

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113136.D
 Acq On : 19 Mar 2019 20:11
 Operator : JU/SJ
 Sample : K1692-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-031819

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-BF022719.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	5.334	548	552	565	rBV	704266	721512	50.96%	3.290%
2	6.363	723	727	737	rBV	841174	791352	55.89%	3.608%
3	6.492	745	749	757	rBV	925198	811637	57.33%	3.700%
4	6.722	784	788	795	rBV	1244368	1038435	73.34%	4.734%
5	6.875	811	814	824	rVB	714805	618807	43.71%	2.821%
6	7.281	877	883	891	rBV	468436	469911	33.19%	2.142%
7	8.004	1002	1006	1014	rBV	1441537	1283727	90.67%	5.853%
8	8.722	1123	1128	1137	rVB	26322	28894	2.04%	0.132%
9	8.816	1140	1144	1149	rBV	33384	34851	2.46%	0.159%
10	9.080	1185	1189	1200	rBV	908532	868016	61.31%	3.958%
11	9.169	1200	1204	1209	rBV3	17852	27398	1.94%	0.125%
12	9.345	1228	1234	1238	rBV2	25057	36890	2.61%	0.168%
13	9.416	1243	1246	1249	rVV	55229	56232	3.97%	0.256%
14	9.445	1249	1251	1253	rVV	31139	28072	1.98%	0.128%
15	9.475	1253	1256	1262	rVV2	69666	98606	6.96%	0.450%
16	9.533	1263	1266	1272	rVB	27092	36575	2.58%	0.167%
17	9.616	1276	1280	1284	rBV	146427	127859	9.03%	0.583%
18	9.669	1285	1289	1292	rVV4	19281	26942	1.90%	0.123%
19	9.698	1292	1294	1298	rVB3	25285	22076	1.56%	0.101%
20	9.757	1298	1304	1307	rBV	1424039	1301622	91.93%	5.934%
21	9.786	1307	1309	1313	rVB	95793	79784	5.64%	0.364%
22	9.863	1319	1322	1327	rBV3	17169	21478	1.52%	0.098%
23	9.957	1335	1338	1343	rVB	52319	53723	3.79%	0.245%
24	9.998	1343	1345	1348	rBV	31189	24622	1.74%	0.112%
25	10.074	1353	1358	1360	rBV2	41043	49892	3.52%	0.227%
26	10.163	1368	1373	1375	rBV4	26489	40066	2.83%	0.183%
27	10.204	1377	1380	1384	rVB2	33282	44024	3.11%	0.201%
28	10.251	1384	1388	1390	rBV3	17731	24132	1.70%	0.110%
29	10.298	1394	1396	1403	rVB2	95970	108142	7.64%	0.493%
30	10.363	1403	1407	1409	rBV3	24988	31409	2.22%	0.143%
31	10.416	1412	1416	1420	rVB4	33169	36208	2.56%	0.165%
32	10.457	1420	1423	1426	rBV2	22922	26732	1.89%	0.122%
33	10.539	1433	1437	1442	rBV	494599	452604	31.97%	2.064%
34	10.669	1455	1459	1466	rVB2	74891	94864	6.70%	0.433%

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35	10.745	1469	1472	1474	rBV	23958	27051	1.91%	0.123%
36	10.845	1485	1489	1492	rBV3	39505	56846	4.01%	0.259%
37	10.874	1492	1494	1497	rVV2	38803	33756	2.38%	0.154%
38	10.927	1501	1503	1506	rVB2	31592	28771	2.03%	0.131%
39	10.998	1513	1515	1518	rVB3	26827	21699	1.53%	0.099%
40	11.039	1520	1522	1527	rVB3	36337	37327	2.64%	0.170%
41	11.086	1527	1530	1533	rBV3	20945	23670	1.67%	0.108%
42	11.116	1533	1535	1536	rBV	30990	28453	2.01%	0.130%
43	11.127	1536	1537	1544	rVB2	57556	64681	4.57%	0.295%
44	11.233	1551	1555	1557	rBV	1316084	1099562	77.66%	5.013%
45	11.257	1557	1559	1563	rVV	641343	498936	35.24%	2.275%
46	11.310	1565	1568	1571	rVB	154732	135462	9.57%	0.618%
47	11.345	1571	1574	1578	rBV3	47542	57636	4.07%	0.263%
48	11.463	1589	1594	1597	rBV	53794	76583	5.41%	0.349%
49	11.533	1603	1606	1609	rVV2	33970	32635	2.30%	0.149%
50	11.563	1609	1611	1617	rVB	59896	53413	3.77%	0.244%
51	11.651	1623	1626	1630	rVB	33608	39221	2.77%	0.179%
52	11.692	1630	1633	1636	rBV3	17676	25854	1.83%	0.118%
53	11.733	1637	1640	1643	rVV	154971	160279	11.32%	0.731%
54	11.763	1643	1645	1650	rVV2	255659	262533	18.54%	1.197%
55	11.810	1650	1653	1655	rVV	85511	76197	5.38%	0.347%
56	11.845	1655	1659	1661	rVV	263393	282088	19.92%	1.286%
57	11.868	1661	1663	1669	rVB	151377	135963	9.60%	0.620%
58	11.921	1669	1672	1673	rBV2	28813	29184	2.06%	0.133%
59	11.945	1673	1676	1678	rVV3	38979	35339	2.50%	0.161%
60	11.968	1678	1680	1683	rVB	49179	37255	2.63%	0.170%
61	12.027	1687	1690	1692	rVV	95768	88179	6.23%	0.402%
62	12.051	1692	1694	1701	rVB2	85188	115934	8.19%	0.529%
63	12.163	1710	1713	1714	rBV	45221	43059	3.04%	0.196%
64	12.180	1714	1716	1718	rVV	51902	46975	3.32%	0.214%
65	12.210	1718	1721	1723	rVV	74068	67858	4.79%	0.309%
66	12.233	1723	1725	1728	rVB2	67558	54631	3.86%	0.249%
67	12.286	1730	1734	1736	rBV	227249	234191	16.54%	1.068%
68	12.321	1736	1740	1742	rVV	123305	179833	12.70%	0.820%
69	12.368	1745	1748	1752	rBV4	97870	141874	10.02%	0.647%
70	12.439	1757	1760	1764	rVV	826680	767421	54.20%	3.499%
71	12.492	1766	1769	1770	rVV	67617	73367	5.18%	0.334%

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72	12.539	1774	1777	1781	rVV3	58172	110917	7.83%	0.506%
73	12.592	1784	1786	1790	rVV3	65042	94219	6.65%	0.430%
74	12.668	1794	1799	1802	rVV	986508	957711	67.64%	4.366%
75	12.692	1802	1803	1806	rVV2	88768	91989	6.50%	0.419%
76	12.733	1807	1810	1813	rVB2	86215	97549	6.89%	0.445%
77	12.786	1817	1819	1821	rVV	64188	70159	4.96%	0.320%
78	12.810	1821	1823	1831	rVB	709544	748144	52.84%	3.411%
79	12.886	1833	1836	1840	rVV3	135142	184480	13.03%	0.841%
80	12.945	1844	1846	1848	rVV2	64134	57182	4.04%	0.261%
81	12.974	1848	1851	1852	rVV3	119157	128958	9.11%	0.588%
82	12.998	1853	1855	1858	rVB	208344	173621	12.26%	0.792%
83	13.063	1863	1866	1869	rVV3	141621	135083	9.54%	0.616%
84	13.104	1869	1873	1880	rVV	179681	220840	15.60%	1.007%
85	13.192	1885	1888	1891	rVV	175099	157208	11.10%	0.717%
86	13.221	1891	1893	1897	rVV	167874	150196	10.61%	0.685%
87	13.398	1921	1923	1926	rBV2	66125	75738	5.35%	0.345%
88	13.504	1939	1941	1946	rVB	86019	100455	7.10%	0.458%
89	13.610	1956	1959	1962	rBV3	99340	136346	9.63%	0.622%
90	13.862	1997	2002	2005	rBV2	1194004	1415843	100.00%	6.455%
91	13.886	2005	2006	2014	rVB	366761	325127	22.96%	1.482%
92	14.251	2066	2068	2071	rVB2	145892	109426	7.73%	0.499%
93	14.286	2071	2074	2076	rBV	88935	74730	5.28%	0.341%
94	14.345	2081	2084	2086	rVB2	126354	102241	7.22%	0.466%
95	14.374	2087	2089	2091	rBV2	77738	69458	4.91%	0.317%
96	14.874	2171	2174	2182	rVV	190284	316049	22.32%	1.441%
97	14.957	2185	2188	2196	rVB2	182004	236106	16.68%	1.076%
98	15.156	2219	2222	2227	rVB	143157	166989	11.79%	0.761%
99	15.215	2229	2232	2237	rBV	166218	184970	13.06%	0.843%
100	15.274	2238	2242	2245	rBV	456888	550876	38.91%	2.512%

