

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092920\
 Data File : BF121736.D
 Acq On : 29 Sep 2020 17:50
 Operator : JU/CG
 Sample : L4173-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-(0-6FT)

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-BF091020.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	4.993	491	494	504	rBV	42209	56462	1.85%	0.126%
2	5.404	560	564	580	rVB	2572446	2374627	77.96%	5.303%
3	6.422	733	737	752	rBV	2624456	2521810	82.80%	5.631%
4	6.616	766	770	775	rBV3	154343	170546	5.60%	0.381%
5	6.787	795	799	805	rVB	949496	864699	28.39%	1.931%
6	7.351	885	895	897	rBV	1698851	1804003	59.23%	4.028%
7	7.381	897	900	906	rVB2	35705	40525	1.33%	0.090%
8	8.069	1010	1017	1019	rBV	1274603	1128180	37.04%	2.519%
9	8.086	1019	1020	1025	rVB	123046	89011	2.92%	0.199%
10	8.492	1084	1089	1094	rBV3	36140	49793	1.63%	0.111%
11	8.663	1114	1118	1122	rBV	59386	51874	1.70%	0.116%
12	8.781	1131	1138	1143	rVB	105938	93655	3.07%	0.209%
13	8.881	1152	1155	1158	rVB	64068	54501	1.79%	0.122%
14	9.145	1194	1200	1203	rBV	3535392	3045767	100.00%	6.801%
15	9.228	1208	1214	1215	rBV2	76012	76232	2.50%	0.170%
16	9.410	1238	1245	1248	rBV	38351	54733	1.80%	0.122%
17	9.480	1254	1257	1259	rBV	72436	66118	2.17%	0.148%
18	9.539	1263	1267	1271	rVB	497837	431561	14.17%	0.964%
19	9.639	1281	1284	1288	rBV3	25380	39530	1.30%	0.088%
20	9.680	1288	1291	1295	rVB	193433	160561	5.27%	0.359%
21	9.757	1301	1304	1309	rVB	83714	72524	2.38%	0.162%
22	9.822	1309	1315	1318	rBV	1355724	1142806	37.52%	2.552%
23	9.851	1318	1320	1324	rVB	168450	147224	4.83%	0.329%
24	9.928	1330	1333	1337	rBV3	24797	33864	1.11%	0.076%
25	9.975	1337	1341	1345	rBV4	28827	40929	1.34%	0.091%
26	10.028	1345	1350	1354	rVV	126346	128828	4.23%	0.288%
27	10.228	1380	1384	1386	rBV2	39096	44723	1.47%	0.100%
28	10.251	1386	1388	1390	rVB	94285	69958	2.30%	0.156%
29	10.369	1405	1408	1414	rVB	183956	176234	5.79%	0.394%
30	10.475	1424	1426	1429	rVB2	51926	44387	1.46%	0.099%
31	10.528	1432	1435	1438	rVB	57708	55971	1.84%	0.125%
32	10.610	1443	1449	1453	rBV	1682676	1458944	47.90%	3.258%
33	10.733	1466	1470	1477	rBV3	140931	229055	7.52%	0.511%
34	10.916	1494	1501	1504	rBV4	53525	82683	2.71%	0.185%

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
 Data File : BF121736.D
 Acq On : 29 Sep 2020 17:50
 Operator : JU/CG
 Sample : L4173-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-(0-6FT)

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-BF091020.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.045	1518	1523	1525	rBV3	38799	51445	1.69%	0.115%
36	11.110	1532	1534	1539	rVB	94371	81264	2.67%	0.181%
37	11.175	1539	1545	1547	rVV3	121170	180777	5.94%	0.404%
38	11.204	1547	1550	1555	rVB	165833	158885	5.22%	0.355%
39	11.310	1563	1568	1570	rBV	1110036	1177422	38.66%	2.629%
40	11.333	1570	1572	1575	rVV	1799059	1336092	43.87%	2.984%
41	11.363	1575	1577	1578	rVV	71265	63326	2.08%	0.141%
42	11.380	1578	1580	1583	rVV	522303	408337	13.41%	0.912%
43	11.416	1583	1586	1589	rVV	104417	96440	3.17%	0.215%
44	11.539	1601	1607	1609	rBV2	300106	335688	11.02%	0.750%
45	11.598	1615	1617	1621	rVV2	103709	90495	2.97%	0.202%
46	11.639	1621	1624	1628	rVB3	63140	60196	1.98%	0.134%
47	11.722	1635	1638	1642	rVB	33050	36447	1.20%	0.081%
48	11.810	1649	1653	1655	rBV	237900	221541	7.27%	0.495%
49	11.833	1655	1657	1661	rVB	398323	352460	11.57%	0.787%
50	11.880	1662	1665	1668	rBV	120624	119404	3.92%	0.267%
51	11.922	1668	1672	1674	rVV2	384942	422805	13.88%	0.944%
52	11.939	1674	1675	1679	rVB	188646	151105	4.96%	0.337%
53	11.986	1680	1683	1685	rBV2	54977	54195	1.78%	0.121%
54	12.010	1685	1687	1690	rVB2	100427	83234	2.73%	0.186%
55	12.104	1700	1703	1705	rBV	165194	133063	4.37%	0.297%
56	12.127	1705	1707	1710	rVB2	189143	159711	5.24%	0.357%
57	12.251	1723	1728	1731	rBV3	103817	132634	4.35%	0.296%
58	12.286	1731	1734	1736	rVV	91997	85876	2.82%	0.192%
59	12.310	1736	1738	1740	rVB	73654	58719	1.93%	0.131%
60	12.357	1743	1746	1749	rBV	213982	243738	8.00%	0.544%
61	12.398	1749	1753	1755	rVV	151228	177273	5.82%	0.396%
62	12.445	1758	1761	1766	rBV2	152221	163485	5.37%	0.365%
63	12.521	1770	1774	1778	rVB	2342550	2130371	69.95%	4.757%
64	12.563	1779	1781	1783	rBV	61652	61434	2.02%	0.137%
65	12.616	1787	1790	1792	rVB	87859	75710	2.49%	0.169%
66	12.651	1792	1796	1798	rBV3	86473	124030	4.07%	0.277%
67	12.751	1807	1813	1816	rBV	2097592	2261583	74.25%	5.050%
68	12.798	1818	1821	1826	rVB2	122799	177751	5.84%	0.397%
69	12.869	1830	1833	1834	rBV2	146377	140544	4.61%	0.314%
70	12.892	1834	1837	1843	rVB	2960947	2815106	92.43%	6.286%
71	12.969	1845	1850	1853	rBV3	209170	321617	10.56%	0.718%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092920\
 Data File : BF121736.D
 Acq On : 29 Sep 2020 17:50
 Operator : JU/CG
 Sample : L4173-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-(0-6FT)

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-BF091020.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.998	1853	1855	1857	rVB	88230	66875	2.20%	0.149%
73	13.021	1857	1859	1861	rBV2	52607	53070	1.74%	0.119%
74	13.051	1861	1864	1866	rBV4	162521	203642	6.69%	0.455%
75	13.074	1866	1868	1872	rVB	421934	418064	13.73%	0.934%
76	13.121	1872	1876	1877	rBV3	122944	142910	4.69%	0.319%
77	13.145	1877	1880	1882	rVB	286769	229417	7.53%	0.512%
78	13.180	1882	1886	1889	rBV2	297840	310483	10.19%	0.693%
79	13.274	1899	1902	1904	rVB	205722	163761	5.38%	0.366%
80	13.304	1904	1907	1914	rBV2	210068	253611	8.33%	0.566%
81	13.586	1952	1955	1959	rVB	236649	254561	8.36%	0.568%
82	13.692	1970	1973	1976	rBV3	211708	244372	8.02%	0.546%
83	13.721	1976	1978	1980	rVV	191795	158641	5.21%	0.354%
84	13.745	1980	1982	1988	rVV3	150317	238712	7.84%	0.533%
85	13.798	1988	1991	1998	rVB2	420807	562469	18.47%	1.256%
86	13.945	2009	2016	2019	rBV2	1516436	2460169	80.77%	5.494%
87	13.974	2019	2021	2024	rVB	1175039	909676	29.87%	2.031%
88	14.051	2032	2034	2036	rBV	159044	109035	3.58%	0.243%
89	14.333	2080	2082	2085	rVB	260578	210798	6.92%	0.471%
90	14.368	2085	2088	2091	rVB2	153548	153789	5.05%	0.343%
91	14.457	2101	2103	2105	rVB2	147592	103182	3.39%	0.230%
92	14.980	2187	2192	2195	rBV	1093730	1611826	52.92%	3.599%
93	15.080	2207	2209	2212	rBV	194039	189639	6.23%	0.423%
94	15.274	2238	2242	2247	rVB	654217	796394	26.15%	1.778%
95	15.333	2248	2252	2258	rVV	787565	941713	30.92%	2.103%
96	15.398	2258	2263	2265	rVV	552367	722575	23.72%	1.614%
97	15.421	2265	2267	2275	rVB2	265182	349291	11.47%	0.780%
98	16.821	2500	2505	2513	rVB2	368261	715947	23.51%	1.599%
99	17.251	2573	2578	2587	rVB	295256	561361	18.43%	1.254%

