

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
 Data File : BF113757.D
 Acq On : 13 Apr 2019 00:21
 Operator : JU/SJ
 Sample : K2196-03 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-041119

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-BF040319.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	5.298	543	546	572	rBV	144249	370206	14.09%	1.318%
2	6.345	721	724	739	rBV	155773	392279	14.93%	1.397%
3	6.457	739	743	751	rVV	302938	427728	16.28%	1.523%
4	6.669	776	779	792	rBV	595176	641748	24.42%	2.285%
5	6.828	803	806	820	rBV	362106	362920	13.81%	1.292%
6	7.245	874	877	896	rBV	115615	246228	9.37%	0.877%
7	7.957	994	998	1008	rBV	709963	828265	31.52%	2.949%
8	9.027	1177	1180	1190	rBV	500420	502765	19.13%	1.790%
9	9.369	1235	1238	1241	rBV	30600	33727	1.28%	0.120%
10	9.433	1246	1249	1255	rVB2	34279	45038	1.71%	0.160%
11	9.569	1269	1272	1277	rBV	129949	129617	4.93%	0.461%
12	9.704	1291	1295	1298	rBV	951864	845055	32.16%	3.009%
13	9.733	1298	1300	1311	rVB	88007	110411	4.20%	0.393%
14	9.916	1326	1331	1335	rBV2	32474	43744	1.66%	0.156%
15	10.022	1346	1349	1352	rBV	30310	29764	1.13%	0.106%
16	10.257	1385	1389	1395	rVB	71451	85192	3.24%	0.303%
17	10.410	1412	1415	1418	rVB	25799	27609	1.05%	0.098%
18	10.498	1423	1430	1440	rBV2	239327	316508	12.05%	1.127%
19	10.616	1446	1450	1456	rVB5	30357	51466	1.96%	0.183%
20	10.798	1477	1481	1484	rBV3	40161	62192	2.37%	0.221%
21	10.827	1484	1486	1489	rVV	32175	30477	1.16%	0.109%
22	10.927	1498	1503	1505	rBV3	32148	39769	1.51%	0.142%
23	10.951	1505	1507	1512	rVB2	30458	31888	1.21%	0.114%
24	11.039	1519	1522	1524	rBV2	25781	29984	1.14%	0.107%
25	11.086	1527	1530	1536	rVB	60287	62870	2.39%	0.224%
26	11.186	1543	1547	1549	rBV	932023	890661	33.90%	3.171%
27	11.210	1549	1551	1557	rVV	909432	769754	29.29%	2.741%
28	11.263	1557	1560	1564	rVV	233649	222959	8.49%	0.794%
29	11.433	1584	1589	1594	rBV3	77566	121389	4.62%	0.432%
30	11.480	1594	1597	1599	rVB	50563	47571	1.81%	0.169%
31	11.516	1599	1603	1609	rBV4	38653	72115	2.74%	0.257%
32	11.598	1615	1617	1622	rVB2	28801	34177	1.30%	0.122%
33	11.686	1629	1632	1635	rBV	224888	206790	7.87%	0.736%
34	11.716	1635	1637	1642	rVV	285046	269760	10.27%	0.960%

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35	11.763	1642	1645	1648	rVV	112548	115020	4.38%	0.409%
36	11.798	1648	1651	1653	rVV	399153	399286	15.20%	1.422%
37	11.821	1653	1655	1661	rVB	167221	156809	5.97%	0.558%
38	11.916	1667	1671	1675	rBV5	28904	40636	1.55%	0.145%
39	11.980	1679	1682	1687	rVV	137149	130350	4.96%	0.464%
40	12.021	1687	1689	1692	rVB2	62759	60322	2.30%	0.215%
41	12.127	1702	1707	1711	rBV2	56260	74301	2.83%	0.265%
42	12.163	1711	1713	1715	rVV	73792	52923	2.01%	0.188%
43	12.186	1715	1717	1720	rVB2	51070	44221	1.68%	0.157%
44	12.233	1722	1725	1728	rBV	201328	198069	7.54%	0.705%
45	12.274	1728	1732	1734	rVV2	120427	156654	5.96%	0.558%
46	12.333	1737	1742	1745	rBV2	120672	147279	5.60%	0.524%
47	12.398	1749	1753	1758	rBV	2088200	1892693	72.03%	6.738%
48	12.439	1758	1760	1762	rBV2	48447	32089	1.22%	0.114%
49	12.463	1762	1764	1767	rVB2	55304	48795	1.86%	0.174%
50	12.492	1767	1769	1775	rBV	53079	53712	2.04%	0.191%
51	12.545	1775	1778	1781	rBV	115015	114612	4.36%	0.408%
52	12.627	1786	1792	1798	rVV	1842862	2107413	80.20%	7.503%
53	12.680	1798	1801	1805	rVB2	109624	133486	5.08%	0.475%
54	12.762	1809	1815	1818	rBV2	642077	636119	24.21%	2.265%
55	12.792	1818	1820	1825	rVB	77343	95968	3.65%	0.342%
56	12.845	1825	1829	1834	rBV2	190835	324144	12.34%	1.154%
57	12.898	1836	1838	1840	rVB	44138	33998	1.29%	0.121%
58	12.927	1840	1843	1844	rBV2	162886	158096	6.02%	0.563%
59	12.957	1845	1848	1851	rVB	387080	394143	15.00%	1.403%
60	13.021	1853	1859	1861	rBV	304990	327470	12.46%	1.166%
61	13.057	1861	1865	1872	rBV3	304682	390877	14.88%	1.392%
62	13.110	1872	1874	1878	rVB2	39130	41119	1.56%	0.146%
63	13.151	1878	1881	1884	rBV	171762	159985	6.09%	0.570%
64	13.180	1884	1886	1890	rBV	174687	149701	5.70%	0.533%
65	13.251	1896	1898	1899	rBV2	33757	29429	1.12%	0.105%
66	13.333	1909	1912	1914	rBV3	48927	69751	2.65%	0.248%
67	13.357	1914	1916	1918	rVV	38288	38020	1.45%	0.135%
68	13.433	1927	1929	1932	rBV2	59944	73900	2.81%	0.263%
69	13.468	1932	1935	1938	rVB	166199	159154	6.06%	0.567%
70	13.574	1949	1953	1955	rBV3	197379	257992	9.82%	0.919%
71	13.592	1955	1956	1959	rVB	181334	116767	4.44%	0.416%

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72	13.621	1959	1961	1963	rBV	147833	126576	4.82%	0.451%
73	13.680	1968	1971	1976	rVB2	187023	240377	9.15%	0.856%
74	13.739	1979	1981	1987	rBV	60408	67617	2.57%	0.241%
75	13.815	1988	1994	1998	rBV2	1580272	2627674	100.00%	9.355%
76	13.845	1998	1999	2003	rVB	1014911	831501	31.64%	2.960%
77	13.927	2011	2013	2016	rVB	200201	152536	5.80%	0.543%
78	13.980	2020	2022	2027	rVV3	127548	154215	5.87%	0.549%
79	14.168	2052	2054	2056	rBV	72172	64635	2.46%	0.230%
80	14.209	2056	2061	2064	rVV	331395	414518	15.78%	1.476%
81	14.245	2064	2067	2069	rVB3	134966	117447	4.47%	0.418%
82	14.286	2071	2074	2076	rBV2	125036	116413	4.43%	0.414%
83	14.333	2080	2082	2084	rBV	142135	136424	5.19%	0.486%
84	14.692	2140	2143	2146	rBV2	148232	163021	6.20%	0.580%
85	14.839	2164	2168	2170	rBV	884243	1172968	44.64%	4.176%
86	14.939	2182	2185	2190	rBV	214310	233356	8.88%	0.831%
87	15.115	2212	2215	2220	rVB	525504	551098	20.97%	1.962%
88	15.174	2221	2225	2230	rVV	726364	878922	33.45%	3.129%
89	15.233	2231	2235	2238	rVV	688942	855148	32.54%	3.045%
90	15.262	2238	2240	2247	rVB2	191273	267893	10.20%	0.954%
91	16.598	2462	2467	2475	rVB2	293245	553940	21.08%	1.972%
92	16.750	2489	2493	2498	rBV	87216	155710	5.93%	0.554%
93	17.003	2532	2536	2547	rVB	209031	408099	15.53%	1.453%

