16H34	055045-11-9	87
2		Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	87
3		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	83
4		2-Bromo dodecane	248	C12H25Br	013187-99-0	81
5		Heneicosane	296	C21H44	000629-94-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112032.D
Acq On : 11 Jan 2019 22:55
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

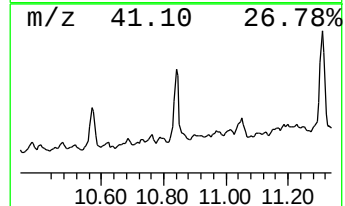
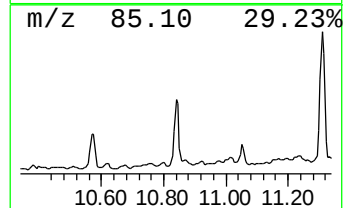
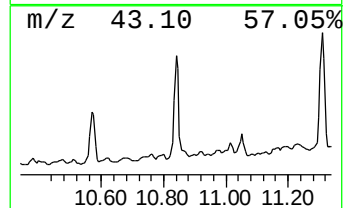
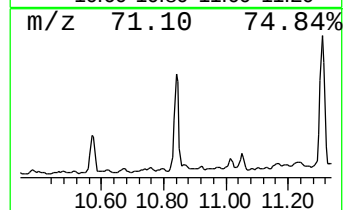
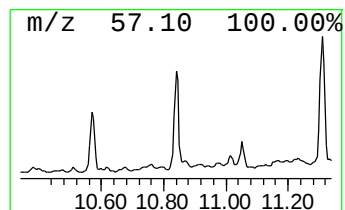
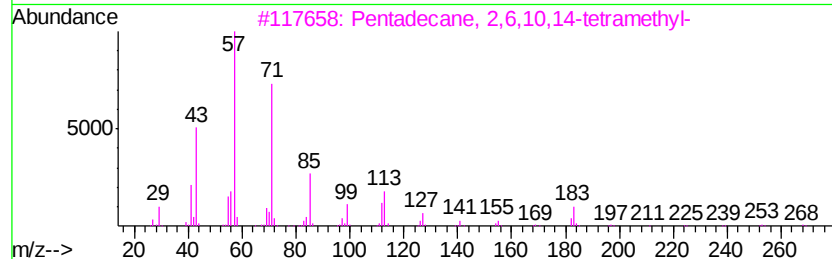
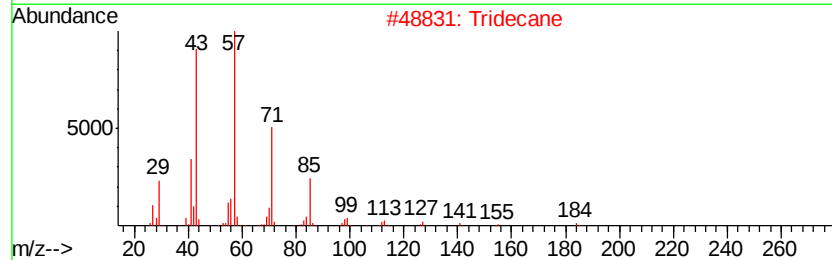
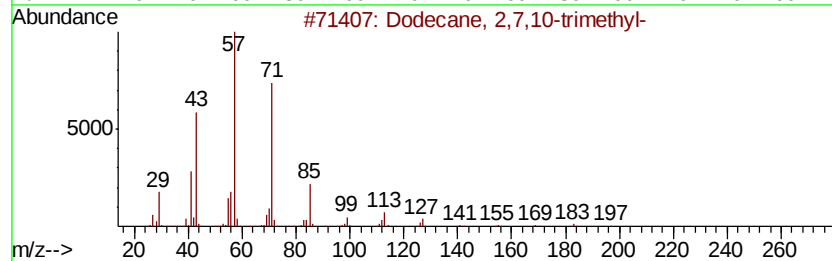
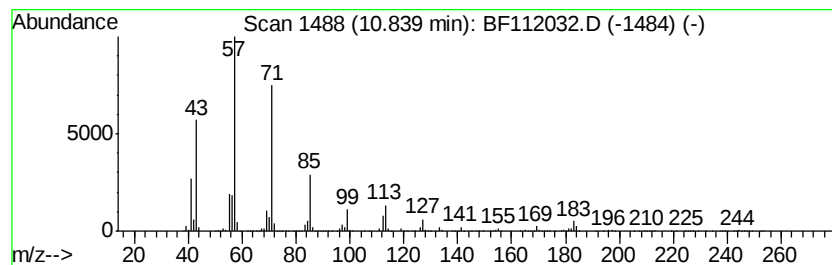
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Dodecane, 2,7,10-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	71.73 ng	3325220	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