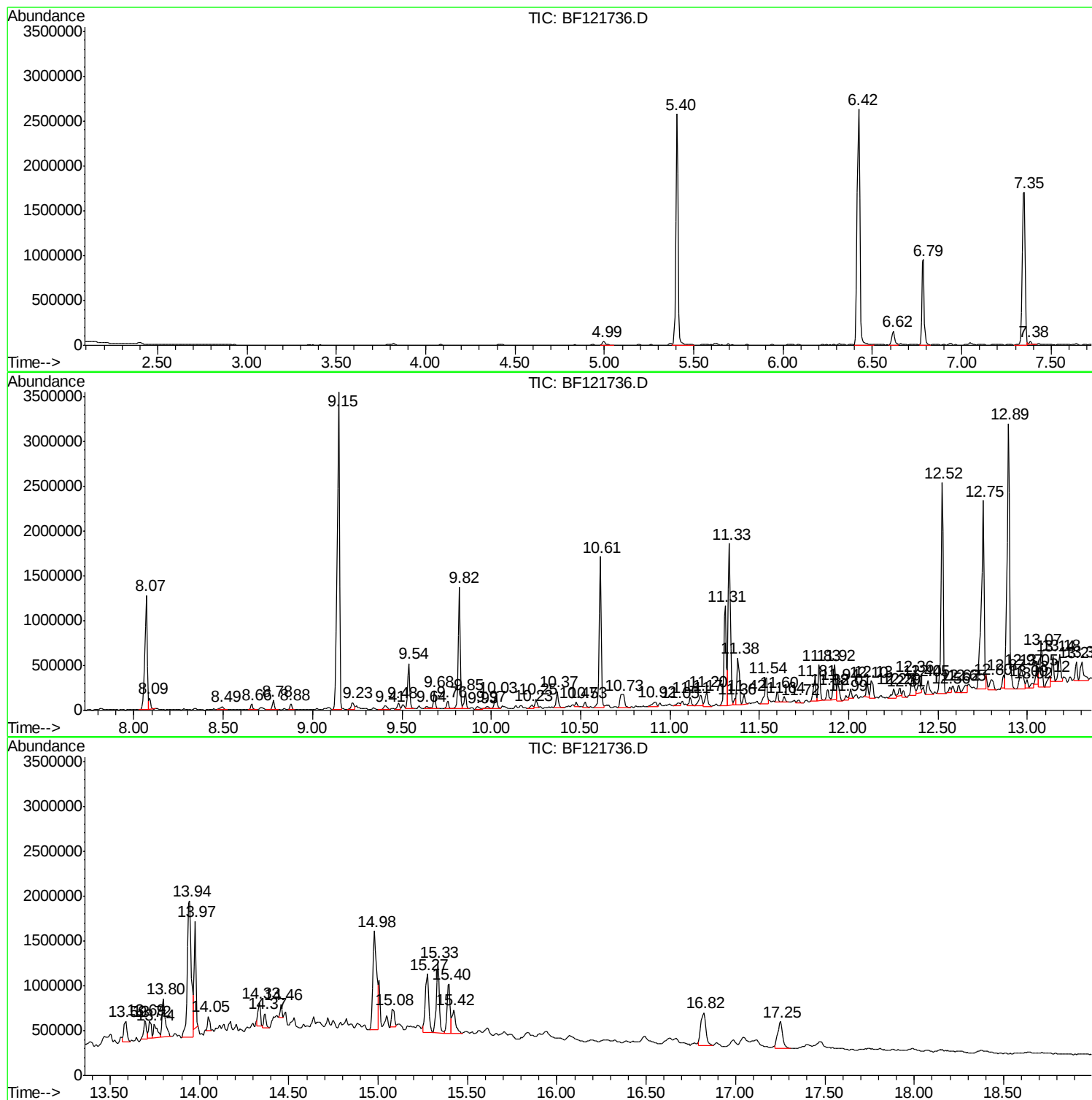
Sum of corrected areas: 44782504

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

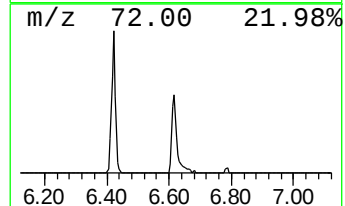
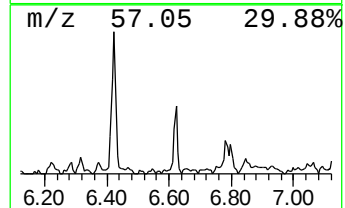
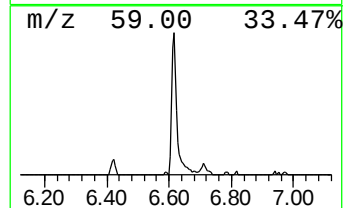
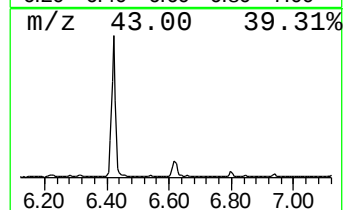
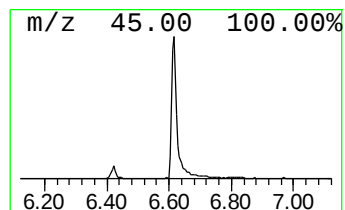
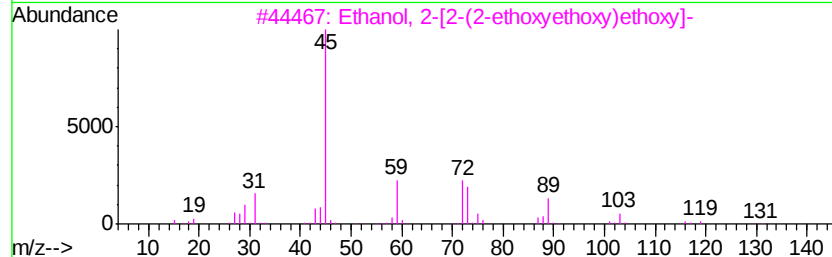
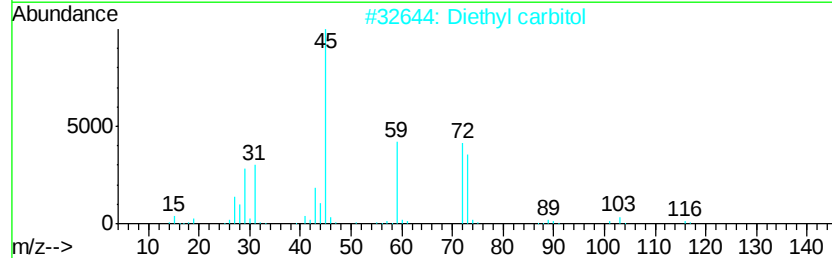
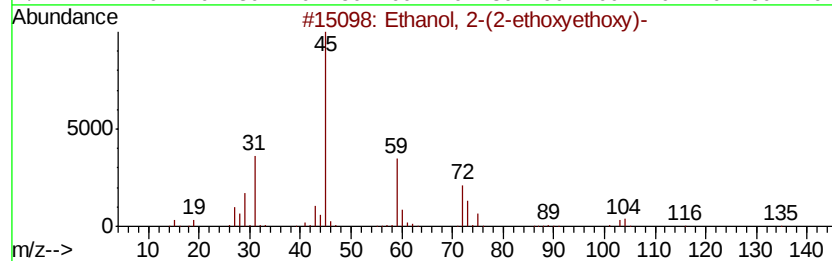
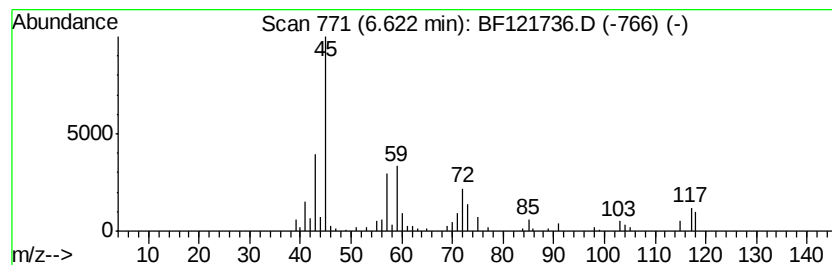
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	3.94 ng	170546	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	86
2		Diethyl carbitol	162	C8H18O3	000112-36-7	64
3		Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-	178	C8H18O4	000112-50-5	45
4		Propane, 2-ethoxy-	88	C5H12O	000625-54-7	43
5		2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

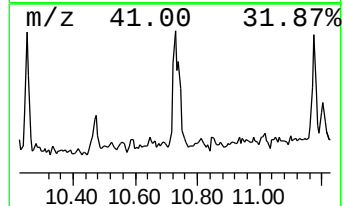
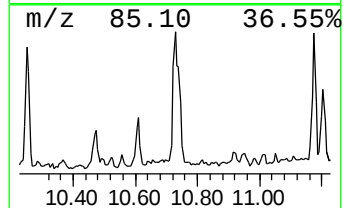
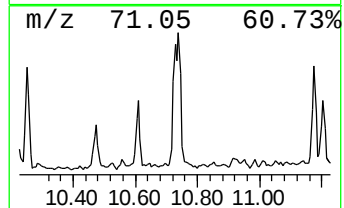
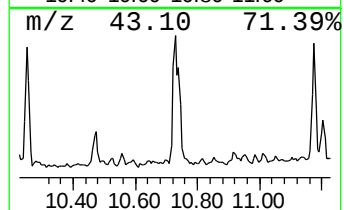
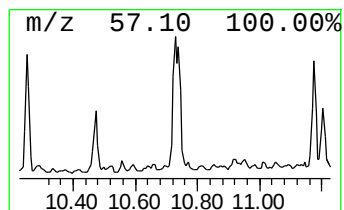
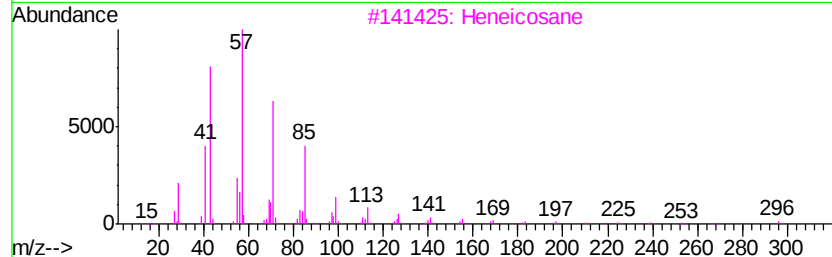
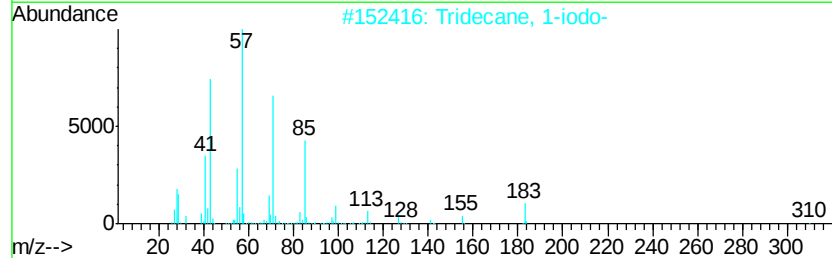
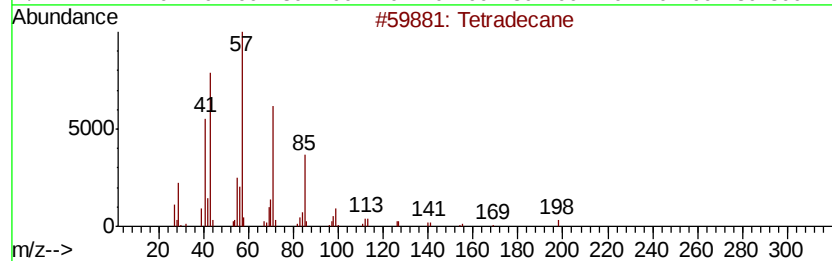
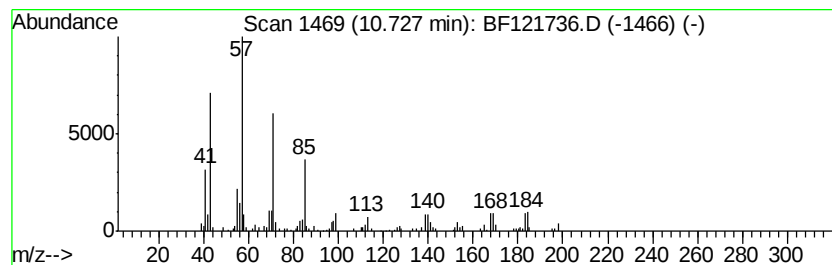
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown10.73 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	3.89 ng	229055	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	47
2		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	30
3		Heneicosane	296	C21H44	000629-94-7	30
4		Tetracosane	338	C24H50	000646-31-1	30
5		Dodecane	170	C12H26	000112-40-3	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