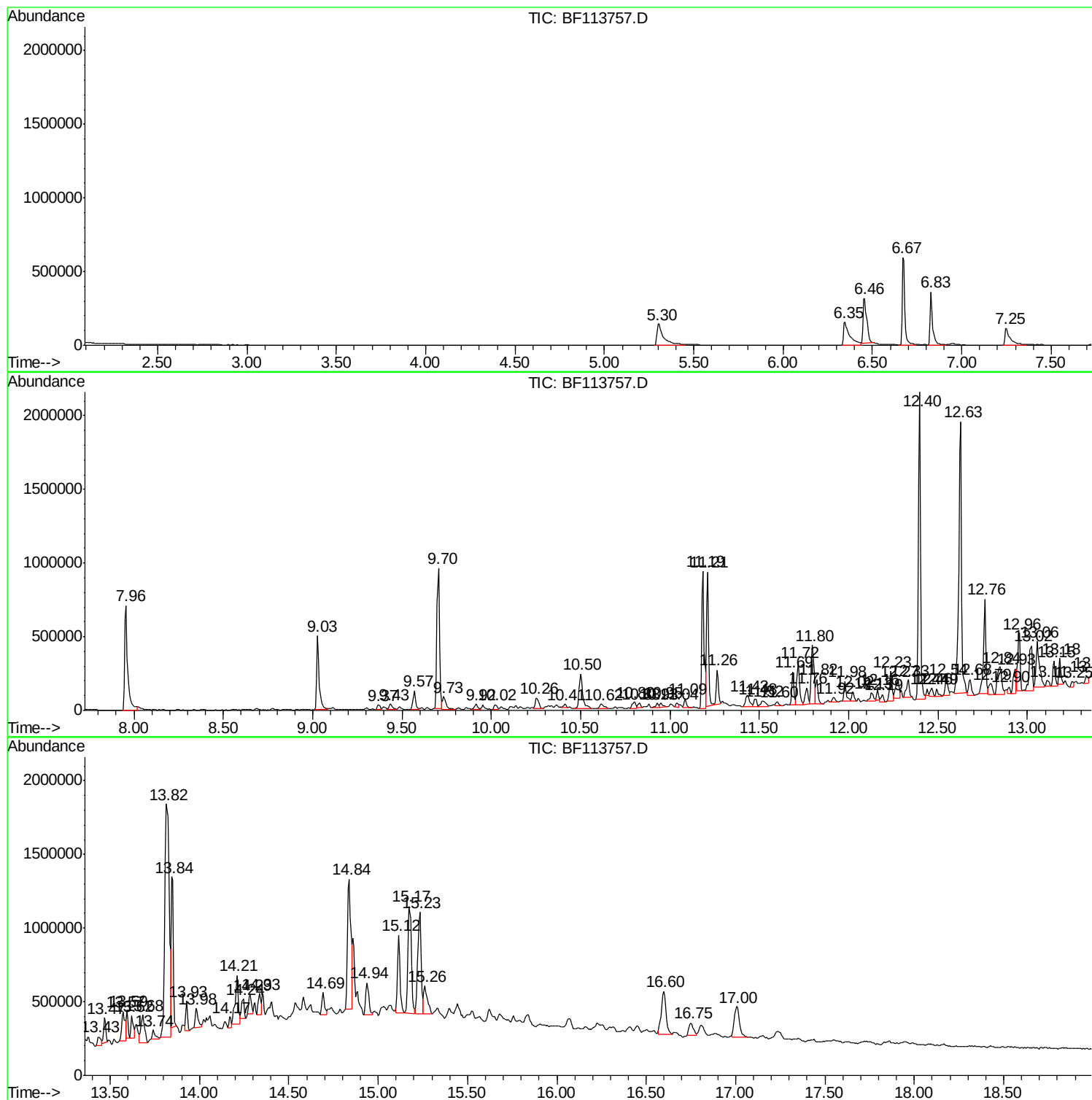
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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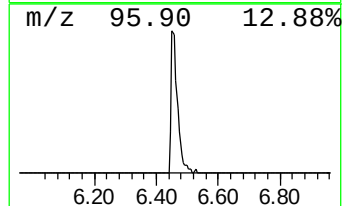
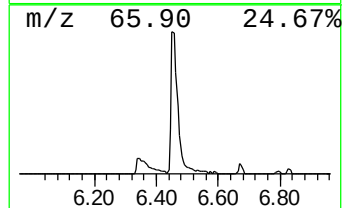
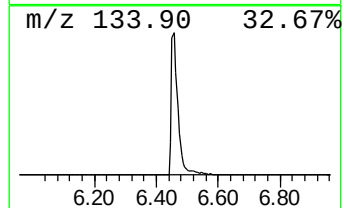
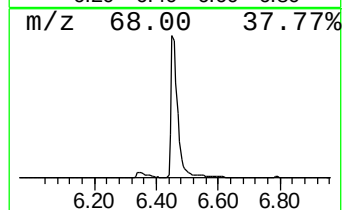
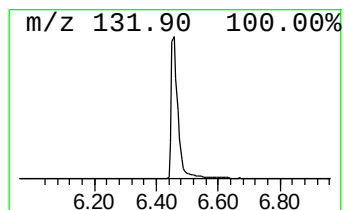
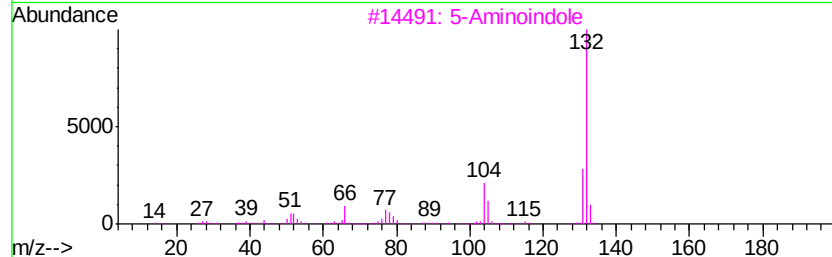
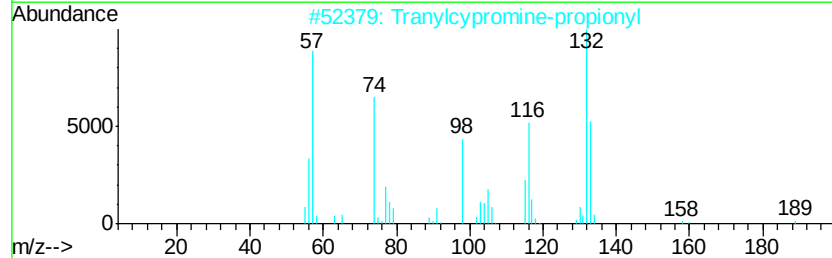
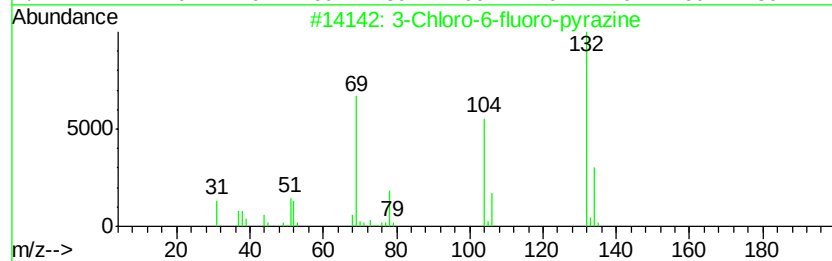
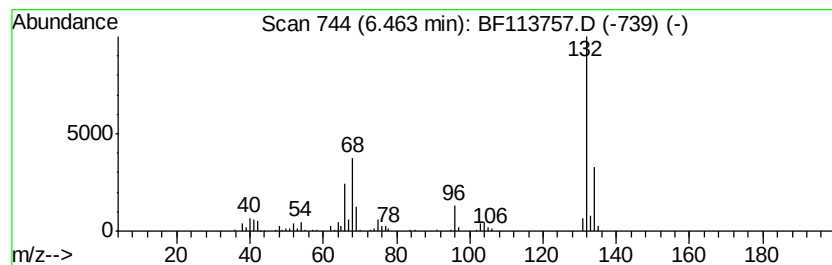
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	13.33 ng	427728	1,4-Dichlorobenzene-d4	6.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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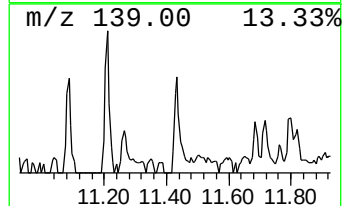
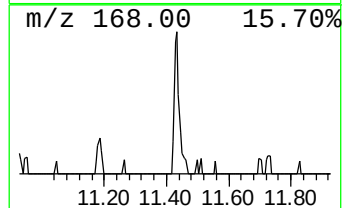
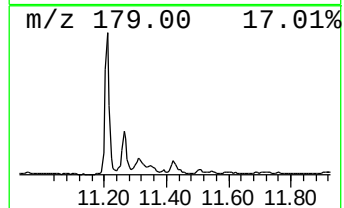
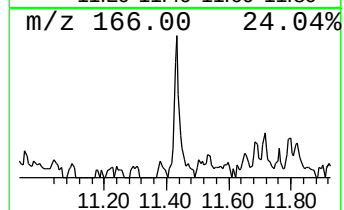
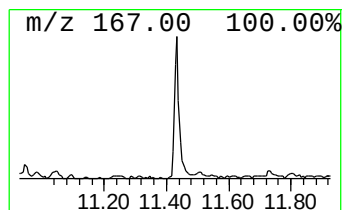
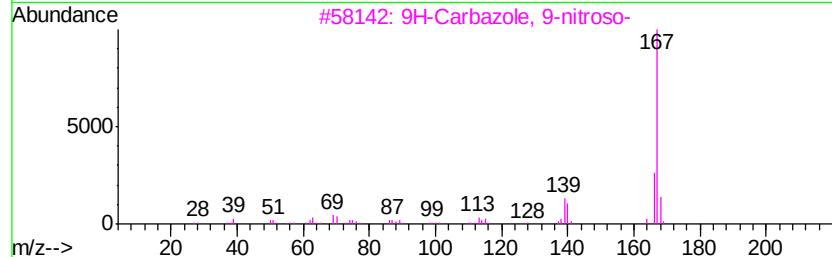
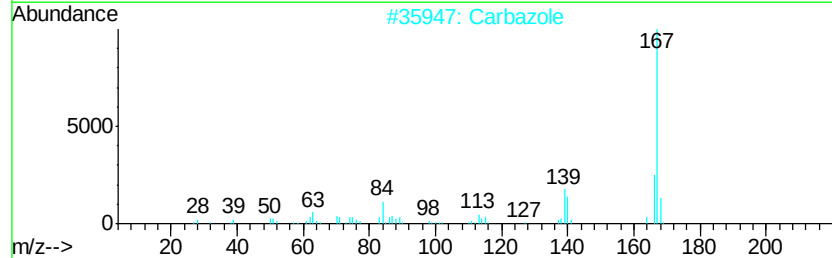
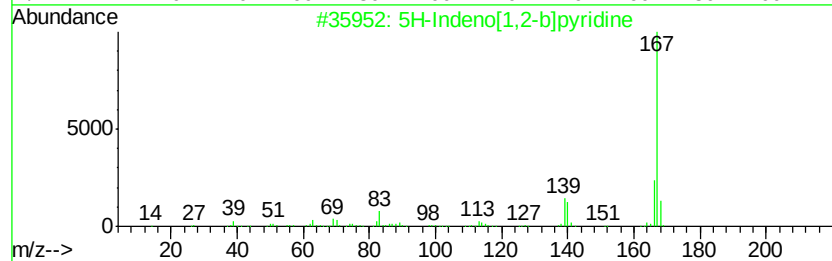
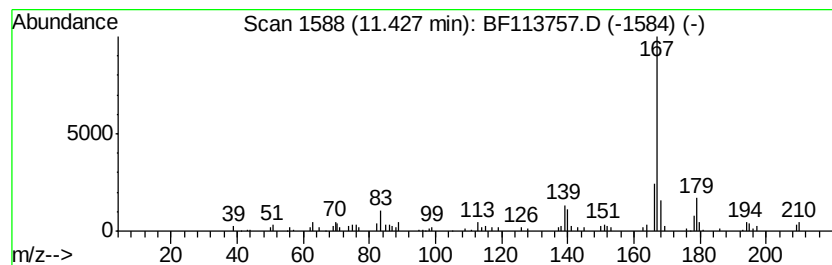
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 5H-Indeno[1,2-b]pyridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.43	2.73 ng	121389	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	86
2	Carbazole	167	C12H9N	000086-74-8	74
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	74
4	1,2-Cycloheptanedione, 3,3,7,7-t...	210	C11H22N4	1000319-33-3	58
5	D-Galactitol, 2-(acetylmethylami...	363	C16H29N08	074410-42-7	58



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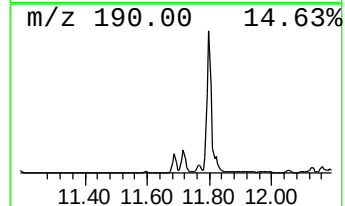
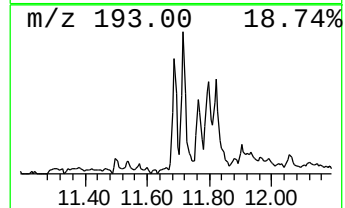
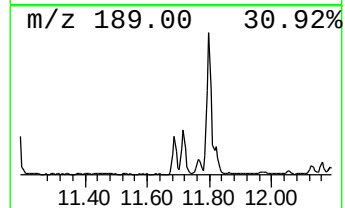
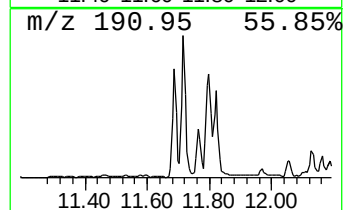
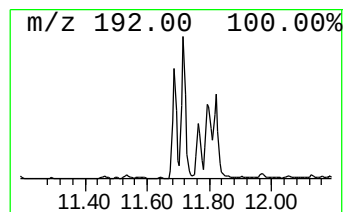
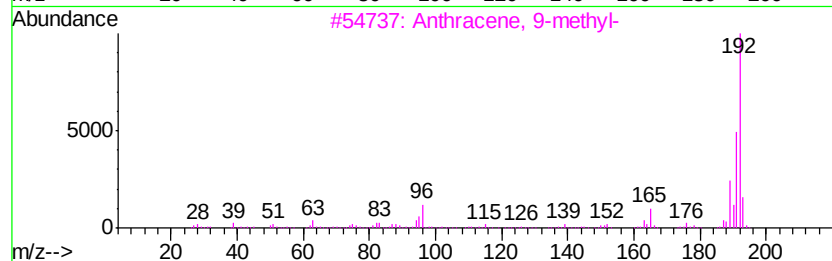
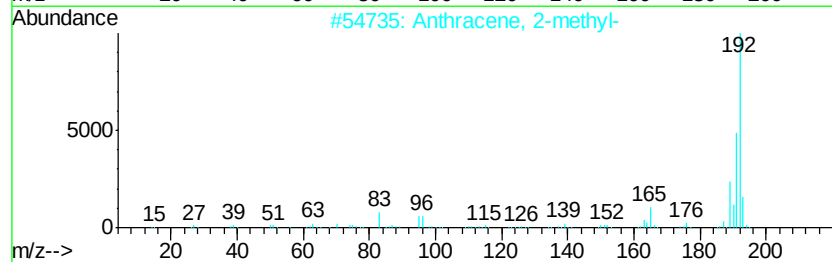
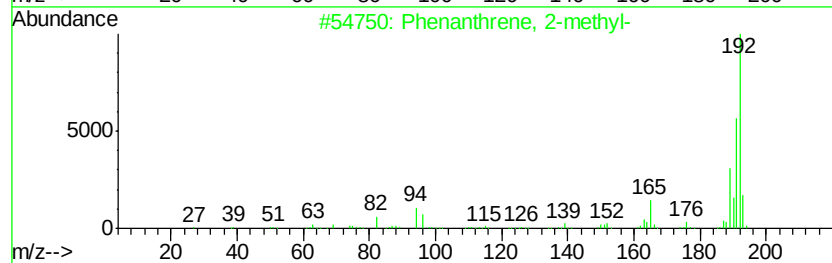
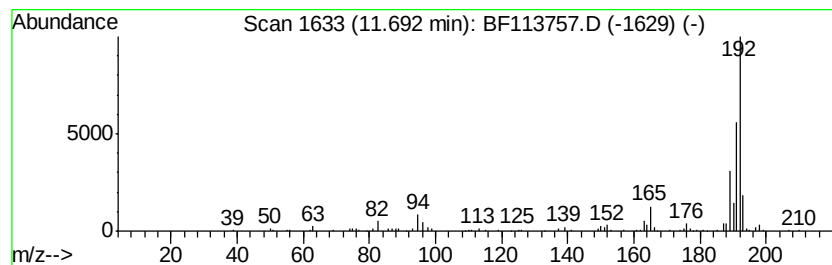
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.69	4.64 ng	206790	Phenanthrene-d10		11.19
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



