

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102518\
 Data File : BF110177.D
 Acq On : 25 Oct 2018 22:57
 Operator : JU/SJ
 Sample : J5625-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-07

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-BF102318.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.310	33	38	54	rVB	379233	534116	15.52%	0.966%
2	3.587	252	255	266	rBV	32540	80138	2.33%	0.145%
3	5.210	527	531	542	rVB	126091	165996	4.82%	0.300%
4	5.592	587	596	599	rBV	3129172	3056559	88.84%	5.529%
5	5.810	630	633	639	rBV2	107134	107984	3.14%	0.195%
6	6.592	759	766	770	rBV2	2919385	3440374	100.00%	6.224%
7	6.733	786	790	794	rBV	3103164	3183165	92.52%	5.758%
8	6.798	796	801	805	rVV2	137201	155124	4.51%	0.281%
9	6.963	826	829	833	rBV	1079771	938594	27.28%	1.698%
10	7.122	852	856	859	rBV	2846789	2469059	71.77%	4.467%
11	7.528	920	925	928	rBV	2013778	1940926	56.42%	3.511%
12	7.822	972	975	979	rBV	162129	146713	4.26%	0.265%
13	8.245	1044	1047	1050	rBV	1195612	1176909	34.21%	2.129%
14	8.269	1050	1051	1054	rVB	222663	126520	3.68%	0.229%
15	8.457	1079	1083	1087	rBV	146916	145805	4.24%	0.264%
16	8.522	1090	1094	1097	rBV	172725	165263	4.80%	0.299%
17	8.963	1165	1169	1172	rBV2	141045	139340	4.05%	0.252%
18	9.063	1182	1186	1188	rBV	104378	93594	2.72%	0.169%
19	9.322	1224	1230	1233	rBV	3562157	3154391	91.69%	5.706%
20	9.392	1239	1242	1245	rBV2	76395	85057	2.47%	0.154%
21	9.663	1285	1288	1290	rBV	95601	85448	2.48%	0.155%
22	9.716	1294	1297	1304	rVB2	555839	594647	17.28%	1.076%
23	9.869	1320	1323	1328	rBV	578008	486336	14.14%	0.880%
24	9.916	1328	1331	1334	rVB2	114463	111881	3.25%	0.202%
25	10.010	1344	1347	1350	rVV	1263171	1085449	31.55%	1.964%
26	10.316	1396	1399	1402	rBV2	108743	137650	4.00%	0.249%
27	10.416	1411	1416	1421	rVB4	96226	159165	4.63%	0.288%
28	10.463	1421	1424	1426	rBV	118682	105039	3.05%	0.190%
29	10.557	1437	1440	1441	rBV2	76249	82333	2.39%	0.149%
30	10.798	1477	1481	1485	rBV	1665243	1473872	42.84%	2.666%
31	10.916	1495	1501	1507	rVB4	106360	219542	6.38%	0.397%
32	11.104	1529	1533	1536	rBV3	92036	136008	3.95%	0.246%
33	11.257	1557	1559	1562	rVV	90823	89251	2.59%	0.161%
34	11.304	1564	1567	1571	rVV2	91195	95835	2.79%	0.173%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.498	1597	1600	1602	rBV	982314	877319	25.50%	1.587%
36	11.527	1602	1605	1609	rVB	1067208	962201	27.97%	1.741%
37	11.574	1610	1613	1616	rBV	363352	312857	9.09%	0.566%
38	11.774	1644	1647	1648	rVV	95749	94702	2.75%	0.171%
39	11.792	1648	1650	1654	rVV	154945	131541	3.82%	0.238%
40	11.833	1654	1657	1660	rVB	133361	124669	3.62%	0.226%
41	12.004	1683	1686	1688	rVV	489637	463069	13.46%	0.838%
42	12.027	1688	1690	1694	rVV	477254	455816	13.25%	0.825%
43	12.080	1696	1699	1701	rVV	157615	160609	4.67%	0.291%
44	12.115	1701	1705	1707	rVV2	669055	774878	22.52%	1.402%
45	12.139	1707	1709	1713	rVV	402479	313681	9.12%	0.567%
46	12.180	1714	1716	1719	rVV2	96680	89026	2.59%	0.161%
47	12.233	1722	1725	1728	rVV2	87179	83430	2.43%	0.151%
48	12.298	1732	1736	1738	rVV2	284816	294070	8.55%	0.532%
49	12.327	1738	1741	1747	rVB2	209075	228935	6.65%	0.414%
50	12.445	1759	1761	1764	rVV2	131857	126083	3.66%	0.228%
51	12.474	1764	1766	1769	rVV	124163	119612	3.48%	0.216%
52	12.551	1776	1779	1782	rBV	503342	537163	15.61%	0.972%
53	12.592	1782	1786	1788	rVV2	221310	319831	9.30%	0.579%
54	12.610	1788	1789	1791	rVB	187029	96692	2.81%	0.175%
55	12.639	1791	1794	1799	rBV2	324489	418423	12.16%	0.757%
56	12.721	1804	1808	1811	rVB	2038429	1743054	50.66%	3.153%
57	12.757	1811	1814	1816	rBV	132031	119677	3.48%	0.217%
58	12.815	1821	1824	1826	rVB	373183	326543	9.49%	0.591%
59	12.845	1826	1829	1831	rBV2	118164	109222	3.17%	0.198%
60	12.892	1835	1837	1841	rVB	169963	147792	4.30%	0.267%
61	12.957	1841	1848	1852	rVB	2550427	2731855	79.41%	4.942%
62	12.998	1852	1855	1858	rVB	190520	194054	5.64%	0.351%
63	13.086	1866	1870	1873	rBV	2239214	1939530	56.38%	3.509%
64	13.162	1879	1883	1890	rBV2	343357	561742	16.33%	1.016%
65	13.221	1890	1893	1895	rVV3	81544	83717	2.43%	0.151%
66	13.251	1895	1898	1900	rVV3	333741	449418	13.06%	0.813%
67	13.274	1900	1902	1905	rVB	465059	403730	11.74%	0.730%
68	13.339	1911	1913	1917	rBV	187676	164975	4.80%	0.298%
69	13.380	1917	1920	1923	rVV	481630	391795	11.39%	0.709%
70	13.439	1927	1930	1933	rBV3	66744	95550	2.78%	0.173%
71	13.474	1933	1936	1938	rBV	435468	349229	10.15%	0.632%

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72	13.504	1938	1941	1944	rVB	396676	314877	9.15%	0.570%
73	13.586	1952	1955	1958	rVB3	84160	96024	2.79%	0.174%
74	13.786	1986	1989	1993	rVB	288155	317946	9.24%	0.575%
75	13.898	2002	2008	2010	rBV2	249820	385211	11.20%	0.697%
76	13.921	2010	2012	2015	rVV	270347	240722	7.00%	0.435%
77	13.968	2015	2020	2022	rVV3	214256	400799	11.65%	0.725%
78	13.992	2022	2024	2028	rVB	240060	212638	6.18%	0.385%
79	14.145	2045	2050	2053	rBV2	1510379	2270864	66.01%	4.108%
80	14.174	2053	2055	2063	rVV	1215322	1226873	35.66%	2.219%
81	14.233	2063	2065	2067	rVV	104169	82247	2.39%	0.149%
82	14.292	2073	2075	2085	rVB3	354001	508510	14.78%	0.920%
83	14.404	2092	2094	2096	rVB	123967	93687	2.72%	0.169%
84	14.498	2107	2110	2112	rBV	123637	113669	3.30%	0.206%
85	14.533	2112	2116	2119	rVV	394615	435174	12.65%	0.787%
86	14.568	2119	2122	2124	rVV	237901	186389	5.42%	0.337%
87	14.662	2135	2138	2140	rBV2	185582	157115	4.57%	0.284%
88	14.686	2140	2142	2145	rVB	173118	145055	4.22%	0.262%
89	14.733	2148	2150	2154	rVB2	111915	107773	3.13%	0.195%
90	14.909	2178	2180	2183	rVB2	97214	95524	2.78%	0.173%
91	15.221	2229	2233	2237	rBV	646319	1084989	31.54%	1.963%
92	15.333	2249	2252	2260	rVB	185880	263501	7.66%	0.477%
93	15.545	2284	2288	2294	rVB	466710	580793	16.88%	1.051%
94	15.609	2295	2299	2304	rVB	668703	839262	24.39%	1.518%
95	15.674	2305	2310	2314	rBV2	568301	804346	23.38%	1.455%
96	15.709	2314	2316	2322	rVB2	140482	204341	5.94%	0.370%
97	16.133	2384	2388	2392	rVB2	156828	241464	7.02%	0.437%
98	17.239	2570	2576	2582	rBV2	202688	405028	11.77%	0.733%
99	17.492	2614	2619	2624	rBV3	76119	147428	4.29%	0.267%
100	17.715	2651	2657	2663	rVB	171614	351062	10.20%	0.635%

