

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100520\
 Data File : BF121825.D
 Acq On : 5 Oct 2020 19:18
 Operator : JU/CG
 Sample : L4247-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-19(5-7)

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	4.963	484	489	497	rBV2	31617	61543	2.36%	0.140%
2	5.381	556	560	576	rVB	2158779	2039306	78.15%	4.654%
3	6.404	730	734	742	rBV	2161493	2049334	78.54%	4.677%
4	6.598	763	767	773	rBV3	66332	74945	2.87%	0.171%
5	6.763	791	795	801	rVB	744937	638939	24.49%	1.458%
6	7.328	887	891	894	rBV	1598043	1345875	51.58%	3.072%
7	7.357	895	896	900	rVB	103208	83995	3.22%	0.192%
8	8.045	1007	1013	1016	rBV	943860	917971	35.18%	2.095%
9	8.339	1058	1063	1065	rBV4	42967	63696	2.44%	0.145%
10	8.469	1081	1085	1087	rBV	103779	104972	4.02%	0.240%
11	8.551	1094	1099	1101	rBV2	41557	46993	1.80%	0.107%
12	8.639	1110	1114	1117	rBV	187841	188470	7.22%	0.430%
13	8.692	1118	1123	1127	rVV6	29064	61240	2.35%	0.140%
14	8.733	1127	1130	1132	rVB3	56489	50115	1.92%	0.114%
15	8.857	1146	1151	1154	rBV3	47923	77583	2.97%	0.177%
16	8.992	1171	1174	1178	rBV3	43278	52887	2.03%	0.121%
17	9.069	1184	1187	1191	rBV2	125790	128593	4.93%	0.293%
18	9.122	1191	1196	1199	rBV	2616967	2312655	88.63%	5.278%
19	9.198	1206	1209	1214	rBV2	256519	278693	10.68%	0.636%
20	9.269	1218	1221	1223	rVB	59834	59394	2.28%	0.136%
21	9.392	1237	1242	1246	rBV4	57175	86158	3.30%	0.197%
22	9.457	1250	1253	1255	rVV2	116927	115828	4.44%	0.264%
23	9.504	1258	1261	1266	rVV3	412458	643782	24.67%	1.469%
24	9.575	1269	1273	1277	rVB3	115605	167223	6.41%	0.382%
25	9.657	1284	1287	1291	rBV	357433	346892	13.29%	0.792%
26	9.710	1293	1296	1298	rVV	215619	198735	7.62%	0.454%
27	9.733	1298	1300	1304	rVB2	160472	159747	6.12%	0.365%
28	9.798	1304	1311	1314	rBV	1008341	935519	35.85%	2.135%
29	9.828	1314	1316	1320	rBV2	279171	290033	11.12%	0.662%
30	9.910	1326	1330	1333	rBV	82556	91216	3.50%	0.208%
31	9.957	1335	1338	1341	rVV3	56567	58141	2.23%	0.133%
32	9.998	1341	1345	1351	rVV	148180	206071	7.90%	0.470%
33	10.116	1362	1365	1371	rBV2	189652	247507	9.49%	0.565%
34	10.163	1371	1373	1376	rVV2	82707	86196	3.30%	0.197%

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35	10.198	1376	1379	1381	rVV2	137907	156210	5.99%	0.357%
36	10.227	1381	1384	1387	rVV2	237771	247717	9.49%	0.565%
37	10.257	1387	1389	1392	rVV3	65306	64567	2.47%	0.147%
38	10.292	1392	1395	1399	rVB3	57784	60169	2.31%	0.137%
39	10.345	1400	1404	1406	rBV2	240397	227535	8.72%	0.519%
40	10.410	1410	1415	1417	rBV	233681	223507	8.57%	0.510%
41	10.433	1417	1419	1420	rVV2	85029	82381	3.16%	0.188%
42	10.451	1420	1422	1425	rVV2	208792	175571	6.73%	0.401%
43	10.498	1428	1430	1434	rVB2	134844	154239	5.91%	0.352%
44	10.586	1441	1445	1449	rVV	1403324	1219576	46.74%	2.784%
45	10.716	1462	1467	1474	rVB	504777	615518	23.59%	1.405%
46	10.786	1476	1479	1481	rVV	59848	56660	2.17%	0.129%
47	10.892	1492	1497	1499	rBV3	89755	109276	4.19%	0.249%
48	10.922	1499	1502	1505	rVV3	138686	120788	4.63%	0.276%
49	10.974	1509	1511	1514	rVB2	62653	50401	1.93%	0.115%
50	11.027	1514	1520	1521	rBV3	81940	128479	4.92%	0.293%
51	11.086	1528	1530	1535	rBV2	90879	95361	3.65%	0.218%
52	11.145	1535	1540	1543	rVV3	147263	213014	8.16%	0.486%
53	11.180	1543	1546	1552	rVB	297517	323283	12.39%	0.738%
54	11.280	1560	1563	1565	rBV	761937	706714	27.08%	1.613%
55	11.310	1565	1568	1571	rVV	1654905	1470501	56.36%	3.356%
56	11.357	1573	1576	1579	rVB	634756	493498	18.91%	1.126%
57	11.392	1579	1582	1585	rBV2	83241	93465	3.58%	0.213%
58	11.516	1600	1603	1610	rVB	151283	179258	6.87%	0.409%
59	11.574	1610	1613	1616	rVV	158363	124763	4.78%	0.285%
60	11.616	1617	1620	1625	rVB4	60392	83061	3.18%	0.190%
61	11.786	1645	1649	1651	rBV	187780	188565	7.23%	0.430%
62	11.810	1651	1653	1657	rVB	271651	230902	8.85%	0.527%
63	11.863	1659	1662	1664	rBV	109034	113074	4.33%	0.258%
64	11.898	1664	1668	1670	rBV	508172	491532	18.84%	1.122%
65	11.986	1680	1683	1686	rVB2	103649	95634	3.67%	0.218%
66	12.016	1686	1688	1691	rBV3	47002	46843	1.80%	0.107%
67	12.080	1696	1699	1701	rVV	196608	170429	6.53%	0.389%
68	12.110	1701	1704	1706	rVB	118104	110466	4.23%	0.252%
69	12.263	1727	1730	1732	rBV	68946	65450	2.51%	0.149%
70	12.333	1739	1742	1745	rBV	139807	156801	6.01%	0.358%
71	12.369	1745	1748	1751	rVV2	132005	144402	5.53%	0.330%

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72	12.421	1754	1757	1762	rBV2	121863	151262	5.80%	0.345%
73	12.504	1766	1771	1774	rBV	2578571	2538819	97.30%	5.794%
74	12.539	1774	1777	1779	rBV3	93411	95731	3.67%	0.218%
75	12.645	1793	1795	1798	rBV2	86045	81907	3.14%	0.187%
76	12.727	1803	1809	1814	rBV2	2297382	2609321	100.00%	5.955%
77	12.868	1829	1833	1840	rVB	1978272	2058323	78.88%	4.698%
78	12.945	1841	1846	1849	rBV2	147551	270214	10.36%	0.617%
79	13.027	1857	1860	1861	rBV3	139502	132590	5.08%	0.303%
80	13.051	1861	1864	1867	rVB	441209	419679	16.08%	0.958%
81	13.116	1873	1875	1878	rVB	361469	304688	11.68%	0.695%
82	13.151	1878	1881	1884	rBV2	235148	280308	10.74%	0.640%
83	13.245	1895	1897	1900	rVB	113735	96410	3.69%	0.220%
84	13.274	1900	1902	1906	rBV	126613	152137	5.83%	0.347%
85	13.563	1948	1951	1955	rVB	157030	155452	5.96%	0.355%
86	13.668	1967	1969	1972	rBV	189894	168217	6.45%	0.384%
87	13.698	1972	1974	1976	rVV	192037	147035	5.63%	0.336%
88	13.721	1976	1978	1980	rVV	167432	167511	6.42%	0.382%
89	13.774	1984	1987	1994	rVB2	352713	486821	18.66%	1.111%
90	13.915	2007	2011	2015	rBV2	1452275	2055383	78.77%	4.691%
91	13.951	2015	2017	2020	rVB	1145381	842158	32.27%	1.922%
92	14.027	2028	2030	2032	rVB	214987	150503	5.77%	0.344%
93	14.310	2076	2078	2080	rVB	253862	179591	6.88%	0.410%
94	14.957	2183	2188	2191	rBV	1138783	1869290	71.64%	4.266%
95	15.057	2202	2205	2208	rBV	285574	308876	11.84%	0.705%
96	15.245	2234	2237	2243	rVB	673534	897534	34.40%	2.048%
97	15.310	2244	2248	2253	rVB	1087100	1239597	47.51%	2.829%
98	15.368	2254	2258	2261	rBV	554241	734567	28.15%	1.677%
99	16.786	2495	2499	2506	rVB	510960	947269	36.30%	2.162%
100	17.215	2567	2572	2581	rVB	346777	713343	27.34%	1.628%