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Misc :
ALS Vial : 22 Sample Multiplier: 1

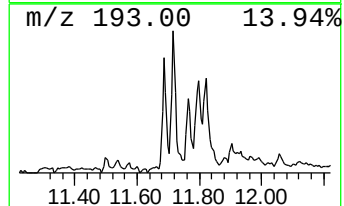
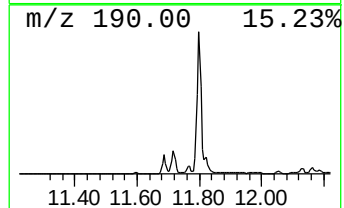
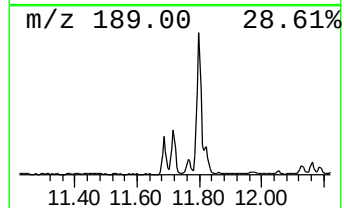
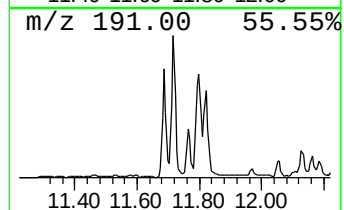
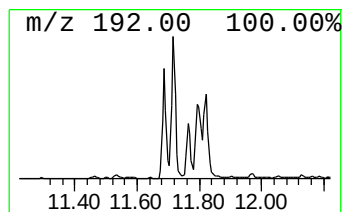
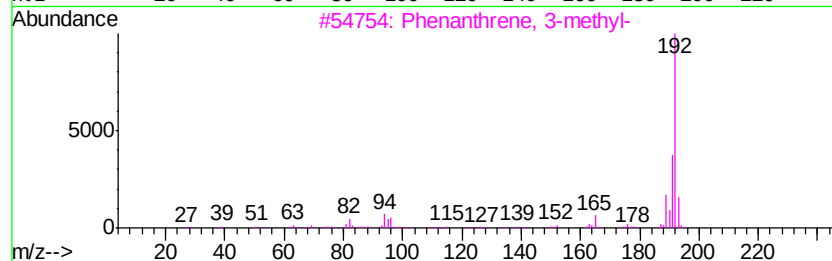
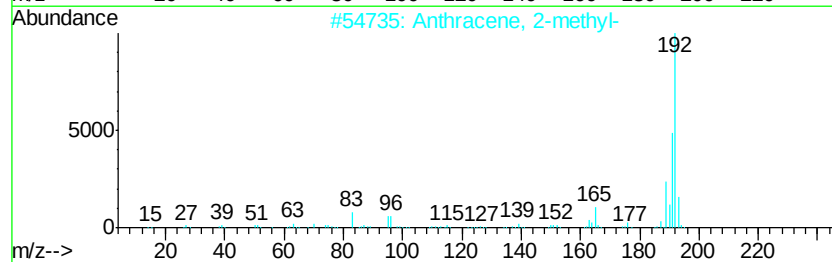
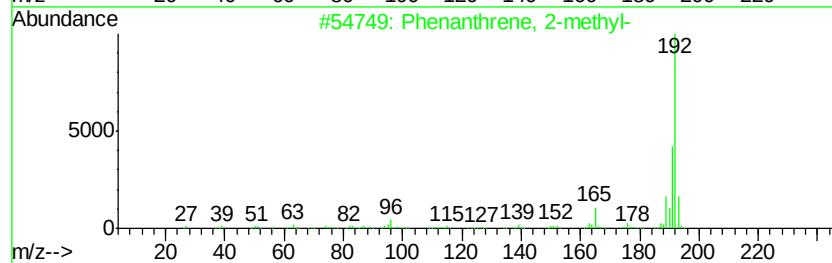
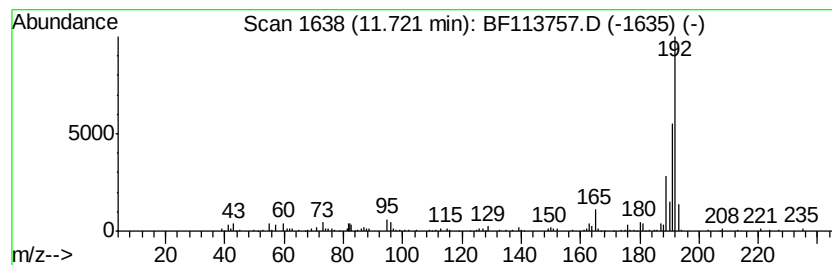
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ClientSampleId :
HD-02-041119

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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 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.72	6.06 ng	269760	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113757.D
Acq On : 13 Apr 2019 00:21
Operator : JU/SJ
Sample : K2196-03 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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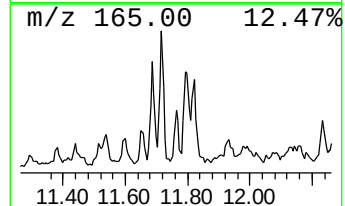
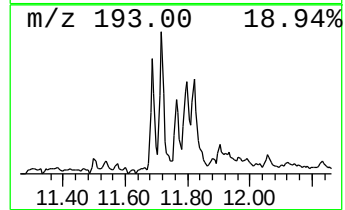
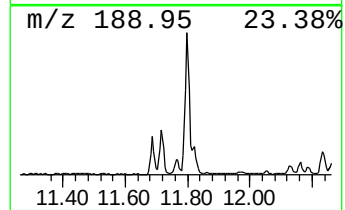
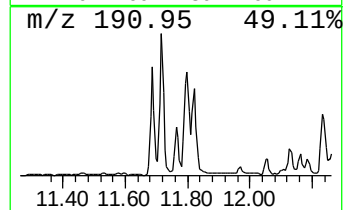
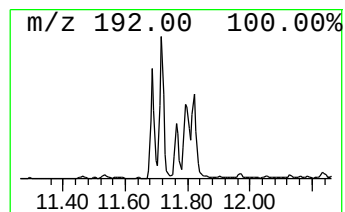
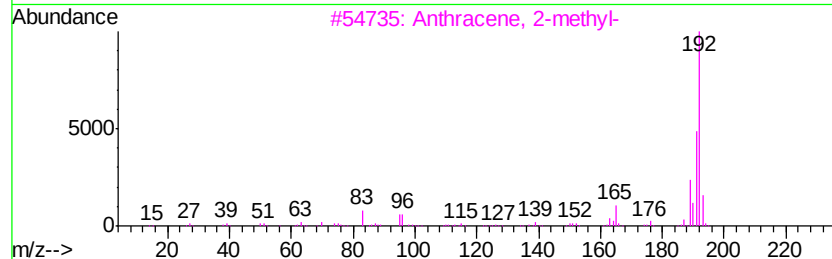
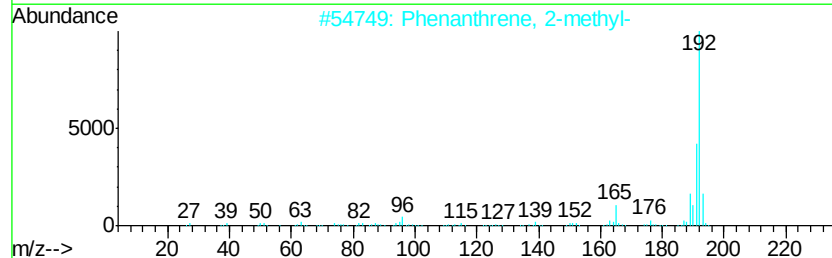
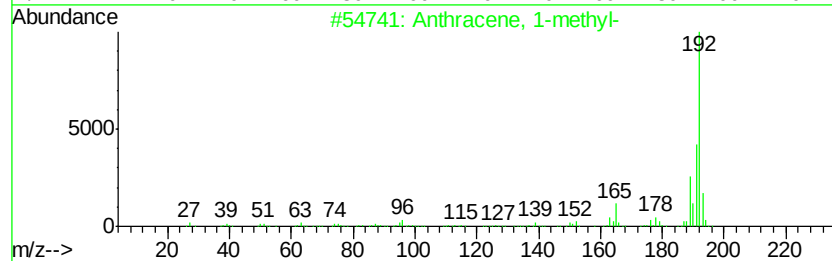
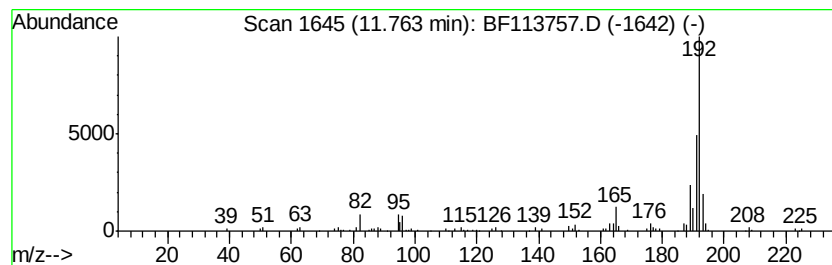
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	2.58 ng	115020	Phenanthrene-d10	11.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113757.D
Acq On : 13 Apr 2019 00:21
Operator : JU/SJ
Sample : K2196-03 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