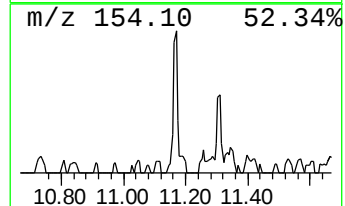
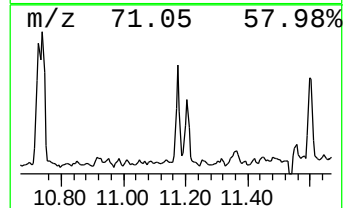
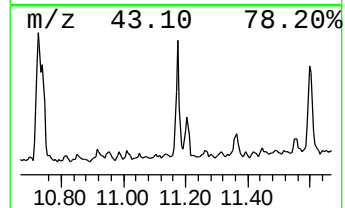
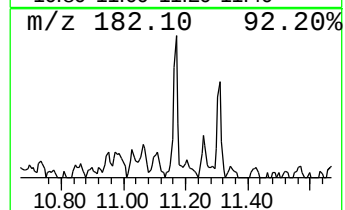
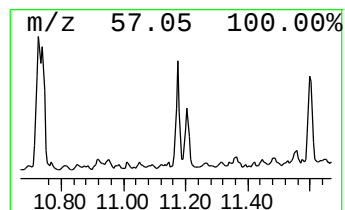
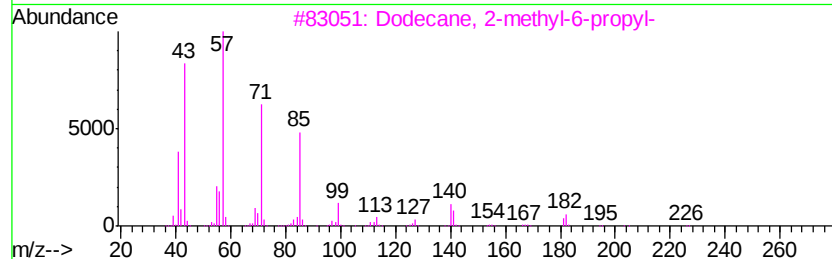
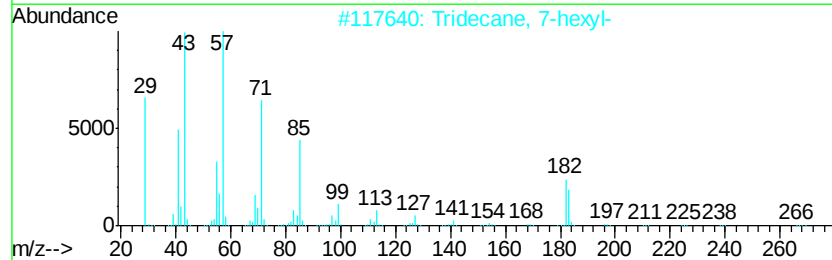
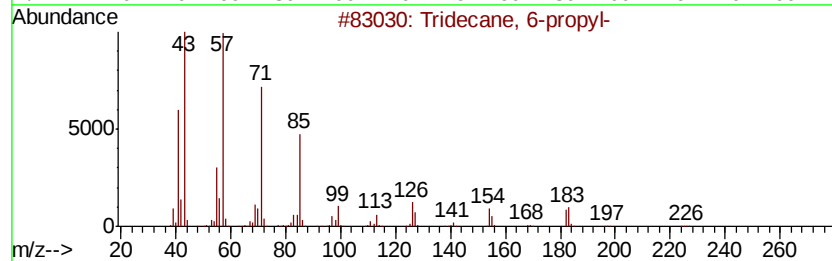
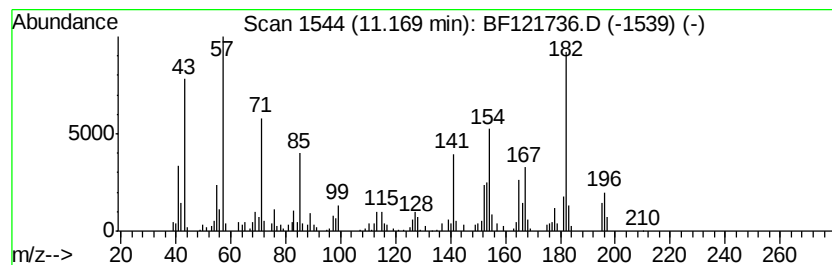
Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Tridecane, 6-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.17	3.07 ng	180777	Phenanthrene-d10		11.31
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	87
2	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	83
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	74
5	Octadecane	254	C18H38	000593-45-3	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

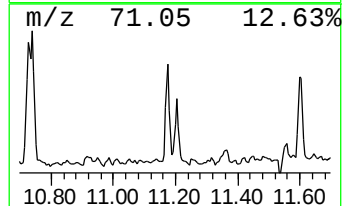
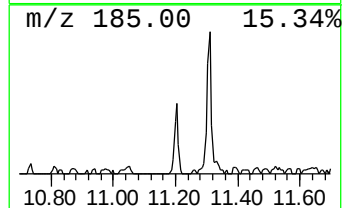
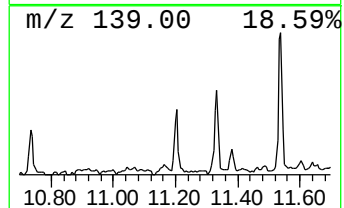
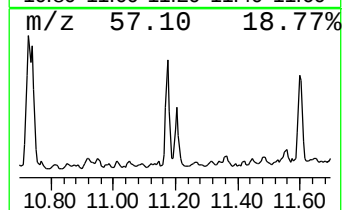
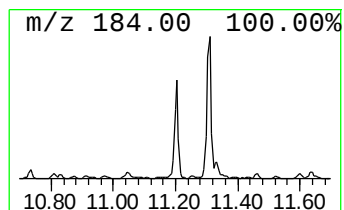
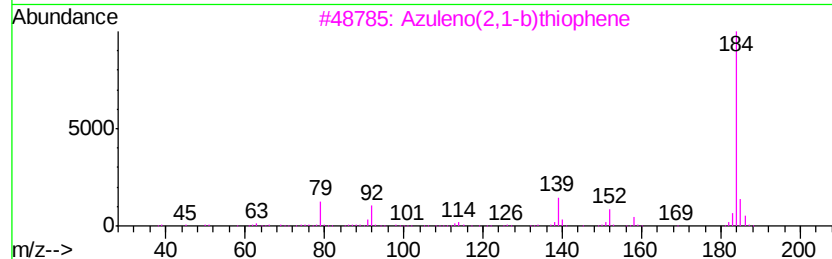
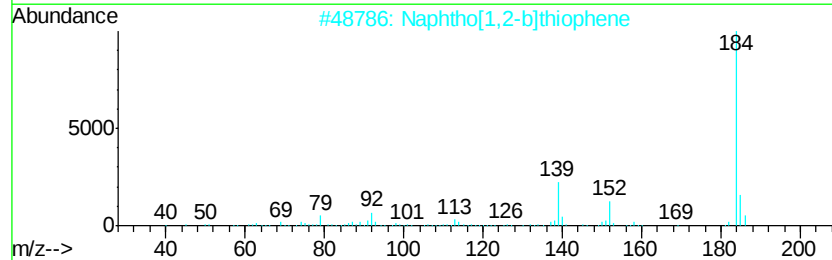
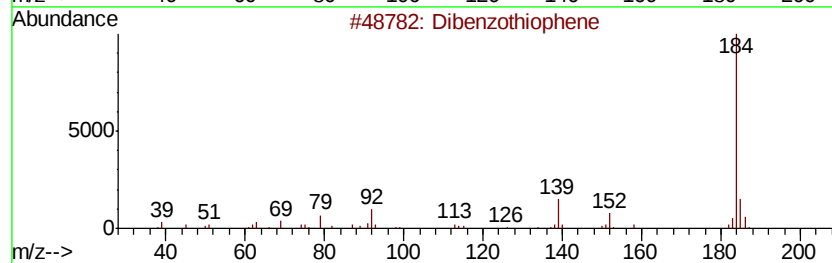
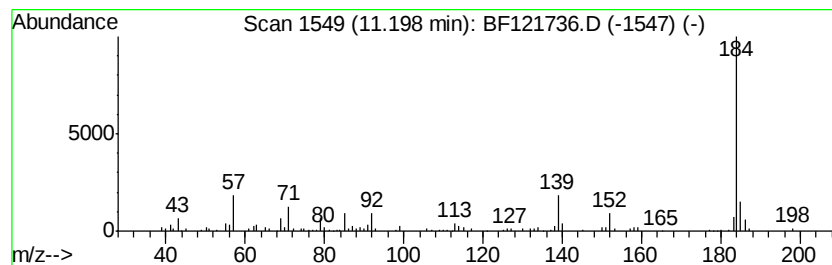
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.70 ng	158885	Phenanthrene-d10	11.31

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	95
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	87
5		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

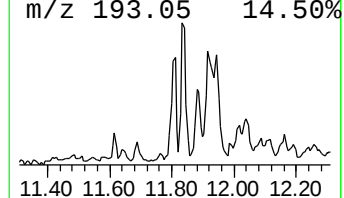
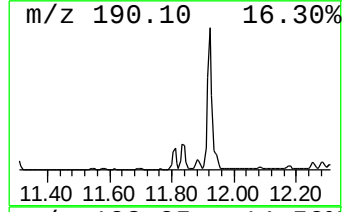
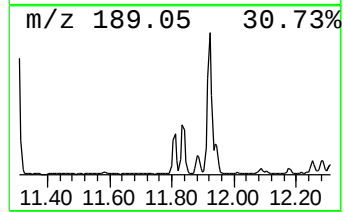
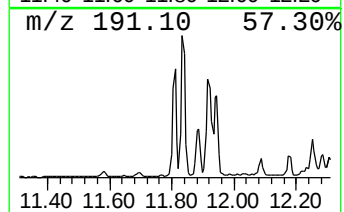
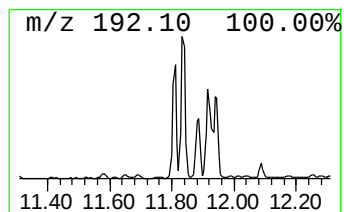
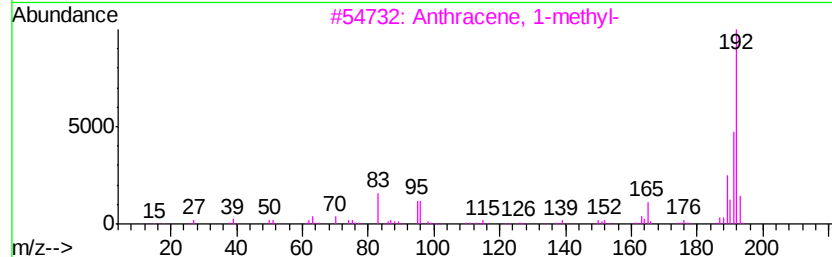
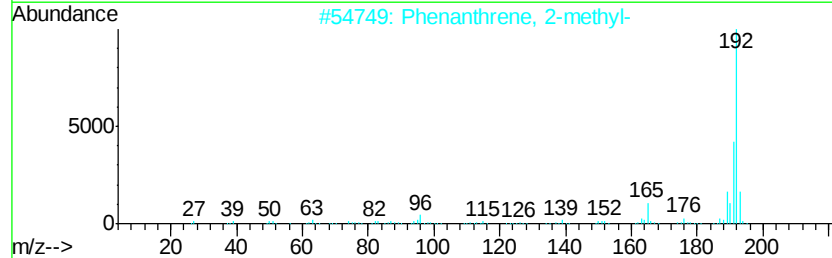
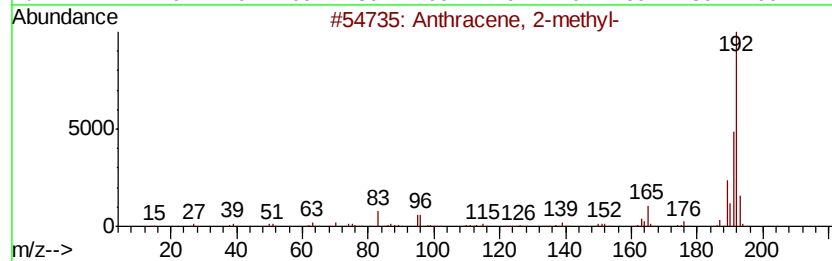
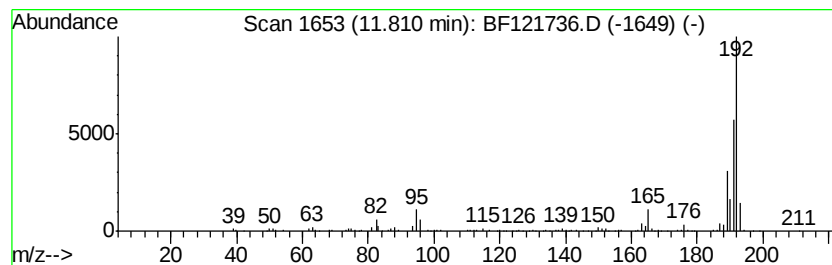
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	3.76 ng	221541	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

