

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111918\
 Data File : BF110862.D
 Acq On : 19 Nov 2018 19:20
 Operator : JU/SJ
 Sample : J5993-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20180927-WCC-3-COMPOSITE

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-BF110818.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.240	21	26	34	rVB	95111	129580	8.22%	0.717%
2	4.998	491	495	499	rVB	27854	27453	1.74%	0.152%
3	5.081	503	509	511	rBV	27857	37559	2.38%	0.208%
4	5.157	517	522	524	rBV	28585	33065	2.10%	0.183%
5	5.181	524	526	531	rVB	32766	36861	2.34%	0.204%
6	5.345	550	554	559	rBV2	25504	41586	2.64%	0.230%
7	5.534	583	586	588	rBV2	26784	29104	1.85%	0.161%
8	5.563	588	591	601	rVV	1375521	1427442	90.56%	7.900%
9	5.704	612	615	621	rVB3	20797	34900	2.21%	0.193%
10	5.792	626	630	637	rVB3	35000	45007	2.86%	0.249%
11	5.963	649	659	661	rBV3	30712	49572	3.15%	0.274%
12	5.992	661	664	669	rBV3	19273	27105	1.72%	0.150%
13	6.169	691	694	696	rBV	69326	74883	4.75%	0.414%
14	6.228	702	704	707	rVB	41006	35371	2.24%	0.196%
15	6.363	723	727	731	rBV4	30782	50977	3.23%	0.282%
16	6.416	731	736	740	rVB4	28796	43221	2.74%	0.239%
17	6.463	740	744	748	rBV3	54641	79806	5.06%	0.442%
18	6.569	759	762	770	rVV	1425128	1564570	99.26%	8.659%
19	6.669	775	779	782	rVV3	28661	48408	3.07%	0.268%
20	6.710	782	786	791	rVB	1699600	1576205	100.00%	8.723%
21	6.763	791	795	798	rBV3	32205	41207	2.61%	0.228%
22	6.886	813	816	818	rBV4	22849	27577	1.75%	0.153%
23	6.939	821	825	832	rVV2	419811	403389	25.59%	2.233%
24	7.045	839	843	845	rVB3	22750	27137	1.72%	0.150%
25	7.069	845	847	849	rBV2	37692	41921	2.66%	0.232%
26	7.098	849	852	859	rVB	1169968	1045037	66.30%	5.784%
27	7.198	863	869	872	rBV4	67749	82906	5.26%	0.459%
28	7.251	875	878	884	rVB2	45132	57734	3.66%	0.320%
29	7.351	893	895	900	rVB4	27629	35052	2.22%	0.194%
30	7.463	909	914	918	rVB3	56673	70708	4.49%	0.391%
31	7.510	918	922	928	rBV	863824	918815	58.29%	5.085%
32	7.575	931	933	936	rVB3	44409	40007	2.54%	0.221%
33	7.622	936	941	944	rBV5	33288	48154	3.06%	0.267%
34	7.698	952	954	957	rBV	41391	36714	2.33%	0.203%

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35	7.739	957	961	966	rVB4	46369	76046	4.82%	0.421%
36	7.828	968	976	978	rBV5	47151	79636	5.05%	0.441%
37	7.863	978	982	985	rBV2	31825	51579	3.27%	0.285%
38	7.951	995	997	1000	rBV3	30085	31930	2.03%	0.177%
39	7.980	1000	1002	1006	rVB4	33838	41842	2.65%	0.232%
40	8.028	1006	1010	1013	rBV3	33480	42762	2.71%	0.237%
41	8.080	1016	1019	1022	rBV	45489	37501	2.38%	0.208%
42	8.222	1040	1043	1048	rBV	457434	442206	28.06%	2.447%
43	8.263	1048	1050	1053	rVB	157843	122293	7.76%	0.677%
44	8.298	1053	1056	1061	rVB3	45529	54993	3.49%	0.304%
45	8.416	1074	1076	1078	rVB2	36907	27068	1.72%	0.150%
46	8.498	1087	1090	1095	rVB4	88591	113156	7.18%	0.626%
47	8.545	1095	1098	1100	rBV3	26867	37090	2.35%	0.205%
48	8.622	1109	1111	1114	rVB	118474	78595	4.99%	0.435%
49	8.651	1114	1116	1119	rBV2	33603	28165	1.79%	0.156%