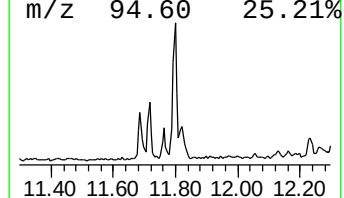
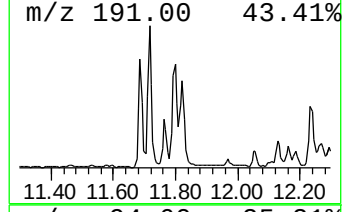
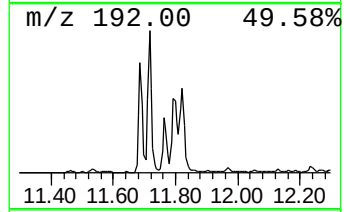
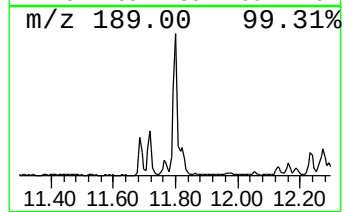
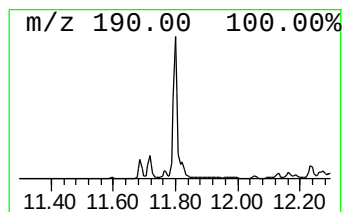
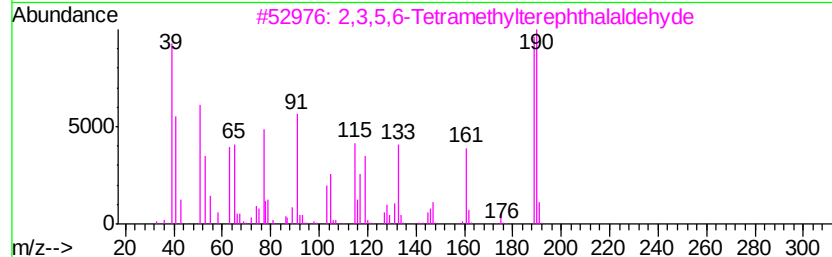
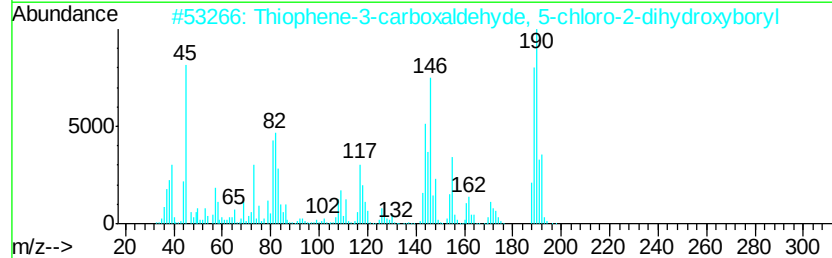
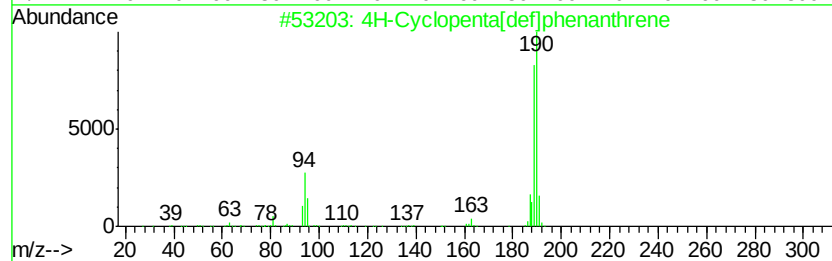
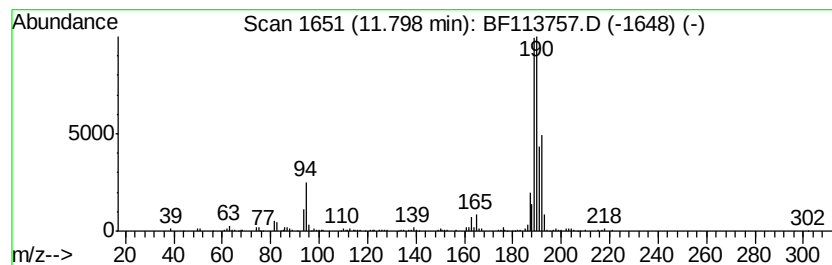
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.80	8.97 ng	399286	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	33



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113757.D
Acq On : 13 Apr 2019 00:21
Operator : JU/SJ
Sample : K2196-03 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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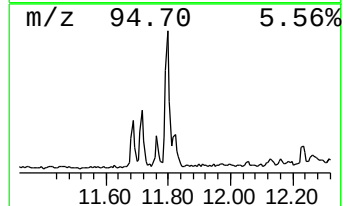
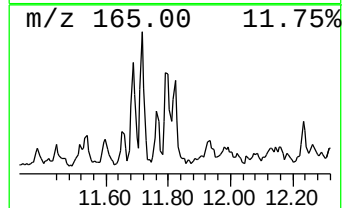
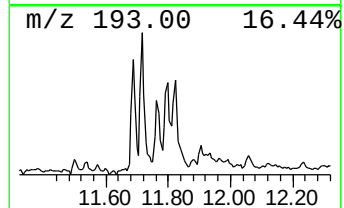
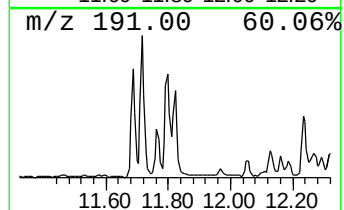
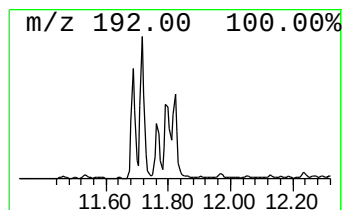
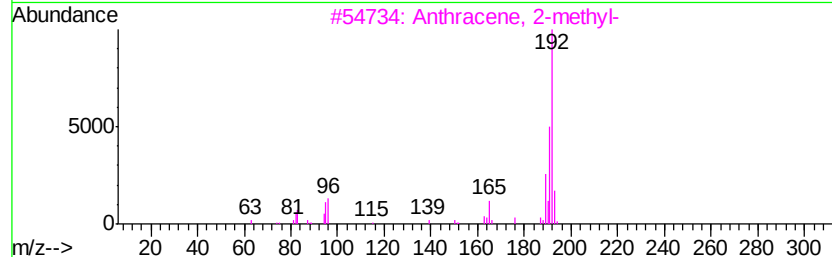
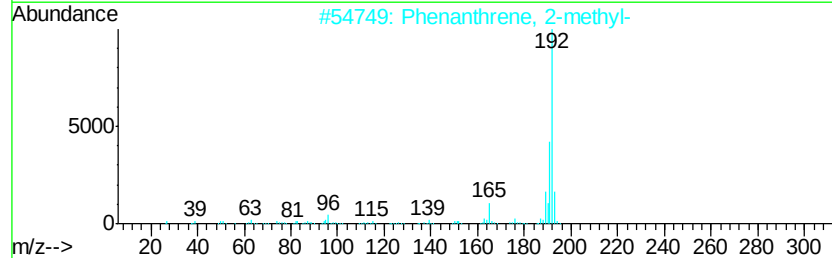
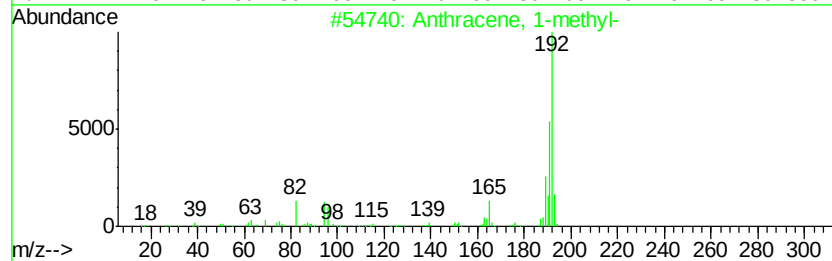
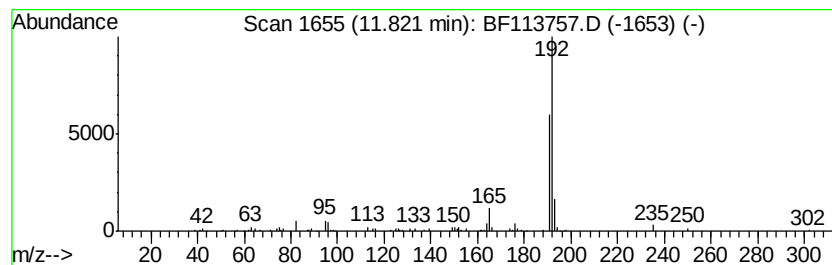
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.52 ng	156809	Phenanthrene-d10	11.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5			1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
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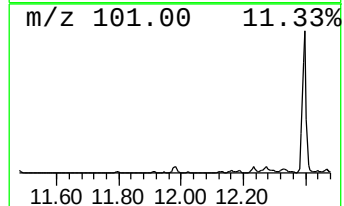
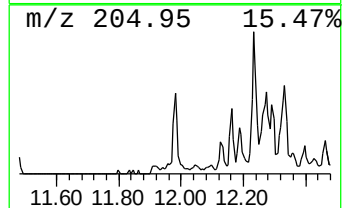
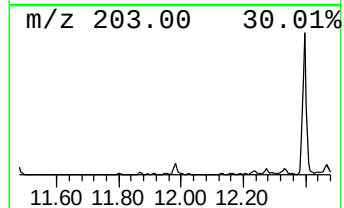
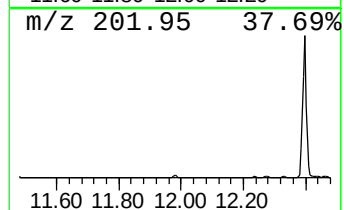
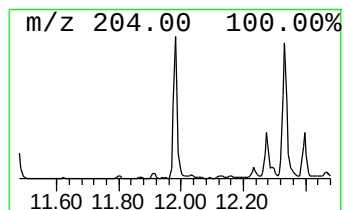
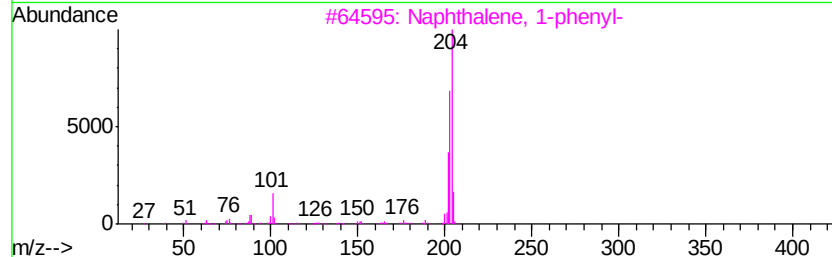
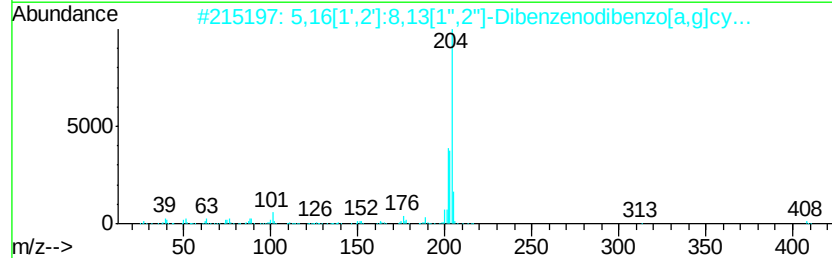
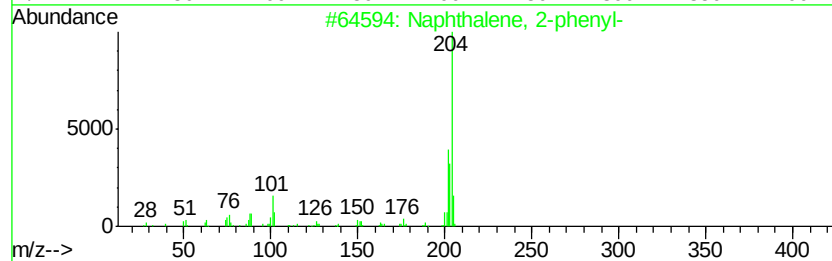
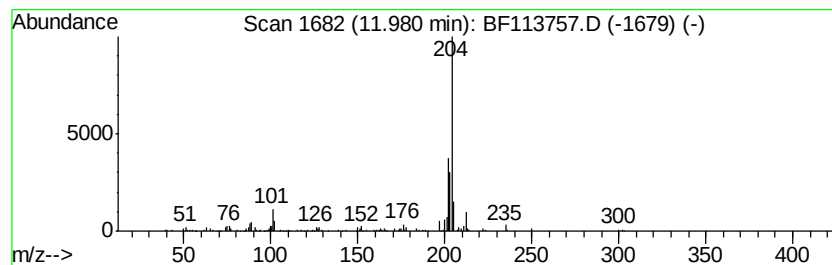
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.93 ng	130350	Phenanthrene-d10	11.19
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-phenyl-	204 C16H12	000612-94-2 94
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408 C32H24	005672-97-9 80
3		Naphthalene, 1-phenyl-	204 C16H12	000605-02-7 78
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204 C16H12	006572-60-7 76
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204 C14H8N2	004341-02-0 50