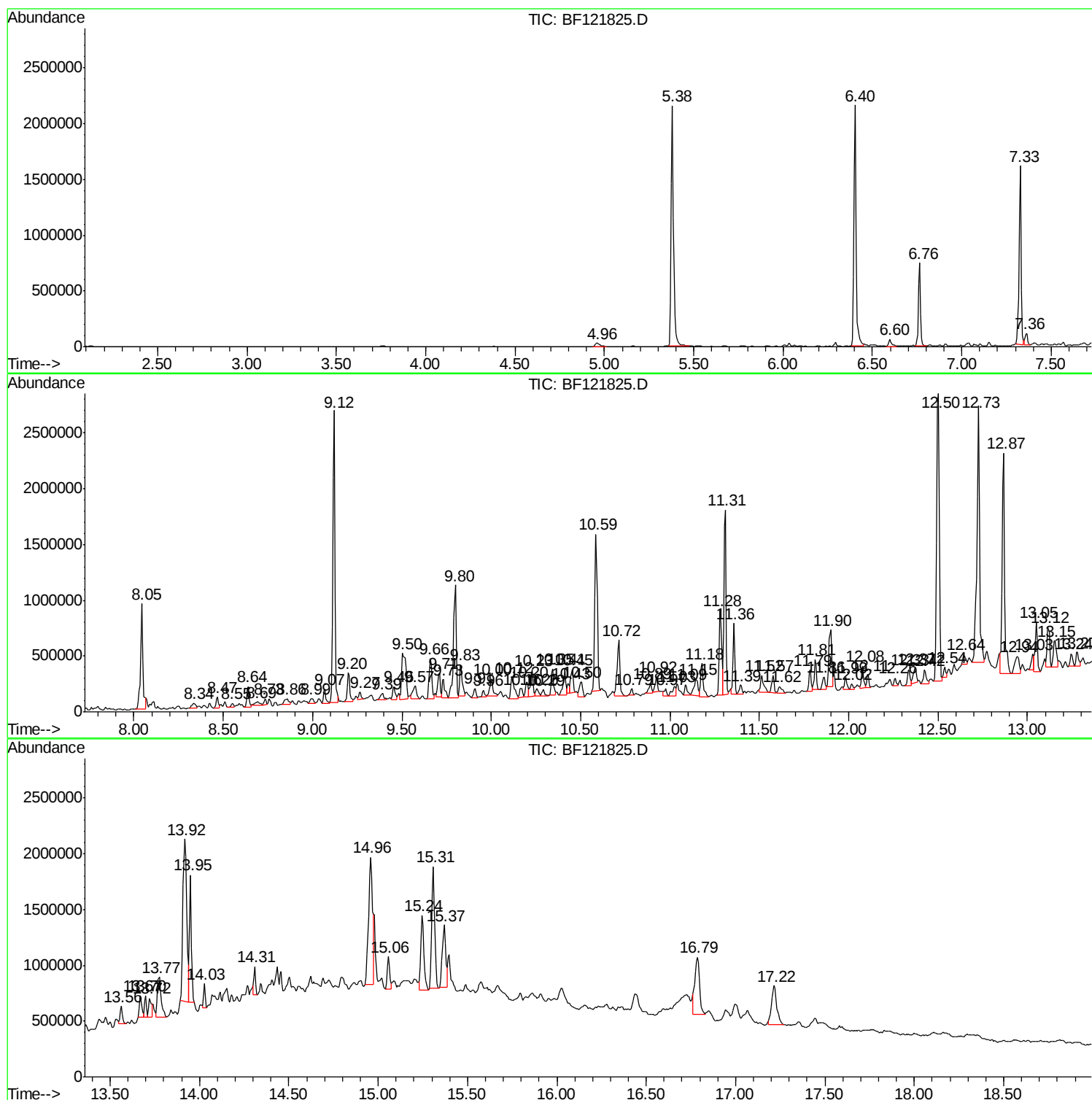
Sum of corrected areas: 43814393

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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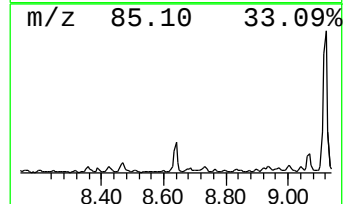
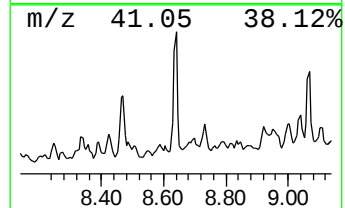
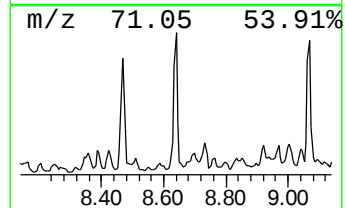
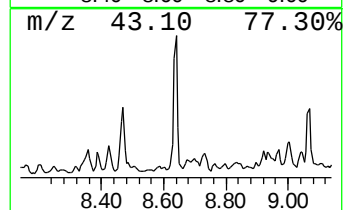
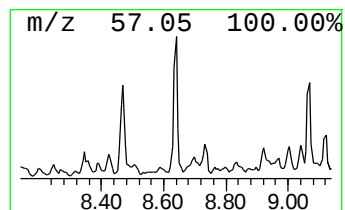
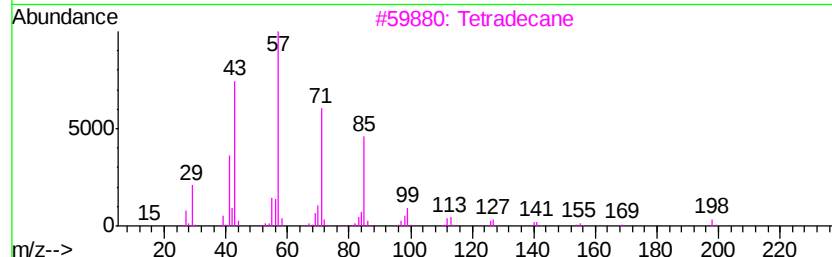
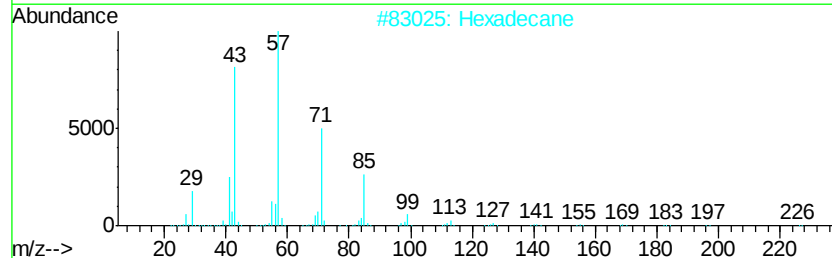
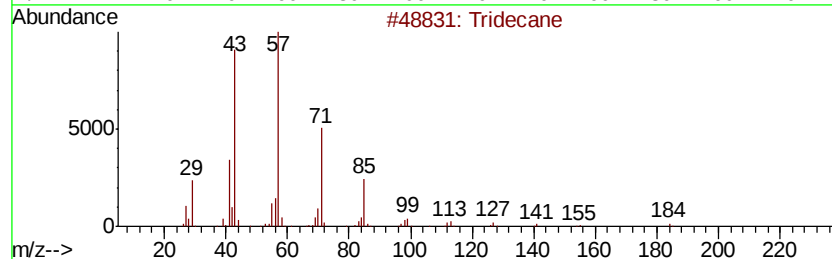
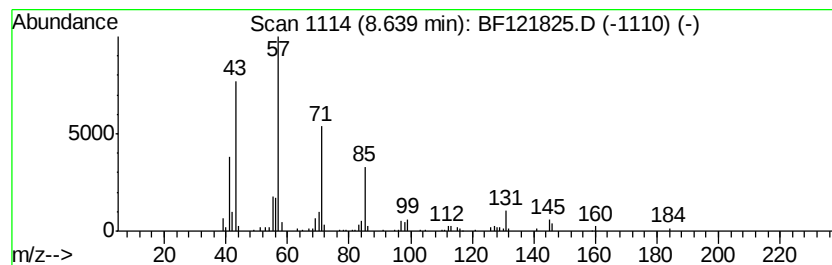
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Tridecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.64	4.11 ng	188470	Naphthalene-d8	8.05		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	76
2	Hexadecane		226	C16H34	000544-76-3	64
3	Tetradecane		198	C14H30	000629-59-4	64
4	Pentadecane		212	C15H32	000629-62-9	59
5	Decane, 2,3,5-trimethyl-		184	C13H28	062238-11-3	59



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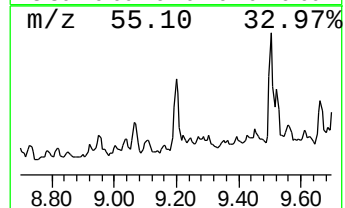
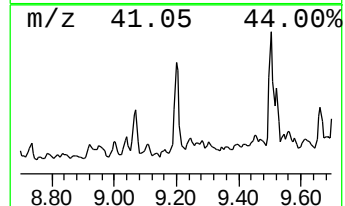
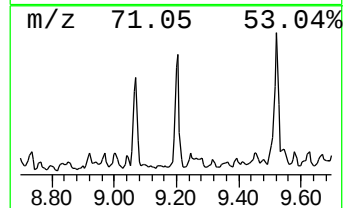
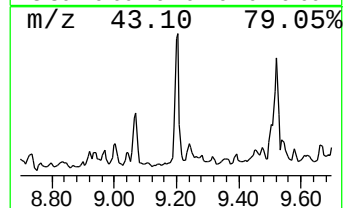
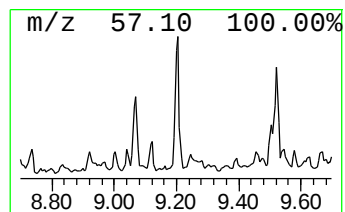
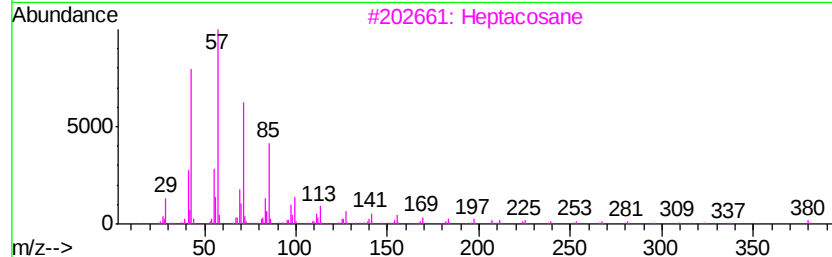
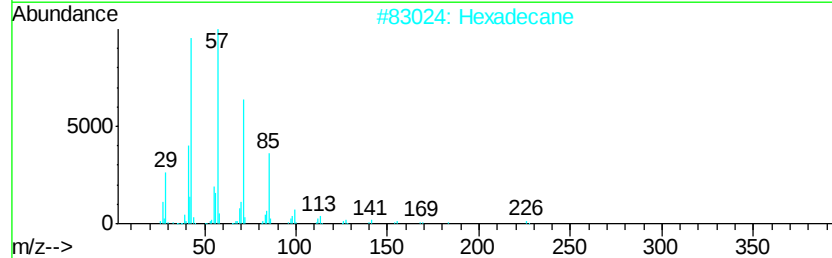
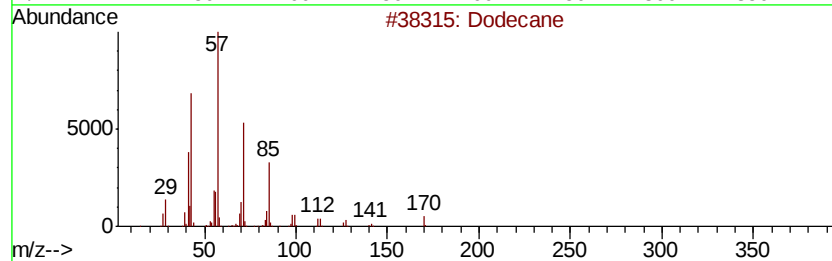
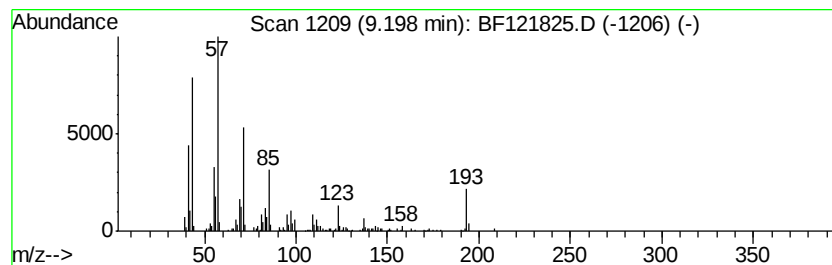
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Dodecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	5.96 ng	278693	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	60
2		Hexadecane	226	C16H34	000544-76-3	53
3		Heptacosane	380	C27H56	000593-49-7	52
4		Tridecane	184	C13H28	000629-50-5	49
5		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	49