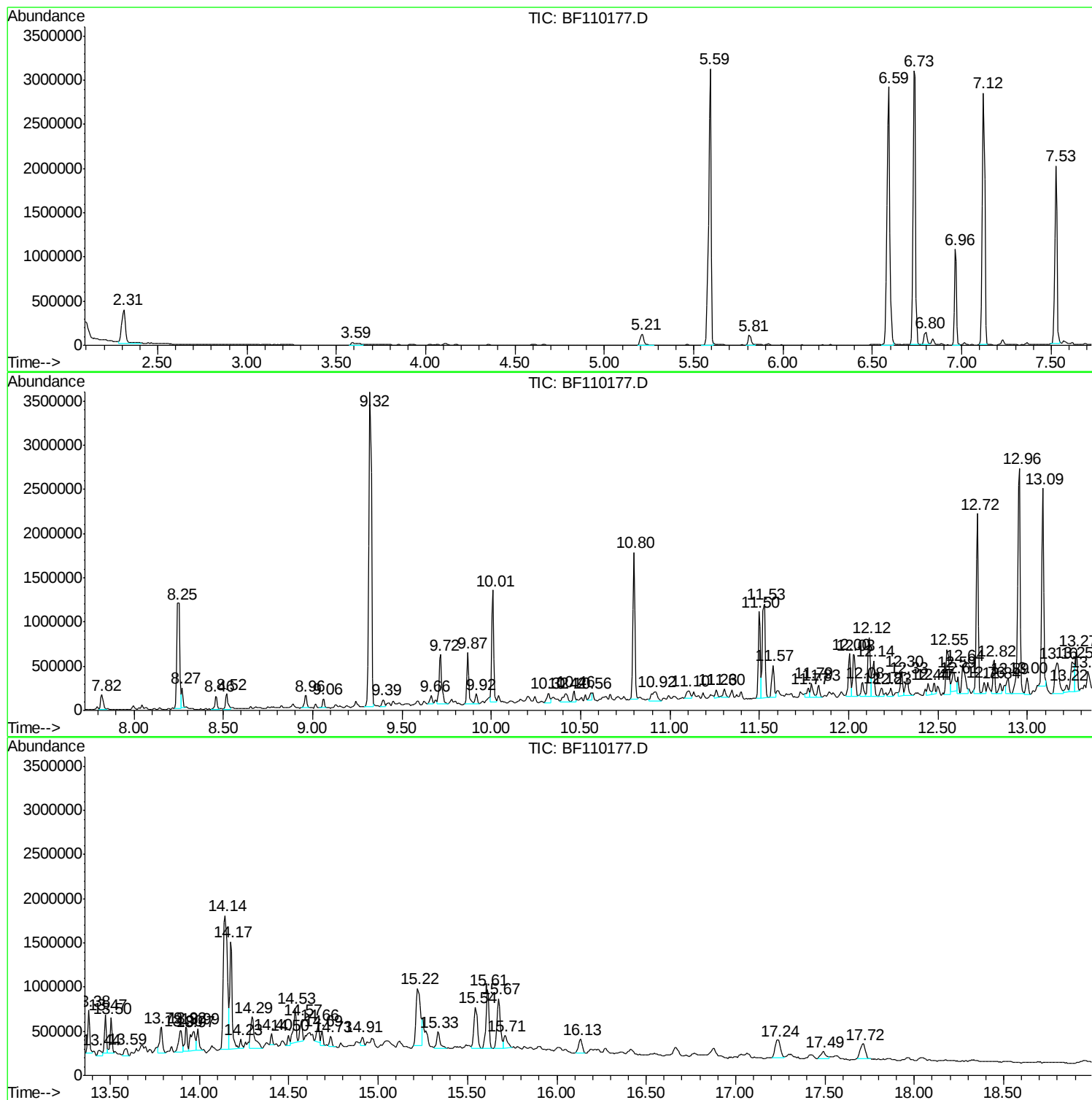
Sum of corrected areas: 55277884

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Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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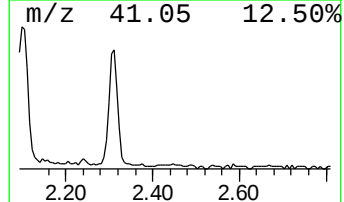
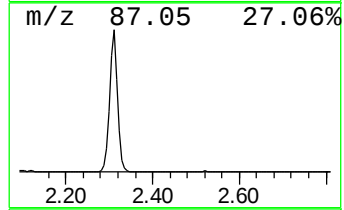
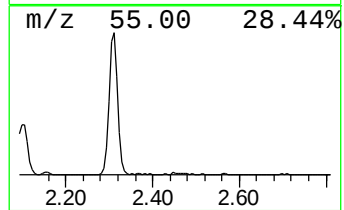
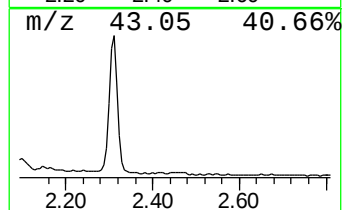
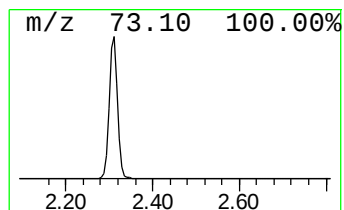
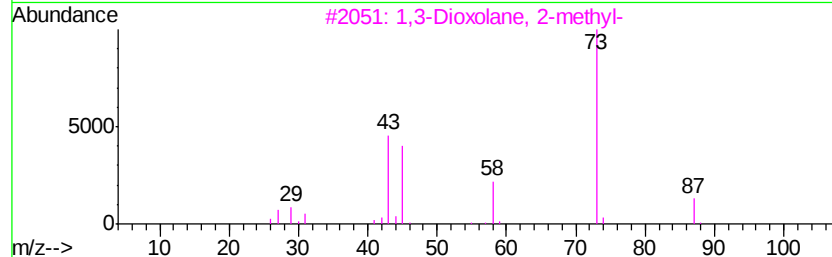
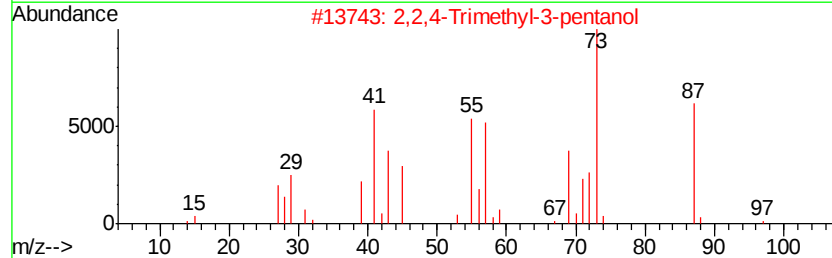
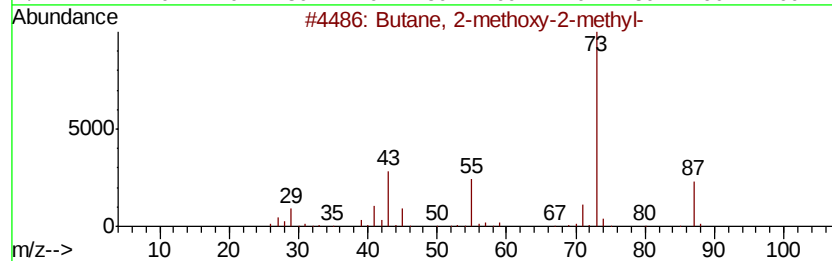
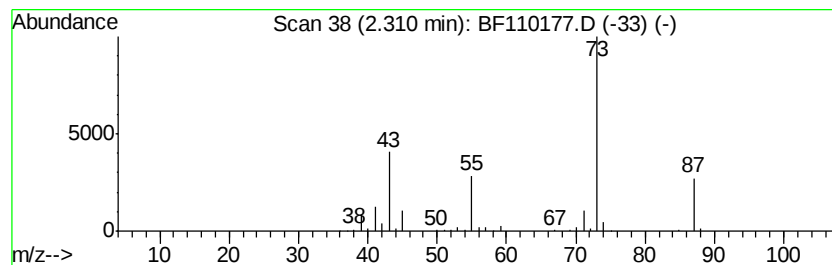
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.31	11.38 ng	534116	1,4-Dichlorobenzene-d4	6.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5		Silane, tetramethyl-	88	C4H12Si	000075-76-3	10



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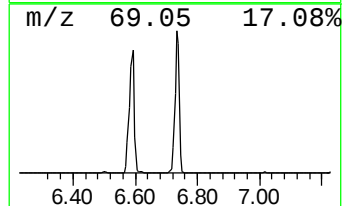
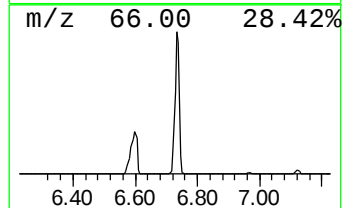
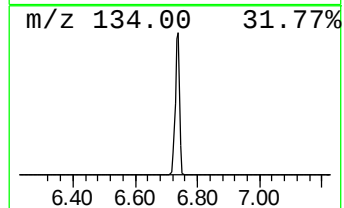
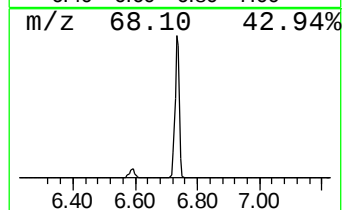
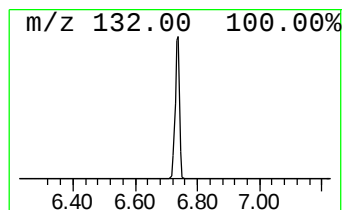
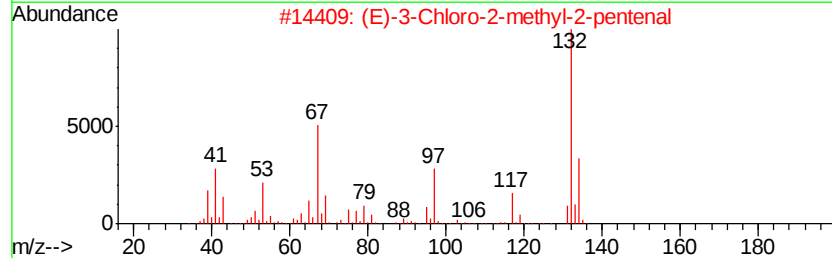
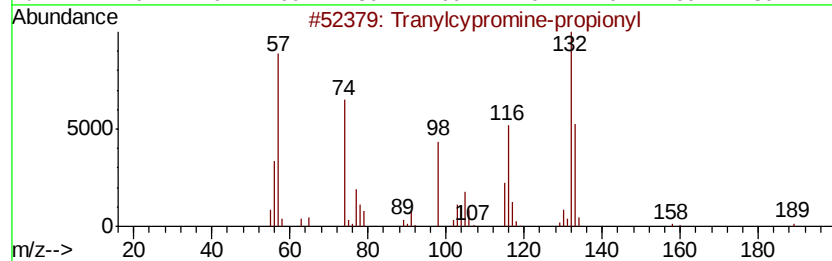
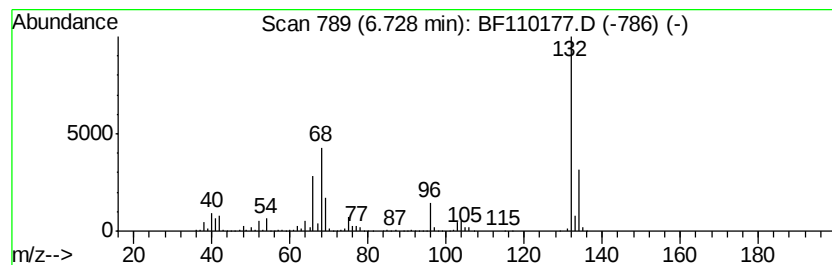
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	67.83 ng	3183170	1,4-Dichlorobenzene-d4	6.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tranvlcvpromine-propionyl	189	C12H15NO	1000123-86-3	10
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
3		Bicvclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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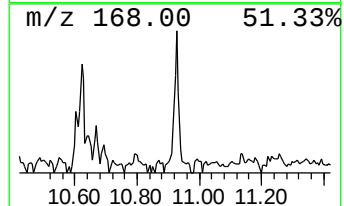
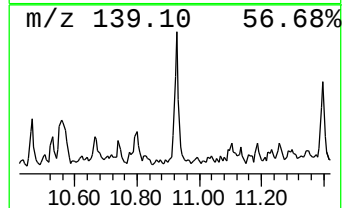
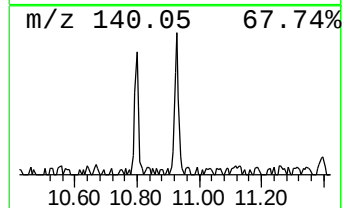
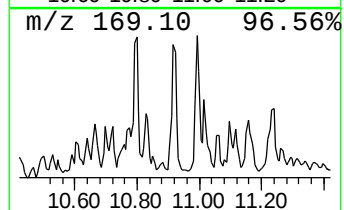
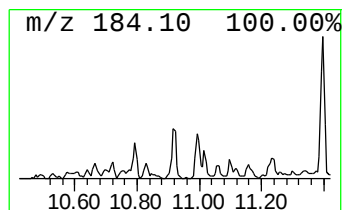
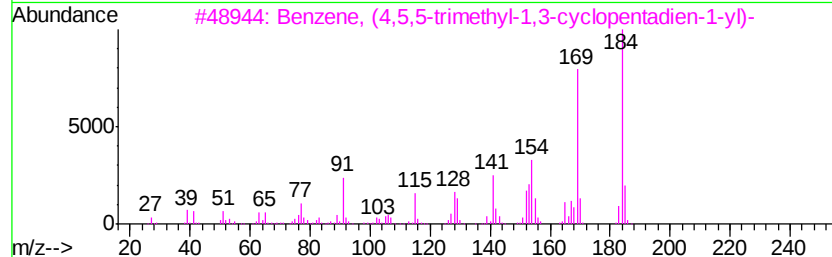
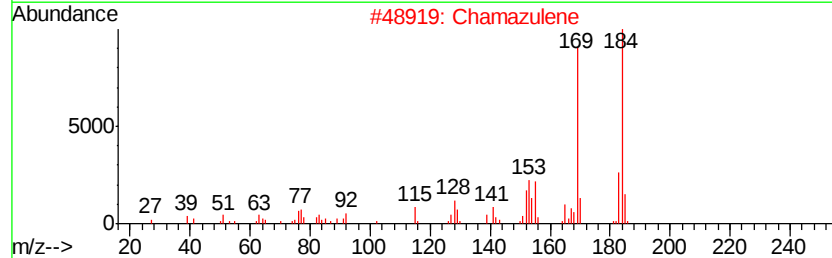
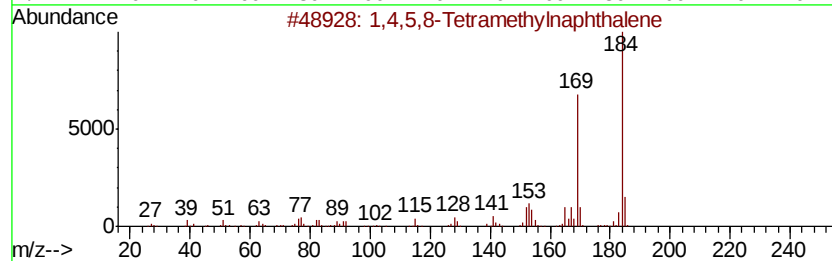
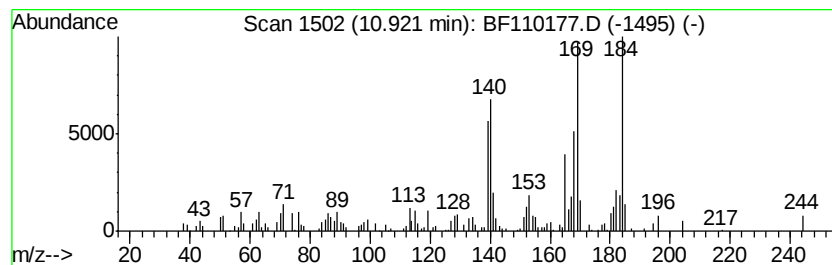
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TIC Integration Parameters: LSCINT.P