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
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Sample : K2196-03 5X
Misc :
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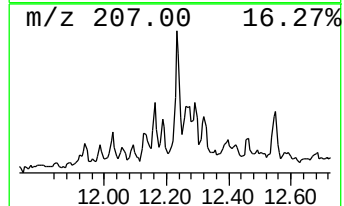
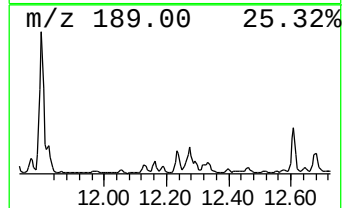
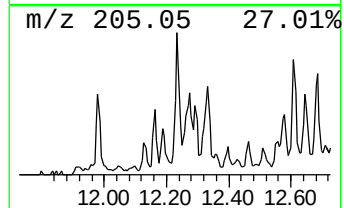
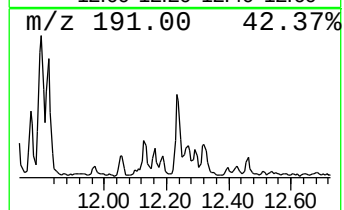
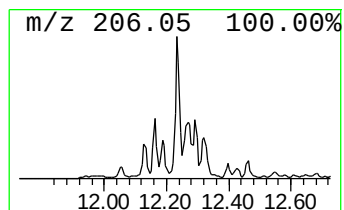
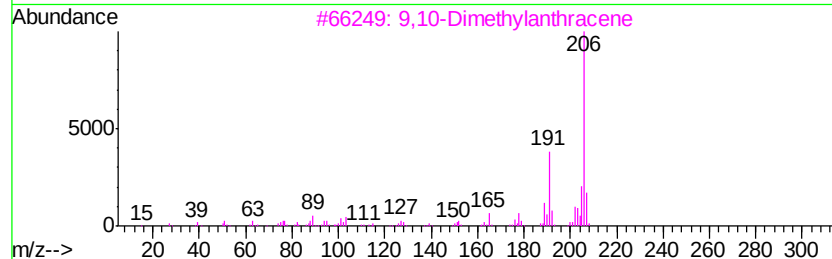
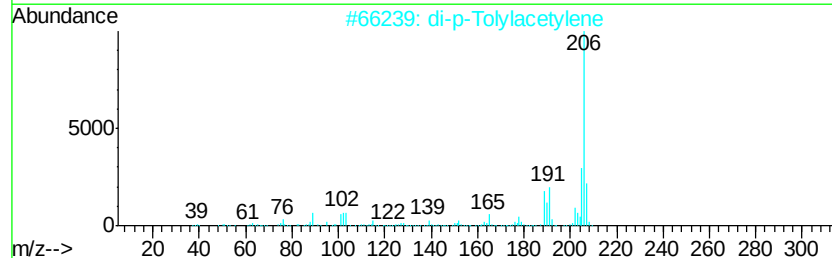
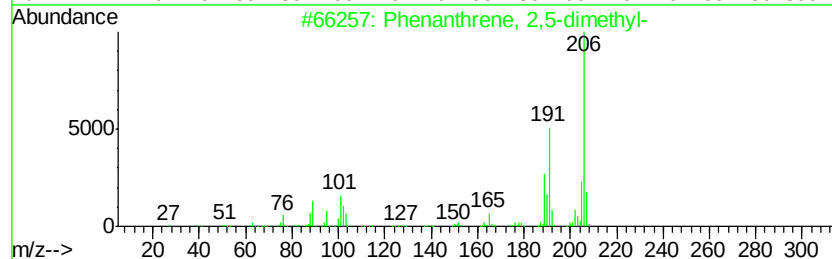
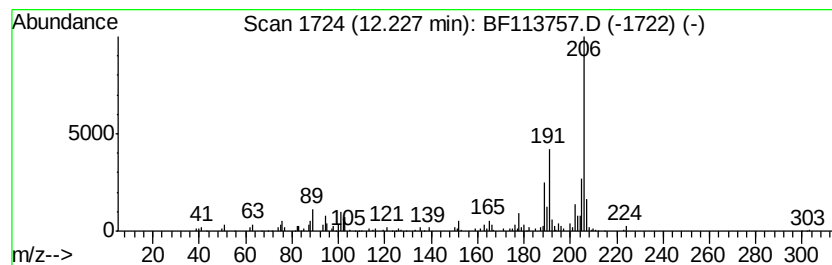
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.23	4.45 ng	198069	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	9,10-Dimethylantracene	206	C16H14	000781-43-1	94
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113757.D
Acq On : 13 Apr 2019 00:21
Operator : JU/SJ
Sample : K2196-03 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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HD-02-041119

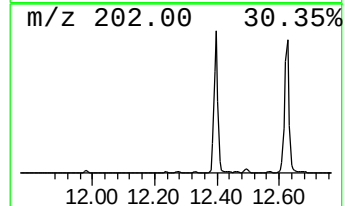
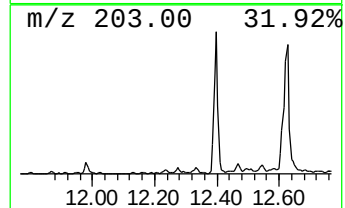
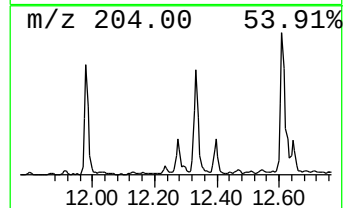
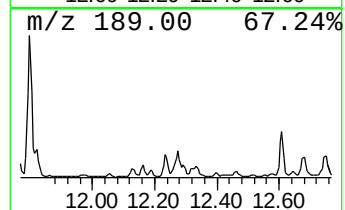
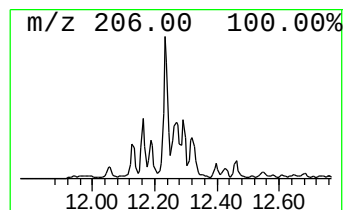
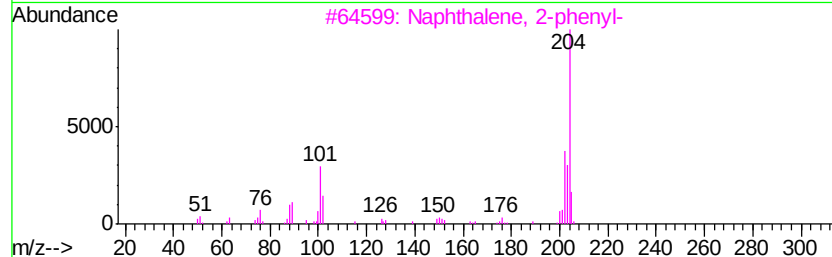
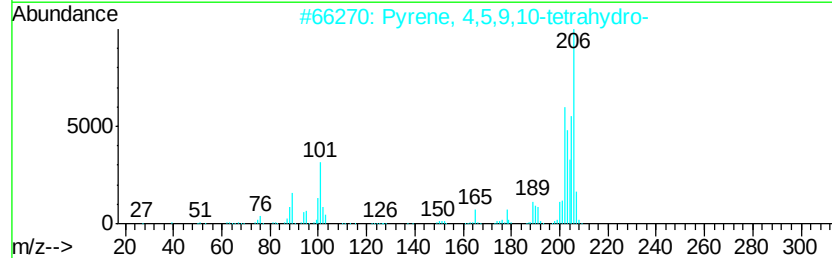
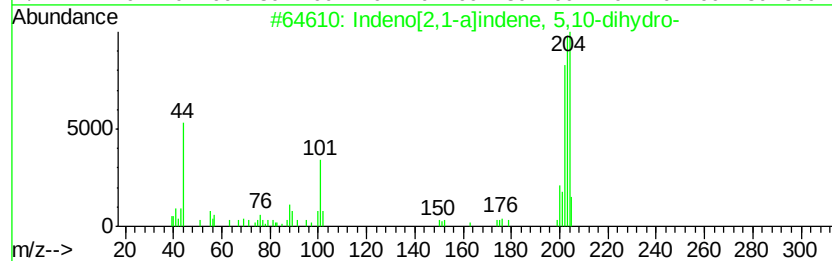
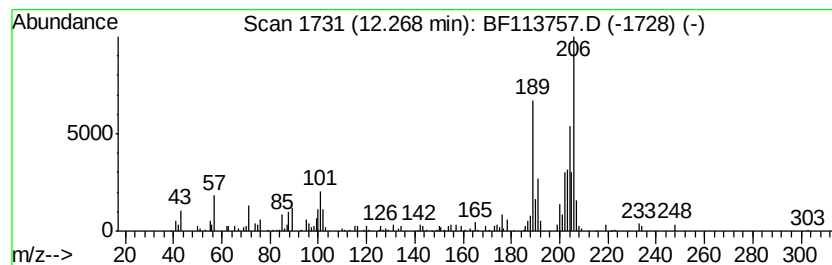
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Indeno[2,1-a]indene, 5,10-d... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	3.52 ng	156654	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	53
2		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
4		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113757.D
Acq On : 13 Apr 2019 00:21
Operator : JU/SJ
Sample : K2196-03 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-041119

