

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142148.D
 Acq On : 28 Mar 2025 02:36
 Operator : RC/JU
 Sample : Q1642-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-1-032525

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

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-BF031025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142148.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	6	14	rVB	432035	643361	10.19%	0.860%
2	5.081	497	508	516	rVB	72016	116344	1.84%	0.156%
3	5.481	567	576	587	rBV	1009847	1343906	21.29%	1.796%
4	6.122	679	685	691	rBV3	46682	83214	1.32%	0.111%
5	6.404	729	733	740	rBV4	43960	83632	1.33%	0.112%
6	6.493	740	748	755	rBV	984299	1388589	22.00%	1.856%
7	6.610	764	768	772	rBV5	35554	68848	1.09%	0.092%
8	6.869	807	812	818	rVB	739192	977973	15.49%	1.307%
9	7.263	874	879	883	rBV3	55215	92031	1.46%	0.123%
10	7.428	897	907	917	rBV	675129	1137506	18.02%	1.520%
11	7.510	917	921	925	rVB4	60108	91462	1.45%	0.122%
12	7.569	925	931	936	rBV2	35930	81167	1.29%	0.108%
13	7.645	937	944	947	rVV4	62479	124125	1.97%	0.166%
14	7.675	947	949	957	rVB6	76150	108549	1.72%	0.145%
15	7.751	958	962	963	rBV3	54281	65387	1.04%	0.087%
16	7.792	966	969	973	rVV3	80430	118913	1.88%	0.159%
17	7.892	982	986	993	rVB3	88318	149325	2.37%	0.200%
18	7.969	996	999	1005	rVB5	43351	63586	1.01%	0.085%
19	8.022	1005	1008	1011	rBV2	62688	80190	1.27%	0.107%
20	8.151	1017	1030	1037	rBV2	944361	2002309	31.72%	2.676%
21	8.210	1037	1040	1043	rVV2	246933	332965	5.28%	0.445%
22	8.239	1043	1045	1053	rVB7	90422	133772	2.12%	0.179%
23	8.351	1062	1064	1068	rVB2	65969	83241	1.32%	0.111%
24	8.439	1074	1079	1084	rBV5	157400	262075	4.15%	0.350%
25	8.534	1092	1095	1098	rBV	141366	165739	2.63%	0.222%
26	8.569	1098	1101	1107	rBV	246817	396247	6.28%	0.530%
27	8.657	1113	1116	1119	rBV2	157617	199920	3.17%	0.267%
28	8.745	1127	1131	1134	rBV3	173086	252203	4.00%	0.337%
29	8.863	1149	1151	1155	rVB	208319	233599	3.70%	0.312%
30	8.963	1164	1168	1173	rVV2	279614	433611	6.87%	0.580%
31	9.057	1182	1184	1188	rVB4	115101	129263	2.05%	0.173%
32	9.169	1200	1203	1208	rVB	349151	451449	7.15%	0.603%
33	9.228	1208	1213	1218	rVB	1158697	1458325	23.11%	1.949%
34	9.310	1223	1227	1231	rBV2	240136	386040	6.12%	0.516%
35	9.428	1243	1247	1252	rVB	184254	267971	4.25%	0.358%
36	9.492	1253	1258	1263	rBV	699952	1066281	16.89%	1.425%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.569	1266	1271	1273	rVV	820949	1200417	19.02%	1.605%
38	9.592	1273	1275	1278	rVV	479732	596590	9.45%	0.797%
39	9.628	1278	1281	1285	rVV3	526944	700293	11.10%	0.936%
40	9.686	1287	1291	1296	rVB	310815	456648	7.23%	0.610%
41	9.769	1301	1305	1309	rBV2	233599	316954	5.02%	0.424%
42	9.910	1324	1329	1332	rBV	803534	1090113	17.27%	1.457%
43	9.939	1332	1334	1338	rVB2	610242	669618	10.61%	0.895%
44	10.010	1343	1346	1351	rVB	365831	515681	8.17%	0.689%
45	10.057	1351	1354	1358	rBV4	112971	166027	2.63%	0.222%
46	10.110	1358	1363	1367	rBV	677798	923260	14.63%	1.234%
47	10.151	1367	1370	1378	rVB3	455616	745305	11.81%	0.996%
48	10.228	1379	1383	1385	rBV	327488	467824	7.41%	0.625%
49	10.251	1385	1387	1391	rVV	243148	260094	4.12%	0.348%
50	10.316	1394	1398	1404	rVB2	260259	551363	8.74%	0.737%
51	10.457	1417	1422	1428	rBV2	582935	1002048	15.88%	1.339%
52	10.557	1435	1439	1443	rVB3	362670	611544	9.69%	0.817%
53	10.616	1446	1449	1453	rVB2	301238	422218	6.69%	0.564%
54	10.692	1458	1462	1467	rVB	664717	879846	13.94%	1.176%
55	10.822	1479	1484	1490	rVB	749975	1057855	16.76%	1.414%
56	10.904	1490	1498	1502	rBV3	198156	597631	9.47%	0.799%
57	10.998	1511	1514	1517	rBV3	178778	240074	3.80%	0.321%
58	11.033	1517	1520	1527	rVB5	223853	380775	6.03%	0.509%
59	11.198	1545	1548	1552	rVB	205449	259381	4.11%	0.347%
60	11.292	1560	1564	1570	rVB2	508713	764232	12.11%	1.022%
61	11.428	1578	1587	1591	rBV2	3630724	5763680	91.32%	7.704%
62	11.475	1591	1595	1598	rVV	821359	1040322	16.48%	1.391%
63	11.504	1598	1600	1606	rVB2	135298	169647	2.69%	0.227%
64	11.627	1617	1621	1628	rVB	436325	617996	9.79%	0.826%
65	11.786	1645	1648	1650	rBV	69467	77934	1.23%	0.104%
66	11.898	1663	1667	1669	rBV	378135	519835	8.24%	0.695%
67	11.927	1669	1672	1676	rVV	555476	722898	11.45%	0.966%
68	11.975	1676	1680	1682	rVV	156286	210346	3.33%	0.281%
69	12.010	1682	1686	1694	rVB	659067	1174448	18.61%	1.570%
70	12.192	1713	1717	1719	rBV	256395	330328	5.23%	0.442%
71	12.216	1719	1721	1726	rVB	301401	379108	6.01%	0.507%
72	12.375	1745	1748	1751	rBV	90070	114555	1.81%	0.153%
73	12.451	1757	1761	1763	rBV	212909	335973	5.32%	0.449%
74	12.533	1772	1775	1780	rVB	186901	255170	4.04%	0.341%
75	12.616	1784	1789	1794	rVV	4353447	6232558	98.75%	8.331%
76	12.845	1821	1828	1833	rBV	3781950	6311674	100.00%	8.437%

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77	12.886	1833	1835	1841	rVB2	181508	243709	3.86%	0.326%
78	12.980	1844	1851	1858	rVB3	980885	1680643	26.63%	2.246%
79	13.057	1859	1864	1868	rBV2	247073	481328	7.63%	0.643%
80	13.163	1875	1882	1887	rVB2	364286	710422	11.26%	0.950%
81	13.233	1890	1894	1897	rBV	253592	312620	4.95%	0.418%
82	13.269	1897	1900	1904	rBV2	241628	307495	4.87%	0.411%
83	13.392	1919	1921	1930	rVB2	143462	246176	3.90%	0.329%
84	13.674	1965	1969	1974	rVB	307489	406686	6.44%	0.544%
85	13.786	1984	1988	1991	rBV2	337009	513131	8.13%	0.686%
86	13.816	1991	1993	1995	rVV	283998	331468	5.25%	0.443%
87	13.845	1995	1998	2001	rVV2	293704	487580	7.73%	0.652%
88	13.880	2001	2004	2011	rVB2	353170	488911	7.75%	0.654%
89	14.033	2023	2030	2033	rBV3	2262323	4086934	64.75%	5.463%
90	14.069	2033	2036	2042	rVB	1614450	2184304	34.61%	2.920%
91	14.145	2046	2049	2053	rVB	260891	297163	4.71%	0.397%
92	15.086	2203	2209	2218	rBV	1289140	3013803	47.75%	4.029%
93	15.192	2224	2227	2231	rVB	163519	209629	3.32%	0.280%
94	15.392	2256	2261	2266	rVB	635378	1022162	16.19%	1.366%
95	15.457	2267	2272	2277	rVB	896154	1354125	21.45%	1.810%
96	15.515	2278	2282	2285	rBV	359161	568690	9.01%	0.760%
97	17.004	2530	2535	2545	rVB2	417901	929722	14.73%	1.243%
98	17.457	2607	2612	2630	rVB	313225	729945	11.56%	0.976%