Peak Number 4 1,4,5,8-Tetramethylnaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	5.00 ng	219542	Phenanthrene-d10	11.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	76
2			Chamazulene	184	C14H16	000529-05-5	68
3			Benzene, (4,5,5-trimethyl-1,3-cv...	184	C14H16	033930-85-7	64
4			1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	62
5			Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	58



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Data File : BF110177.D
Acq On : 25 Oct 2018 22:57
Operator : JU/SJ
Sample : J5625-13
Misc :
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Instrument :
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ClientSampleId :
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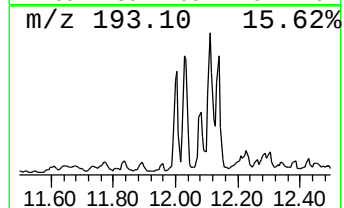
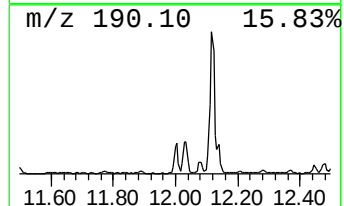
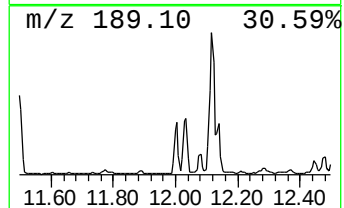
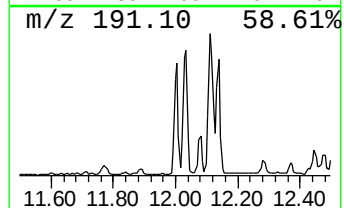
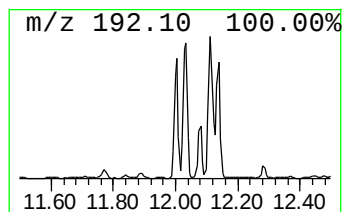
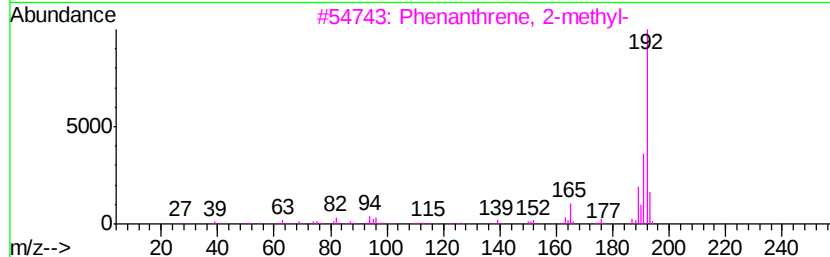
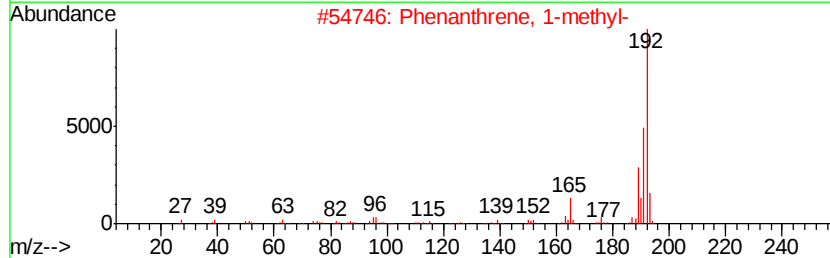
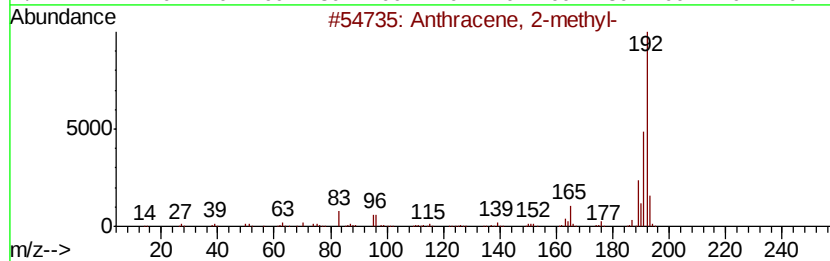
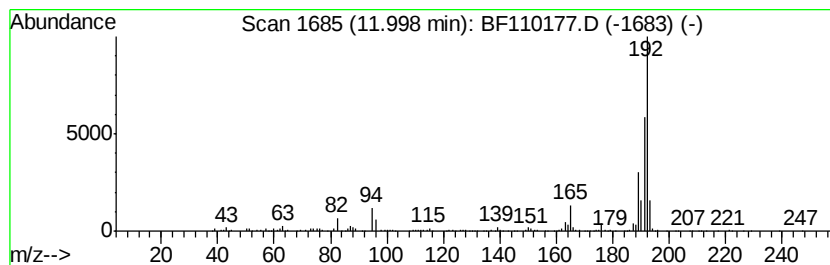
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	10.56 ng	463069	Phenanthrene-d10	11.50

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110177.D
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ClientSampleId :
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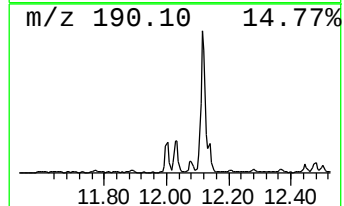
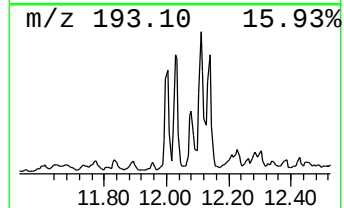
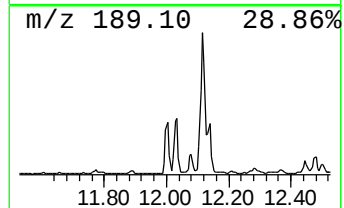
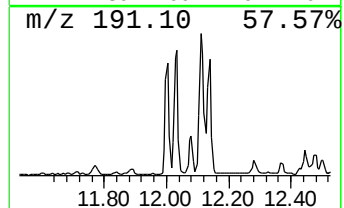
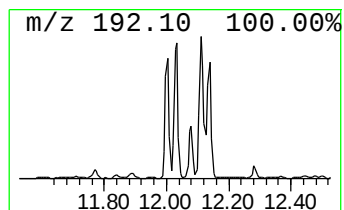
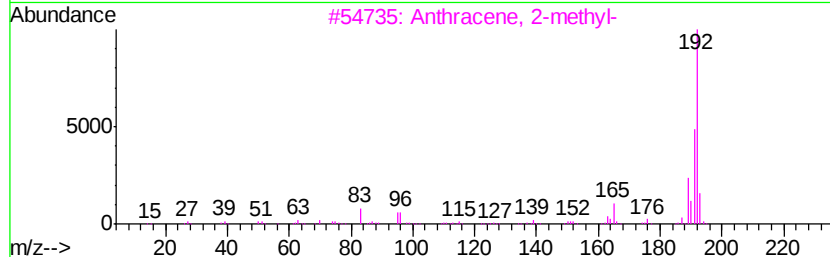
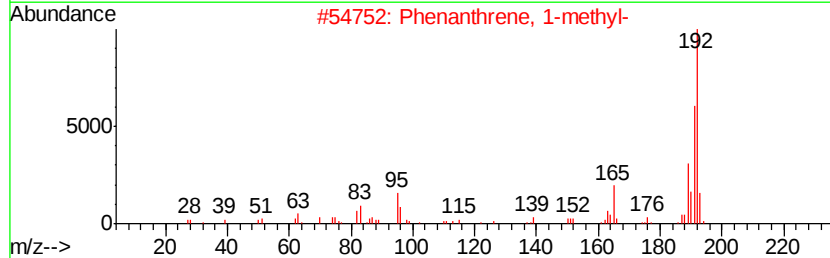
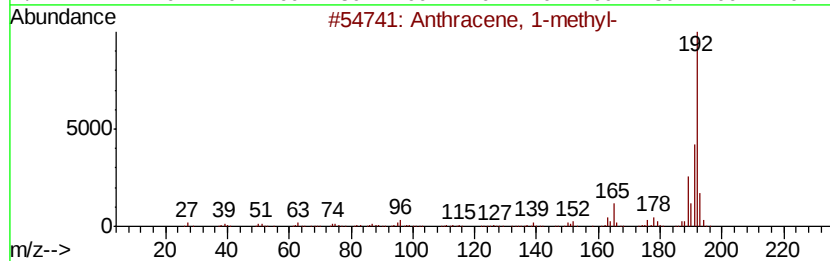
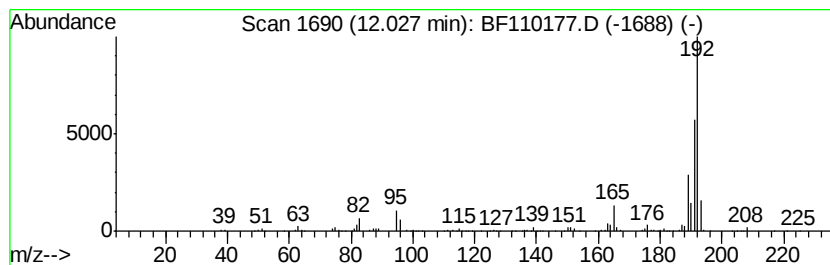
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	10.39 ng	455816	Phenanthrene-d10	11.50