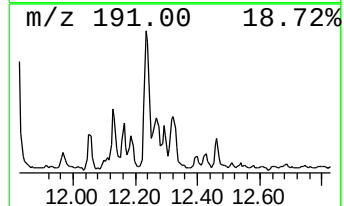
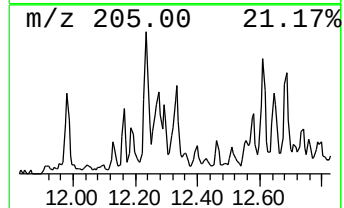
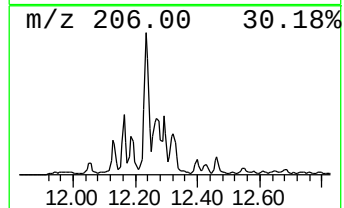
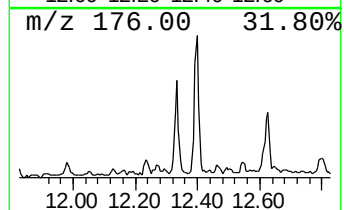
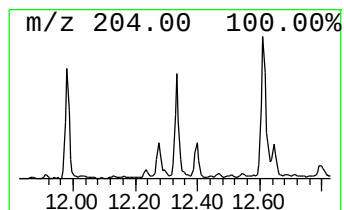
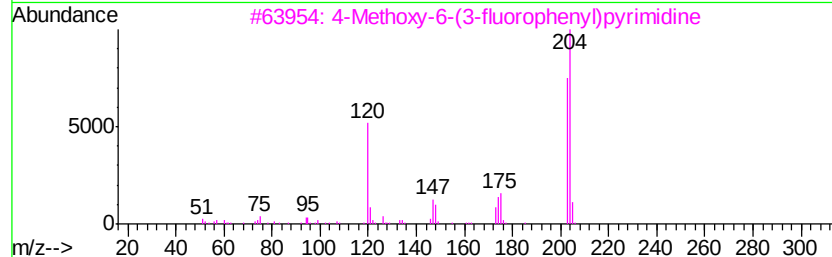
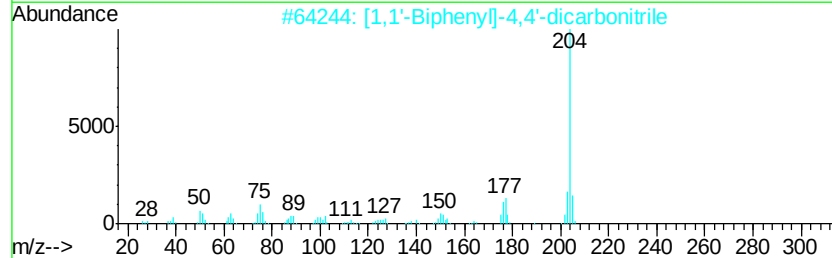
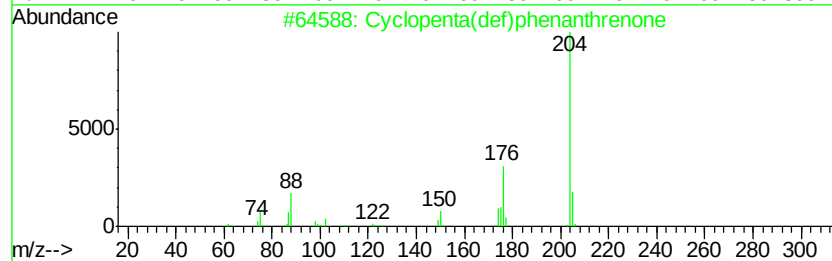
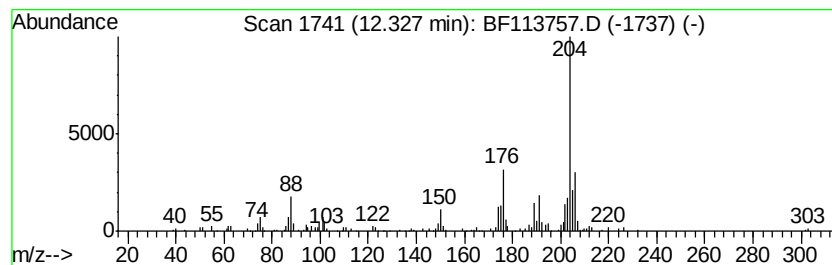
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	3.31 ng	147279	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3		4-Methoxy-6-(3-fluorophenyl)pyri...	204	C11H9FN2O	076128-74-0	52
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5		Dihydropyranno(3,2-H)homochroman	204	C13H16O2	057052-82-1	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
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Operator : JU/SJ
Sample : K2196-03 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

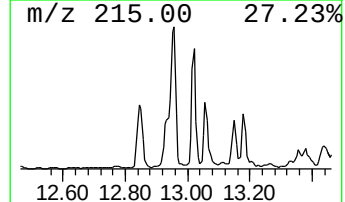
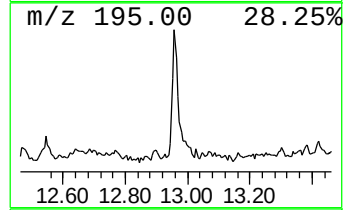
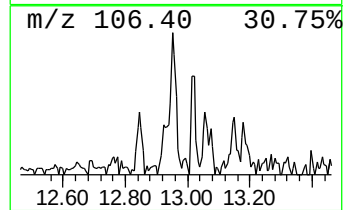
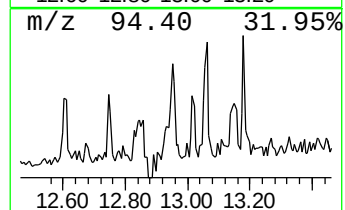
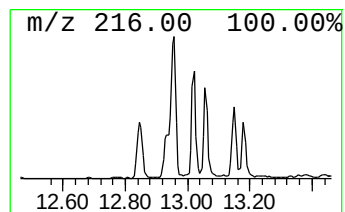
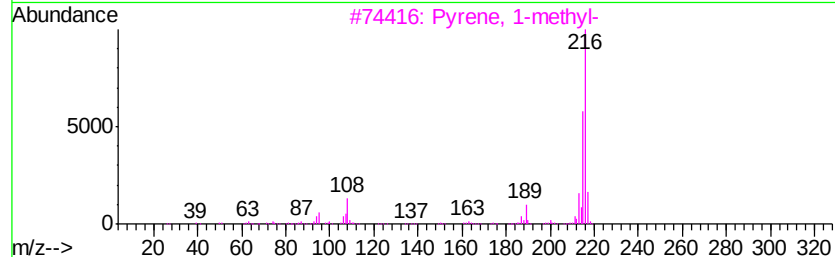
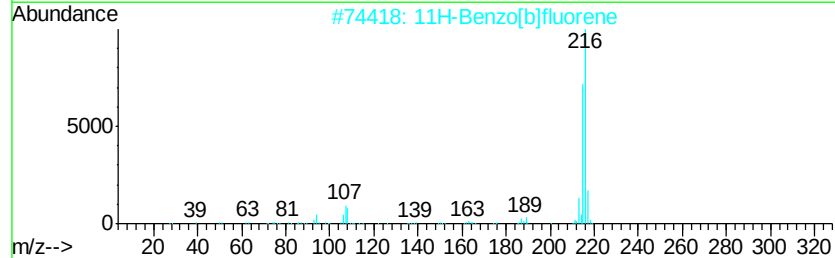
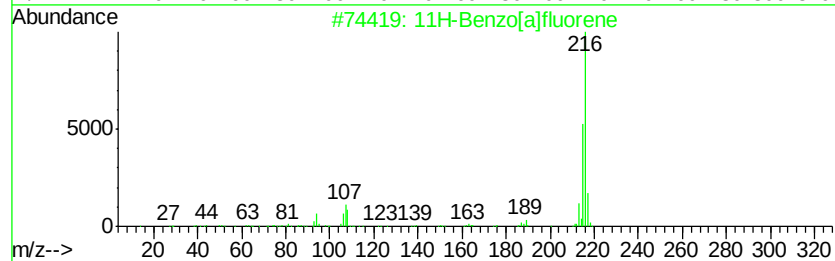
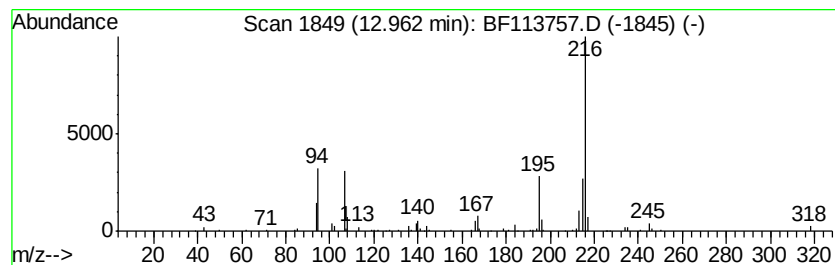
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	3.00 ng	394143	Chrysene-d12	13.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 93
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 90
3		Pyrene, 1-methyl-	216 C17H12	002381-21-7 87
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 74
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113757.D
Acq On : 13 Apr 2019 00:21
Operator : JU/SJ
Sample : K2196-03 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-02-041119