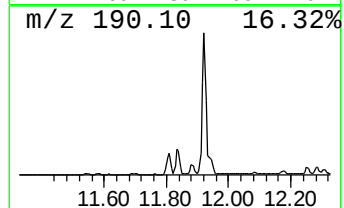
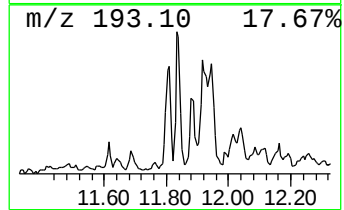
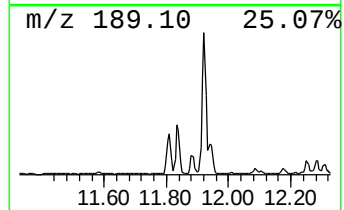
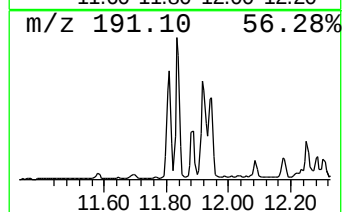
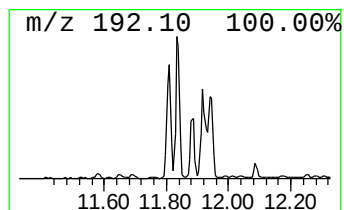
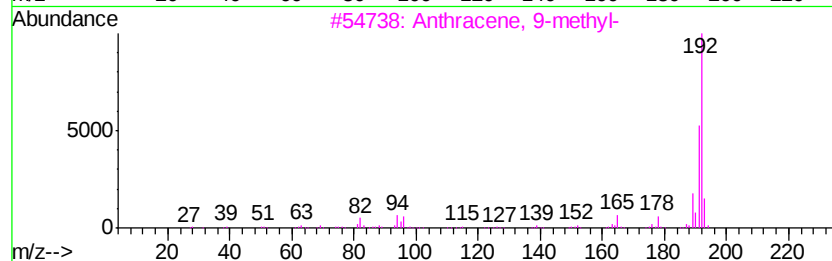
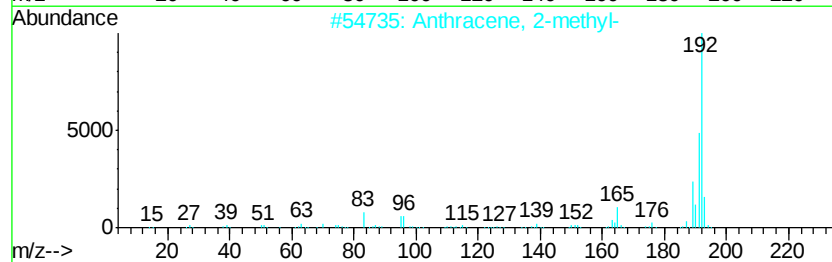
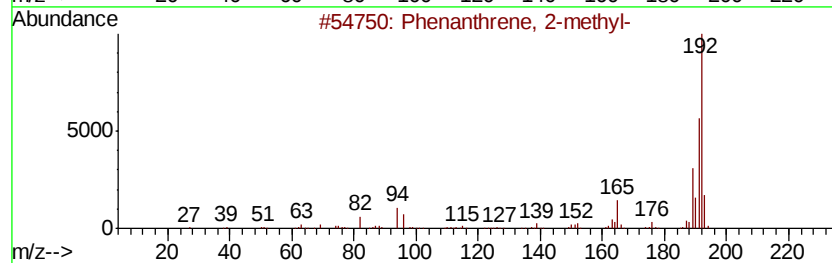
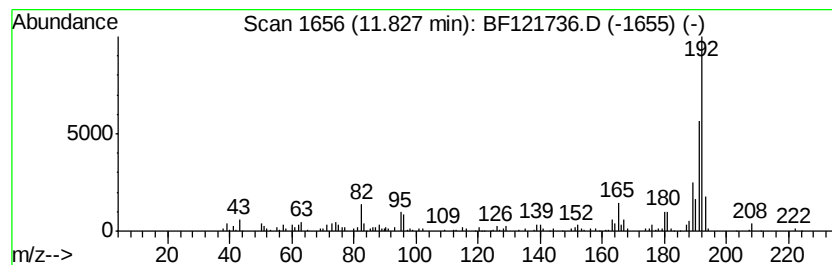
Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	5.99 ng	352460	Phenanthrene-d10	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

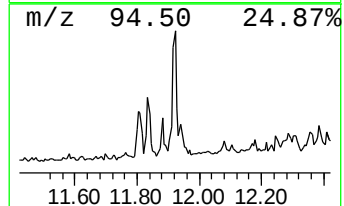
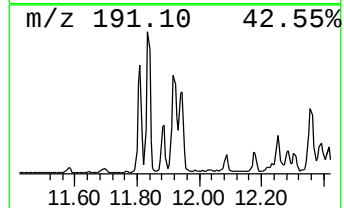
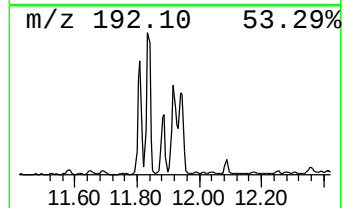
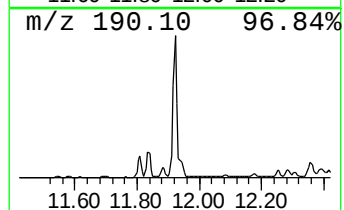
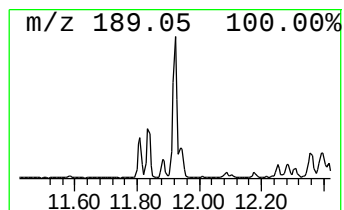
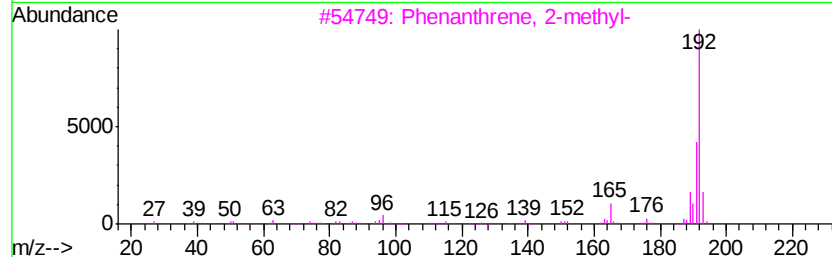
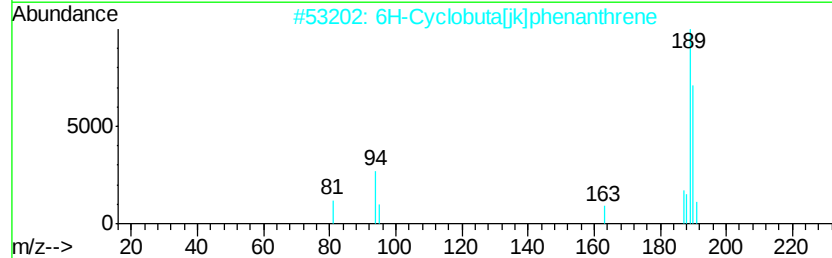
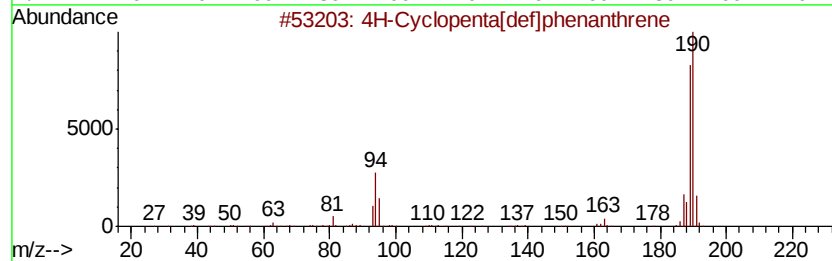
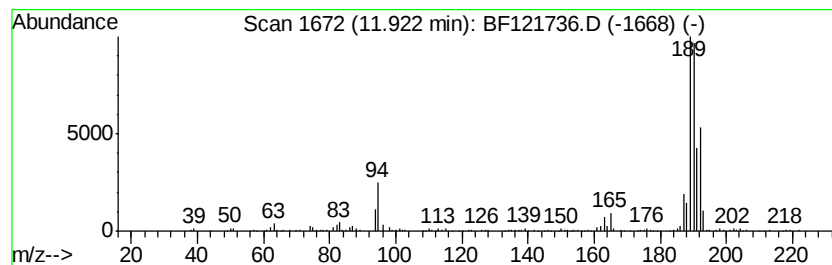
Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.92	7.18 ng	422805	Phenanthrene-d10	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	53
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	35
4	Benzene, 1,1'-(1,2-propadienyld...	192	C15H12	014251-57-1	25
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

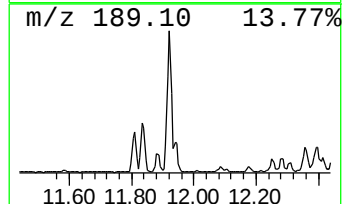
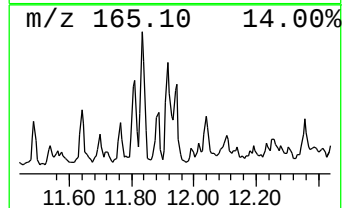
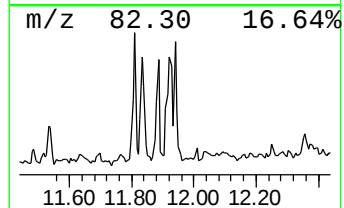
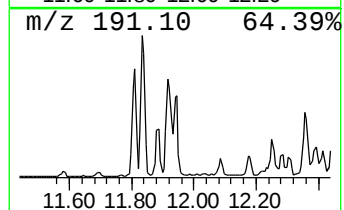
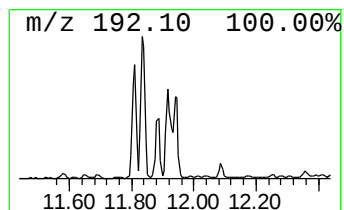
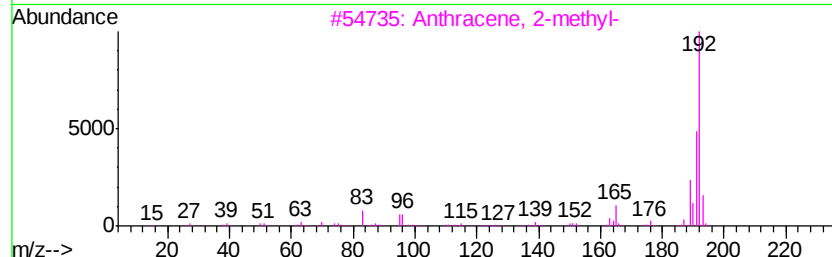
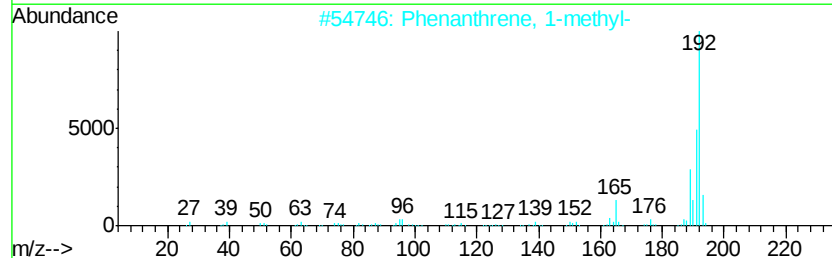
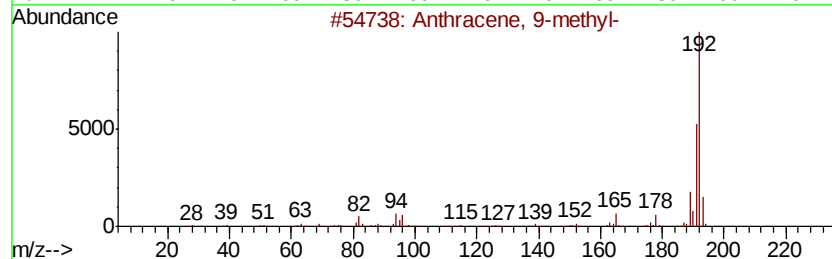
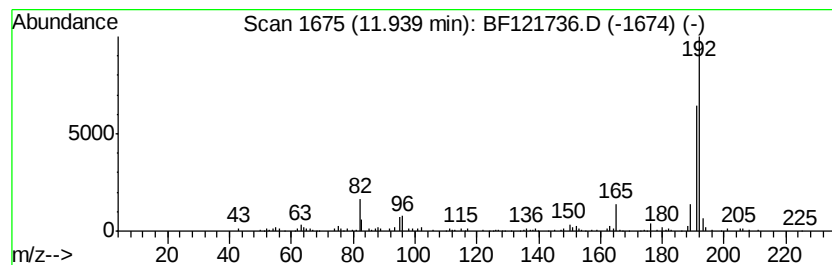
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.57 ng	151105	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5		Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