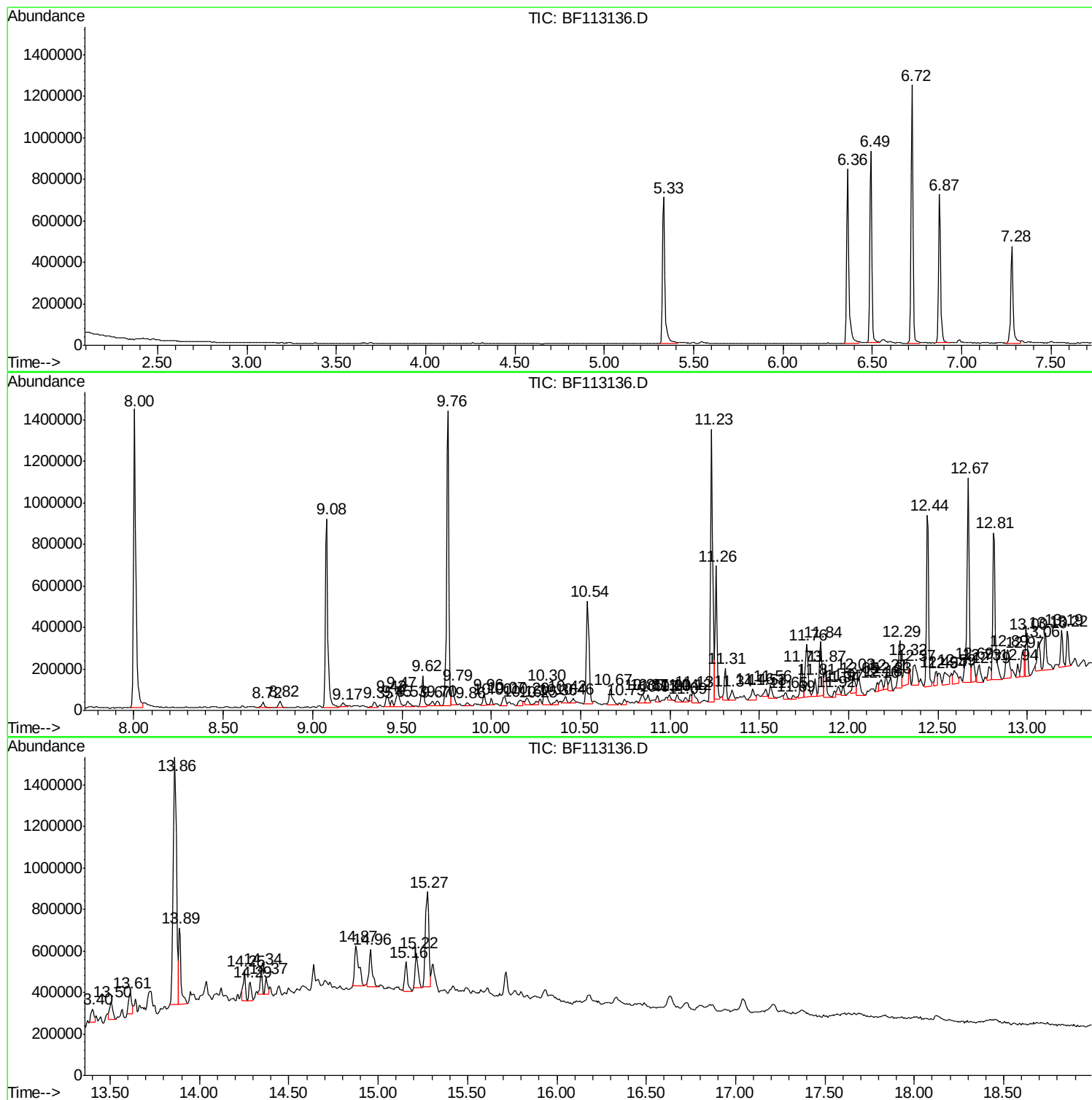
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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Instrument :
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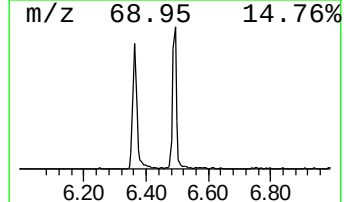
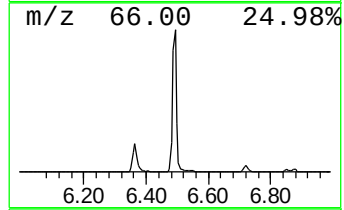
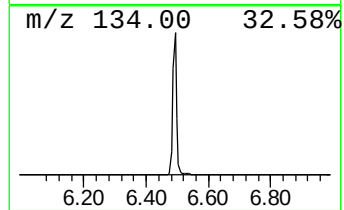
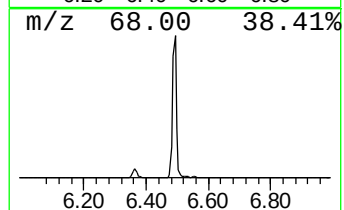
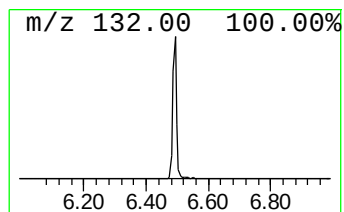
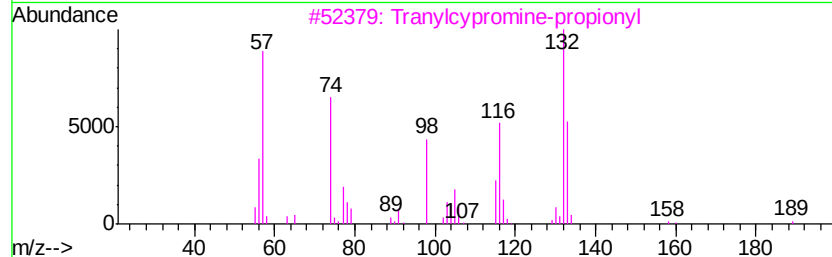
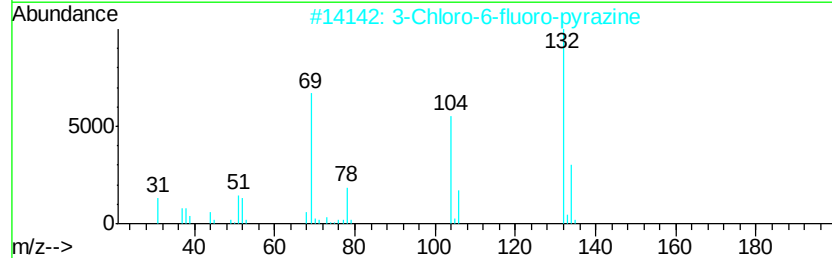
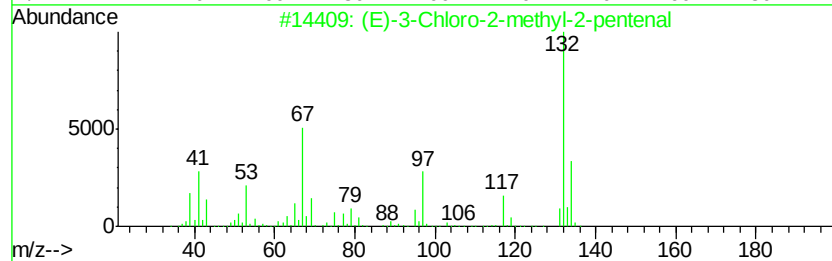
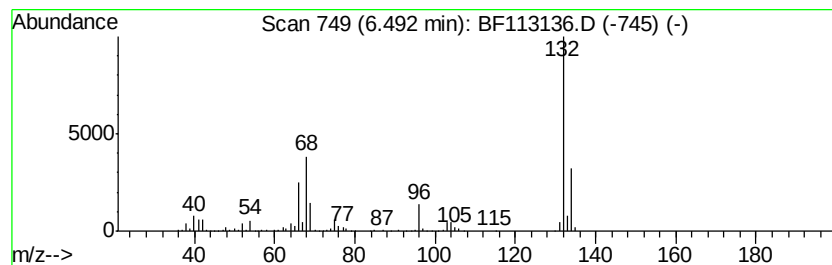
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	15.63 ng	811637	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4		Xenon	132	Xe	007440-63-3	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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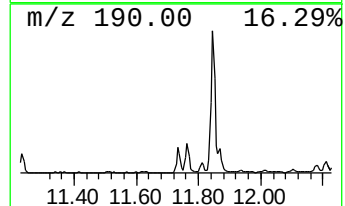
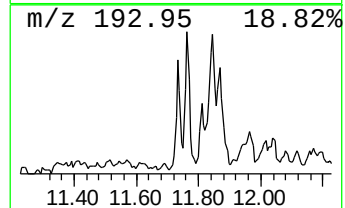
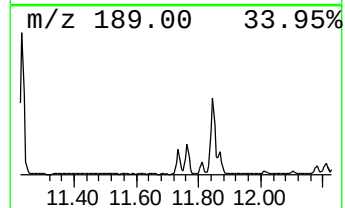
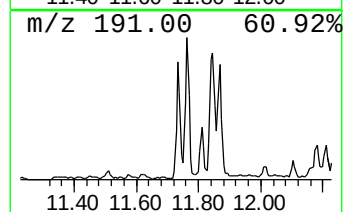
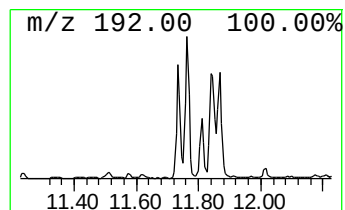
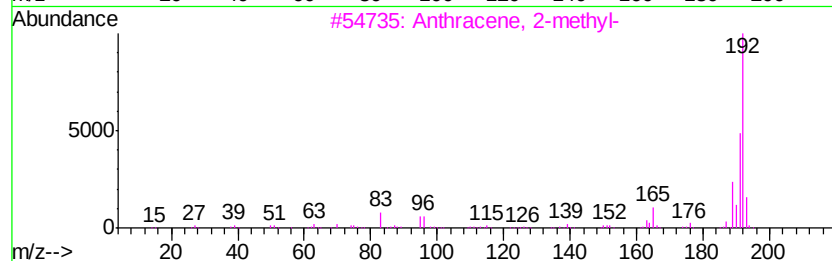
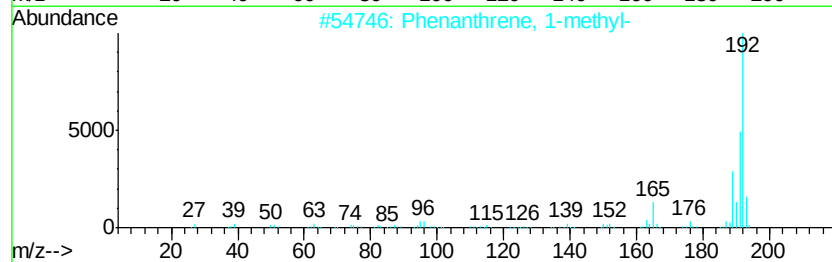
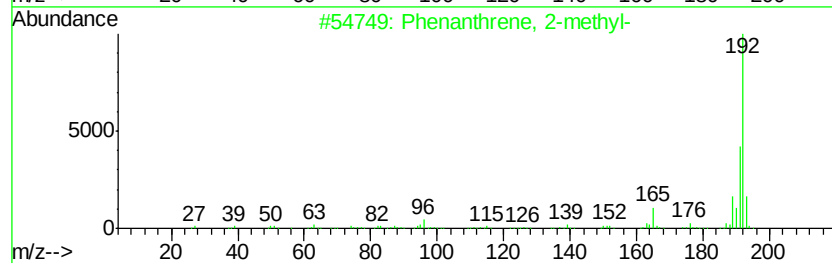
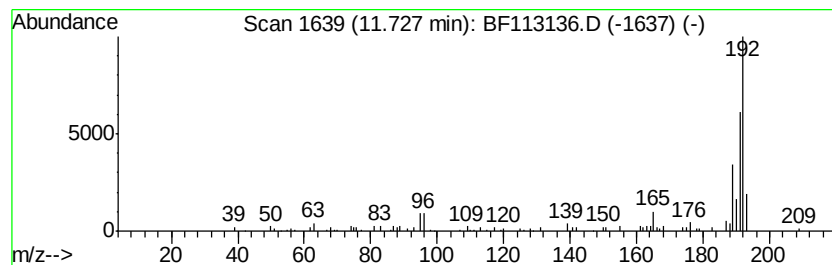
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.73	2.92 ng	160279	Phenanthrene-d10	11.23	
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	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



