

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030519\
 Data File : BF112854.D
 Acq On : 5 Mar 2019 14:37
 Operator : JU/SJ
 Sample : K1727-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.346	551	554	560	rVB	1090508	1082756	13.70%	0.550%
2	5.587	592	595	600	rVB	1049860	976413	12.36%	0.496%
3	5.663	605	608	614	rBV	880211	767356	9.71%	0.390%
4	5.910	644	650	653	rVB	660497	697094	8.82%	0.354%
5	6.004	663	666	669	rBV	1076382	1083889	13.72%	0.550%
6	6.198	693	699	702	rBV2	1089929	1358196	17.19%	0.690%
7	6.246	702	707	708	rBV2	529887	704021	8.91%	0.357%
8	6.263	708	710	712	rVV	1313937	1001412	12.67%	0.508%
9	6.293	712	715	718	rVV	1600014	1705555	21.58%	0.866%
10	6.351	722	725	727	rBV	2619966	2343715	29.66%	1.190%
11	6.369	727	728	733	rVB2	618703	643710	8.15%	0.327%
12	6.434	736	739	746	rVB3	930682	1376802	17.42%	0.699%
13	6.510	746	752	755	rBV2	2295042	3127963	39.58%	1.588%
14	6.604	763	768	772	rVB	6264409	6828860	86.42%	3.467%
15	6.704	777	785	787	rBV3	602835	995694	12.60%	0.506%
16	6.745	787	792	795	rBV	1740046	2125079	26.89%	1.079%
17	6.781	795	798	801	rVB2	2992270	2477788	31.36%	1.258%
18	6.810	801	803	808	rVB2	1909656	2481985	31.41%	1.260%
19	6.881	812	815	817	rBV	1360676	1479943	18.73%	0.751%
20	6.904	817	819	824	rVV2	3572003	3744662	47.39%	1.901%
21	6.998	832	835	838	rVV3	719698	817438	10.34%	0.415%
22	7.040	838	842	845	rVV2	2301618	2712395	34.33%	1.377%
23	7.075	845	848	850	rVB2	3162074	2850884	36.08%	1.447%
24	7.104	850	853	857	rVB	3198656	2968143	37.56%	1.507%
25	7.151	857	861	864	rBV	3705963	3285420	41.58%	1.668%
26	7.298	879	886	890	rVV3	2595373	4353499	55.09%	2.210%
27	7.340	890	893	894	rVV2	1103393	1100738	13.93%	0.559%
28	7.369	894	898	900	rVV	7287356	7901994	100.00%	4.012%
29	7.404	900	904	908	rVB5	1151068	1793066	22.69%	0.910%
30	7.475	912	916	919	rVV2	1092226	1399886	17.72%	0.711%
31	7.528	921	925	926	rVV2	1094281	1137638	14.40%	0.578%
32	7.551	926	929	935	rVB3	1666016	2204800	27.90%	1.119%
33	7.657	939	947	949	rBV5	1025574	1523357	19.28%	0.773%
34	7.692	949	953	956	rVB4	669037	829078	10.49%	0.421%

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35	7.728	956	959	962	rBV2	761328	797684	10.09%	0.405%
36	7.763	962	965	969	rBV3	2291035	2878077	36.42%	1.461%
37	7.792	969	970	974	rVB3	1084435	1045609	13.23%	0.531%
38	7.840	975	978	980	rBV2	853600	660574	8.36%	0.335%
39	8.028	1006	1010	1018	rVV2	3774418	4102462	51.92%	2.083%
40	8.104	1021	1023	1026	rVB	886430	669096	8.47%	0.340%
41	8.263	1043	1050	1053	rVV7	922029	2306216	29.19%	1.171%
42	8.304	1054	1057	1059	rVV2	1013274	1346008	17.03%	0.683%
43	8.334	1059	1062	1064	rVV2	956800	1249510	15.81%	0.634%
44	8.357	1064	1066	1068	rVV	950919	1058145	13.39%	0.537%
45	8.387	1068	1071	1074	rVV3	1276992	1431382	18.11%	0.727%
46	8.422	1074	1077	1079	rVV2	1520069	1504628	19.04%	0.764%
47	8.469	1081	1085	1094	rVV4	2418600	5504085	69.65%	2.794%
48	8.539	1094	1097	1100	rVB	1088554	1120667	14.18%	0.569%
49	8.634	1110	1113	1116	rVV2	2559198	2393457	30.29%	1.215%
50	8.728	1126	1129	1132	rVB2	881731	1219764	15.44%	0.619%
51	8.845	1144	1149	1154	rVB4	639282	1048482	13.27%	0.532%
52	8.916	1158	1161	1163	rBV	1485065	1302288	16.48%	0.661%
53	8.945	1163	1166	1168	rVV2	1170105	1418074	17.95%	0.720%
54	8.998	1172	1175	1179	rBV2	1967959	2011382	25.45%	1.021%
55	9.039	1179	1182	1184	rBV	1827970	1588394	20.10%	0.806%
56	9.069	1184	1187	1189	rVB	2384268	2095333	26.52%	1.064%
57	9.104	1189	1193	1196	rVB	2985411	2853641	36.11%	1.449%
58	9.198	1206	1209	1214	rBV2	2207481	2950128	37.33%	1.498%
59	9.363	1231	1237	1239	rBV5	522331	882120	11.16%	0.448%
60	9.386	1239	1241	1244	rVV	722756	750053	9.49%	0.381%
61	9.422	1244	1247	1248	rVV2	692751	800063	10.12%	0.406%
62	9.457	1249	1253	1255	rVV2	1778389	2775193	35.12%	1.409%
63	9.475	1255	1256	1258	rVV	1708947	1284963	16.26%	0.652%
64	9.522	1258	1264	1266	rVV	4465478	6131462	77.59%	3.113%
65	9.539	1266	1267	1271	rVV	1985331	1898156	24.02%	0.964%
66	9.575	1271	1273	1276	rVV	1390191	1382626	17.50%	0.702%
67	9.728	1296	1299	1303	rVB2	1967353	1732270	21.92%	0.879%
68	9.957	1334	1338	1341	rVV2	1526604	2265177	28.67%	1.150%
69	9.986	1341	1343	1346	rVV	1496663	1421125	17.98%	0.722%
70	10.016	1346	1348	1350	rVV	1184414	960665	12.16%	0.488%
71	10.051	1350	1354	1357	rVV2	2233591	2496008	31.59%	1.267%

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72	10.081	1357	1359	1364	rVB	953357	809666	10.25%	0.411%
73	10.445	1416	1421	1424	rBV	2671394	3508494	44.40%	1.781%
74	10.533	1432	1436	1438	rBV3	988933	1453679	18.40%	0.738%
75	10.557	1438	1440	1445	rVB2	2050355	1998436	25.29%	1.015%
76	10.716	1461	1467	1470	rBV2	2968574	5053293	63.95%	2.566%
77	10.757	1470	1474	1476	rVV	2867135	3075715	38.92%	1.562%
78	10.792	1476	1480	1483	rVV2	3353532	3915892	49.56%	1.988%
79	10.822	1483	1485	1487	rVV2	3085169	2753518	34.85%	1.398%
80	10.845	1487	1489	1492	rVB	2017984	1705283	21.58%	0.866%
81	10.886	1492	1496	1501	rBV2	2092291	3756699	47.54%	1.907%
82	10.933	1501	1504	1507	rBV4	2138788	2622300	33.19%	1.331%
83	10.975	1507	1511	1513	rVV	2316864	2646523	33.49%	1.344%
84	11.016	1515	1518	1520	rVB3	1345044	1296183	16.40%	0.658%
85	11.180	1542	1546	1551	rVB	3664460	4116875	52.10%	2.090%
86	11.228	1551	1554	1557	rBV3	592298	789073	9.99%	0.401%
87	11.322	1567	1570	1575	rVV	1083164	1662580	21.04%	0.844%
88	11.451	1589	1592	1595	rVB	1102040	892381	11.29%	0.453%
89	11.480	1595	1597	1602	rBV	959234	1013712	12.83%	0.515%
90	11.528	1602	1605	1607	rBV	1270552	1267252	16.04%	0.643%
91	11.733	1637	1640	1645	rVV2	1337773	1916850	24.26%	0.973%
92	11.798	1648	1651	1654	rVB2	872438	834888	10.57%	0.424%
93	11.828	1654	1656	1660	rVB2	846122	742251	9.39%	0.377%
94	11.863	1660	1662	1665	rBV2	774773	902077	11.42%	0.458%
95	11.910	1668	1670	1674	rVB	1078271	926879	11.73%	0.471%
96	12.122	1704	1706	1709	rBV	675332	845804	10.70%	0.429%
97	12.575	1780	1783	1785	rBV	619246	646813	8.19%	0.328%
98	12.839	1824	1828	1834	rBV	2520306	2329111	29.47%	1.182%
99	13.880	2002	2005	2009	rVB2	1298317	1193563	15.10%	0.606%
100	15.292	2241	2245	2250	rVV	890612	1075348	13.61%	0.546%

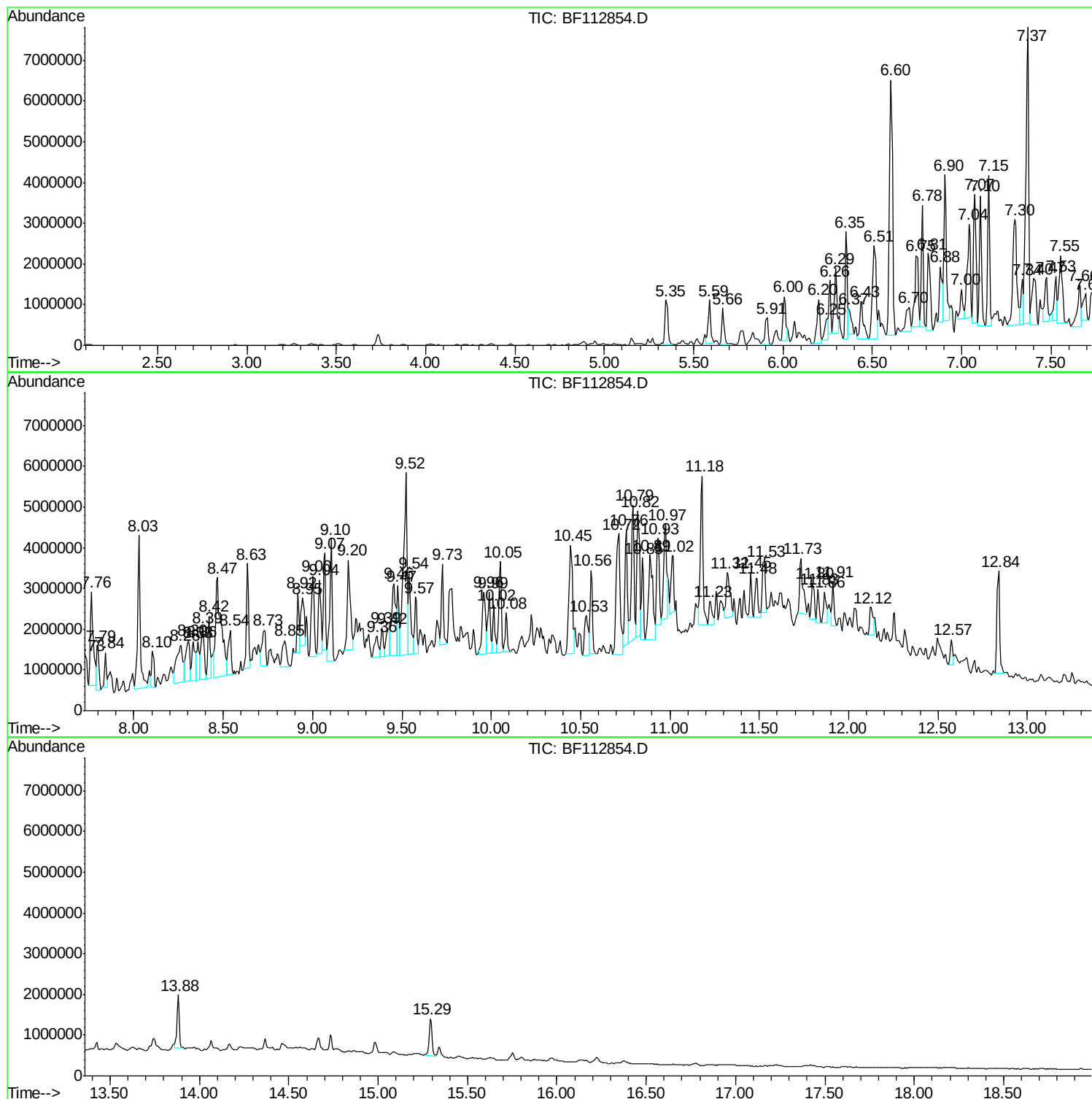
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ClientSampled :
DUP-1