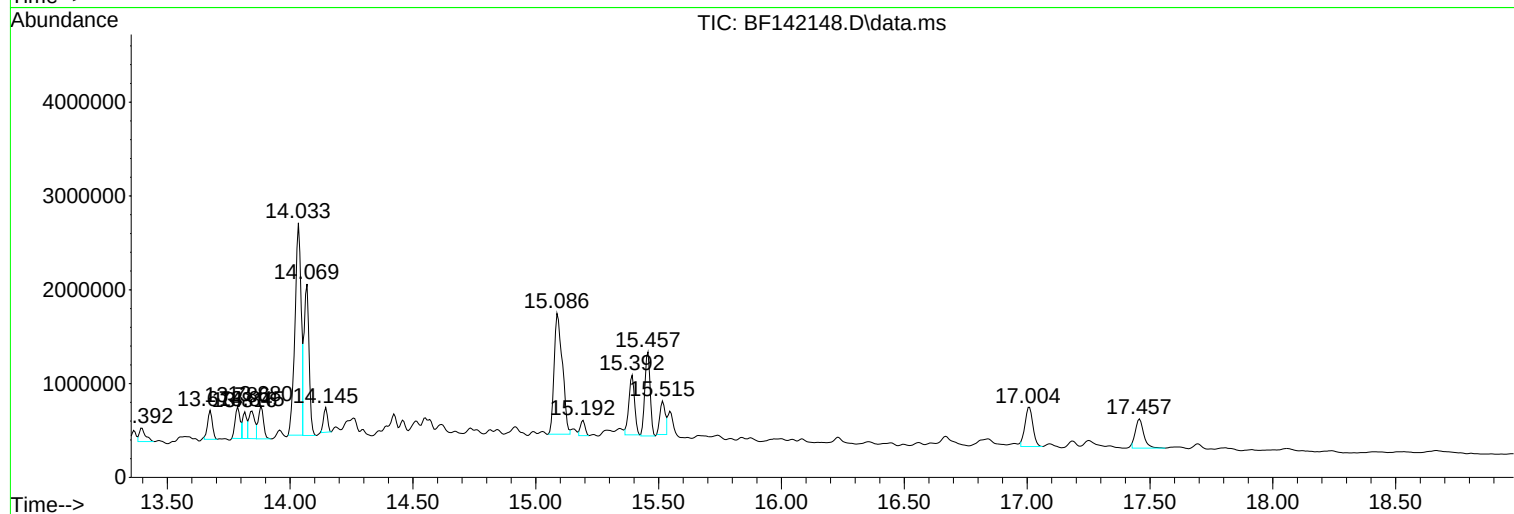
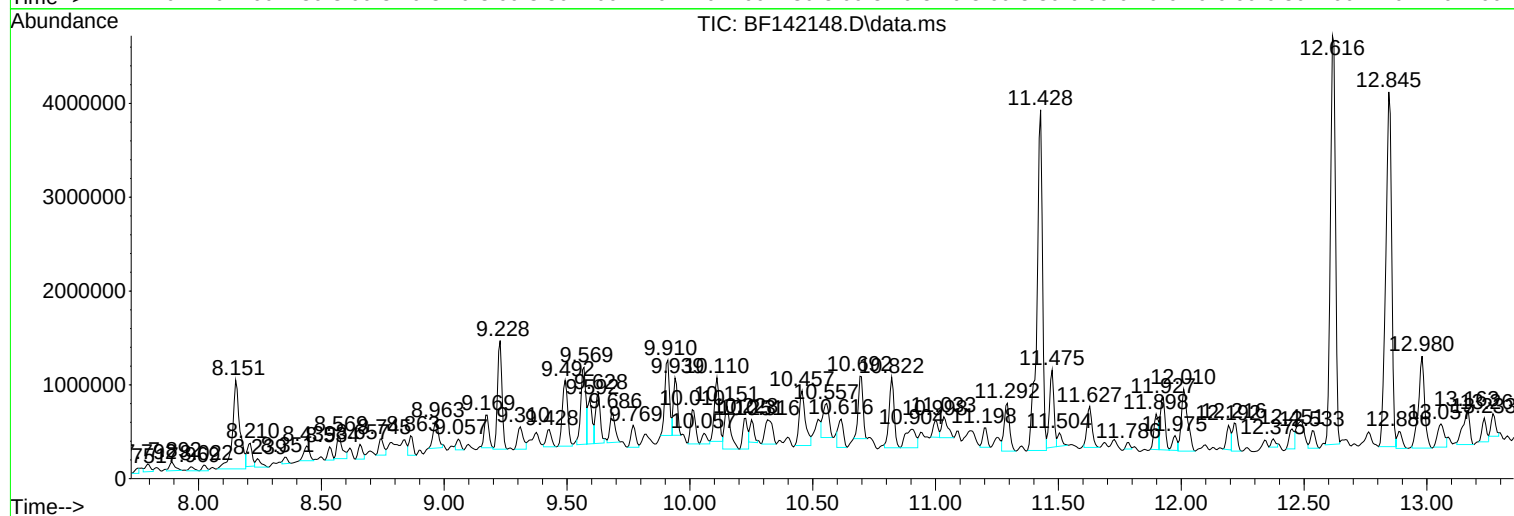
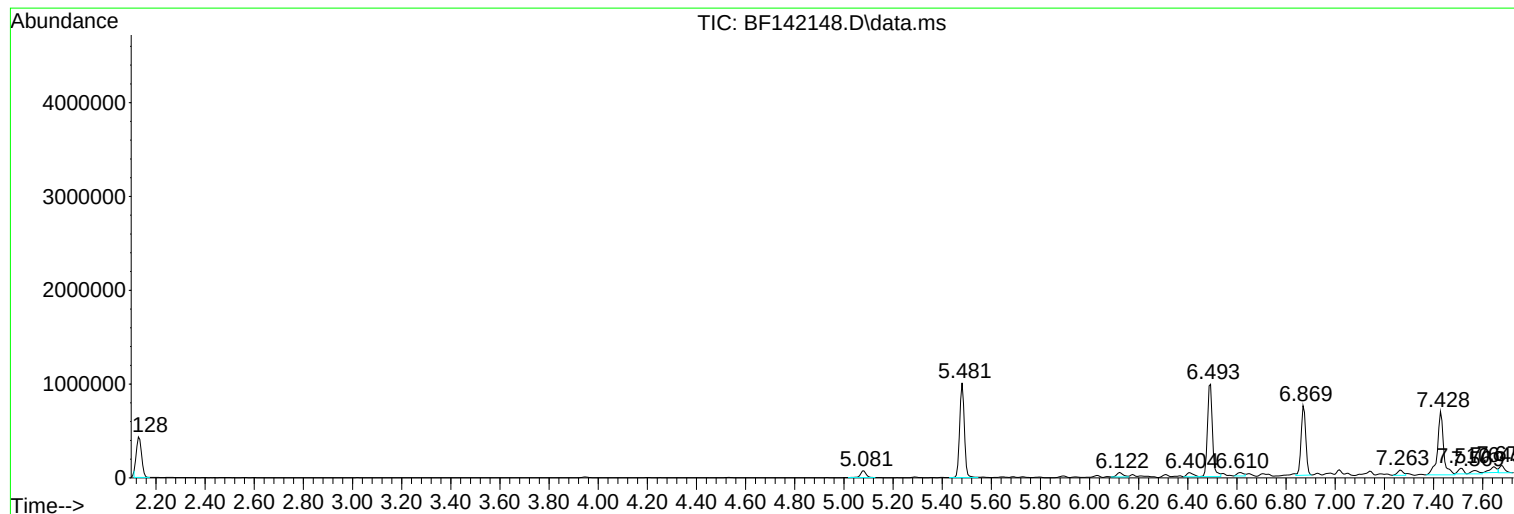
Sum of corrected areas: 74812027

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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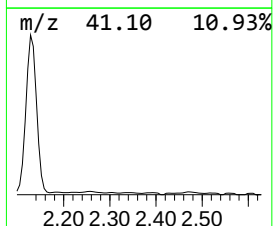
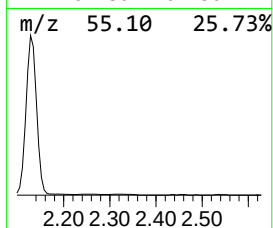
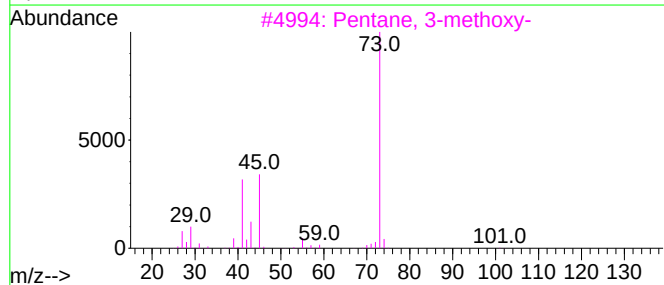
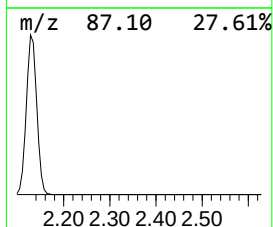
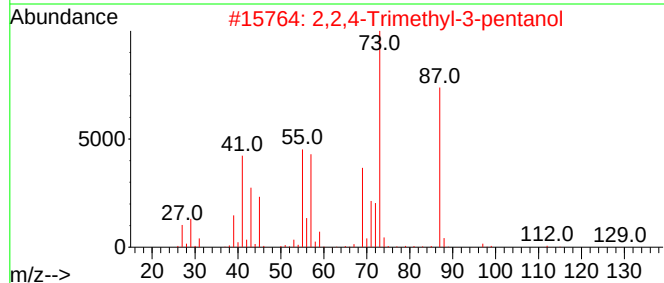
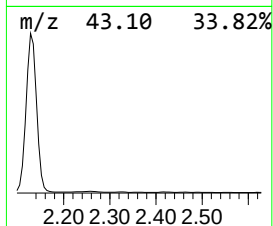
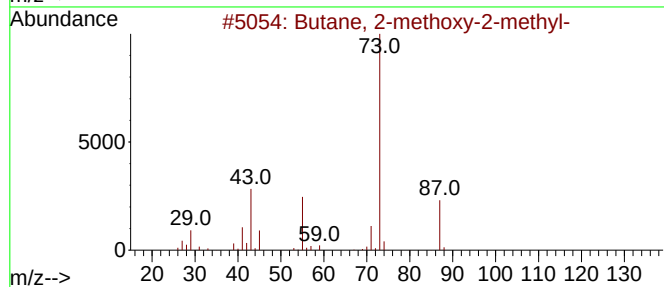
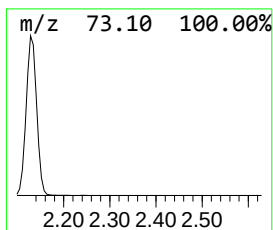
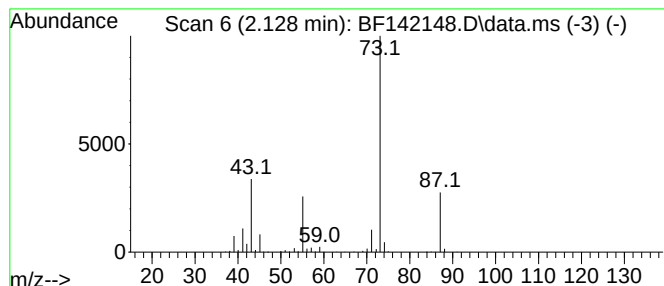
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	13.16 ng	643361	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4			N-Ethylformamide	73	C3H7NO	000627-45-2	9
5			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9



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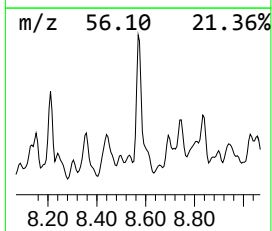
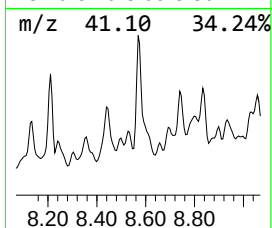
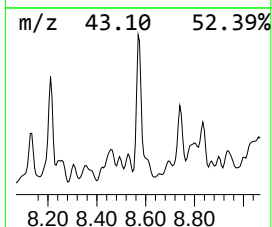
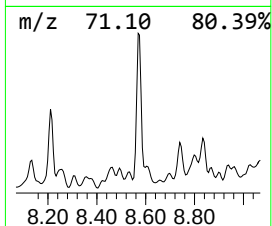
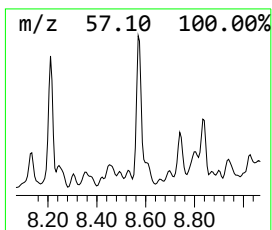
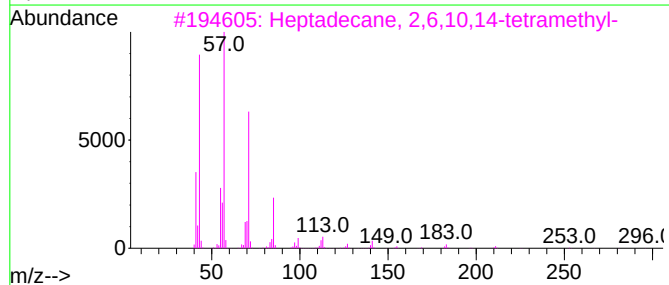
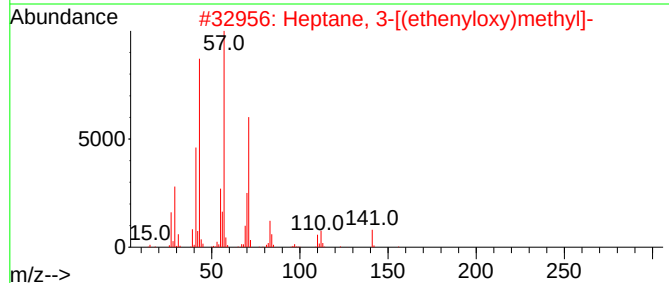
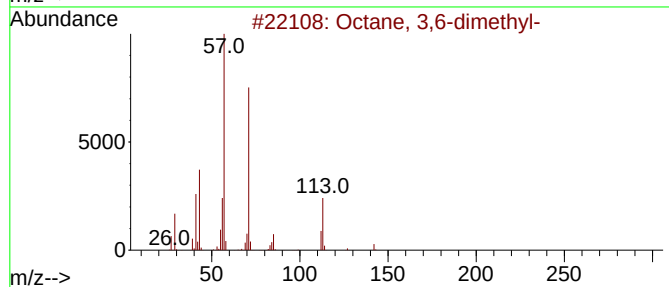
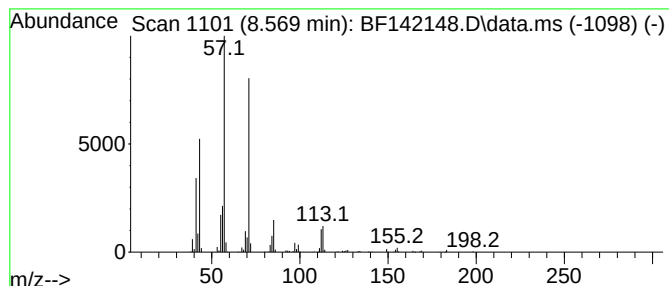
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Octane, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.569	3.96 ng	396247	Naphthalene-d8	8.151

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
2		Heptane, 3-[(ethenyloxy)methyl]-	156	C10H20O	000103-44-6	72
3		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64
4		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
5		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64