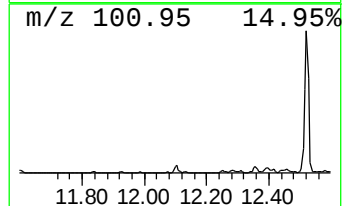
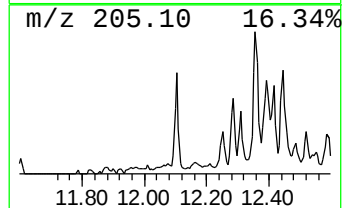
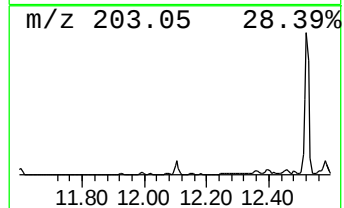
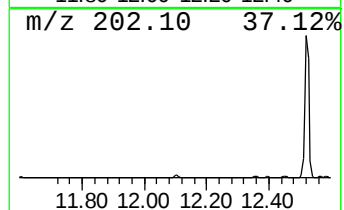
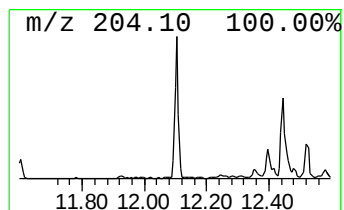
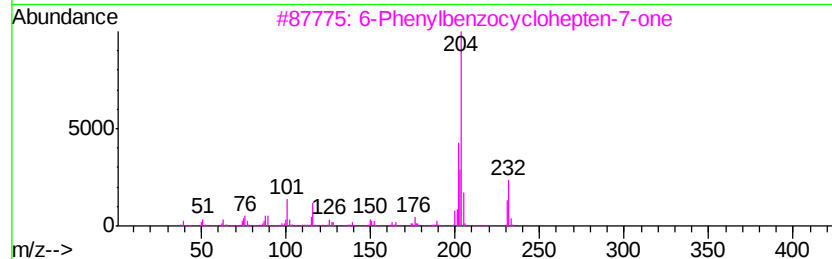
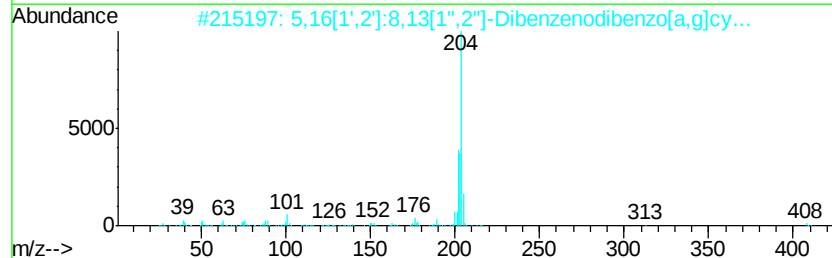
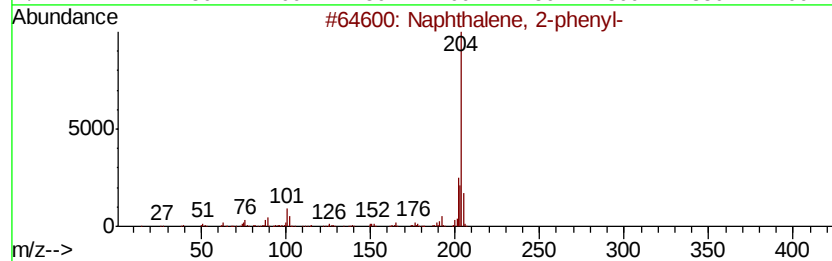
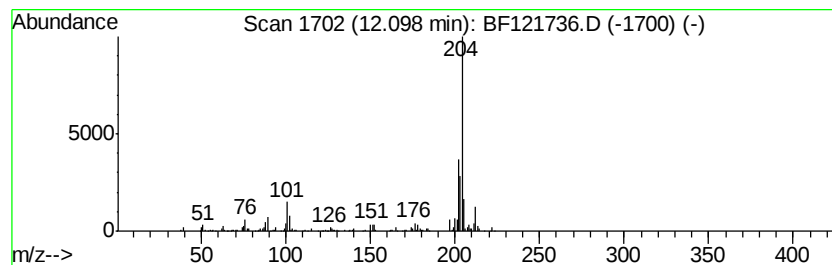
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	2.26 ng	133063	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

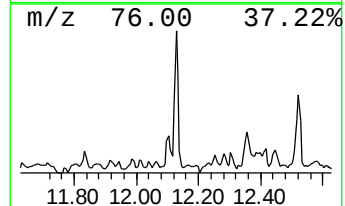
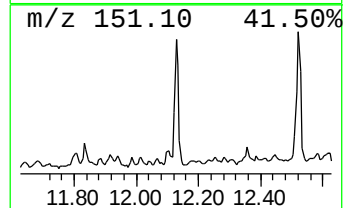
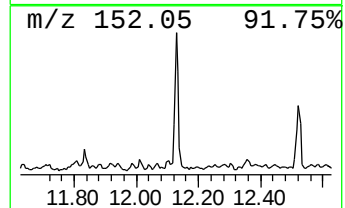
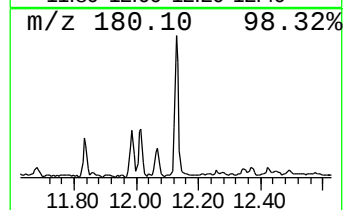
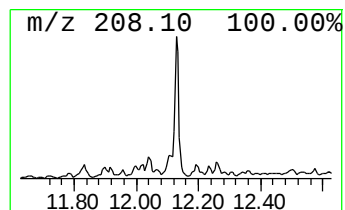
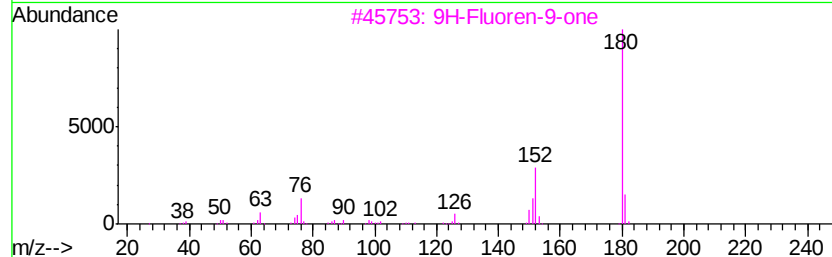
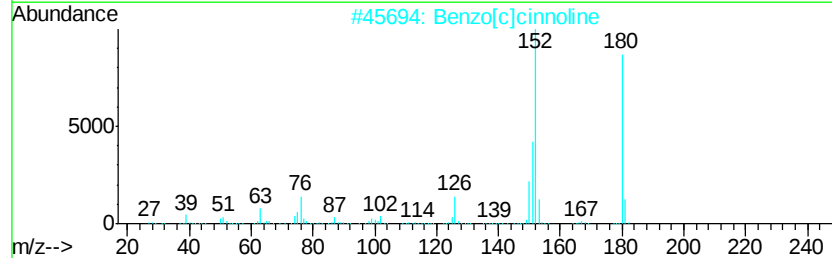
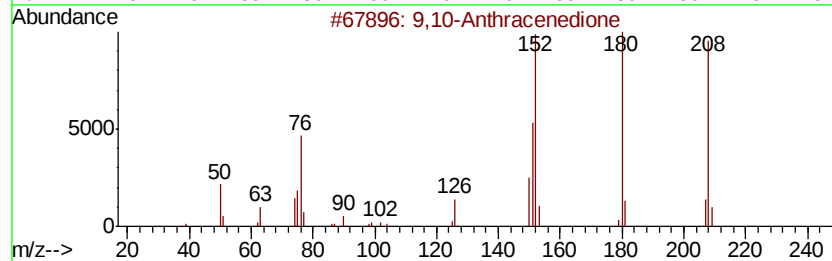
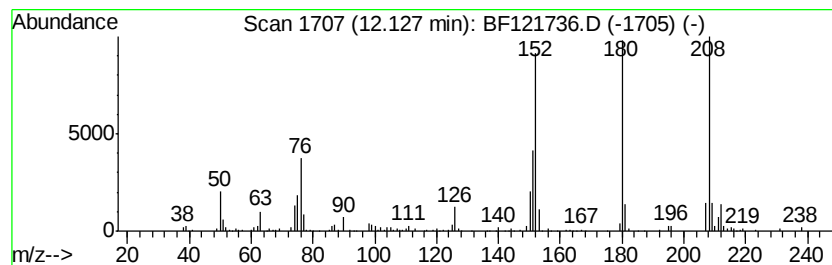
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.71 ng	159711	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

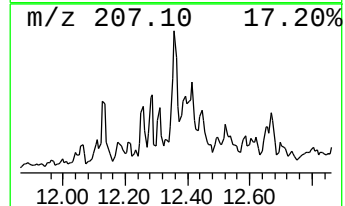
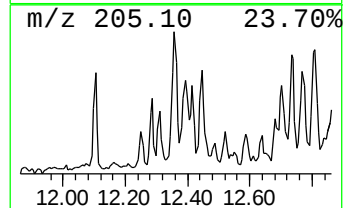
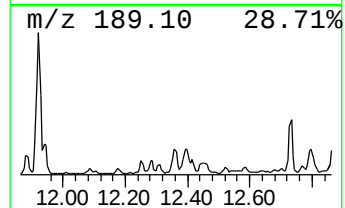
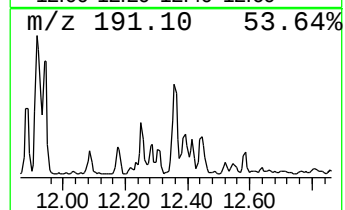
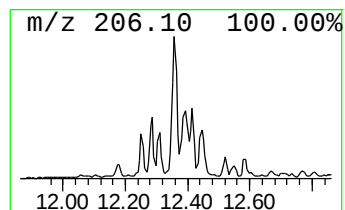
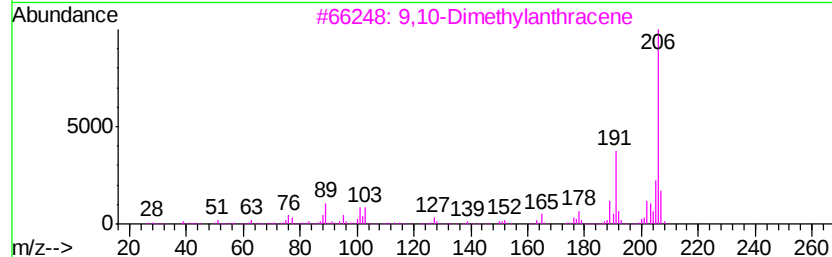
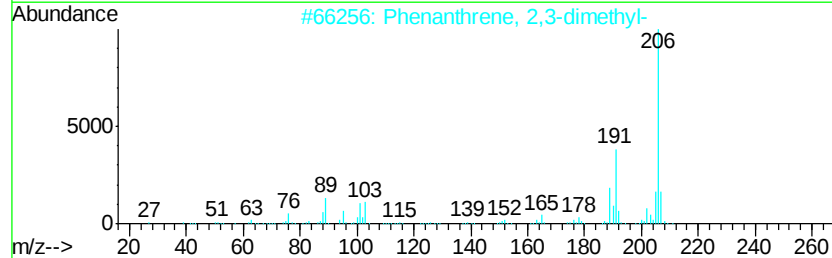
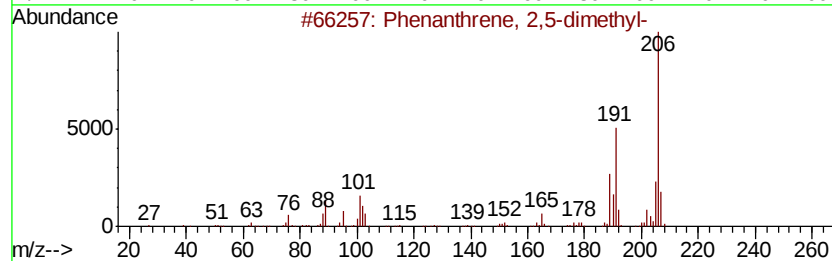
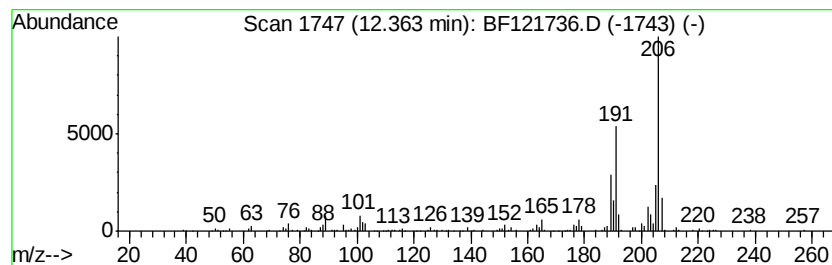
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	4.14 ng	243738	Phenanthrene-d10	11.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