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

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



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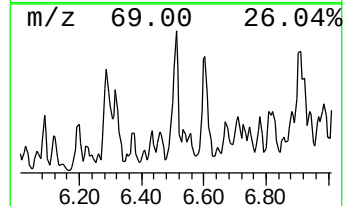
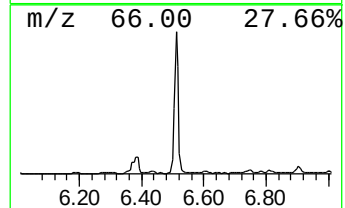
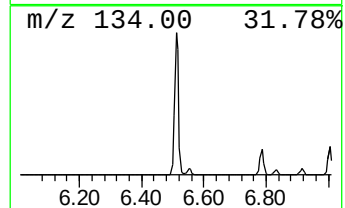
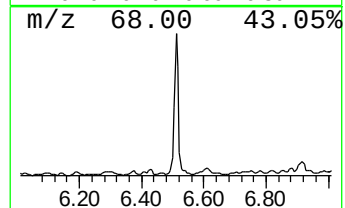
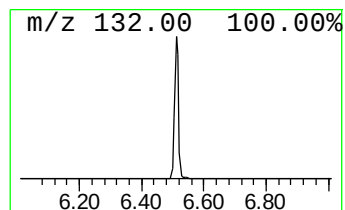
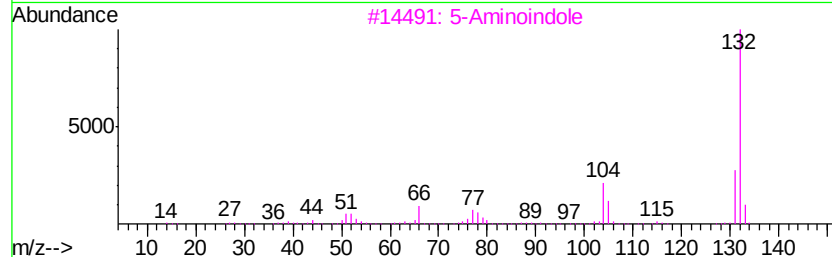
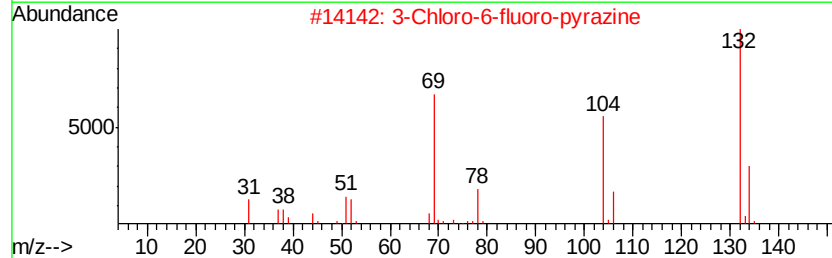
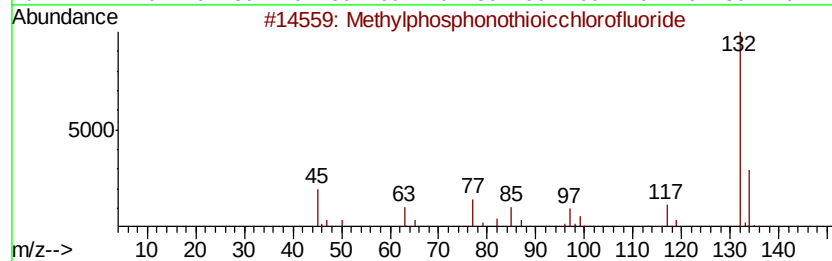
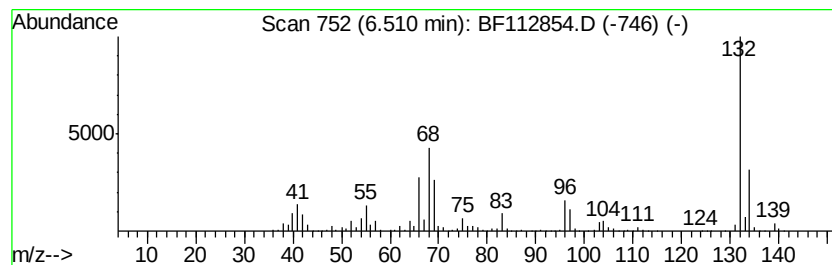
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.51 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	29.44 ng	3127960	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methylphosphonothioicchlorofluoride	132	CH3ClFPS	027127-27-1	27
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9



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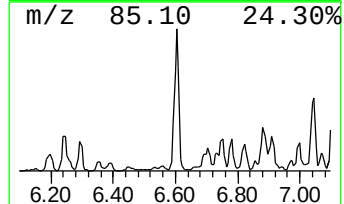
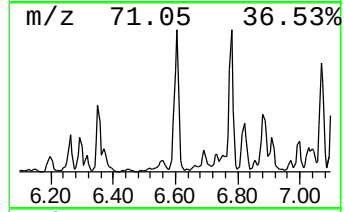
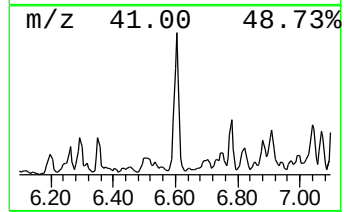
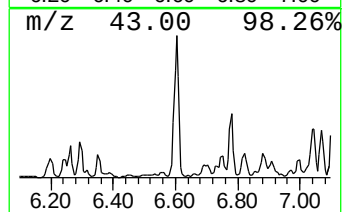
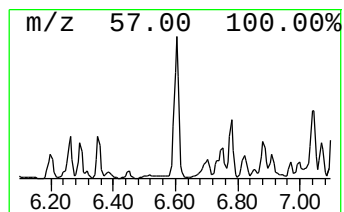
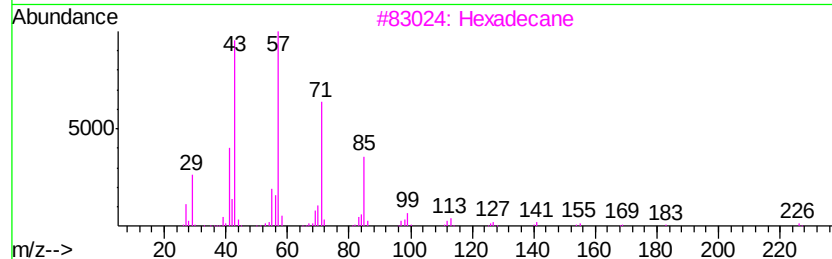
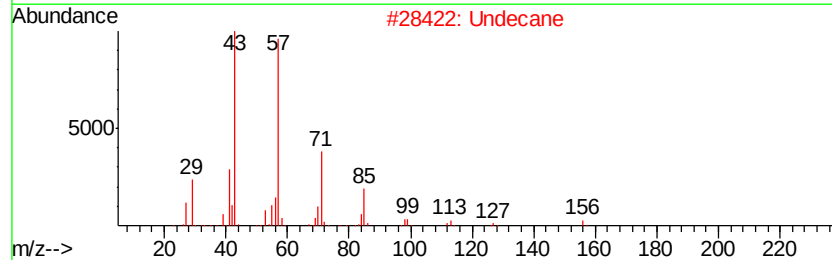
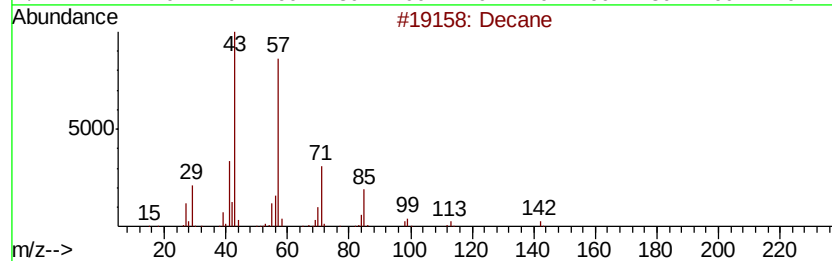
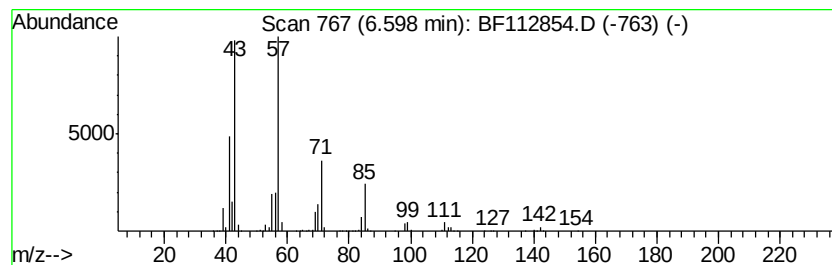
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Decane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	64.27 ng	6828860	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	90
2		Undecane	156	C11H24	001120-21-4	83
3		Hexadecane	226	C16H34	000544-76-3	78
4		Tridecane	184	C13H28	000629-50-5	72
5		Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	64