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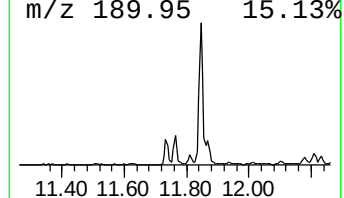
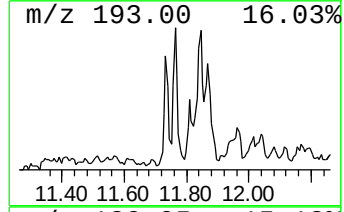
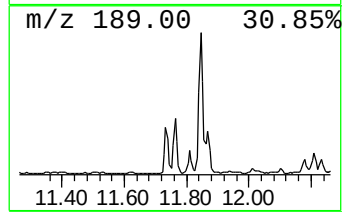
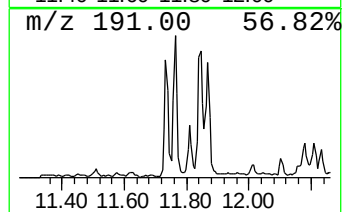
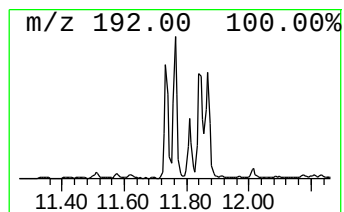
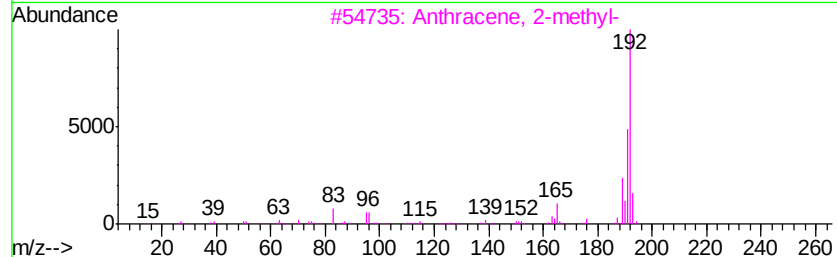
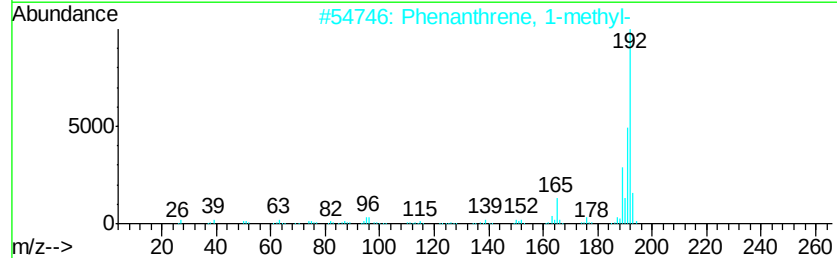
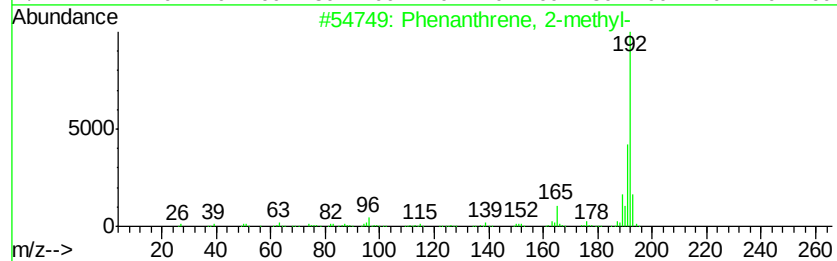
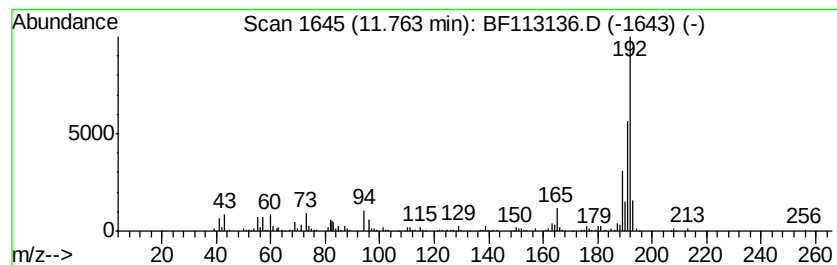
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Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.76	4.78 ng	262533	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113136.D
Acq On : 19 Mar 2019 20:11
Operator : JU/SJ
Sample : K1692-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

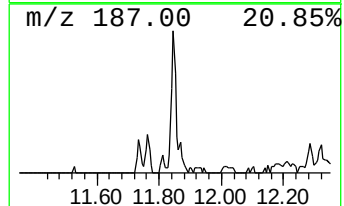
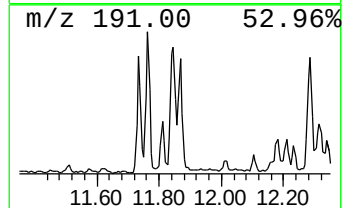
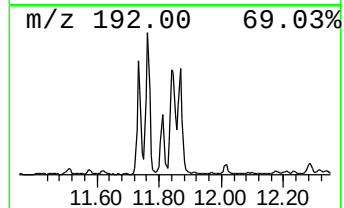
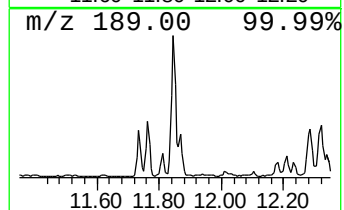
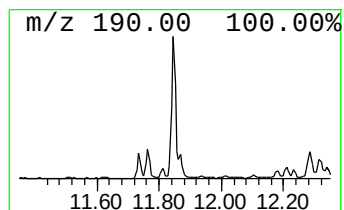
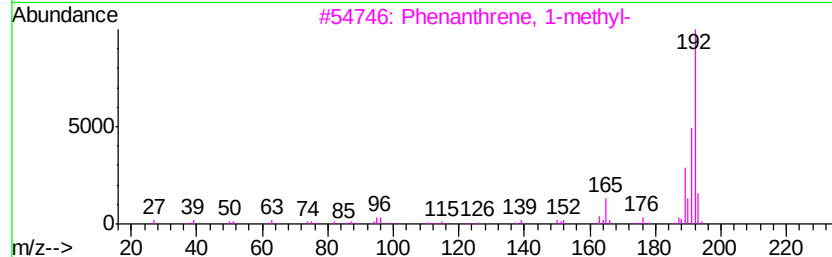
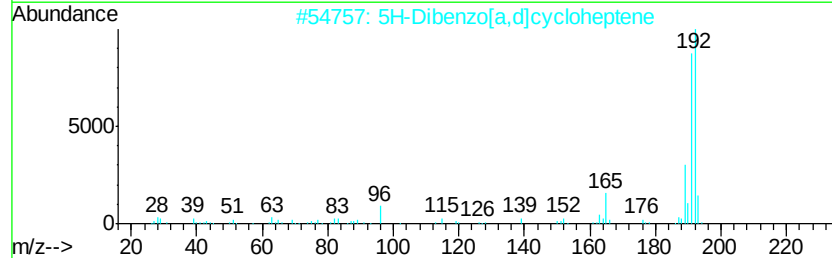
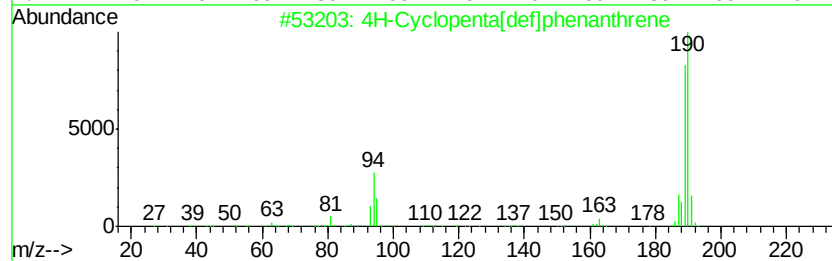
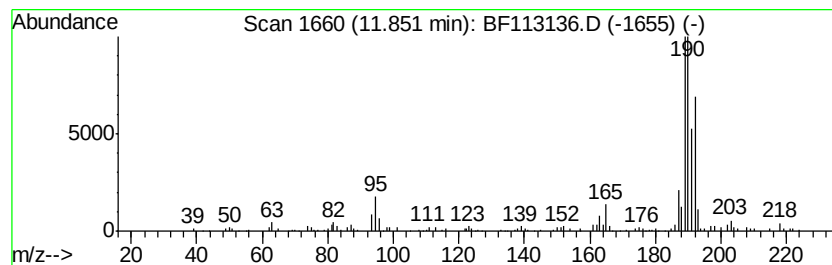
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ClientSampleId :
OK-02-031819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	5.13 ng	282088	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
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Operator : JU/SJ
Sample : K1692-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