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
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Sample : J5625-13
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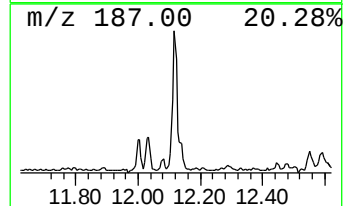
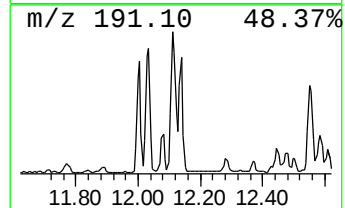
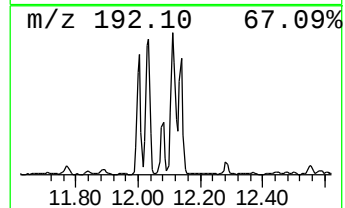
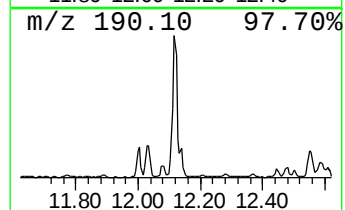
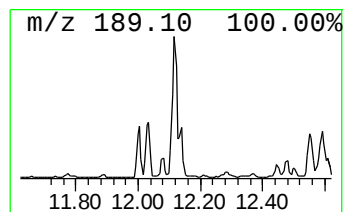
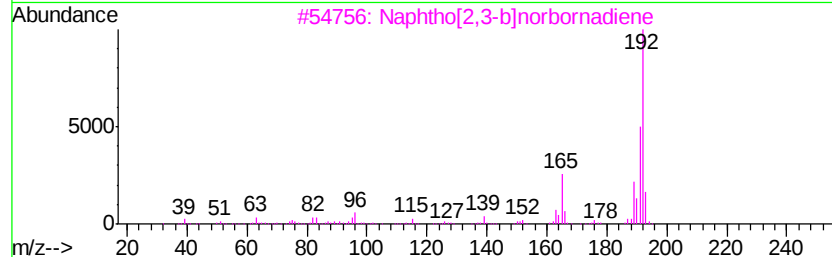
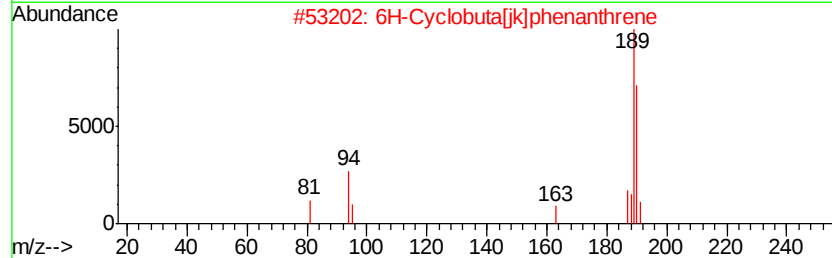
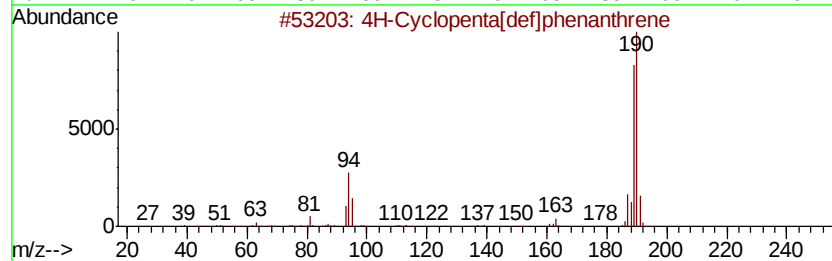
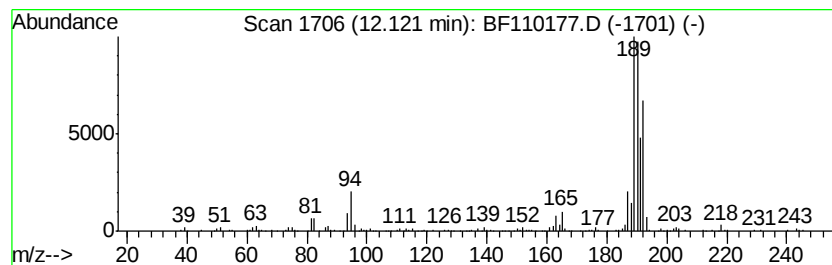
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	17.66 ng	774878	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	42
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5		1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	42



