

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081219\
 Data File : BF116214.D
 Acq On : 13 Aug 2019 2:50
 Operator : HP/JU
 Sample : K4085-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-080919-C

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-BF073019.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	5.457	570	573	590	rBV	1312719	1619619	51.02%	2.757%
2	6.087	677	680	686	rVB3	123272	164805	5.19%	0.281%
3	6.275	706	712	715	rBV	109711	131206	4.13%	0.223%
4	6.363	724	727	730	rBV	211647	216420	6.82%	0.368%
5	6.422	735	737	742	rBV2	112674	138200	4.35%	0.235%
6	6.469	742	745	755	rVV	1654061	1819543	57.32%	3.098%
7	6.575	759	763	765	rBV2	134640	173956	5.48%	0.296%
8	6.604	765	768	775	rVB	1991675	1936612	61.01%	3.297%
9	6.669	775	779	782	rBV	717149	639066	20.13%	1.088%
10	6.775	790	797	799	rBV4	65105	130410	4.11%	0.222%
11	6.834	803	807	814	rVB2	873833	1084658	34.17%	1.846%
12	6.892	814	817	820	rVB	228642	206785	6.51%	0.352%
13	6.992	829	834	837	rBV2	1535883	1736770	54.71%	2.957%
14	7.110	851	854	857	rVB	441313	386152	12.16%	0.657%
15	7.139	857	859	863	rBV2	277596	338720	10.67%	0.577%
16	7.175	863	865	870	rVB2	305377	275296	8.67%	0.469%
17	7.222	870	873	877	rBV2	550005	601514	18.95%	1.024%
18	7.257	877	879	884	rVB4	112614	140997	4.44%	0.240%
19	7.369	893	898	900	rBV2	455986	566093	17.83%	0.964%
20	7.398	900	903	906	rVV	997795	1144581	36.06%	1.948%
21	7.434	906	909	912	rVB	1626299	1509177	47.54%	2.569%
22	7.481	912	917	920	rVB4	450230	630272	19.85%	1.073%
23	7.522	920	924	925	rBV2	233264	315179	9.93%	0.537%
24	7.545	925	928	930	rVB3	179639	185918	5.86%	0.316%
25	7.610	937	939	941	rVV2	207142	209199	6.59%	0.356%
26	7.639	941	944	947	rVB3	495014	514849	16.22%	0.876%
27	7.734	953	960	962	rBV3	468413	726394	22.88%	1.237%
28	7.757	962	964	968	rVB4	345213	379508	11.95%	0.646%
29	7.798	968	971	974	rVB3	427425	442252	13.93%	0.753%
30	7.833	974	977	979	rBV2	500827	470719	14.83%	0.801%
31	7.863	979	982	987	rVB4	561916	802477	25.28%	1.366%
32	7.910	987	990	992	rBV	376904	329332	10.37%	0.561%
33	7.933	992	994	996	rVV2	265617	244243	7.69%	0.416%
34	7.951	996	997	1000	rVB	327115	211926	6.68%	0.361%

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35	7.981	1000	1002	1006	rBV3	233815	291788	9.19%	0.497%
36	8.022	1006	1009	1012	rBV	179657	171801	5.41%	0.292%
37	8.069	1012	1017	1019	rBV4	300538	492472	15.51%	0.838%
38	8.098	1019	1022	1028	rVV2	2385582	3174480	100.00%	5.404%
39	8.175	1031	1035	1038	rVB2	1046678	1151785	36.28%	1.961%
40	8.204	1038	1040	1043	rBV3	397934	388969	12.25%	0.662%
41	8.269	1047	1051	1053	rBV3	253052	304870	9.60%	0.519%
42	8.310	1056	1058	1062	rVB2	367968	444779	14.01%	0.757%
43	8.404	1069	1074	1081	rBV6	788813	1177876	37.10%	2.005%
44	8.463	1081	1084	1086	rBV3	513354	470262	14.81%	0.801%
45	8.492	1086	1089	1093	rBV3	634500	644338	20.30%	1.097%
46	8.539	1093	1097	1099	rBV	1047789	1087501	34.26%	1.851%
47	8.557	1099	1100	1102	rVB	322103	158230	4.98%	0.269%
48	8.581	1102	1104	1106	rVB2	317270	251267	7.92%	0.428%
49	8.616	1107	1110	1113	rBV2	646453	594011	18.71%	1.011%
50	8.657	1113	1117	1119	rBV4	258453	301985	9.51%	0.514%
51	8.710	1122	1126	1129	rBV	2338372	2188193	68.93%	3.725%
52	8.745	1129	1132	1134	rBV4	144590	165413	5.21%	0.282%
53	8.775	1134	1137	1139	rVV3	324196	320274	10.09%	0.545%
54	8.804	1139	1142	1145	rVB2	564344	652343	20.55%	1.111%
55	8.863	1150	1152	1154	rBV3	202236	180977	5.70%	0.308%
56	8.904	1154	1159	1160	rBV3	145540	238247	7.51%	0.406%
57	8.939	1162	1165	1167	rVB	418190	327085	10.30%	0.557%
58	8.992	1171	1174	1175	rBV3	300829	297056	9.36%	0.506%
59	9.069	1183	1187	1191	rVB3	552197	745693	23.49%	1.269%
60	9.110	1191	1194	1196	rVV2	499645	393312	12.39%	0.670%
61	9.133	1196	1198	1204	rVV2	914292	1081571	34.07%	1.841%
62	9.186	1204	1207	1212	rVV	2102320	2014005	63.44%	3.429%
63	9.228	1212	1214	1217	rVB	178626	149134	4.70%	0.254%
64	9.275	1218	1222	1226	rVV	1938593	2076768	65.42%	3.535%
65	9.316	1226	1229	1231	rVV3	303392	446902	14.08%	0.761%
66	9.339	1231	1233	1236	rVV2	491325	528377	16.64%	0.899%
67	9.386	1239	1241	1245	rVB3	172047	146424	4.61%	0.249%
68	9.463	1252	1254	1256	rVB3	157502	125515	3.95%	0.214%
69	9.510	1259	1262	1263	rVV2	201956	242700	7.65%	0.413%
70	9.527	1263	1265	1267	rVV2	397501	397485	12.52%	0.677%
71	9.545	1267	1268	1271	rVV3	363829	302582	9.53%	0.515%

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72	9.592	1271	1276	1278	rVV2	1008616	1347754	42.46%	2.294%
73	9.616	1278	1280	1283	rVV2	449529	455998	14.36%	0.776%
74	9.651	1283	1286	1288	rVB	421813	341667	10.76%	0.582%
75	9.686	1288	1292	1295	rVB5	183891	275996	8.69%	0.470%
76	9.739	1299	1301	1304	rVB3	127011	115473	3.64%	0.197%
77	9.798	1308	1311	1315	rVB	1374219	1095568	34.51%	1.865%
78	9.839	1315	1318	1319	rBV2	156230	131232	4.13%	0.223%
79	9.869	1320	1323	1328	rVB	1220607	1107376	34.88%	1.885%
80	9.975	1338	1341	1346	rVB5	124171	148748	4.69%	0.253%
81	10.027	1347	1350	1353	rBV3	158434	221954	6.99%	0.378%
82	10.122	1362	1366	1370	rVV5	240305	356493	11.23%	0.607%
83	10.192	1374	1378	1381	rBV3	129541	172625	5.44%	0.294%
84	10.298	1390	1396	1399	rBV	762750	708120	22.31%	1.205%
85	10.351	1403	1405	1411	rVB4	96284	128906	4.06%	0.219%
86	10.516	1429	1433	1439	rVB	220590	305660	9.63%	0.520%
87	10.663	1455	1458	1468	rVB	981660	1092494	34.41%	1.860%
88	10.769	1473	1476	1485	rVB	405557	547774	17.26%	0.933%
89	11.216	1549	1552	1555	rBV	228343	196008	6.17%	0.334%
90	11.245	1555	1557	1563	rVB	139618	146686	4.62%	0.250%
91	11.357	1572	1576	1585	rBV	1113919	1083716	34.14%	1.845%
92	11.639	1621	1624	1628	rVB	159983	131125	4.13%	0.223%
93	12.433	1756	1759	1763	rVB	129457	120237	3.79%	0.205%
94	12.804	1819	1822	1829	rVB2	151092	157970	4.98%	0.269%
95	12.933	1841	1844	1848	rBV	1646839	1632558	51.43%	2.779%
96	13.833	1994	1997	2008	rBV4	134637	269722	8.50%	0.459%
97	14.004	2022	2026	2035	rBV	765304	879257	27.70%	1.497%
98	14.145	2047	2050	2053	rBV	136811	135485	4.27%	0.231%
99	15.086	2207	2210	2213	rVB	125036	133204	4.20%	0.227%
100	15.468	2271	2275	2281	rVB	528239	753000	23.72%	1.282%