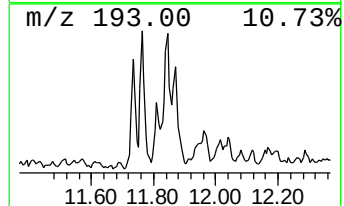
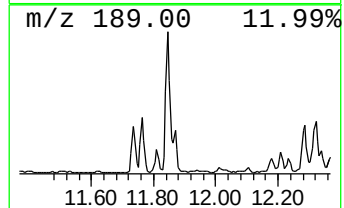
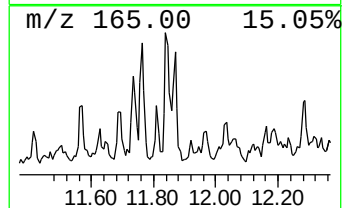
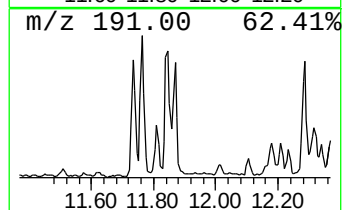
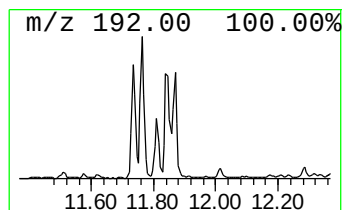
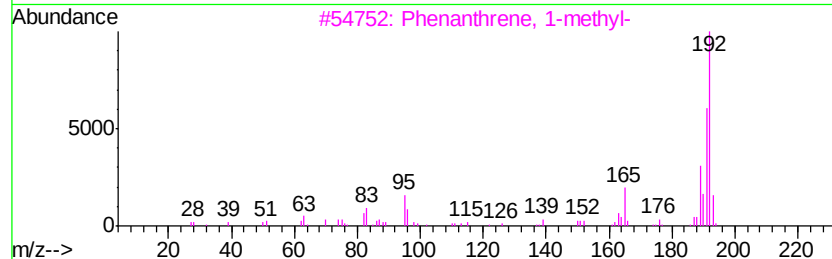
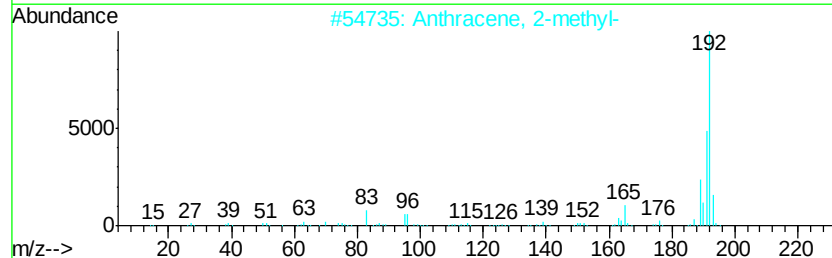
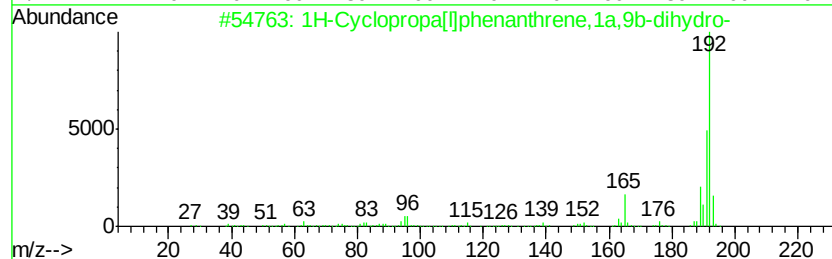
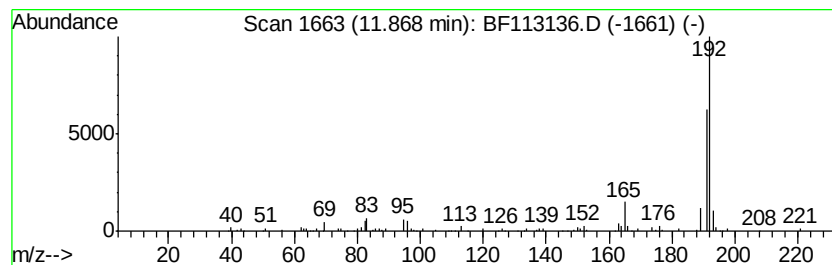
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ClientSampleId :
OK-02-031819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.87	2.47 ng	135963	Phenanthrene-d10	11.23		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
4		Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	83
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113136.D
Acq On : 19 Mar 2019 20:11
Operator : JU/SJ
Sample : K1692-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

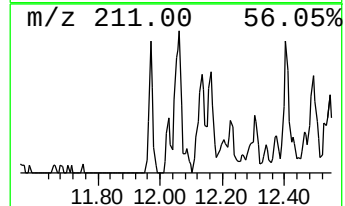
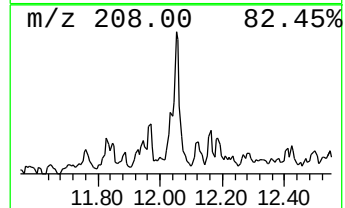
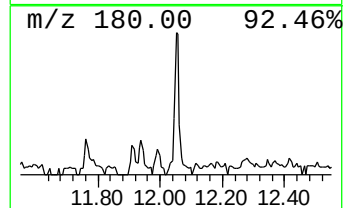
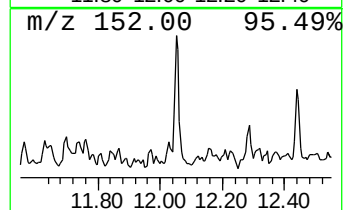
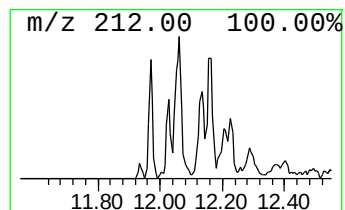
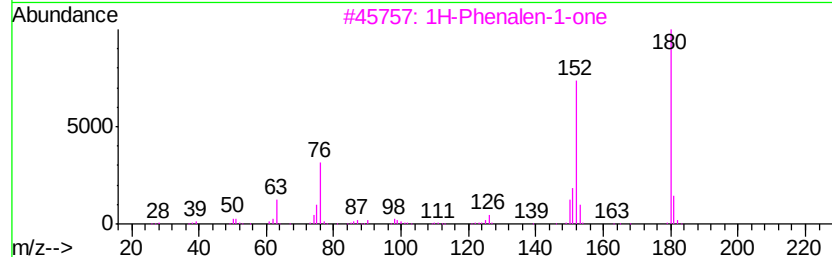
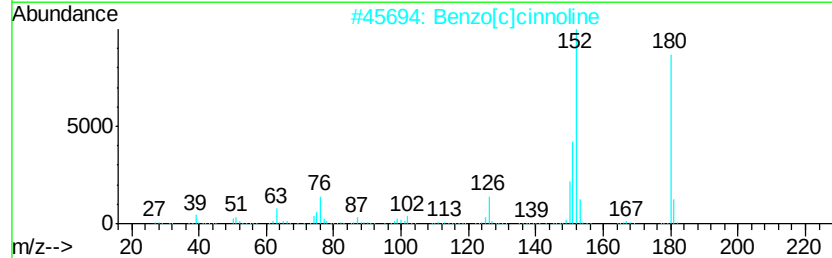
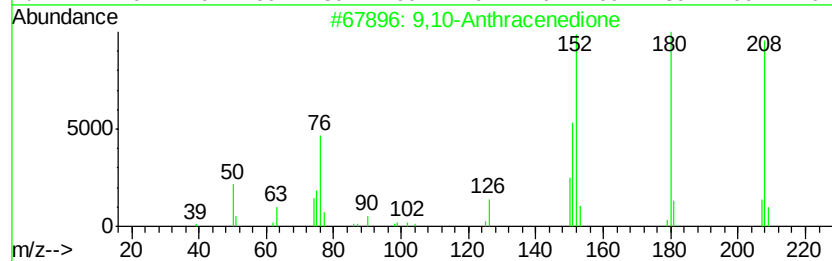
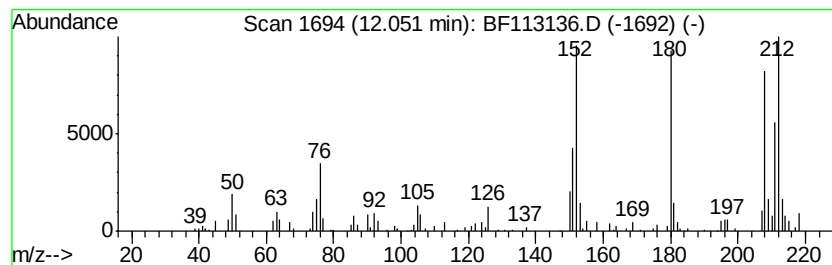
Instrument :
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ClientSampleId :
OK-02-031819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.05	2.11 ng	115934	Phenanthrene-d10		11.23
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	43
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113136.D
Acq On : 19 Mar 2019 20:11
Operator : JU/SJ
Sample : K1692-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

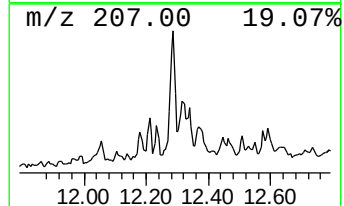
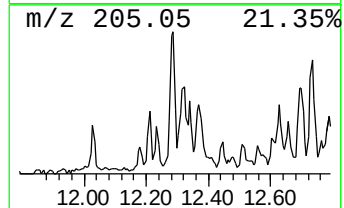
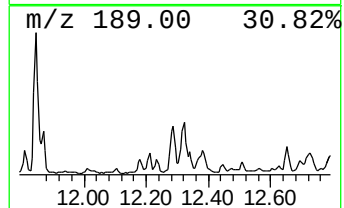
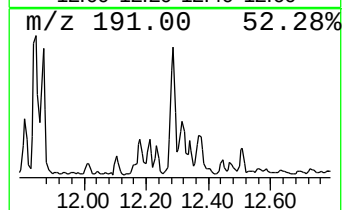
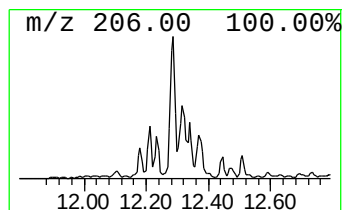
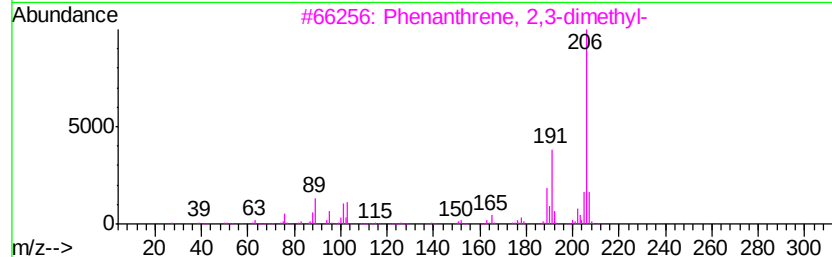
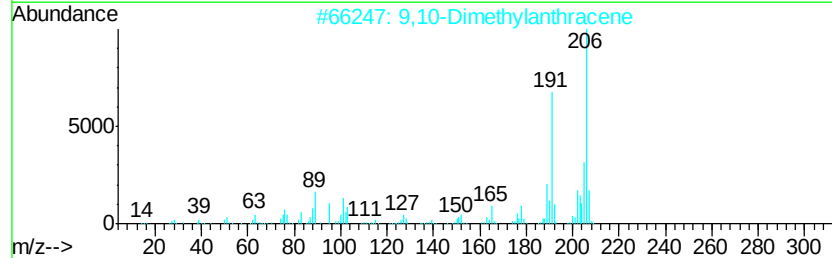
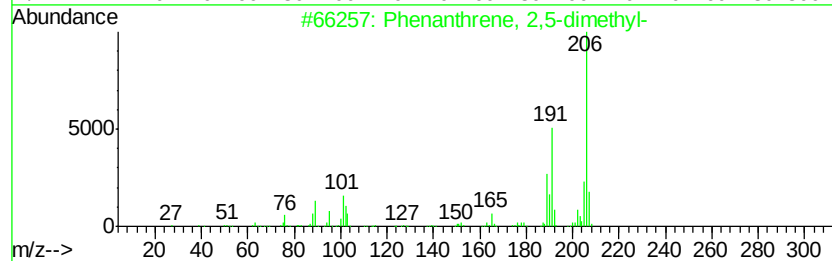
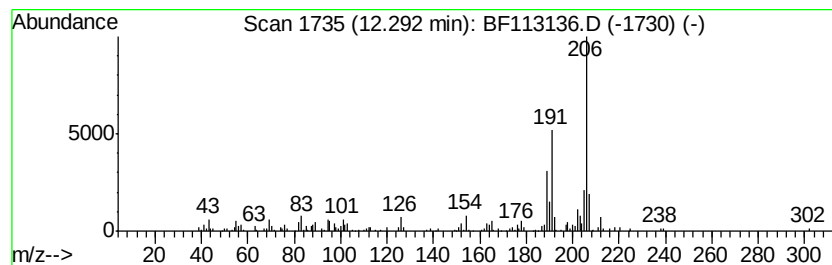
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.29	4.26 ng	234191	Phenanthrene-d10		11.23
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113136.D
Acq On : 19 Mar 2019 20:11
Operator : JU/SJ
Sample : K1692-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-02-031819