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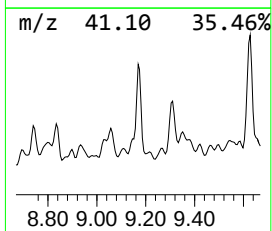
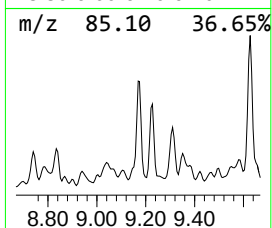
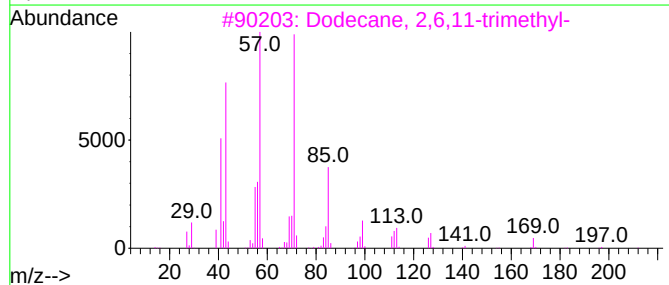
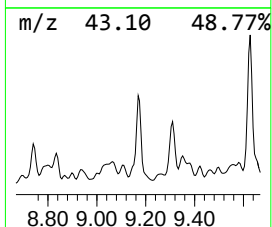
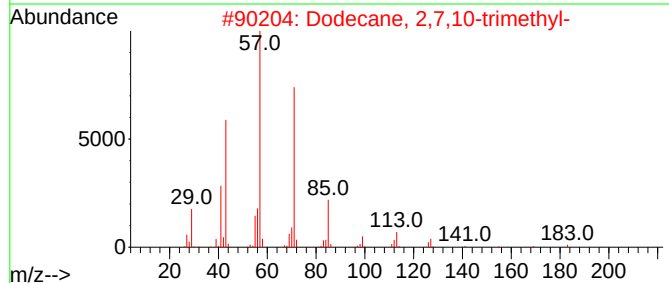
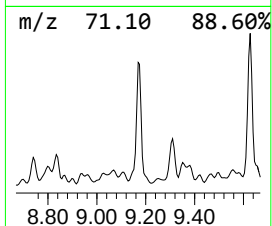
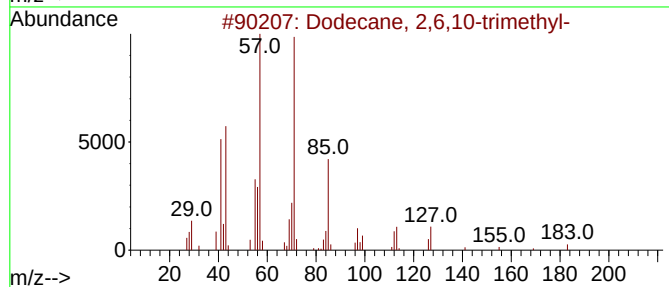
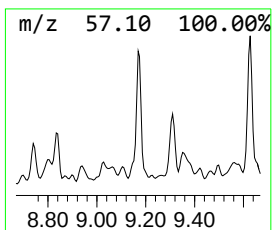
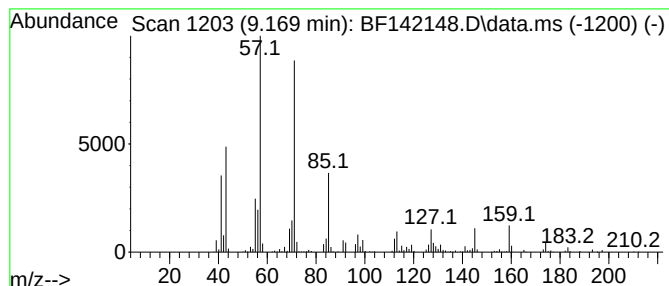
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dodecane, 2,6,10-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.169	8.28 ng	451449	Acenaphthene-d10	9.910

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	76
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	58
4		Octane, 3-ethyl-	142	C10H22	005881-17-4	50
5		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
Acq On : 28 Mar 2025 02:36
Operator : RC/JU
Sample : Q1642-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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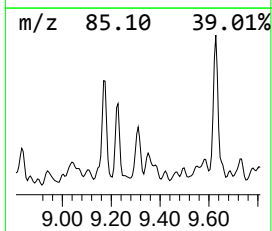
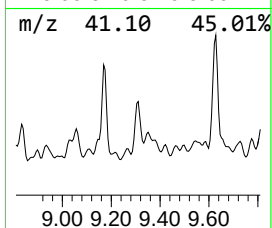
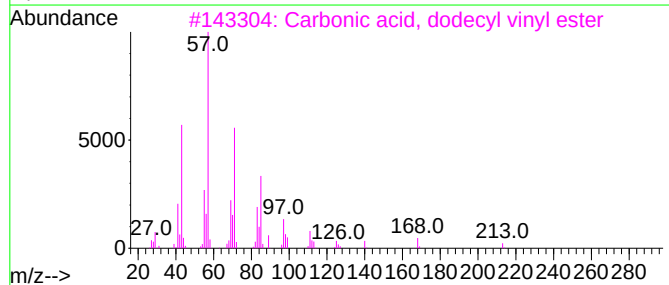
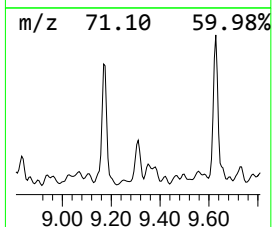
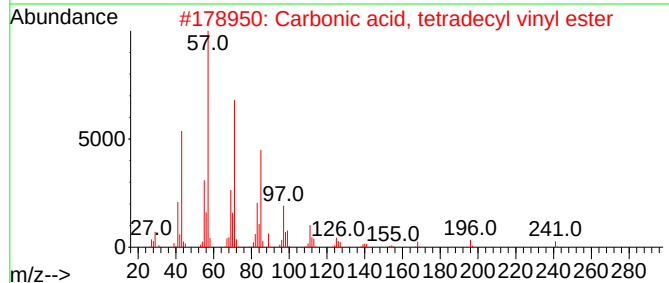
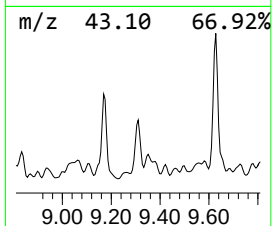
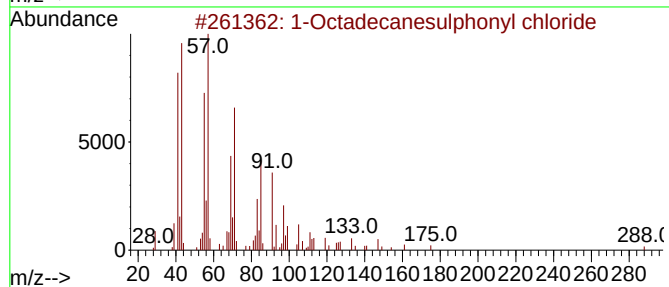
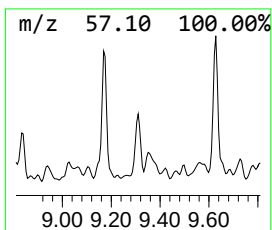
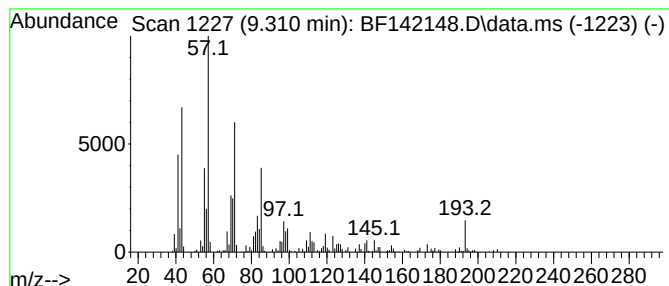
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 1-Octadecanesulphonyl chloride Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.310	7.08 ng	386040	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	83
2			Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	80
3			Carbonic acid, dodecyl vinyl ester	256	C15H28O3	1000382-54-8	80
4			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	80
5			Carbonic acid, tridecyl vinyl ester	270	C16H30O3	1000382-54-7	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
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ClientSampleId :
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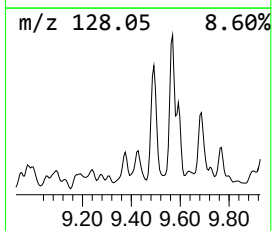
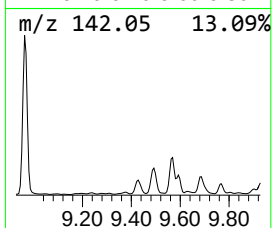
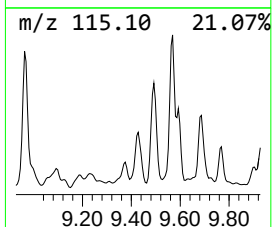
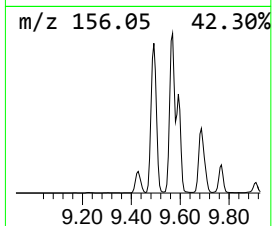
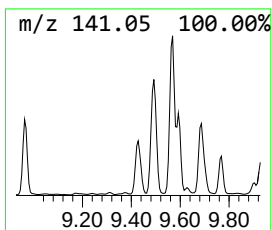
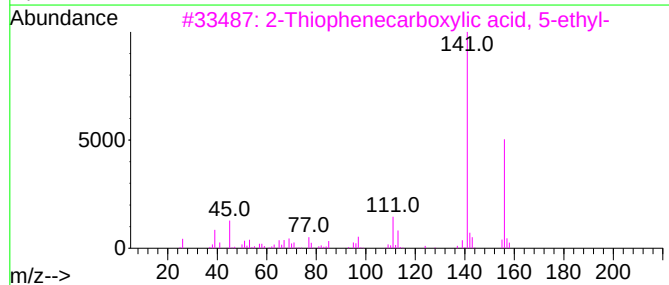
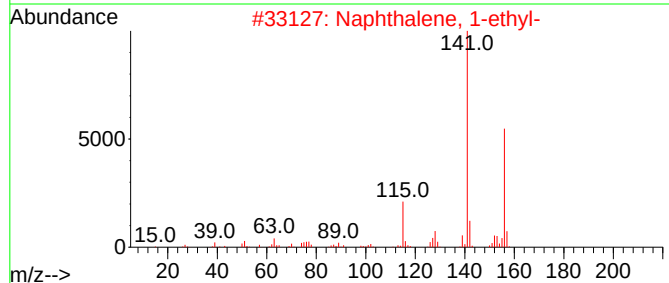
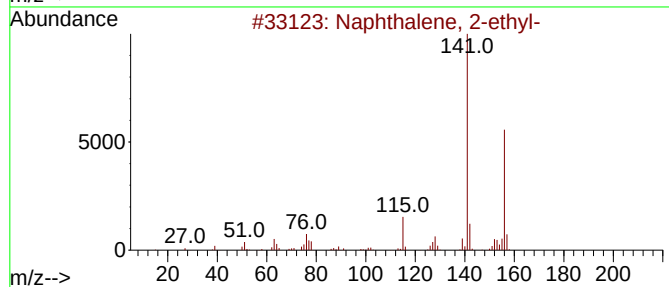
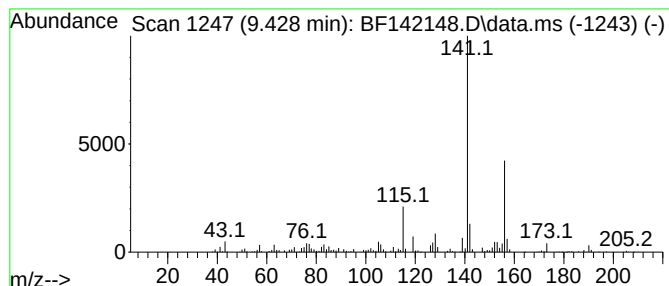
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.428	4.92 ng	267971	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3			2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4			Butethal	212	C10H16N2O3	000077-28-1	59
5			1-Naphthyl-N-(tetrahydro-2-furan...	241	C16H19NO	202198-98-9	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
Acq On : 28 Mar 2025 02:36
Operator : RC/JU
Sample : Q1642-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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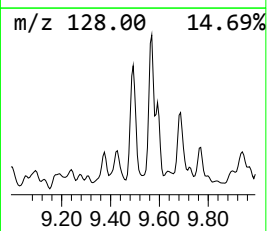
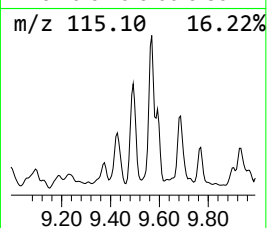
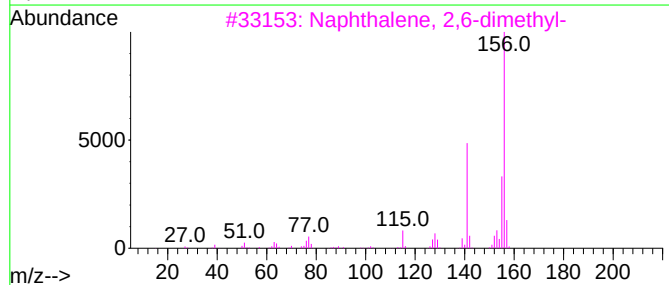
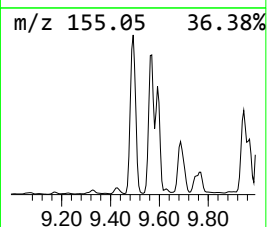
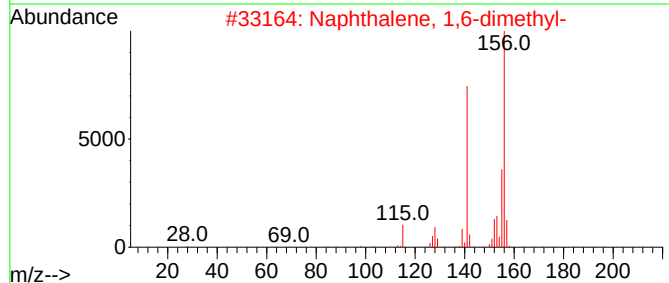
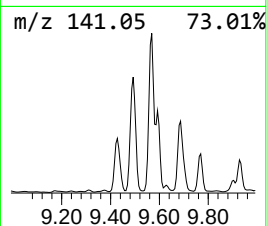
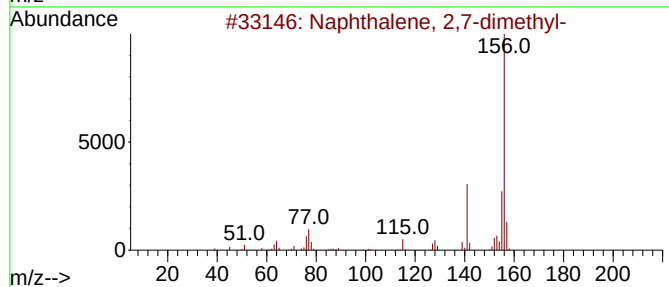
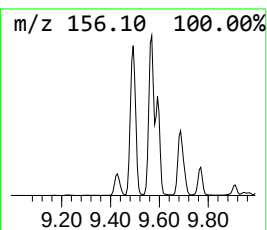
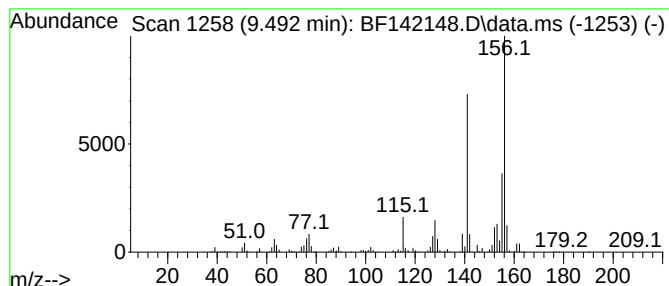
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.492	19.56 ng	1066280	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
Acq On : 28 Mar 2025 02:36
Operator : RC/JU
Sample : Q1642-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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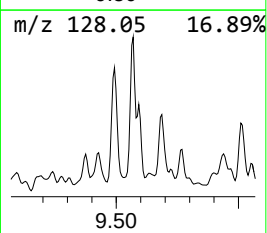
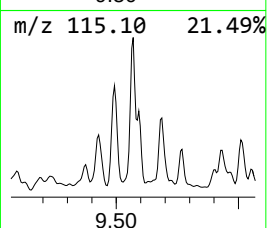
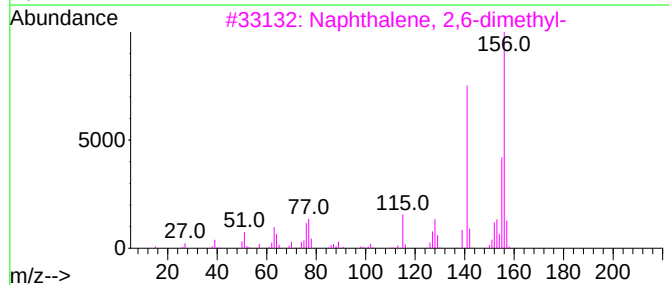
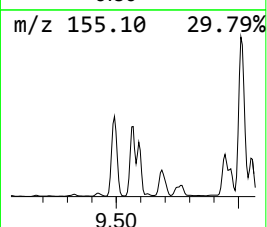
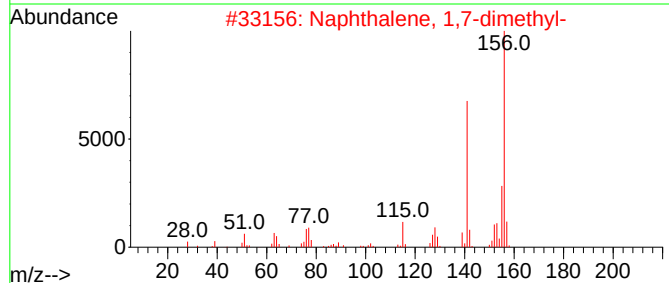
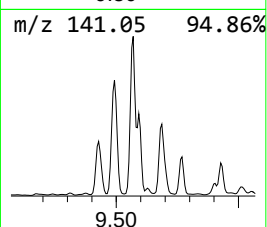
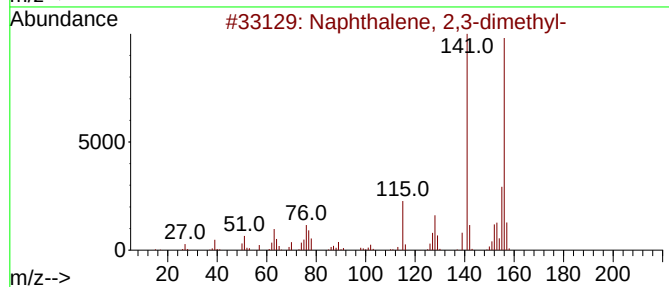
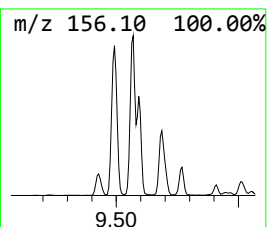
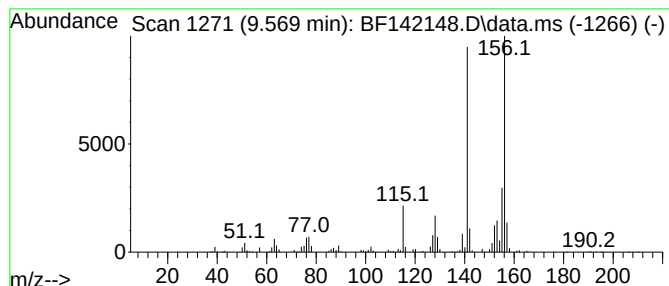
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.569	22.02 ng	1200420	Acenaphthene-d10	9.910