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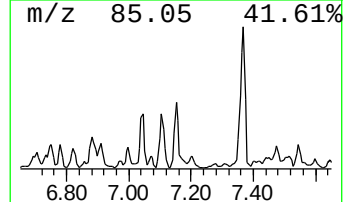
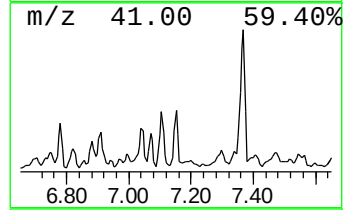
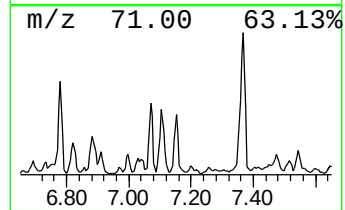
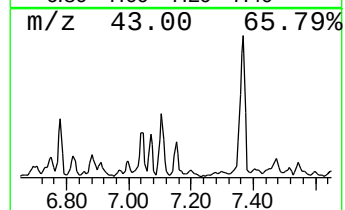
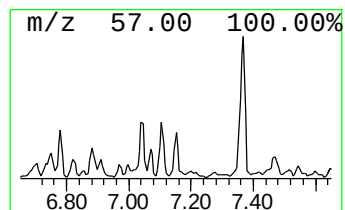
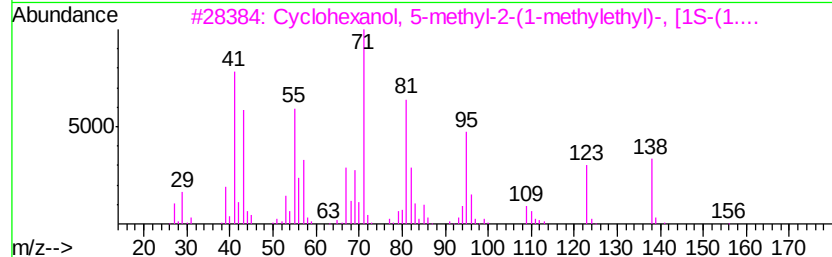
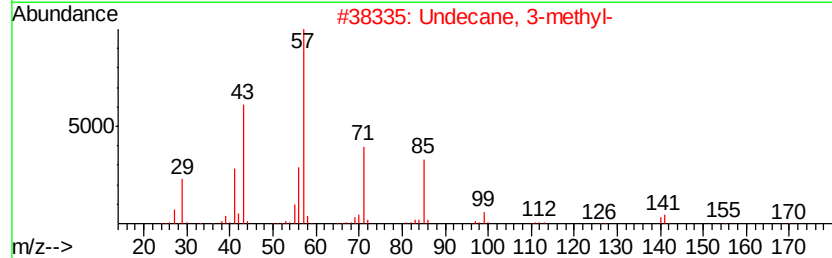
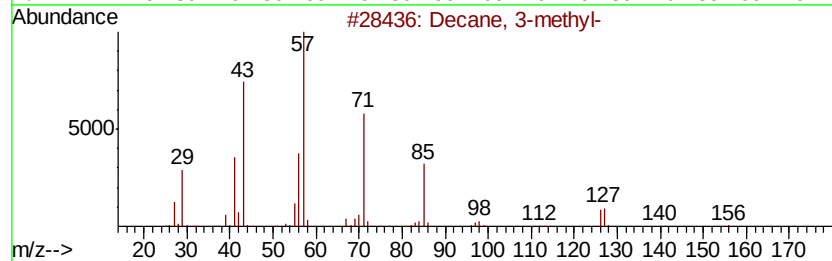
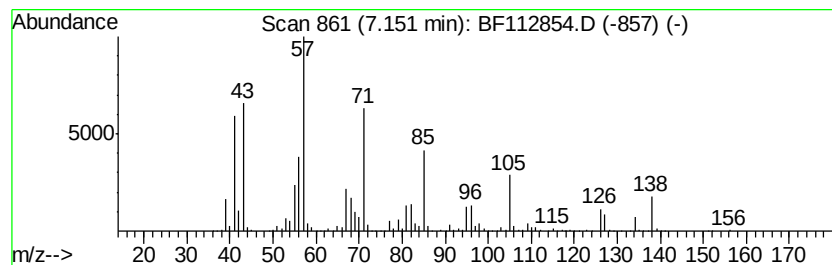
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 Peak Number 4 Decane, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	30.92 ng	3285420	1,4-Dichlorobenzene-d4	6.75
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 3-methyl-	156 C11H24	013151-34-3	92
2	Undecane, 3-methyl-	170 C12H26	001002-43-3	47
3	Cyclohexanol, 5-methyl-2-(1-meth...	156 C10H20O	002216-52-6	43
4	Nonane, 5-(2-methylpropyl)-	184 C13H28	062185-53-9	43
5	Sulfurous acid, 2-ethylhexyl hex...	278 C14H30O3S	1000309-20-2	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112854.D
Acq On : 5 Mar 2019 14:37
Operator : JU/SJ
Sample : K1727-08
Misc :
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Instrument :
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ClientSampleId :
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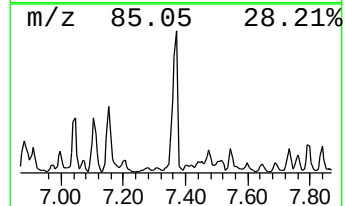
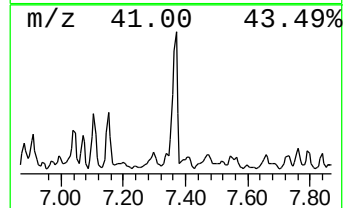
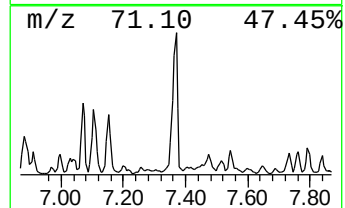
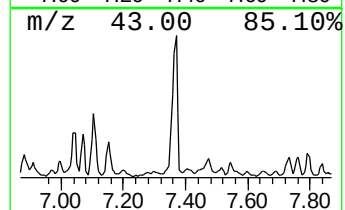
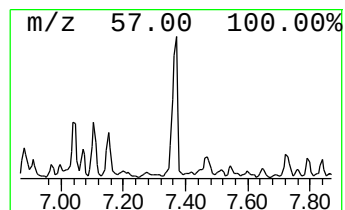
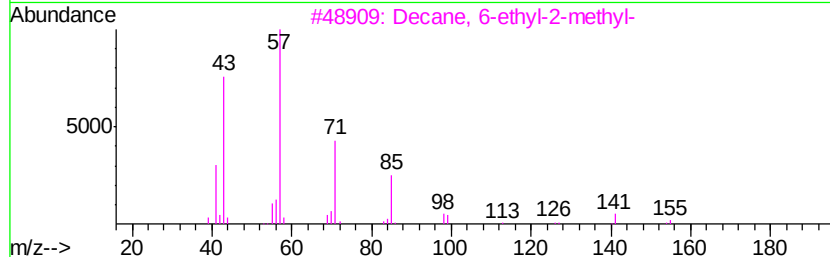
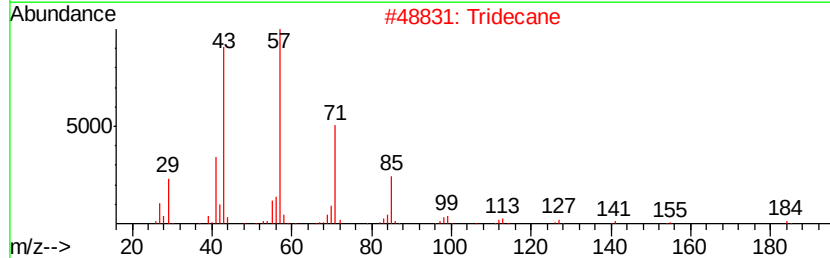
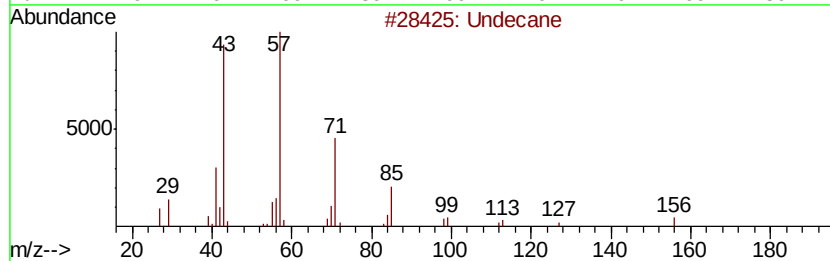
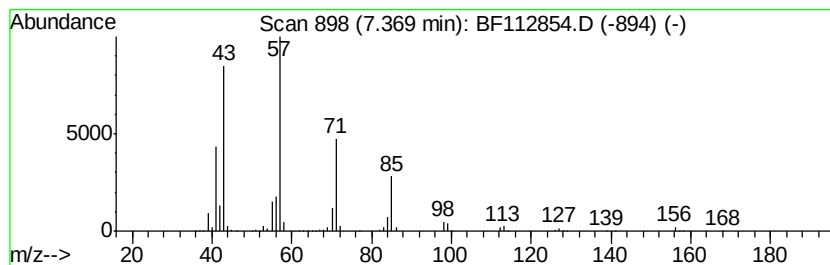
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Undecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	74.37 ng	7901990	1,4-Dichlorobenzene-d4	6.75

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	90
2	Tridecane		184	C13H28	000629-50-5	86
3	Decane, 6-ethyl-2-methyl-		184	C13H28	062108-21-8	83
4	Tetradecane		198	C14H30	000629-59-4	83
5	Hexadecane		226	C16H34	000544-76-3	78



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Data File : BF112854.D
Acq On : 5 Mar 2019 14:37
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ClientSampleId :
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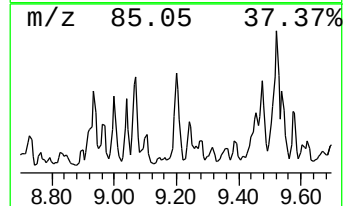
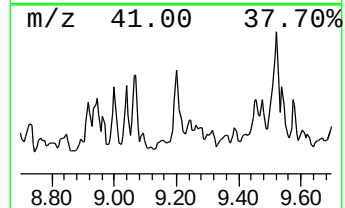
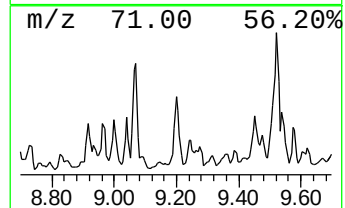
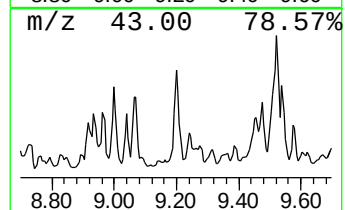
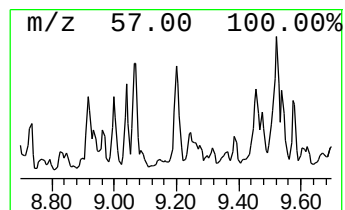
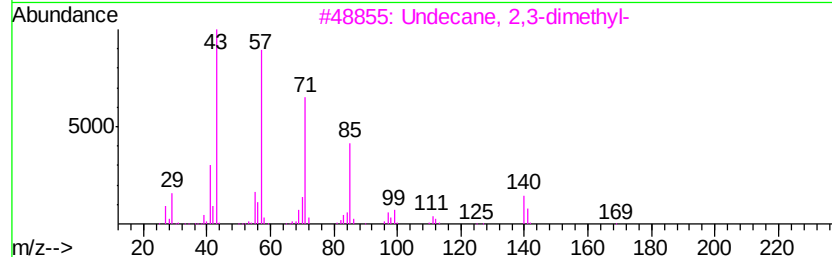
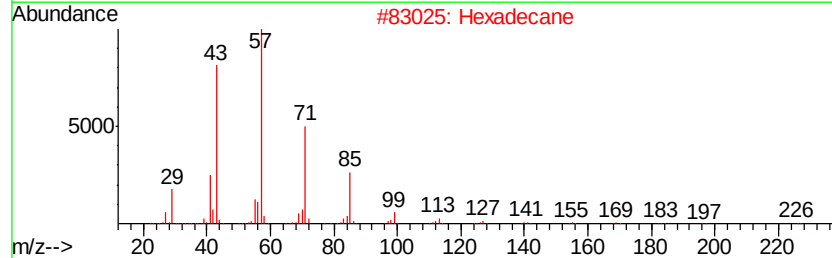
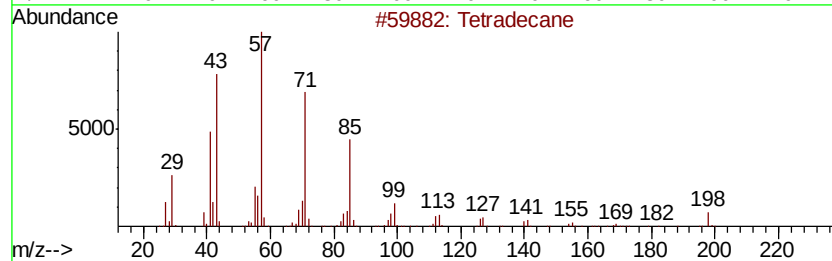
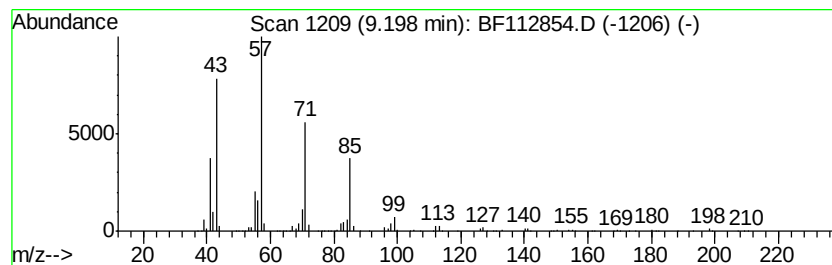
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tetradecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	34.06 ng	2950130	Acenaphthene-d10	9.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	95
2		Hexadecane	226	C16H34	000544-76-3	91
3		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	90
4		Undecane	156	C11H24	001120-21-4	86
5		Tridecane	184	C13H28	000629-50-5	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
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Operator : JU/SJ
Sample : K1727-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