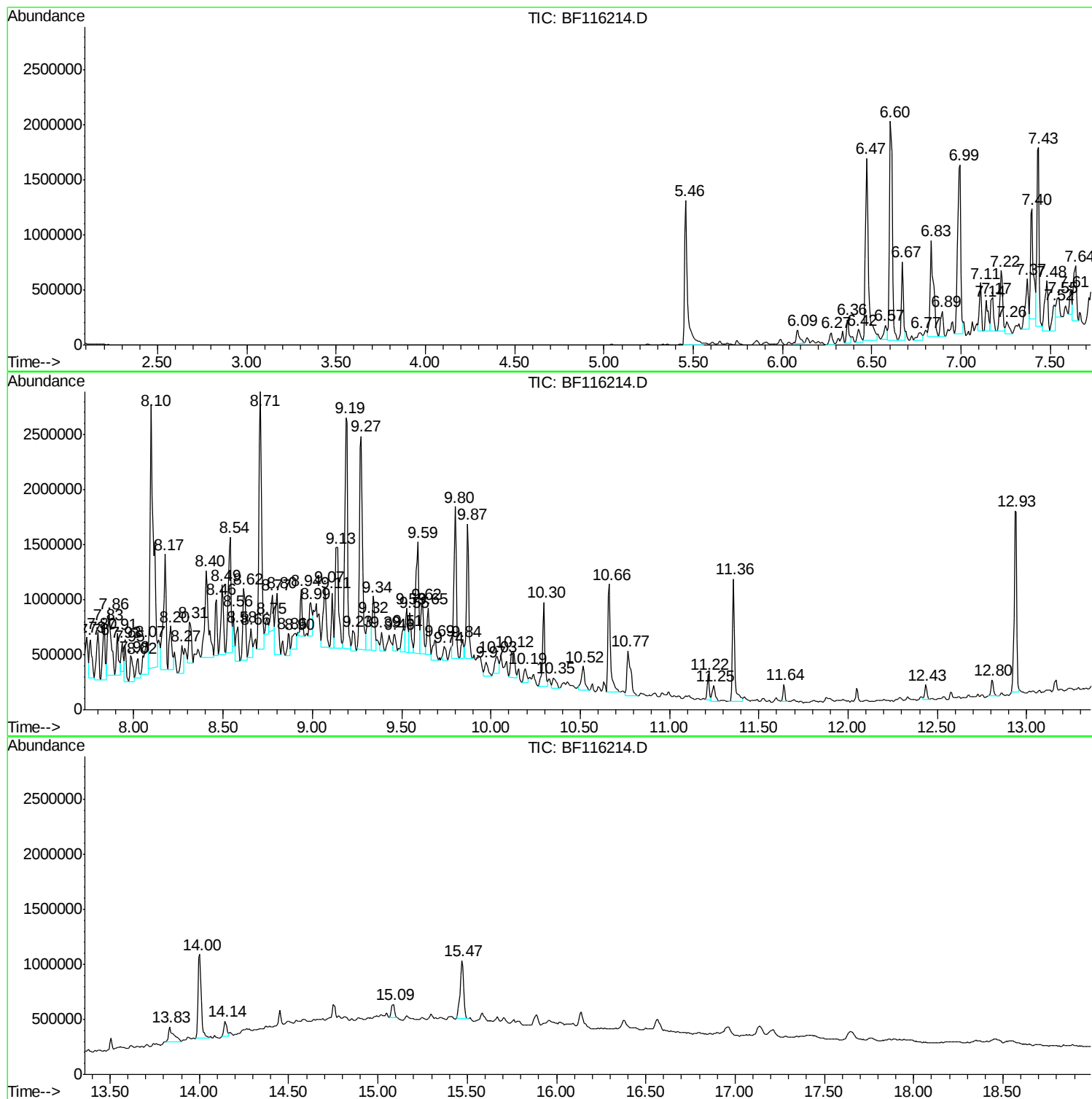
Sum of corrected areas: 58742124

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Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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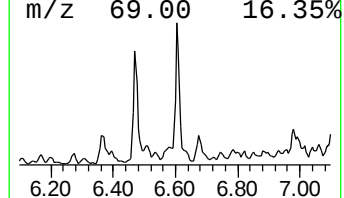
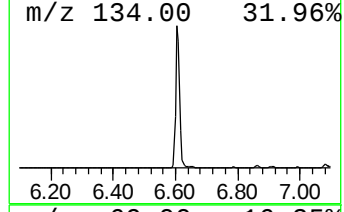
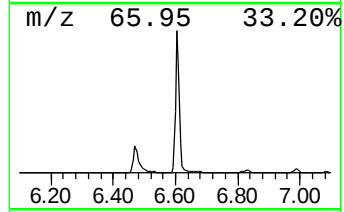
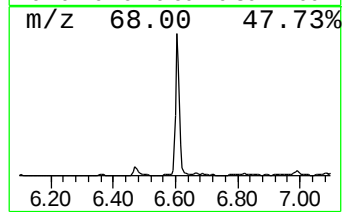
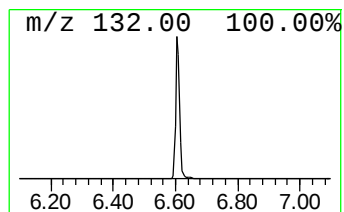
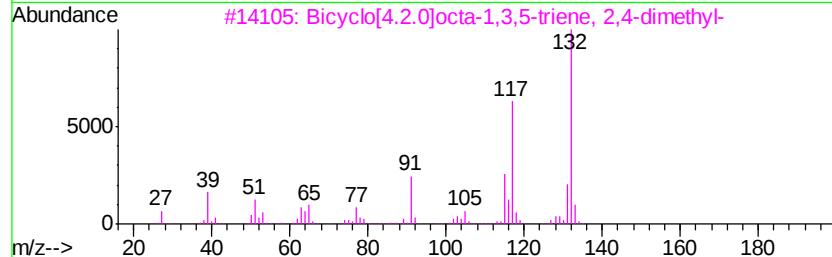
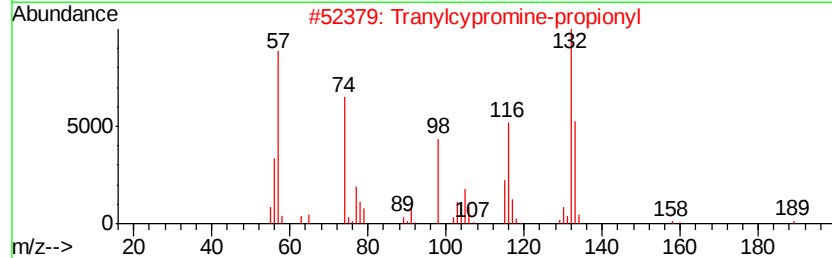
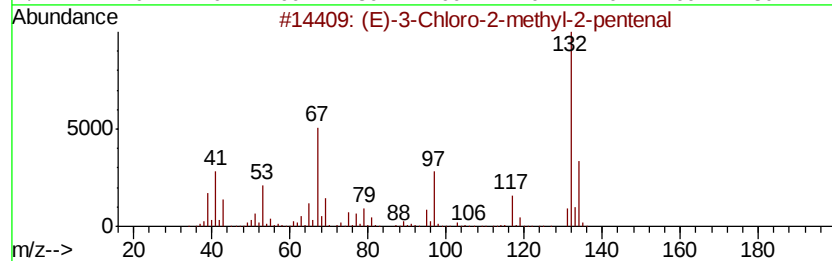
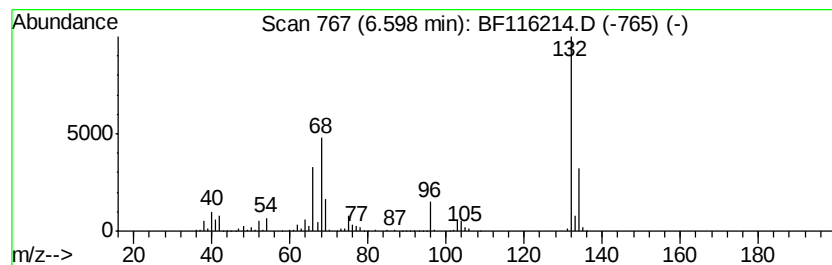
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.60 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	35.71 ng	1936610	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12	
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10	
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9	
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9	
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9	



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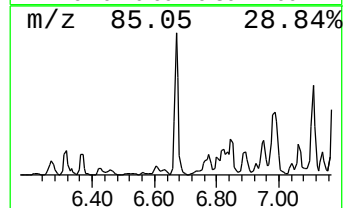
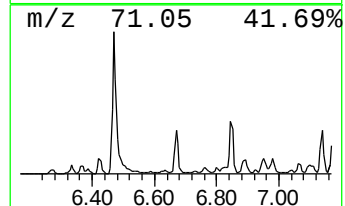
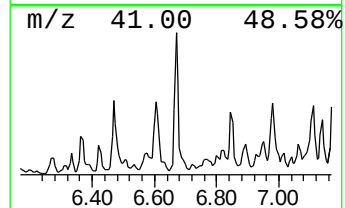
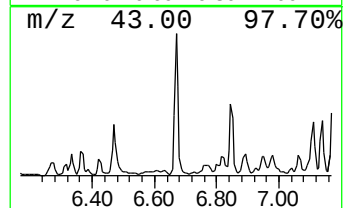
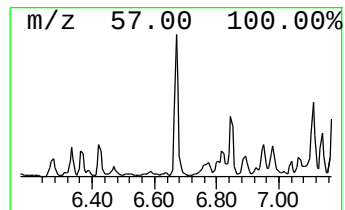
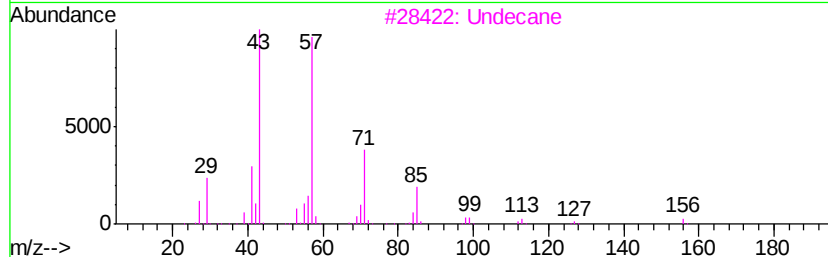
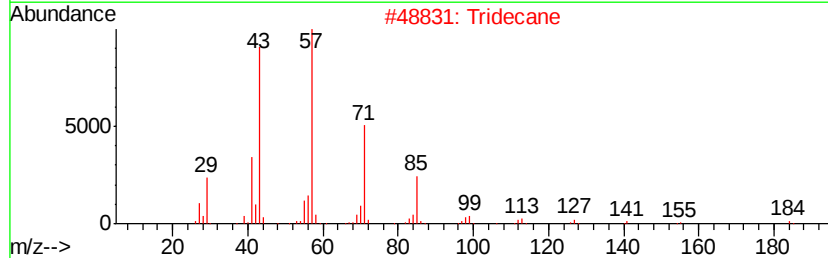
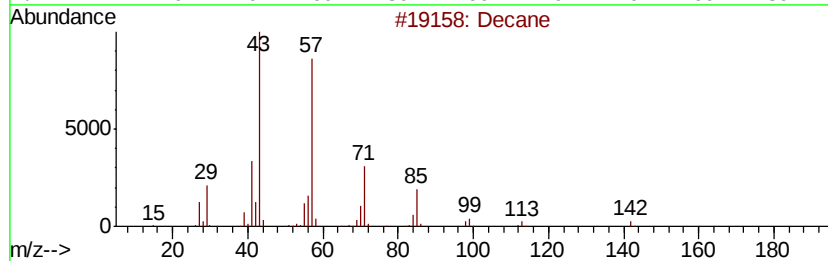
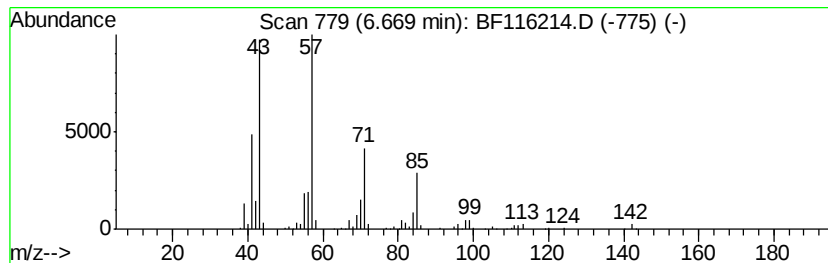
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Peak Number 2 Decane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	11.78 ng	639066	1,4-Dichlorobenzene-d4	6.83

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane		142	C10H22	000124-18-5	81
2	Tridecane		184	C13H28	000629-50-5	72
3	Undecane		156	C11H24	001120-21-4	72
4	Decane, 2,3,6-trimethyl-		184	C13H28	062238-12-4	72
5	Undecane, 4,7-dimethyl-		184	C13H28	017301-32-5	64



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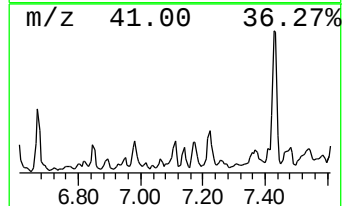
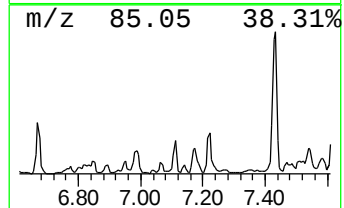
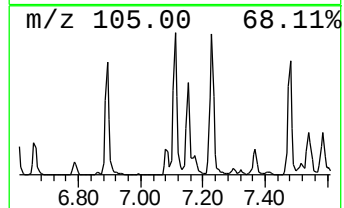
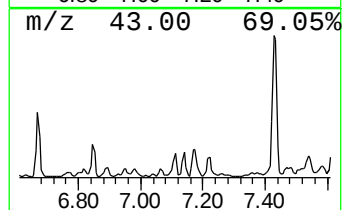
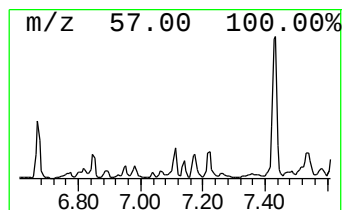
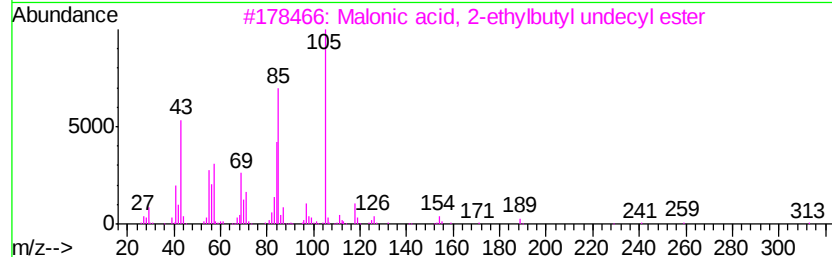
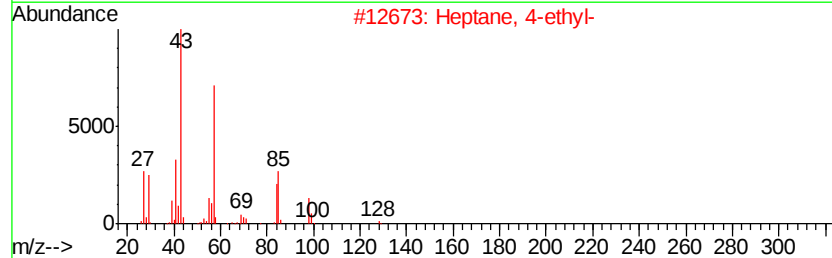
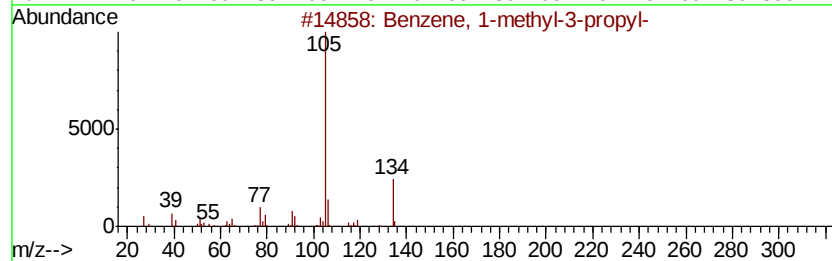
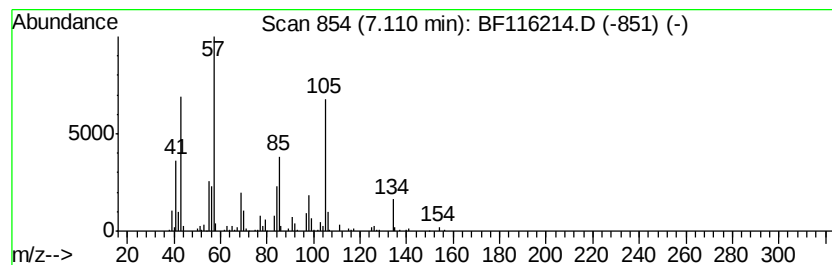
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1-methyl-3-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	7.12 ng	386152	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	53
2		Heptane, 4-ethyl-	128	C9H20	002216-32-2	50
3		Malonic acid, 2-ethylbutyl undec...	342	C20H38O4	1000348-96-2	49
4		Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	43
5		Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116214.D
Acq On : 13 Aug 2019 2:50
Operator : HP/JU
Sample : K4085-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