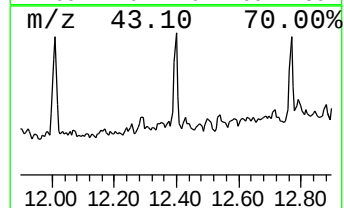
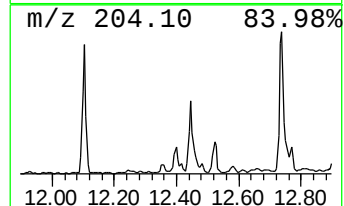
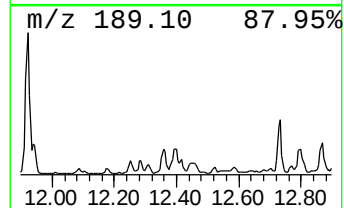
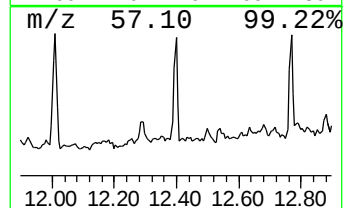
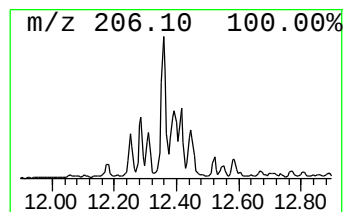
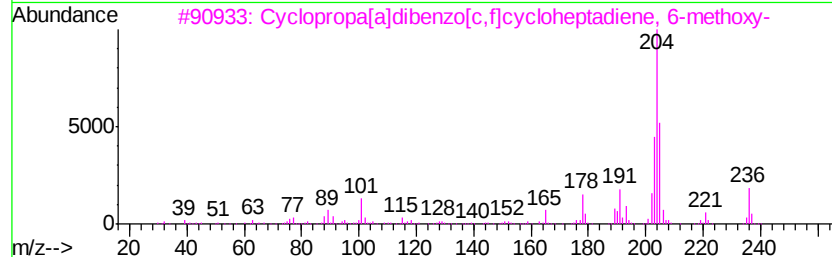
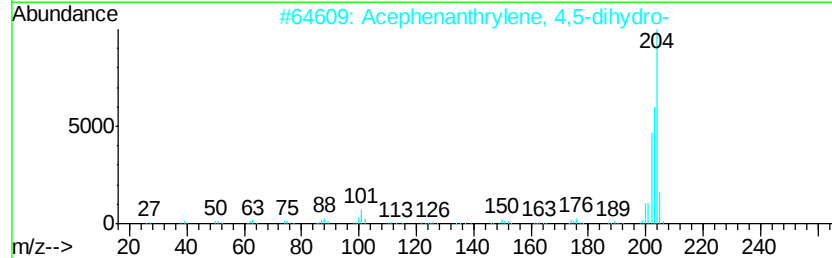
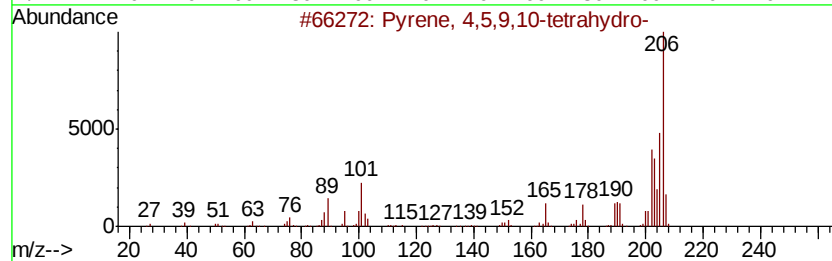
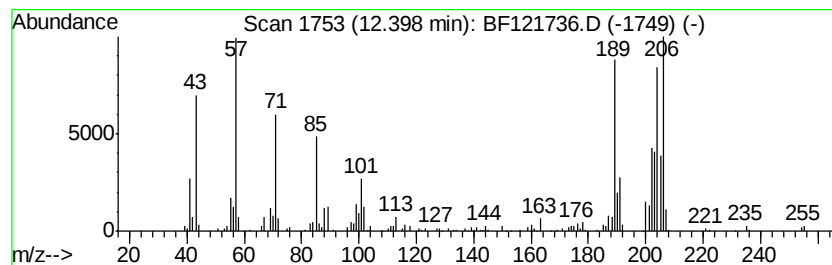
Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown12.40 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.40	3.01 ng	177273	Phenanthrene-d10	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	35
3	Cvclopropa[aldibenzo[c,flcvclohe...	236	C17H16O	1000210-38-0	35
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27
5	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

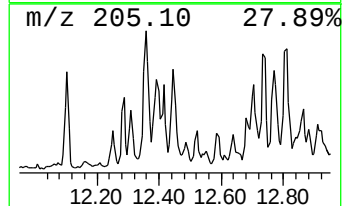
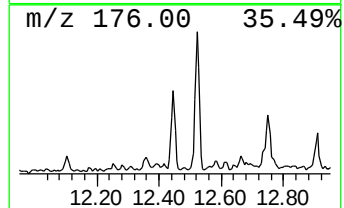
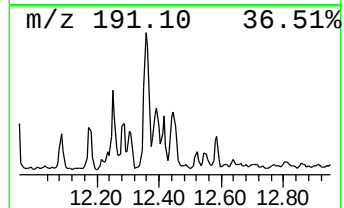
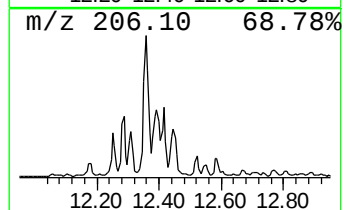
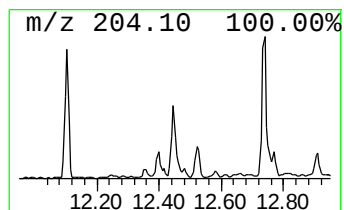
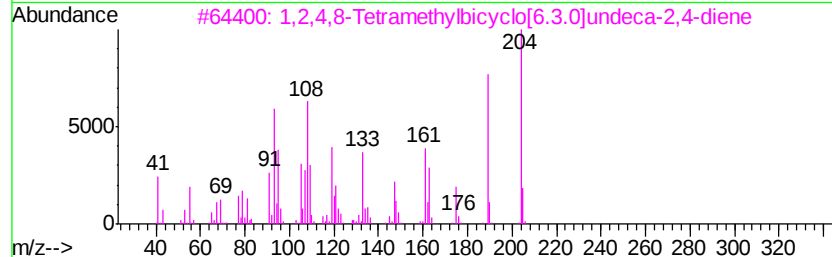
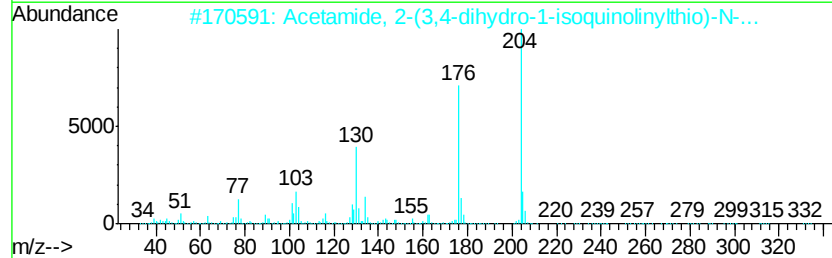
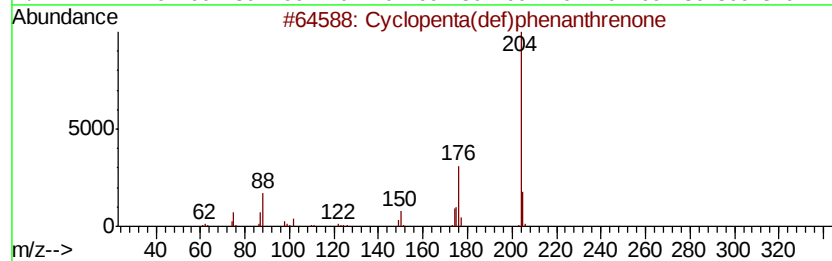
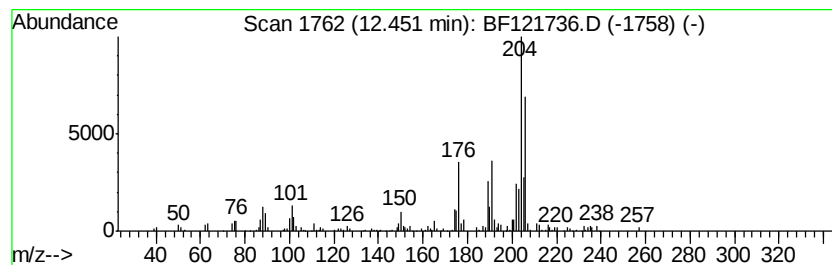
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	2.78 ng	163485	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	43
3		1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	41
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38
5		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