50	8.722	1125	1128	1130	rBV3	37896	34671	2.20%	0.192%
51	8.751	1130	1133	1135	rVV2	26232	29674	1.88%	0.164%
52	8.886	1154	1156	1163	rVB3	47085	67520	4.28%	0.374%
53	9.039	1180	1182	1184	rBV2	34534	34190	2.17%	0.189%
54	9.116	1193	1195	1199	rVB4	39716	47875	3.04%	0.265%
55	9.157	1199	1202	1206	rBV5	32189	41488	2.63%	0.230%
56	9.204	1207	1210	1211	rBV3	28684	27440	1.74%	0.152%
57	9.222	1211	1213	1216	rVV	116852	86261	5.47%	0.477%
58	9.245	1216	1217	1220	rVB3	34969	26040	1.65%	0.144%
59	9.298	1221	1226	1234	rBV	1574638	1446793	91.79%	8.007%
60	9.369	1234	1238	1242	rBV2	72833	89008	5.65%	0.493%
61	9.569	1269	1272	1275	rVB3	38082	42940	2.72%	0.238%
62	9.639	1281	1284	1287	rVB	62763	54317	3.45%	0.301%
63	9.680	1287	1291	1295	rBV3	318313	334041	21.19%	1.849%
64	9.769	1303	1306	1311	rVB5	50464	90608	5.75%	0.501%
65	9.839	1315	1318	1320	rBV2	75123	60034	3.81%	0.332%
66	9.886	1323	1326	1328	rVB3	82416	77015	4.89%	0.426%
67	9.927	1331	1333	1335	rBV3	39881	38784	2.46%	0.215%
68	9.957	1335	1338	1340	rVV3	52232	45380	2.88%	0.251%
69	9.986	1340	1343	1347	rVV	483002	474592	30.11%	2.627%
70	10.022	1347	1349	1355	rVB5	56406	82885	5.26%	0.459%
71	10.086	1355	1360	1363	rBV4	54382	91025	5.77%	0.504%

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72	10.151	1369	1371	1373	rBV	38486	26744	1.70%	0.148%
73	10.180	1373	1376	1378	rVV2	63736	64744	4.11%	0.358%
74	10.221	1379	1383	1388	rVB4	84705	106287	6.74%	0.588%
75	10.298	1393	1396	1399	rBV	81813	106213	6.74%	0.588%
76	10.327	1399	1401	1405	rVB3	79661	86276	5.47%	0.477%
77	10.386	1407	1411	1413	rBV4	88642	96750	6.14%	0.535%
78	10.421	1413	1417	1419	rBV3	28672	39435	2.50%	0.218%
79	10.521	1432	1434	1436	rVB2	45743	32071	2.03%	0.177%
80	10.551	1436	1439	1442	rVB4	52670	55390	3.51%	0.307%
81	10.610	1445	1449	1452	rBV	211236	226746	14.39%	1.255%
82	10.780	1474	1478	1484	rBV	904379	934668	59.30%	5.173%
83	10.874	1491	1494	1502	rVB	347502	401606	25.48%	2.223%
84	10.963	1507	1509	1515	rBV5	36010	64508	4.09%	0.357%
85	11.116	1533	1535	1538	rBV3	47862	53204	3.38%	0.294%
86	11.198	1546	1549	1550	rBV3	44344	46945	2.98%	0.260%
87	11.339	1570	1573	1577	rBV	230412	216942	13.76%	1.201%
88	11.480	1594	1597	1600	rBV	456117	386830	24.54%	2.141%
89	11.692	1630	1633	1636	rBV	59171	69412	4.40%	0.384%
90	11.980	1680	1682	1686	rBV3	88317	101575	6.44%	0.562%
91	12.457	1761	1763	1765	rBV	54525	38504	2.44%	0.213%
92	12.533	1773	1776	1778	rBV2	101461	98368	6.24%	0.544%
93	12.615	1788	1790	1792	rBV3	35724	33648	2.13%	0.186%
94	12.698	1802	1804	1806	rBV2	39992	39075	2.48%	0.216%
95	12.933	1842	1844	1849	rVB2	77901	90069	5.71%	0.498%
96	12.980	1850	1852	1856	rVB	60969	54316	3.45%	0.301%
97	13.062	1862	1866	1869	rBV	1316730	1085246	68.85%	6.006%
98	13.933	2012	2014	2018	rBV	62516	67285	4.27%	0.372%
99	14.133	2045	2048	2054	rVB	380073	350795	22.26%	1.941%
100	15.668	2306	2309	2315	rVB	184643	238573	15.14%	1.320%

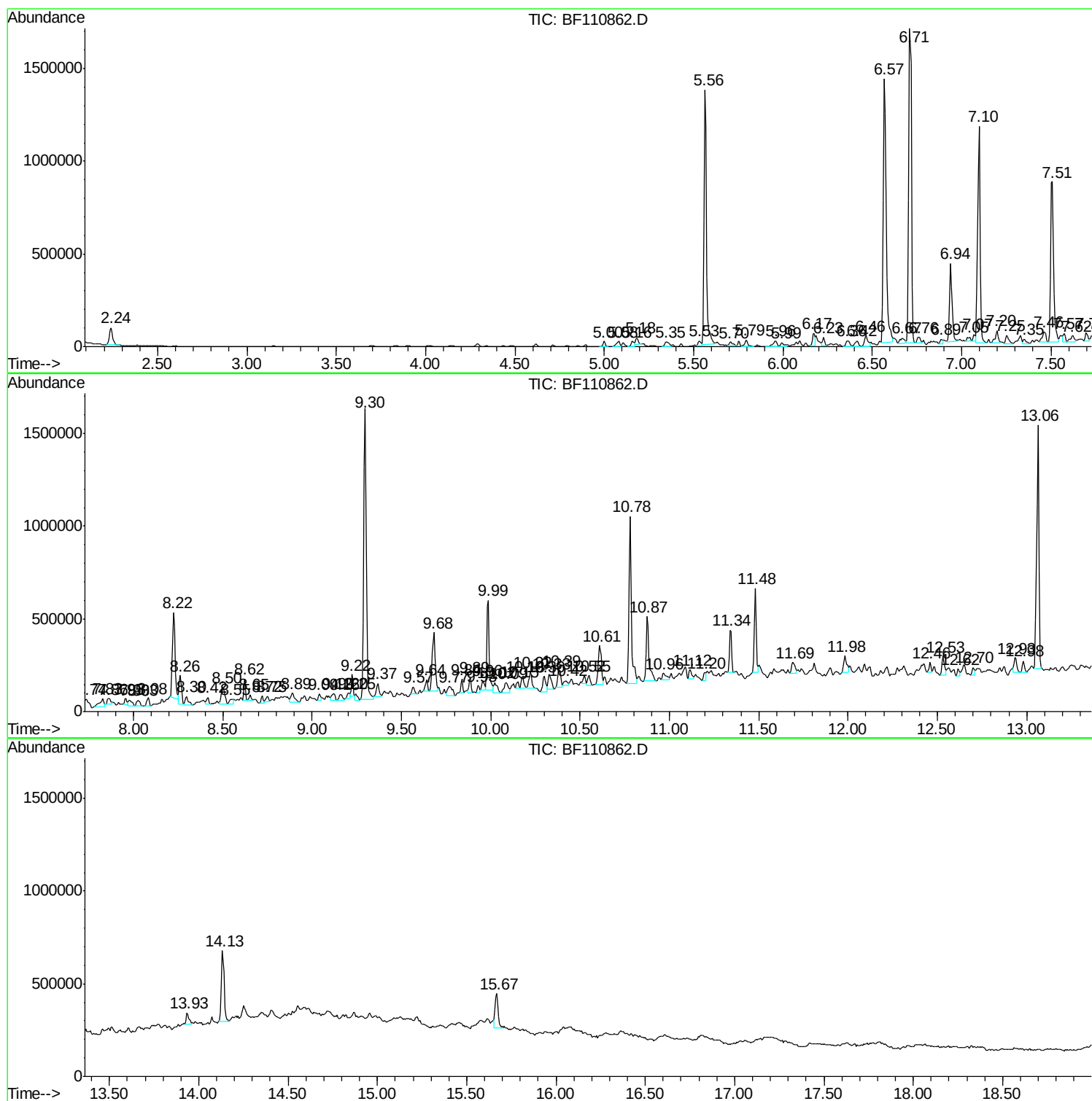