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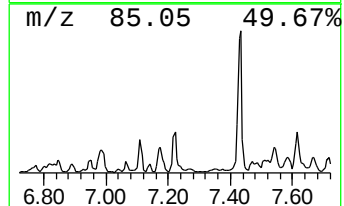
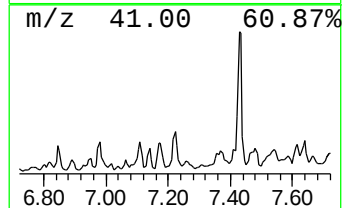
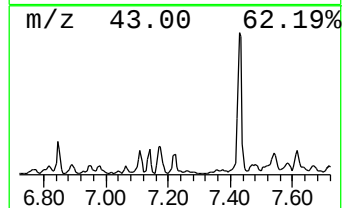
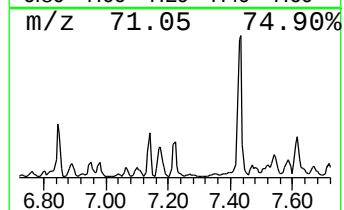
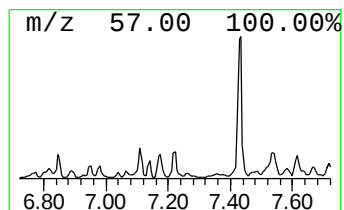
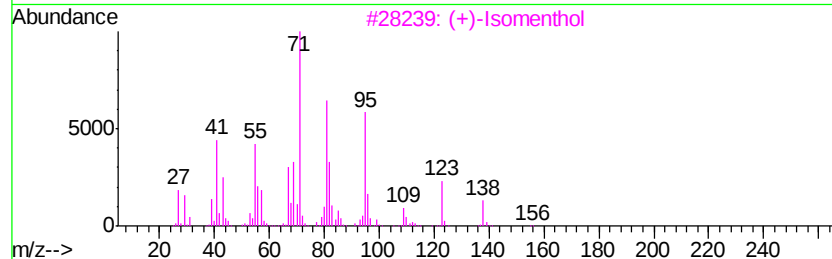
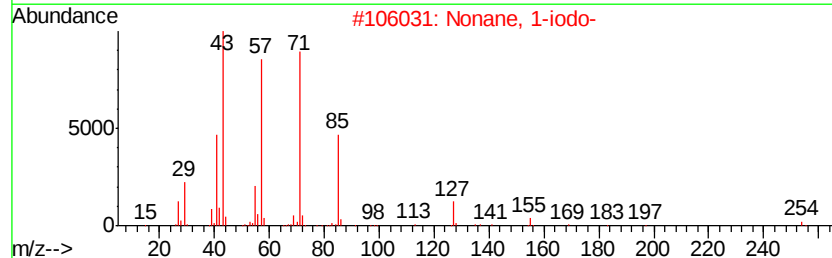
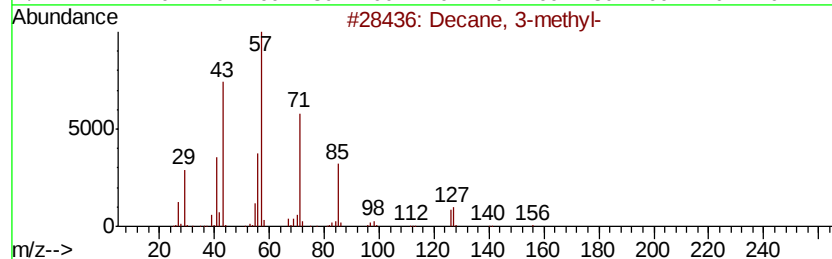
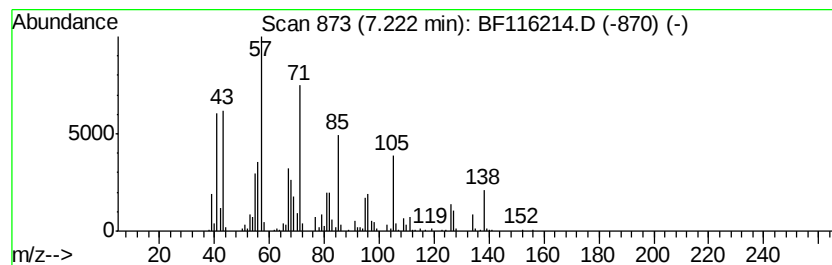
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Decane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	11.09 ng	601514	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	55
2		Nonane, 1-iodo-	254	C9H19I	004282-42-2	43
3		(+)-Isomenthol	156	C10H20O	1000152-08-3	43
4		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	43
5		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
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Instrument :
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ClientSampleId :
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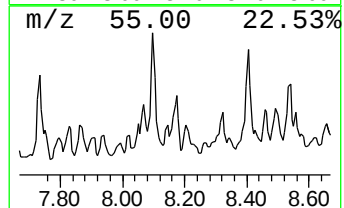
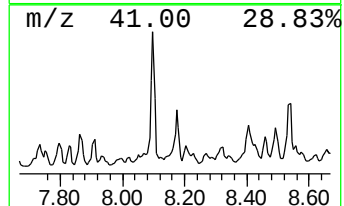
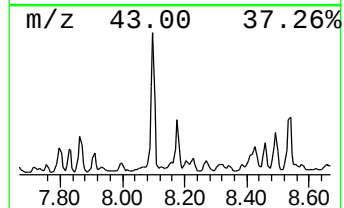
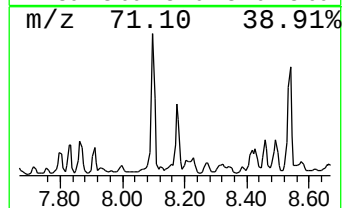
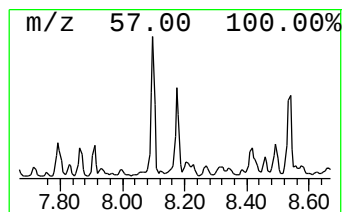
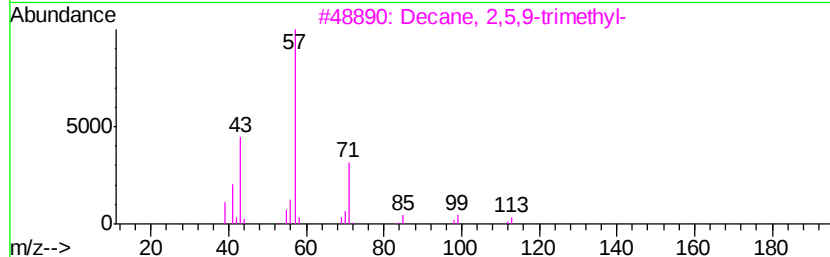
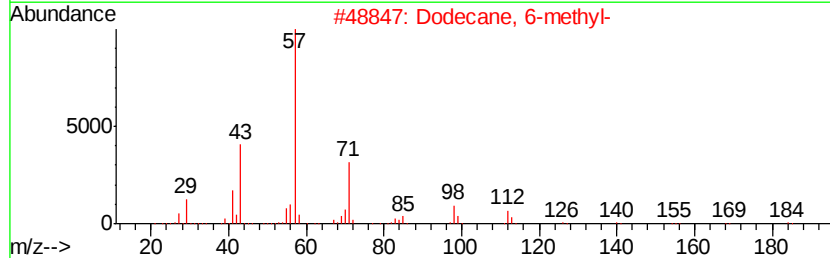
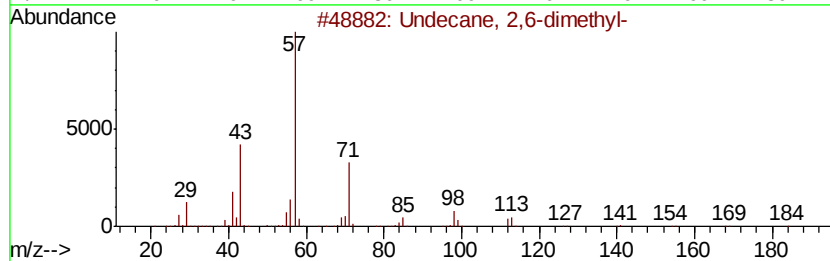
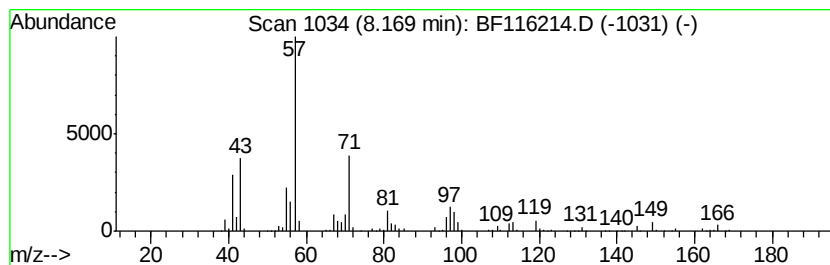
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Undecane, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	7.26 ng	1151790	Napthalene-d8	8.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	97
2		Dodecane, 6-methyl-	184	C13H28	006044-71-9	78
3		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72
4		Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	64
5		Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	59