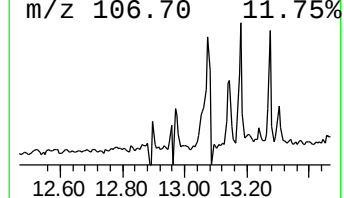
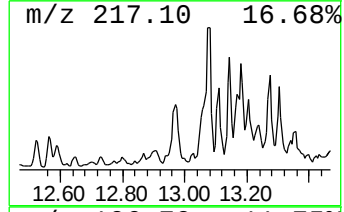
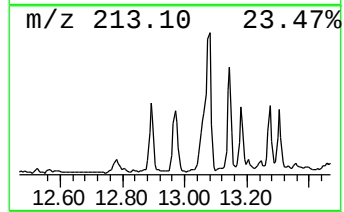
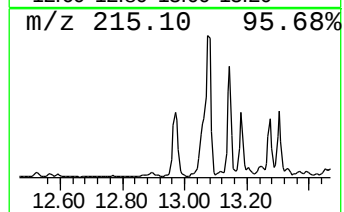
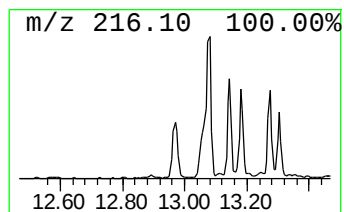
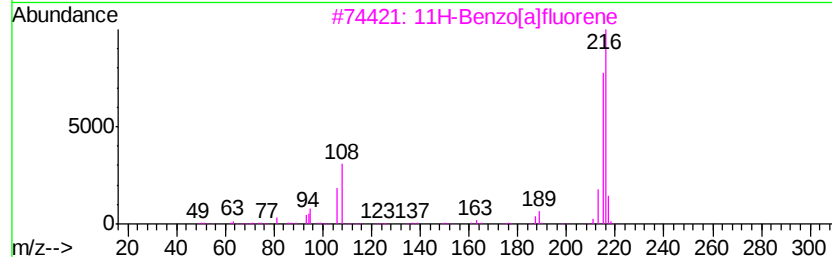
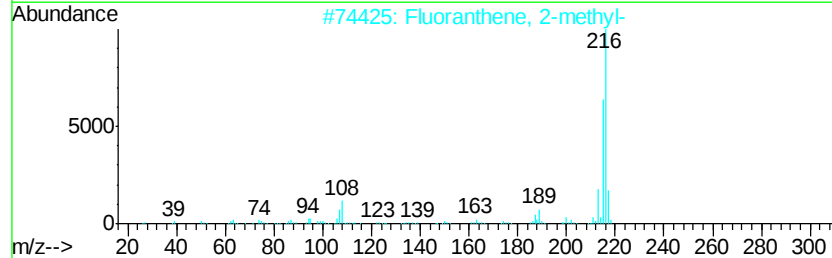
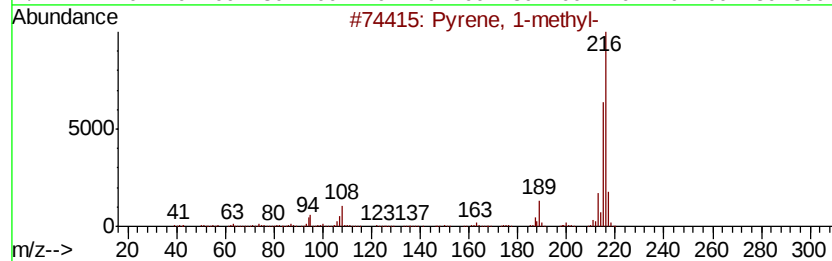
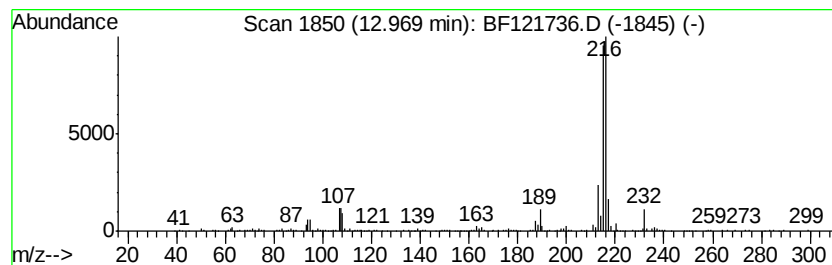
Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	2.61 ng	321617	Chrysene-d12	13.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 95
2		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 90
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 81
4		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 81
5		Pyrene, 2-methyl-	216 C17H12	003442-78-2 70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

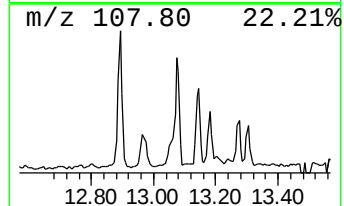
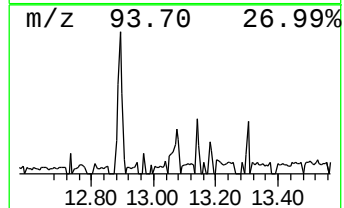
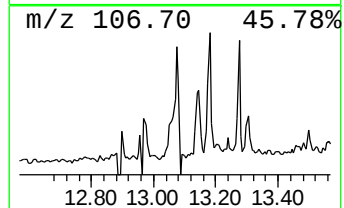
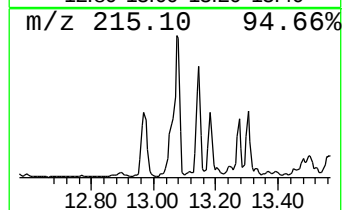
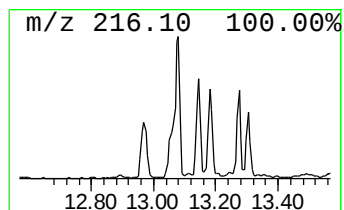
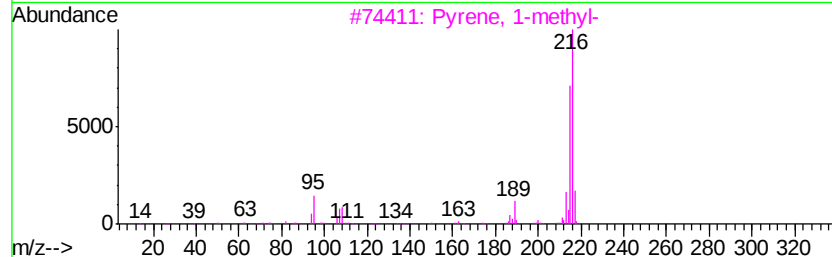
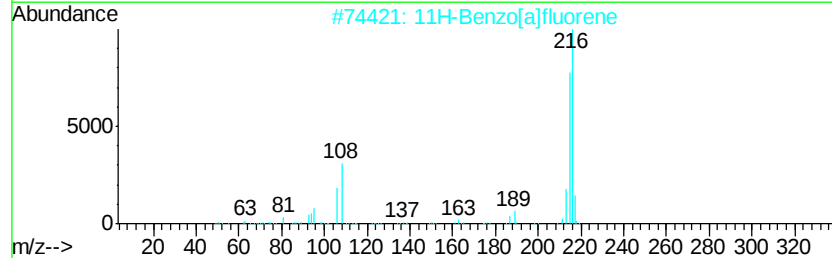
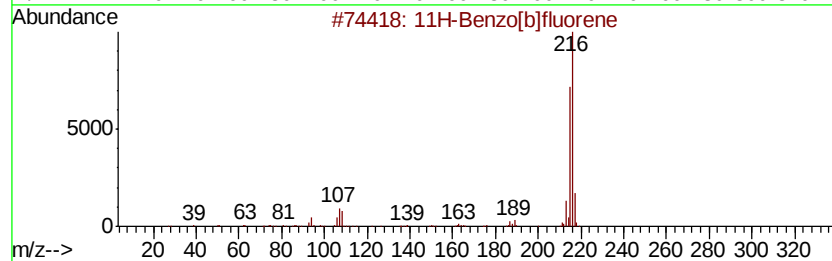
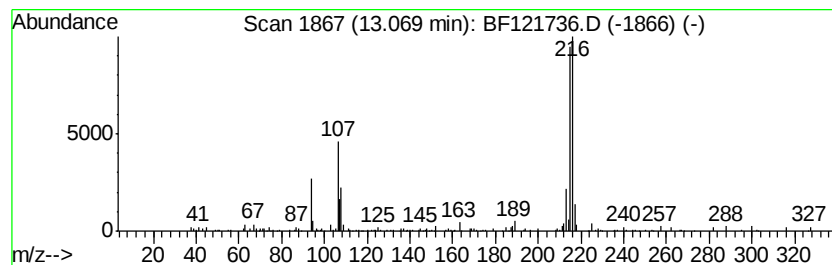
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	3.40 ng	418064	Chrysene-d12	13.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	74
4		Pvrene, 2-methyl-	216	C17H12	003442-78-2	68
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

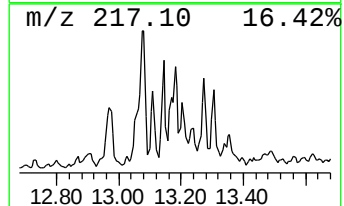
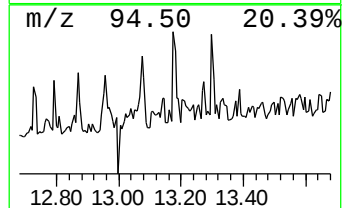
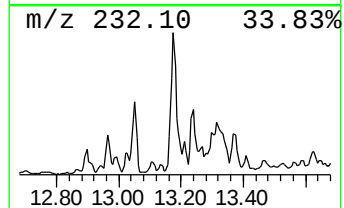
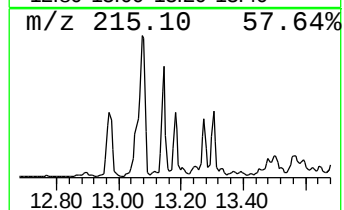
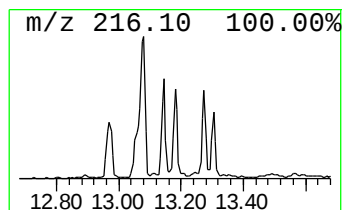
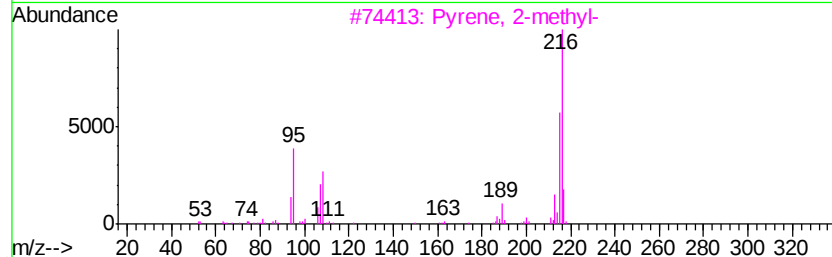
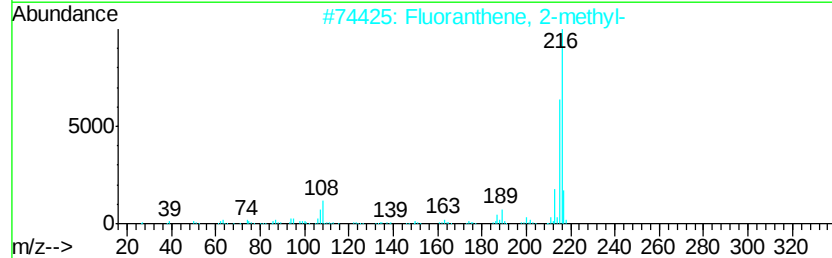
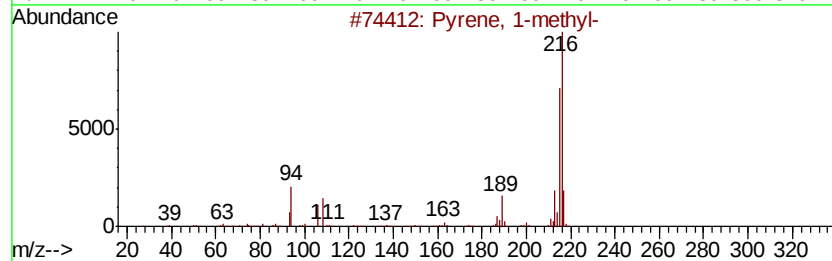
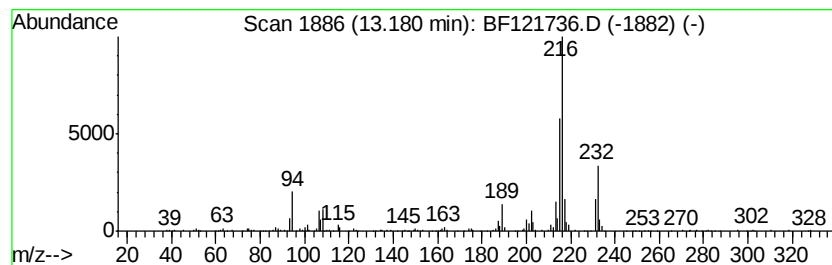
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	2.52 ng	310483	Chrysene-d12	13.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3			Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
4			Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

