

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF043019\
 Data File : BF114047.D
 Acq On : 30 Apr 2019 17:30
 Operator : JU/SJ
 Sample : K2194-09 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-042919-E

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-BF042219.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	5.510	579	582	597	rVB	871327	906231	17.94%	1.610%
2	6.516	749	753	771	rVB	1080233	997056	19.74%	1.771%
3	6.663	774	778	781	rBV	1235351	1011924	20.03%	1.797%
4	6.893	813	817	825	rVB	769638	617705	12.23%	1.097%
5	7.051	840	844	847	rBV	904602	787037	15.58%	1.398%
6	7.445	903	911	917	rBV	617685	563788	11.16%	1.001%
7	8.175	1029	1035	1037	rBV	875826	802654	15.89%	1.426%
8	8.198	1037	1039	1043	rVB	743888	591566	11.71%	1.051%
9	8.886	1153	1156	1162	rBV	821835	655033	12.97%	1.163%
10	8.986	1169	1173	1178	rBV	627934	511981	10.13%	0.909%
11	9.245	1213	1217	1223	rBV	1374899	1110610	21.99%	1.973%
12	9.345	1232	1234	1238	rVB	129543	114600	2.27%	0.204%
13	9.445	1249	1251	1256	rVB	121189	122560	2.43%	0.218%
14	9.516	1258	1263	1267	rVV	241830	334845	6.63%	0.595%
15	9.586	1271	1275	1278	rVV	389626	406511	8.05%	0.722%
16	9.616	1278	1280	1282	rVV	246628	215581	4.27%	0.383%
17	9.639	1282	1284	1288	rVV2	148635	182054	3.60%	0.323%
18	9.704	1292	1295	1300	rVB	197302	212051	4.20%	0.377%
19	9.786	1307	1309	1314	rVB	151722	135910	2.69%	0.241%
20	9.863	1317	1322	1324	rVB	102739	96670	1.91%	0.172%
21	9.910	1326	1330	1331	rBV	140669	152218	3.01%	0.270%
22	9.928	1331	1333	1336	rVV	932235	772780	15.30%	1.373%
23	9.963	1336	1339	1342	rVB	561767	466661	9.24%	0.829%
24	10.033	1348	1351	1355	rBV2	86100	102197	2.02%	0.182%
25	10.086	1356	1360	1362	rVV2	55909	78022	1.54%	0.139%
26	10.133	1364	1368	1372	rVV	299290	325570	6.44%	0.578%
27	10.169	1372	1374	1381	rVV3	121720	156179	3.09%	0.277%
28	10.245	1384	1387	1390	rBV	115138	120323	2.38%	0.214%
29	10.275	1390	1392	1394	rVB	98355	73022	1.45%	0.130%
30	10.339	1399	1403	1404	rBV2	71411	84321	1.67%	0.150%
31	10.357	1404	1406	1409	rVB2	226603	186088	3.68%	0.331%
32	10.428	1415	1418	1420	rVB2	81531	75364	1.49%	0.134%
33	10.475	1422	1426	1432	rVV	847568	799074	15.82%	1.419%
34	10.528	1432	1435	1436	rVV2	75555	78245	1.55%	0.139%