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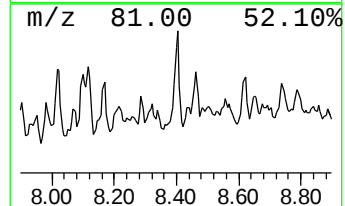
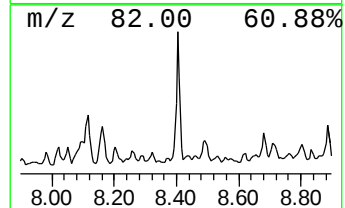
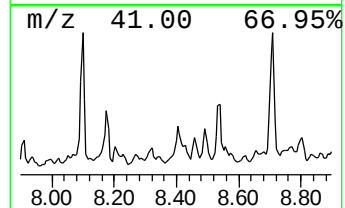
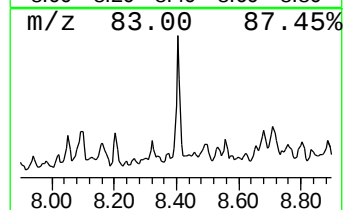
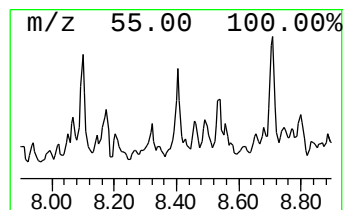
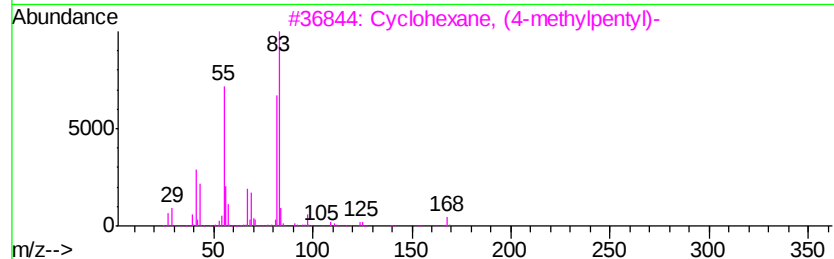
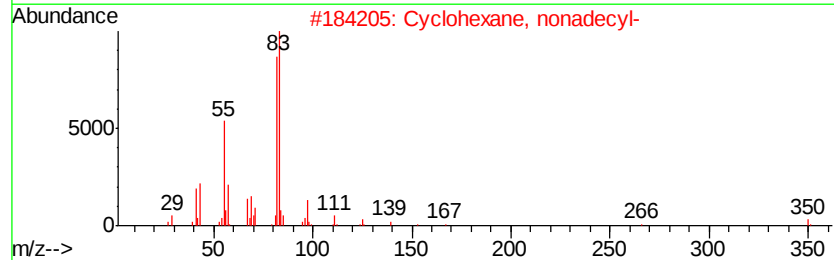
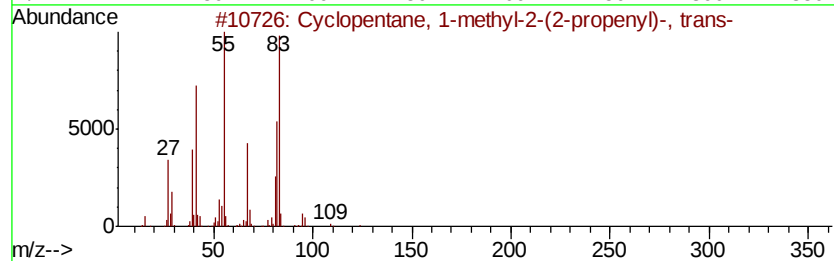
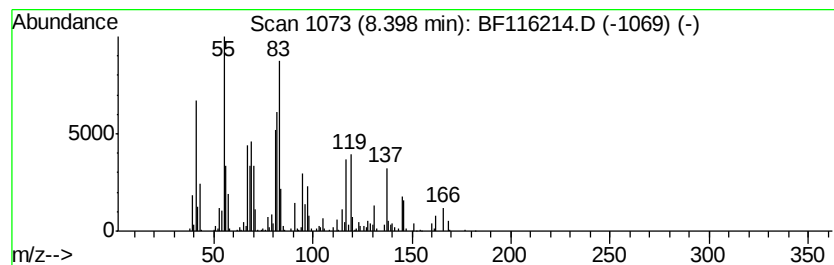
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown8.40 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	7.42 ng	1177880	Naphthalene-d8	8.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	49
2		Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	47
3		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	46
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
5		Cyclohexane, butyl-	140	C10H20	001678-93-9	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116214.D
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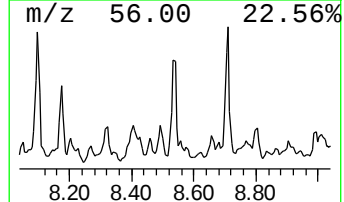
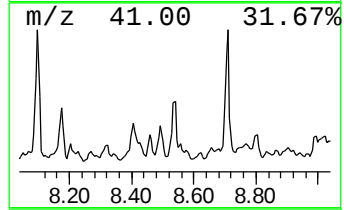
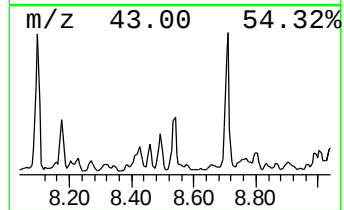
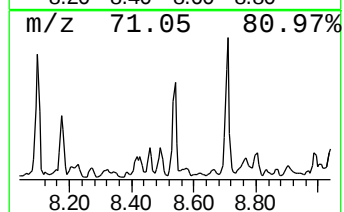
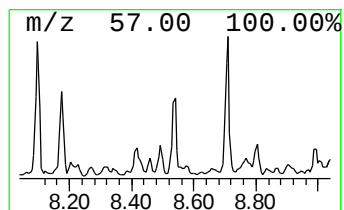
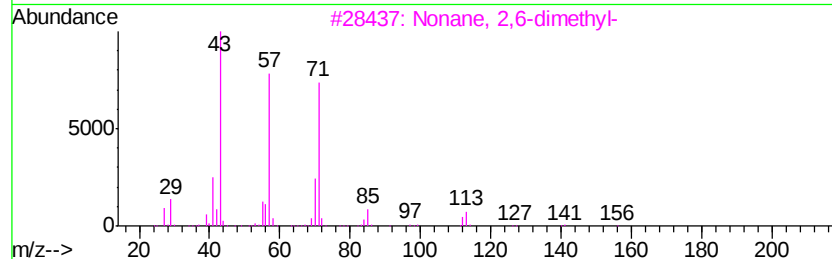
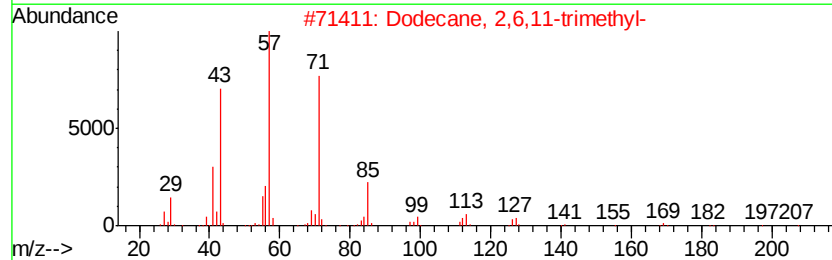
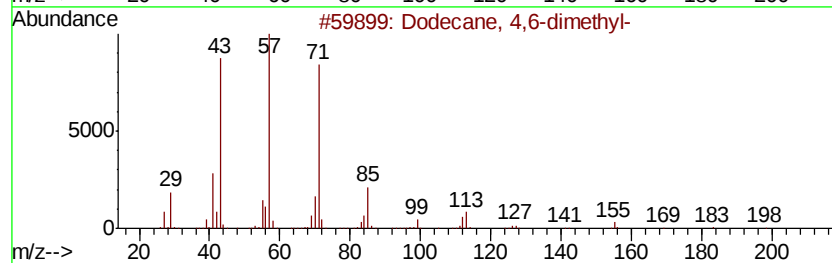
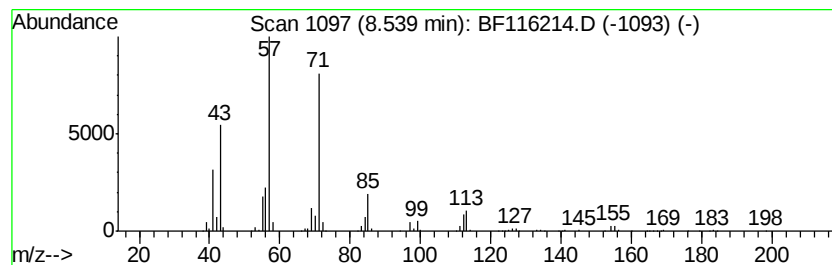
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dodecane, 4,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	6.85 ng	1087500	Napthalene-d8	8.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	91
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
3		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	80
4		Heptane, 3-[(ethenvloxy)methyl]-	156	C10H20O	000103-44-6	64
5		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116214.D
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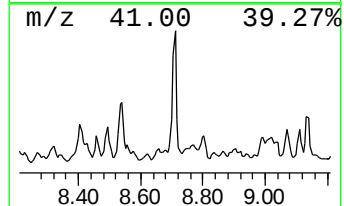
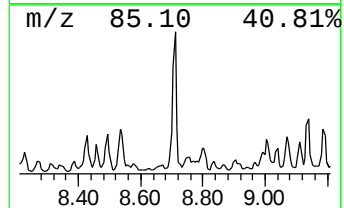
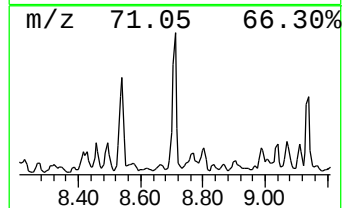
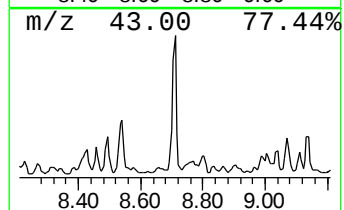
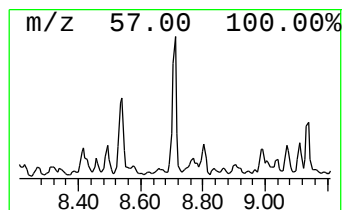
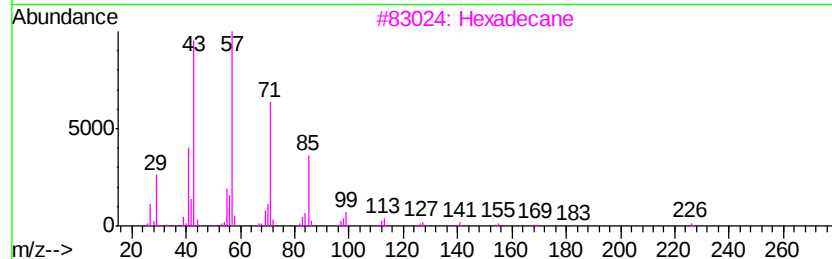
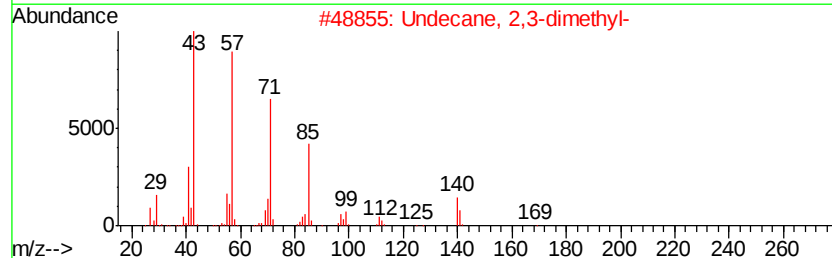
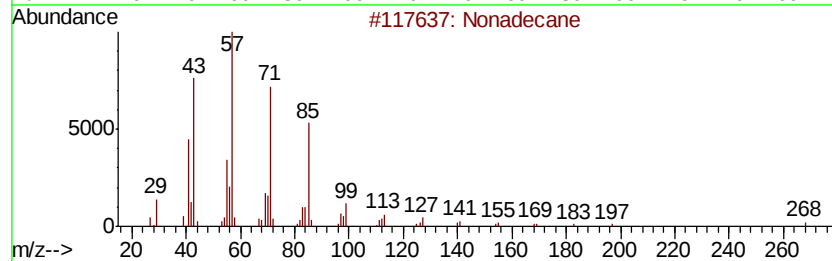
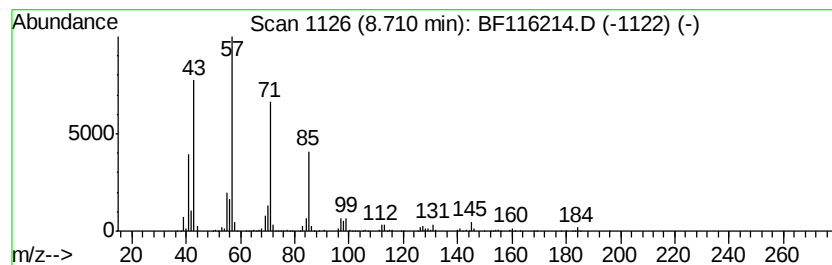
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	13.79 ng	2188190	Naphthalene-d8	8.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	86
2		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	86
3		Hexadecane	226	C16H34	000544-76-3	83
4		Tetradecane	198	C14H30	000629-59-4	80
5		Tridecane	184	C13H28	000629-50-5	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
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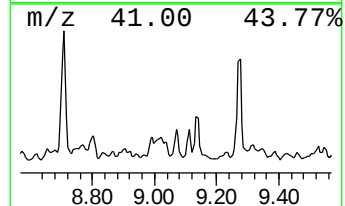
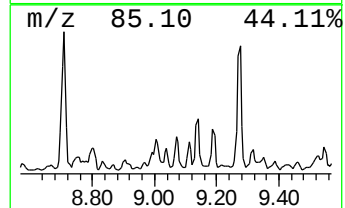
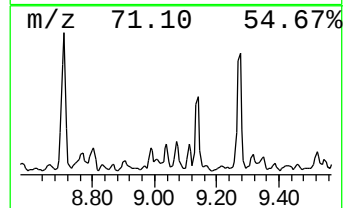
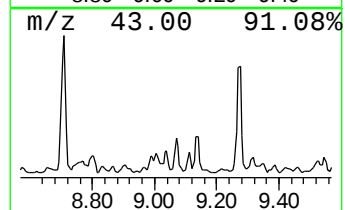
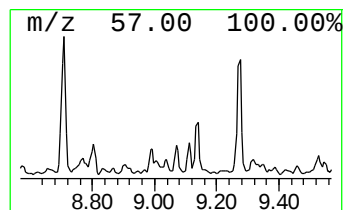
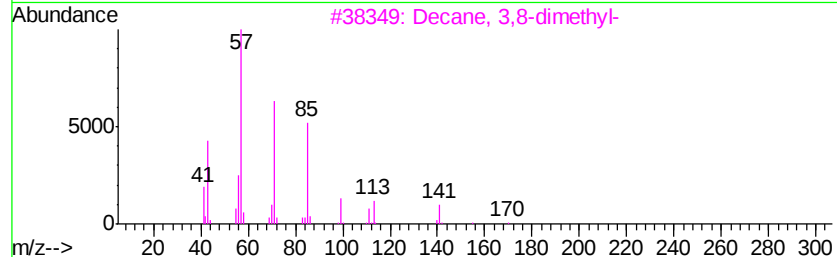
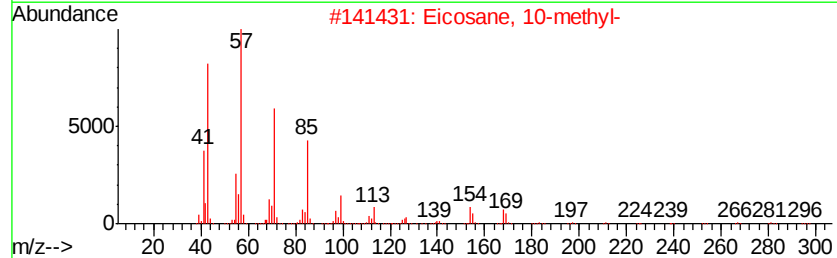
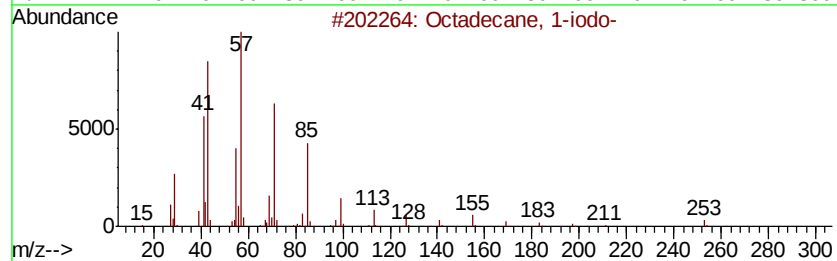
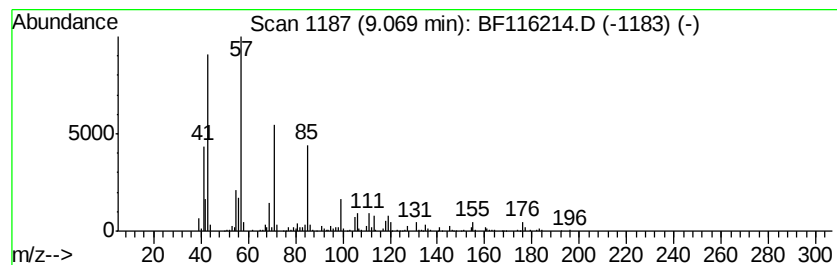
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Octadecane, 1-iodo- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	13.47 ng	745693	Acenaphthene-d10	9.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane, 1-iodo-	380	C18H37I	000629-93-6	64
2			Eicosane, 10-methyl-	296	C21H44	054833-23-7	64
3			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64
4			2-Bromo dodecane	248	C12H25Br	013187-99-0	59
5			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	59