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ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.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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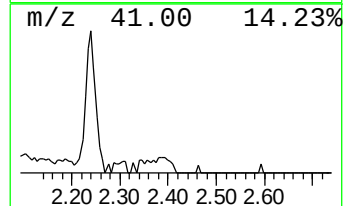
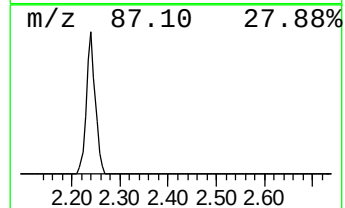
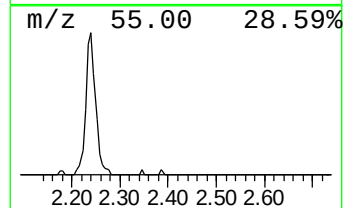
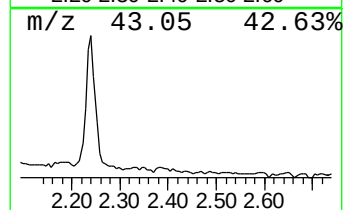
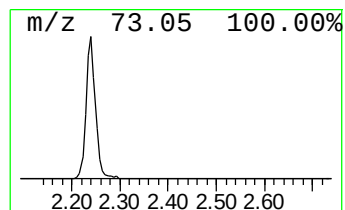
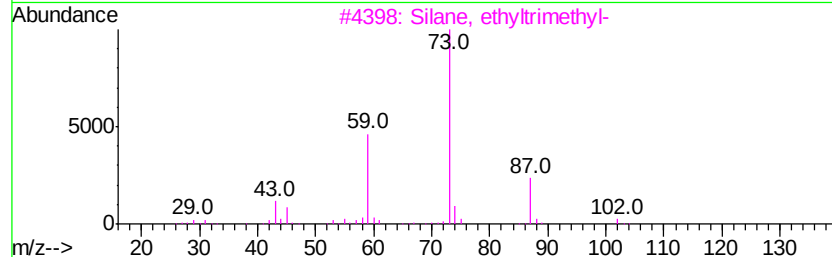
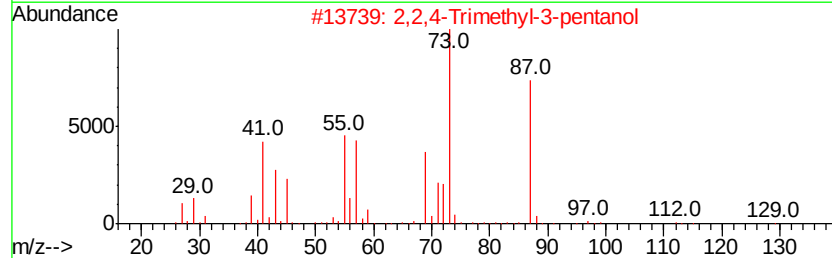
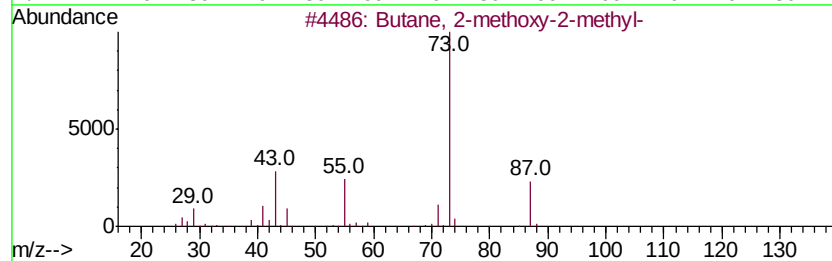
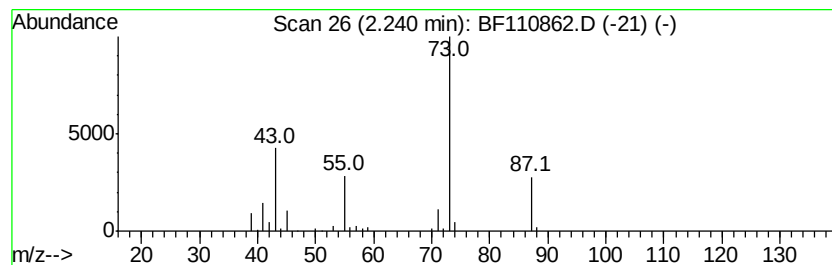
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.24	6.42 ng	129580	1,4-Dichlorobenzene-d4	6.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	33
4			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	17
5			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12



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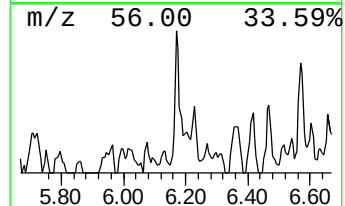
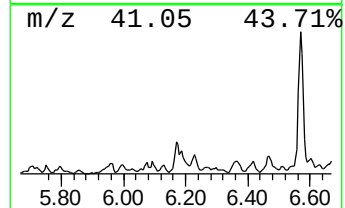
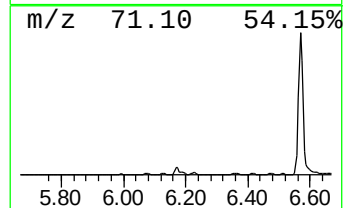
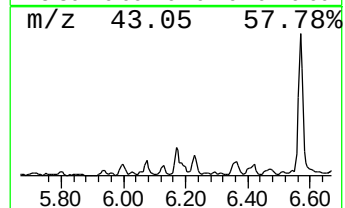
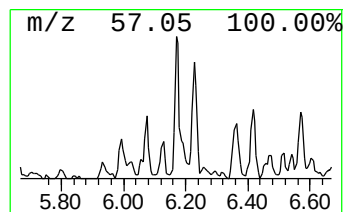
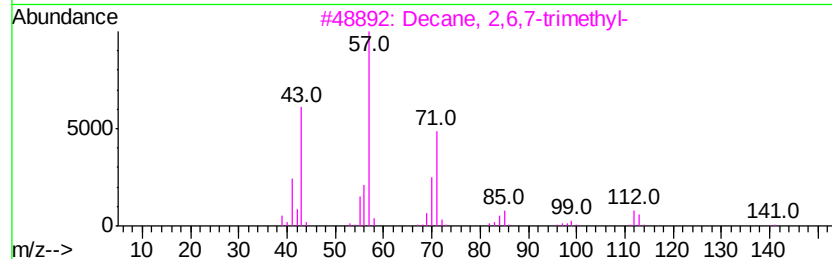
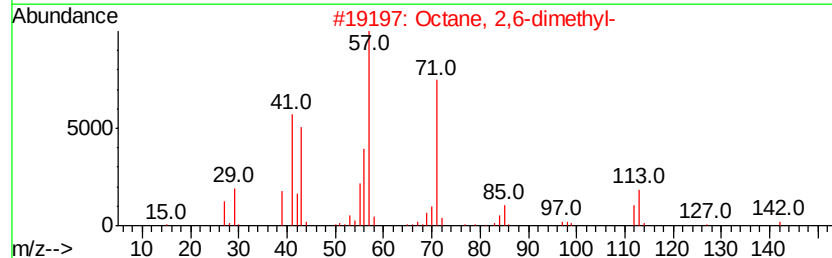
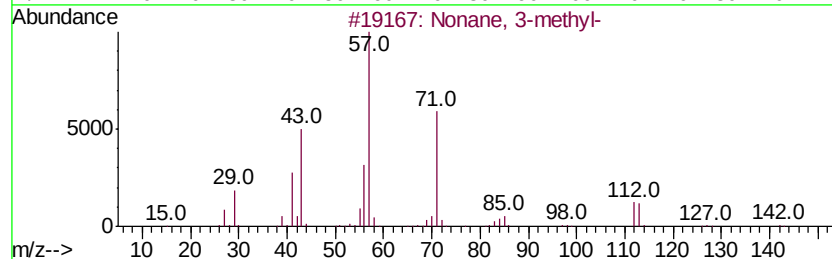
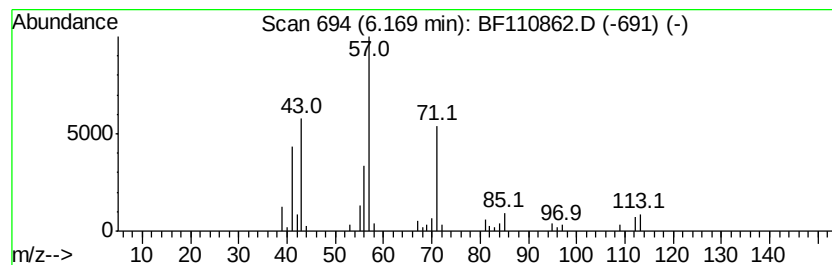
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Nonane, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	3.71 ng	74883	1,4-Dichlorobenzene-d4	6.94

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-		142	C10H22	005911-04-6	72
2	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	64
3	Decane, 2,6,7-trimethyl-		184	C13H28	062108-25-2	56
4	Heptane, 3-ethyl-5-methyl-		142	C10H22	052896-90-9	50
5	Butane, 2,2-dimethyl-		86	C6H14	000075-83-2	50



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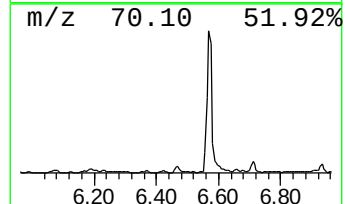
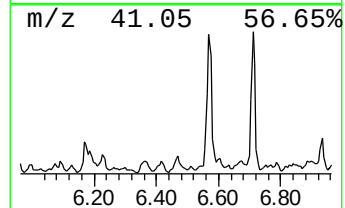
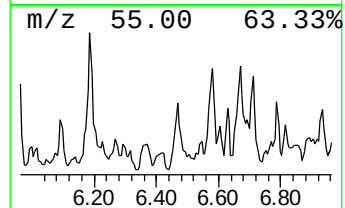
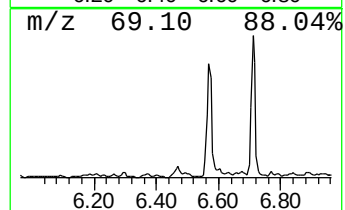
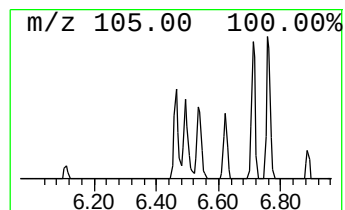
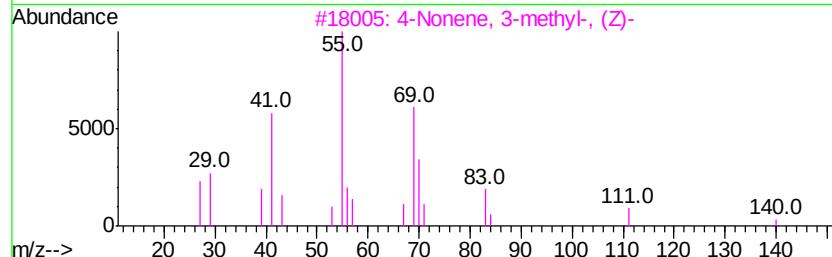
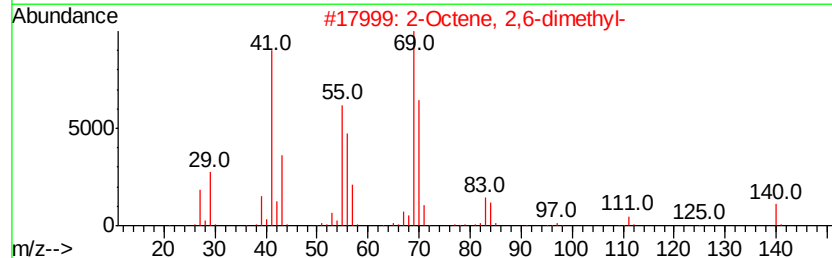
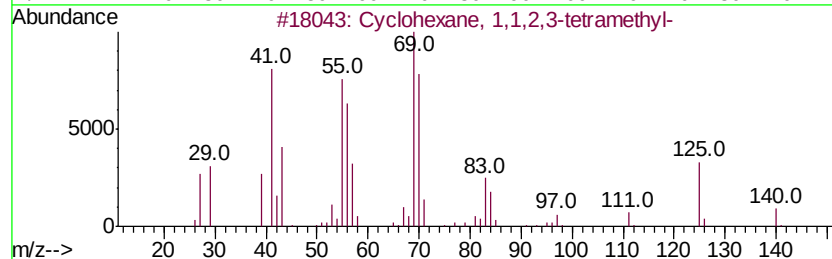
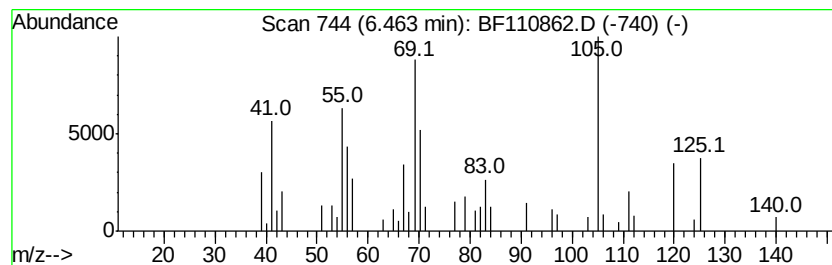
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	3.96 ng	79806	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	62
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
3		4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	52
4		4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	52
5		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110862.D
Acq On : 19 Nov 2018 19:20
Operator : JU/SJ
Sample : J5993-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20180927-WCC-3-COMPOSITE

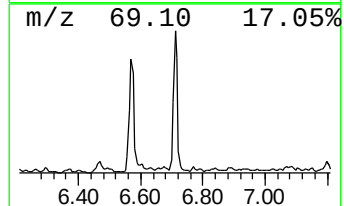
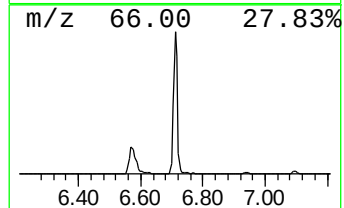
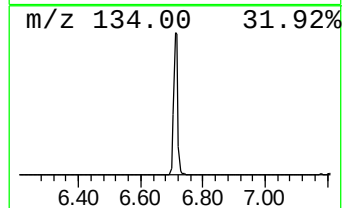
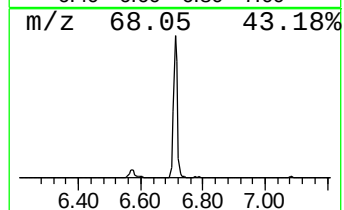
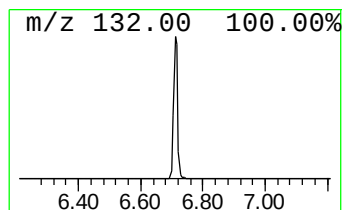
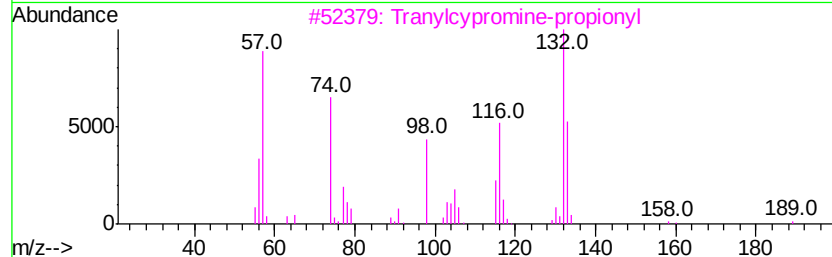
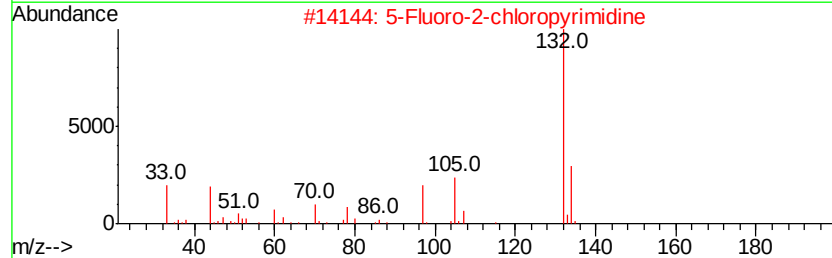
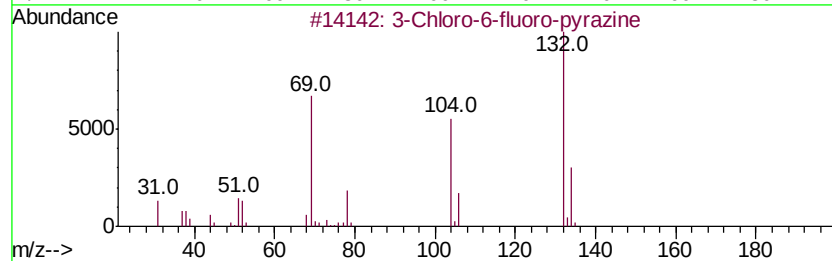
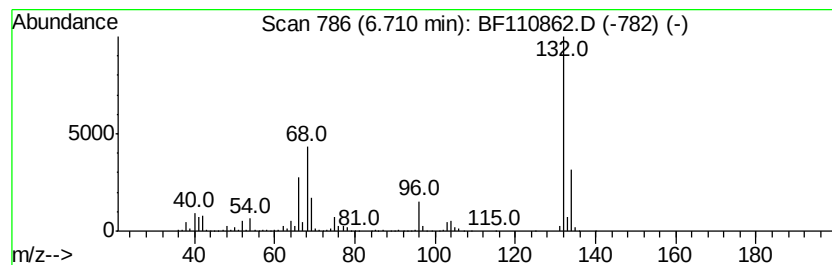