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
Acq On : 28 Mar 2025 02:36
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ALS Vial : 23 Sample Multiplier: 1

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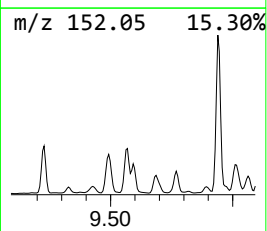
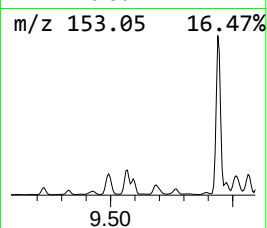
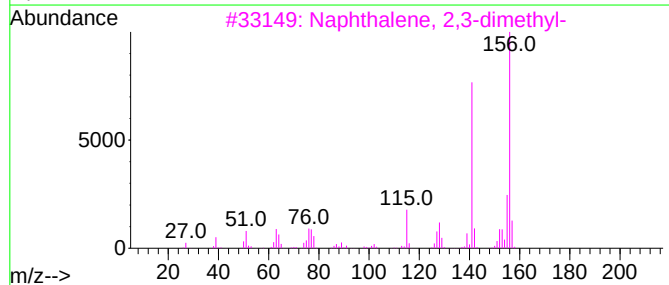
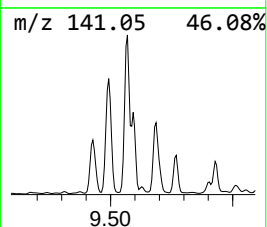
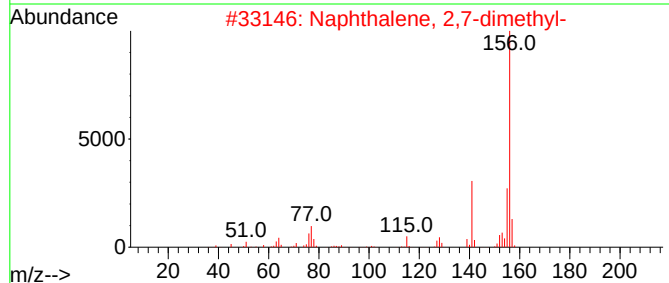
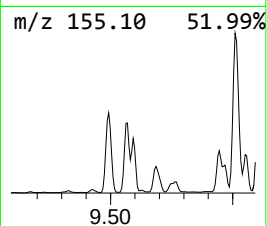
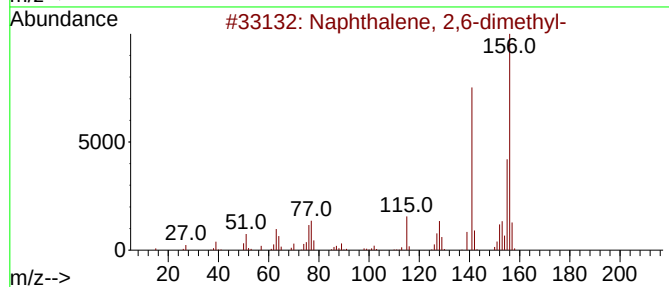
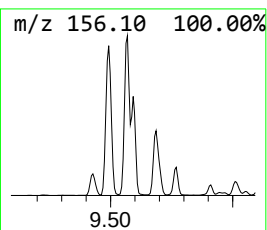
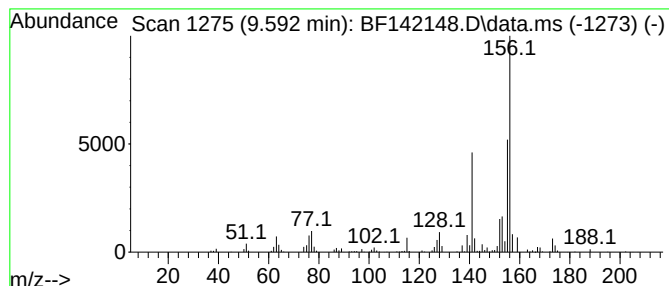
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.592	10.95 ng	596590	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	80
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	76
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	76
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	76
5			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
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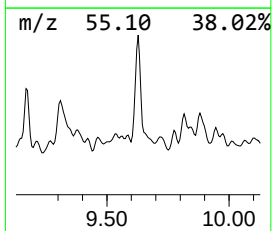
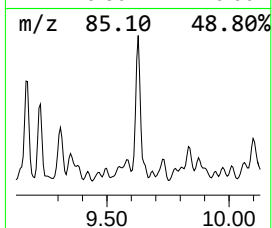
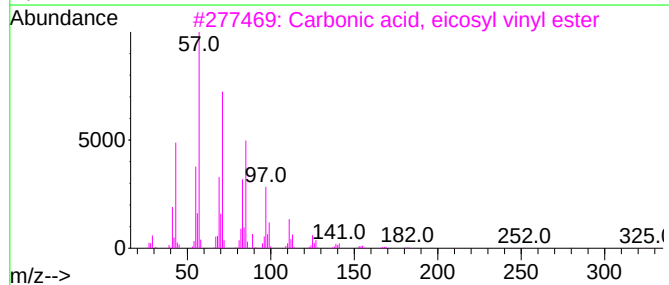
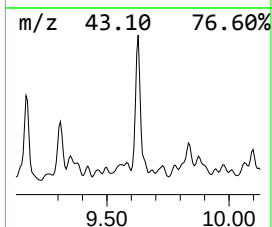
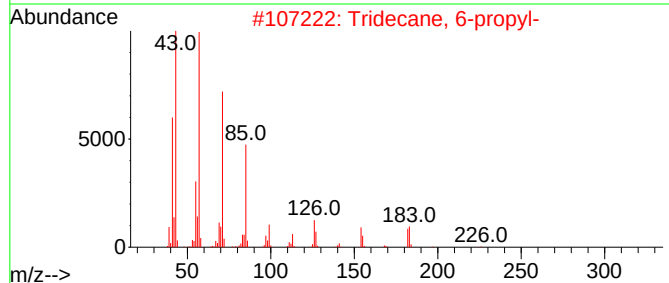
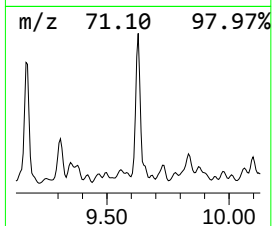
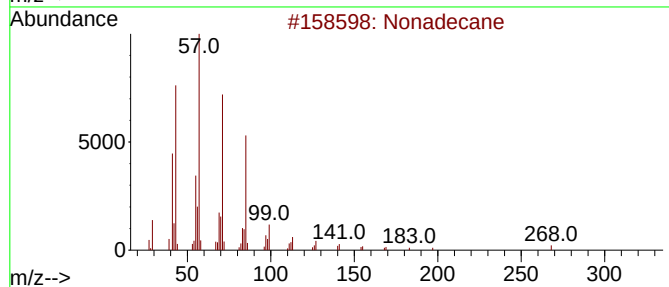
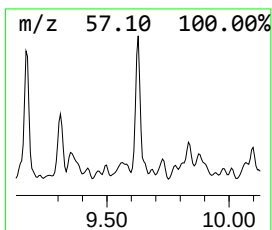
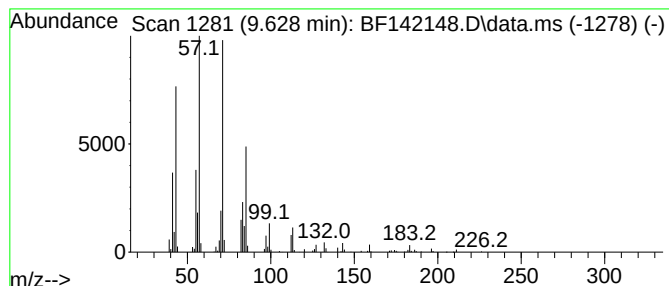
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Nonadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.628	12.85 ng	700293	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	78
2			Tridecane, 6-propyl-	226	C16H34	055045-10-8	74
3			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	72
4			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
5			Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
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ALS Vial : 23 Sample Multiplier: 1