2		Tridecane	184	C13H28	000629-50-5	80
3		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	78
4		Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	74
5		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112032.D
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Sample : K1102-03 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

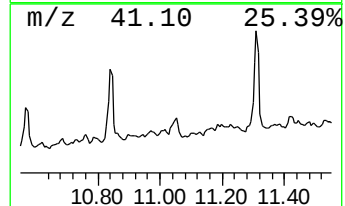
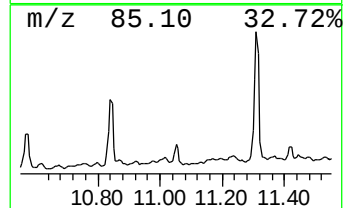
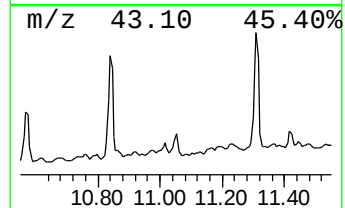
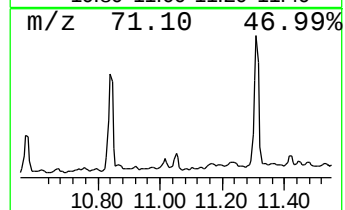
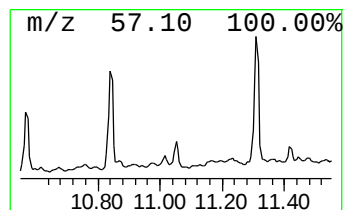
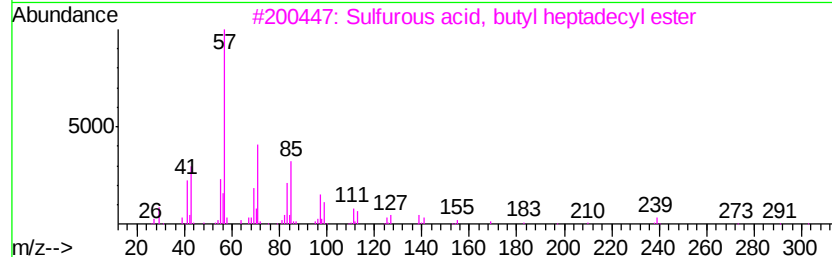
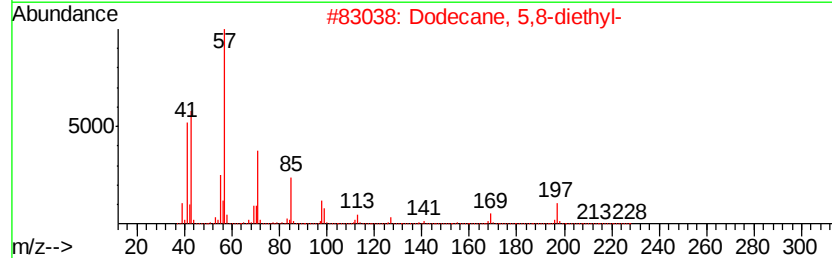
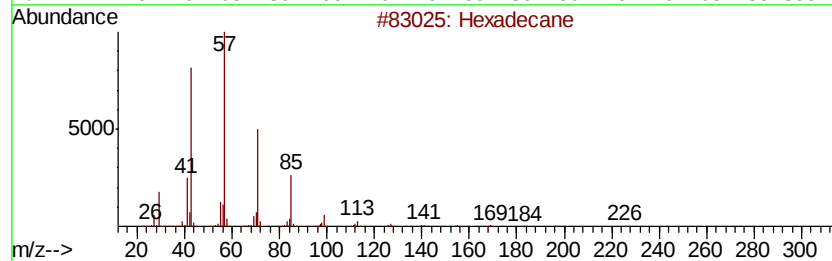
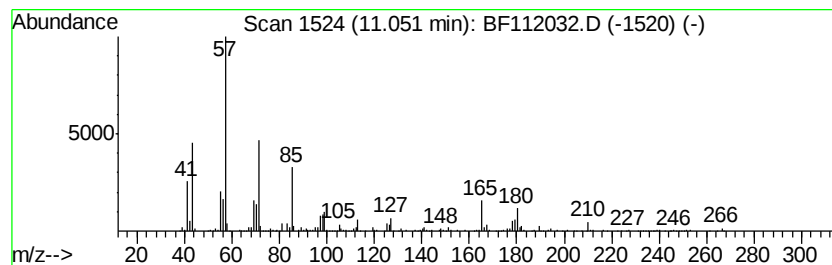
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ClientSampleId :
CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	21.64 ng	1003100	Phenanthrene-d10	11.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane		226 C16H34	000544-76-3 62