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown6.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	78.15 ng	1576210	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		Tranvlcypramine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110862.D
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ClientSampleId :
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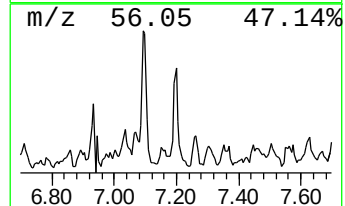
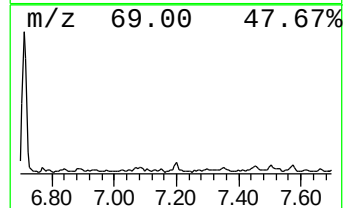
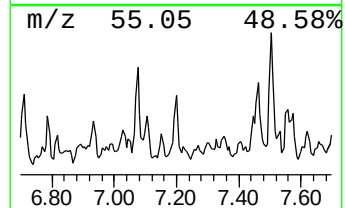
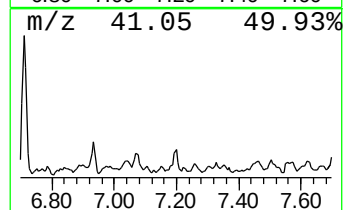
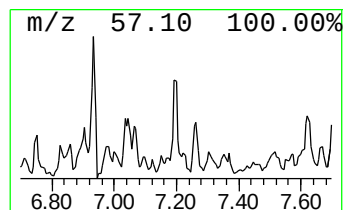
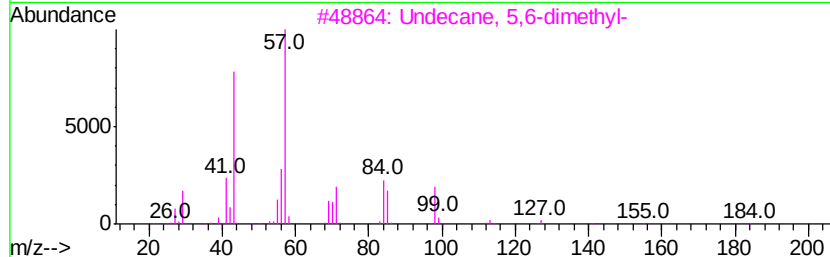
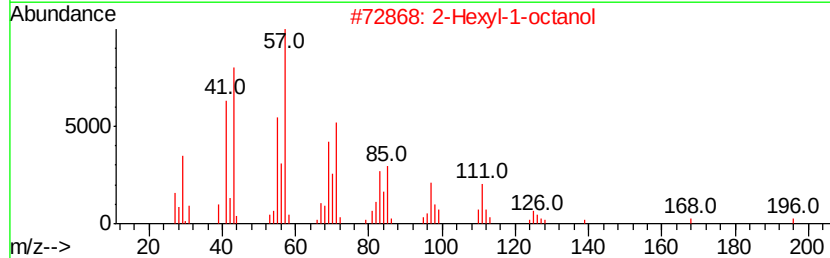
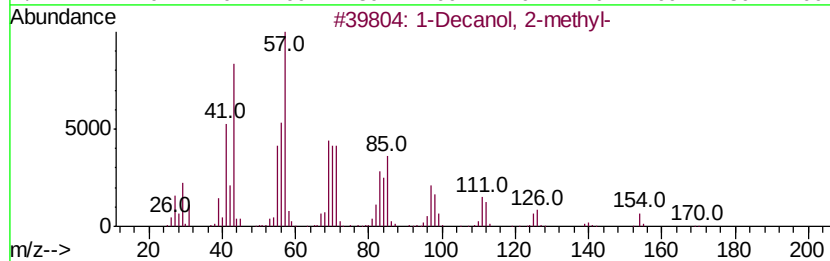
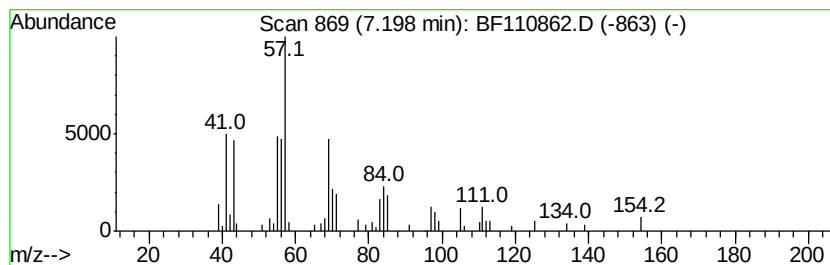
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Decanol, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	4.11 ng	82906	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Decanol, 2-methyl-	172	C11H24O	018675-24-6	59
2		2-Hexyl-1-octanol	214	C14H30O	019780-79-1	59
3		Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	50
4		Dodecane, 1-fluoro-	188	C12H25F	000334-68-9	43
5		1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110862.D
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Sample : J5993-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

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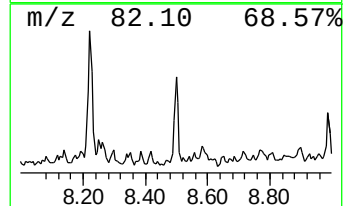
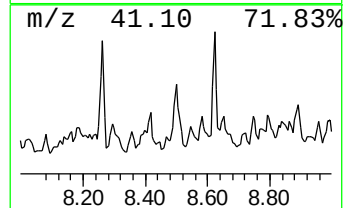
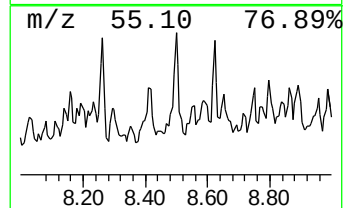
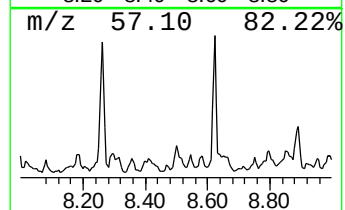
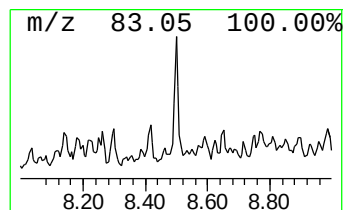
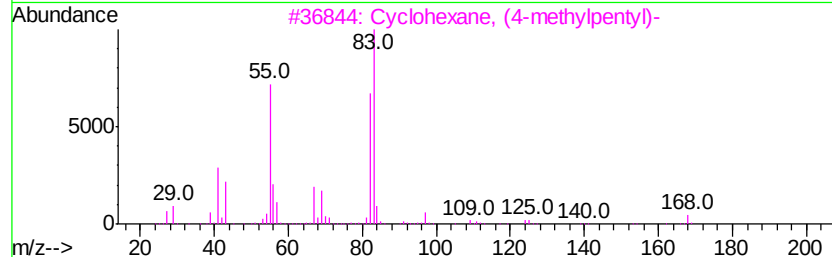
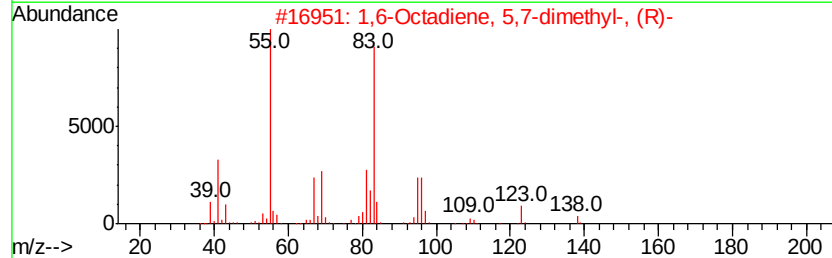
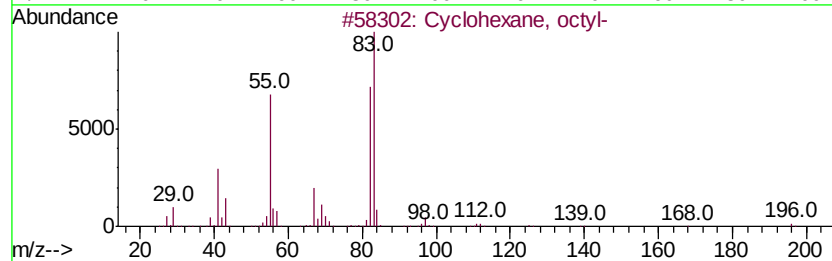
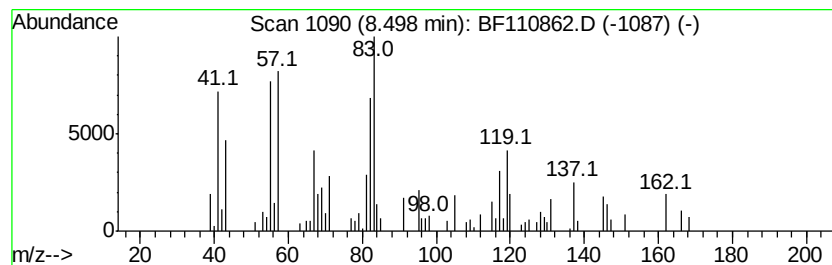
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown8.50 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	5.12 ng	113156	Napthalene-d8	8.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, octyl-	196	C14H28	001795-15-9	35
2		1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	30
3		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	30
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	27
5		Pyridine, 2,3,4,5-tetrahydro-	83	C5H9N	000505-18-0	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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Acq On : 19 Nov 2018 19:20
Operator : JU/SJ
Sample : J5993-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

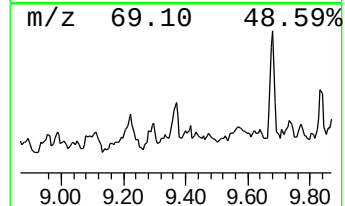
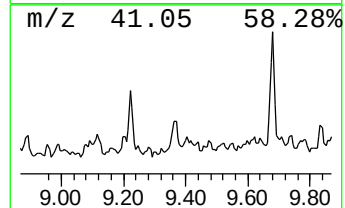
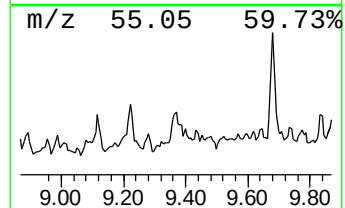
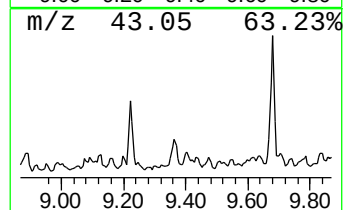
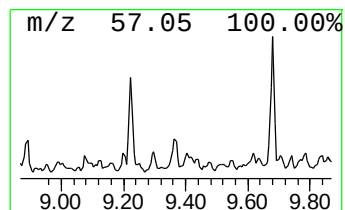
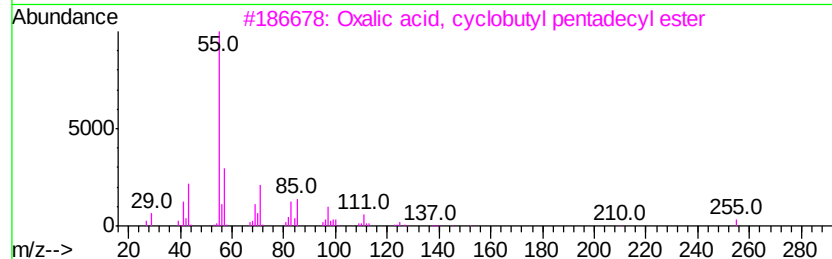
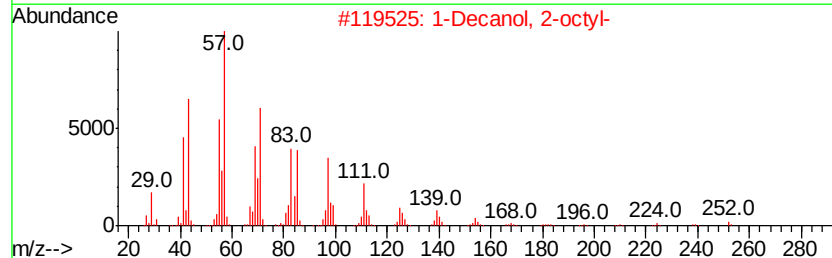
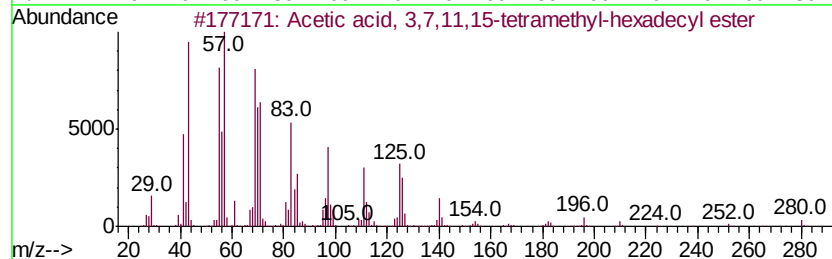
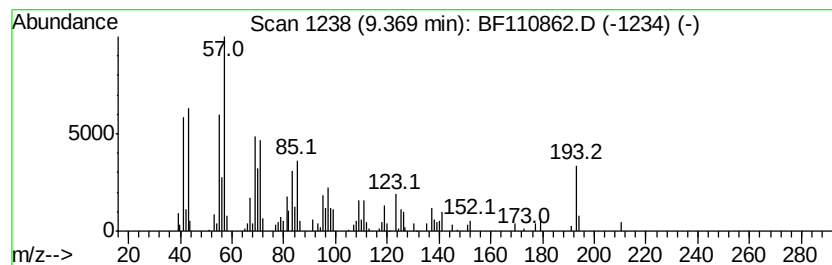
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Acetic acid, 3,7,11,15-tetr... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.		