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ALS Vial : 20 Sample Multiplier: 1

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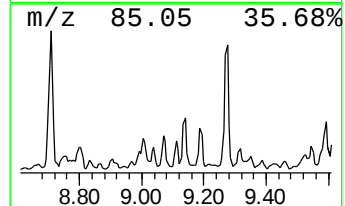
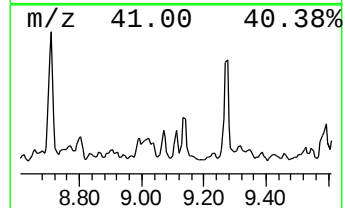
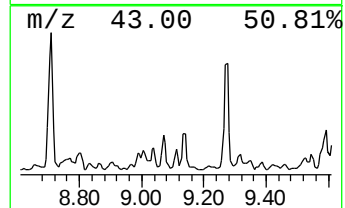
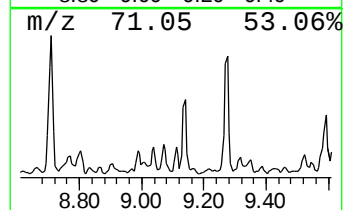
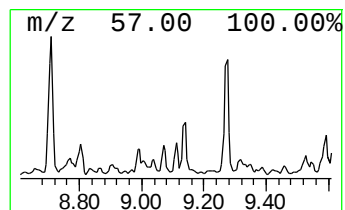
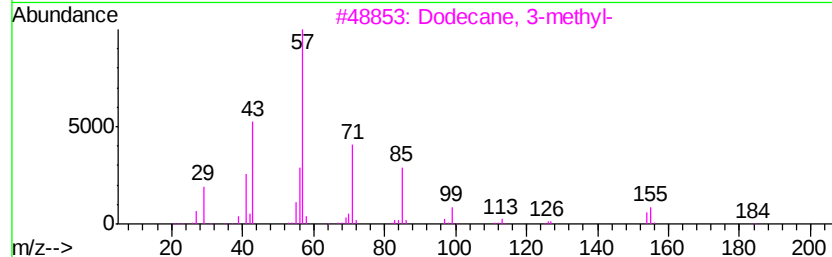
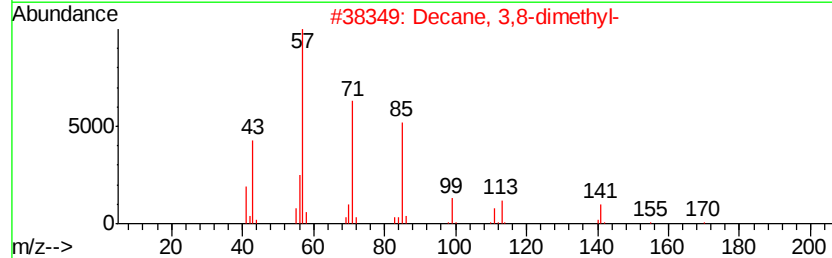
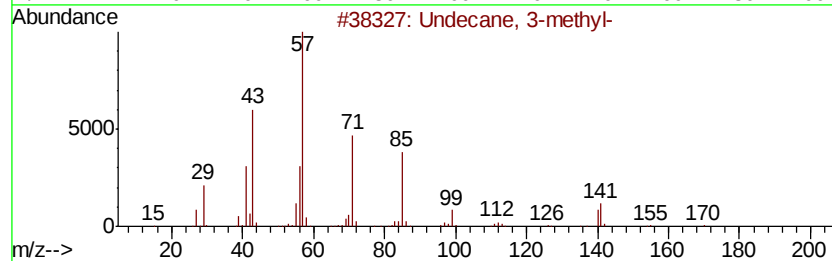
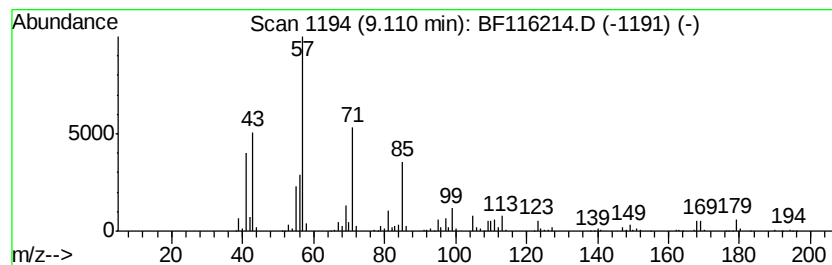
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Undecane, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.11	7.10 ng	393312	Acenaphthene-d10		9.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-			170	C12H26	001002-43-3	74
2	Decane, 3,8-dimethyl-			170	C12H26	017312-55-9	64
3	Dodecane, 3-methyl-			184	C13H28	017312-57-1	64
4	Undecane, 5-ethyl-			184	C13H28	017453-94-0	59
5	Tridecane, 3-methyl-			198	C14H30	006418-41-3	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116214.D
Acq On : 13 Aug 2019 2:50
Operator : HP/JU
Sample : K4085-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-080919-C

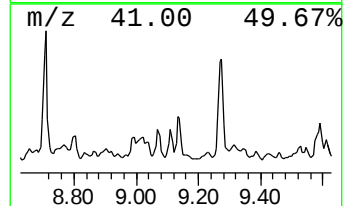
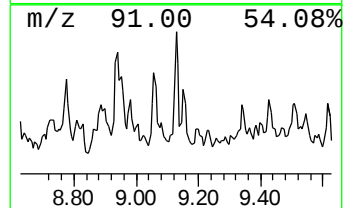
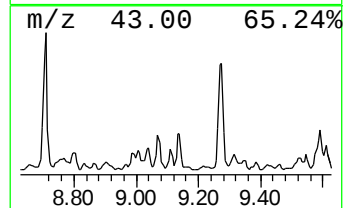
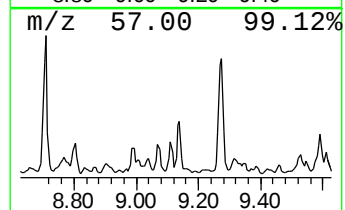
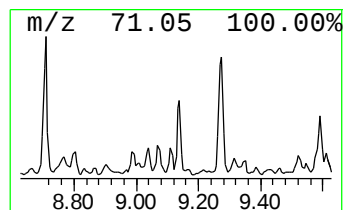
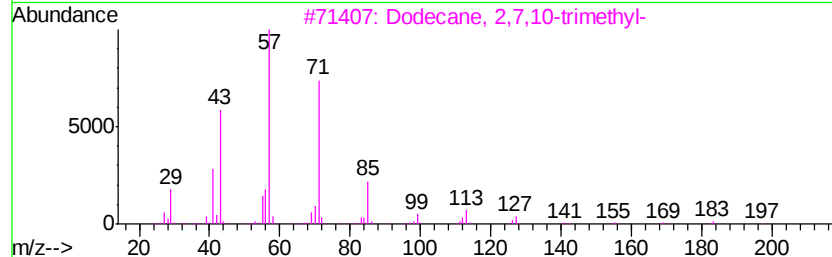
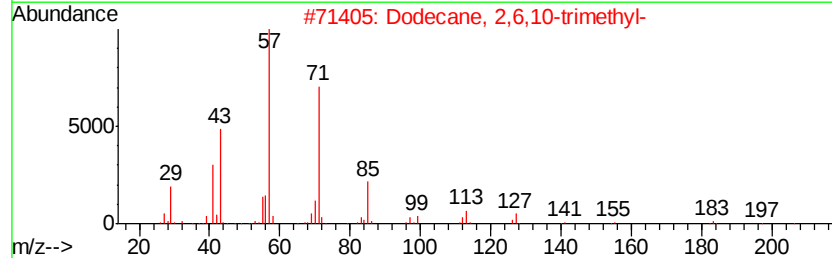
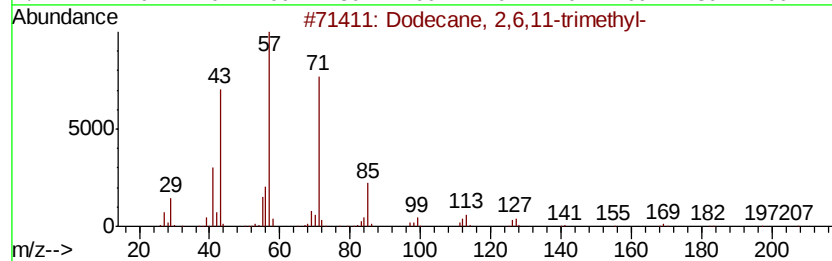
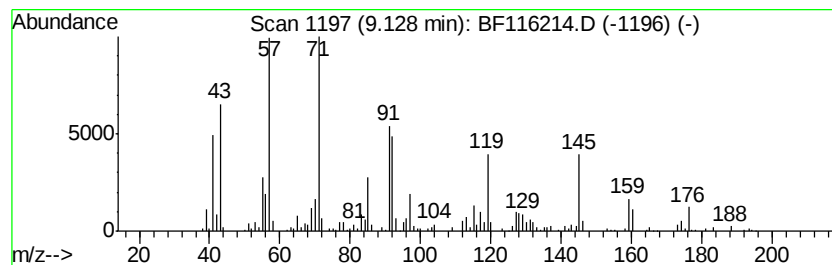
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dodecane, 2,6,11-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	19.53 ng	1081570	Acenaphthene-d10	9.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58
5		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116214.D
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Operator : HP/JU
Sample : K4085-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