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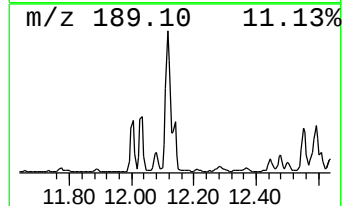
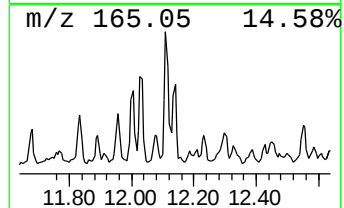
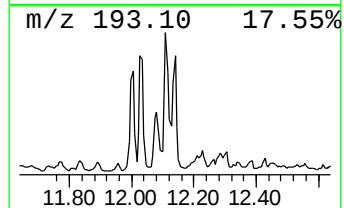
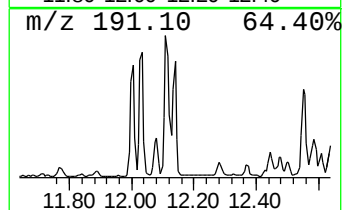
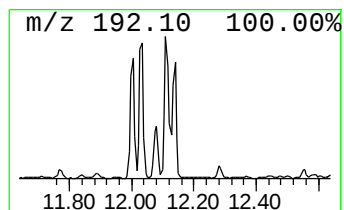
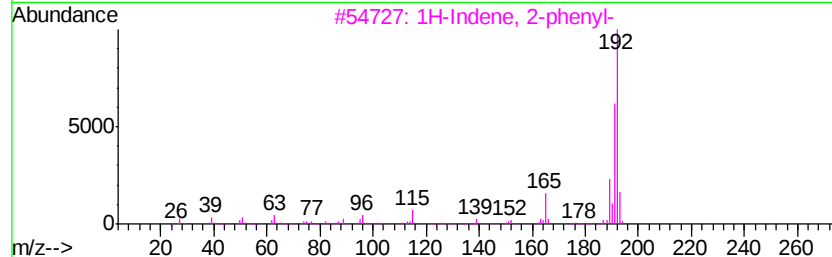
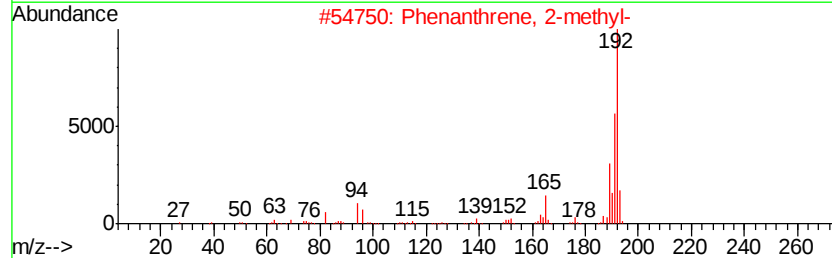
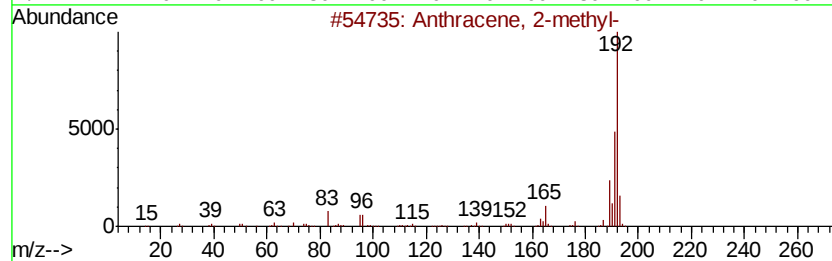
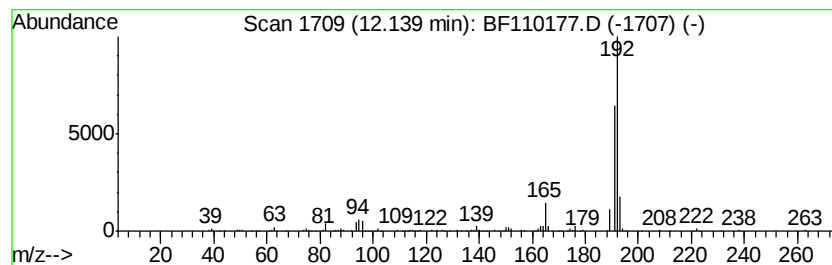
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	7.15 ng	313681	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
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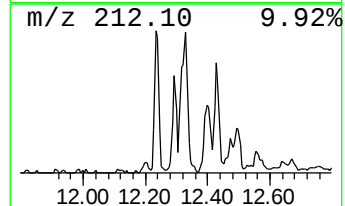
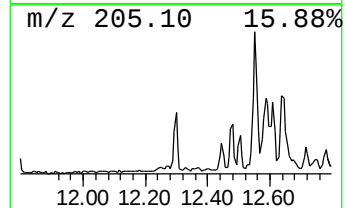
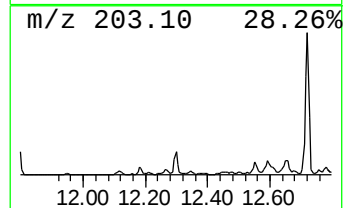
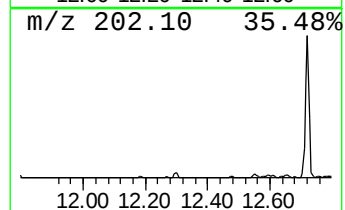
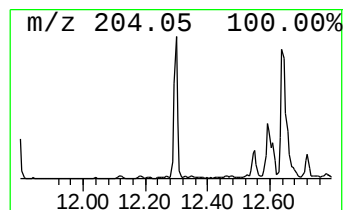
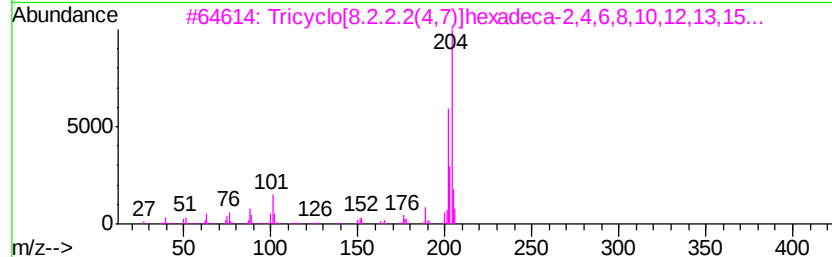
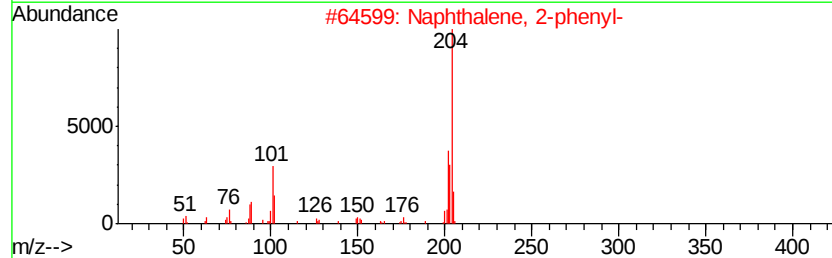
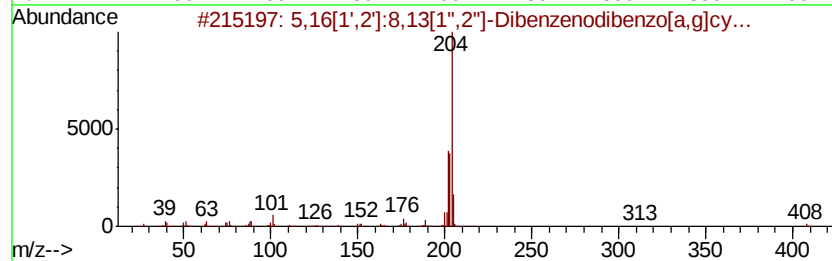
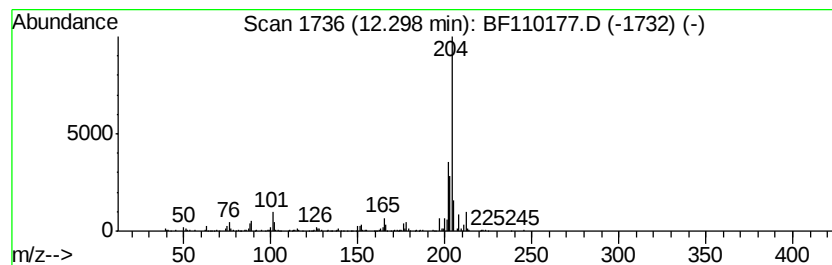
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	6.70 ng	294070	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
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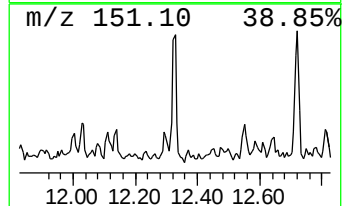
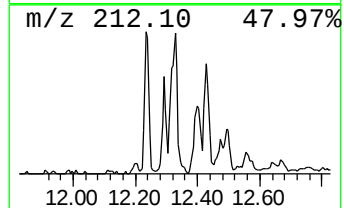
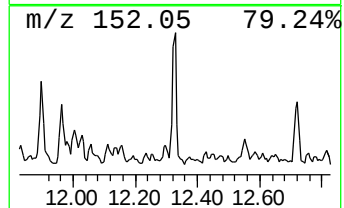
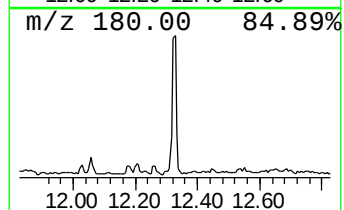
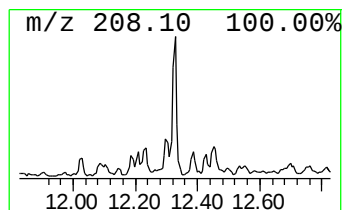
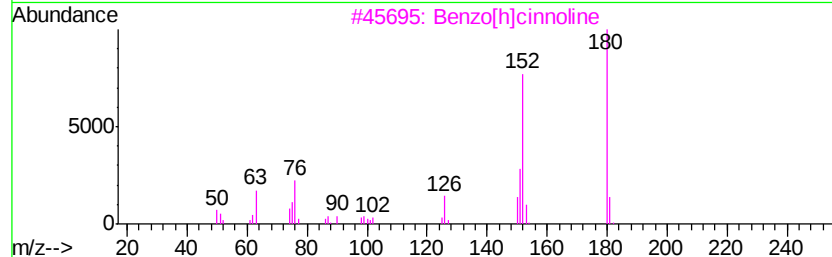
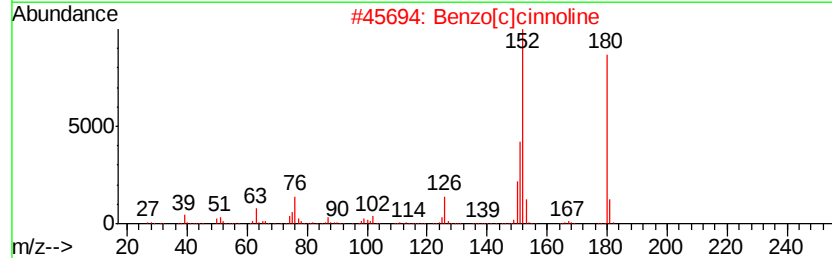
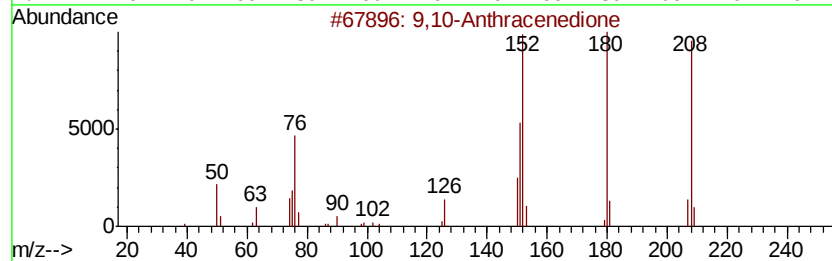
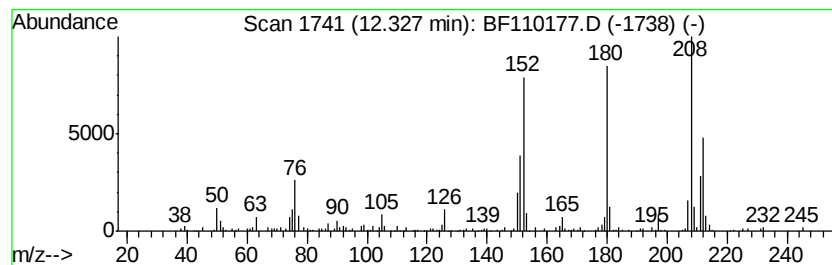
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	5.22 ng	228935	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50
4		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	49
5		9H-Fluoren-9-one	180	C13H8O	000486-25-9	49



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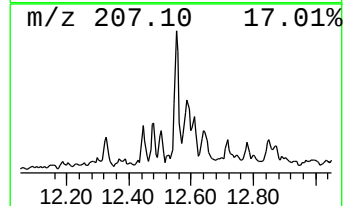
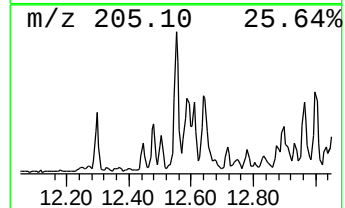
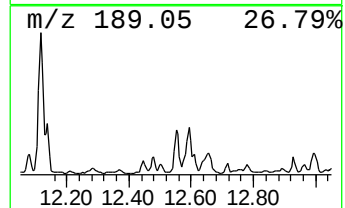
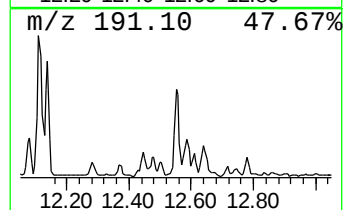
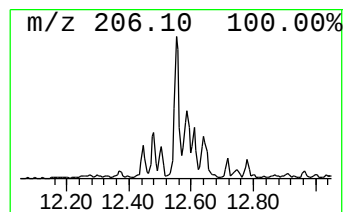
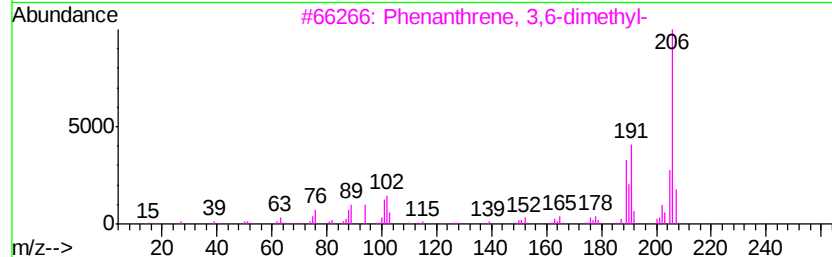
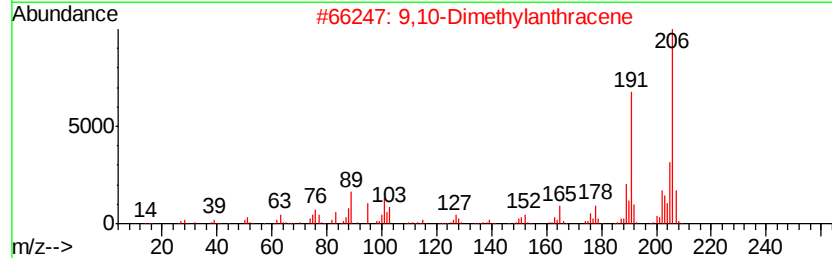
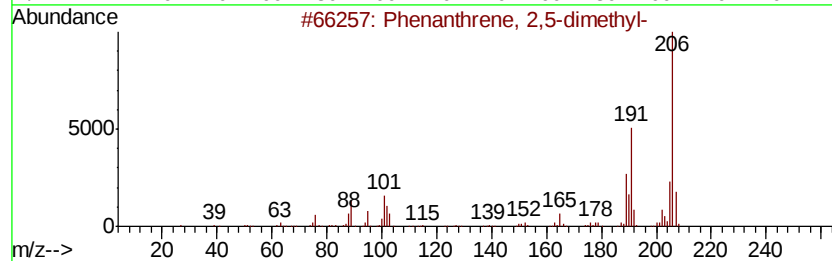
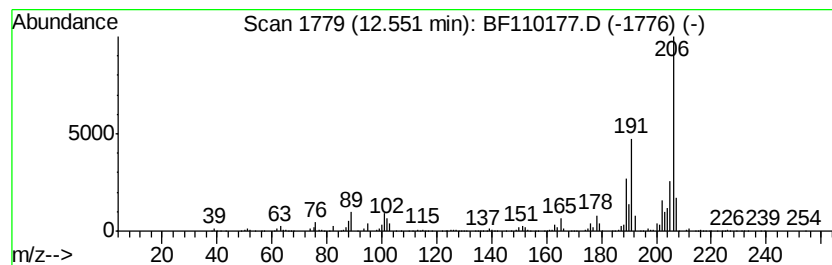
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	12.25 ng	537163	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110177.D
Acq On : 25 Oct 2018 22:57
Operator : JU/SJ
Sample : J5625-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