9.37	3.75 ng	89008	Acenaphthene-d10		9.99		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetic acid, 3,7,11,15-tetrameth...	340	C22H44O2	1000193-63-0	53
2			1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	49
3			Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1000309-70-5	46
4			Oxalic acid, cyclobutyl octadecv...	396	C24H44O4	1000309-70-8	43
5			Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110862.D
Acq On : 19 Nov 2018 19:20
Operator : JU/SJ
Sample : J5993-03
Misc :
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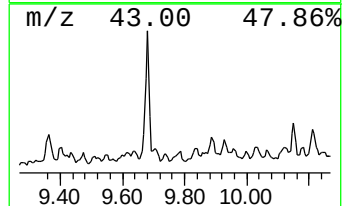
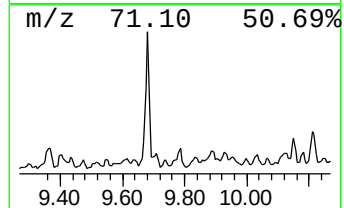
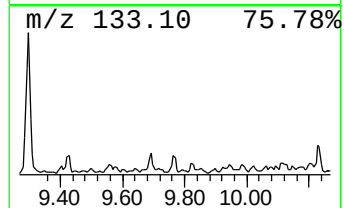
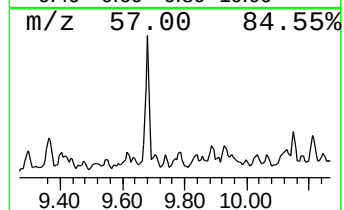
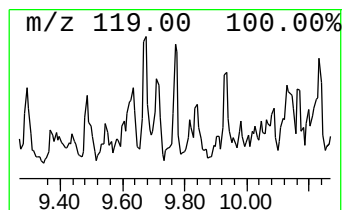
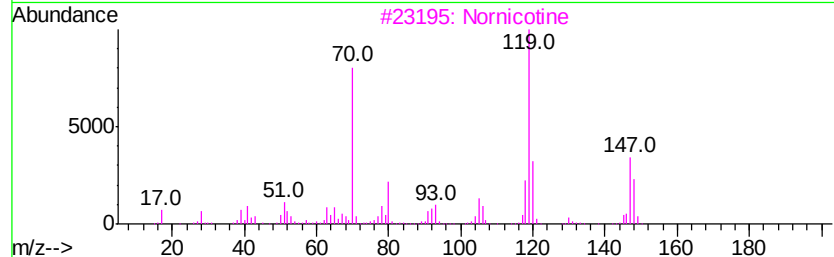
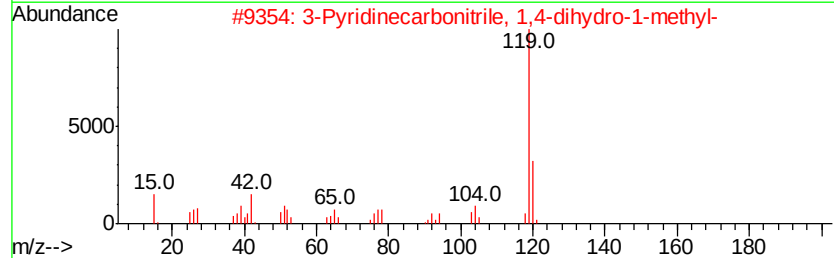
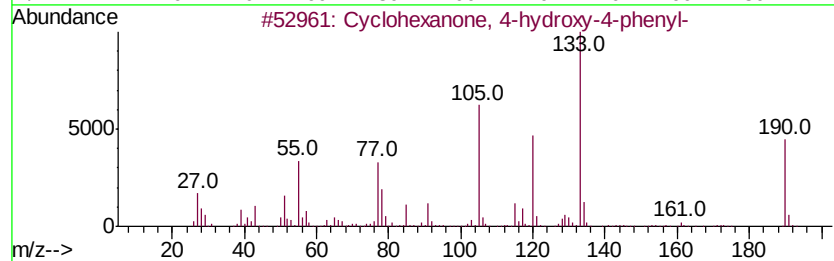
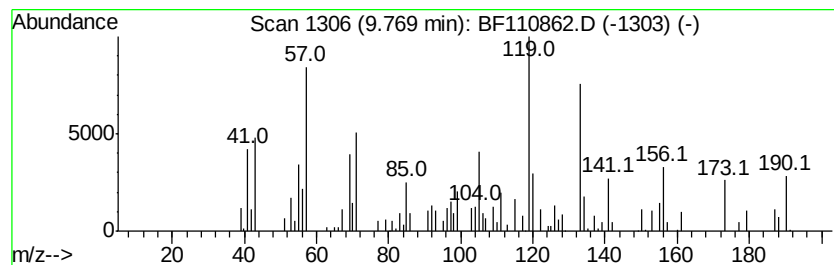
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown9.77 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.77	3.82 ng	90608	Acenaphthene-d10	9.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 4-hydroxy-4-phenyl-	190	C12H14O2	051171-73-4	30
2	3-Pyridinecarbonitrile, 1,4-dihy...	120	C7H8N2	019424-15-8	18
3	Nornicotine	148	C9H12N2	000494-97-3	14
4	1,7,7-Trimethyl-2-vinylbicyclo[2...	162	C12H18	130930-56-2	14
5	Spiro[3.5]nona-5,7-dien-1-one, 5...	176	C12H16O	091531-36-1	12



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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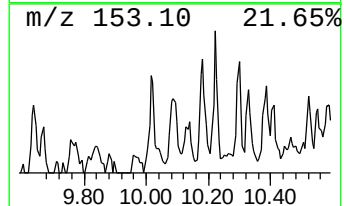
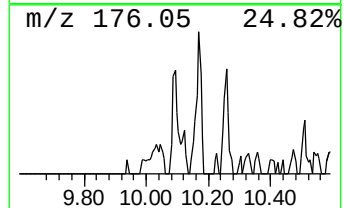
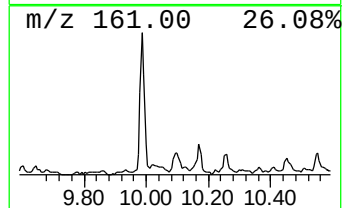
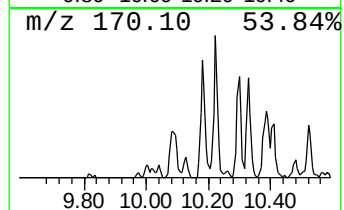
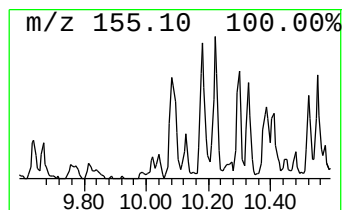
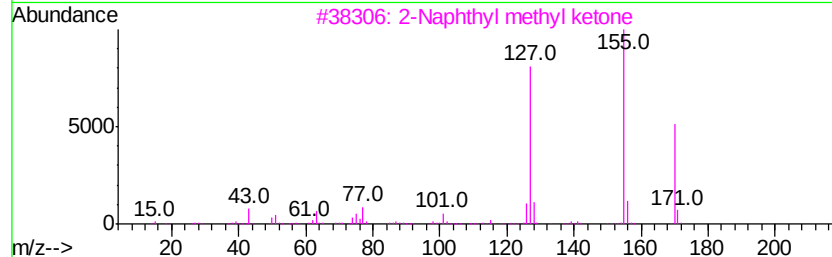
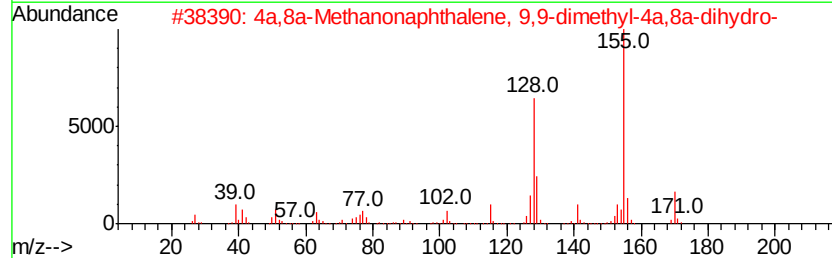
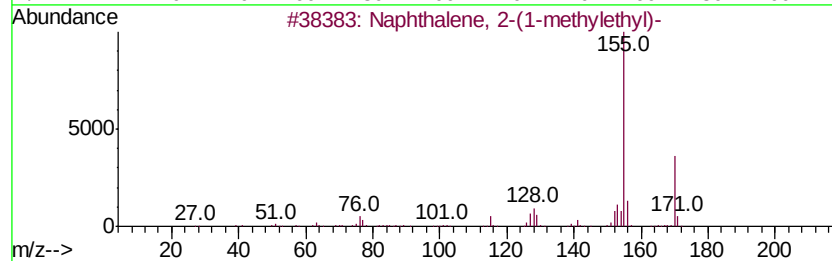
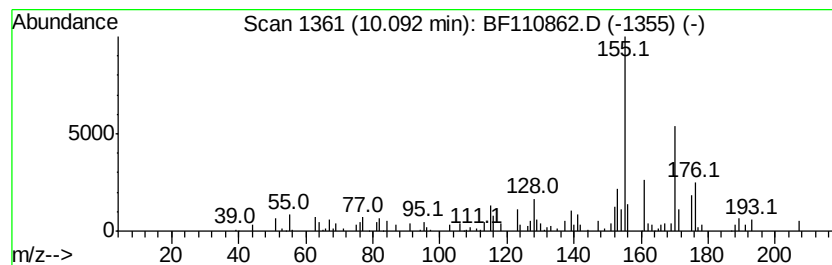
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-(1-methyleth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.09	3.84 ng	91025	Acenaphthene-d10	9.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	81
2	4a,8a-Methanonaphthalene, 9,9-di...	170	C13H14	038963-97-2	72
3	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	58
4	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	58
5	2,5-Dimethoxythiophenol	170	C8H10O2S	001483-27-8	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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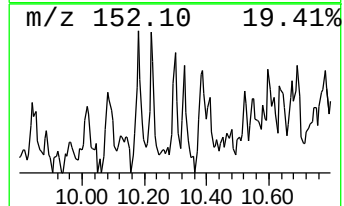