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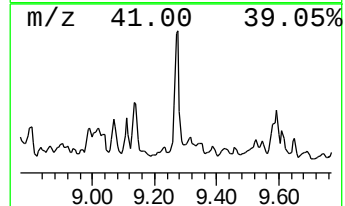
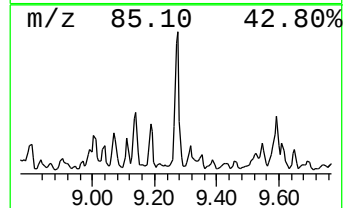
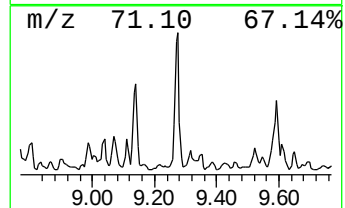
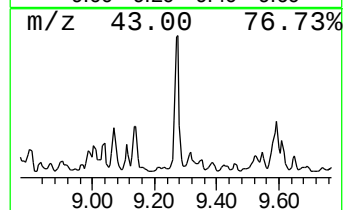
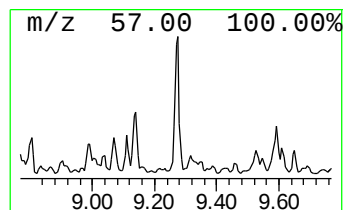
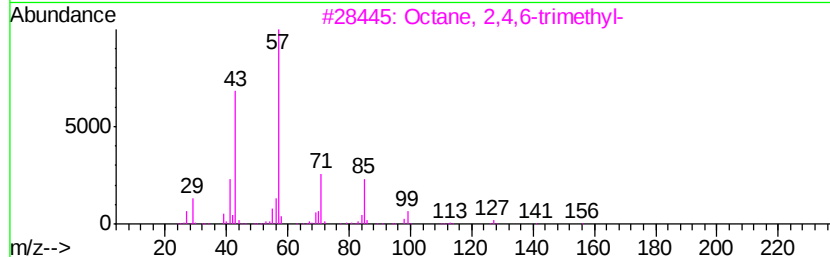
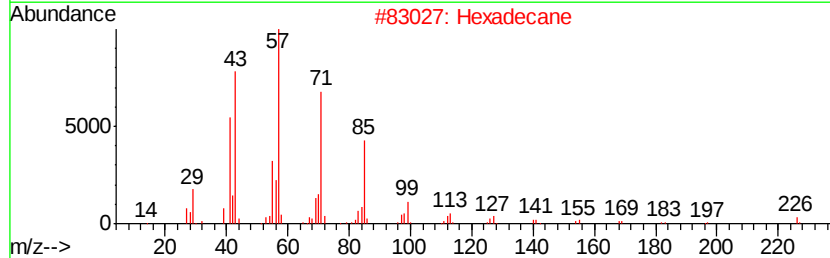
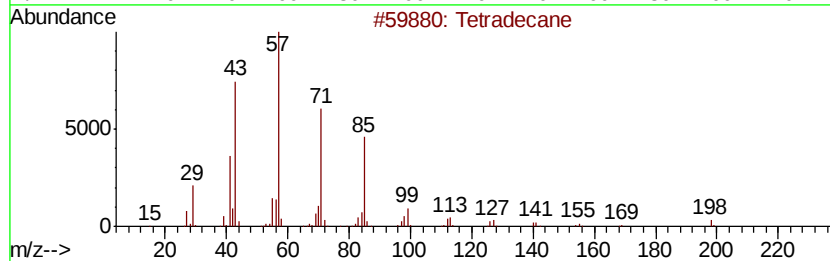
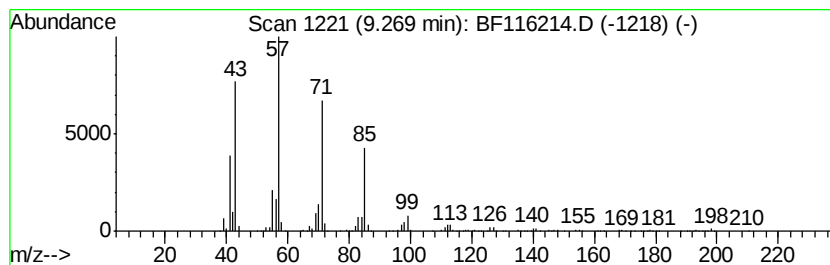
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Tetradecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	37.51 ng	2076770	Acenaphthene-d10	9.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	90
2		Hexadecane	226	C16H34	000544-76-3	90
3		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	86
4		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
5		Dodecane, 2-methyl-	184	C13H28	001560-97-0	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116214.D
Acq On : 13 Aug 2019 2:50
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Misc :
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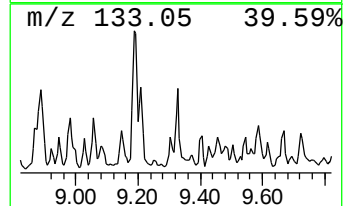
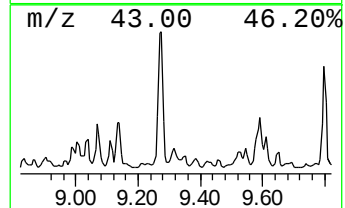
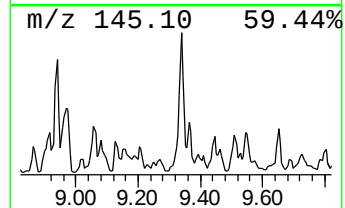
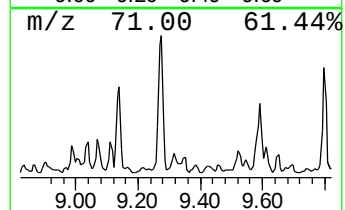
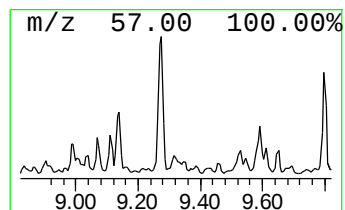
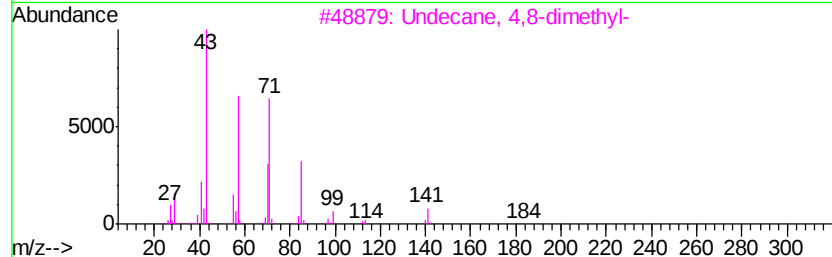
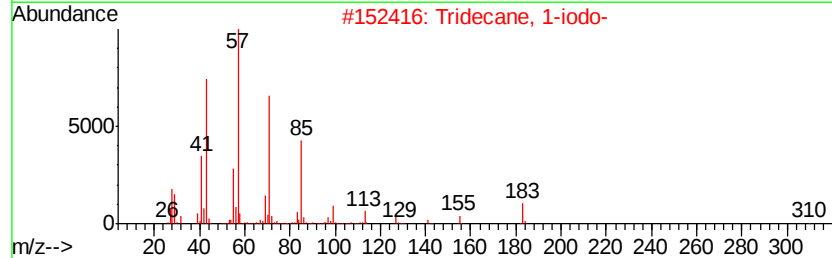
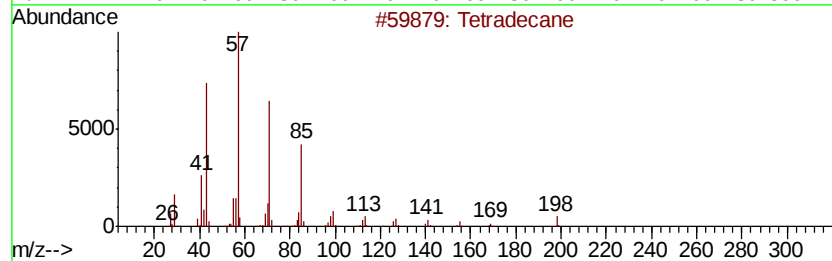
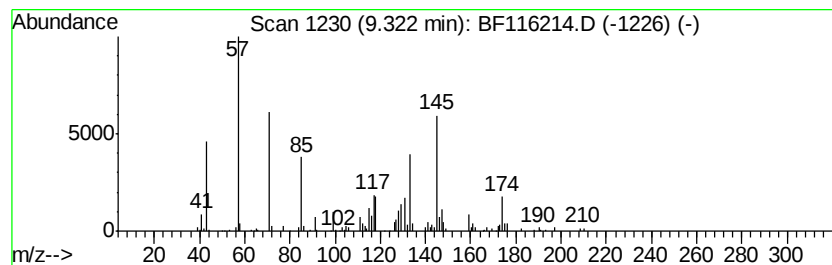
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Tridecane, 1-iodo- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	8.07 ng	446902	Acenaphthene-d10	9.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	59
2		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	53
3		Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	53
4		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	50
5		Pentadecane	212	C15H32	000629-62-9	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116214.D
Acq On : 13 Aug 2019 2:50
Operator : HP/JU
Sample : K4085-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