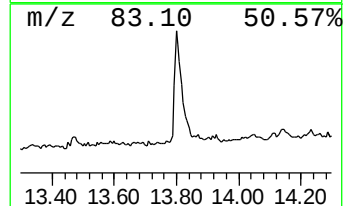
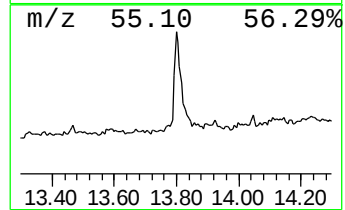
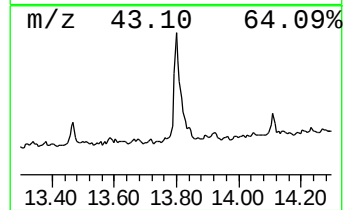
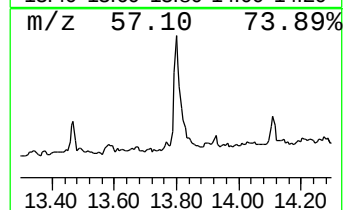
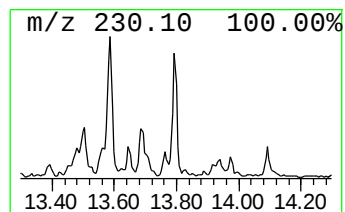
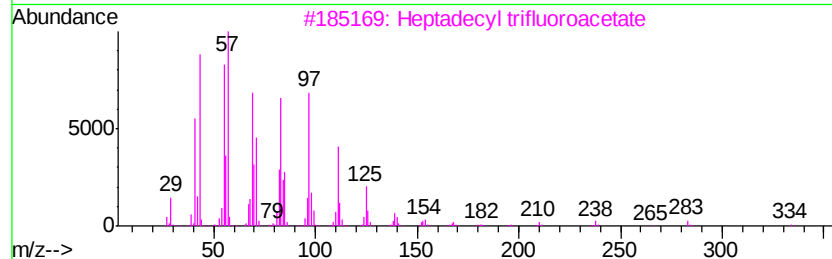
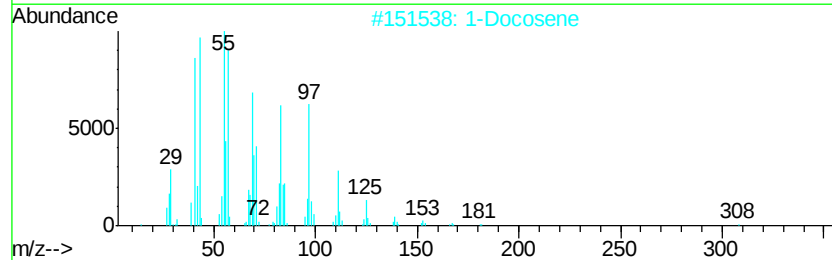
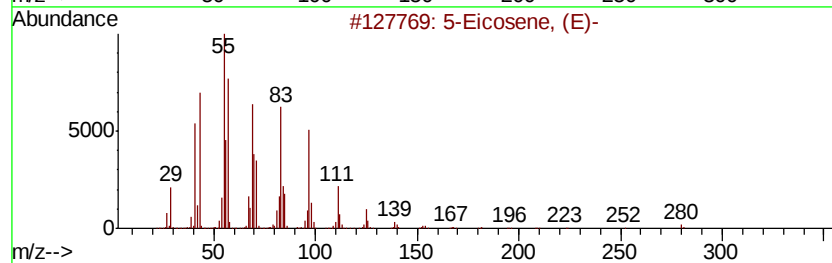
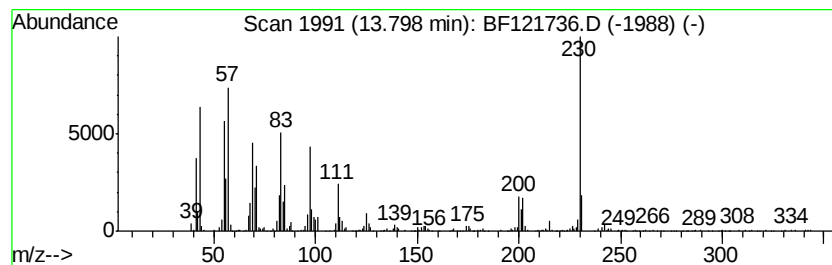
Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 5-Eicosene, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.80	4.57 ng	562469	Chrysene-d12	13.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	81
2	1-Docosene	308	C22H44	001599-67-3	70
3	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	64
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	64
5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121736.D
Acq On : 29 Sep 2020 17:50
Operator : JU/CG
Sample : L4173-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

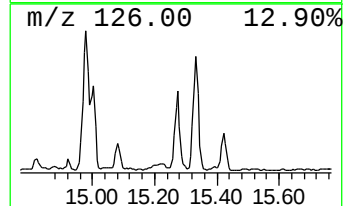
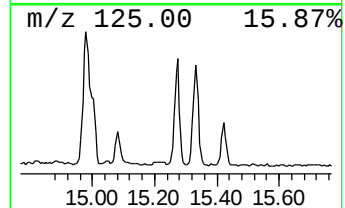
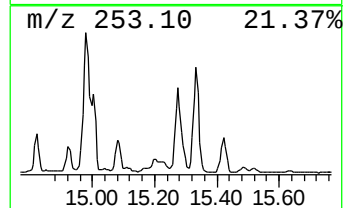
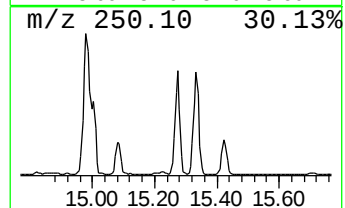
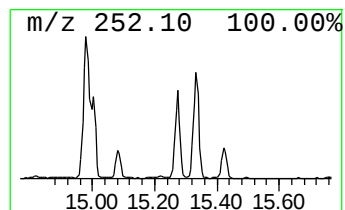
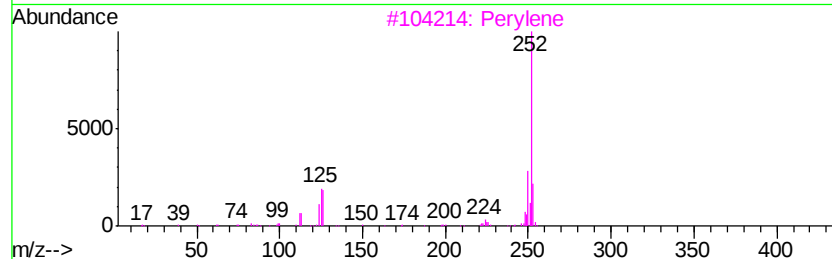
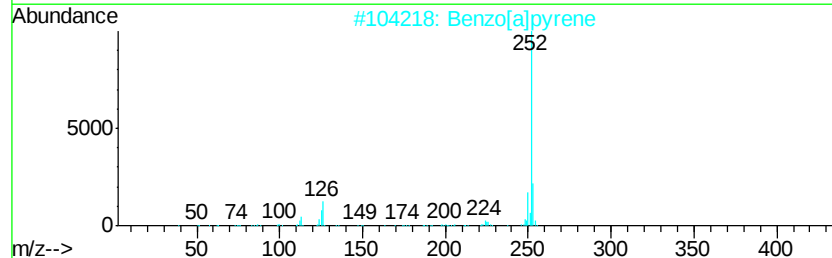
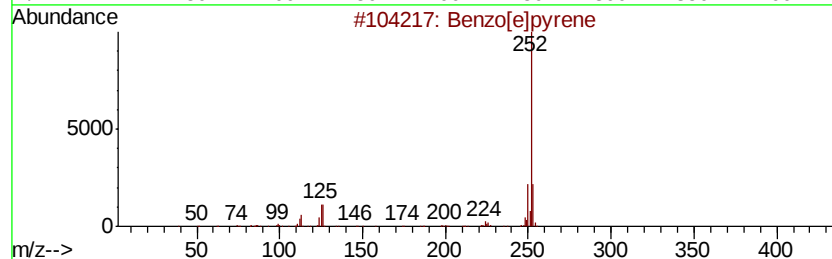
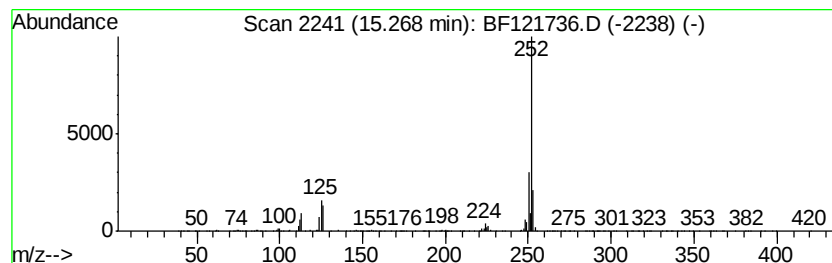
Instrument :
BNA_F
ClientSampleId :
TP-3-(0-6FT)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	22.04 ng	796394	Perylene-d12	15.40
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[e]pyrene	252 C20H12	000192-97-2 99
2		Benzo[a]pyrene	252 C20H12	000050-32-8 97
3		Perylene	252 C20H12	000198-55-0 95
4		Benzo[k]fluoranthene	252 C20H12	000207-08-9 94
5		Benz[e]acephenanthrylene	252 C20H12	000205-99-2 93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092920\
 Data File : BF121736.D
 Acq On : 29 Sep 2020 17:50
 Operator : JU/CG
 Sample : L4173-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-(0-6FT)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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
Ethanol, 2-(2-eth...	6.62	3.9 ng		170546	1	6.79	864699	20.0
unknown10.73	10.73	3.9 ng		229055	4	11.31	1177420	20.0
Tridecane, 6-propyl-	11.17	3.1 ng		180777	4	11.31	1177420	20.0
Dibenzothiophene	11.20	2.7 ng		158885	4	11.31	1177420	20.0
Anthracene, 2-met...	11.81	3.8 ng		221541	4	11.31	1177420	20.0
Phenanthrene, 2-m...	11.83	6.0 ng		352460	4	11.31	1177420	20.0
4H-Cyclopenta[def...	11.92	7.2 ng		422805	4	11.31	1177420	20.0
Anthracene, 9-met...	11.94	2.6 ng		151105	4	11.31	1177420	20.0
Naphthalene, 2-ph...	12.10	2.3 ng		133063	4	11.31	1177420	20.0
9,10-Anthracenedione	12.13	2.7 ng		159711	4	11.31	1177420	20.0
Phenanthrene, 2,5...	12.36	4.1 ng		243738	4	11.31	1177420	20.0
unknown12.40	12.40	3.0 ng		177273	4	11.31	1177420	20.0
Cyclopenta(def)ph...	12.45	2.8 ng		163485	4	11.31	1177420	20.0
Fluoranthene, 2-m...	12.97	2.6 ng		321617	5	13.95	2460170	20.0
11H-Benzo[b]fluorene	13.07	3.4 ng		418064	5	13.95	2460170	20.0
Pyrene, 1-methyl-	13.18	2.5 ng		310483	5	13.95	2460170	20.0
5-Eicosene, (E)-	13.80	4.6 ng		562469	5	13.95	2460170	20.0
Benzo[e]pyrene	15.27	22.0 ng		796394	6	15.40	722575	20.0