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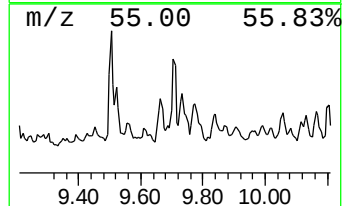
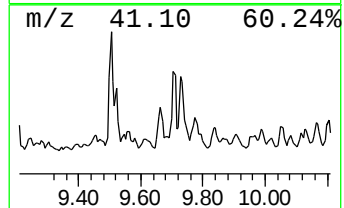
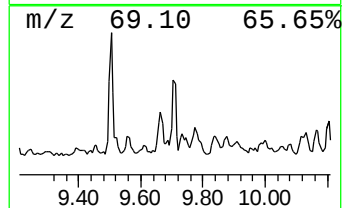
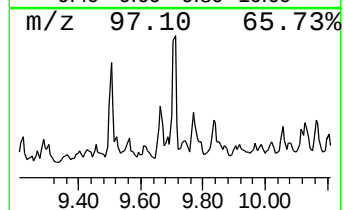
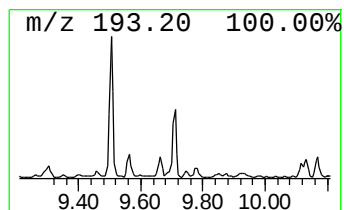
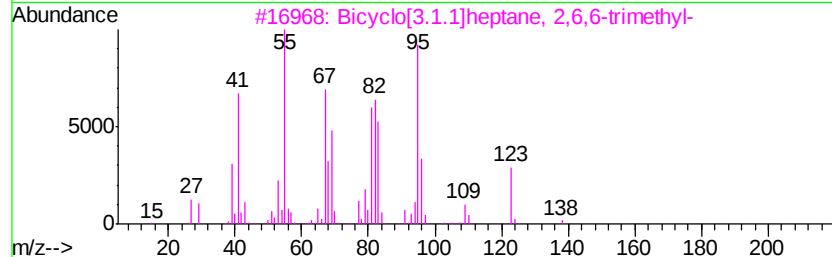
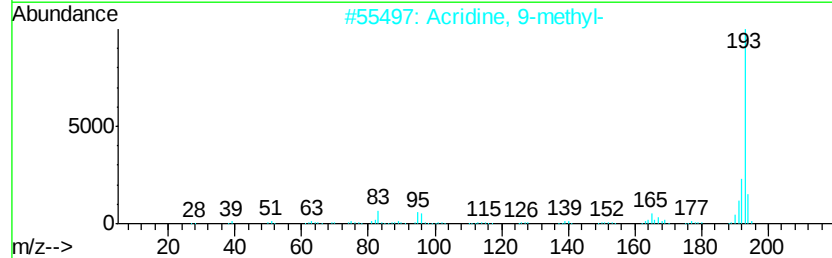
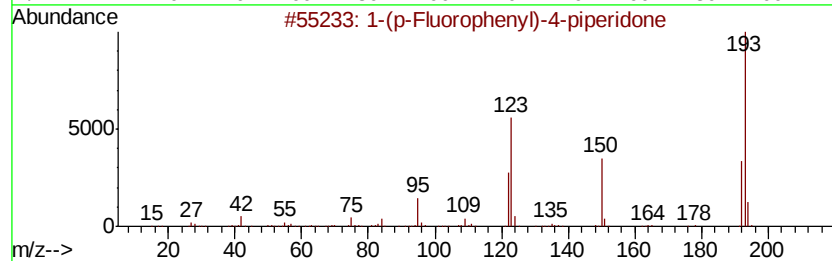
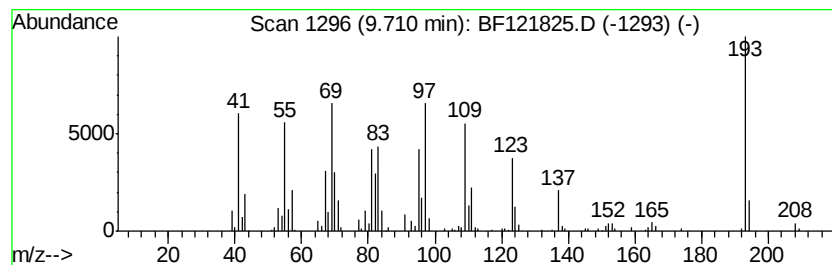
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TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown9.71 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	4.25 ng	198735	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	38
2		Acridine, 9-methyl-	193	C14H11N	000611-64-3	27
3		Bicyclo[3.1.1]heptane, 2,6,6-trimethyl-	138	C10H18	000473-55-2	15
4		Hexadecanedinitrile	248	C16H28N2	006812-44-8	14
5		Pyrazole, 5-methyl-3-(5-nitro-2-...	193	C8H7N3O3	016239-90-0	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
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Operator : JU/CG
Sample : L4247-08
Misc :
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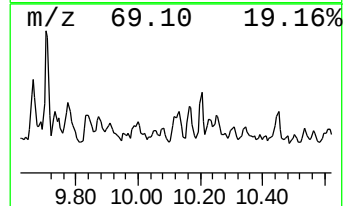
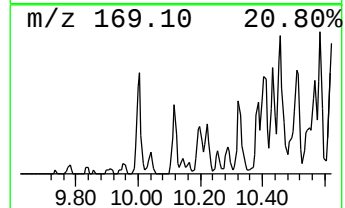
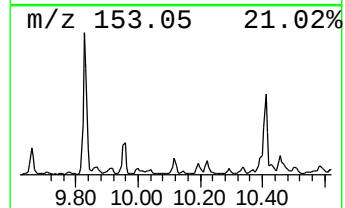
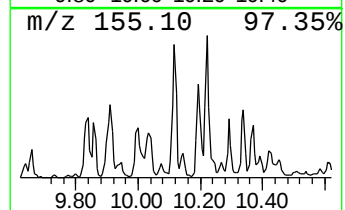
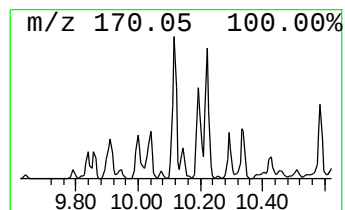
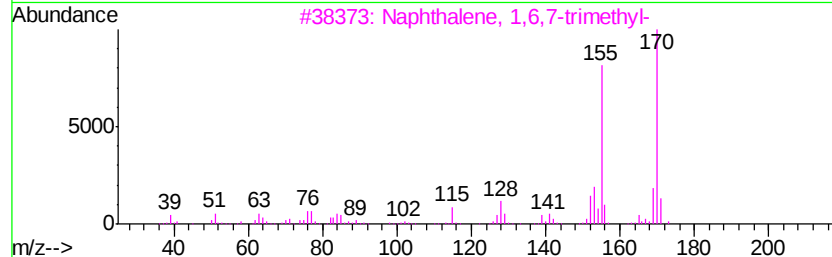
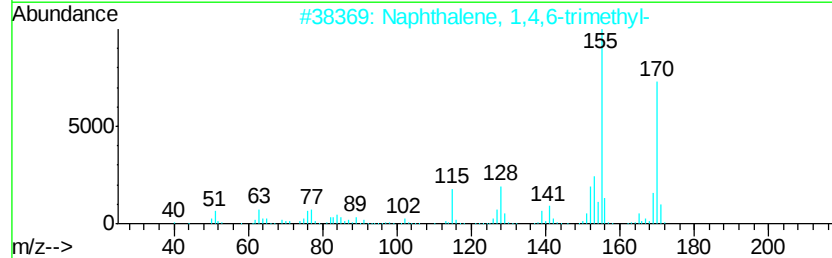
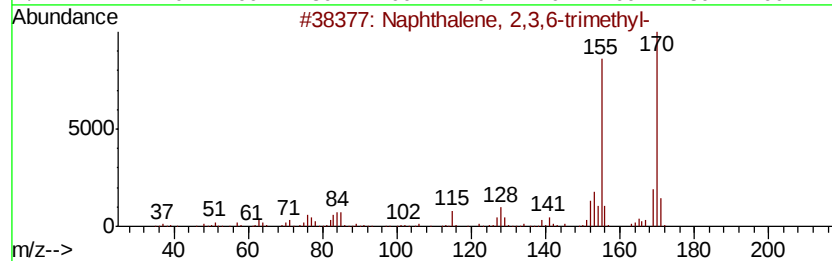
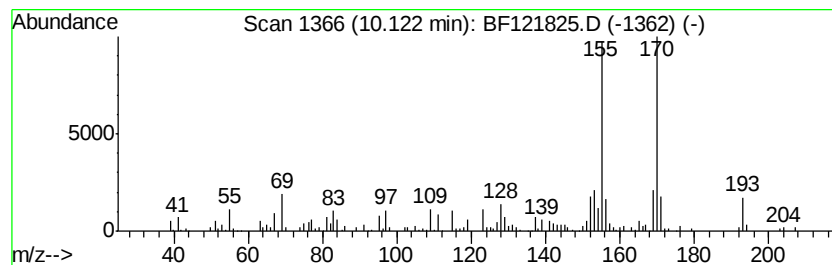
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ClientSampleId :
B-19(5-7)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 2,3,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	5.29 ng	247507	Acenaphthene-d10	9.80
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5 97
2		Naphthalene, 1,4,6-trimethyl-	170 C13H14	002131-42-2 96
3		Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7 95
4		Naphthalene, 1,4,5-trimethyl-	170 C13H14	002131-41-1 91
5		4,6,8-Trimethylazulene	170 C13H14	000941-81-1 91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
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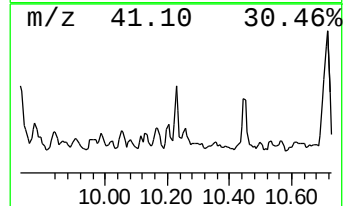
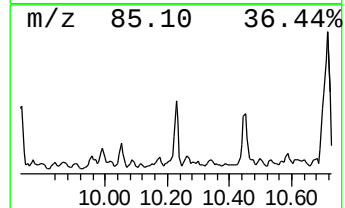
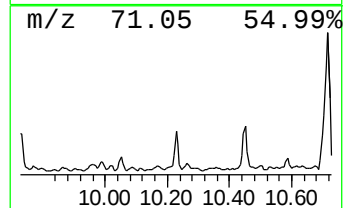
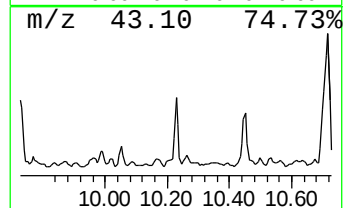
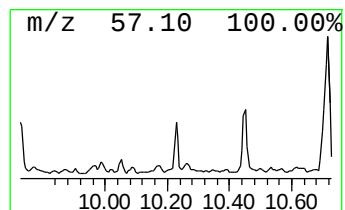
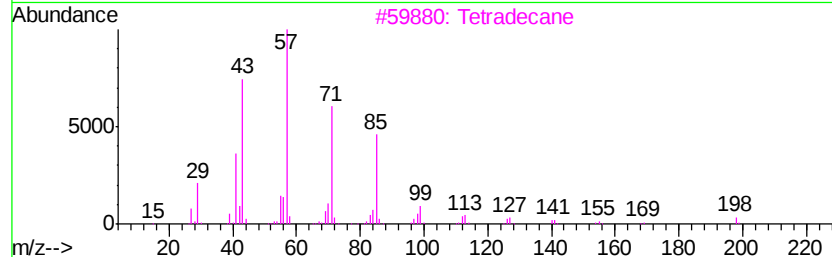
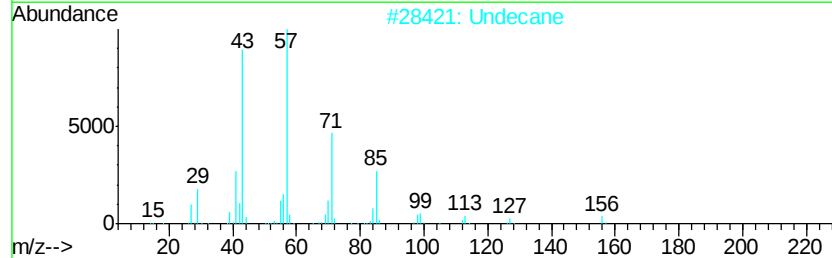
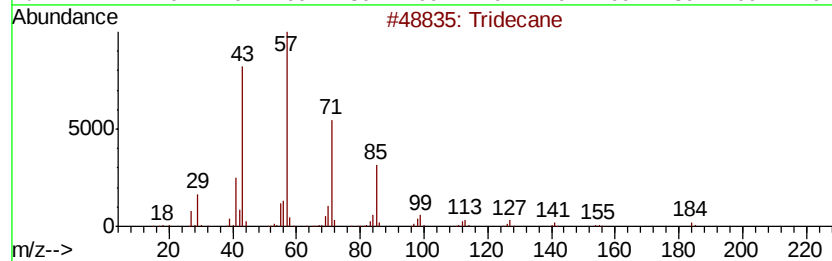
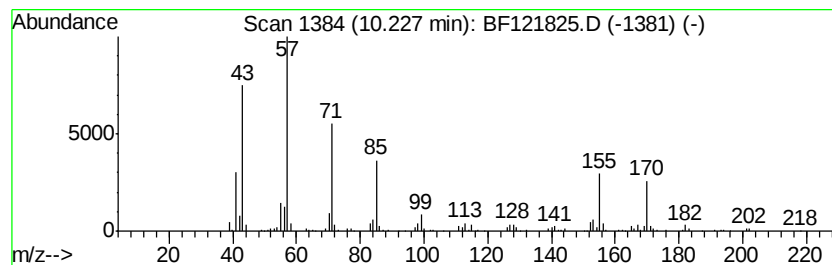
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown10.23 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.23	5.30 ng	247717	Acenaphthene-d10	9.80	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	46
2	Undecane	156	C11H24	001120-21-4	46
3	Tetradecane	198	C14H30	000629-59-4	46
4	Hexadecane	226	C16H34	000544-76-3	46
5	Heptacosane	380	C27H56	000593-49-7	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121825.D
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Operator : JU/CG
Sample : L4247-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

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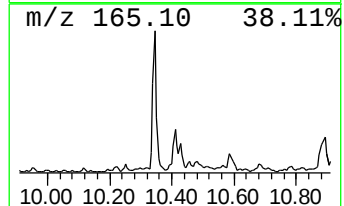
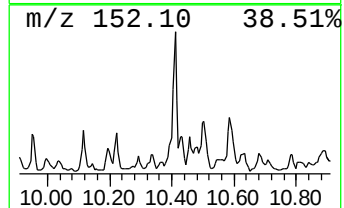
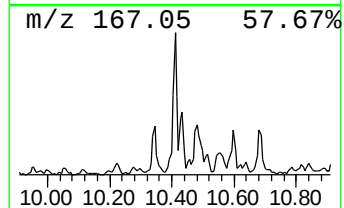
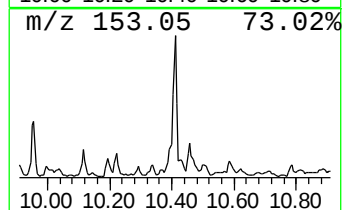
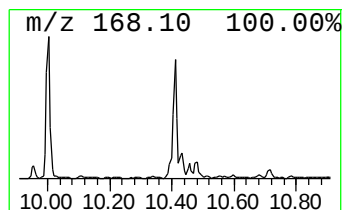
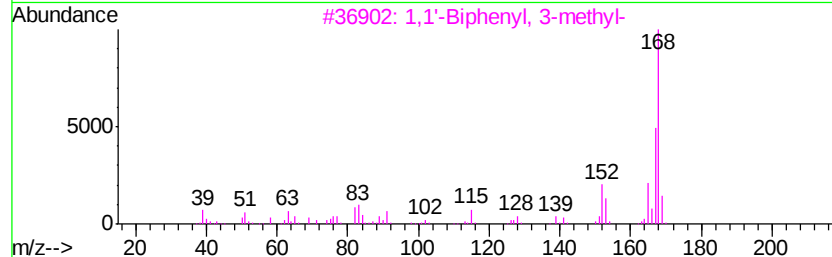
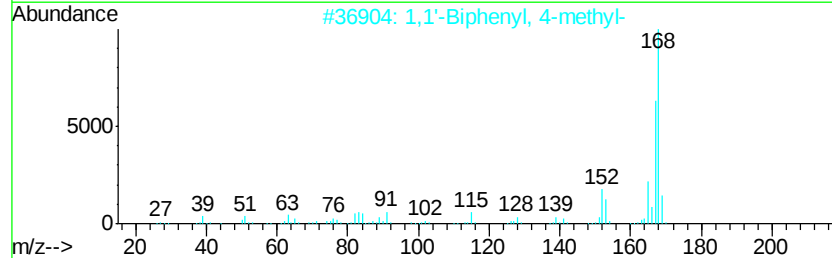
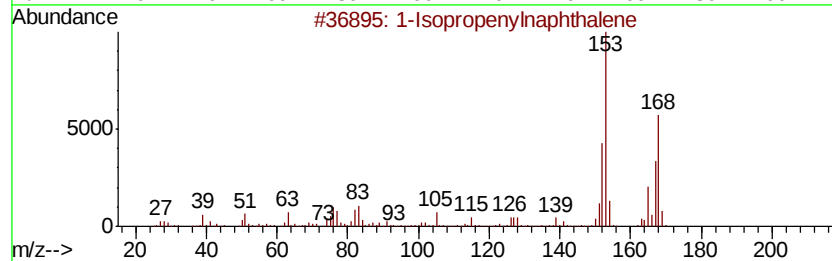
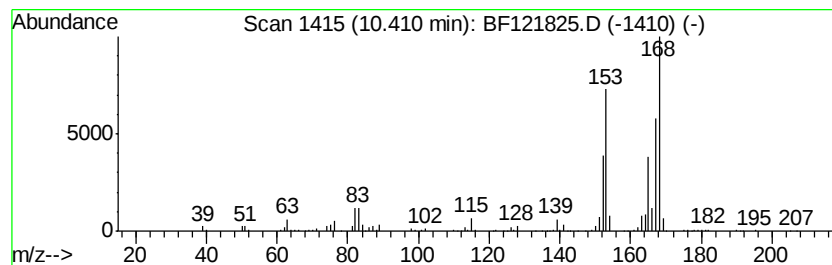
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Isopropenylnaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	4.78 ng	223507	Acenaphthene-d10	9.80