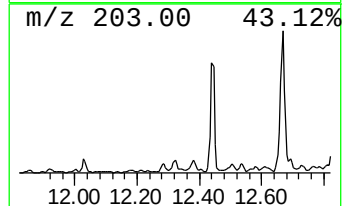
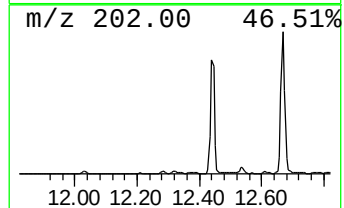
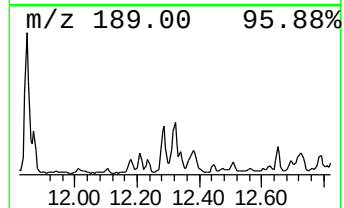
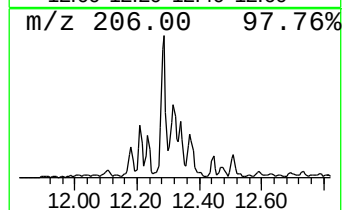
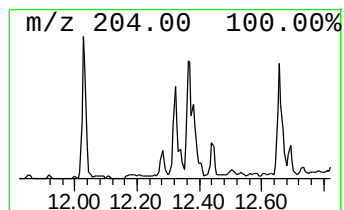
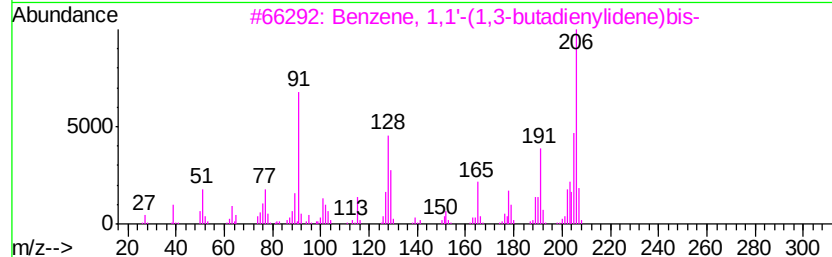
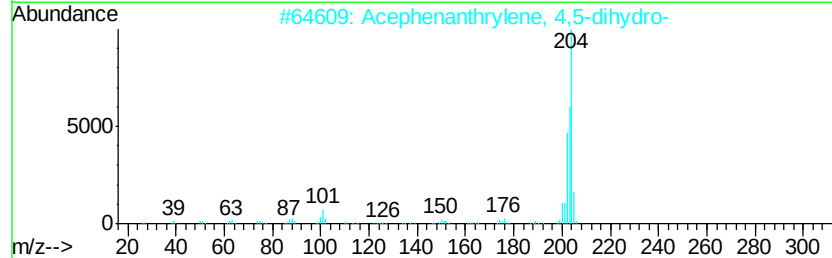
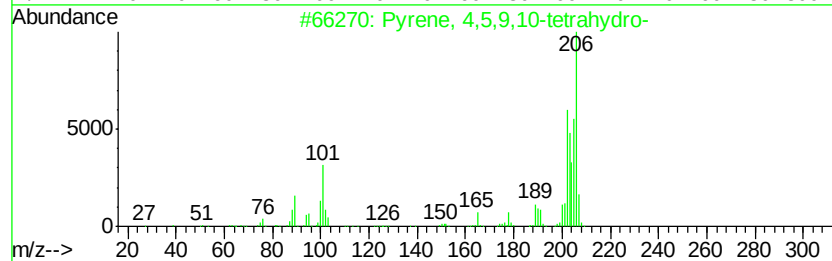
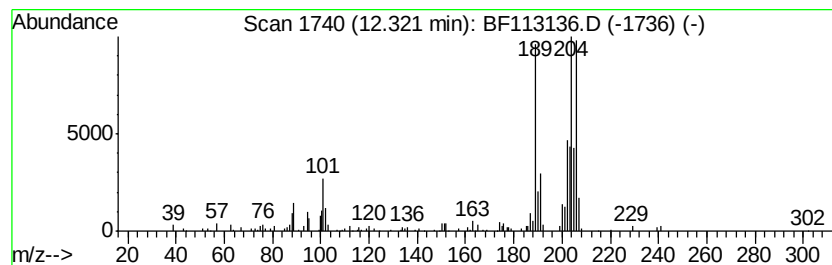
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown12.32 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	3.27 ng	179833	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
3		Benzene, 1,1'-(1,3-butadienylidene...	206	C16H14	004165-81-5	38
4		1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
5		Indeno[2,1-a]indene, 4b,5,9b,10-...	206	C16H14	016293-79-1	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
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Acq On : 19 Mar 2019 20:11
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Sample : K1692-03 5X
Misc :
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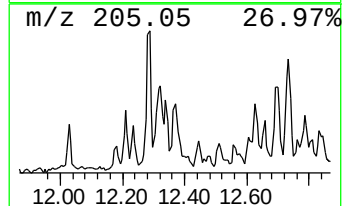
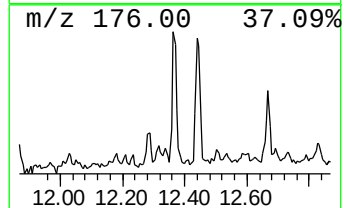
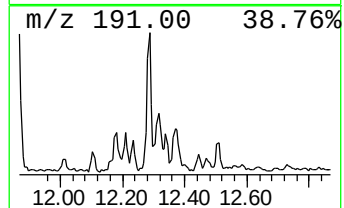
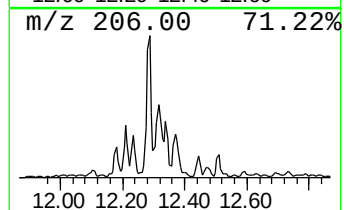
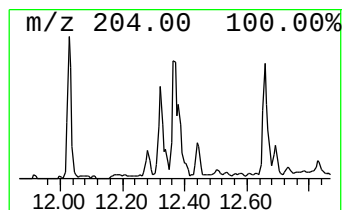
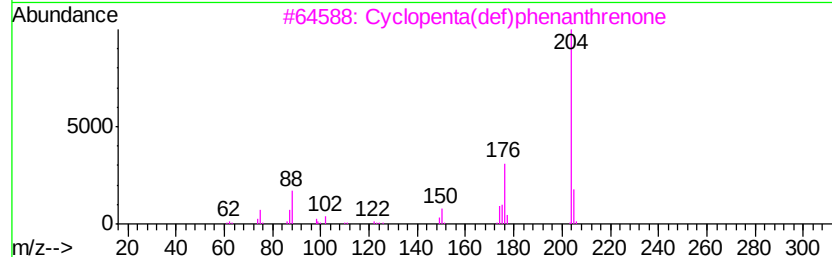
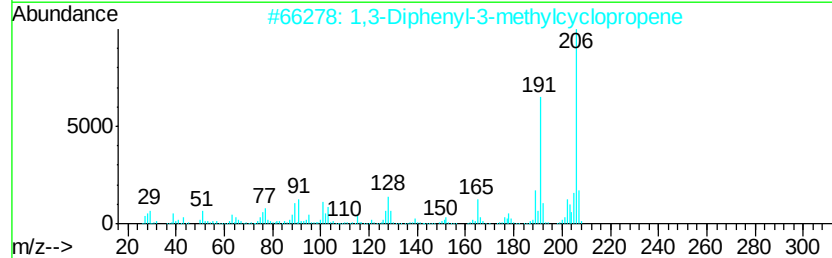
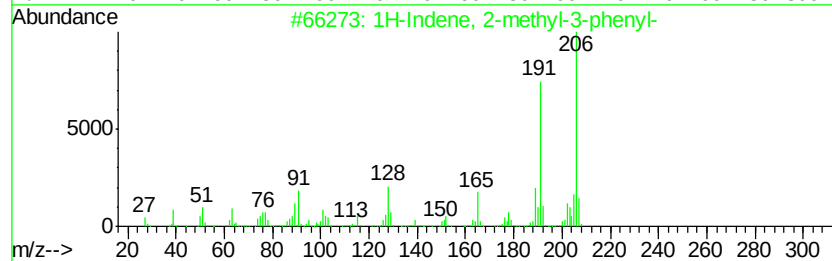
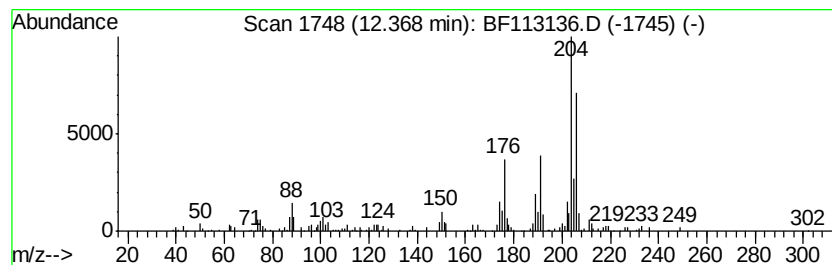
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown12.37 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.37	2.58 ng	141874	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	46
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	46
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
4	4-Bromo-2-methyl-2H-pyrazole-3-c...	204	C5H5BrN2O2	1000300-50-8	43
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113136.D
Acq On : 19 Mar 2019 20:11
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Sample : K1692-03 5X
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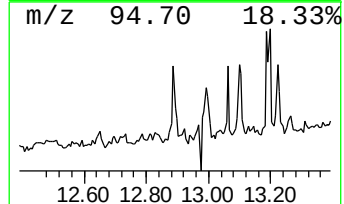
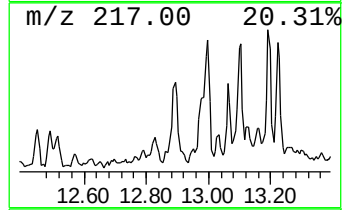
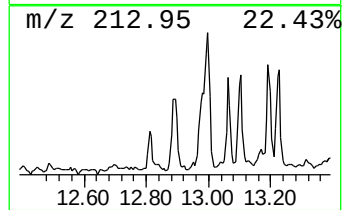
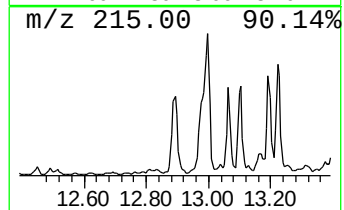
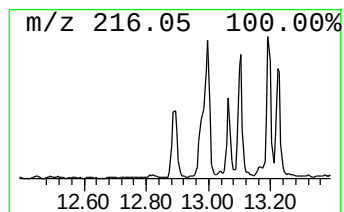
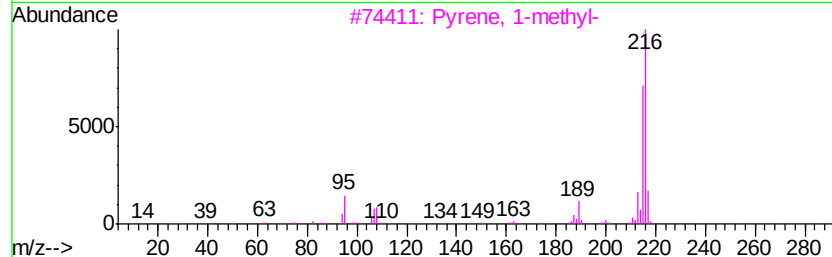
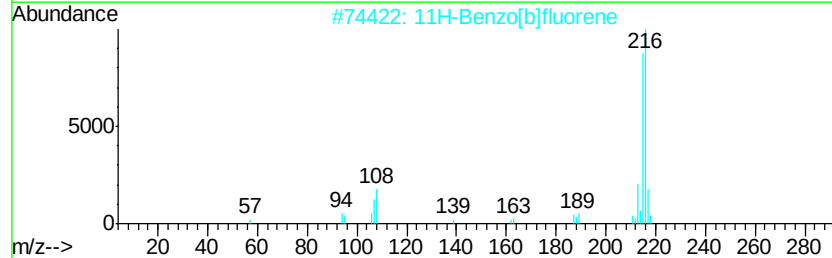
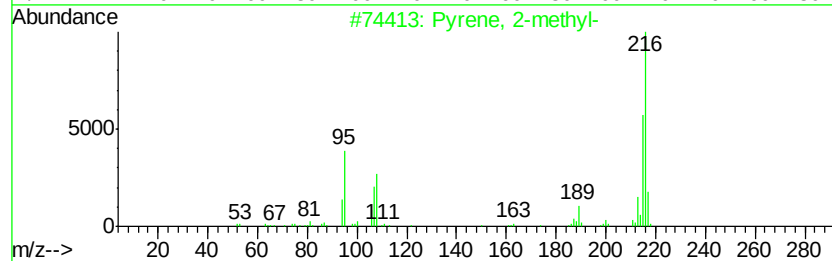
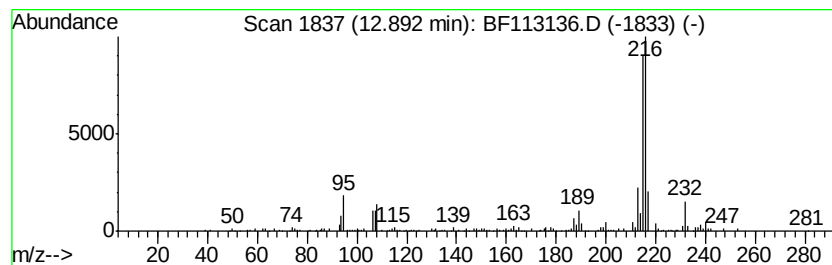
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ClientSampleId :
OK-02-031819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.89	2.61 ng	184480	Chrysene-d12		13.86
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113136.D
Acq On : 19 Mar 2019 20:11
Operator : JU/SJ
Sample : K1692-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