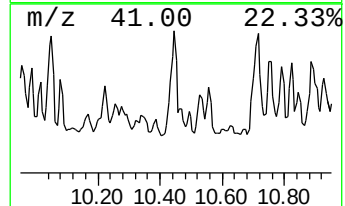
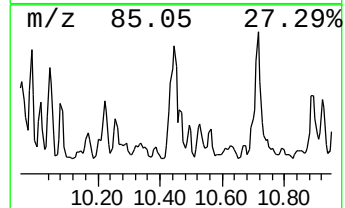
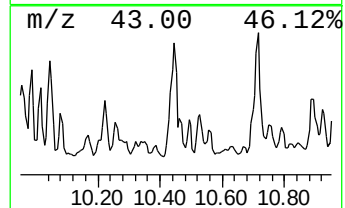
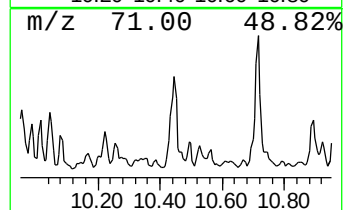
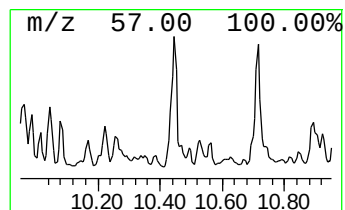
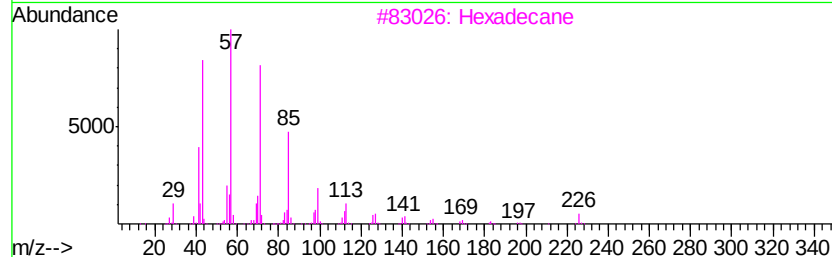
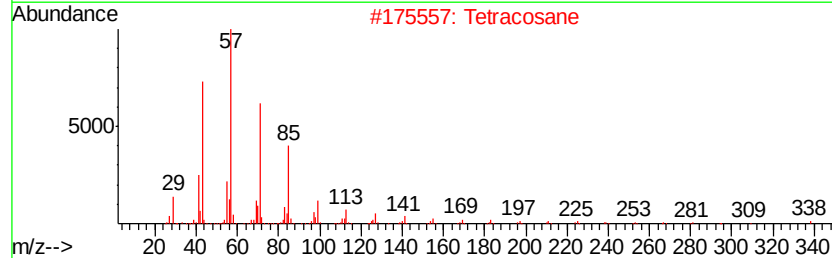
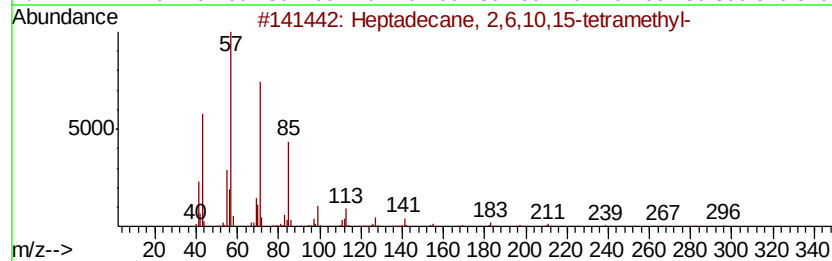
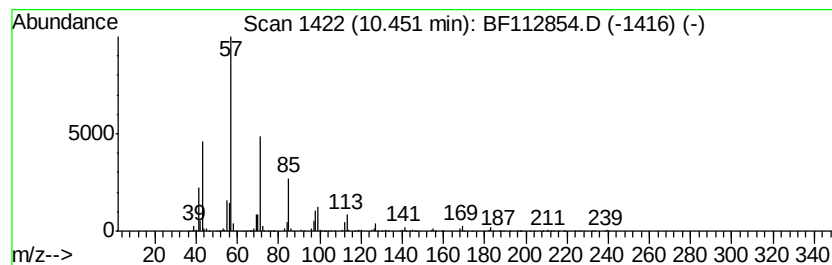
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptadecane, 2,6,10,15-tetr... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.45	40.51 ng	3508490	Acenaphthene-d10		9.78	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane,	2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
2	Tetracosane		338	C24H50	000646-31-1	80
3	Hexadecane		226	C16H34	000544-76-3	78
4	Heptadecane,	8-methyl-	254	C18H38	013287-23-5	72
5	Tridecane,	6-methyl-	198	C14H30	013287-21-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
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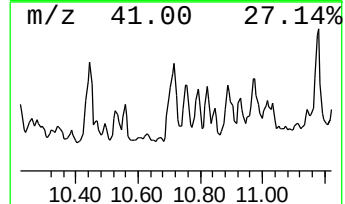
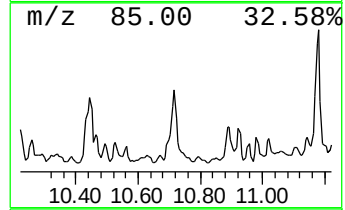
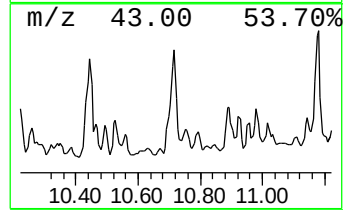
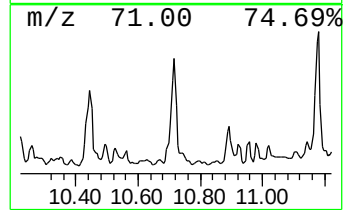
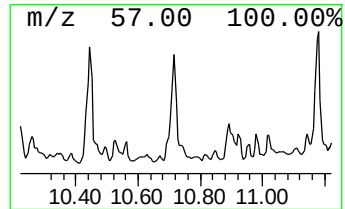
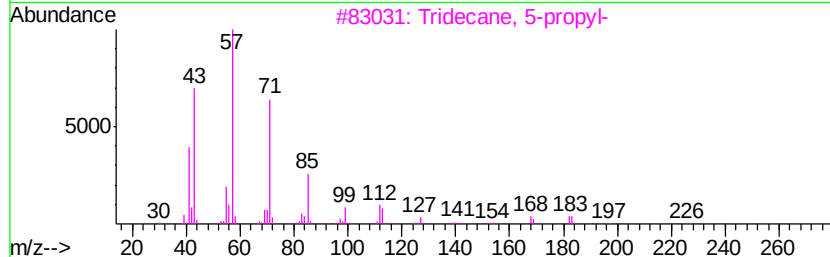
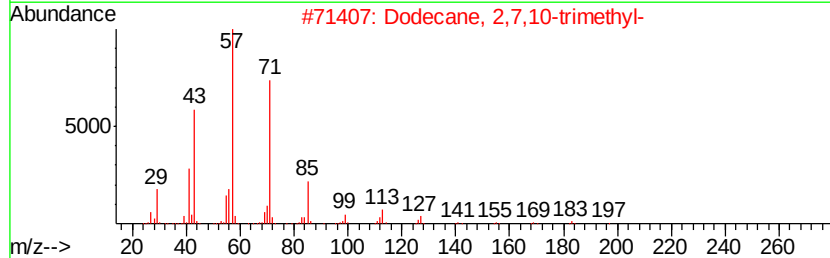
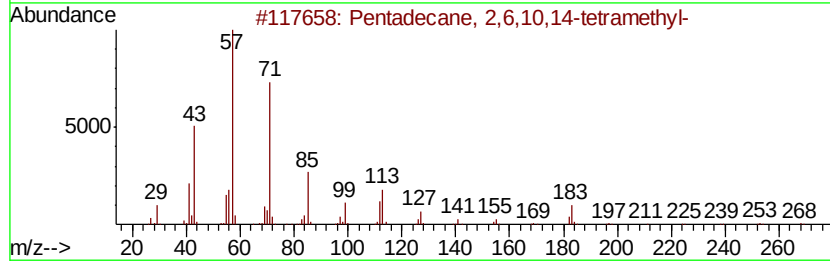
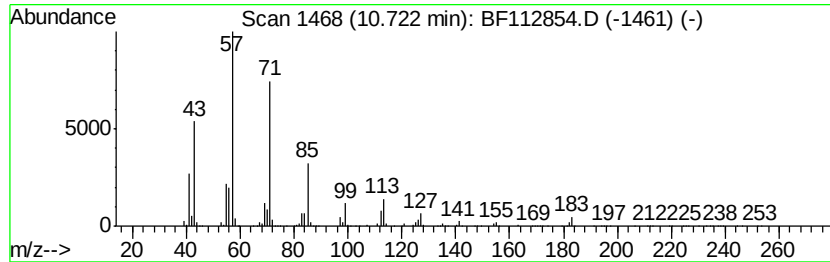
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.72	128.08 ng	5053290	Phenanthrene-d10		11.26	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3		Tridecane, 5-propyl-	226	C16H34	055045-11-9	78
4		Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	74
5		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	72