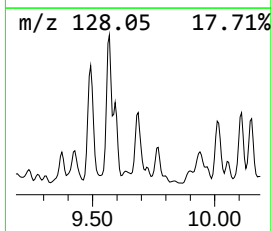
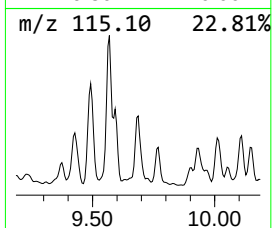
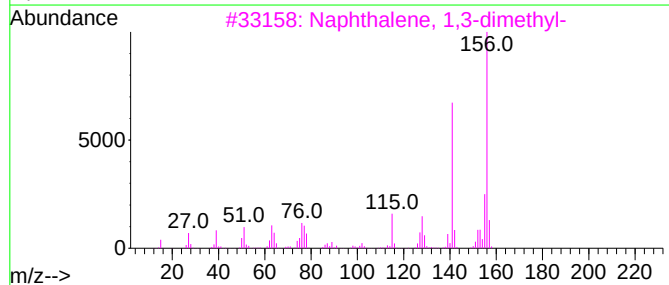
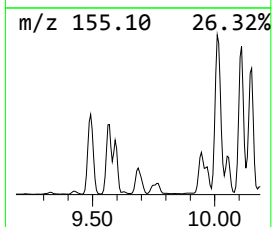
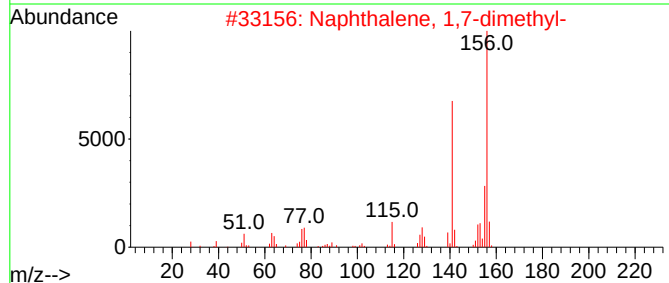
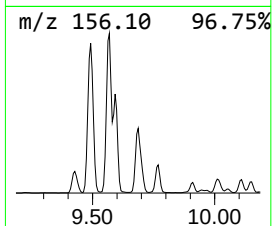
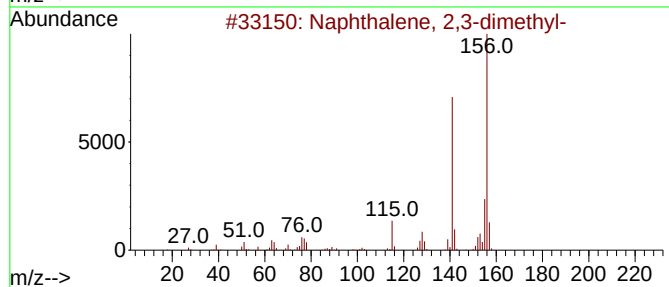
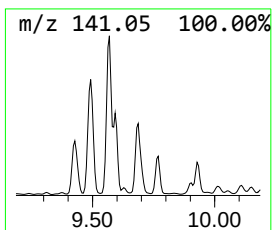
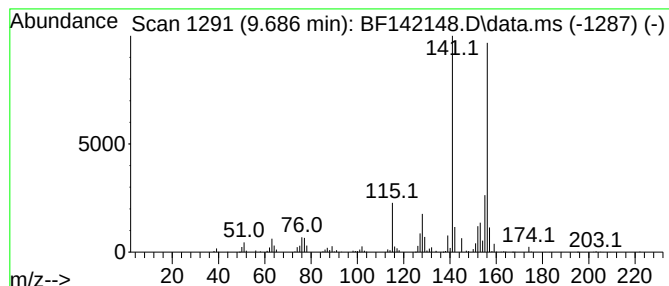
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ClientSampleId :
PAT-1-032525

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 1,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.686	8.38 ng	456648	Acenaphthene-d10	9.910	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
Acq On : 28 Mar 2025 02:36
Operator : RC/JU
Sample : Q1642-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-032525

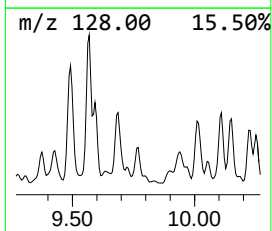
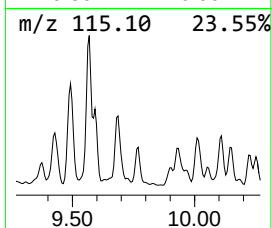
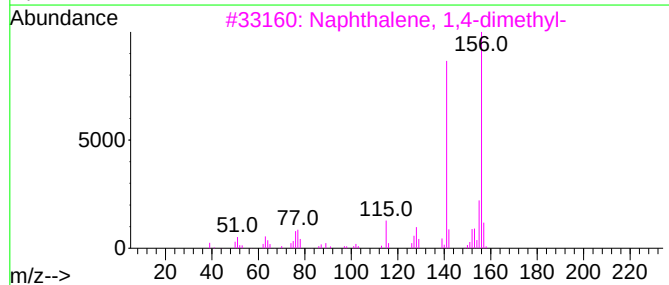
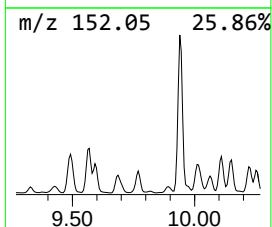
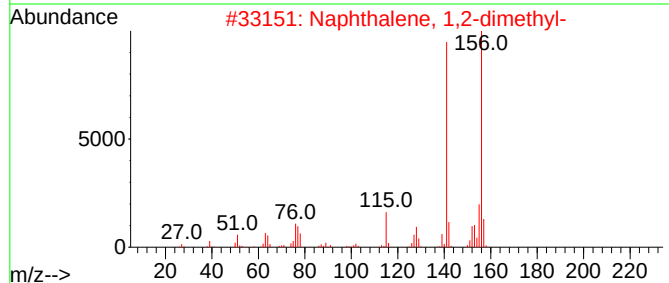
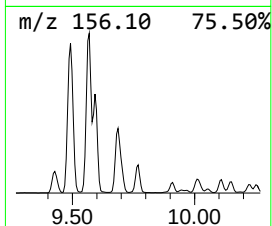
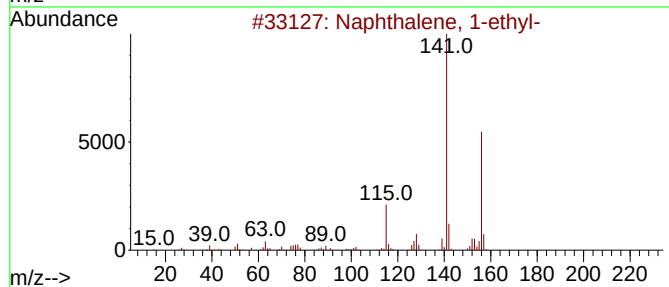
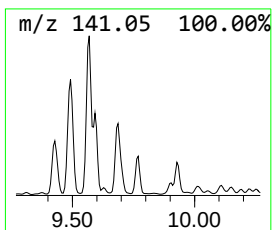
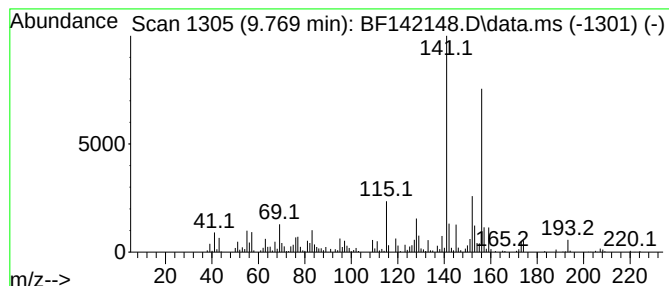
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.769	5.82 ng	316954	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
2			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	91
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	91
4			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
Acq On : 28 Mar 2025 02:36
Operator : RC/JU
Sample : Q1642-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-1-032525