2	Dodecane, 5,8-diethyl-		226 C16H34	024251-86-3 62
3	Sulfurous acid, butyl heptadecyl...		376 C21H44O3S	1000309-18-4 53
4	Octadecane		254 C18H38	000593-45-3 53
5	Sulfurous acid, butyl tridecyl e...		320 C17H36O3S	1000309-18-0 53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112032.D
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Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

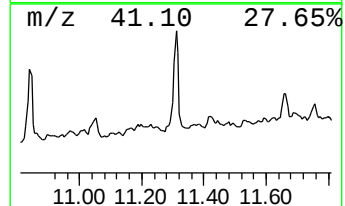
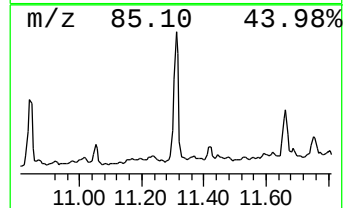
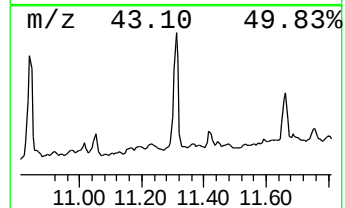
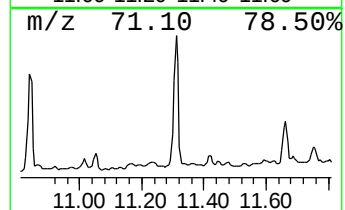
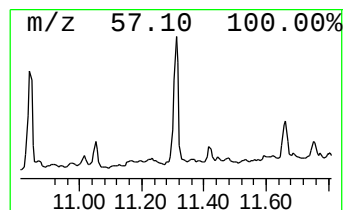
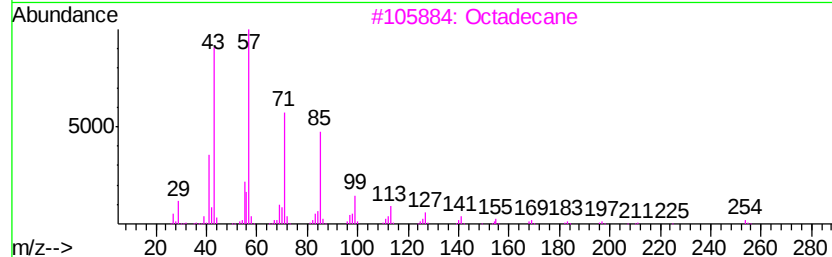
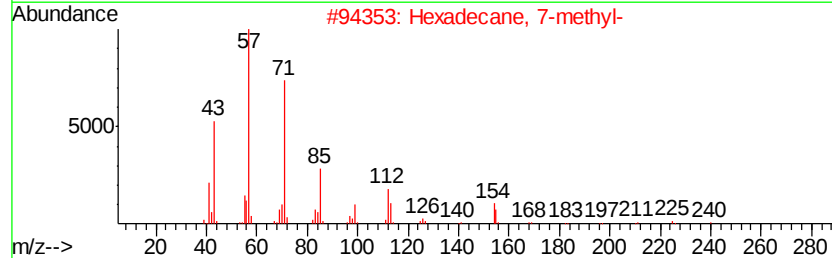
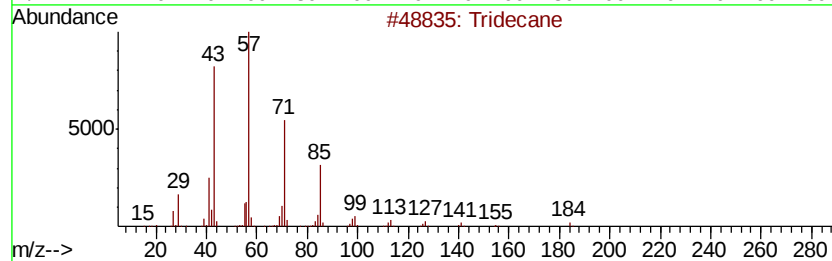
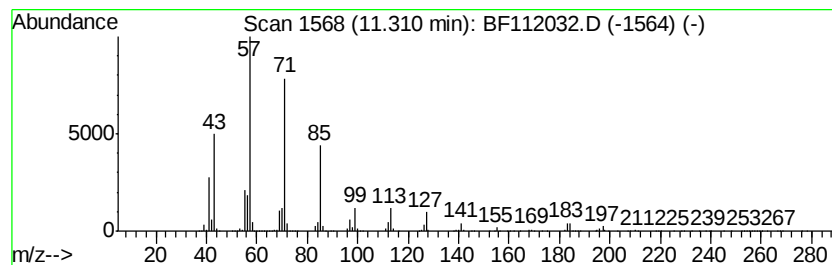
Instrument :
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ClientSampleId :
CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Tridecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.31	89.73 ng	4159940	Phenanthrene-d10		11.41
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	87
3	Octadecane	254	C18H38	000593-45-3	86
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
 Data File : BF112032.D
 Acq On : 11 Jan 2019 22:55
 Operator : JU/SJ
 Sample : K1102-03 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-02(15-20)

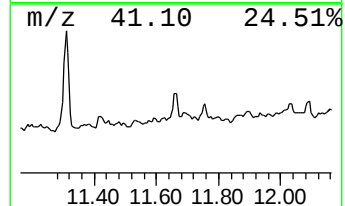
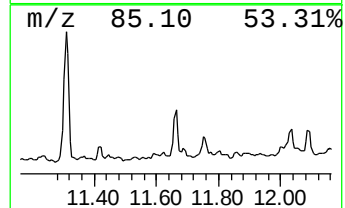
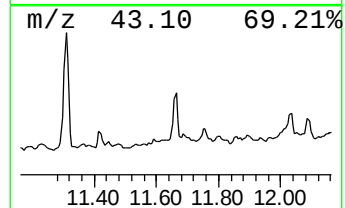
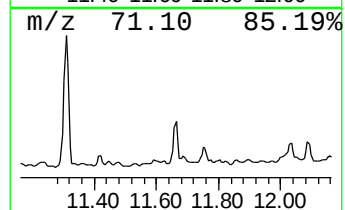
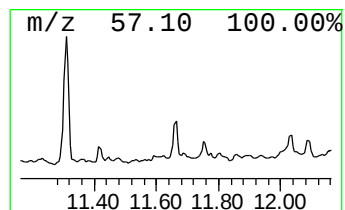
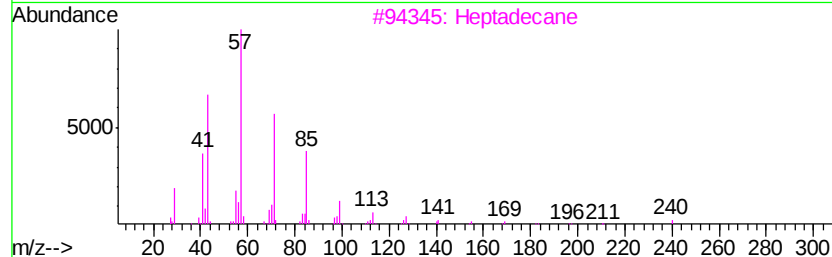
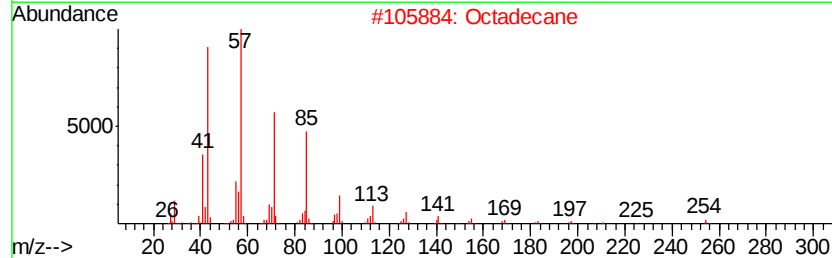
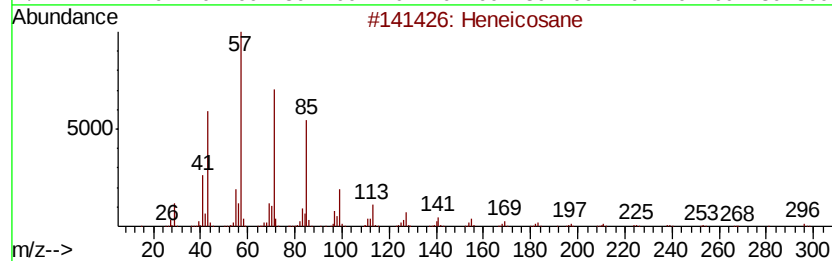
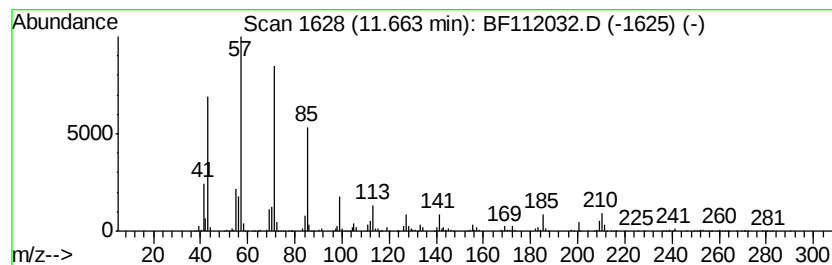