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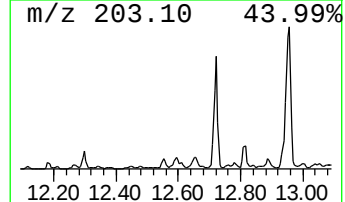
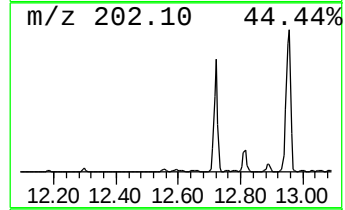
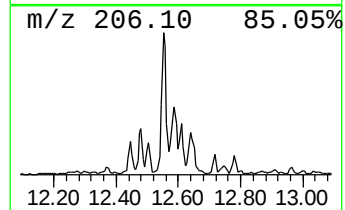
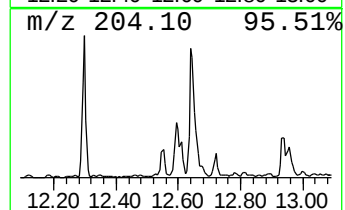
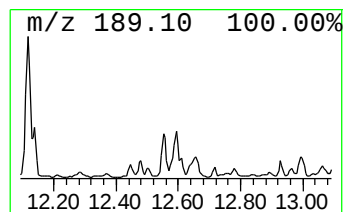
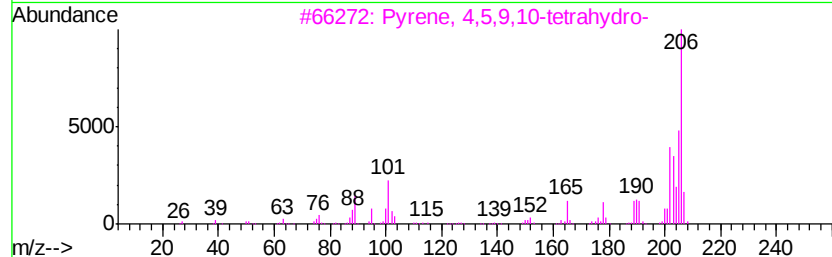
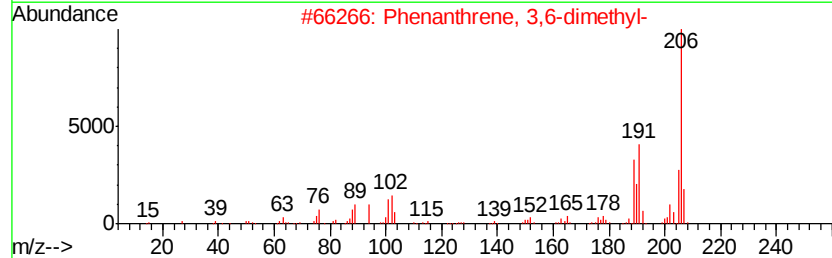
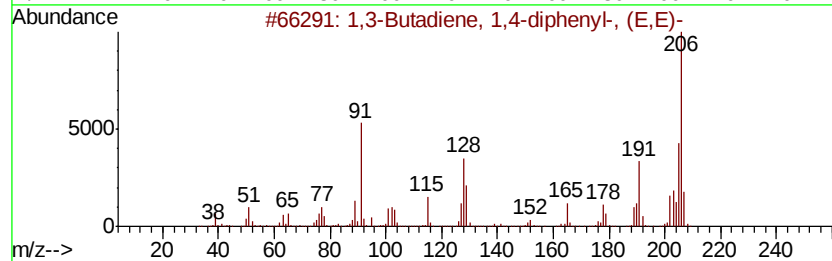
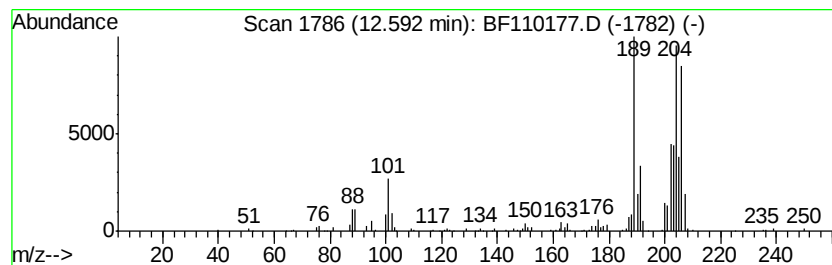
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown12.59 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	7.29 ng	319831	Phenanthrene-d10	11.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	42
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3			Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5			Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
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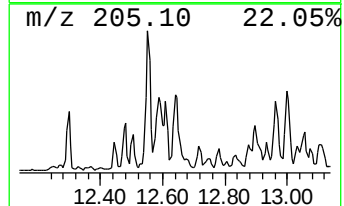
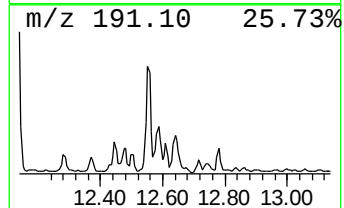
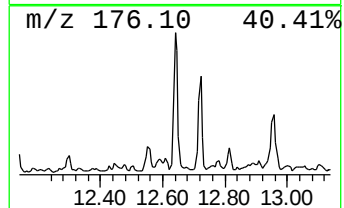
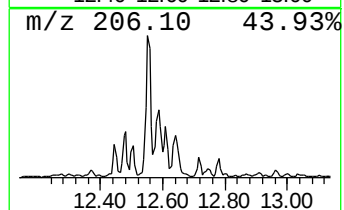
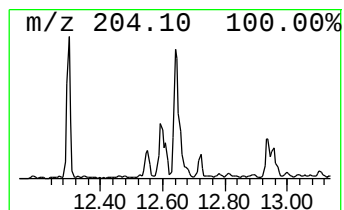
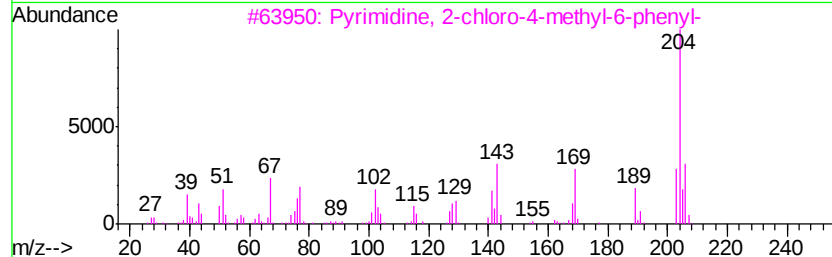
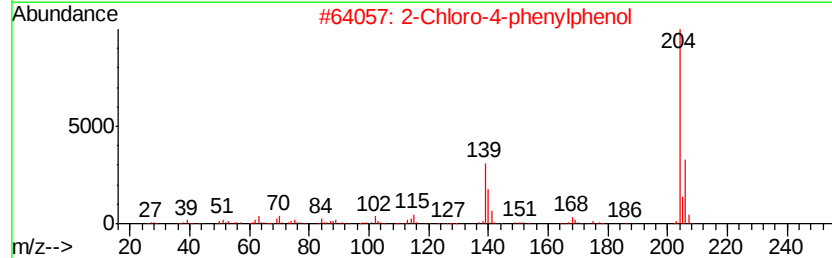
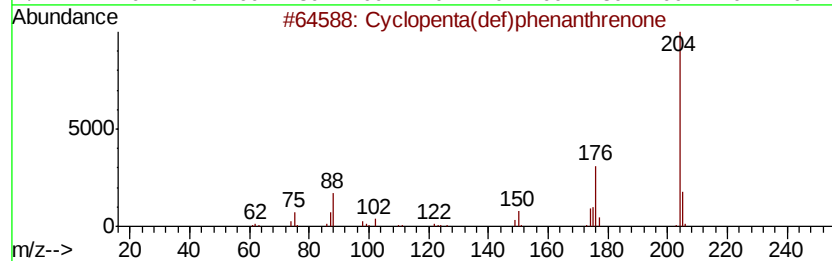
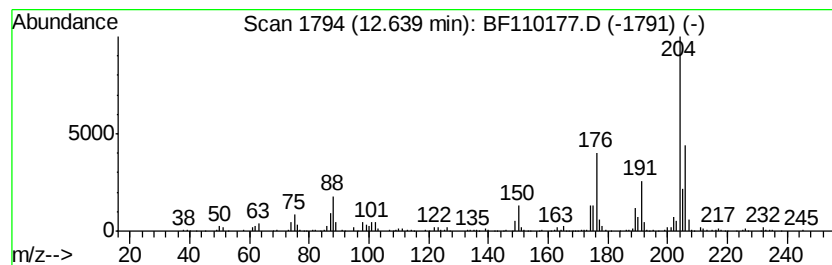
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	9.54 ng	418423	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
3		Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	43
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43