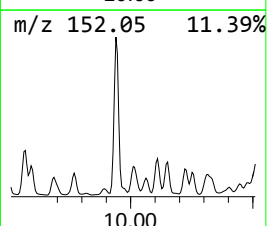
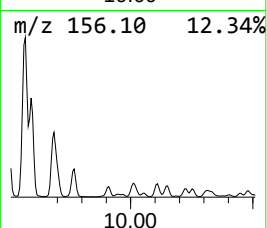
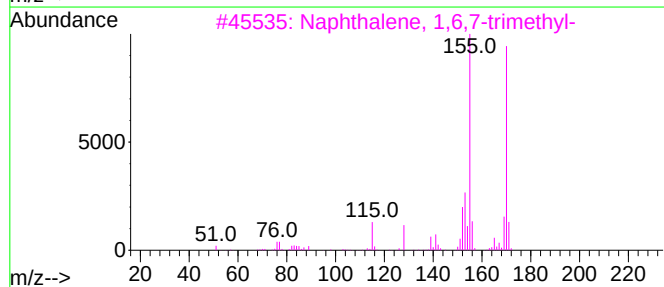
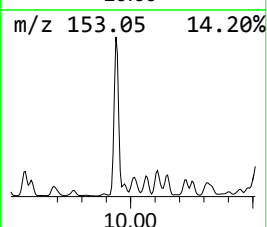
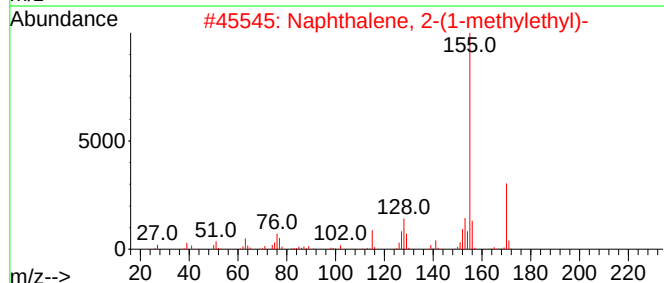
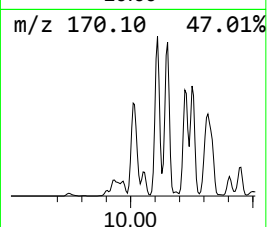
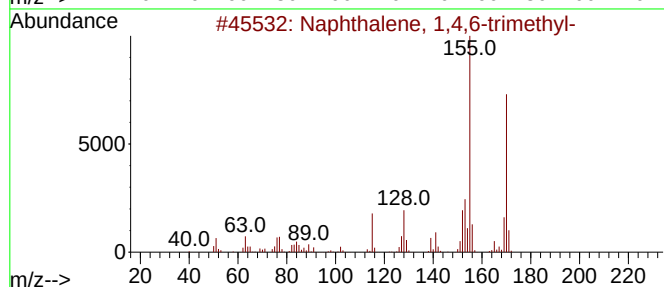
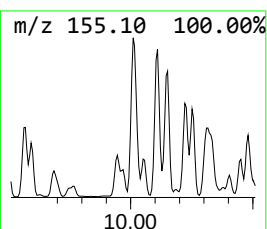
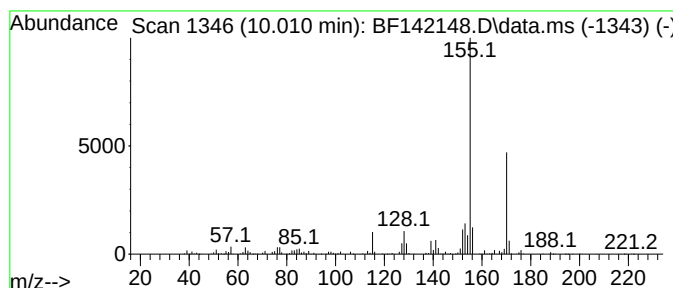
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, 1,4,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.010	9.46 ng	515681	Acenaphthene-d10	9.910

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
2		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76
4		Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	76
5		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
Acq On : 28 Mar 2025 02:36
Operator : RC/JU
Sample : Q1642-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-1-032525

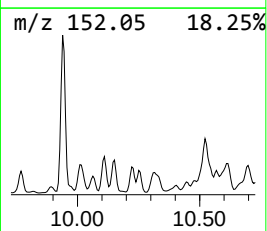
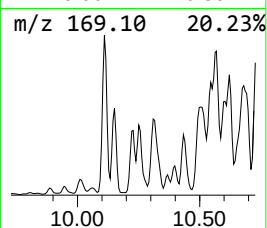
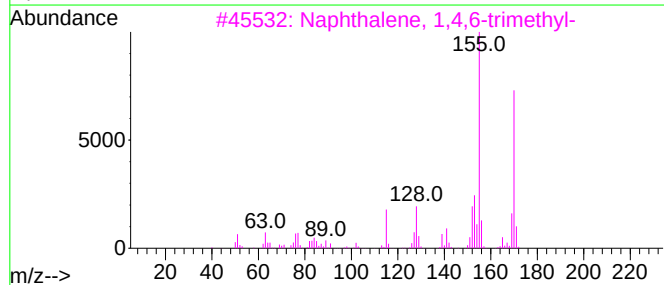
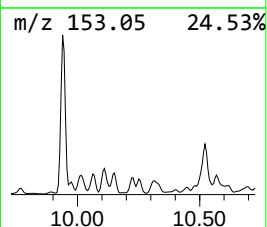
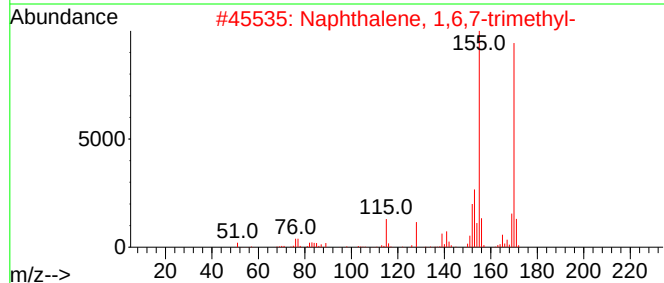
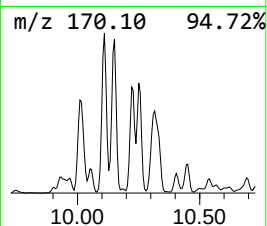
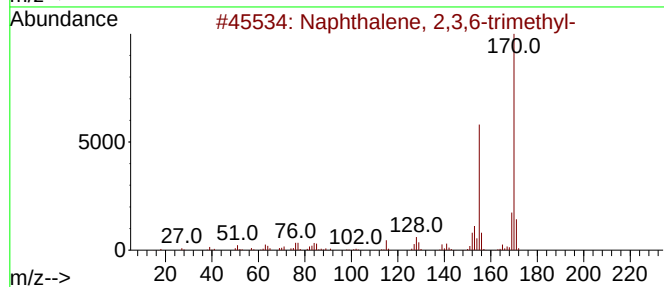
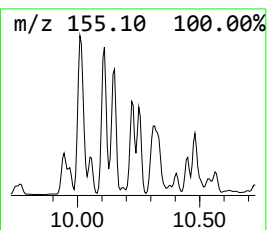
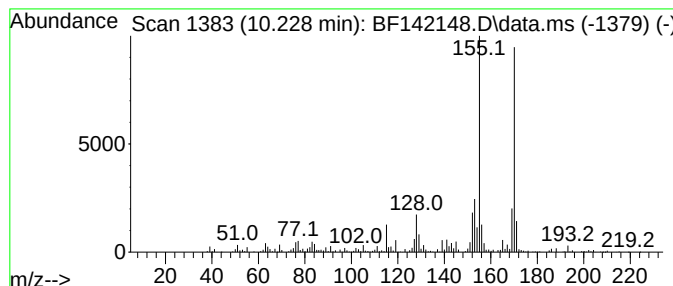
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.228	8.58 ng	467824	Acenaphthene-d10	9.910

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
Acq On : 28 Mar 2025 02:36
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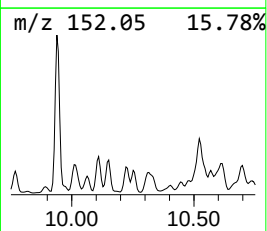
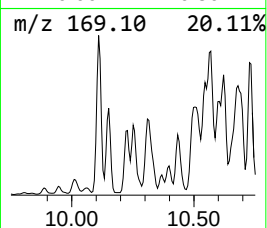
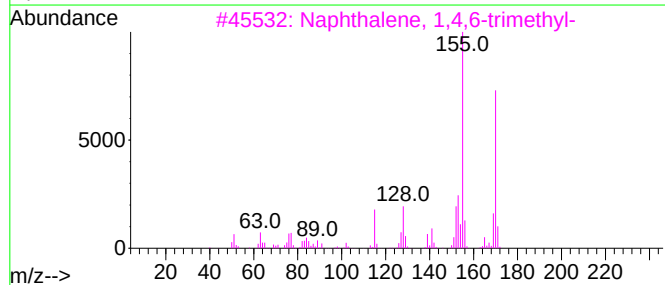
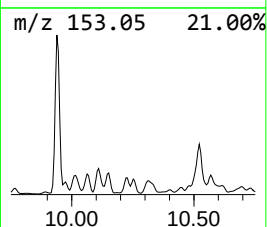
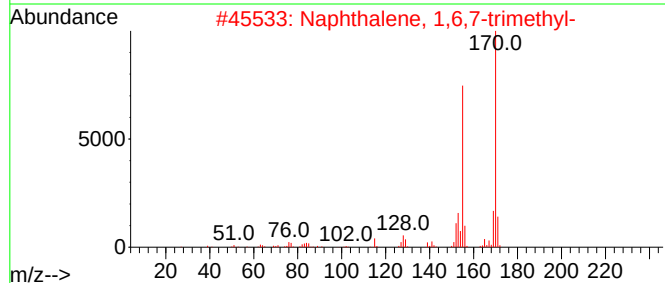
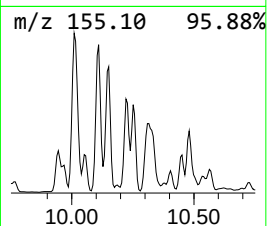
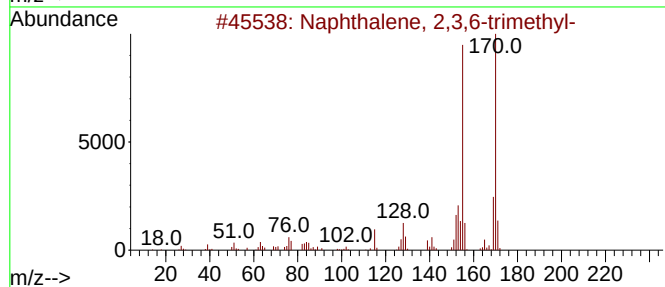
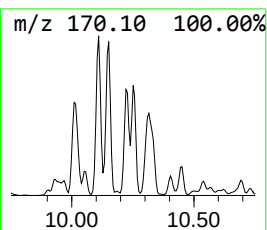
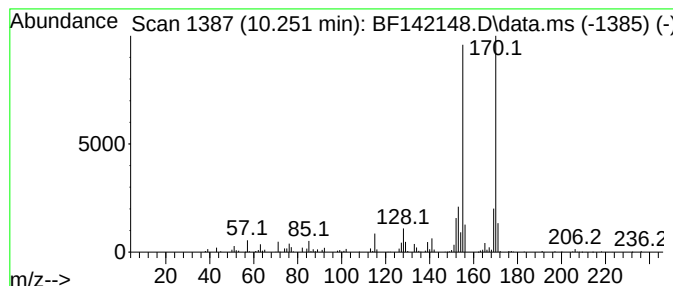
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.251	4.77 ng	260094	Acenaphthene-d10	9.910

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
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Acq On : 28 Mar 2025 02:36
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Sample : Q1642-01 2X
Misc :
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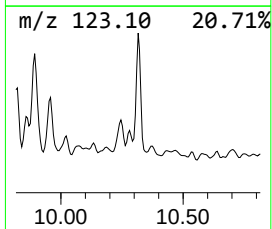
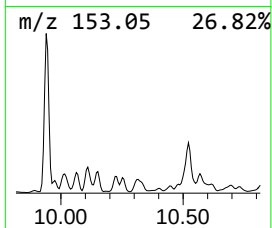
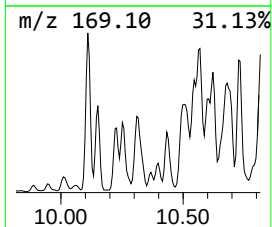
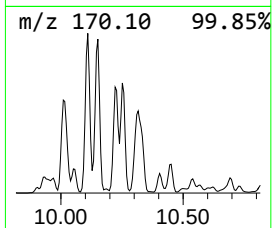
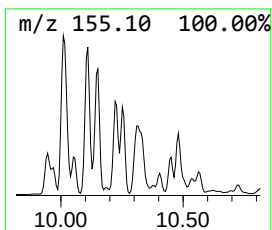
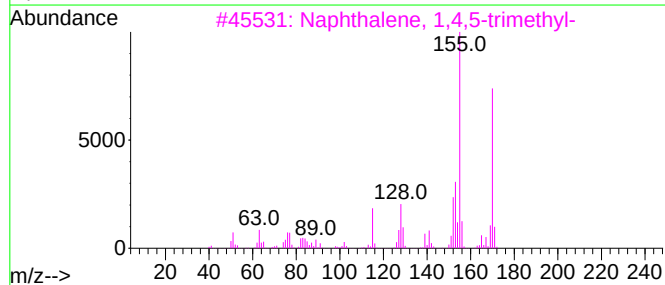
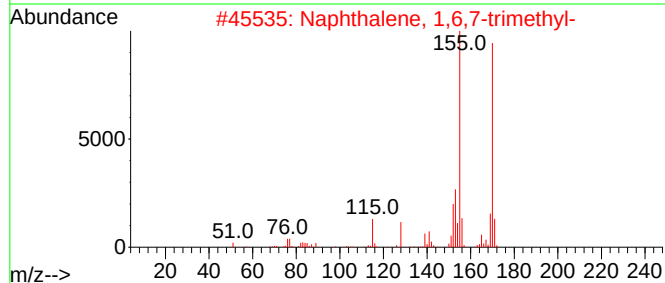
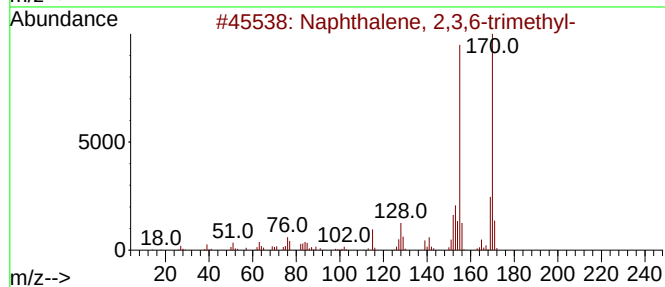
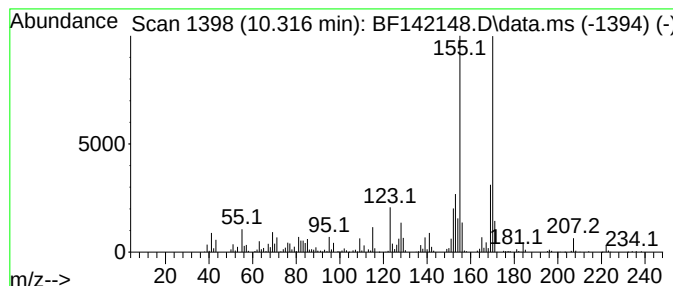
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Naphthalene, 1,4,5-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.316	10.12 ng	551363	Acenaphthene-d10	9.910	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
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Acq On : 28 Mar 2025 02:36
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ClientSampleId :
PAT-1-032525