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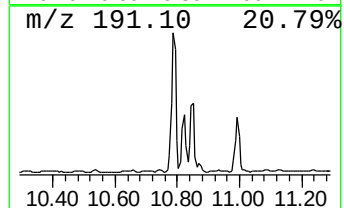
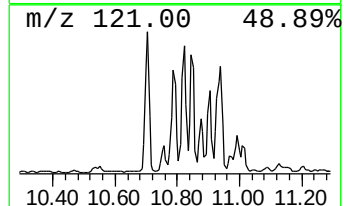
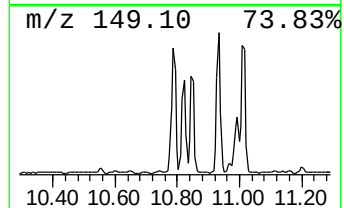
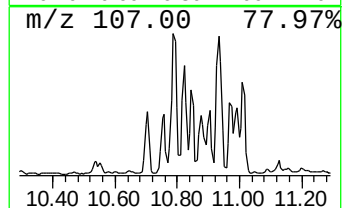
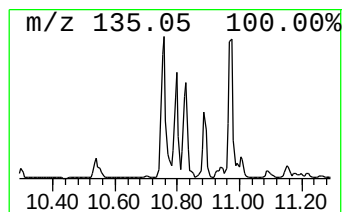
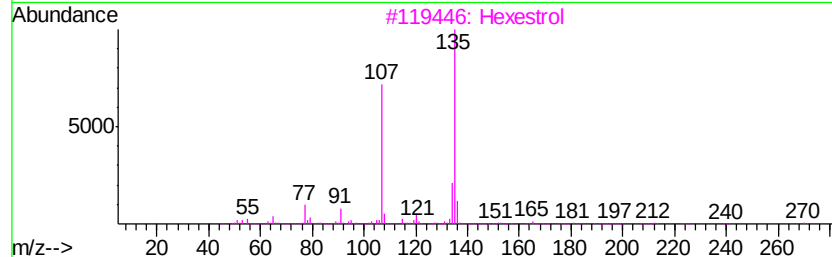
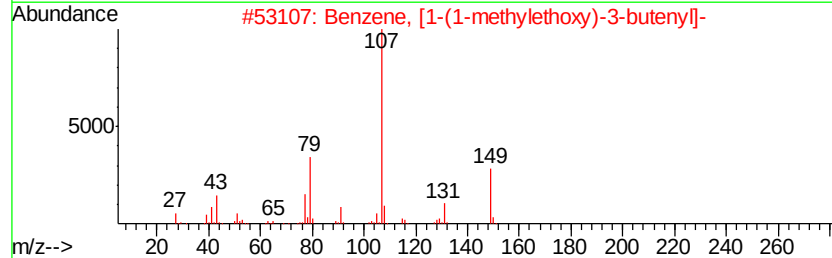
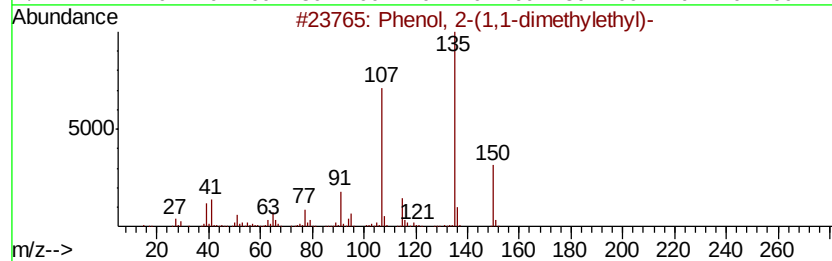
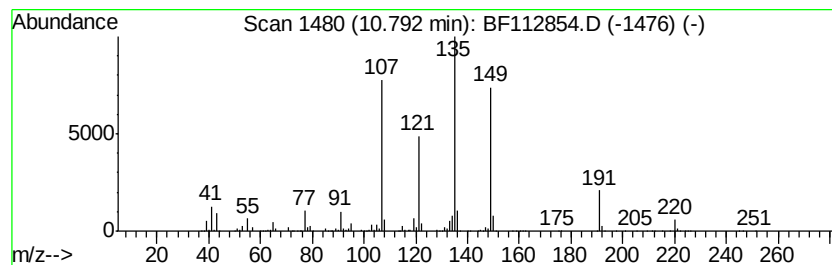
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown10.79 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.79	99.25 ng	3915890	Phenanthrene-d10	11.26	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	49
2	Benzene, [1-(1-methylethoxy)-3-b...	190	C13H18O	098088-47-2	43
3	Hexestrol	270	C18H22O2	000084-16-2	43
4	Hexestrol	270	C18H22O2	005635-50-7	43
5	((1,2-Diethylethylene)bis(p-phen...	354	C22H26O4	004547-76-6	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
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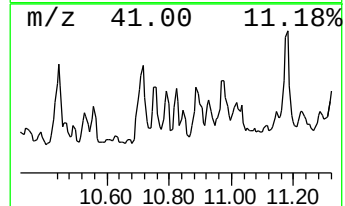
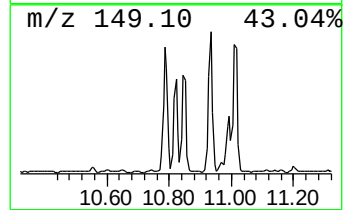
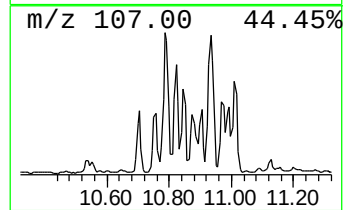
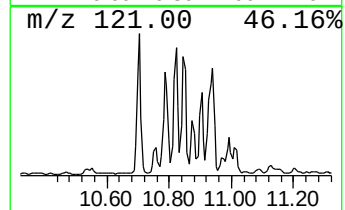
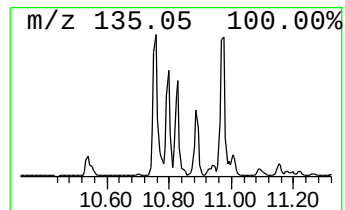
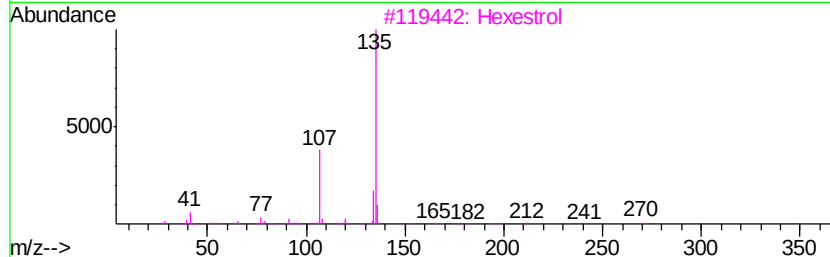
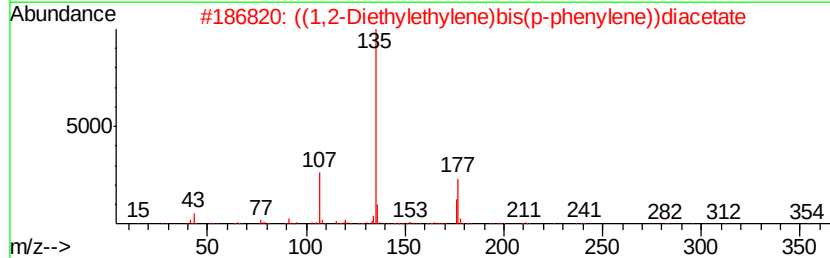
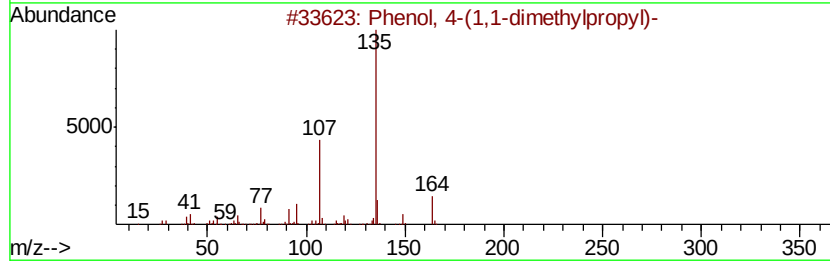
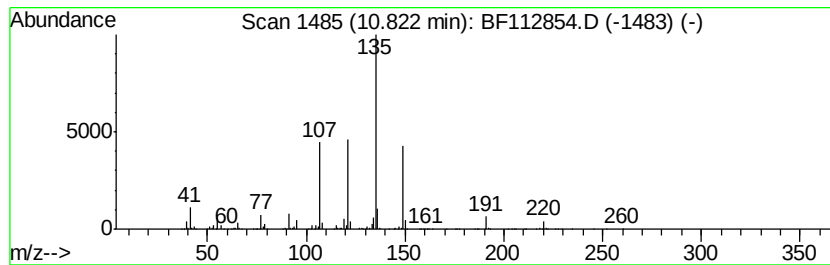
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenol, 4-(1,1-dimethylprop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	69.79 ng	2753520	Phenanthrene-d10	11.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	50
2		((1,2-Diethylethylene)bis(p-phen...	354	C22H26O4	004547-76-6	50
3		Hexestrol	270	C18H22O2	005635-50-7	47
4		Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	47
5		Benzene, 1-methoxy-4-(1-methylet...	150	C10H14O	004132-48-3	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
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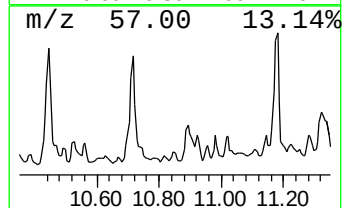
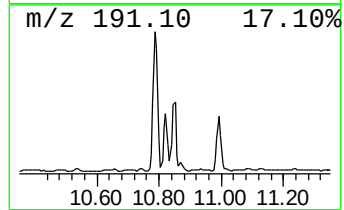
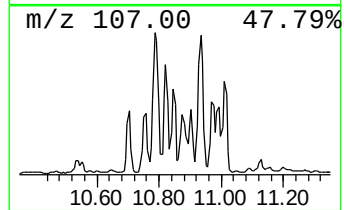
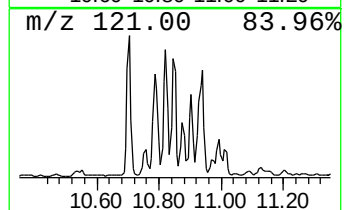
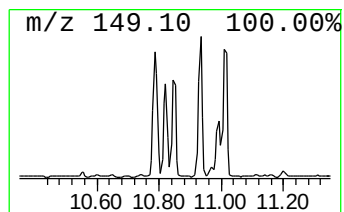
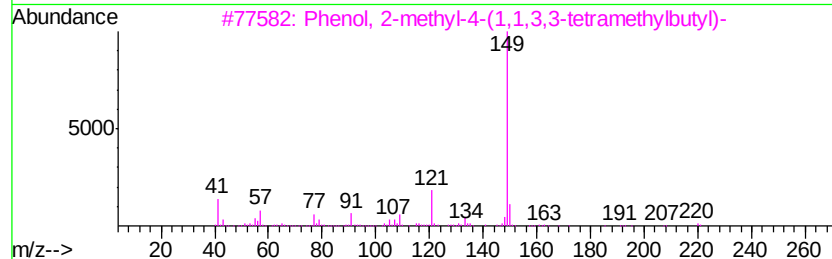
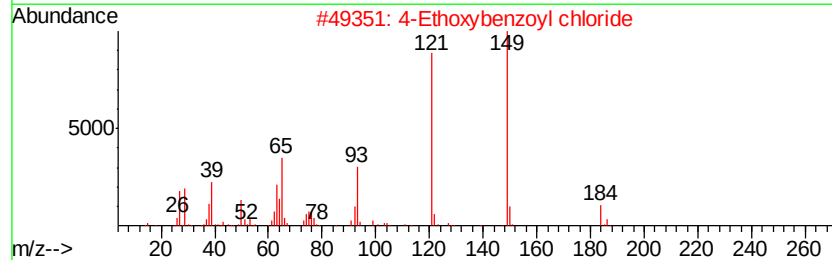
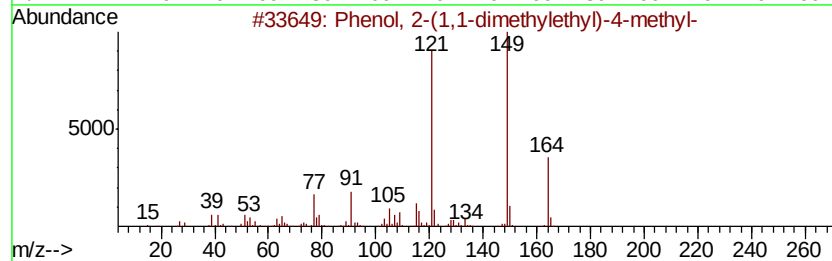
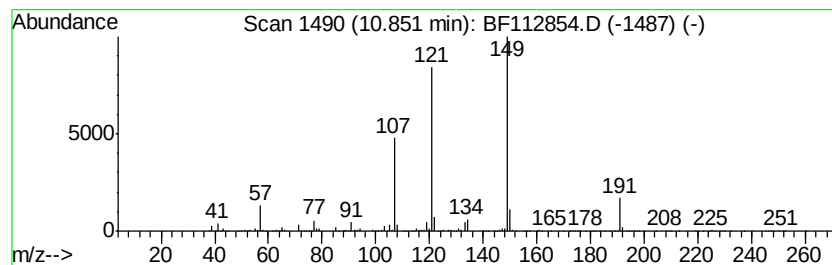
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenol, 2-(1,1-dimethylethy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.85	43.22 ng	1705280	Phenanthrene-d10	11.26		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(1,1-dimethylethyl)-4-...	164	C11H16O	002409-55-4	59	
2	4-Ethoxybenzoyl chloride	184	C9H9ClO2	016331-46-7	53	
3	Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	35	
4	Isoxazole, 4,5-dihydro-5-[(4-met...	191	C11H13NO2	1000362-14-0	30	
5	7-Methylthieno[3,2-b]pyridine	149	C8H7NS	013362-83-9	27	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
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Acq On : 5 Mar 2019 14:37
Operator : JU/SJ
Sample : K1727-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