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	74
2		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	58
3		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	49
4		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
5		Nordiphenamid	225	C15H15NO	000954-21-2	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121825.D
Acq On : 5 Oct 2020 19:18
Operator : JU/CG
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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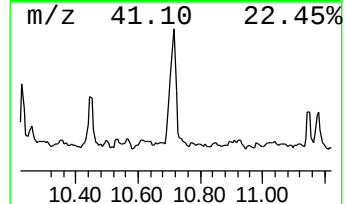
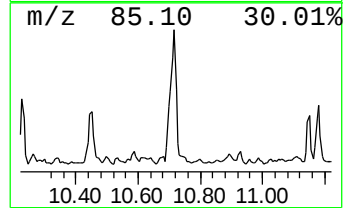
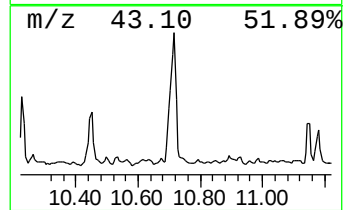
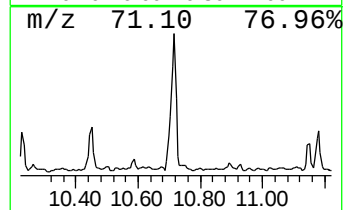
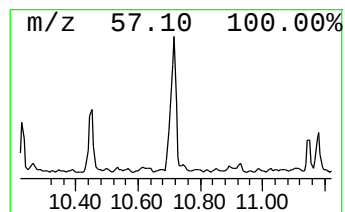
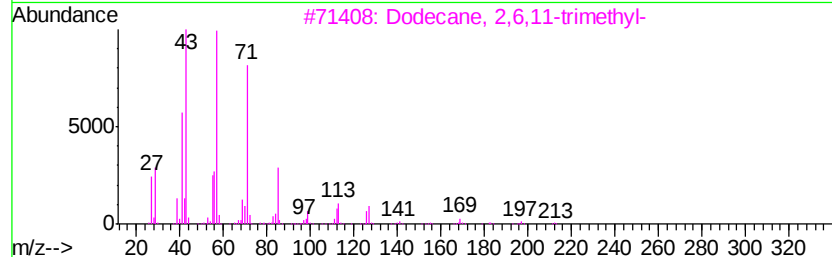
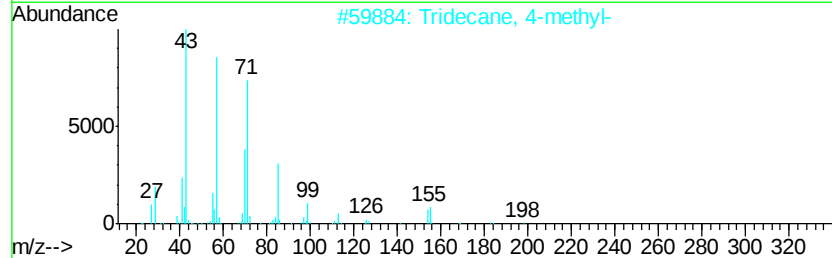
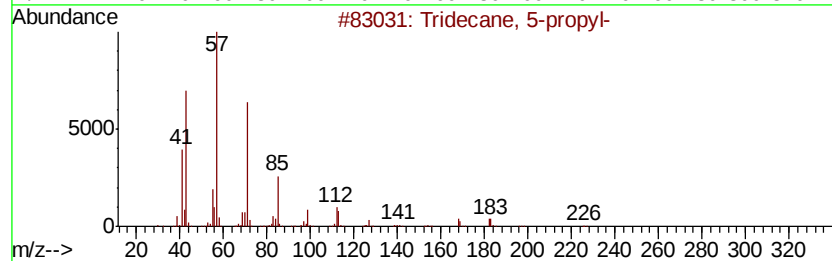
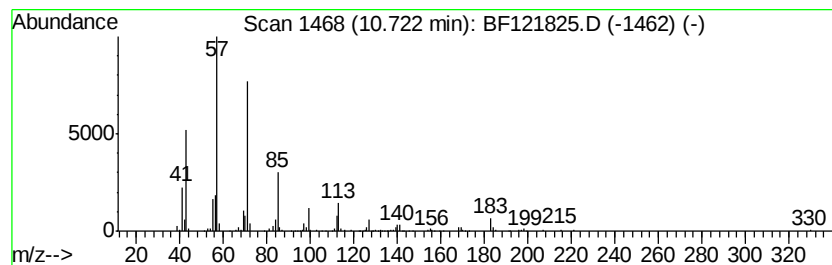
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tridecane, 5-propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	17.42 ng	615518	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
2		Tridecane, 4-methyl-	198	C14H30	026730-12-1	81
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
4		Tridecane, 3-methyl-	198	C14H30	006418-41-3	76
5		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121825.D
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Sample : L4247-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

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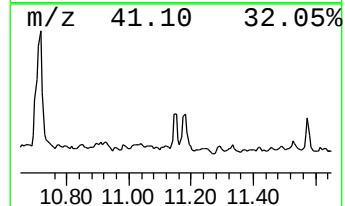
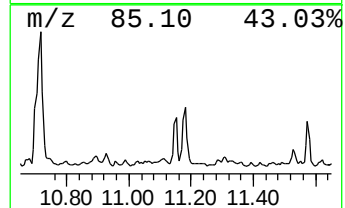
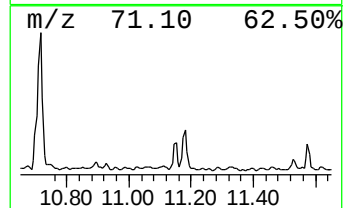
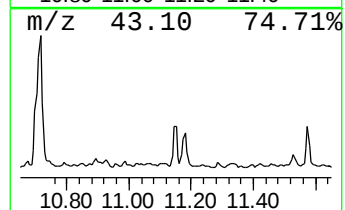
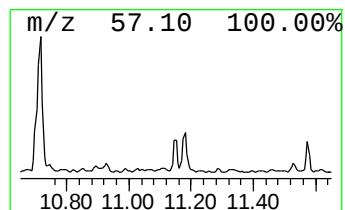
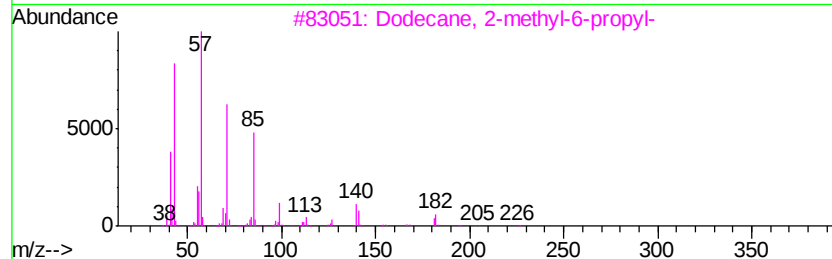
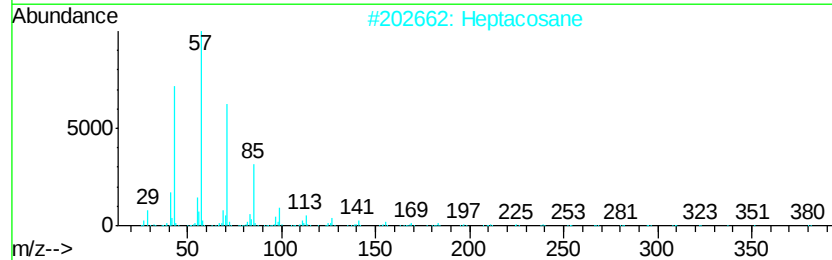
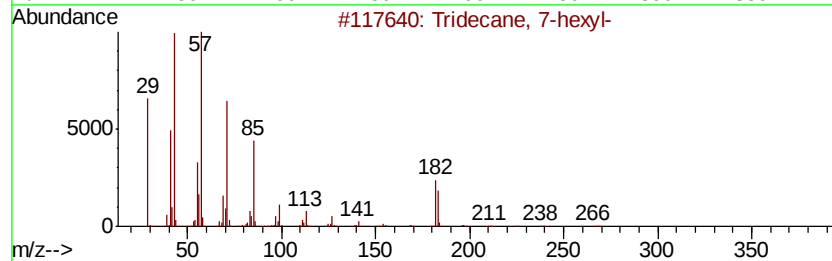
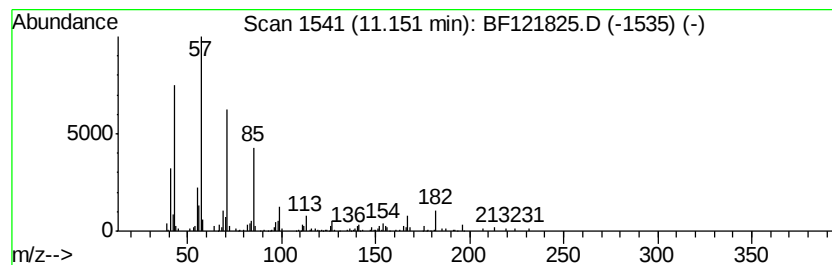
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tridecane, 7-hexyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	6.03 ng	213014	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	58
2		Heptacosane	380	C27H56	000593-49-7	53
3		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	52
4		Hexadecane	226	C16H34	000544-76-3	49
5		Eicosane	282	C20H42	000112-95-8	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
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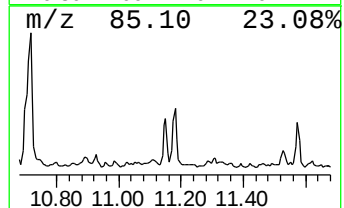
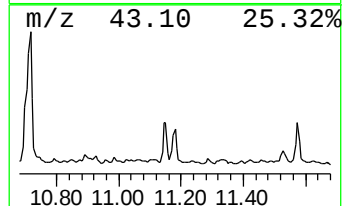
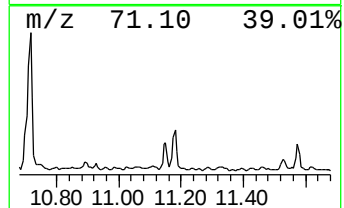
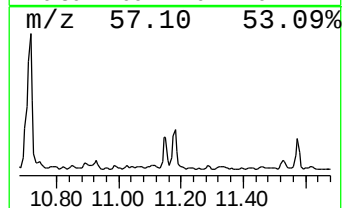
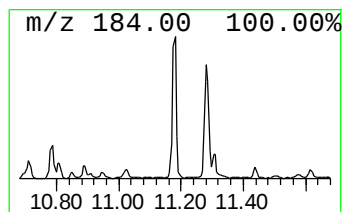
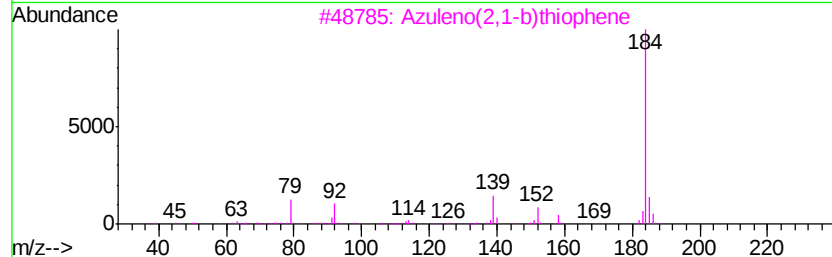
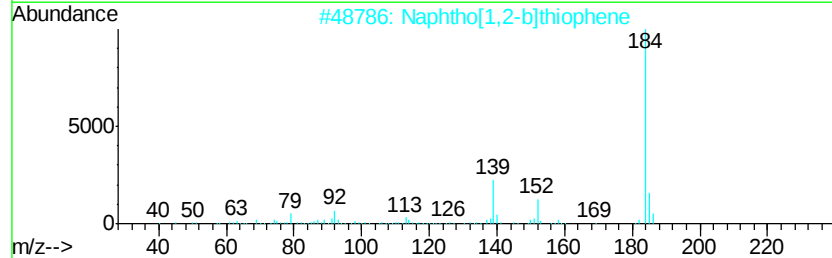
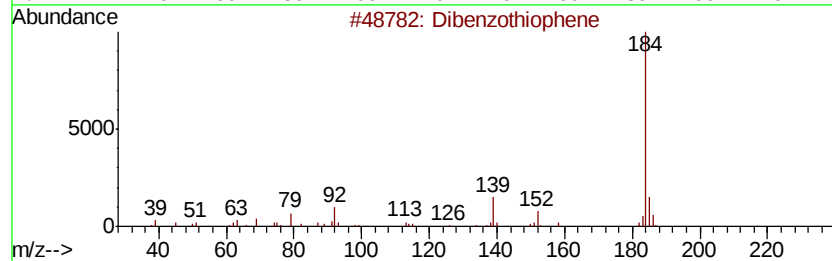
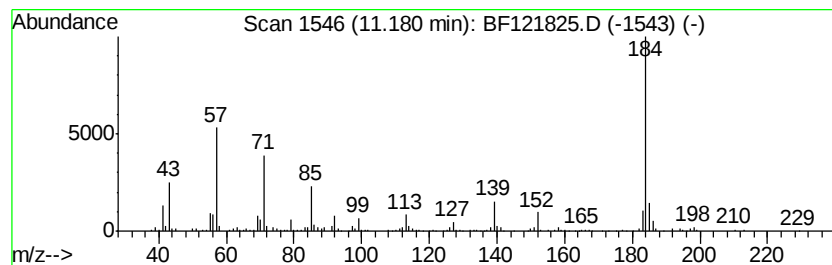
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.18	9.15 ng	323283	Phenanthrene-d10		11.28	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	83
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	78
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	64
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	64
5		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
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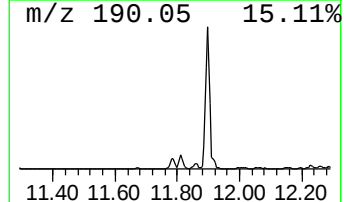
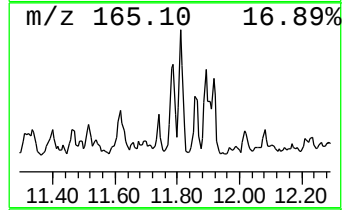
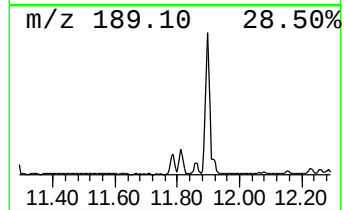
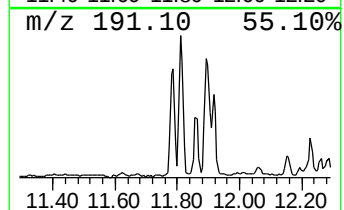
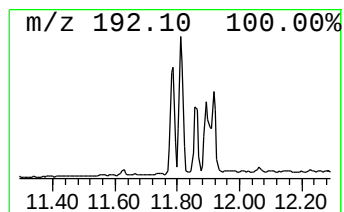
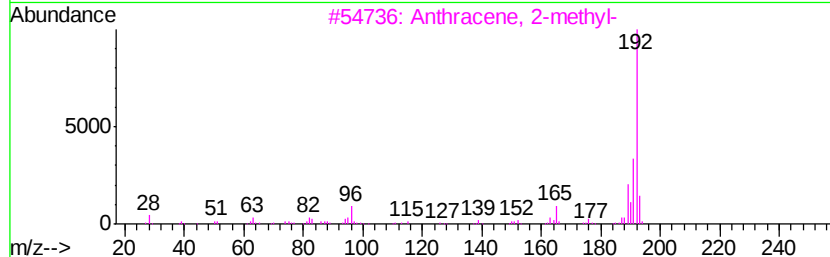
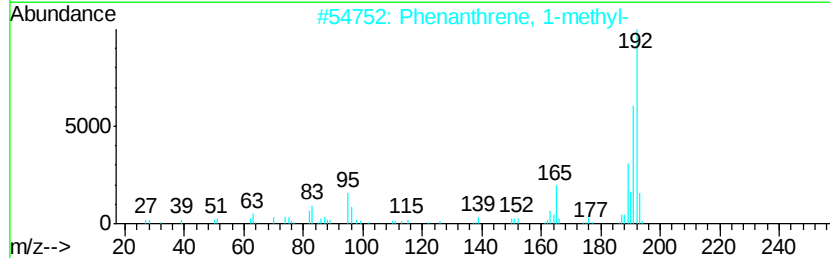
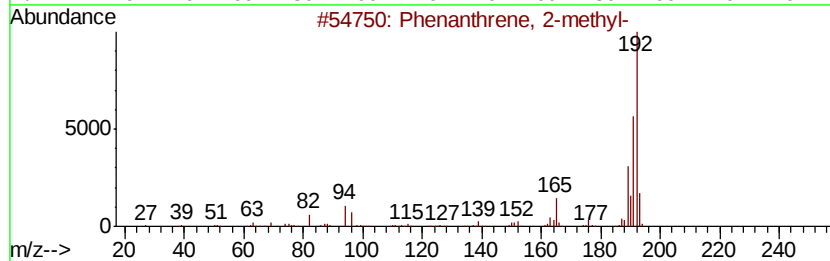
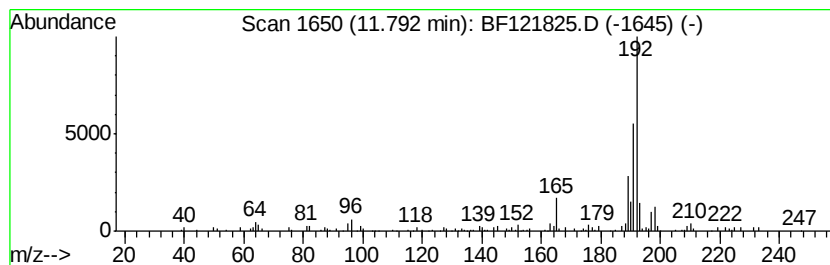
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	5.34 ng	188565	Phenanthrene-d10	11.28