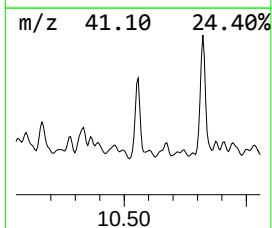
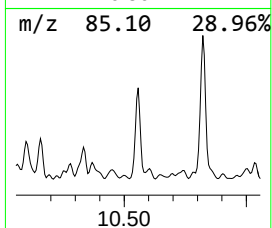
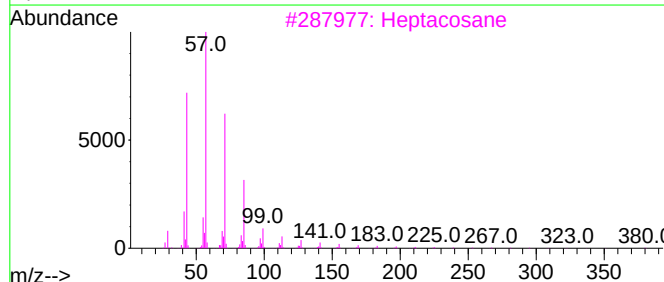
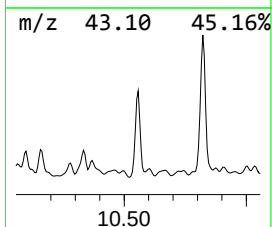
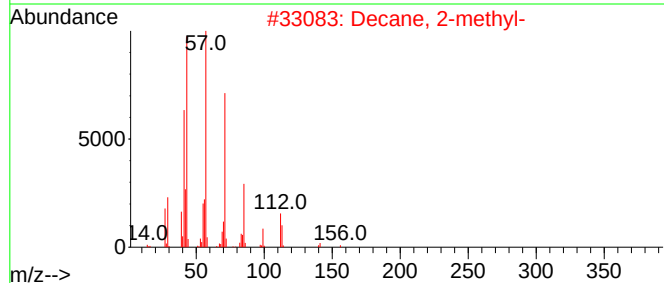
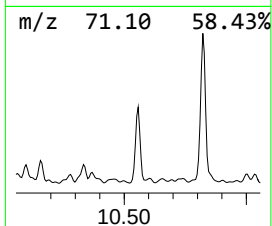
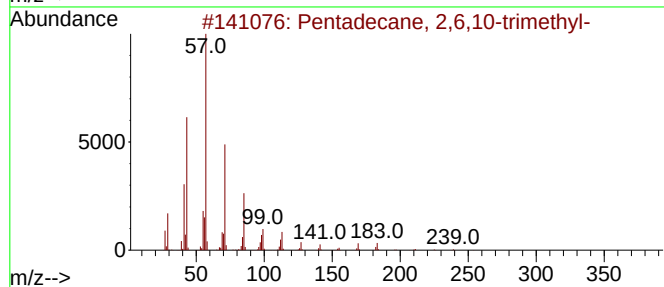
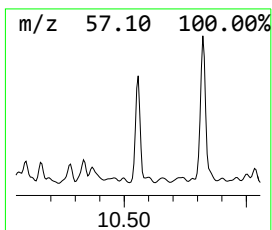
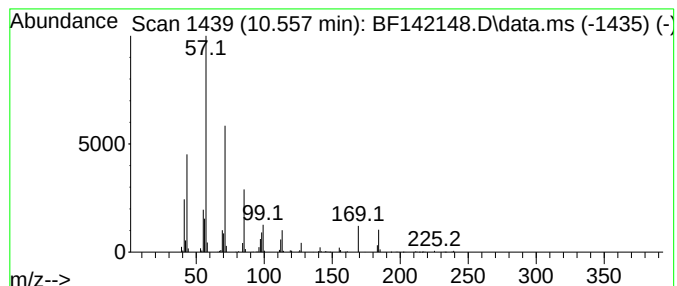
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Pentadecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.557	11.22 ng	611544	Acenaphthene-d10	9.910

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
2		Decane, 2-methyl-	156	C11H24	006975-98-0	70
3		Heptacosane	380	C27H56	000593-49-7	64
4		Tridecane	184	C13H28	000629-50-5	64
5		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
Acq On : 28 Mar 2025 02:36
Operator : RC/JU
Sample : Q1642-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

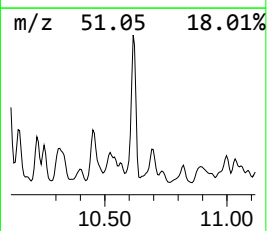
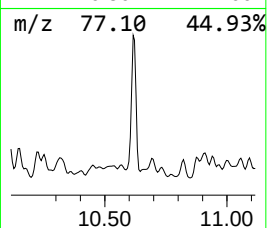
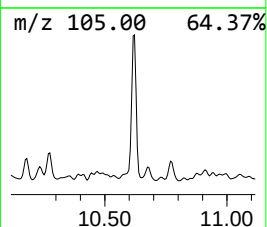
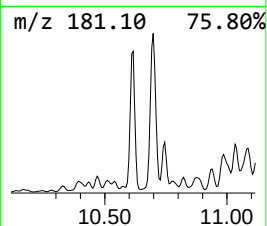
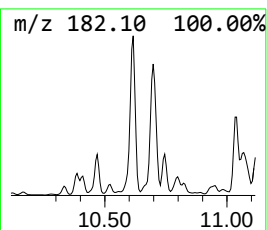
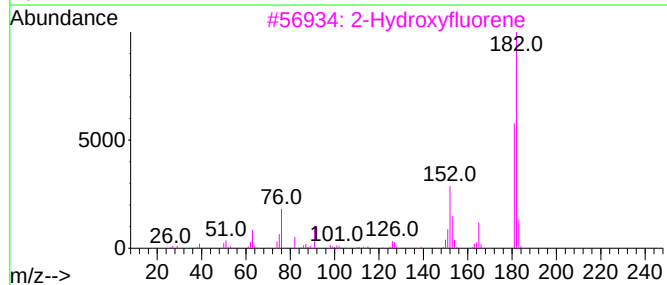
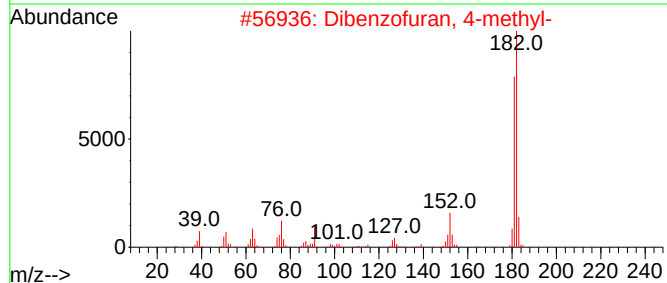
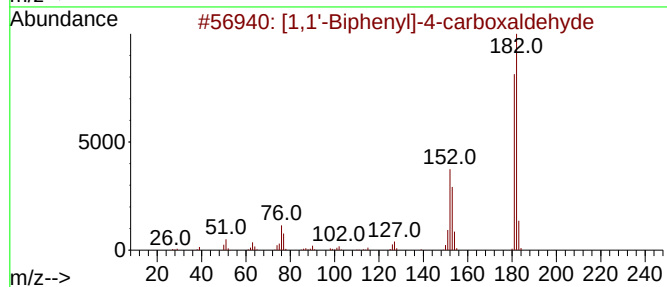
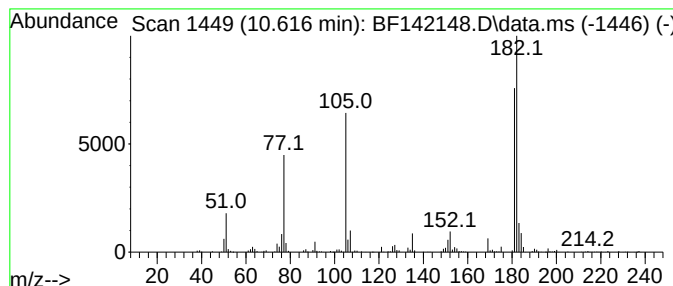
Instrument :
BNA_F
ClientSampleId :
PAT-1-032525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.616	7.75 ng	422218	Acenaphthene-d10		9.910	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde		182	C13H10O	003218-36-8	62
2	Dibenzofuran, 4-methyl-		182	C13H10O	007320-53-8	59
3	2-Hydroxyfluorene		182	C13H10O	002443-58-5	59
4	Benzaldehyde, 4-hydroxy-3,5-dime...		182	C9H10O4	000134-96-3	53
5	9H-Fluoren-3-ol		182	C13H10O	006344-67-8	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
Acq On : 28 Mar 2025 02:36
Operator : RC/JU
Sample : Q1642-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-032525