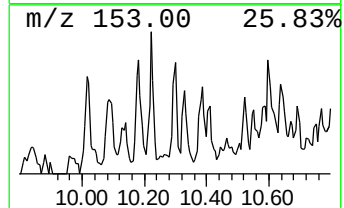
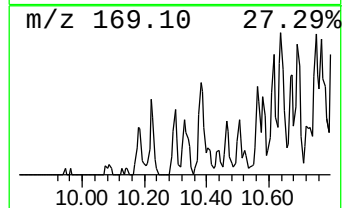
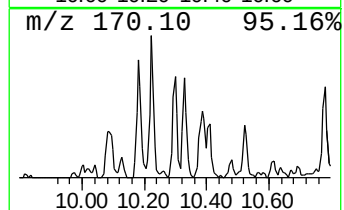
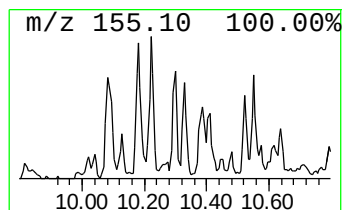
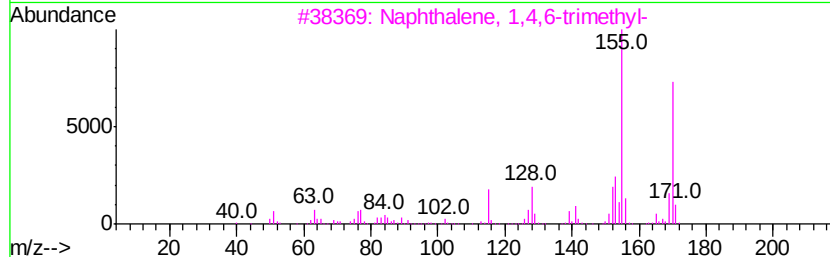
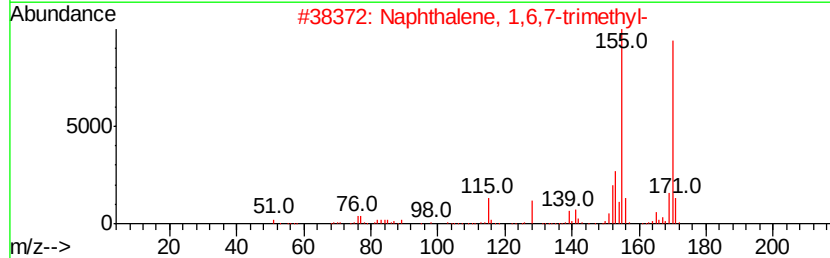
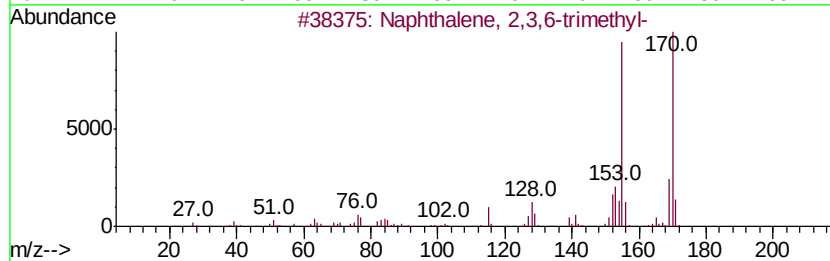
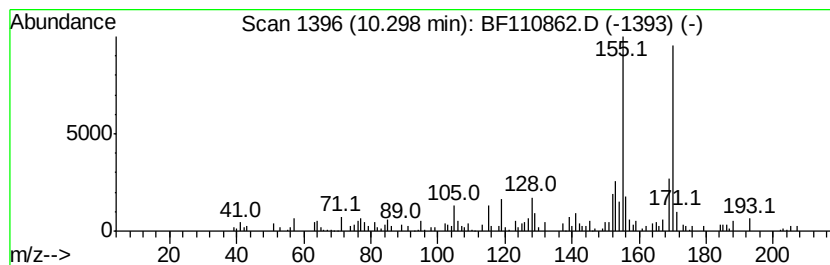
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.30	4.48 ng	106213	Acenaphthene-d10		9.99
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110862.D
Acq On : 19 Nov 2018 19:20
Operator : JU/SJ
Sample : J5993-03
Misc :
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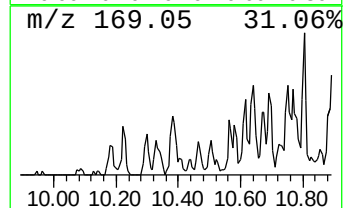
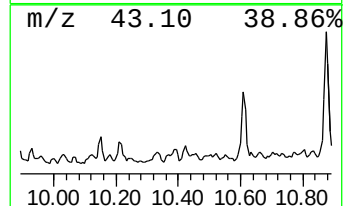
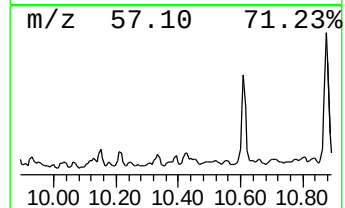
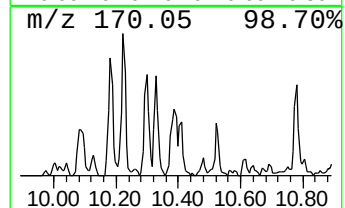
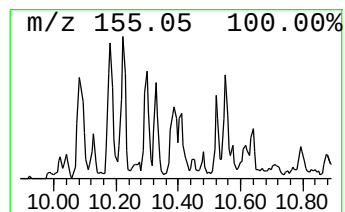
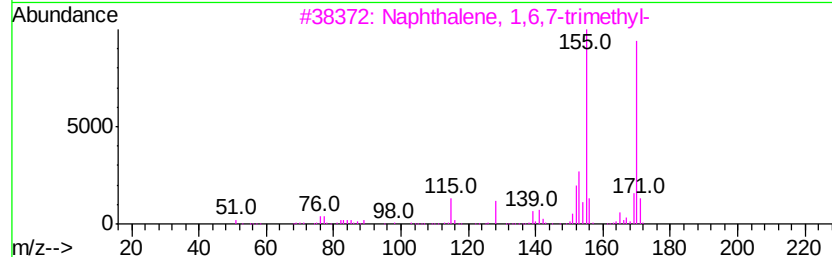
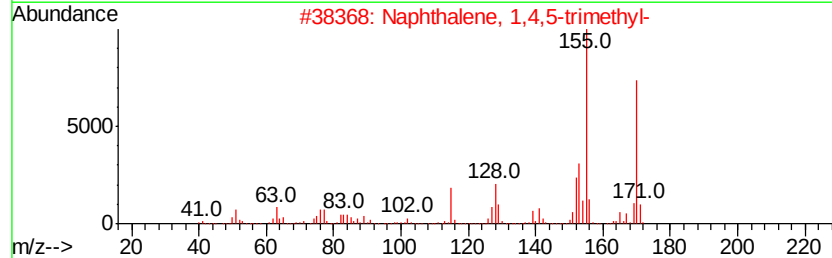
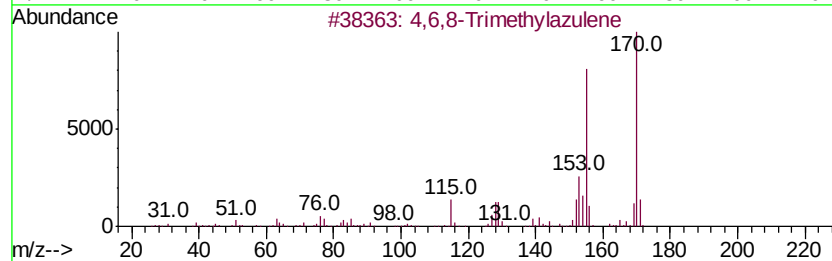
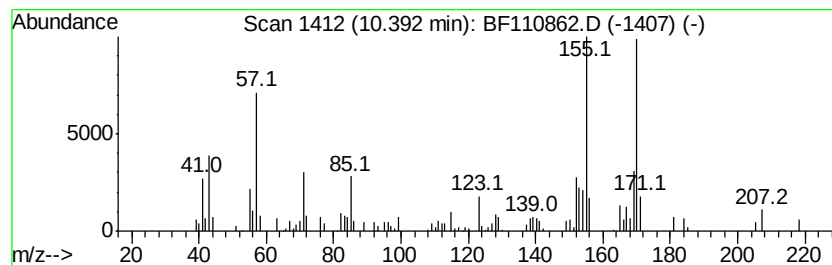
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4,6,8-Trimethylazulene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	4.08 ng	96750	Acenaphthene-d10	9.99
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	4,6,8-Trimethylazulene	170 C13H14	000941-81-1	83
2	Naphthalene, 1,4,5-trimethyl-	170 C13H14	002131-41-1	78
3	Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7	78
4	1-(2,2-Dimethylcyclopropyl)-2-ph...	170 C13H14	1000294-91-1	64
5	Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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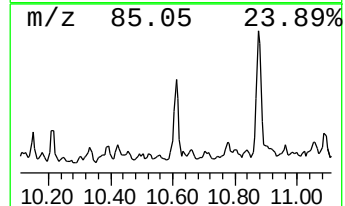
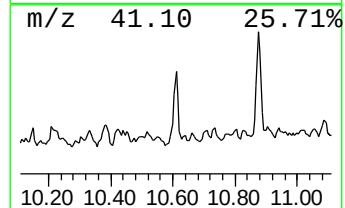
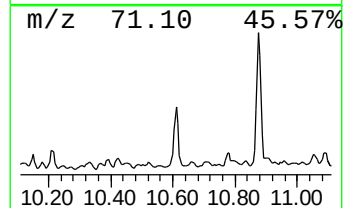
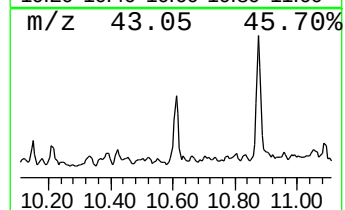
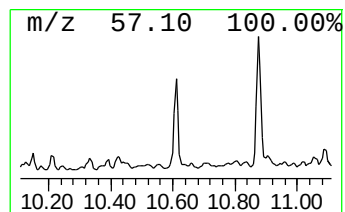
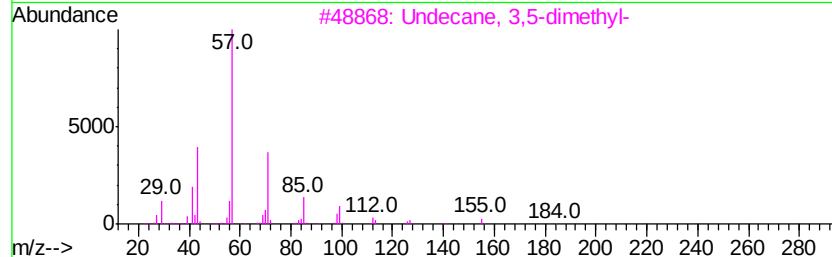
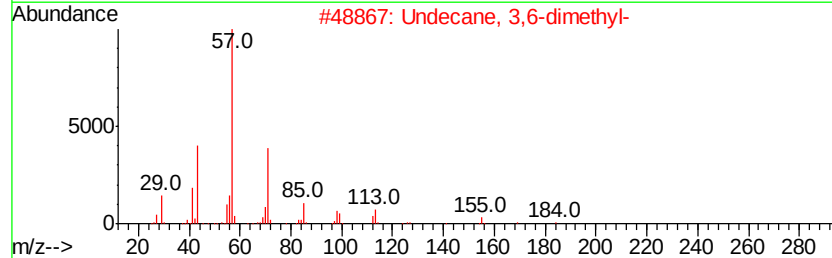
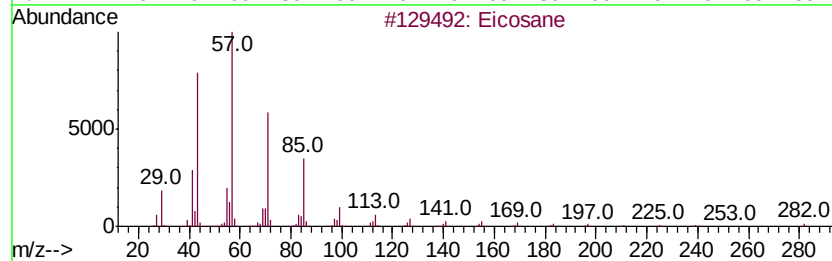
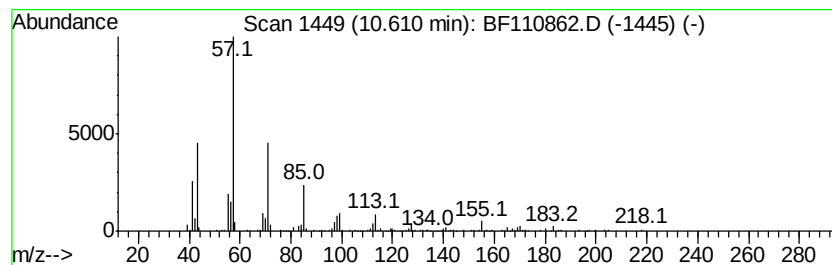
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.61	9.56 ng	226746	Acenaphthene-d10		9.99
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	80
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	72
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72
4	Heneicosane	296	C21H44	000629-94-7	64
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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Instrument :
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ClientSampleId :