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121825.D
Acq On : 5 Oct 2020 19:18
Operator : JU/CG
Sample : L4247-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-19(5-7)

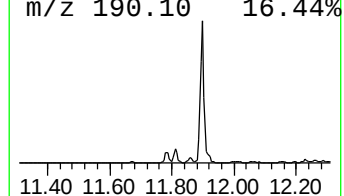
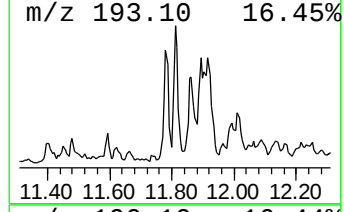
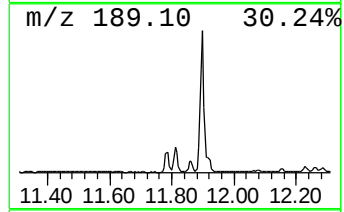
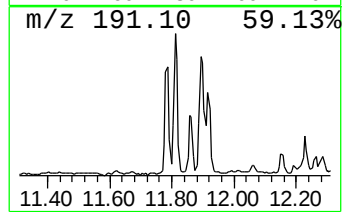
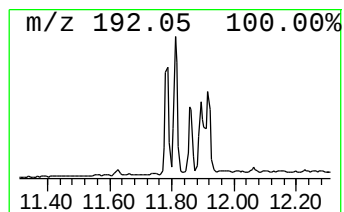
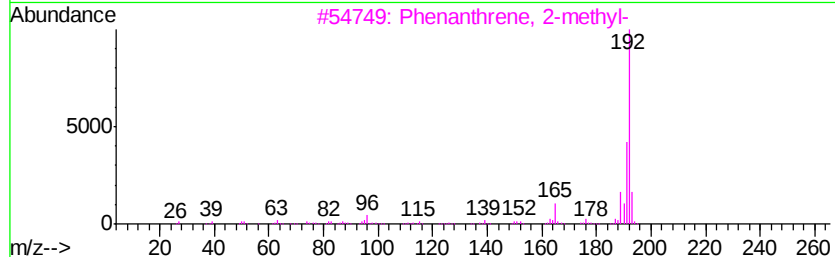
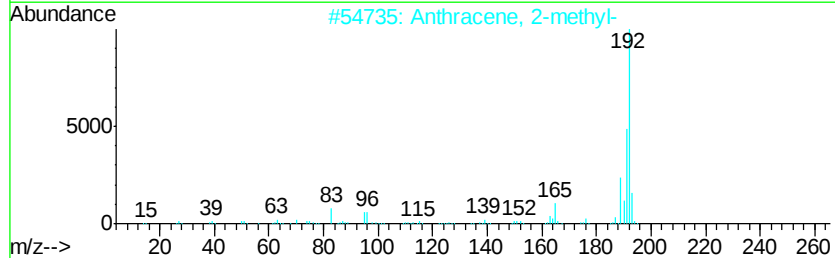
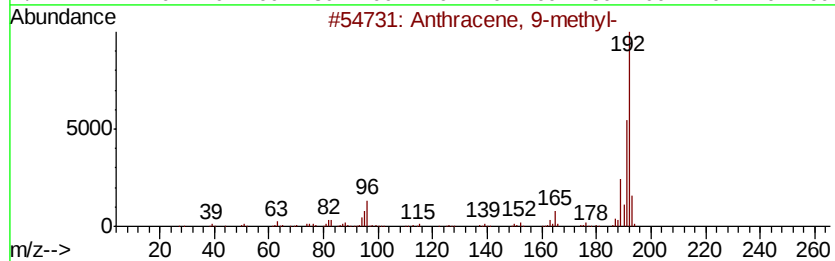
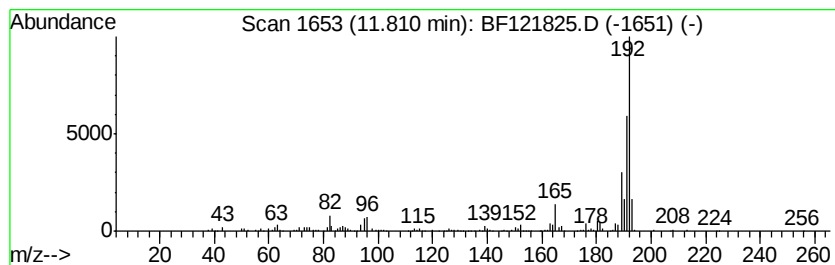
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	6.53 ng	230902	Phenanthrene-d10	11.28

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4			1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
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Acq On : 5 Oct 2020 19:18
Operator : JU/CG
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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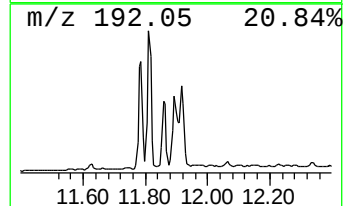
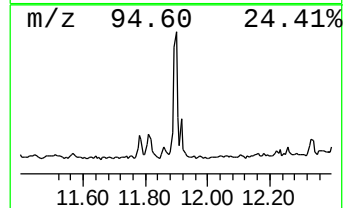
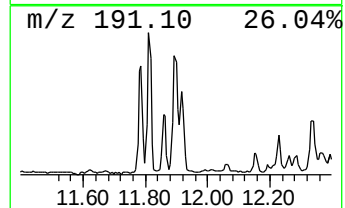
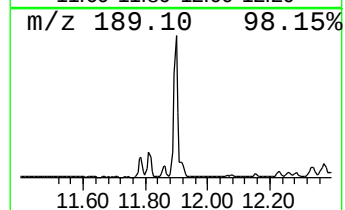
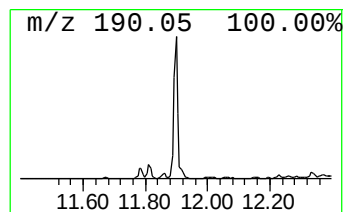
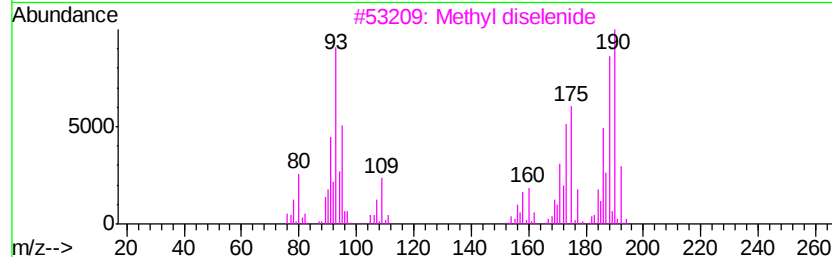
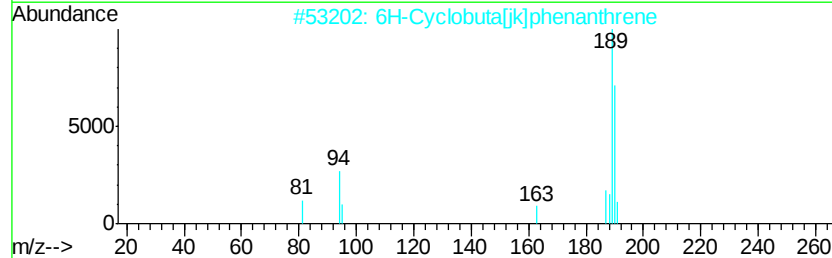
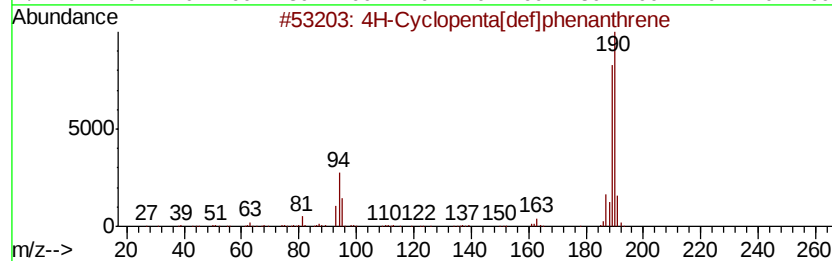
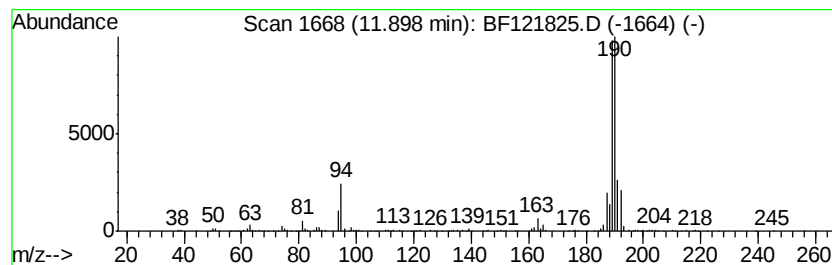
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	13.91 ng	491532	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	56
3		Methyl diselenide	190	C2H6Se2	007101-31-7	53
4		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
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Operator : JU/CG
Sample : L4247-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