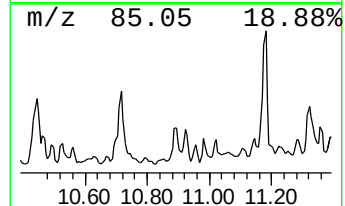
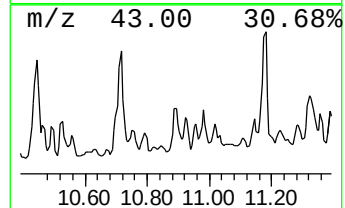
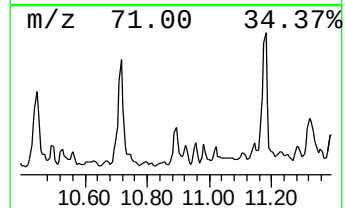
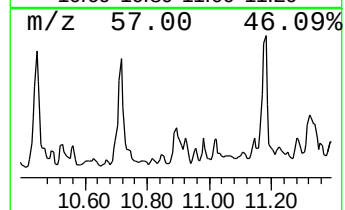
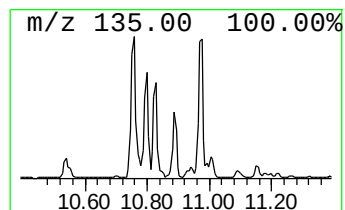
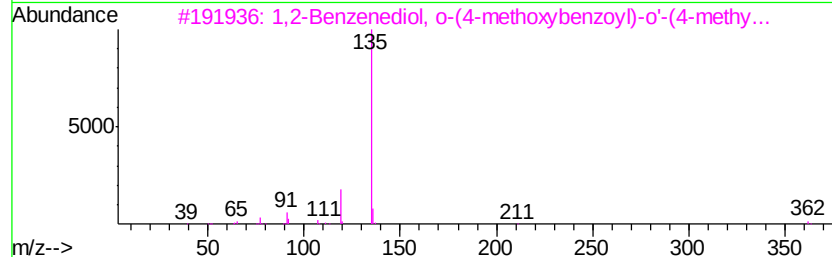
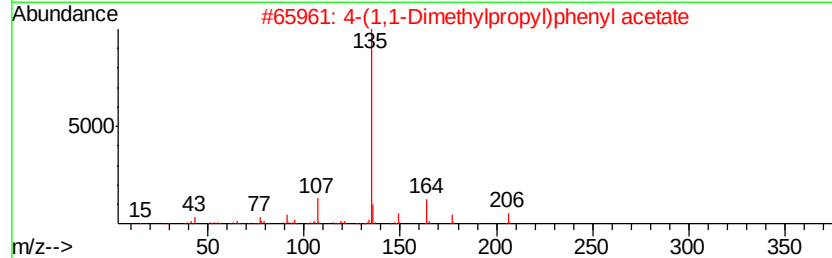
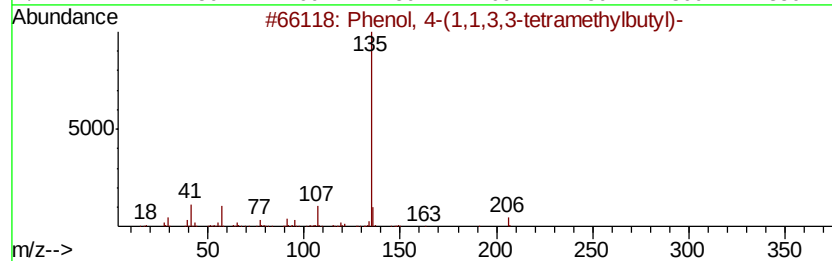
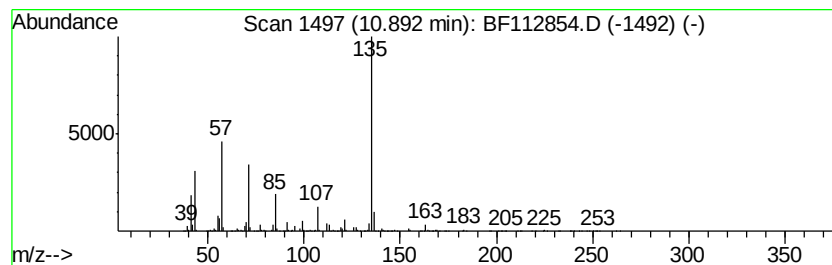
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.89	95.22 ng	3756700	Phenanthrene-d10	11.26		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	59	
2	4-(1,1-Dimethylpropyl)phenyl ace...	206	C13H18O2	1000373-45-3	53	
3	1,2-Benzenediol, o-(4-methoxyben...	362	C22H18O5	1000325-99-0	47	
4	Carbamic acid, N-[1,1-bis(triflu...	413	C19H25F6N02	296242-69-8	42	
5	5-Nitrothiophene-2-carboxaldehyd...	333	C16H19N3O3S	042826-31-3	42	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
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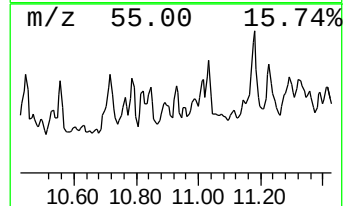
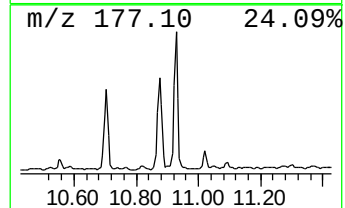
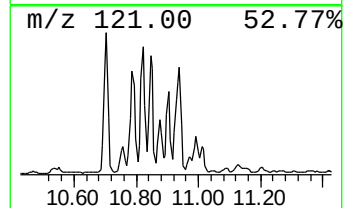
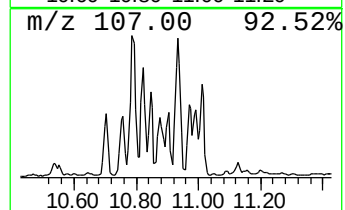
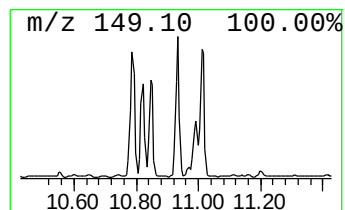
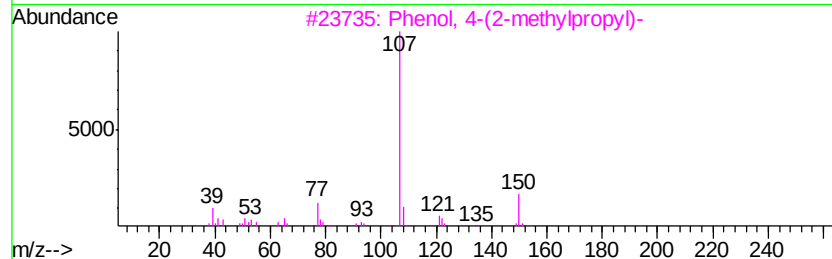
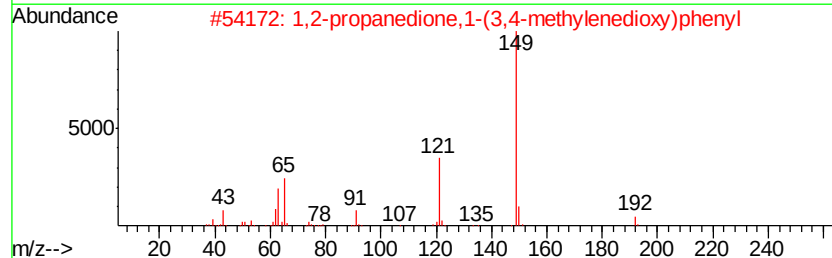
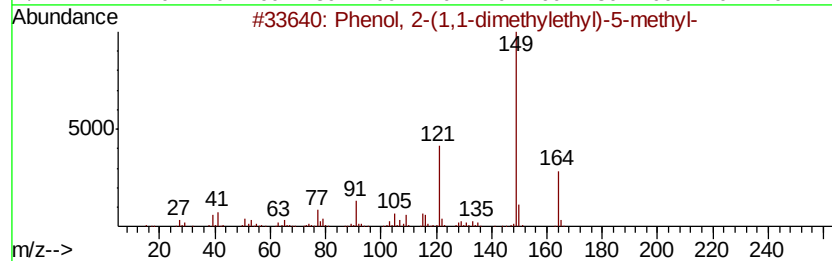
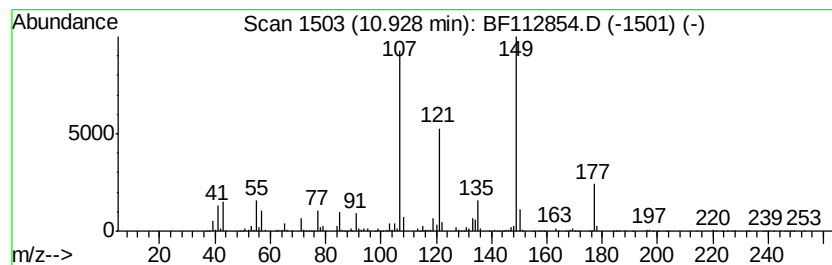
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown10.93 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	66.47 ng	2622300	Phenanthrene-d10	11.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 2-(1,1-dimethylethyl)-5-...	164	C11H16O	000088-60-8	38
2		1,2-propanedione,1-(3,4-methylen...	192	C10H8O4	1000378-93-0	35
3		Phenol, 4-(2-methylpropyl)-	150	C10H14O	004167-74-2	35
4		2H-Indol-2-one, 1,3-dihydro-5-hy...	149	C8H7NO2	003416-18-0	35
5		Phenol, 4-(1,1-dimethylethyl)-2-...	164	C11H16O	000098-27-1	32