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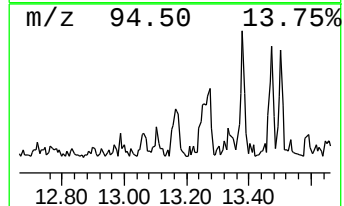
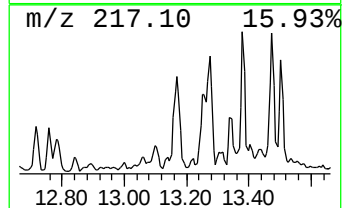
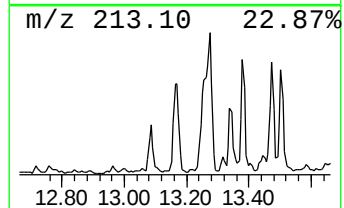
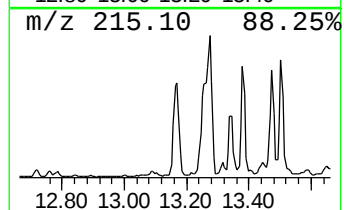
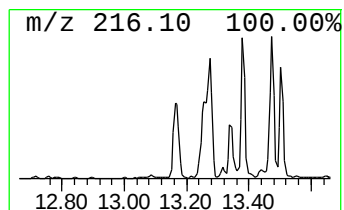
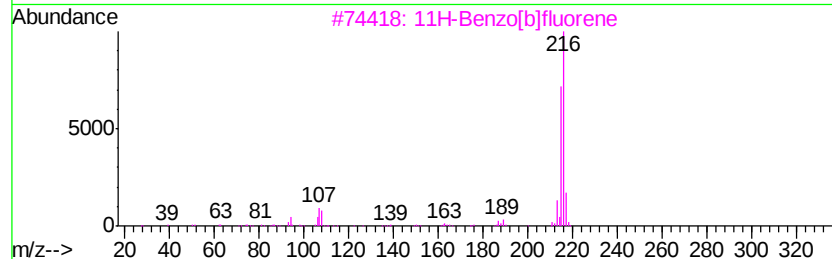
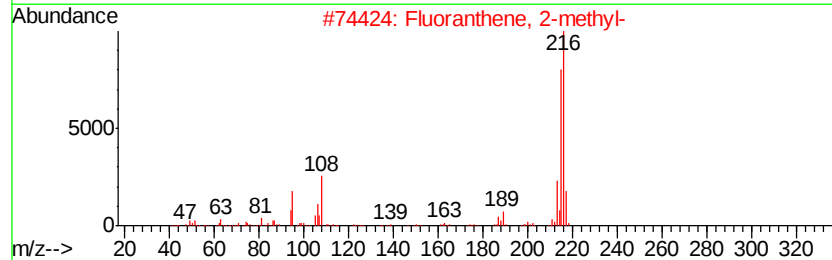
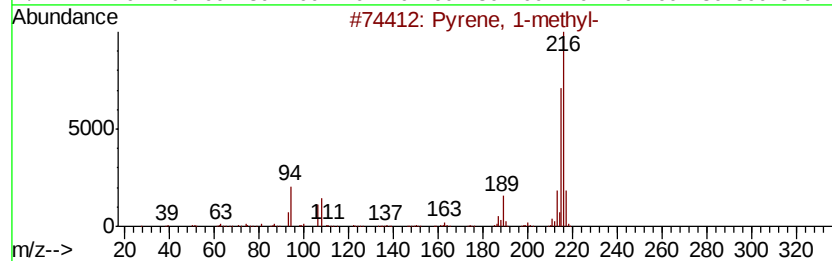
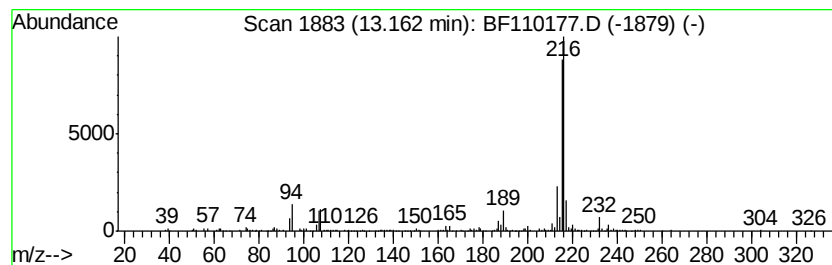
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	4.95 ng	561742	Chrysene-d12	14.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86



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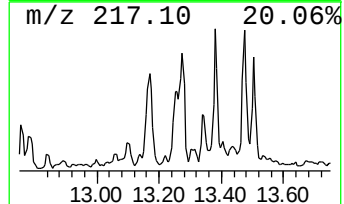
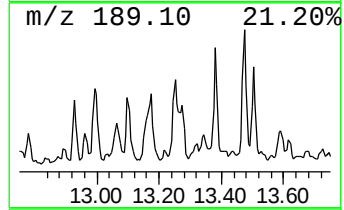
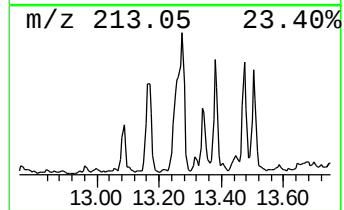
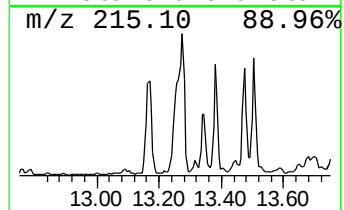
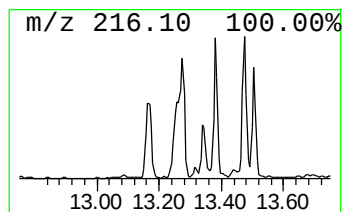
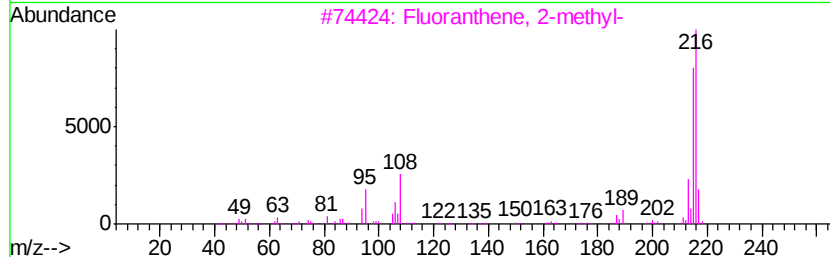
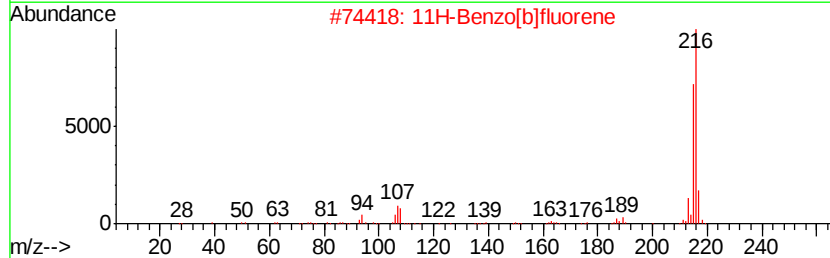
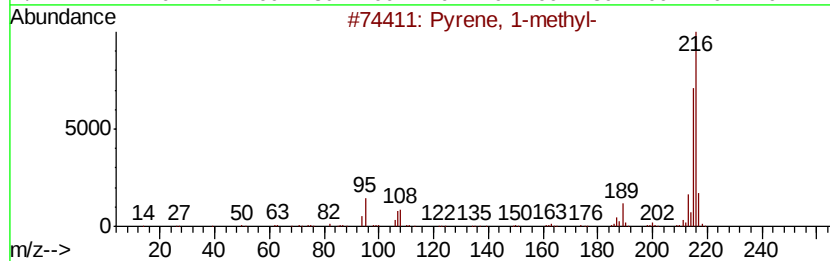
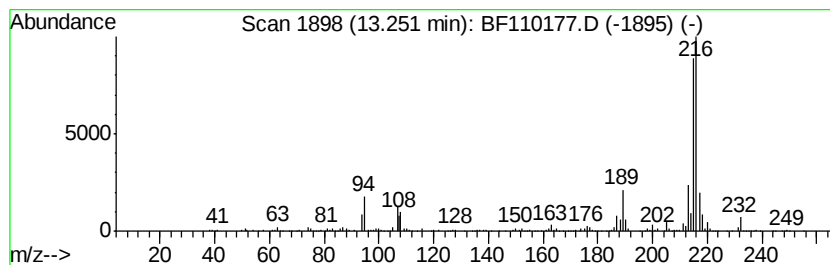
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	3.96 ng	449418	Chrysene-d12	14.15

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	70



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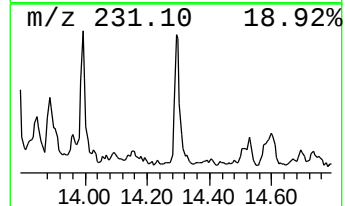
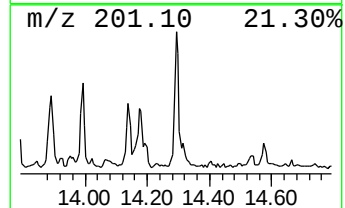
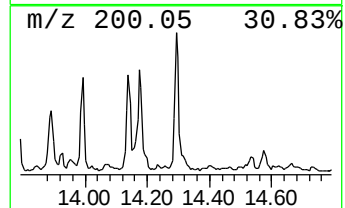
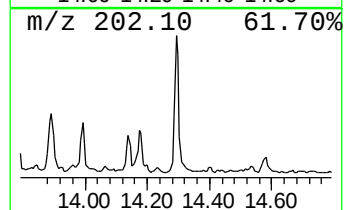
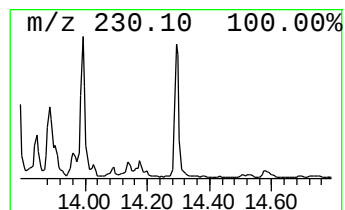
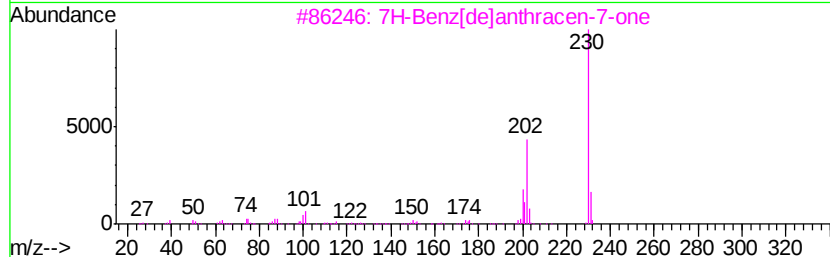
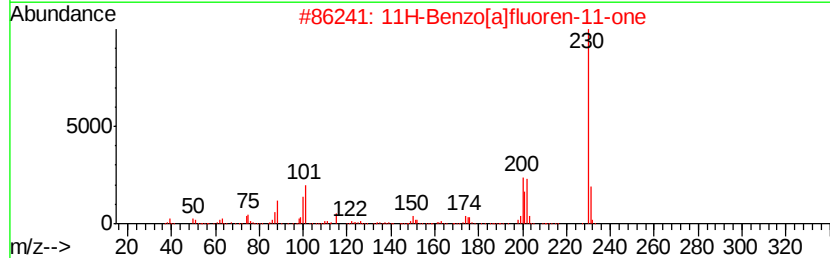
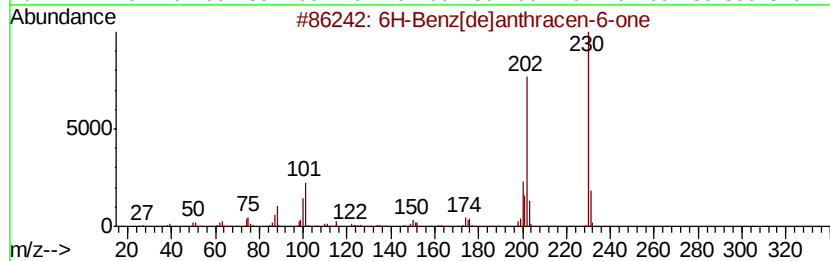
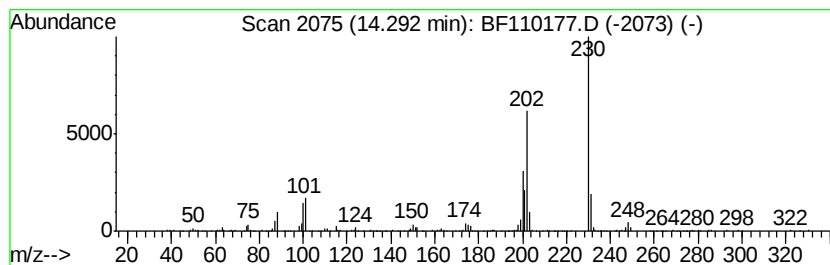
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 6H-Benz[de]anthracen-6-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.29	4.48 ng	508510	Chrysene-d12	14.15		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	98	
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96	
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93	
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	76	
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	76	