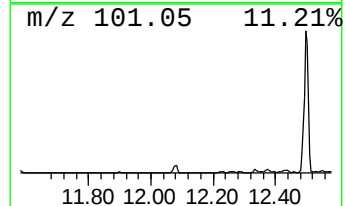
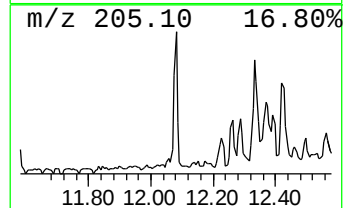
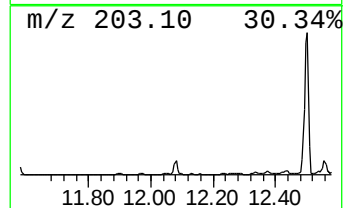
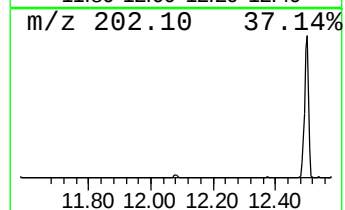
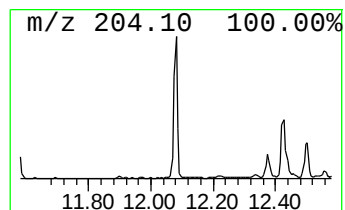
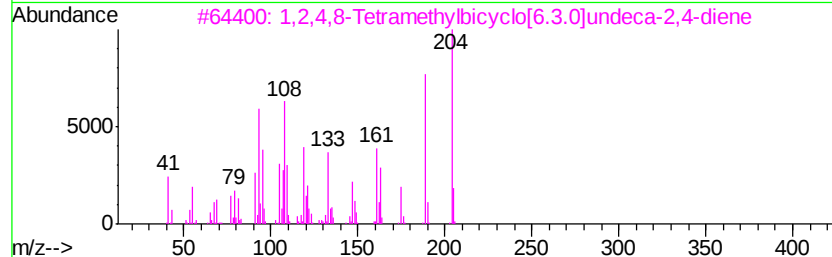
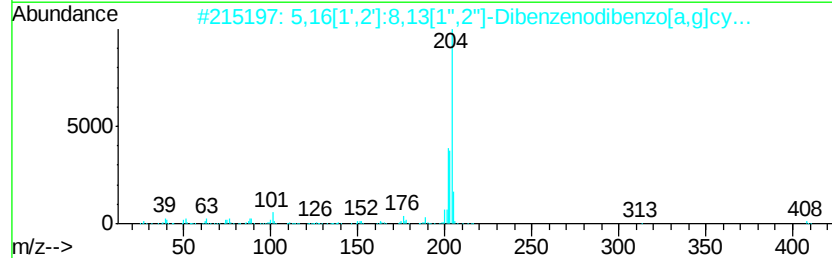
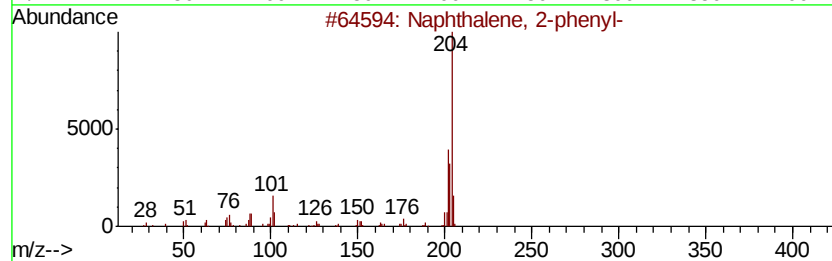
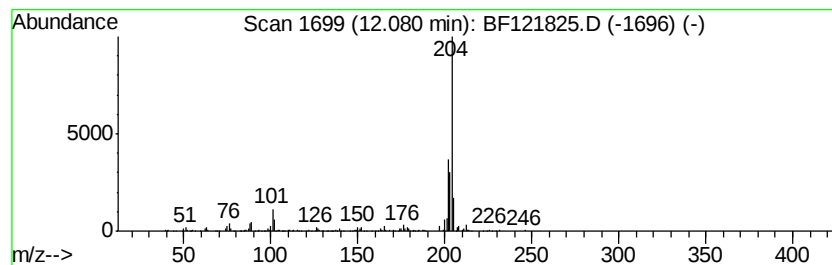
Instrument :
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ClientSampleId :
B-19(5-7)

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 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	4.82 ng	170429	Phenanthrene-d10	11.28
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		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		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204 C15H24	137235-51-9 86
4		6-Phenylbenzocyclohepten-7-one	232 C17H12O	093327-56-1 86
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204 C16H12	006572-60-7 74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121825.D
Acq On : 5 Oct 2020 19:18
Operator : JU/CG
Sample : L4247-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

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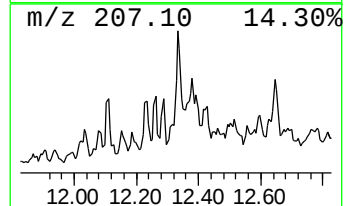
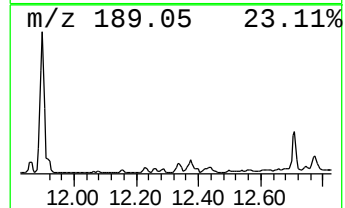
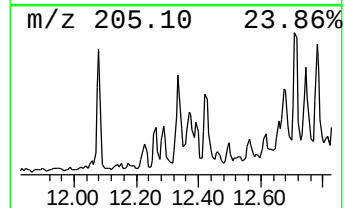
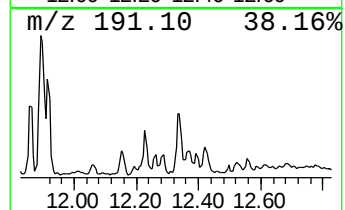
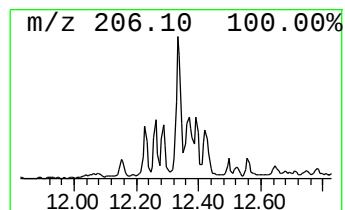
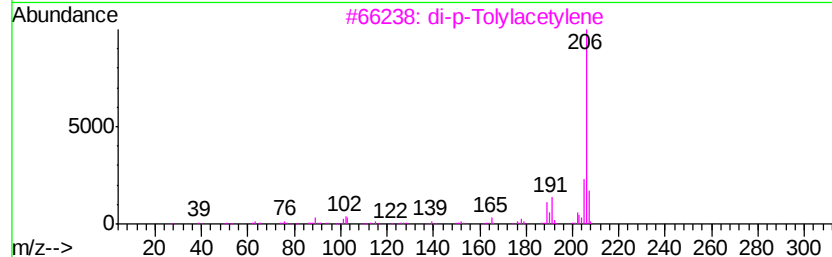
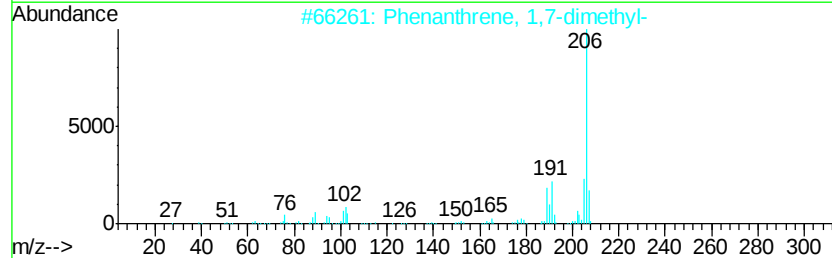
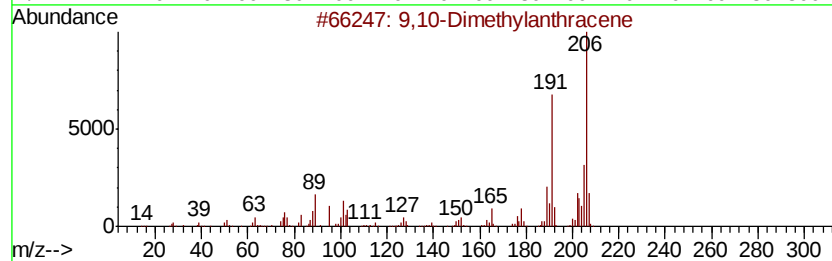
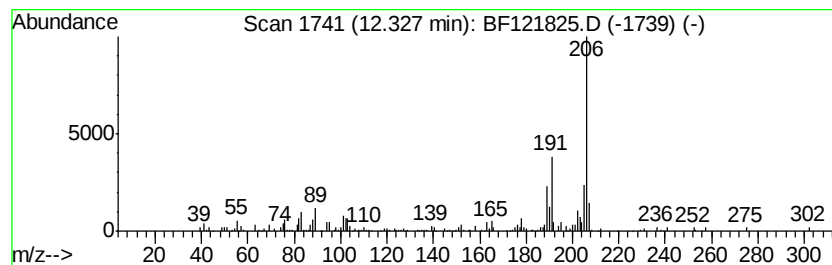
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,10-Dimethylantracene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.44 ng	156801	Phenanthrene-d10	11.28