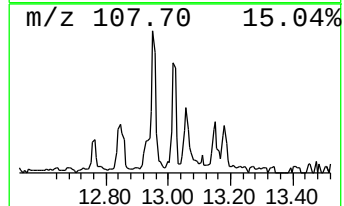
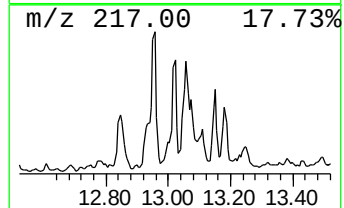
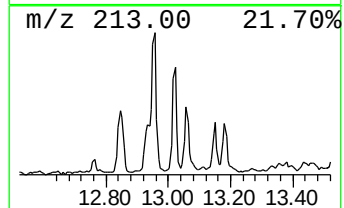
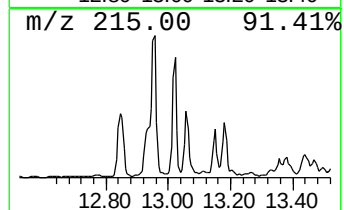
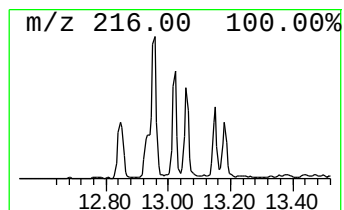
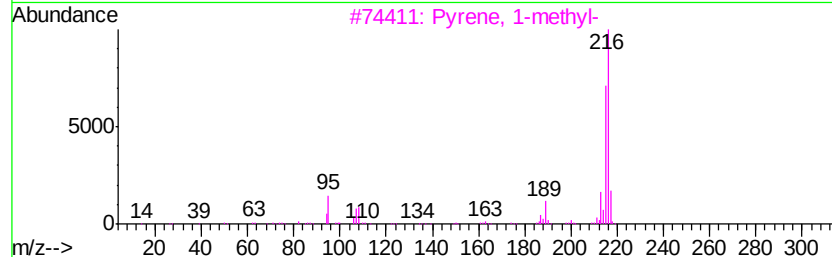
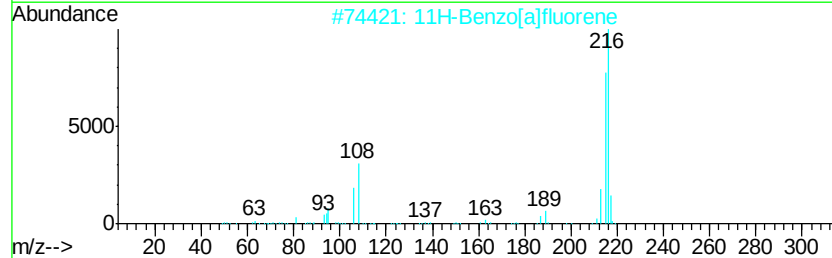
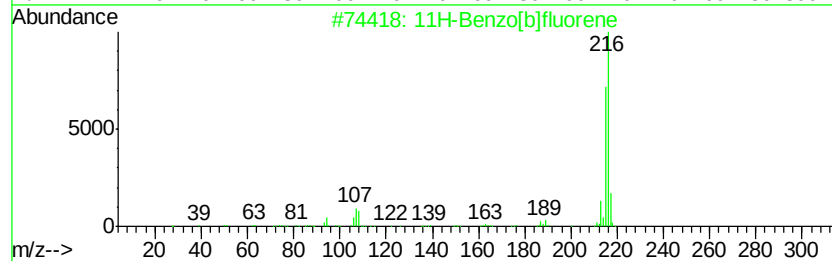
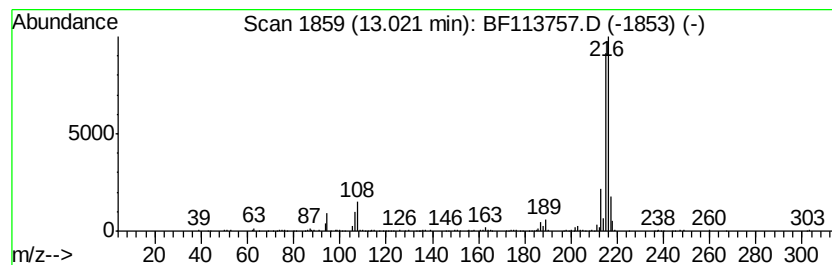
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	2.49 ng	327470	Chrysene-d12	13.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5		Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
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Operator : JU/SJ
Sample : K2196-03 5X
Misc :
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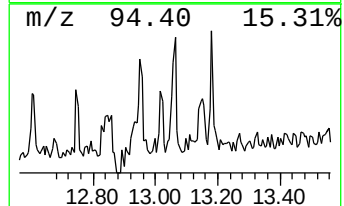
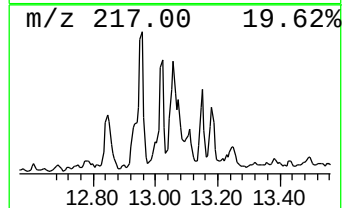
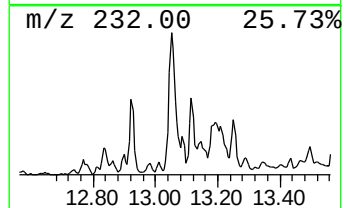
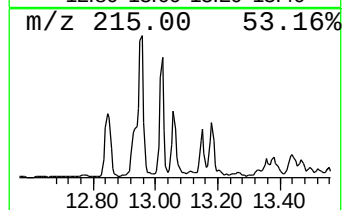
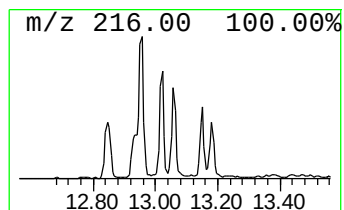
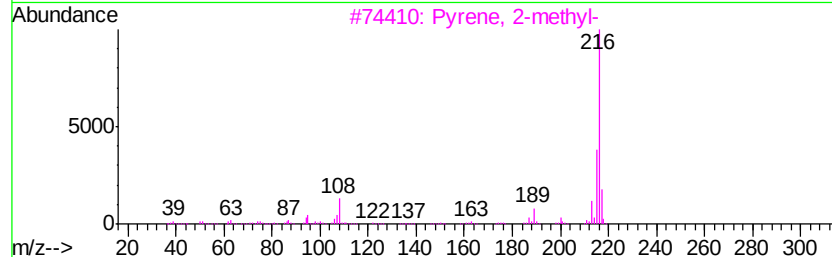
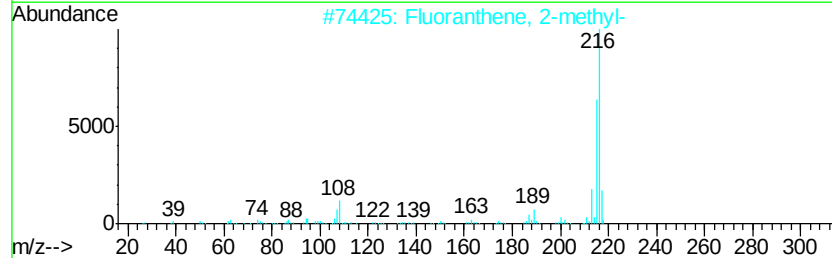
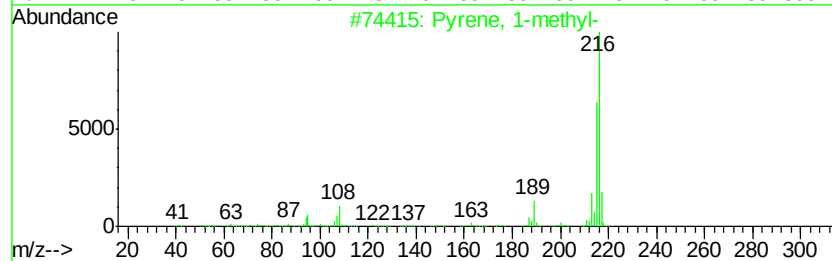
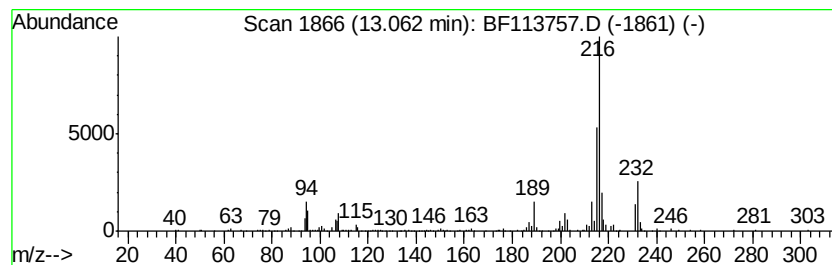
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.06	2.98 ng	390877	Chrysene-d12		13.82	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4		Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113757.D
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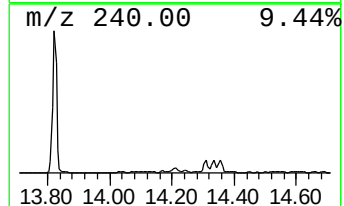
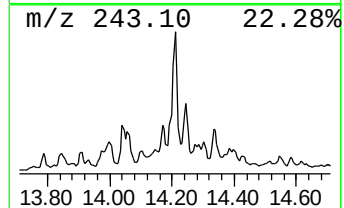
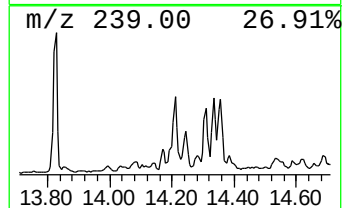
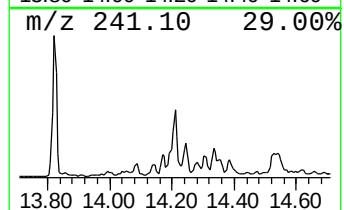
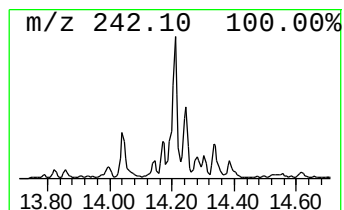
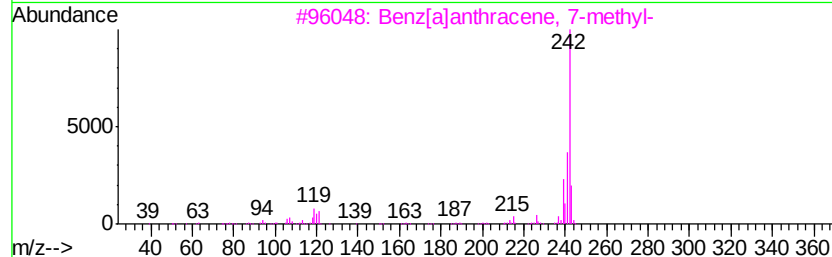
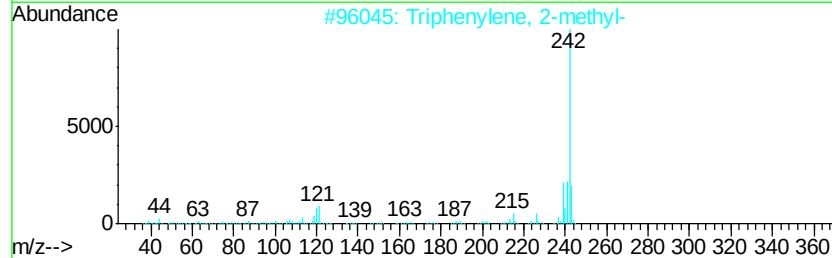
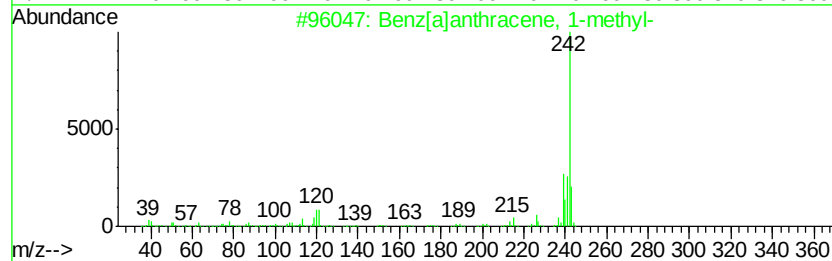
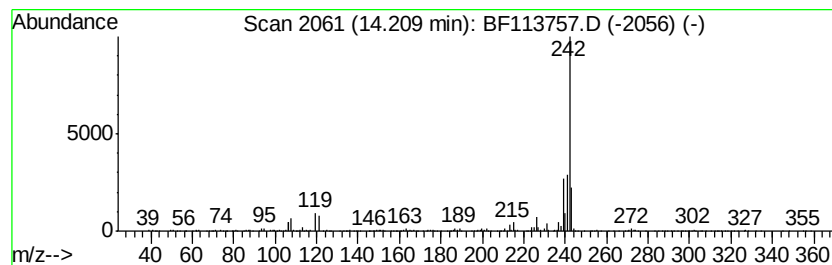
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benz[a]anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	3.16 ng	414518	Chrysene-d12	13.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
2			Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
4			Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
5			Chrysene, 5-methyl-	242	C19H14	003697-24-3	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
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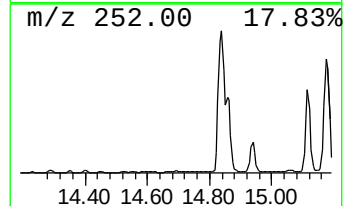
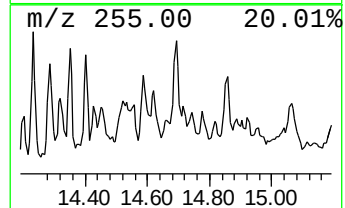
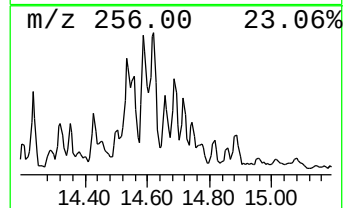
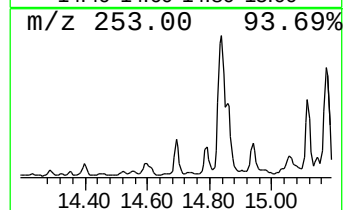
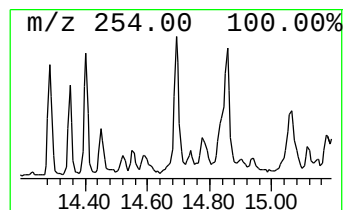
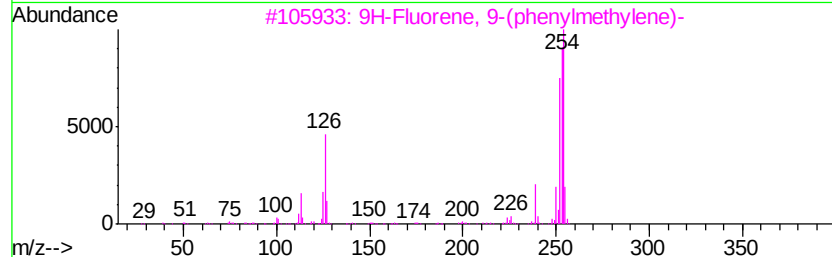
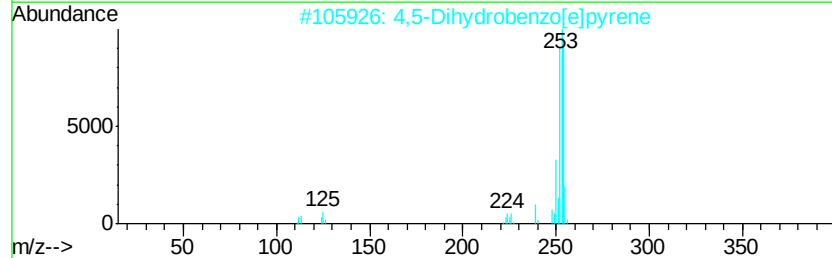
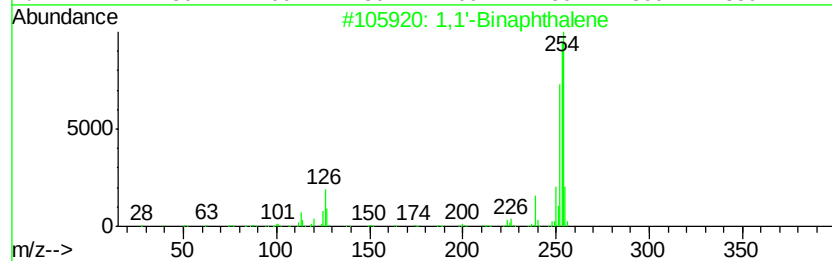
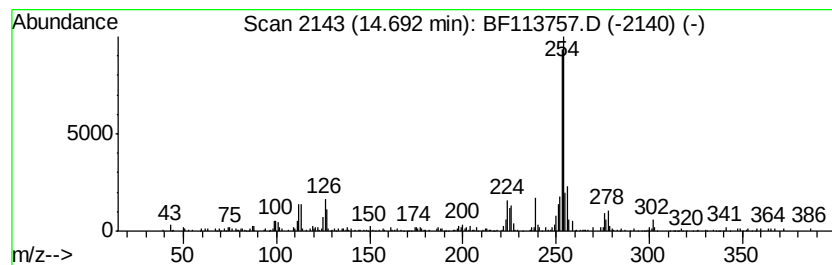
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,1'-Binaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	3.81 ng	163021	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	89
2		4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	81
3		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	76
4		1,2'-Binaphthalene	254	C20H14	004325-74-0	68
5		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113757.D
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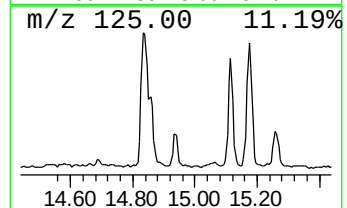
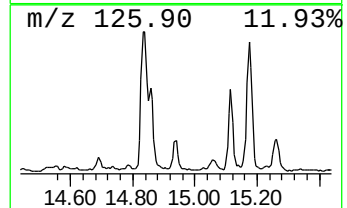
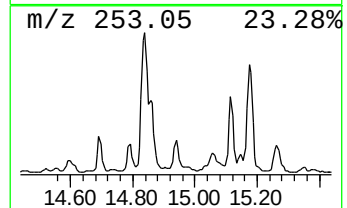
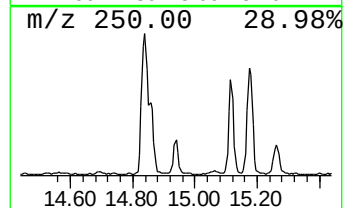
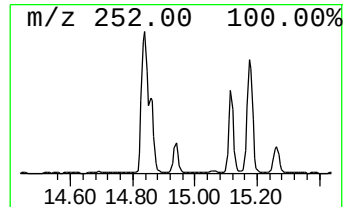
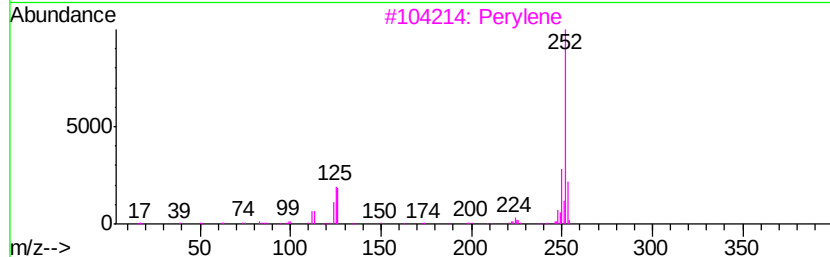
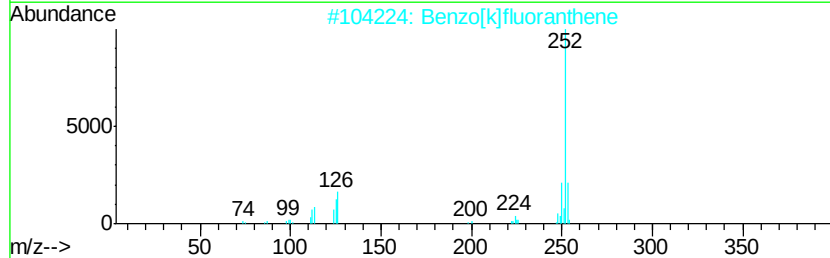
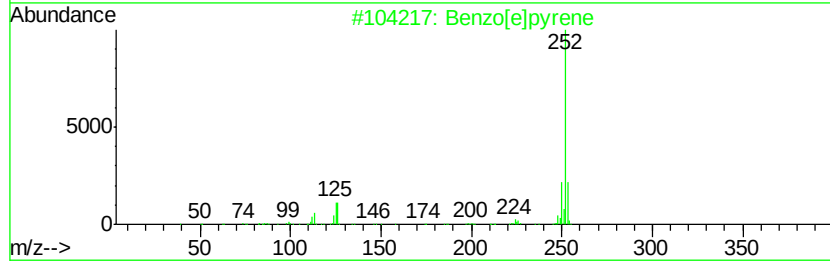
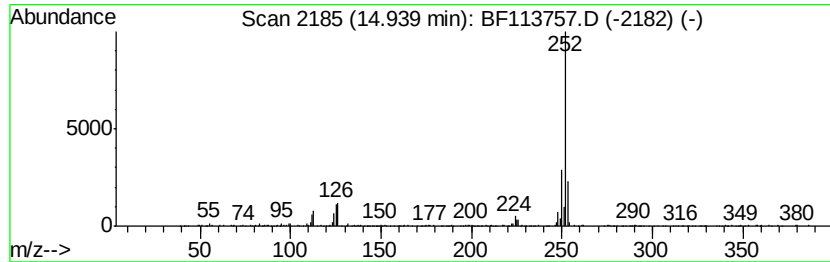
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	5.46 ng	233356	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Perylene	252	C20H12	000198-55-0	95
4		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113757.D
Acq On : 13 Apr 2019 00:21
Operator : JU/SJ
Sample : K2196-03 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-041119