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
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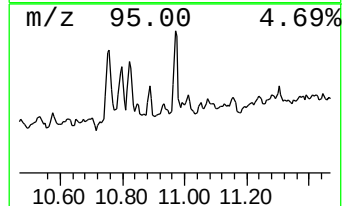
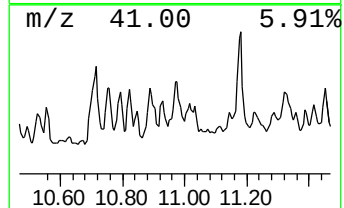
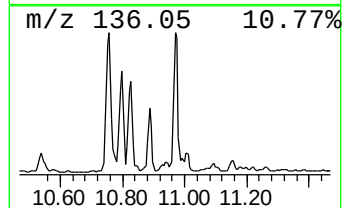
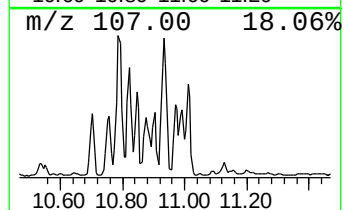
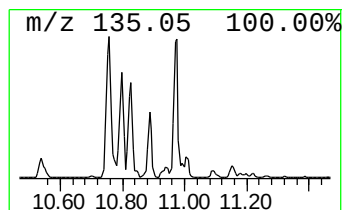
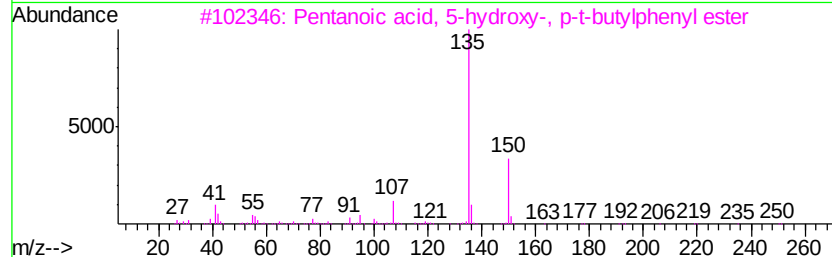
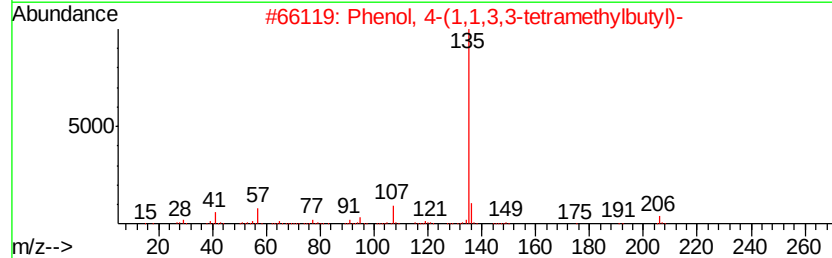
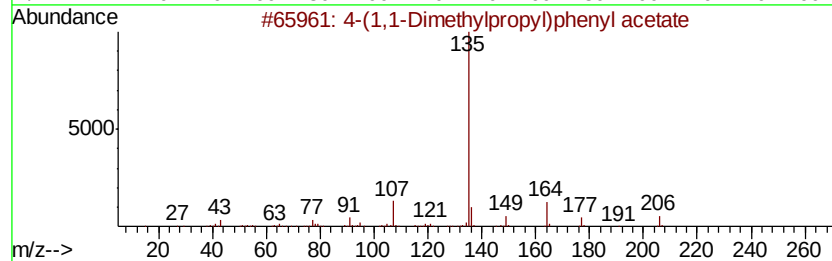
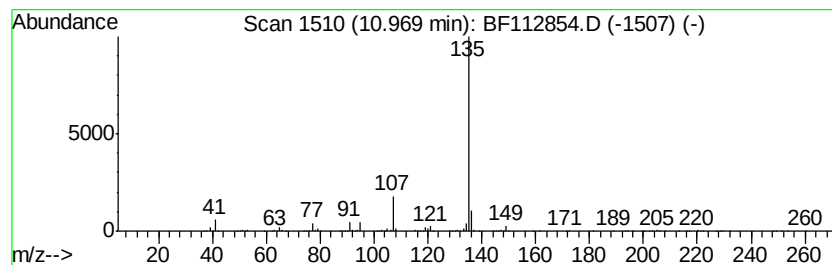
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 4-(1,1-Dimethylpropyl)pheny... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.97	67.08 ng	2646520	Phenanthrene-d10	11.26	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(1,1-Dimethylpropyl)phenyl ace...	206	C13H18O2	1000373-45-3	83
2	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	78
3	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	64
4	Carbamic acid, N-[1,1-bis(triflu...	413	C19H25F6N02	296242-69-8	64
5	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
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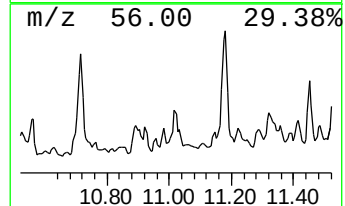
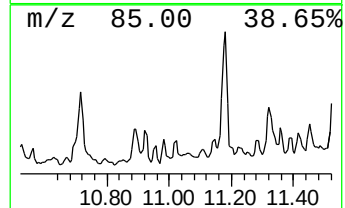
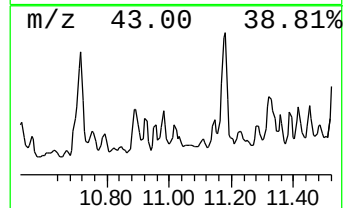
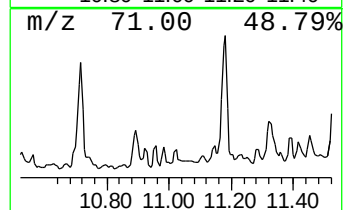
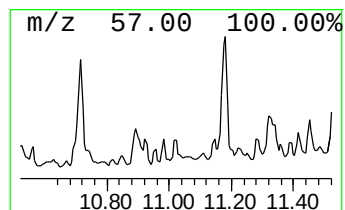
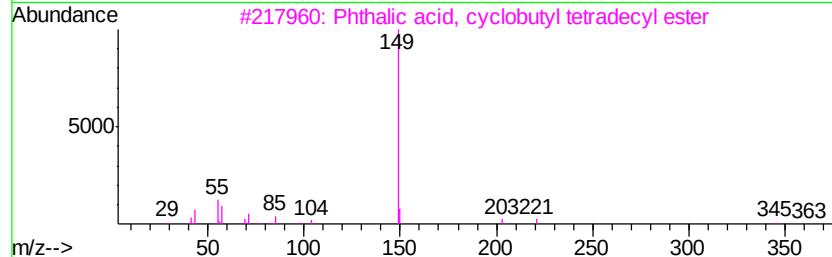
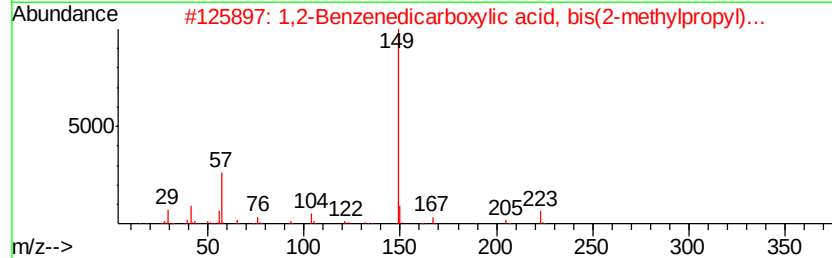
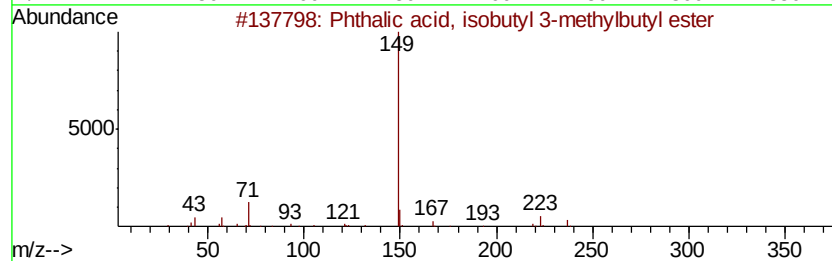
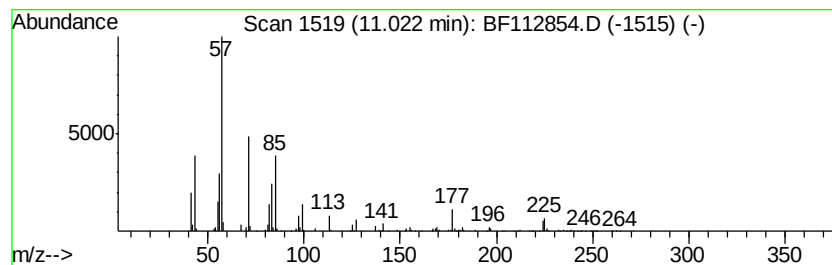
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown11.02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	32.85 ng	1296180	Phenanthrene-d10	11.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phthalic acid, isobutyl 3-methyl...	292	C17H24O4	1000356-80-3	47
2		1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	43
3		Phthalic acid, cyclobutyl tetrad...	416	C26H40O4	1000314-90-9	40
4		Phthalic acid, monoamide, N-ethy...	437	C28H39NO3	1000309-86-5	38
5		Phthalic acid, butyl 2-methylpen...	306	C18H26O4	1000356-90-8	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
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Misc :
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ClientSampleId :
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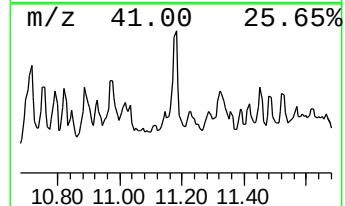
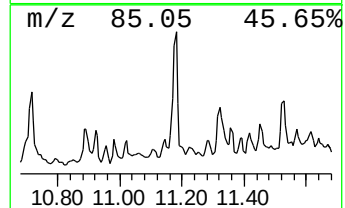
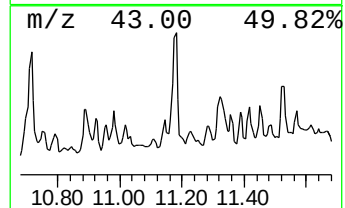
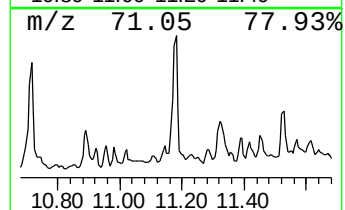
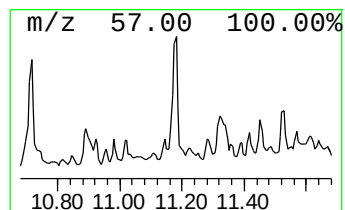
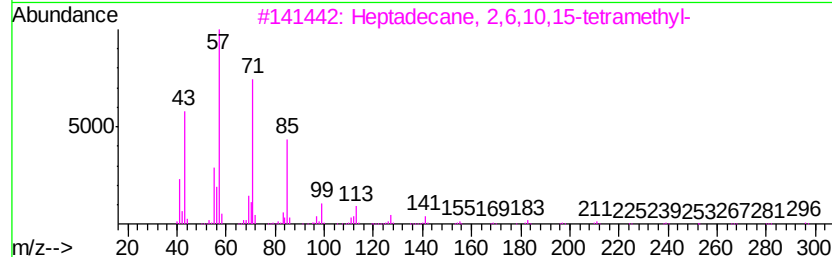
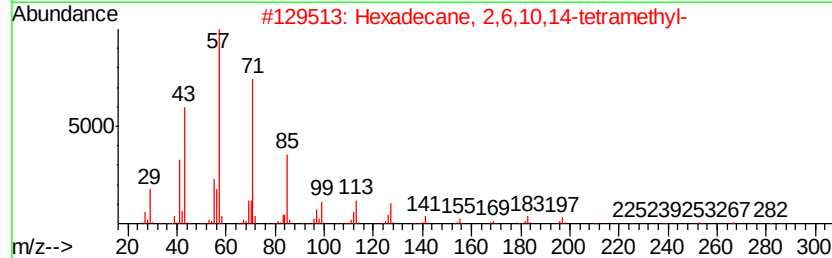
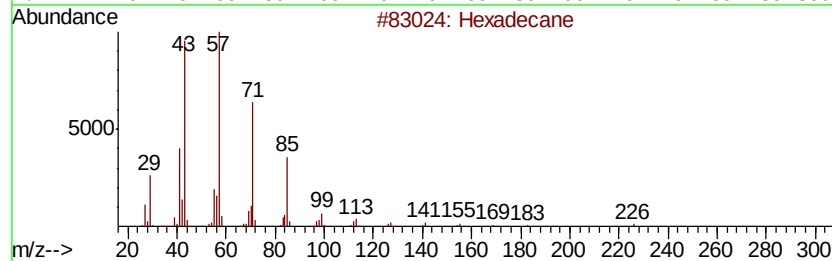
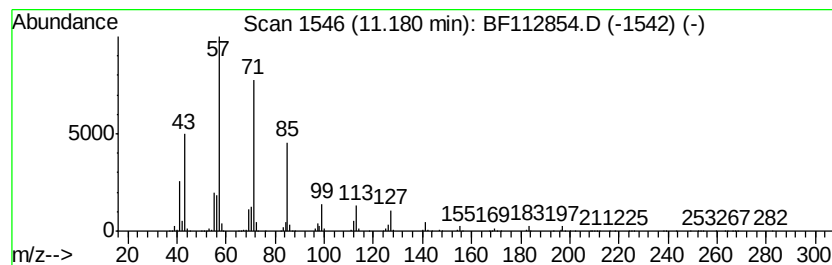
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Hexadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	104.35 ng	4116880	Phenanthrene-d10	11.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	90
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
4		Heneicosane	296	C21H44	000629-94-7	86
5		Tridecane, 5-propyl-	226	C16H34	055045-11-9	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
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Misc :
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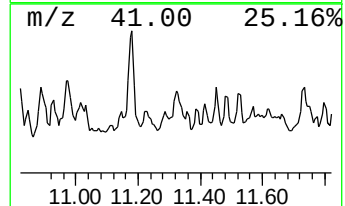
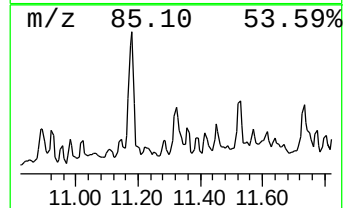
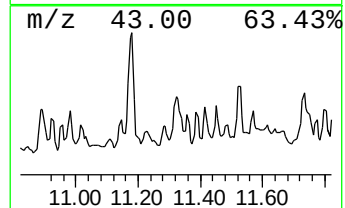
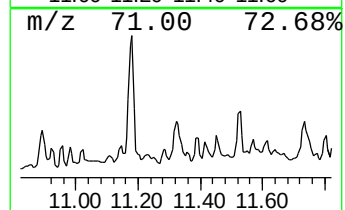
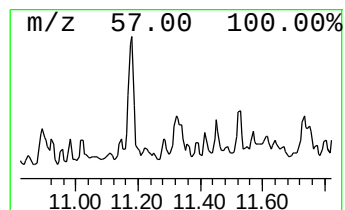
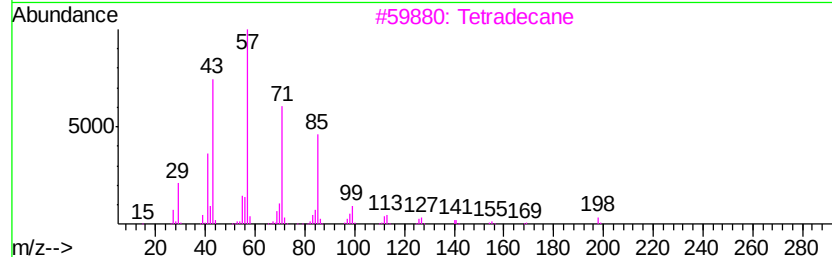
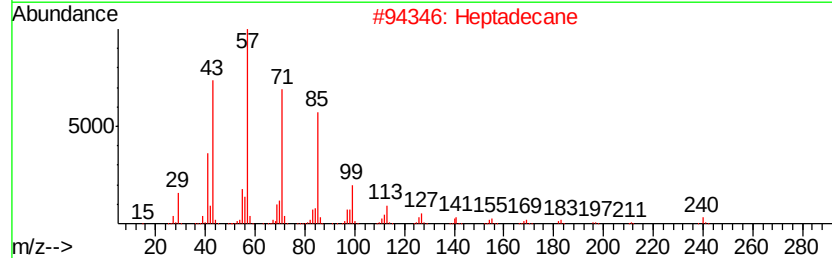
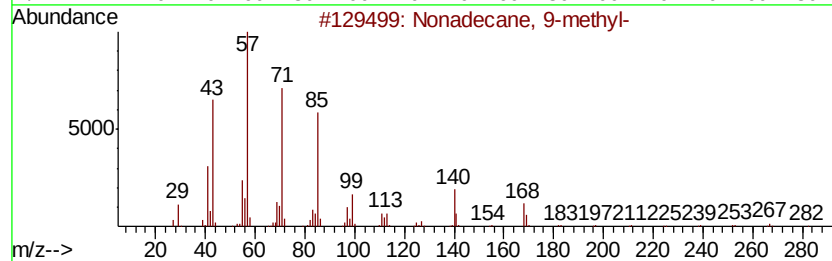
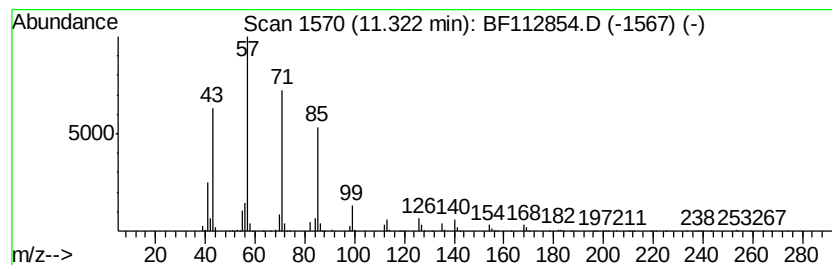
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Nonadecane, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	42.14 ng	1662580	Phenanthrene-d10	11.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	86
2		Heptadecane	240	C17H36	000629-78-7	78
3		Tetradecane	198	C14H30	000629-59-4	78
4		Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	52
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
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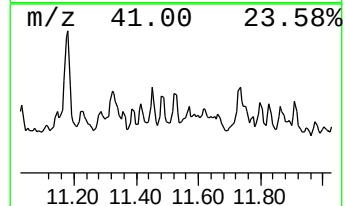
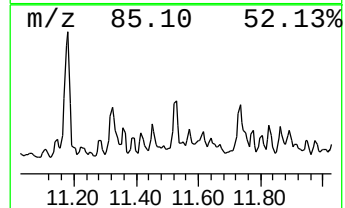
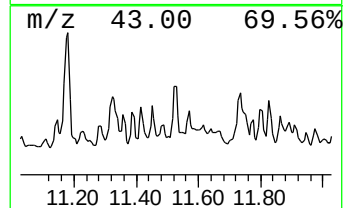
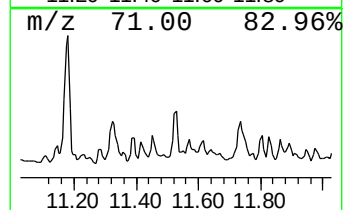
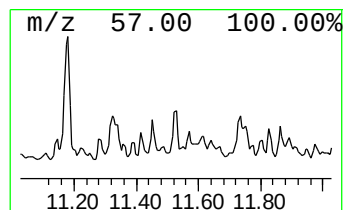
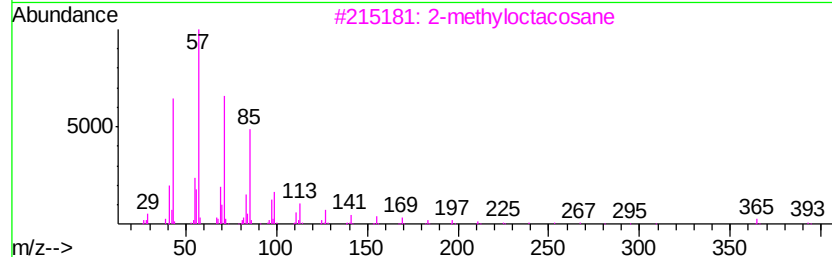
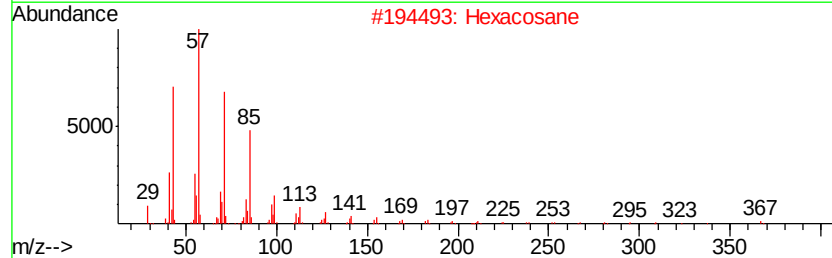
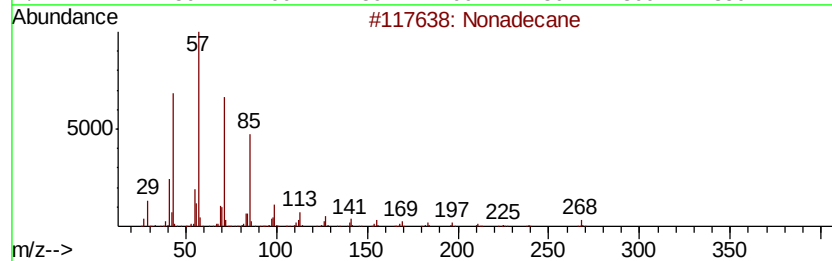
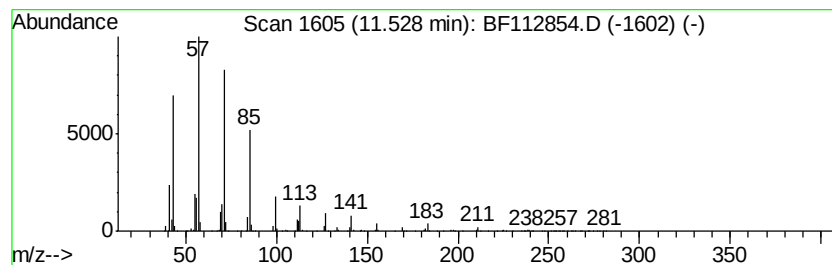
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BNA_F
ClientSampleId :
DUP-1