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3			di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
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Misc :
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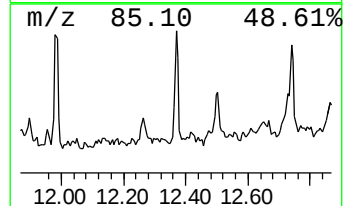
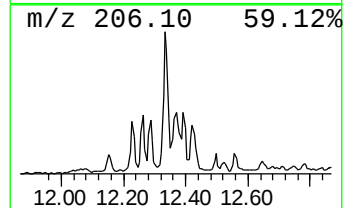
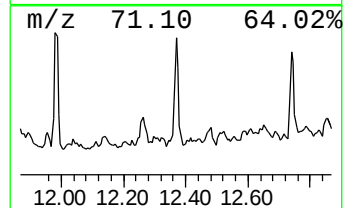
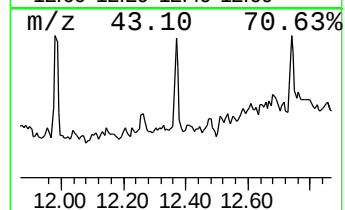
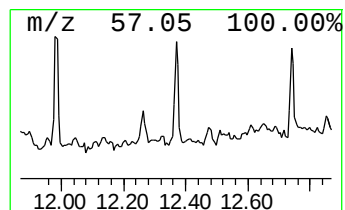
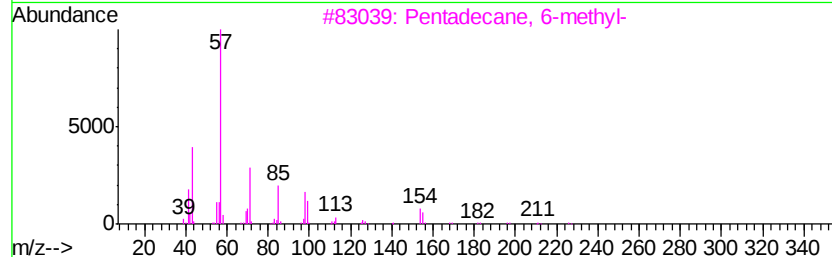
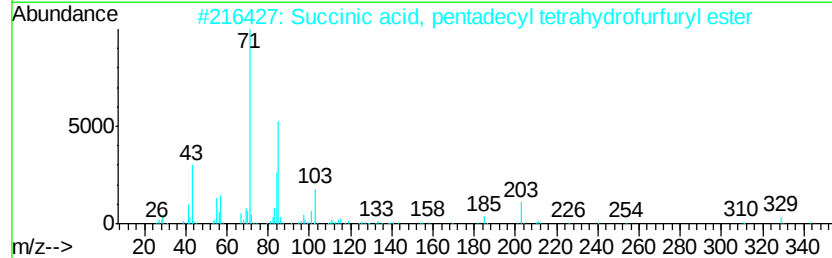
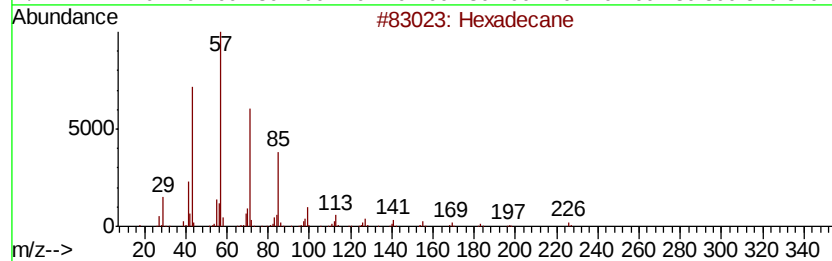
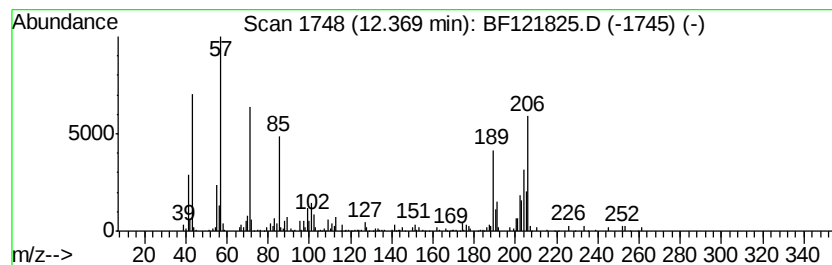
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.37 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.37	4.09 ng	144402	Phenanthrene-d10	11.28	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	35
2	Succinic acid, pentadecyl tetrah...	412	C24H44O5	1000329-87-1	22
3	Pentadecane, 6-methyl-	226	C16H34	010105-38-1	20
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	18
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
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Misc :
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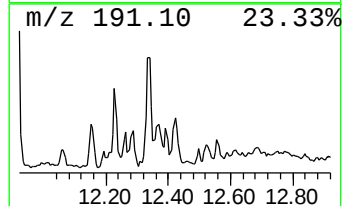
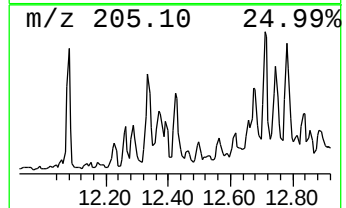
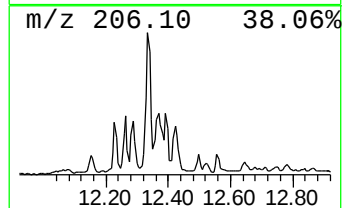
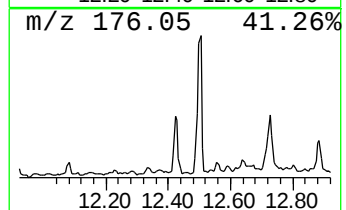
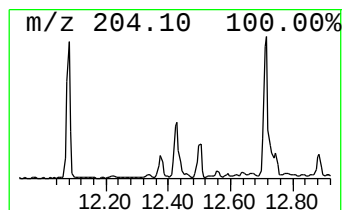
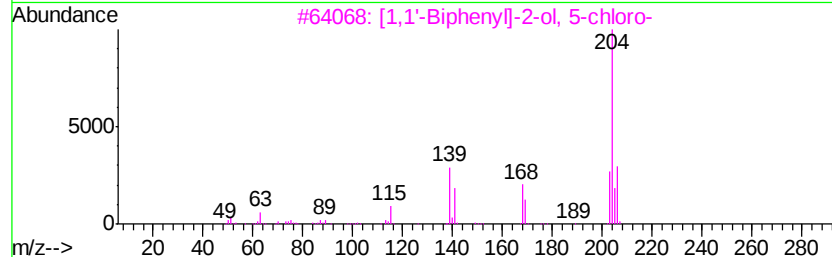
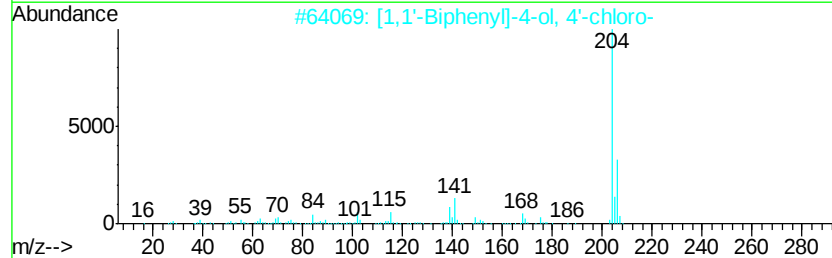
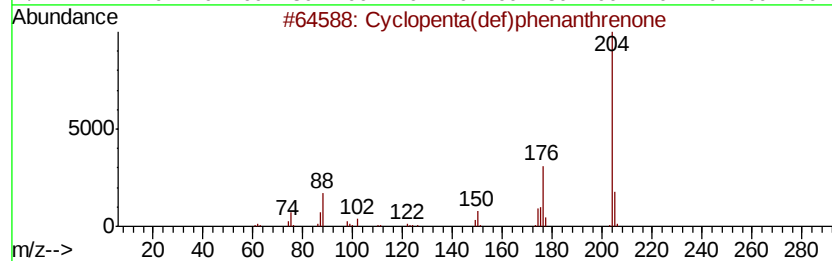
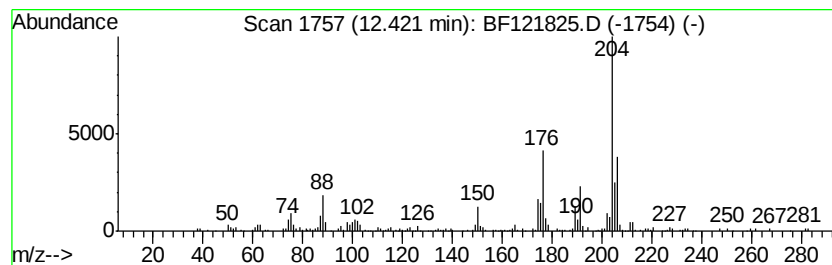
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	4.28 ng	151262	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4		4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	43
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41



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Data File : BF121825.D
Acq On : 5 Oct 2020 19:18
Operator : JU/CG
Sample : L4247-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-19(5-7)

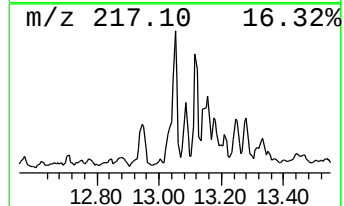
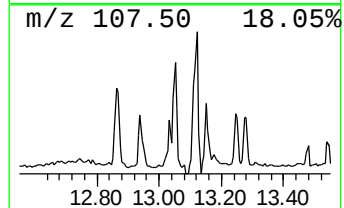
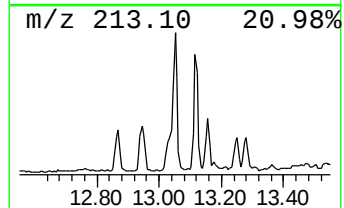
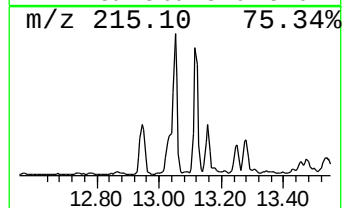
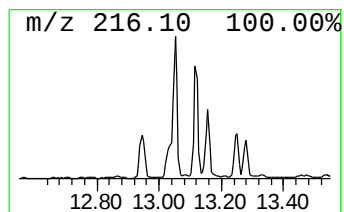
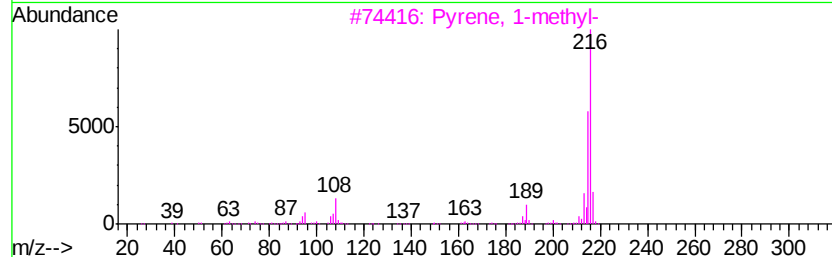
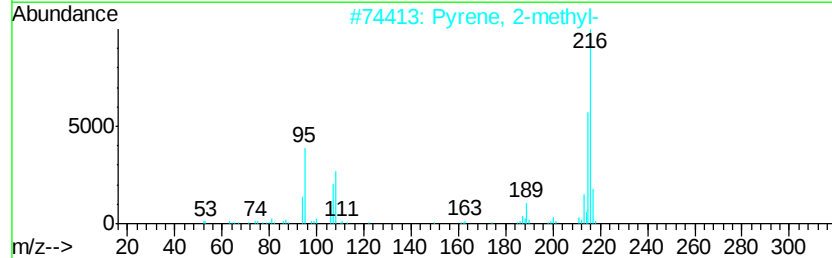
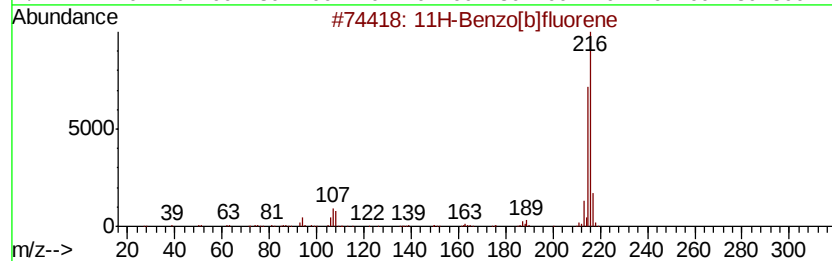
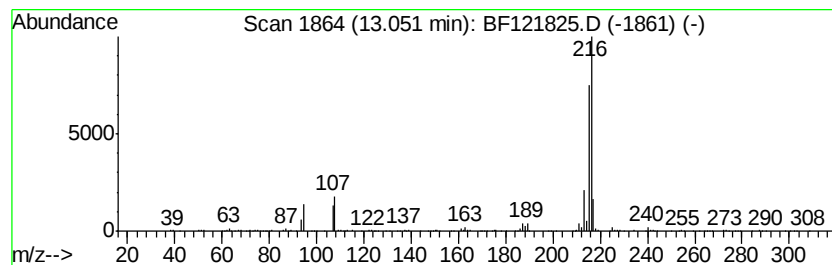
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	4.08 ng	419679	Chrysene-d12	13.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-19(5-7)