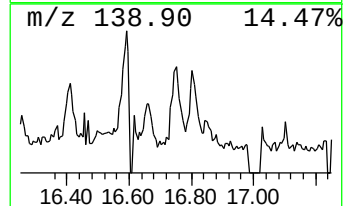
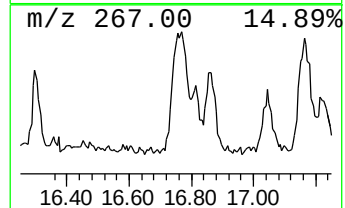
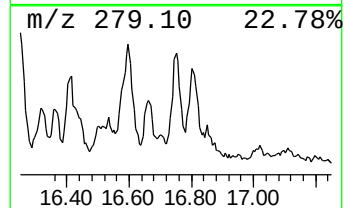
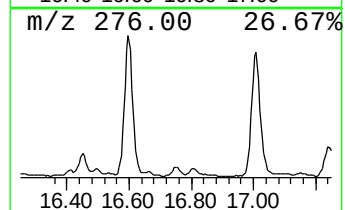
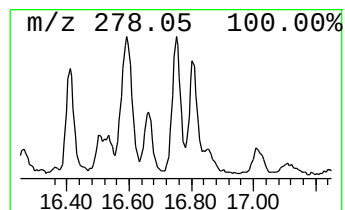
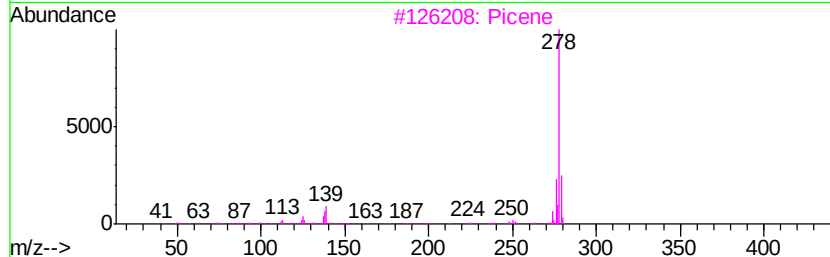
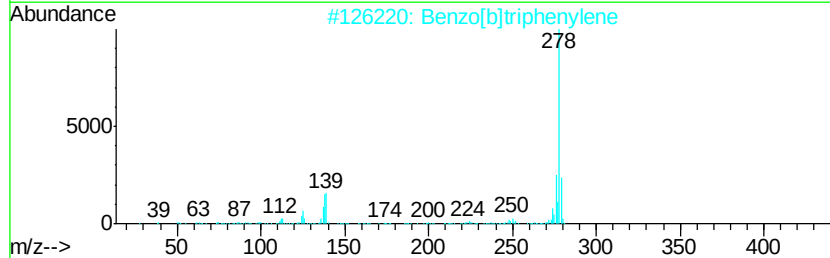
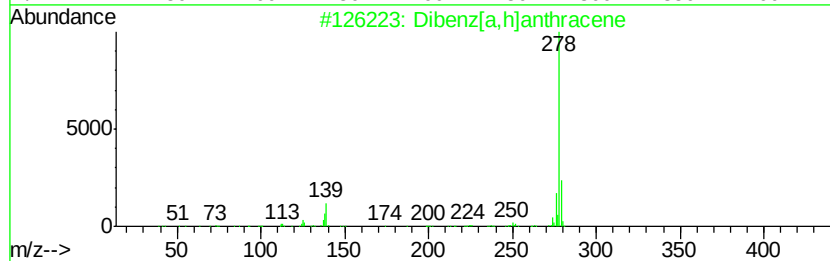
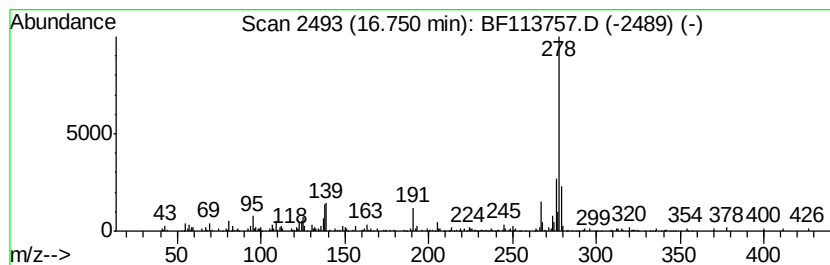
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Picene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	3.64 ng	155710	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	94
3		Picene	278	C22H14	000213-46-7	93
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	89
5		Benzo[b]chrysene	278	C22H14	000214-17-5	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
 Data File : BF113757.D
 Acq On : 13 Apr 2019 00:21
 Operator : JU/SJ
 Sample : K2196-03 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-041119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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
unknown6.46	6.46	13.3	ng	427728	1	6.67	641748	20.0
5H-Indeno[1,2-b]p...	11.43	2.7	ng	121389	4	11.19	890661	20.0
Phenanthrene, 2-m...	11.69	4.6	ng	206790	4	11.19	890661	20.0
Anthracene, 2-met...	11.72	6.1	ng	269760	4	11.19	890661	20.0
Anthracene, 1-met...	11.76	2.6	ng	115020	4	11.19	890661	20.0
4H-Cyclopenta[def...	11.80	9.0	ng	399286	4	11.19	890661	20.0
1H-Cyclopropa[l]p...	11.82	3.5	ng	156809	4	11.19	890661	20.0
Naphthalene, 2-ph...	11.98	2.9	ng	130350	4	11.19	890661	20.0
Phenanthrene, 2,5...	12.23	4.5	ng	198069	4	11.19	890661	20.0
Indeno[2,1-a]inde...	12.27	3.5	ng	156654	4	11.19	890661	20.0
Cyclopenta(def)ph...	12.33	3.3	ng	147279	4	11.19	890661	20.0
11H-Benzo[a]fluorene	12.96	3.0	ng	394143	5	13.82	2627670	20.0
11H-Benzo[b]fluorene	13.02	2.5	ng	327470	5	13.82	2627670	20.0
Pyrene, 1-methyl-	13.06	3.0	ng	390877	5	13.82	2627670	20.0
Benz[a]anthracene...	14.21	3.2	ng	414518	5	13.82	2627670	20.0
1,1'-Binaphthalene	14.69	3.8	ng	163021	6	15.23	855148	20.0
Benzo[e]pyrene	14.94	5.5	ng	233356	6	15.23	855148	20.0
Picene	16.75	3.6	ng	155710	6	15.23	855148	20.0