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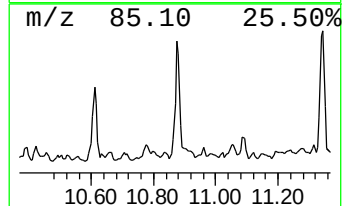
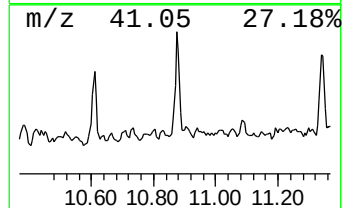
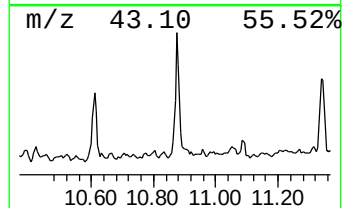
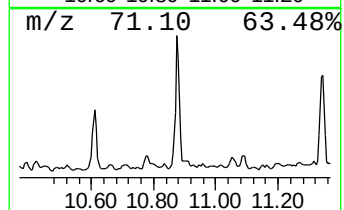
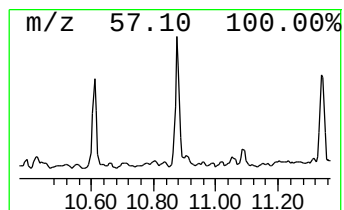
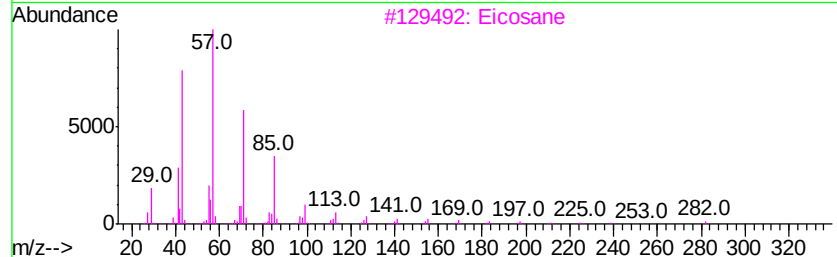
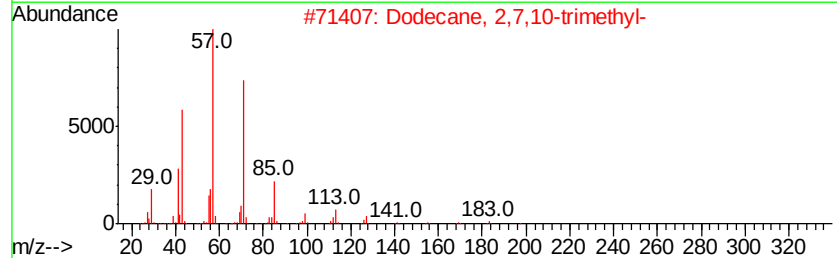
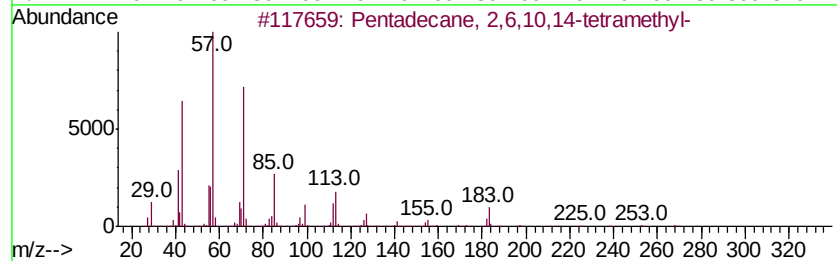
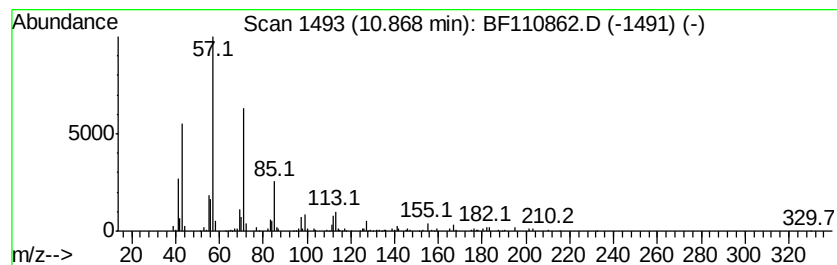
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pentadecane, 2,6,10,14-tetr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	20.76 ng	401606	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	87
3		Eicosane	282	C20H42	000112-95-8	86
4		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
5		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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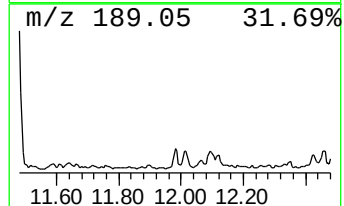
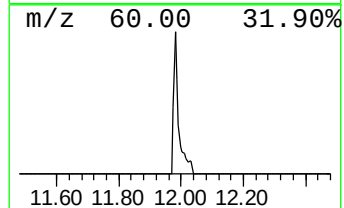
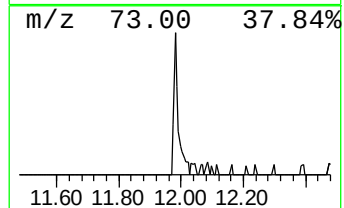
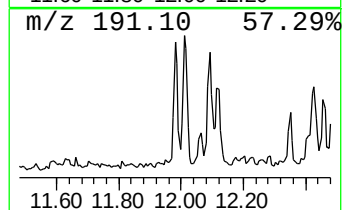
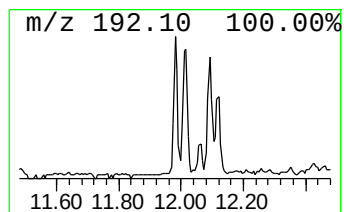
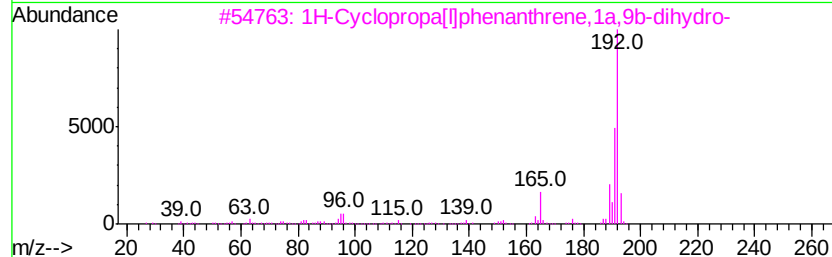
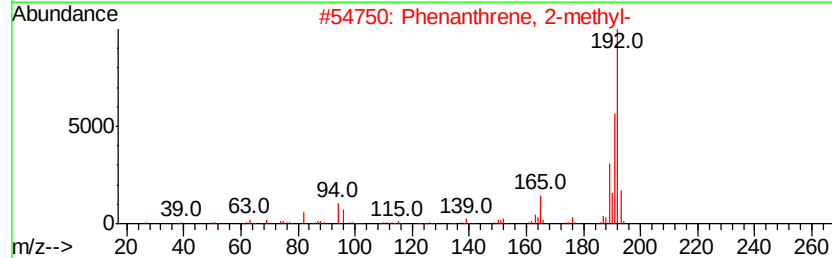
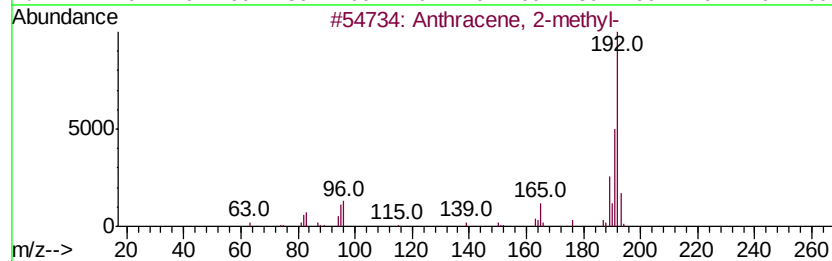
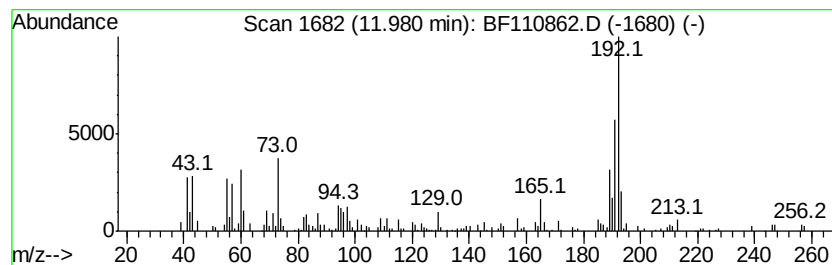
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.98	5.25 ng	101575	Phenanthrene-d10	11.48	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	83
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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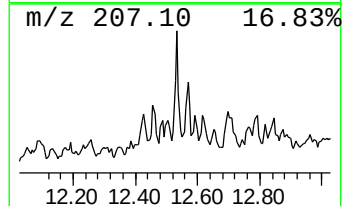
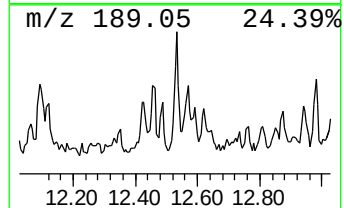
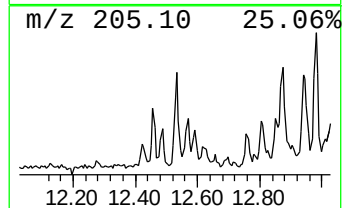
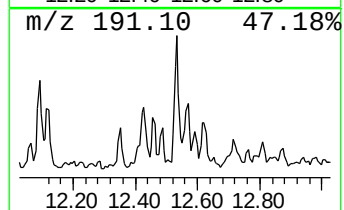
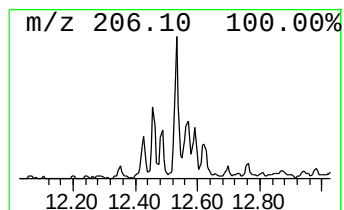
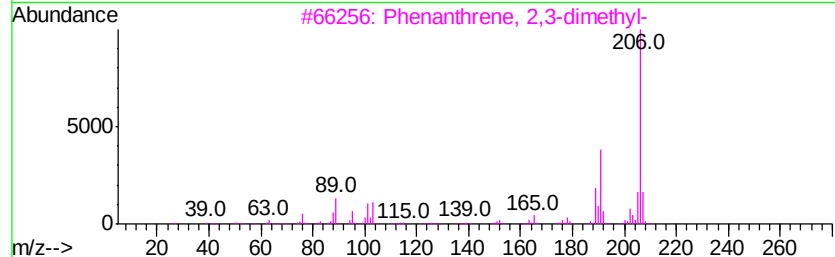
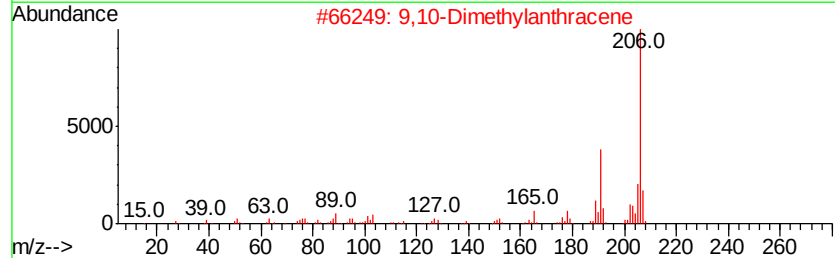
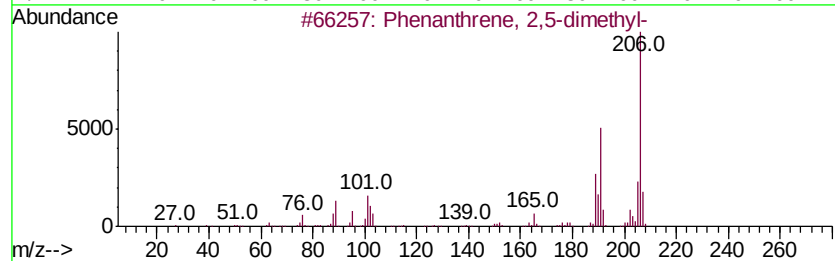
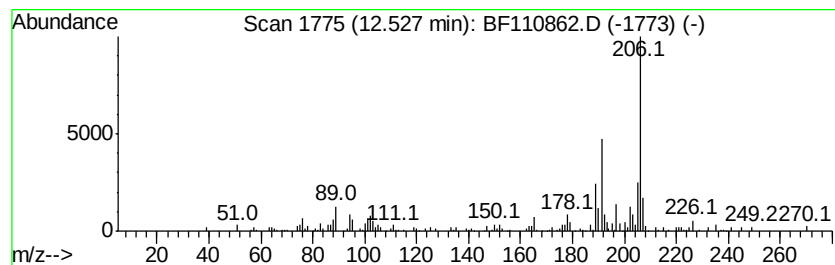
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.53	5.09 ng	98368	Phenanthrene-d10		11.48
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	86



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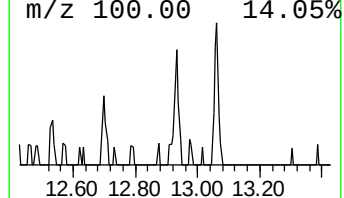
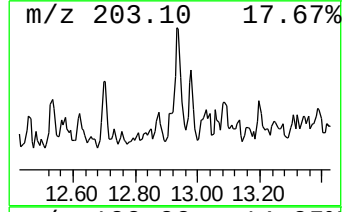
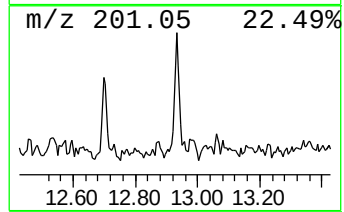
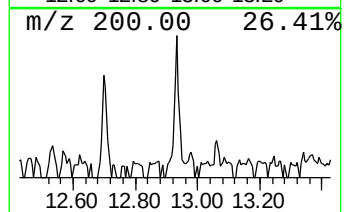
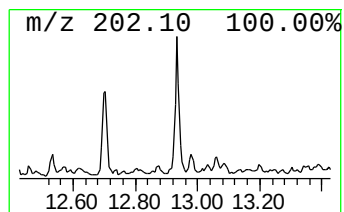
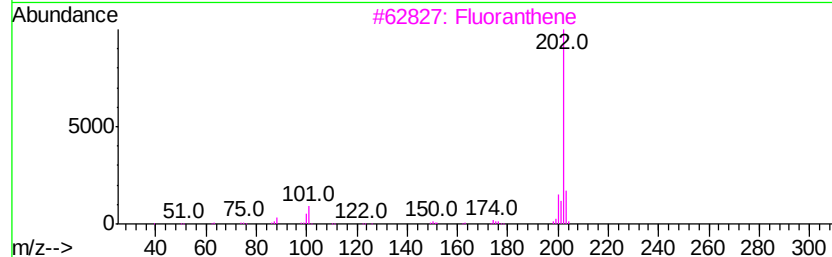
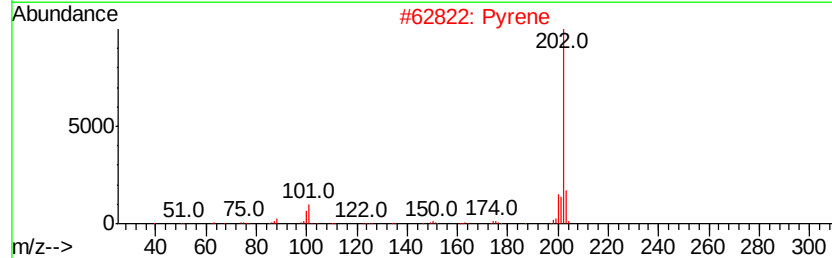
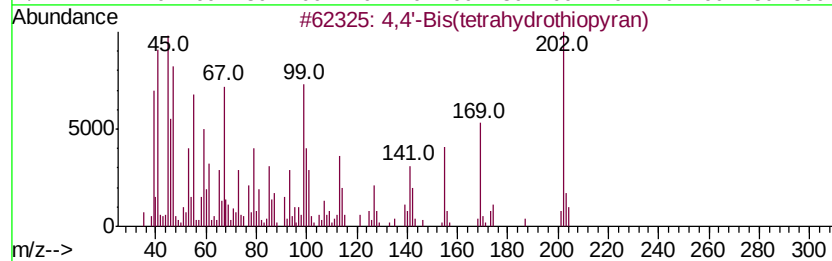
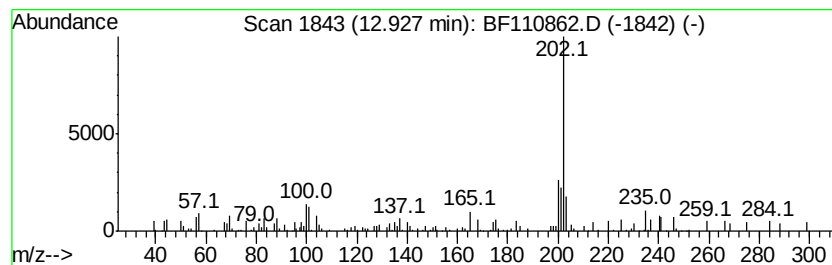
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	5.14 ng	90069	Chrysene-d12	14.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	90