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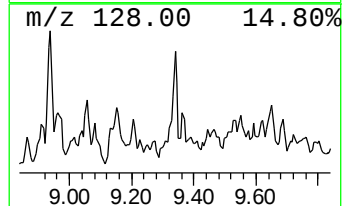
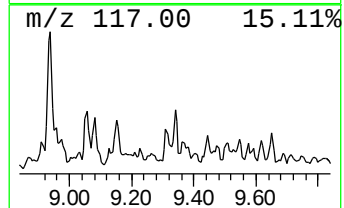
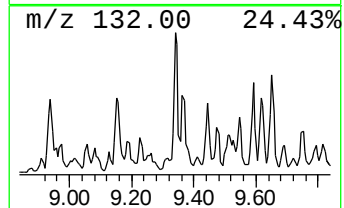
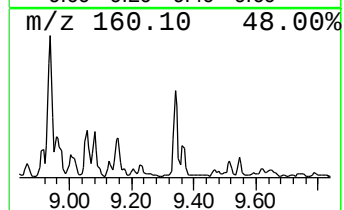
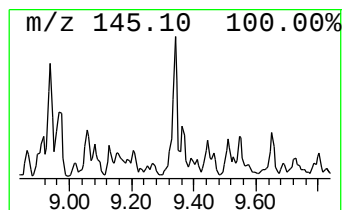
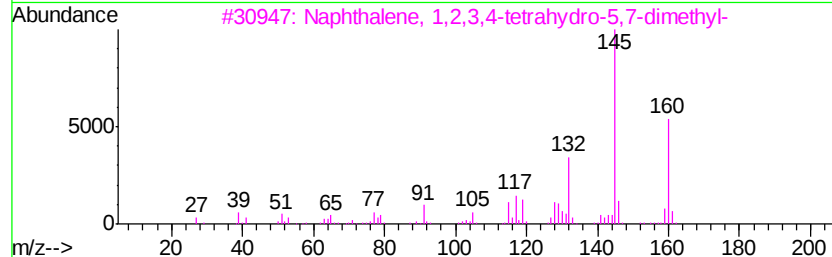
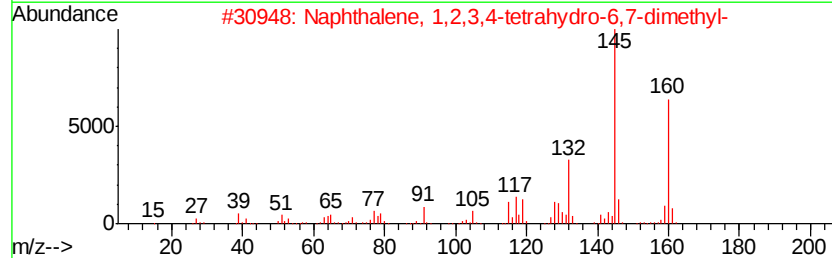
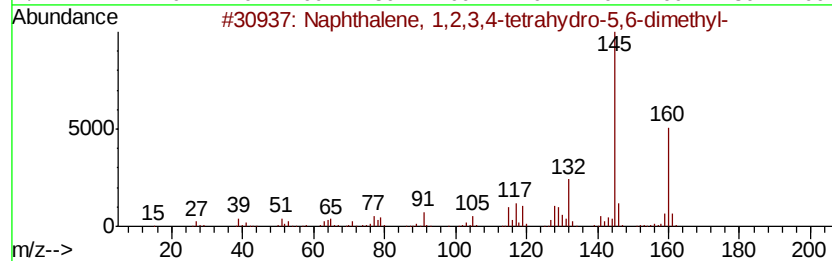
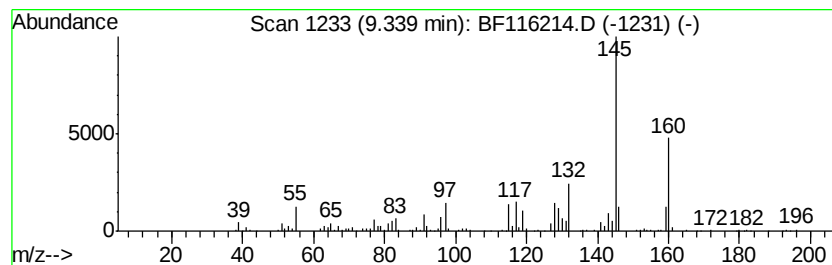
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1,2,3,4-tetra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	9.54 ng	528377	Acenaphthene-d10	9.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	94
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	94
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	93
4		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	91
5		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116214.D
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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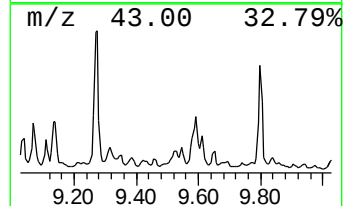
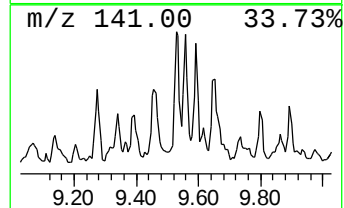
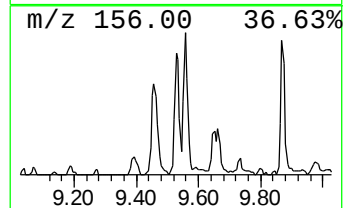
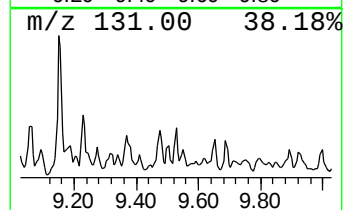
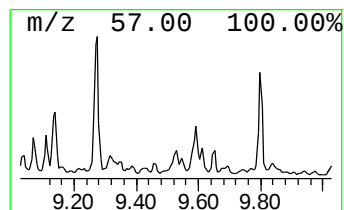
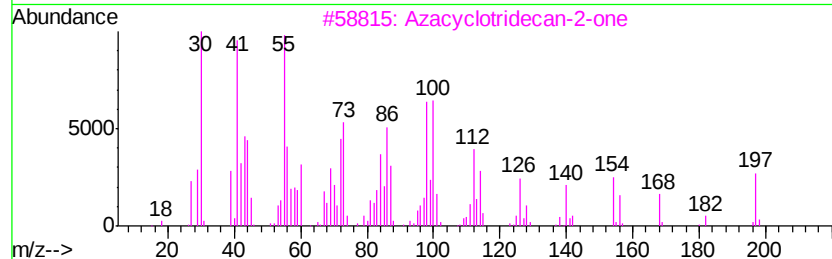
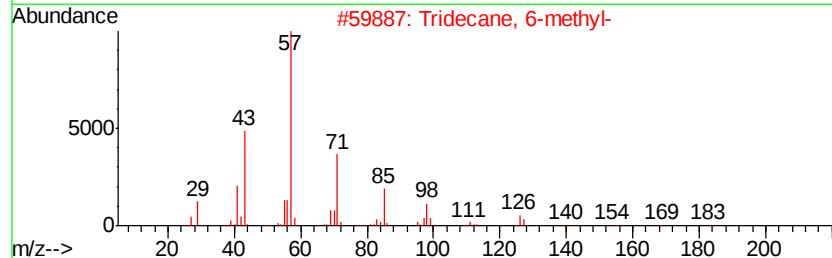
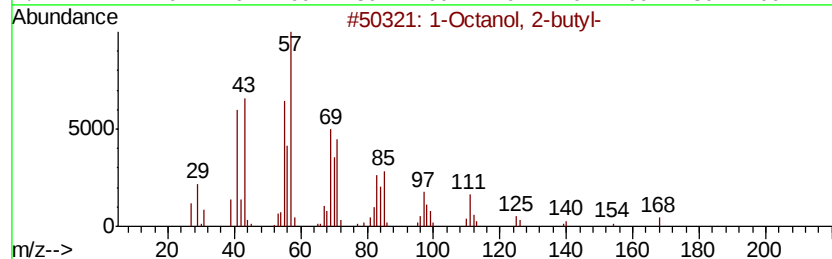
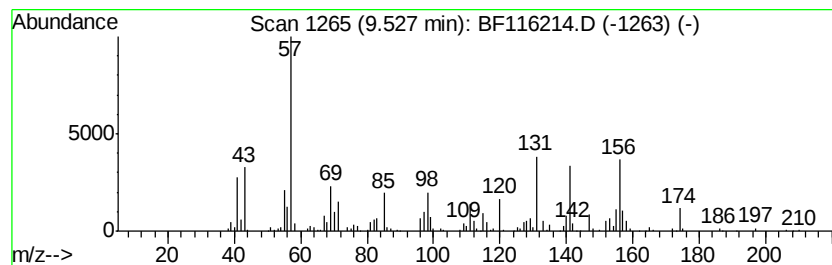
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown9.53 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	7.18 ng	397485	Acenaphthene-d10	9.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	10
2			Tridecane, 6-methyl-	198	C14H30	013287-21-3	10
3			Azacyclotridecan-2-one	197	C12H23NO	000947-04-6	10
4			Pivalamide, N-allyl-	141	C8H15NO	1000345-72-4	9
5			Oxalic acid, decyl 2-ethylhexyl ...	342	C20H38O4	1000309-39-3	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
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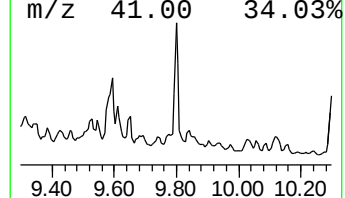
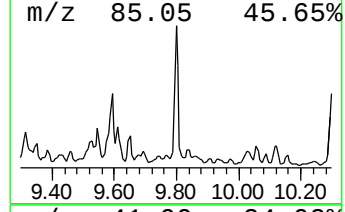
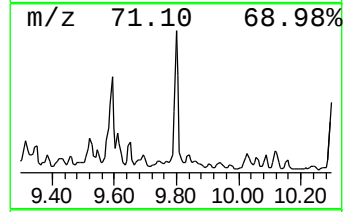
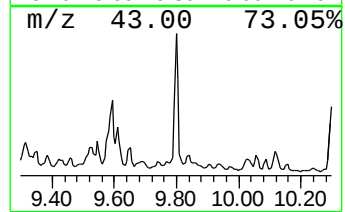
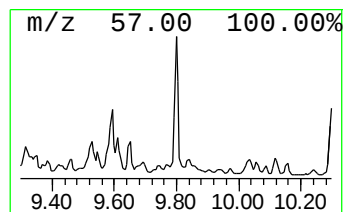
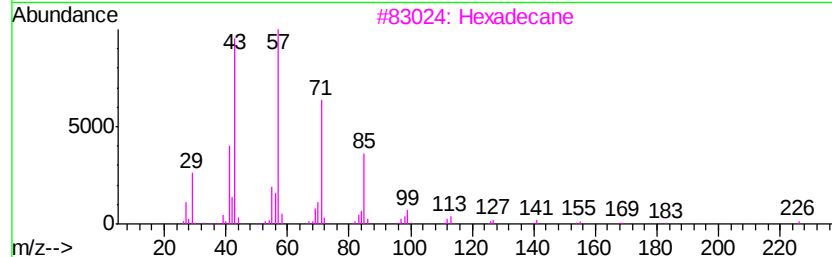
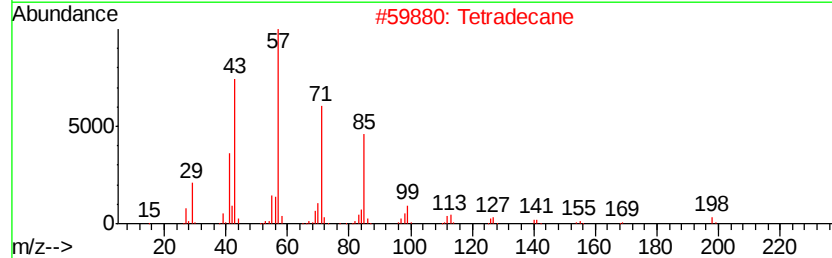
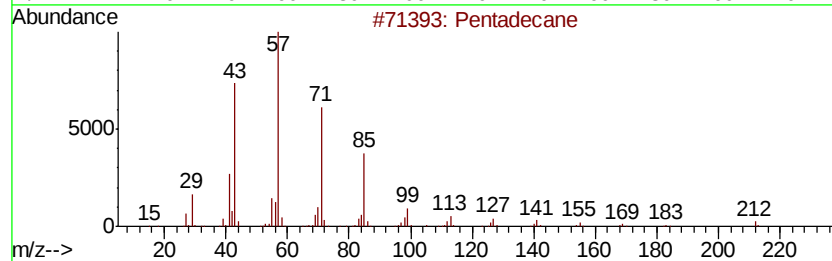
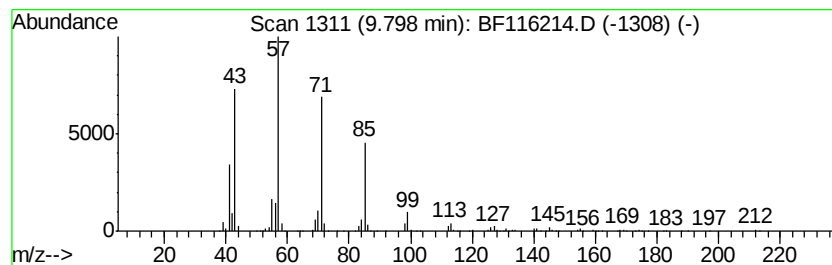
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pentadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	19.79 ng	1095570	Acenaphthene-d10	9.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	90
2		Tetradecane	198	C14H30	000629-59-4	86
3		Hexadecane	226	C16H34	000544-76-3	80
4		Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	72
5		Dodecane, 2-methyl-	184	C13H28	001560-97-0	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116214.D
Acq On : 13 Aug 2019 2:50
Operator : HP/JU
Sample : K4085-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-080919-C

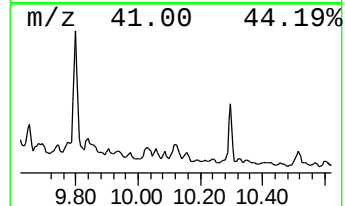
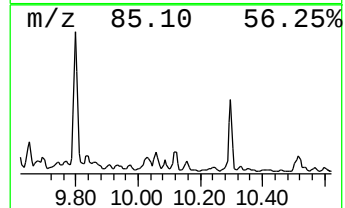
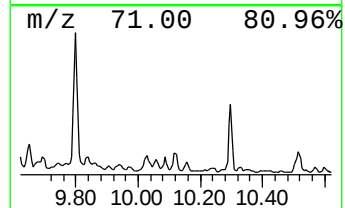
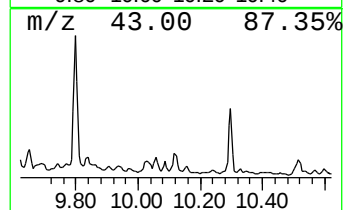
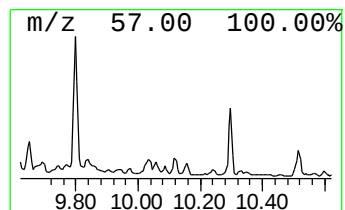
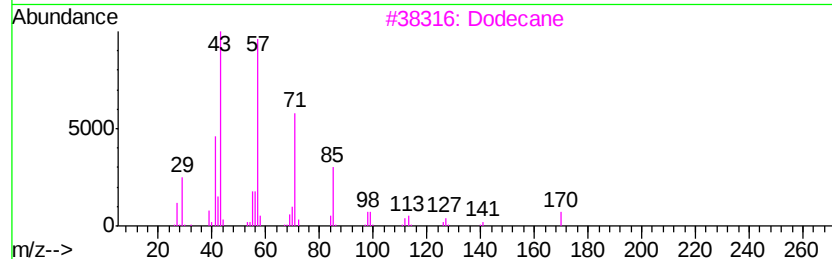
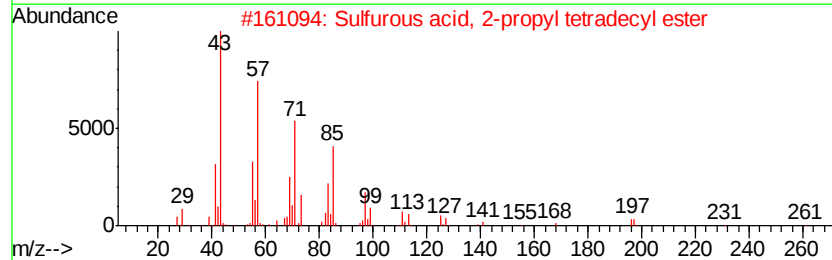
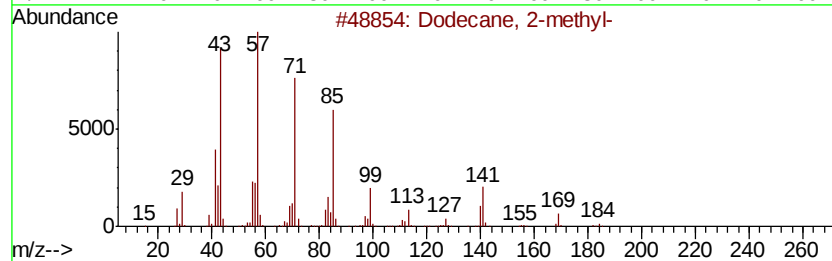
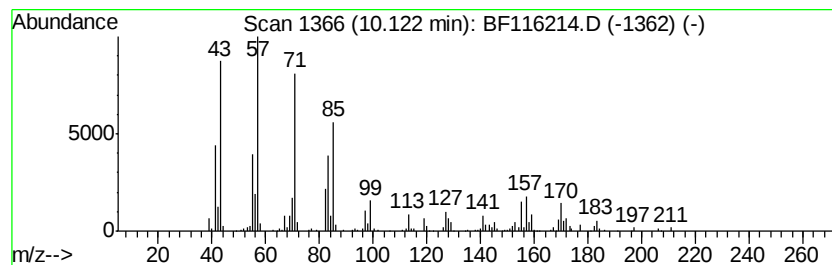
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dodecane, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	6.44 ng	356493	Acenaphthene-d10	9.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2-methyl-	184	C13H28	001560-97-0	83
2			Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1000309-12-5	72
3			Dodecane	170	C12H26	000112-40-3	64
4			Heneicosane	296	C21H44	000629-94-7	58
5			Octacosane	394	C28H58	000630-02-4	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116214.D
Acq On : 13 Aug 2019 2:50
Operator : HP/JU
Sample : K4085-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