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 18 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	27.90 ng	1293630	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	83
2		Octadecane	254	C18H38	000593-45-3	80
3		Heptadecane	240	C17H36	000629-78-7	80
4		Hexadecane	226	C16H34	000544-76-3	80
5		Hentriacontane	437	C31H64	000630-04-6	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112032.D
Acq On : 11 Jan 2019 22:55
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

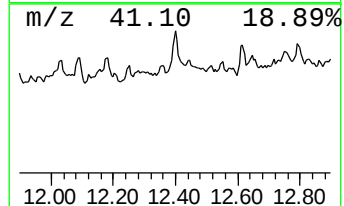
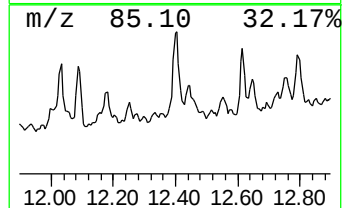
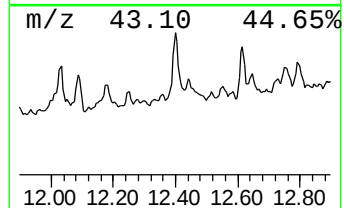
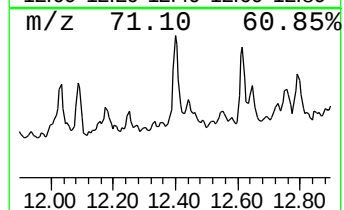
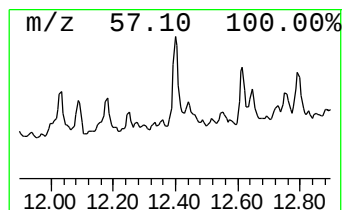
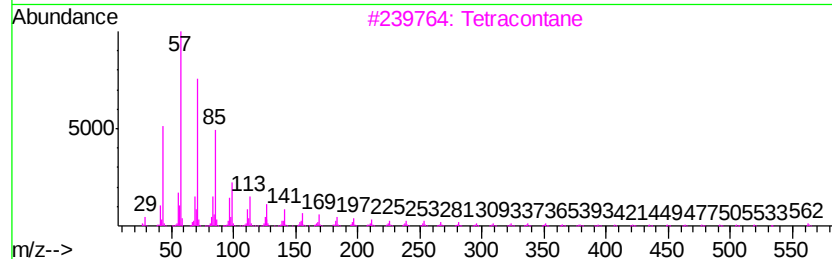
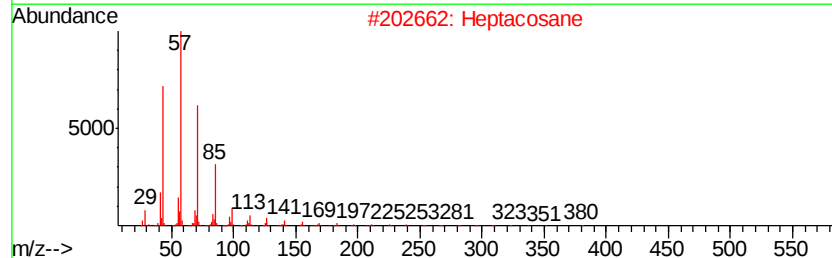
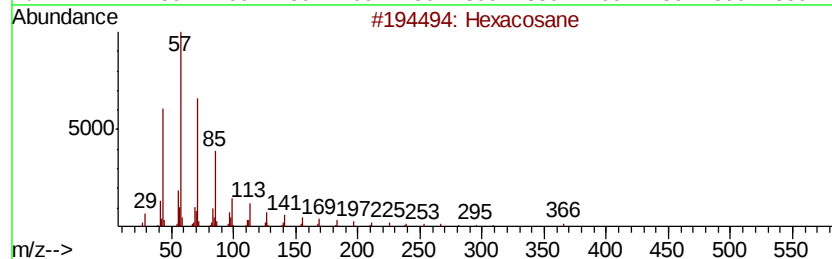
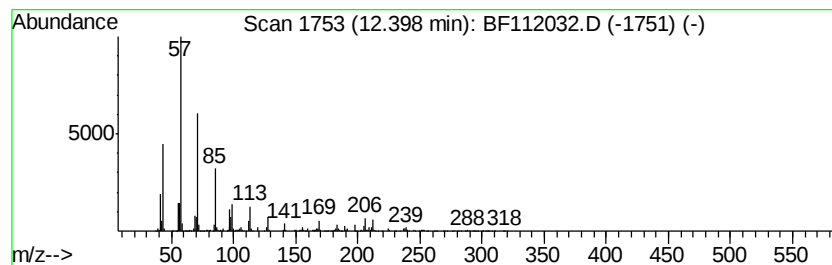