2		Pyrene	202	C16H10	000129-00-0	70
3		Fluoranthene	202	C16H10	000206-44-0	70
4		Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	52
5		Cyclopropane-1,1-dicarbonitrile,...	202	C11H7ClN2	098235-21-3	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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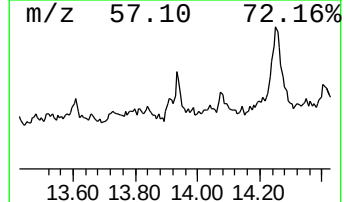
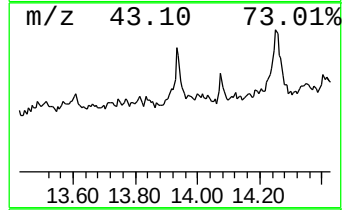
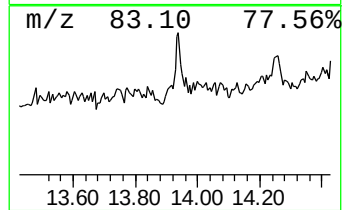
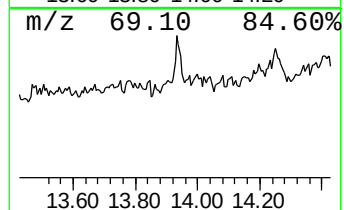
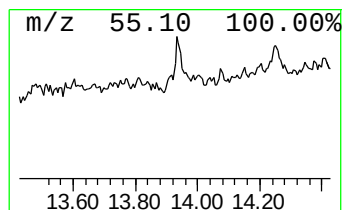
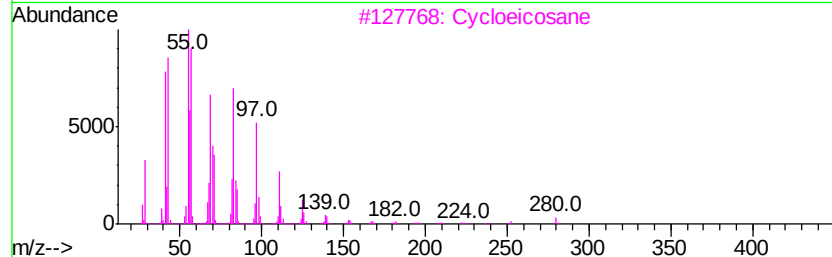
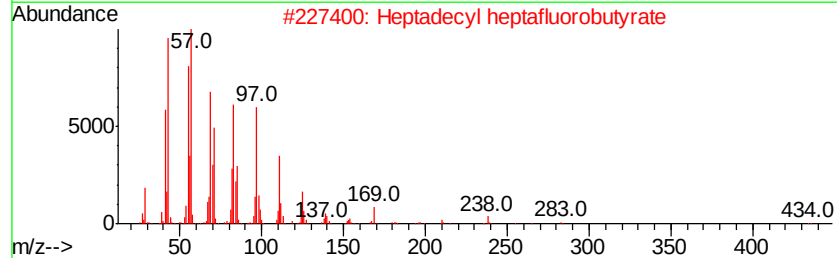
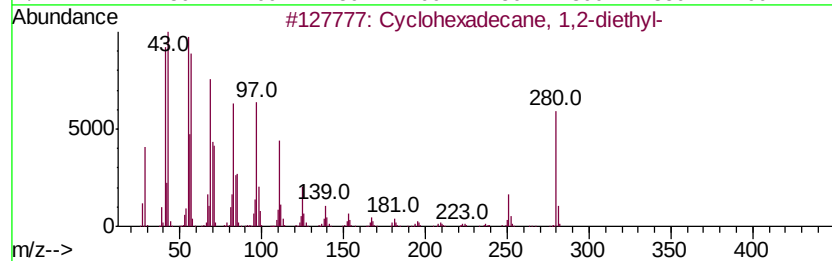
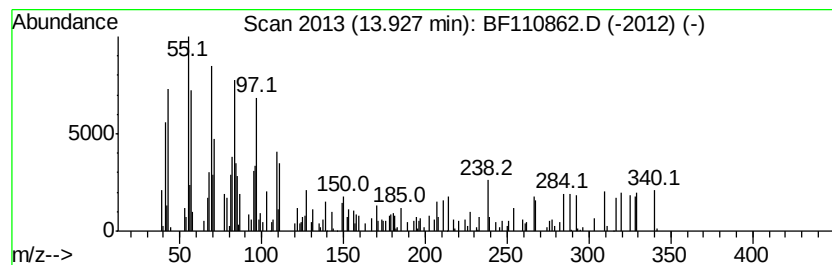
Instrument :
BNA_F
ClientSampleId :
20180927-WCC-3-COMPOSITE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Cyclohexadecane, 1,2-diethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.93	3.84 ng	67285	Chrysene-d12	14.13	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	93
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
3	Cvcloeicosane	280	C20H40	000296-56-0	90
4	1-Eicosene	280	C20H40	003452-07-1	90
5	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111918\
 Data File : BF110862.D
 Acq On : 19 Nov 2018 19:20
 Operator : JU/SJ
 Sample : J5993-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20180927-WCC-3-COMPOSITE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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
Butane, 2-methoxy...	2.24	6.4	ng	129580	1	6.94	403389	20.0
Nonane, 3-methyl-	6.17	3.7	ng	74883	1	6.94	403389	20.0
Cyclohexane, 1,1,...	6.46	4.0	ng	79806	1	6.94	403389	20.0
unknown6.71	6.71	78.2	ng	1576210	1	6.94	403389	20.0
1-Decanol, 2-methyl-	7.20	4.1	ng	82906	1	6.94	403389	20.0
unknown8.50	8.50	5.1	ng	113156	2	8.22	442206	20.0
Acetic acid, 3,7,...	9.37	3.8	ng	89008	3	9.99	474592	20.0
unknown9.77	9.77	3.8	ng	90608	3	9.99	474592	20.0
Naphthalene, 2-(1...	10.09	3.8	ng	91025	3	9.99	474592	20.0
Naphthalene, 2,3,...	10.30	4.5	ng	106213	3	9.99	474592	20.0
4,6,8-Trimethylaz...	10.39	4.1	ng	96750	3	9.99	474592	20.0
Eicosane	10.61	9.6	ng	226746	3	9.99	474592	20.0
Pentadecane, 2,6,...	10.87	20.8	ng	401606	4	11.48	386830	20.0
Anthracene, 2-met...	11.98	5.3	ng	101575	4	11.48	386830	20.0
Phenanthrene, 2,5...	12.53	5.1	ng	98368	4	11.48	386830	20.0
4,4'-Bis(tetrahyd...	12.93	5.1	ng	90069	5	14.13	350795	20.0
Cyclohexadecane, ...	13.93	3.8	ng	67285	5	14.13	350795	20.0