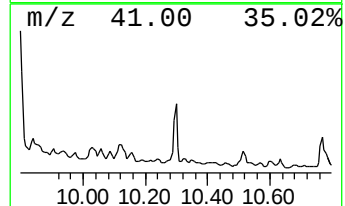
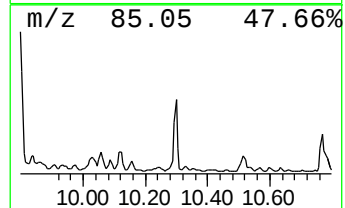
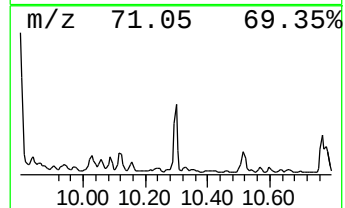
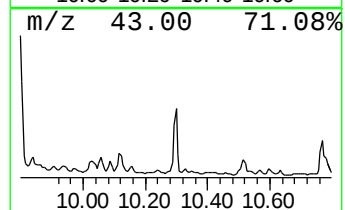
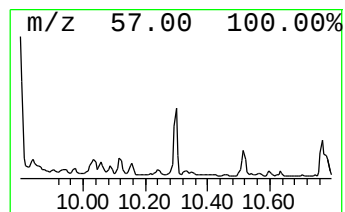
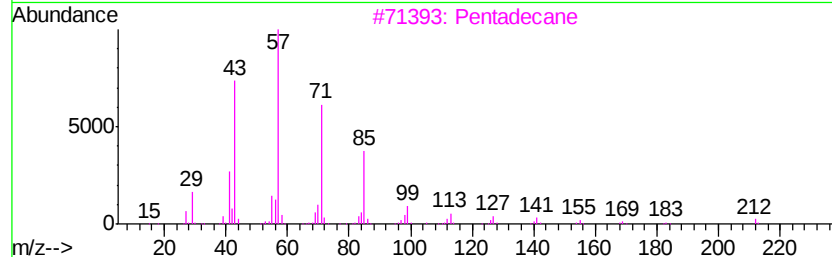
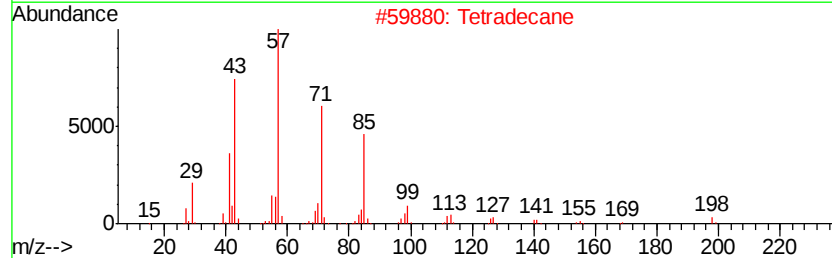
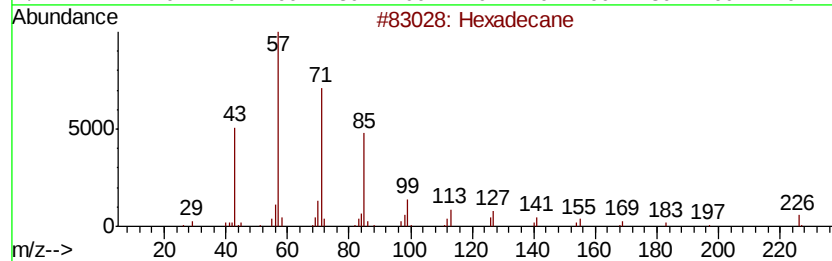
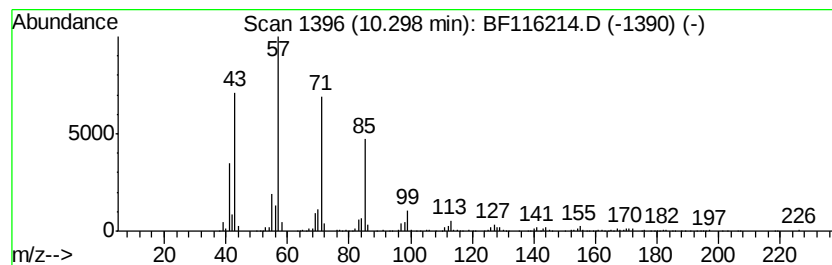
Instrument :
BNA_F
ClientSampleId :
HR-05-080919-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hexadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	12.79 ng	708120	Acenaphthene-d10	9.87
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	95
2	Tetradecane	198 C14H30	000629-59-4	86
3	Pentadecane	212 C15H32	000629-62-9	86
4	Undecane, 2-methyl-	170 C12H26	007045-71-8	80
5	Heptadecane	240 C17H36	000629-78-7	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116214.D
Acq On : 13 Aug 2019 2:50
Operator : HP/JU
Sample : K4085-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-080919-C

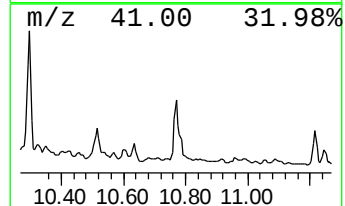
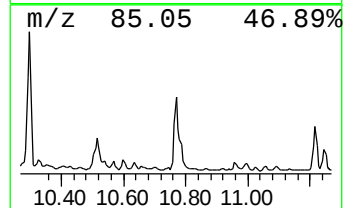
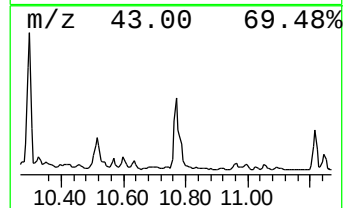
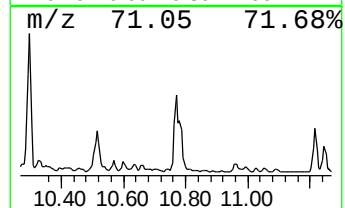
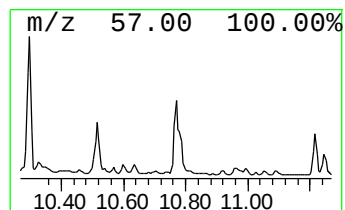
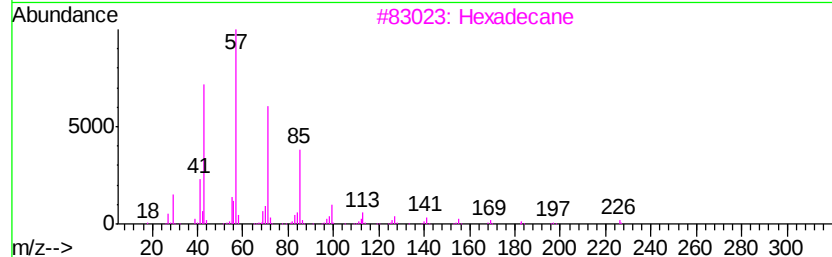
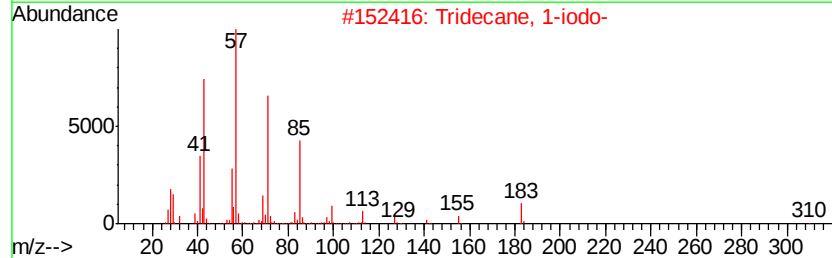
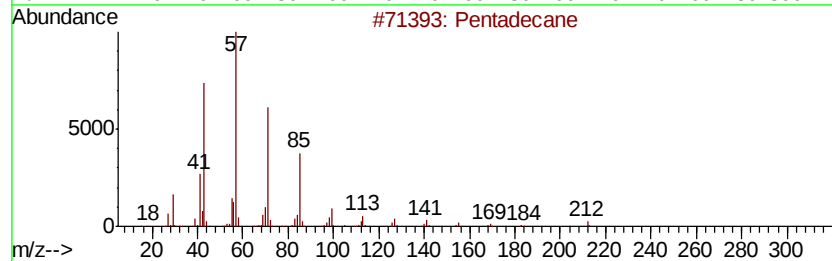
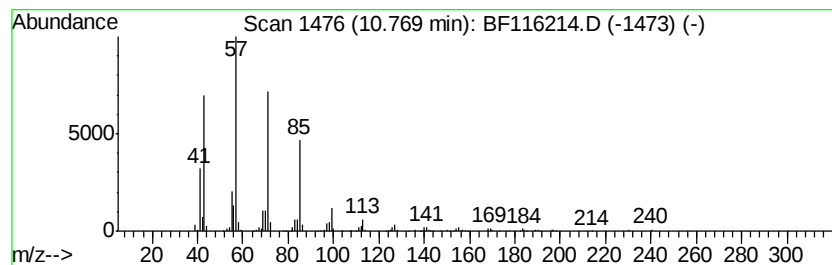
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dodecane, 1-iodo- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	10.11 ng	547774	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	91
2		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
3		Hexadecane	226	C16H34	000544-76-3	87
4		Dodecane, 2-methyl-	184	C13H28	001560-97-0	87
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081219\
 Data File : BF116214.D
 Acq On : 13 Aug 2019 2:50
 Operator : HP/JU
 Sample : K4085-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-080919-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.60	6.60	35.7	ng	1936610	1	6.83	1084660	20.0
Decane	6.67	11.8	ng	639066	1	6.83	1084660	20.0
Benzene, 1-methyl...	7.11	7.1	ng	386152	1	6.83	1084660	20.0
Decane, 3-methyl-	7.22	11.1	ng	601514	1	6.83	1084660	20.0
Undecane, 2,6-dim...	8.17	7.3	ng	1151790	2	8.12	3174480	20.0
unknown8.40	8.40	7.4	ng	1177880	2	8.12	3174480	20.0
Dodecane, 4,6-dim...	8.54	6.8	ng	1087500	2	8.12	3174480	20.0
Nonadecane	8.71	13.8	ng	2188190	2	8.12	3174480	20.0
Octadecane, 1-iodo-	9.07	13.5	ng	745693	3	9.87	1107380	20.0
Undecane, 3-methyl-	9.11	7.1	ng	393312	3	9.87	1107380	20.0
Dodecane, 2,6,11-...	9.13	19.5	ng	1081570	3	9.87	1107380	20.0
Tetradecane	9.27	37.5	ng	2076770	3	9.87	1107380	20.0
Tridecane, 1-iodo-	9.32	8.1	ng	446902	3	9.87	1107380	20.0
Naphthalene, 1,2,...	9.34	9.5	ng	528377	3	9.87	1107380	20.0
unknown9.53	9.53	7.2	ng	397485	3	9.87	1107380	20.0
Pentadecane	9.80	19.8	ng	1095570	3	9.87	1107380	20.0
Dodecane, 2-methyl-	10.12	6.4	ng	356493	3	9.87	1107380	20.0
Hexadecane	10.30	12.8	ng	708120	3	9.87	1107380	20.0
Dodecane, 1-iodo-	10.77	10.1	ng	547774	4	11.36	1083720	20.0