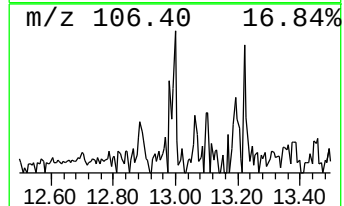
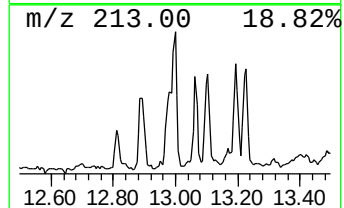
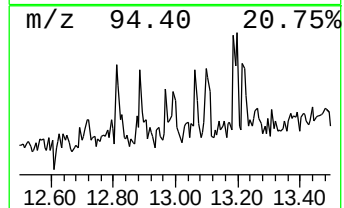
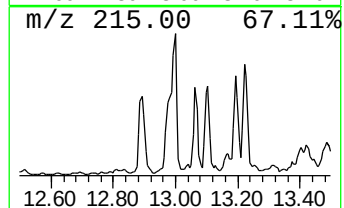
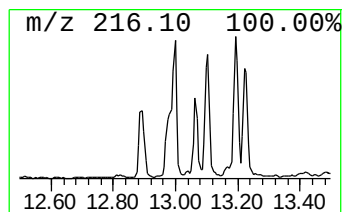
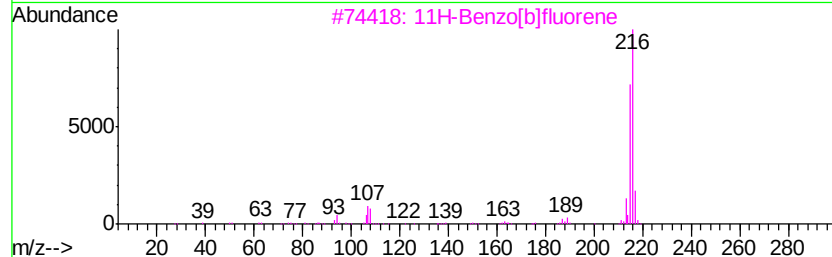
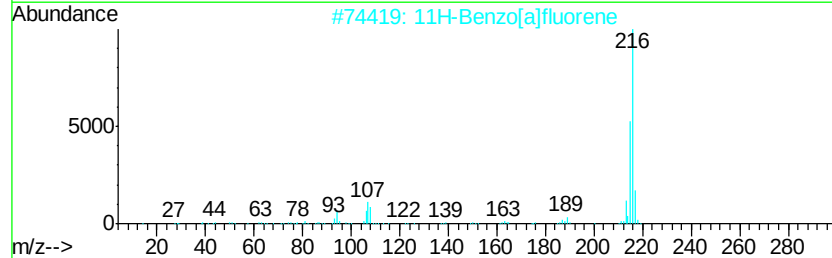
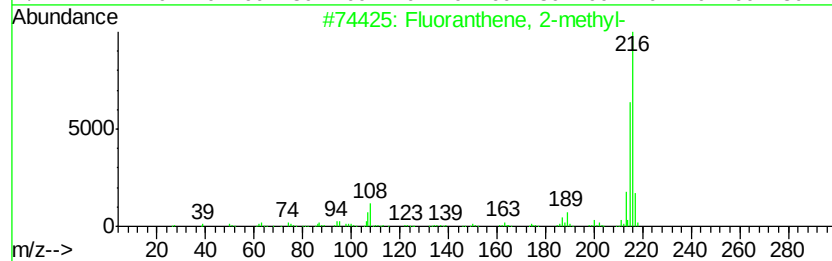
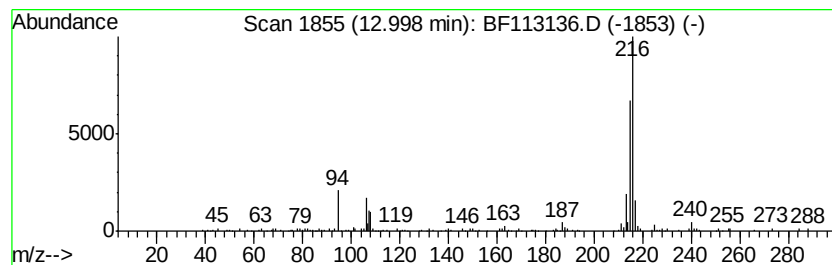
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.00	2.45 ng	173621	Chrysene-d12		13.86
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113136.D
Acq On : 19 Mar 2019 20:11
Operator : JU/SJ
Sample : K1692-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-031819