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hexacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	28.06 ng	1300860	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	80
2		Heptacosane	380	C27H56	000593-49-7	72
3		Tetracontane	563	C40H82	004181-95-7	72
4		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	72
5		Tridecane	184	C13H28	000629-50-5	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
 Data File : BF112032.D
 Acq On : 11 Jan 2019 22:55
 Operator : JU/SJ
 Sample : K1102-03 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

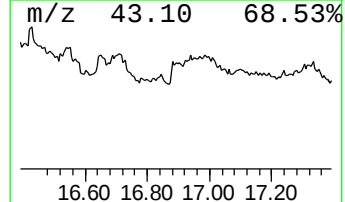
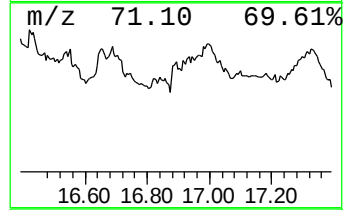
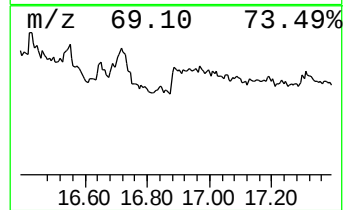
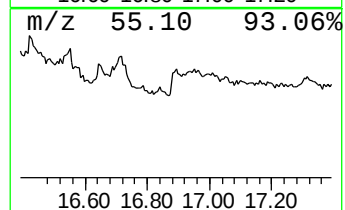
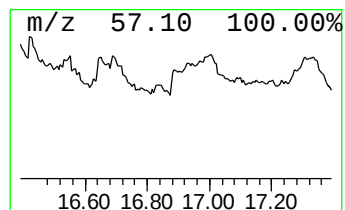
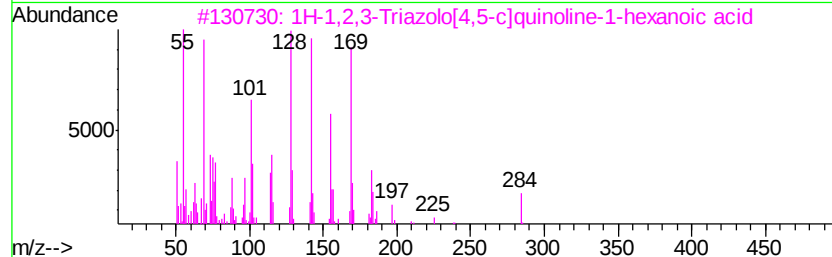
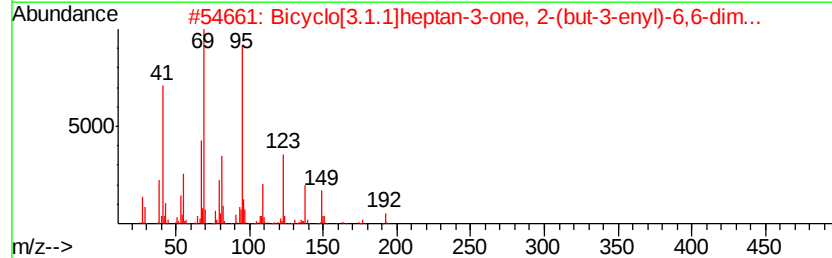
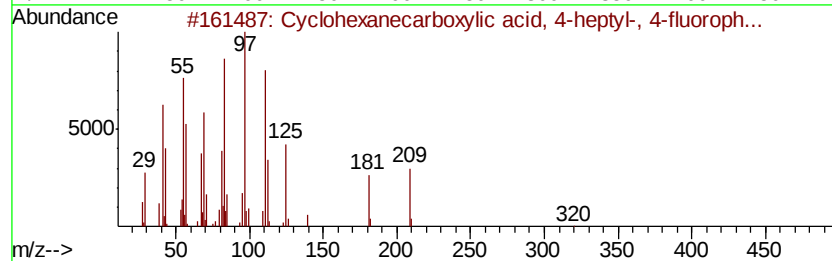
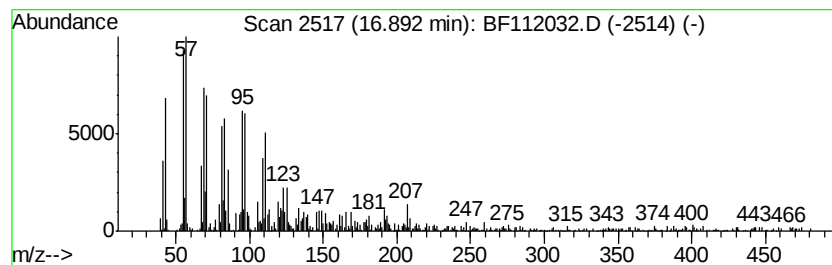
Instrument :
 BNA_F
 ClientSampleId :
 CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 20 Cyclohexanecarboxylic acid,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.89	20.00 ng	718717	Perylene-d12	15.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexanecarboxylic acid, 4-he...	320	C20H29FO2	079912-85-9	64
2		Bicyclo[3.1.1]heptan-3-one, 2-(b...	192	C13H20O	1000163-96-1	59
3		1H-1,2,3-Triazolo[4,5-c]quinolin...	284	C15H16N4O2	052799-13-0	59
4		Z-14-Nonacosane	406	C29H58	1000131-18-9	45
5		5-Eicosene, (E)-	280	C20H40	074685-30-6	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011119\
 Data File : BF112032.D
 Acq On : 11 Jan 2019 22:55
 Operator : JU/SJ
 Sample : K1102-03 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.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
Sulfurous acid, b...	6.13	18.0	ng	176666	1	6.87	196677	20.0
unknown6.65	6.65	52.3	ng	514584	1	6.87	196677	20.0
Heptane, 4-ethyl-	7.15	20.6	ng	202938	1	6.87	196677	20.0
Naphthalene, deca...	7.27	20.3	ng	199474	1	6.87	196677	20.0
unknown7.52	7.52	13.7	ng	318413	2	8.16	463525	20.0
Decane, 2,9-dimet...	7.59	15.1	ng	350445	2	8.16	463525	20.0
Undecane, 2,6-dim...	8.22	30.7	ng	712527	2	8.16	463525	20.0
Heptylcyclohexane	8.45	15.0	ng	347568	2	8.16	463525	20.0
Sulfurous acid, 2...	8.58	24.5	ng	568473	2	8.16	463525	20.0
unknown8.85	8.85	15.5	ng	358424	2	8.16	463525	20.0
unknown10.17	10.17	14.5	ng	669339	3	9.92	925055	20.0
unknown10.33	10.33	14.9	ng	691350	3	9.92	925055	20.0
Tridecane, 5-propyl-	10.57	31.2	ng	1444450	3	9.92	925055	20.0
Dodecane, 2,7,10-...	10.84	71.7	ng	3325220	4	11.41	927178	20.0
Hexadecane	11.05	21.6	ng	1003100	4	11.41	927178	20.0
Tridecane	11.31	89.7	ng	4159940	4	11.41	927178	20.0
Heneicosane	11.66	27.9	ng	1293630	4	11.41	927178	20.0
Hexacosane	12.40	28.1	ng	1300860	4	11.41	927178	20.0
Cyclohexanecarbox...	16.89	20.0	ng	718717	6	15.56	718717	20.0