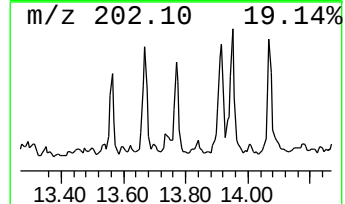
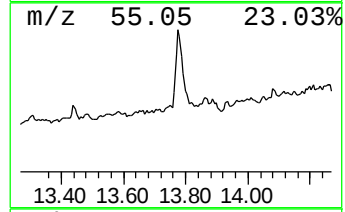
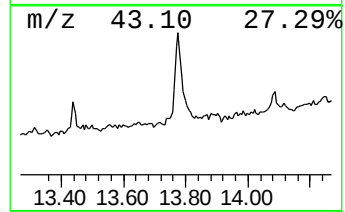
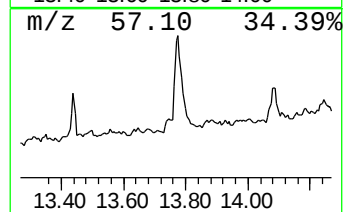
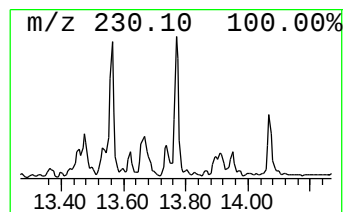
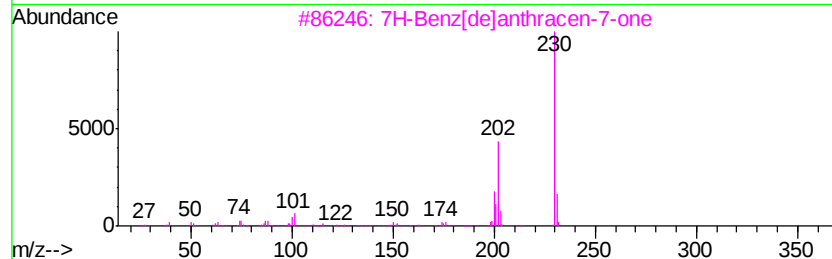
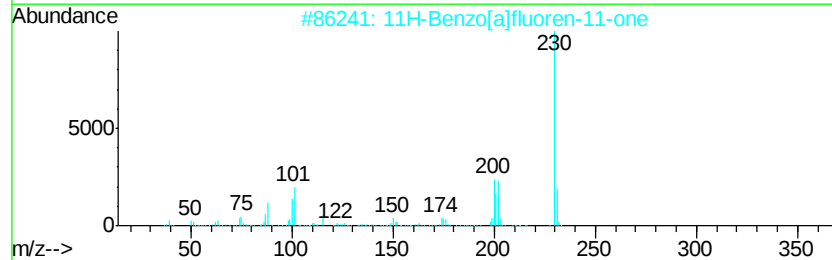
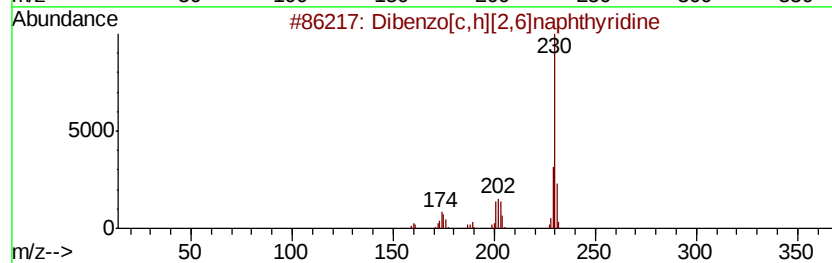
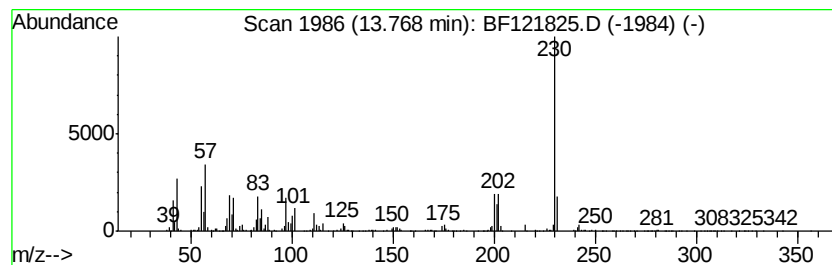
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dibenzo[c,h][2,6]naphthyridine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	4.74 ng	486821	Chrysene-d12	13.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	78
2		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	70
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
4		6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	50
5		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121825.D
Acq On : 5 Oct 2020 19:18
Operator : JU/CG
Sample : L4247-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-19(5-7)

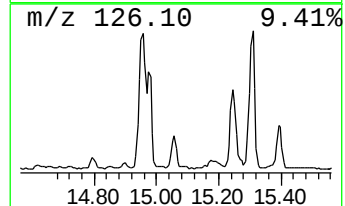
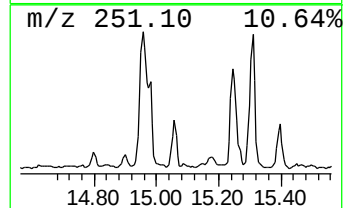
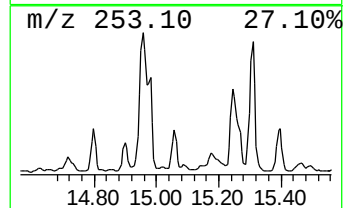
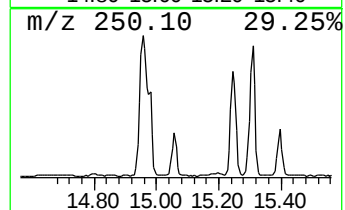
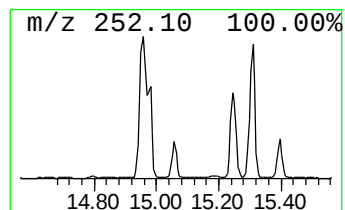
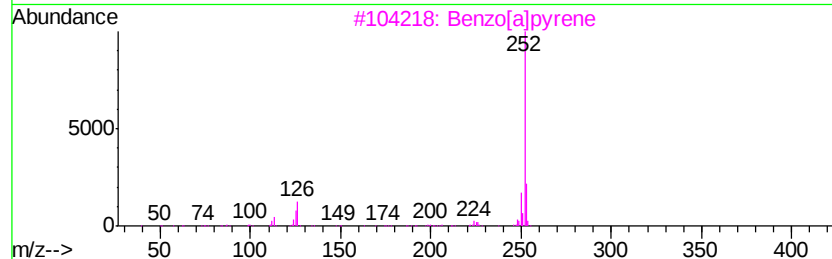
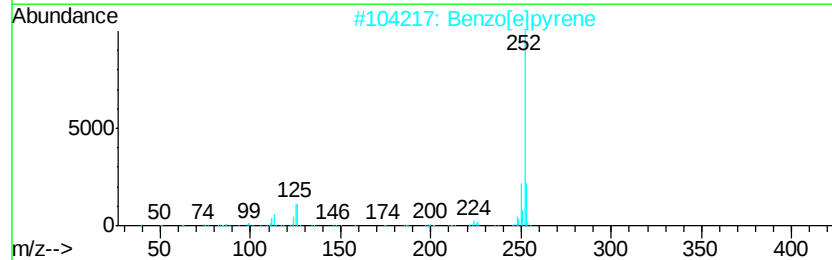
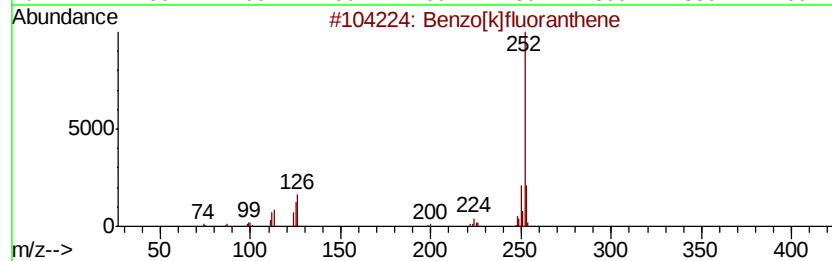
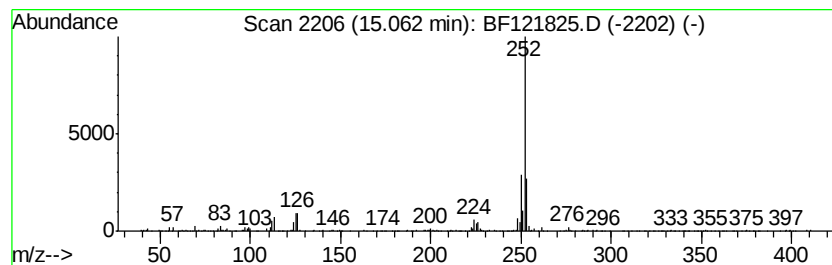
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	8.41 ng	308876	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2		Benzo[e]pyrene	252	C20H12	000192-97-2	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	95
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
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Sample : L4247-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-19(5-7)

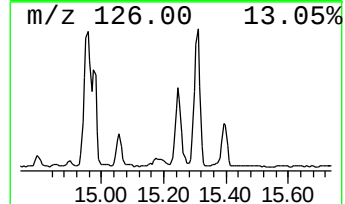
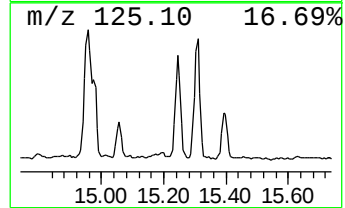
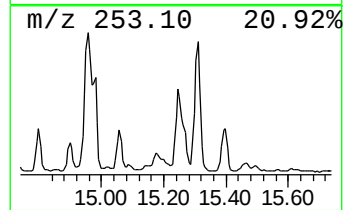
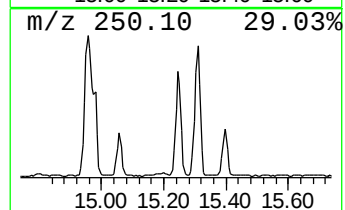
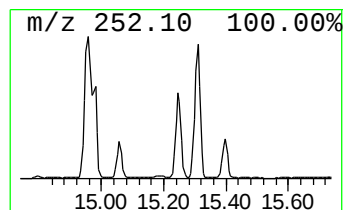
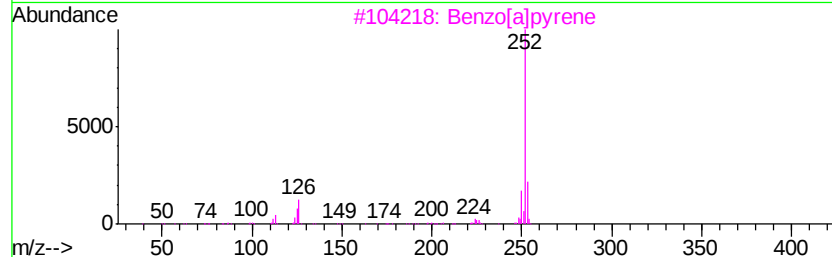
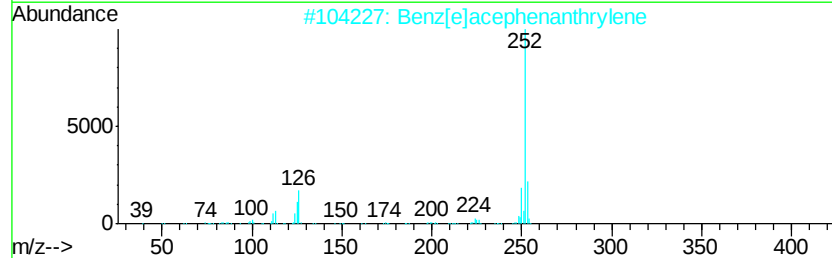
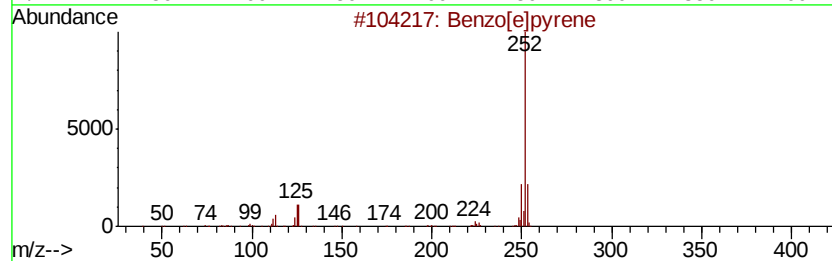
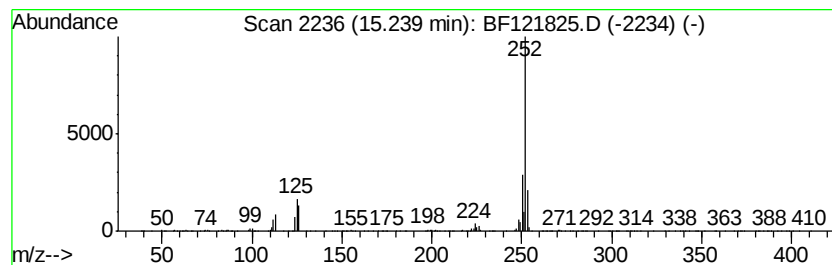
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	24.44 ng	897534	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[el]pvrene	252	C20H12	000192-97-2	99
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	98
3		Benzo[al]pvrene	252	C20H12	000050-32-8	97
4		Perylene	252	C20H12	000198-55-0	95
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



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 Sample : L4247-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-19(5-7)

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
Tridecane	8.64	4.1 ng		188470	2	8.05	917971	20.0
Dodecane	9.20	6.0 ng		278693	3	9.80	935519	20.0
unknown9.71	9.71	4.3 ng		198735	3	9.80	935519	20.0
Naphthalene, 2,3,...	10.12	5.3 ng		247507	3	9.80	935519	20.0
unknown10.23	10.23	5.3 ng		247717	3	9.80	935519	20.0
1-Isopropenyl-naph...	10.41	4.8 ng		223507	3	9.80	935519	20.0
Tridecane, 5-propyl-	10.72	17.4 ng		615518	4	11.28	706714	20.0
Tridecane, 7-hexyl-	11.15	6.0 ng		213014	4	11.28	706714	20.0
Dibenzothiophene	11.18	9.2 ng		323283	4	11.28	706714	20.0
Phenanthrene, 2-m...	11.79	5.3 ng		188565	4	11.28	706714	20.0
Anthracene, 9-met...	11.81	6.5 ng		230902	4	11.28	706714	20.0
4H-Cyclopenta[def...	11.90	13.9 ng		491532	4	11.28	706714	20.0
Naphthalene, 2-ph...	12.08	4.8 ng		170429	4	11.28	706714	20.0
9,10-Dimethylanthe...	12.33	4.4 ng		156801	4	11.28	706714	20.0
unknown12.37	12.37	4.1 ng		144402	4	11.28	706714	20.0
Cyclopenta(def)ph...	12.42	4.3 ng		151262	4	11.28	706714	20.0
11H-Benzo[b]fluorene	13.05	4.1 ng		419679	5	13.92	2055380	20.0
Dibenzo[c,h][2,6]...	13.77	4.7 ng		486821	5	13.92	2055380	20.0
Benzo[e]pyrene	15.06	8.4 ng		308876	6	15.37	734567	20.0
Perylene	15.24	24.4 ng		897534	6	15.37	734567	20.0