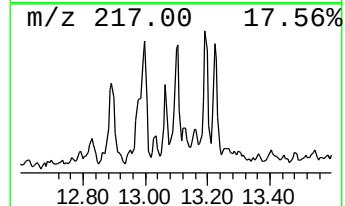
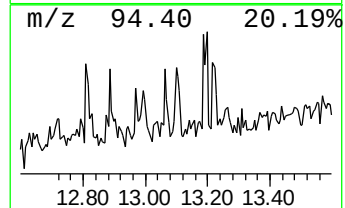
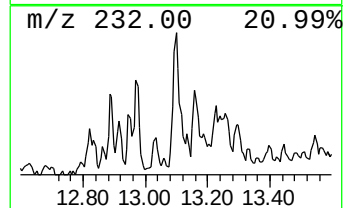
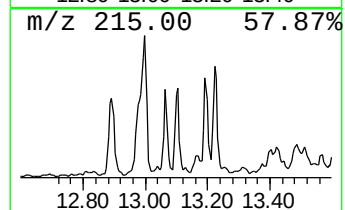
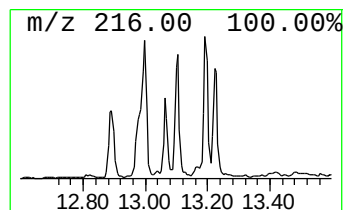
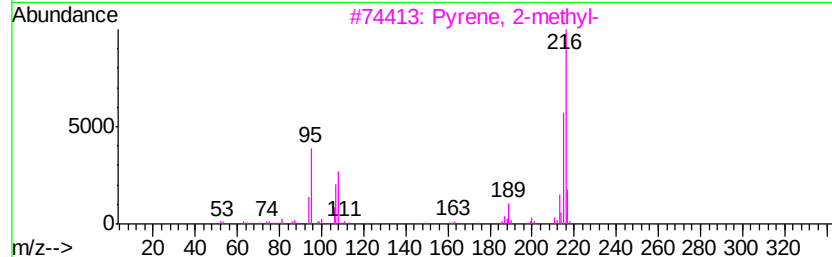
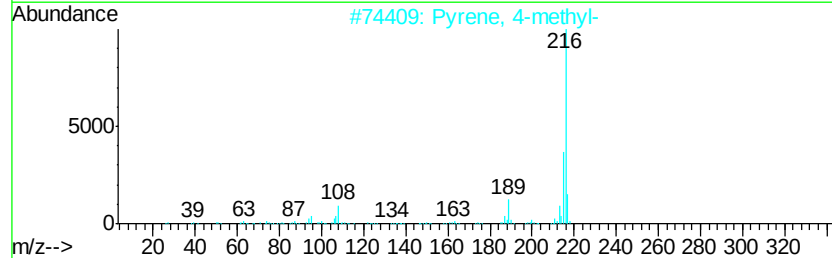
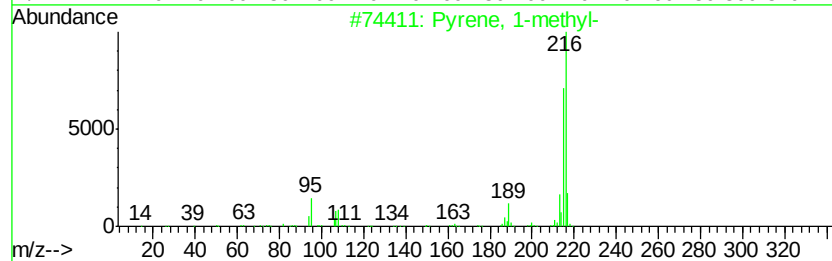
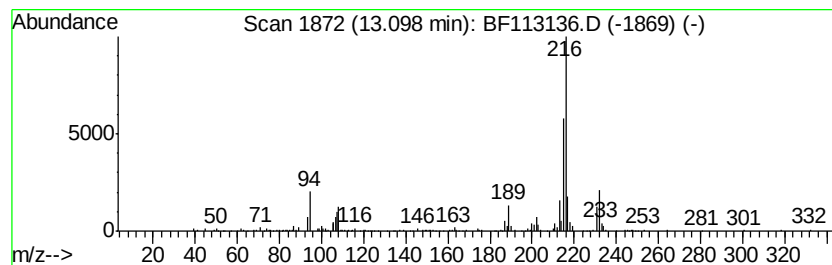
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.12 ng	220840	Chrysene-d12	13.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113136.D
Acq On : 19 Mar 2019 20:11
Operator : JU/SJ
Sample : K1692-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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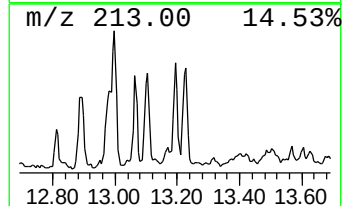
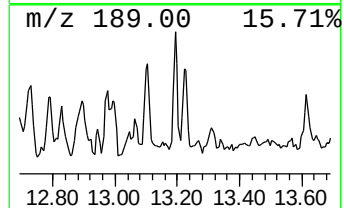
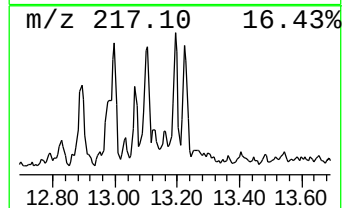
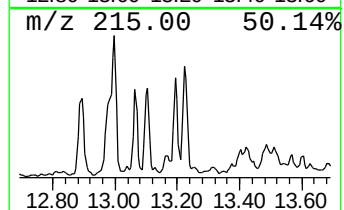
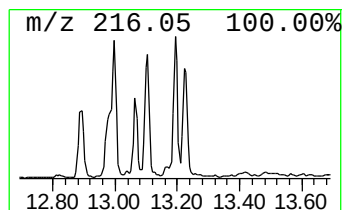
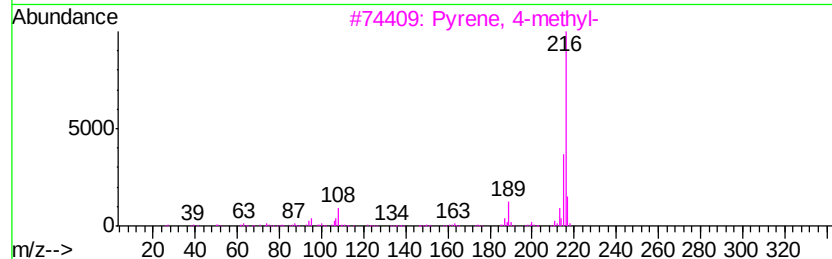
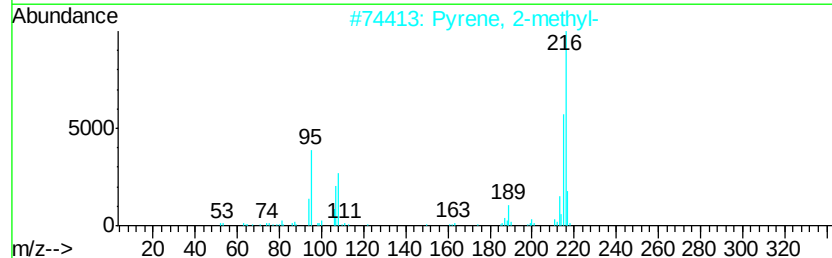
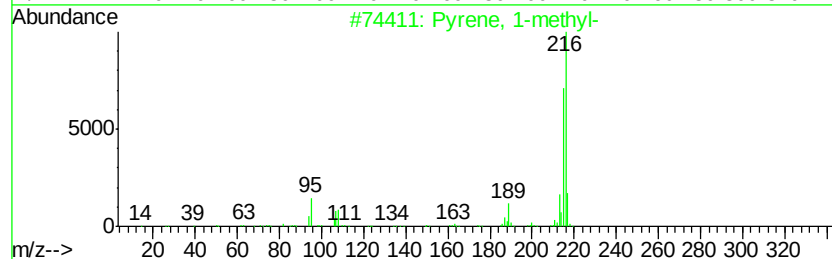
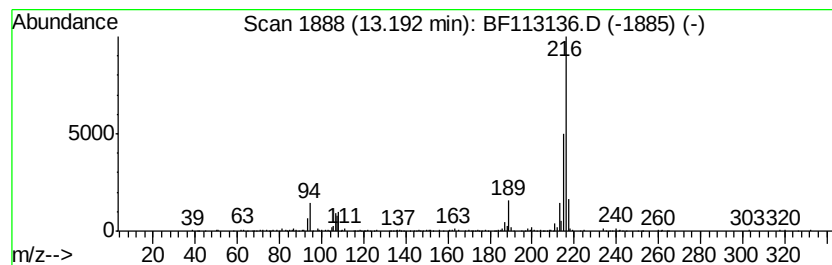
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.22 ng	157208	Chrysene-d12	13.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
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Sample : K1692-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

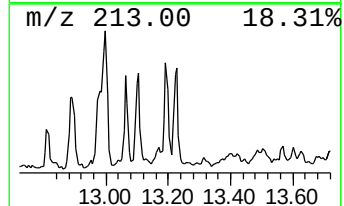
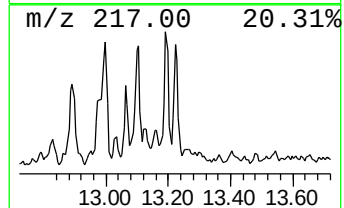
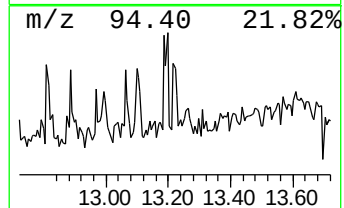
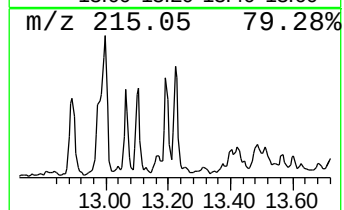
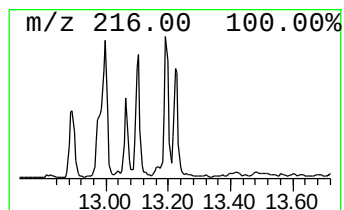
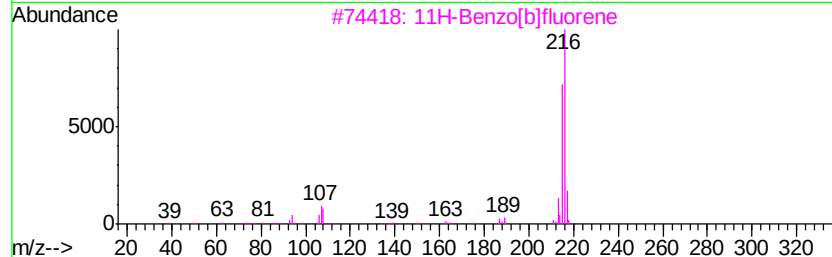
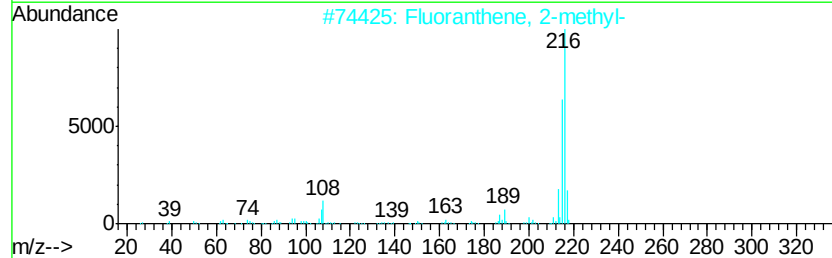
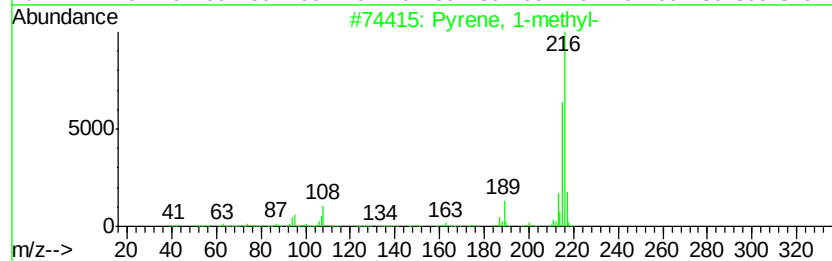
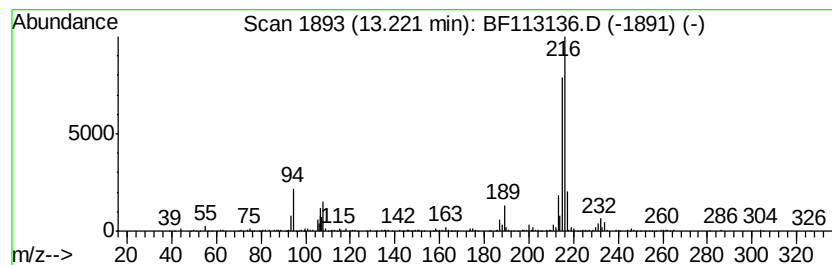
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	2.12 ng	150196	Chrysene-d12	13.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 94
2		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 90
3		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 87
4		Pyrene, 2-methyl-	216 C17H12	003442-78-2 86
5		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113136.D
Acq On : 19 Mar 2019 20:11
Operator : JU/SJ
Sample : K1692-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-02-031819