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

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

Peak Number 19 Nonadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.53	32.12 ng	1267250	Phenanthrene-d10		11.26	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonadecane	268	C19H40	000629-92-5	91
2		Hexacosane	366	C26H54	000630-01-3	91
3		2-methyloctacosane	408	C29H60	1000376-72-8	91
4		Heneicosane	296	C21H44	000629-94-7	91
5		Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112854.D
Acq On : 5 Mar 2019 14:37
Operator : JU/SJ
Sample : K1727-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

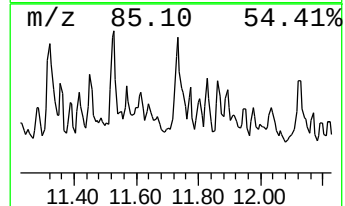
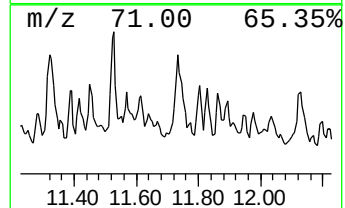
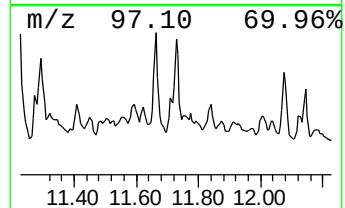
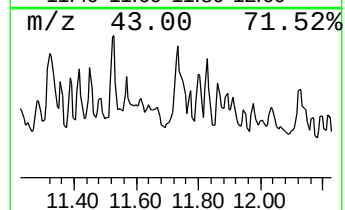
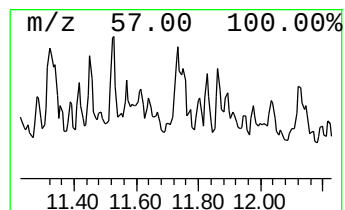
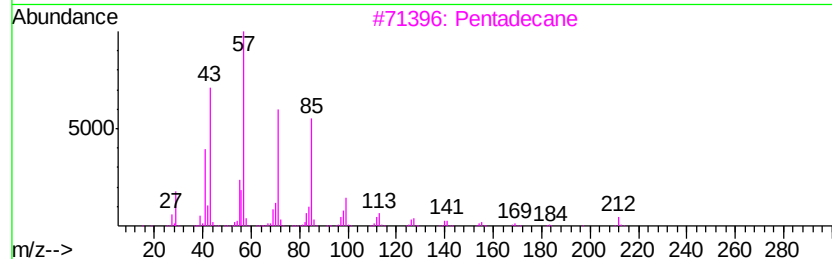
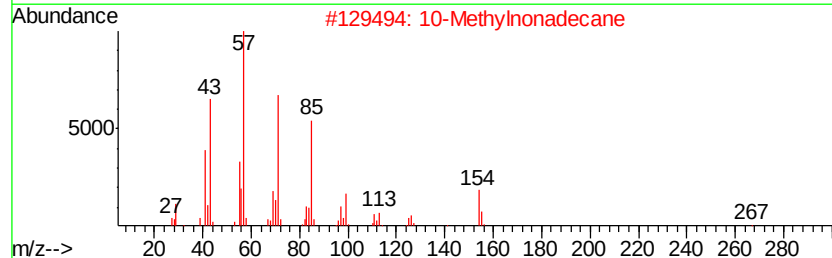
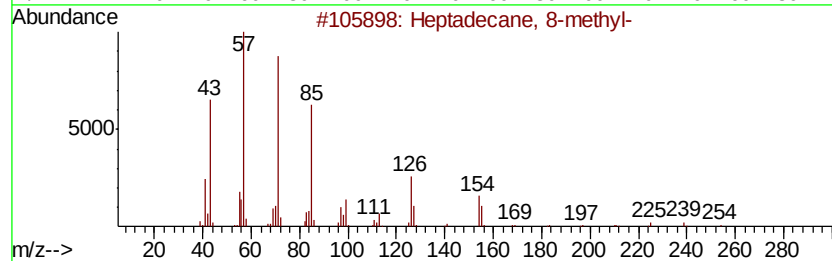
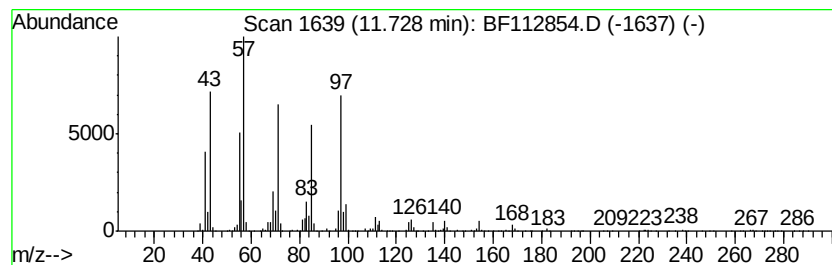
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Heptadecane, 8-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	48.58 ng	1916850	Phenanthrene-d10	11.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	86
2		10-Methylnonadecane	282	C20H42	056862-62-5	62
3		Pentadecane	212	C15H32	000629-62-9	58
4		Octadecane	254	C18H38	000593-45-3	53
5		Decane, 5-propyl-	184	C13H28	017312-62-8	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030519\
 Data File : BF112854.D
 Acq On : 5 Mar 2019 14:37
 Operator : JU/SJ
 Sample : K1727-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.51	6.51	29.4	ng	3127960	1	6.75	2125080	20.0
Decane	6.60	64.3	ng	6828860	1	6.75	2125080	20.0
Decane, 3-methyl-	7.15	30.9	ng	3285420	1	6.75	2125080	20.0
Undecane	7.37	74.4	ng	7901990	1	6.75	2125080	20.0
Tetradecane	9.20	34.1	ng	2950130	3	9.78	1732270	20.0
Heptadecane, 2,6,...	10.45	40.5	ng	3508490	3	9.78	1732270	20.0
Pentadecane, 2,6,...	10.72	128.1	ng	5053290	4	11.26	789073	20.0
unknown10.79	10.79	99.3	ng	3915890	4	11.26	789073	20.0
Phenol, 4-(1,1-di...	10.82	69.8	ng	2753520	4	11.26	789073	20.0
Phenol, 2-(1,1-di...	10.85	43.2	ng	1705280	4	11.26	789073	20.0
Phenol, 4-(1,1,3,...	10.89	95.2	ng	3756700	4	11.26	789073	20.0
unknown10.93	10.93	66.5	ng	2622300	4	11.26	789073	20.0
4-(1,1-Dimethylpr...	10.97	67.1	ng	2646520	4	11.26	789073	20.0
unknown11.02	11.02	32.9	ng	1296180	4	11.26	789073	20.0
Hexadecane	11.18	104.3	ng	4116880	4	11.26	789073	20.0
Nonadecane, 9-met...	11.32	42.1	ng	1662580	4	11.26	789073	20.0
Nonadecane	11.53	32.1	ng	1267250	4	11.26	789073	20.0
Heptadecane, 8-me...	11.73	48.6	ng	1916850	4	11.26	789073	20.0