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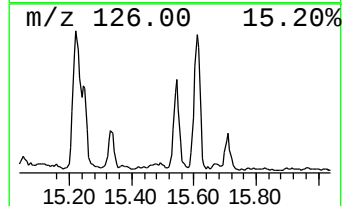
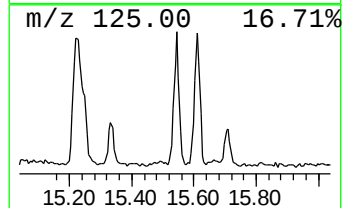
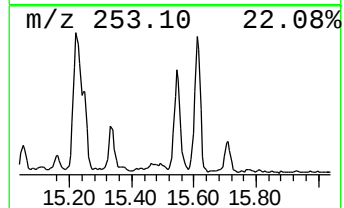
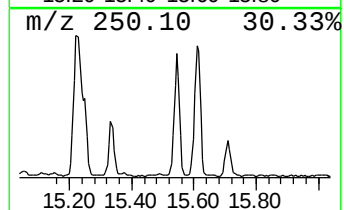
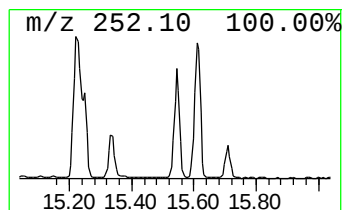
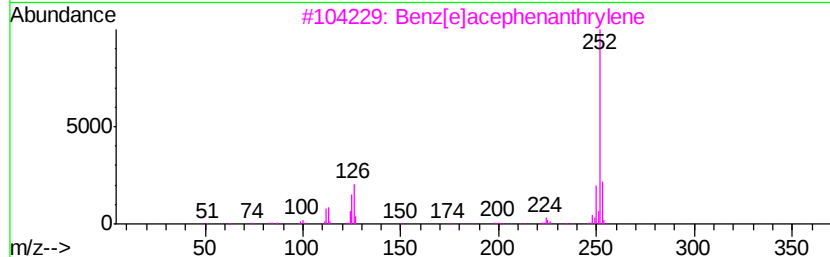
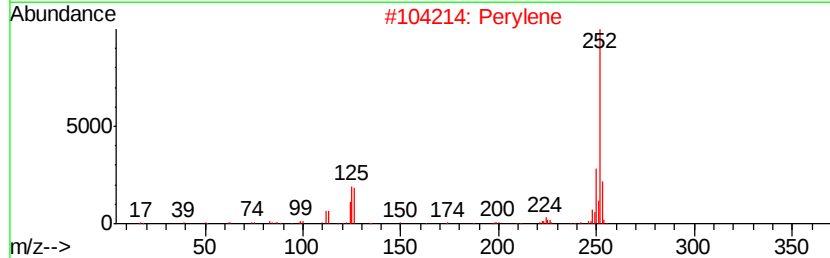
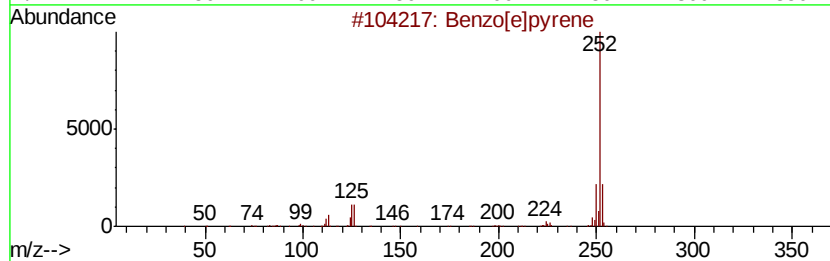
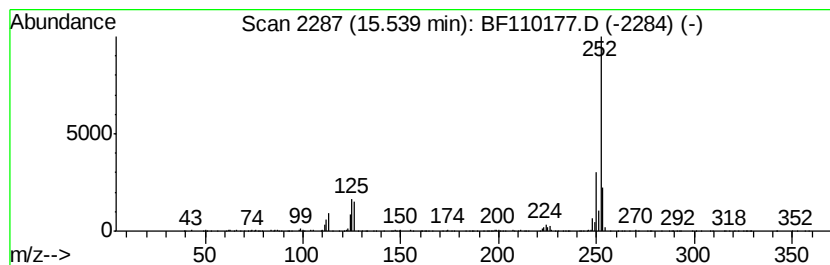
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	14.44 ng	580793	Perylene-d12	15.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Benzo[a]pyrene	252	C20H12	000050-32-8	94
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



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ClientSampleId :
DW-07

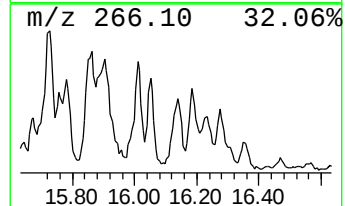
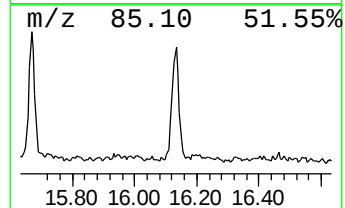
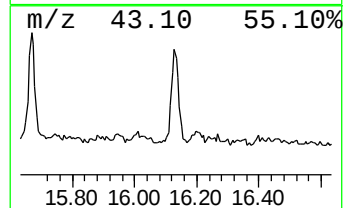
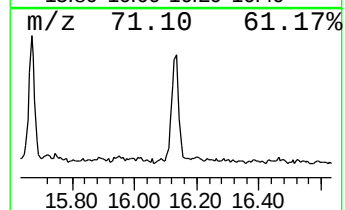
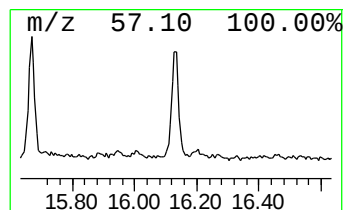
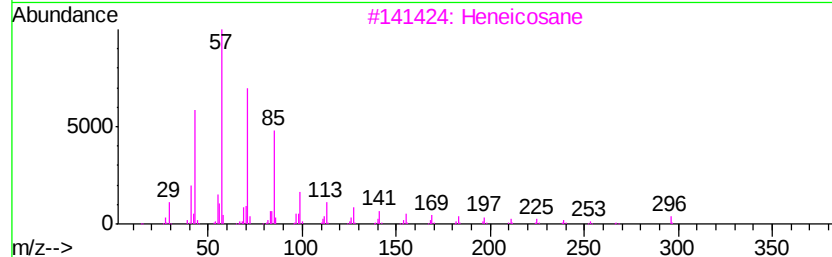
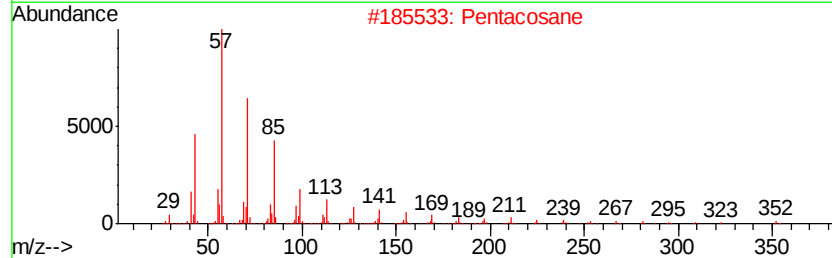
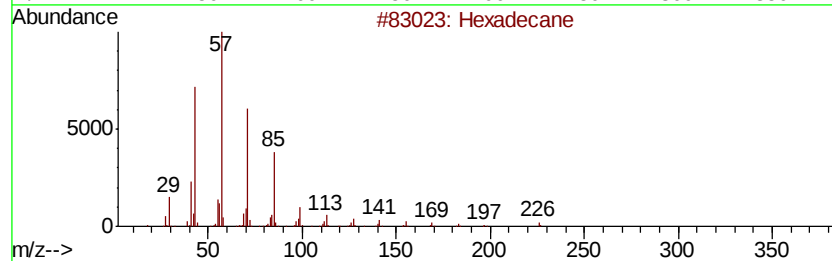
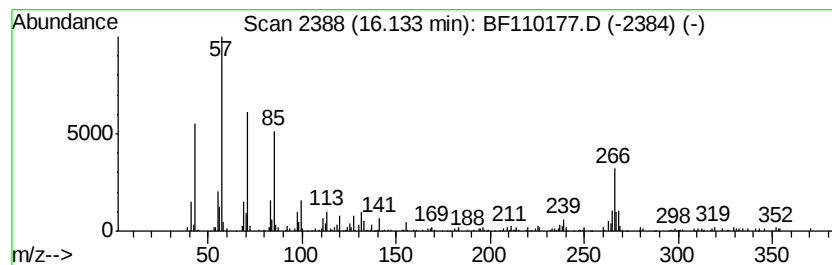
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Hexadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	6.00 ng	241464	Perylene-d12	15.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	95
2		Pentacosane	352	C25H52	000629-99-2	84
3		Heneicosane	296	C21H44	000629-94-7	70
4		Nonadecane	268	C19H40	000629-92-5	64
5		Docosane	310	C22H46	000629-97-0	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102518\
 Data File : BF110177.D
 Acq On : 25 Oct 2018 22:57
 Operator : JU/SJ
 Sample : J5625-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-07

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	2.31	11.4	ng	534116	1	6.96	938594	20.0
unknown6.73	6.73	67.8	ng	3183170	1	6.96	938594	20.0
1,4,5,8-Tetrameth...	10.92	5.0	ng	219542	4	11.50	877319	20.0
Anthracene, 2-met...	12.00	10.6	ng	463069	4	11.50	877319	20.0
Anthracene, 1-met...	12.03	10.4	ng	455816	4	11.50	877319	20.0
4H-Cyclopenta[def...	12.12	17.7	ng	774878	4	11.50	877319	20.0
Phenanthrene, 2-m...	12.14	7.2	ng	313681	4	11.50	877319	20.0
5,16[1',2']:8,13[...	12.30	6.7	ng	294070	4	11.50	877319	20.0
9,10-Anthracenedione	12.33	5.2	ng	228935	4	11.50	877319	20.0
Phenanthrene, 2,5...	12.55	12.3	ng	537163	4	11.50	877319	20.0
unknown12.59	12.59	7.3	ng	319831	4	11.50	877319	20.0
Cyclopenta(def)ph...	12.64	9.5	ng	418423	4	11.50	877319	20.0
Pyrene, 1-methyl-	13.16	5.0	ng	561742	5	14.15	2270860	20.0
11H-Benzo[b]fluorene	13.25	4.0	ng	449418	5	14.15	2270860	20.0
6H-Benz[de]anthra...	14.29	4.5	ng	508510	5	14.15	2270860	20.0
Benzo[e]pyrene	15.54	14.4	ng	580793	6	15.67	804346	20.0
Hexadecane	16.13	6.0	ng	241464	6	15.67	804346	20.0