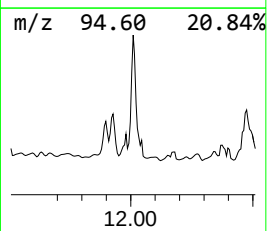
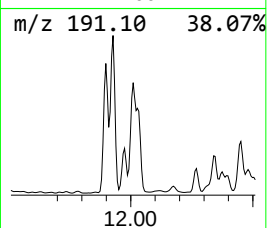
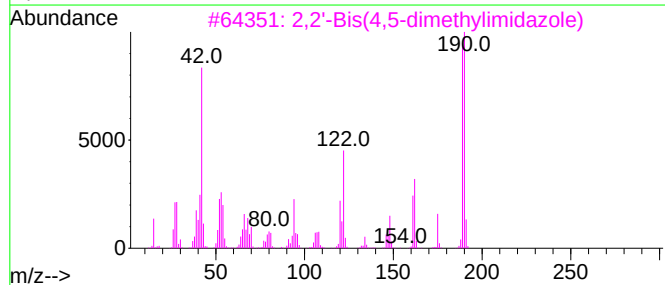
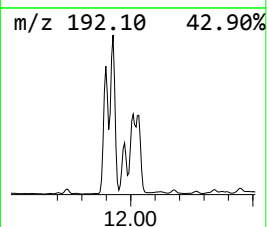
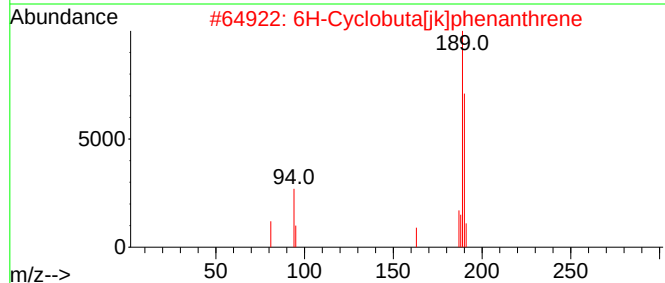
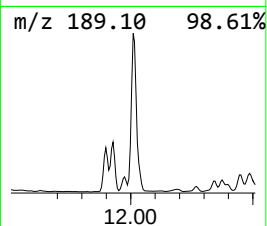
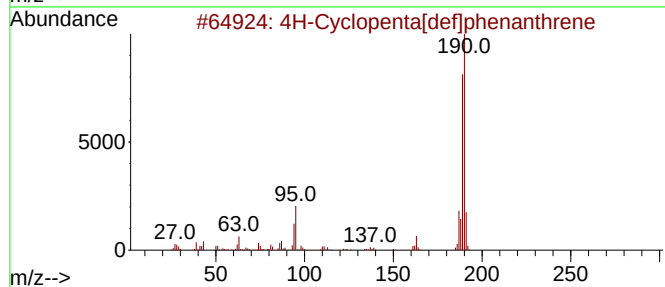
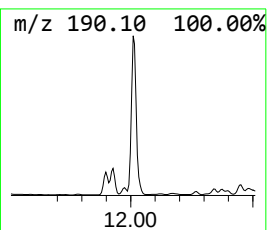
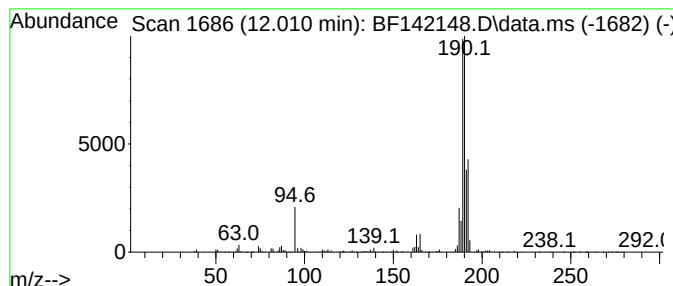
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	4.08 ng	1174450	Phenanthrene-d10	11.398

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4		2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	38
5		4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
Acq On : 28 Mar 2025 02:36
Operator : RC/JU
Sample : Q1642-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-032525

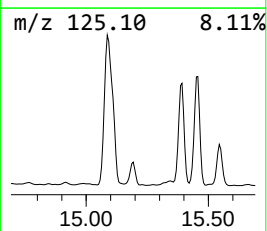
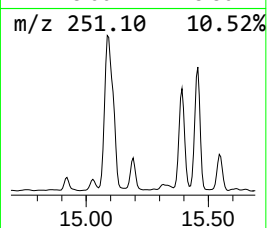
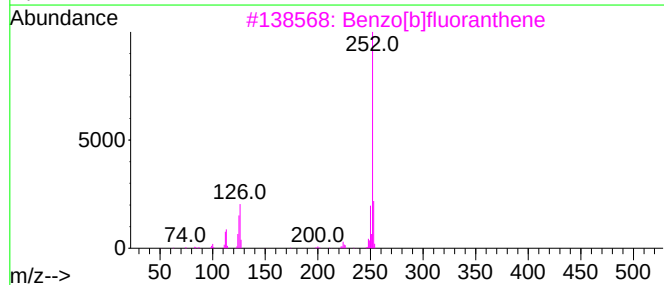
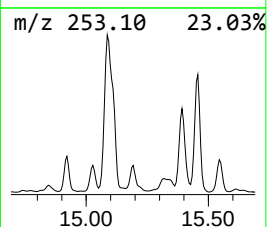
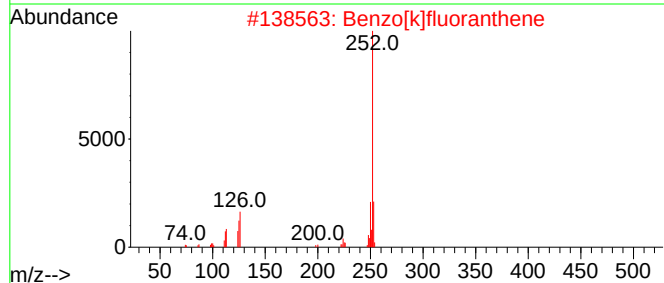
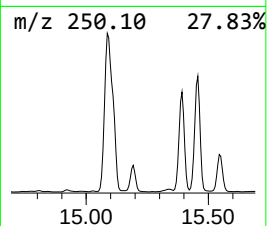
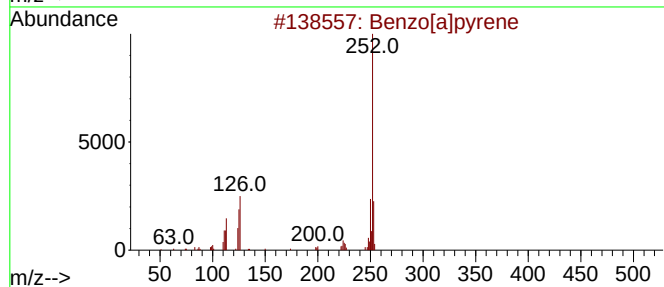
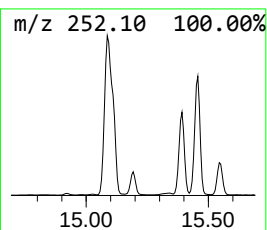
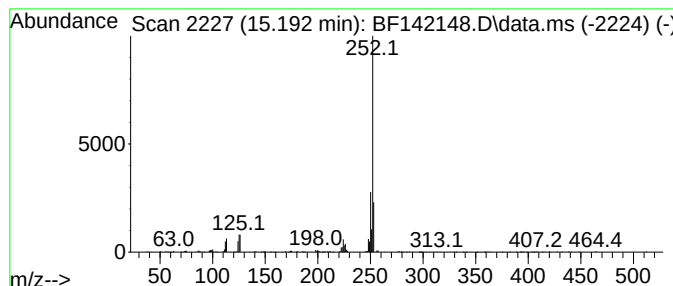
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.192	7.37 ng	209629	Perylene-d12	15.515

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[a]pyrene	252	C20H12	000050-32-8	89
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
4			Benzo[e]pyrene	252	C20H12	000192-97-2	81
5			Perylene	252	C20H12	000198-55-0	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
Acq On : 28 Mar 2025 02:36
Operator : RC/JU
Sample : Q1642-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-1-032525

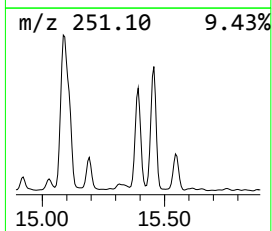
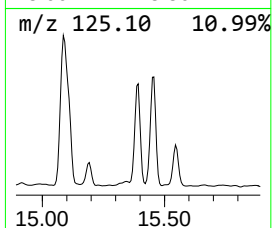
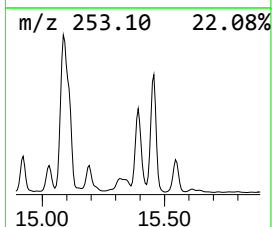
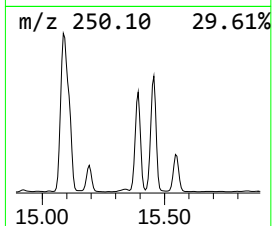
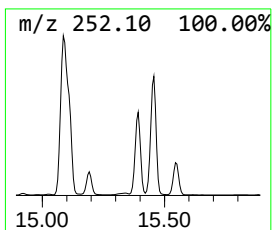
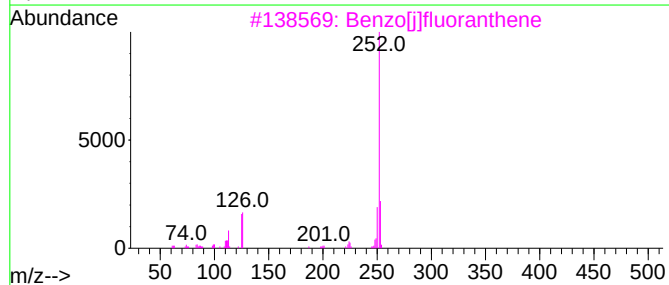
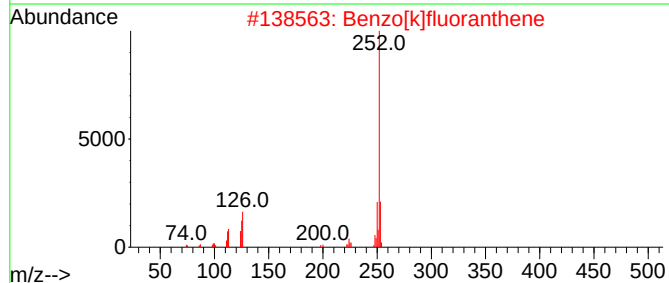
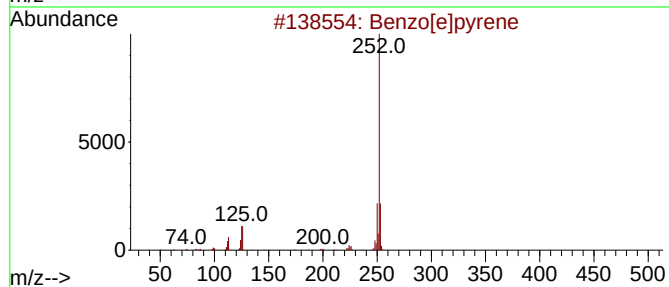
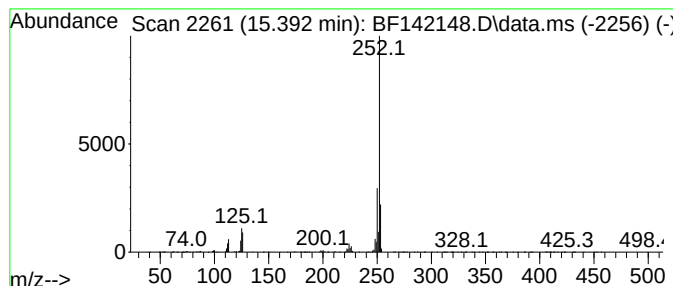
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.392	35.95 ng	1022160	Perylene-d12	15.515

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4		Perylene	252	C20H12	000198-55-0	95
5		Benzo[b]fluoranthene	252	C20H12	000205-99-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142148.D
Acq On : 28 Mar 2025 02:36
Operator : RC/JU
Sample : Q1642-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-032525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.128	13.2	ng	643361	1	6.869	977973	20.0
Octane, 3,6-dim...	8.569	4.0	ng	396247	2	8.151	2002310	20.0
Dodecane, 2,6,1...	9.169	8.3	ng	451449	3	9.910	1090110	20.0
1-Octadecanesul...	9.310	7.1	ng	386040	3	9.910	1090110	20.0
Naphthalene, 2-...	9.428	4.9	ng	267971	3	9.910	1090110	20.0
Naphthalene, 2,...	9.492	19.6	ng	1066280	3	9.910	1090110	20.0
Naphthalene, 2,...	9.569	22.0	ng	1200420	3	9.910	1090110	20.0
Naphthalene, 2,...	9.592	10.9	ng	596590	3	9.910	1090110	20.0
Nonadecane	9.628	12.9	ng	700293	3	9.910	1090110	20.0
Naphthalene, 1,...	9.686	8.4	ng	456648	3	9.910	1090110	20.0
Naphthalene, 1-...	9.769	5.8	ng	316954	3	9.910	1090110	20.0
Naphthalene, 1,...	10.010	9.5	ng	515681	3	9.910	1090110	20.0
Naphthalene, 2,...	10.228	8.6	ng	467824	3	9.910	1090110	20.0
Naphthalene, 1,...	10.251	4.8	ng	260094	3	9.910	1090110	20.0
Naphthalene, 1,...	10.316	10.1	ng	551363	3	9.910	1090110	20.0
Pentadecane, 2,...	10.557	11.2	ng	611544	3	9.910	1090110	20.0
[1,1'-Biphenyl]...	10.616	7.8	ng	422218	3	9.910	1090110	20.0
4H-Cyclopenta[d...]	12.010	4.1	ng	1174450	4	11.398	5763680	20.0
Benzo[e]pyrene	15.192	7.4	ng	209629	6	15.515	568690	20.0
Benzo[j]fluoran...	15.392	36.0	ng	1022160	6	15.515	568690	20.0