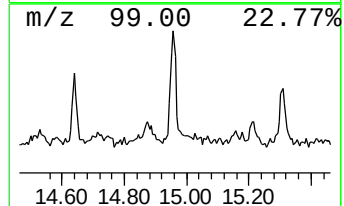
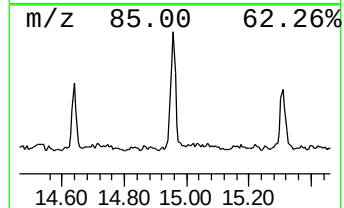
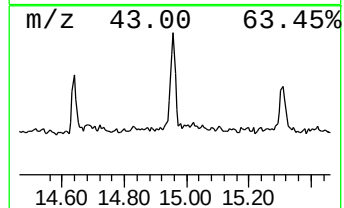
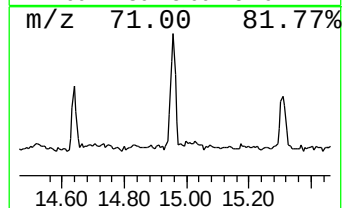
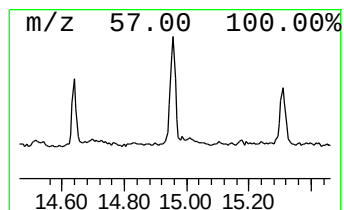
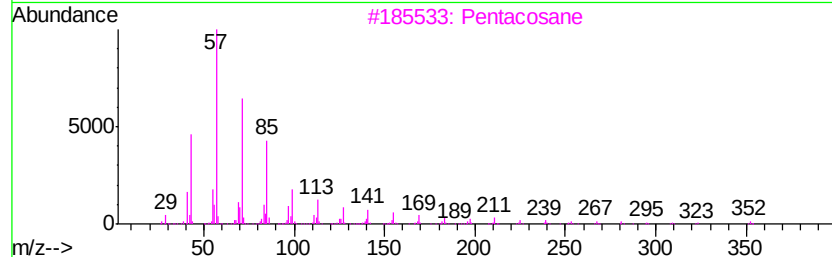
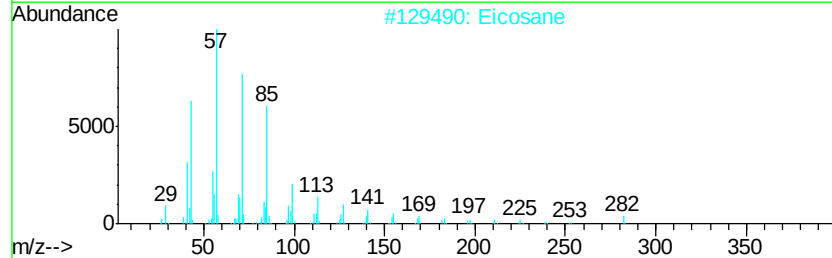
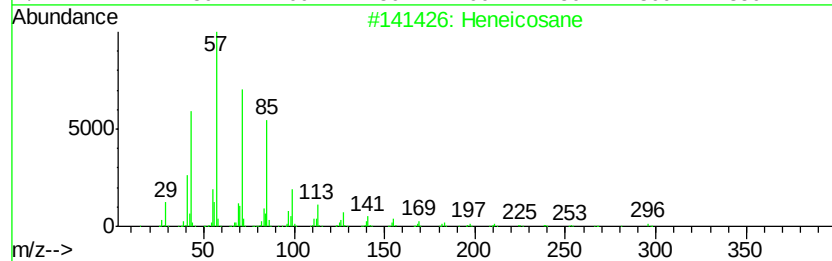
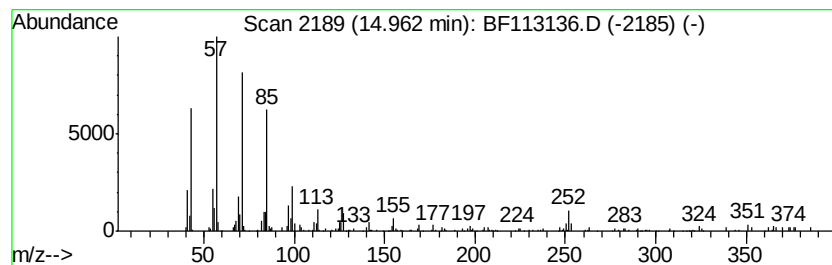
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heneicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	8.57 ng	236106	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	94
2		Eicosane	282	C20H42	000112-95-8	94
3		Pentacosane	352	C25H52	000629-99-2	91
4		2-methyloctacosane	408	C29H60	1000376-72-8	91
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113136.D
Acq On : 19 Mar 2019 20:11
Operator : JU/SJ
Sample : K1692-03 5X
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ClientSampleId :
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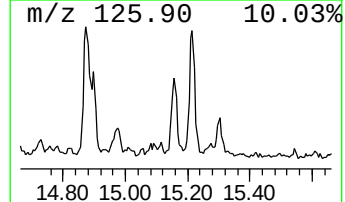
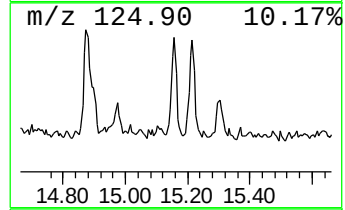
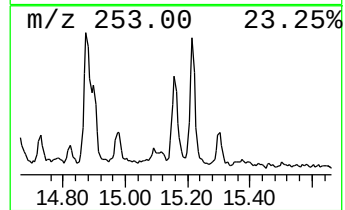
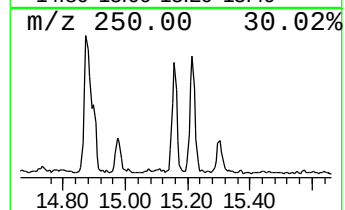
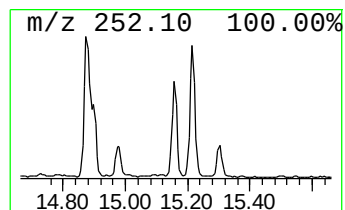
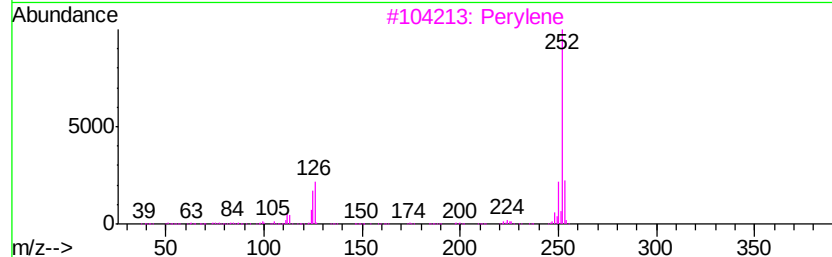
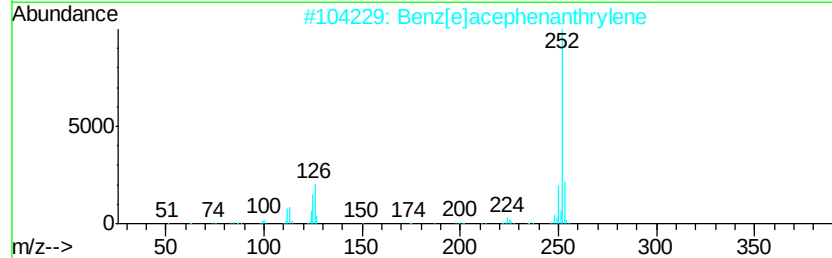
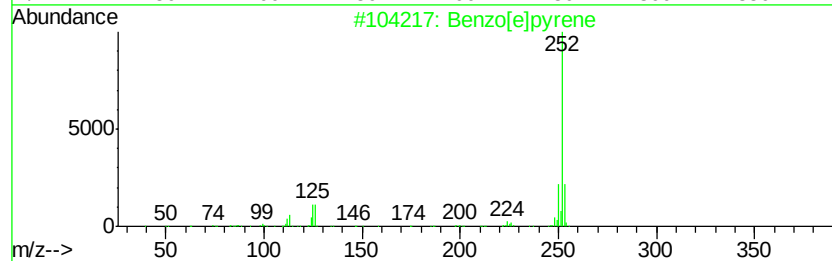
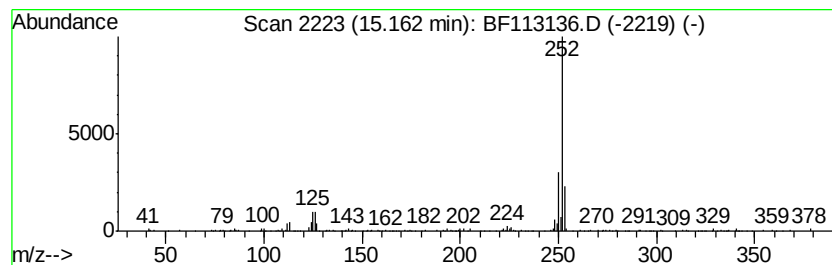
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	6.06 ng	166989	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3		Perylene	252	C20H12	000198-55-0	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	89
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113136.D
 Acq On : 19 Mar 2019 20:11
 Operator : JU/SJ
 Sample : K1692-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
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Phenanthrene, 1-m...	11.76	4.8	ng	262533	4	11.23	1099560	20.0
4H-Cyclopenta[def...	11.85	5.1	ng	282088	4	11.23	1099560	20.0
1H-Cyclopropa[l]p...	11.87	2.5	ng	135963	4	11.23	1099560	20.0
9,10-Anthracenedione	12.05	2.1	ng	115934	4	11.23	1099560	20.0
Phenanthrene, 2,5...	12.29	4.3	ng	234191	4	11.23	1099560	20.0
unknown12.32	12.32	3.3	ng	179833	4	11.23	1099560	20.0
unknown12.37	12.37	2.6	ng	141874	4	11.23	1099560	20.0
Pyrene, 2-methyl-	12.89	2.6	ng	184480	5	13.86	1415840	20.0
Fluoranthene, 2-m...	13.00	2.5	ng	173621	5	13.86	1415840	20.0
Pyrene, 1-methyl-	13.10	3.1	ng	220840	5	13.86	1415840	20.0
Pyrene, 4-methyl-	13.19	2.2	ng	157208	5	13.86	1415840	20.0
11H-Benzo[a]fluorene	13.22	2.1	ng	150196	5	13.86	1415840	20.0
Heneicosane	14.96	8.6	ng	236106	6	15.27	550876	20.0
Benzo[e]pyrene	15.16	6.1	ng	166989	6	15.27	550876	20.0