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.563	1439	1441	1443	rVV	168249	166361	3.29%	0.295%
36	10.581	1443	1444	1447	rVV2	124655	124869	2.47%	0.222%
37	10.633	1450	1453	1456	rVB	135197	142107	2.81%	0.252%
38	10.716	1462	1467	1471	rBV	815220	776159	15.36%	1.379%
39	10.833	1484	1487	1494	rVB2	279105	366454	7.25%	0.651%
40	11.022	1514	1519	1522	rBV	253598	299326	5.93%	0.532%
41	11.051	1522	1524	1527	rVV2	176782	169866	3.36%	0.302%
42	11.104	1531	1533	1537	rVV	138585	137355	2.72%	0.244%
43	11.151	1537	1541	1543	rVV3	69374	107470	2.13%	0.191%
44	11.175	1543	1545	1549	rVV2	100111	98034	1.94%	0.174%
45	11.280	1557	1563	1565	rVV2	299748	334568	6.62%	0.594%
46	11.310	1565	1568	1573	rVB	430653	411310	8.14%	0.731%
47	11.416	1582	1586	1588	rBV	912352	925571	18.32%	1.644%
48	11.445	1588	1591	1594	rVV	2997906	2699755	53.44%	4.795%
49	11.492	1596	1599	1602	rVV	1028601	831962	16.47%	1.478%
50	11.522	1602	1604	1607	rVB2	84311	90869	1.80%	0.161%
51	11.639	1621	1624	1627	rBV	148991	122977	2.43%	0.218%
52	11.704	1632	1635	1638	rBV	335715	284840	5.64%	0.506%
53	11.745	1640	1642	1648	rVB2	237016	212484	4.21%	0.377%
54	11.804	1648	1652	1655	rBV	1732460	1379603	27.31%	2.450%
55	11.827	1655	1656	1660	rVB	148976	105158	2.08%	0.187%
56	11.916	1668	1671	1673	rBV	735848	645183	12.77%	1.146%
57	11.945	1673	1676	1681	rVV2	1119320	1079983	21.38%	1.918%
58	11.992	1681	1684	1687	rVV	313249	280141	5.55%	0.498%
59	12.027	1687	1690	1693	rVV	922982	1087501	21.53%	1.932%
60	12.051	1693	1694	1698	rVB	535527	316652	6.27%	0.562%
61	12.116	1699	1705	1708	rBV2	264470	291300	5.77%	0.517%
62	12.210	1718	1721	1723	rVV	367289	293926	5.82%	0.522%
63	12.233	1723	1725	1729	rVB2	72845	94979	1.88%	0.169%
64	12.363	1744	1747	1749	rVB	137546	122360	2.42%	0.217%
65	12.392	1749	1752	1754	rBV	191505	166919	3.30%	0.296%
66	12.416	1754	1756	1760	rVB2	109395	93824	1.86%	0.167%
67	12.469	1761	1765	1766	rBV	385939	396714	7.85%	0.705%
68	12.492	1766	1769	1771	rVV	3838723	3969954	78.59%	7.051%
69	12.516	1771	1773	1778	rVB	5204756	5051621	100.00%	8.972%
70	12.598	1784	1787	1789	rBV	1056313	875482	17.33%	1.555%
71	12.633	1789	1793	1795	rBV	2718295	2595387	51.38%	4.610%

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72	12.722	1806	1808	1812	rVB3	157004	144805	2.87%	0.257%
73	12.780	1815	1818	1821	rVB2	129045	136214	2.70%	0.242%
74	12.863	1824	1832	1837	rVB	2470566	3157792	62.51%	5.609%
75	12.998	1849	1855	1857	rBV	1348361	1249766	24.74%	2.220%
76	13.022	1857	1859	1864	rVB4	96383	142574	2.82%	0.253%
77	13.080	1864	1869	1871	rBV2	305527	441760	8.74%	0.785%
78	13.127	1875	1877	1879	rBV2	86205	84028	1.66%	0.149%
79	13.157	1879	1882	1884	rBV4	333117	381595	7.55%	0.678%
80	13.186	1884	1887	1891	rVV	854637	863088	17.09%	1.533%
81	13.227	1891	1894	1895	rVV	203079	177415	3.51%	0.315%
82	13.251	1895	1898	1901	rVV	671255	713332	14.12%	1.267%
83	13.292	1902	1905	1907	rVV	449556	427757	8.47%	0.760%
84	13.316	1907	1909	1912	rVB2	266950	260377	5.15%	0.462%
85	13.380	1918	1920	1923	rVB	262596	210872	4.17%	0.375%
86	13.416	1923	1926	1930	rBV	332901	366617	7.26%	0.651%
87	13.569	1949	1952	1954	rBV	161846	181187	3.59%	0.322%
88	13.669	1966	1969	1971	rBV	127963	179360	3.55%	0.319%
89	13.804	1990	1992	1995	rBV	141018	121751	2.41%	0.216%
90	13.833	1995	1997	1999	rVB	204738	160609	3.18%	0.285%
91	13.857	1999	2001	2005	rBV2	143089	194843	3.86%	0.346%
92	14.051	2030	2034	2037	rBV3	1364057	1857334	36.77%	3.299%
93	14.080	2037	2039	2047	rVB	984719	1035700	20.50%	1.840%
94	14.163	2051	2053	2057	rVB	206970	157122	3.11%	0.279%
95	14.445	2099	2101	2104	rVB	245166	228296	4.52%	0.405%
96	14.527	2113	2115	2117	rBV3	163552	156790	3.10%	0.278%
97	15.116	2211	2215	2218	rBV	479894	771918	15.28%	1.371%
98	15.421	2264	2267	2273	rVB	355665	425979	8.43%	0.757%
99	15.480	2274	2277	2284	rVB	461058	607160	12.02%	1.078%
100	15.545	2285	2288	2291	rBV	357287	470673	9.32%	0.836%

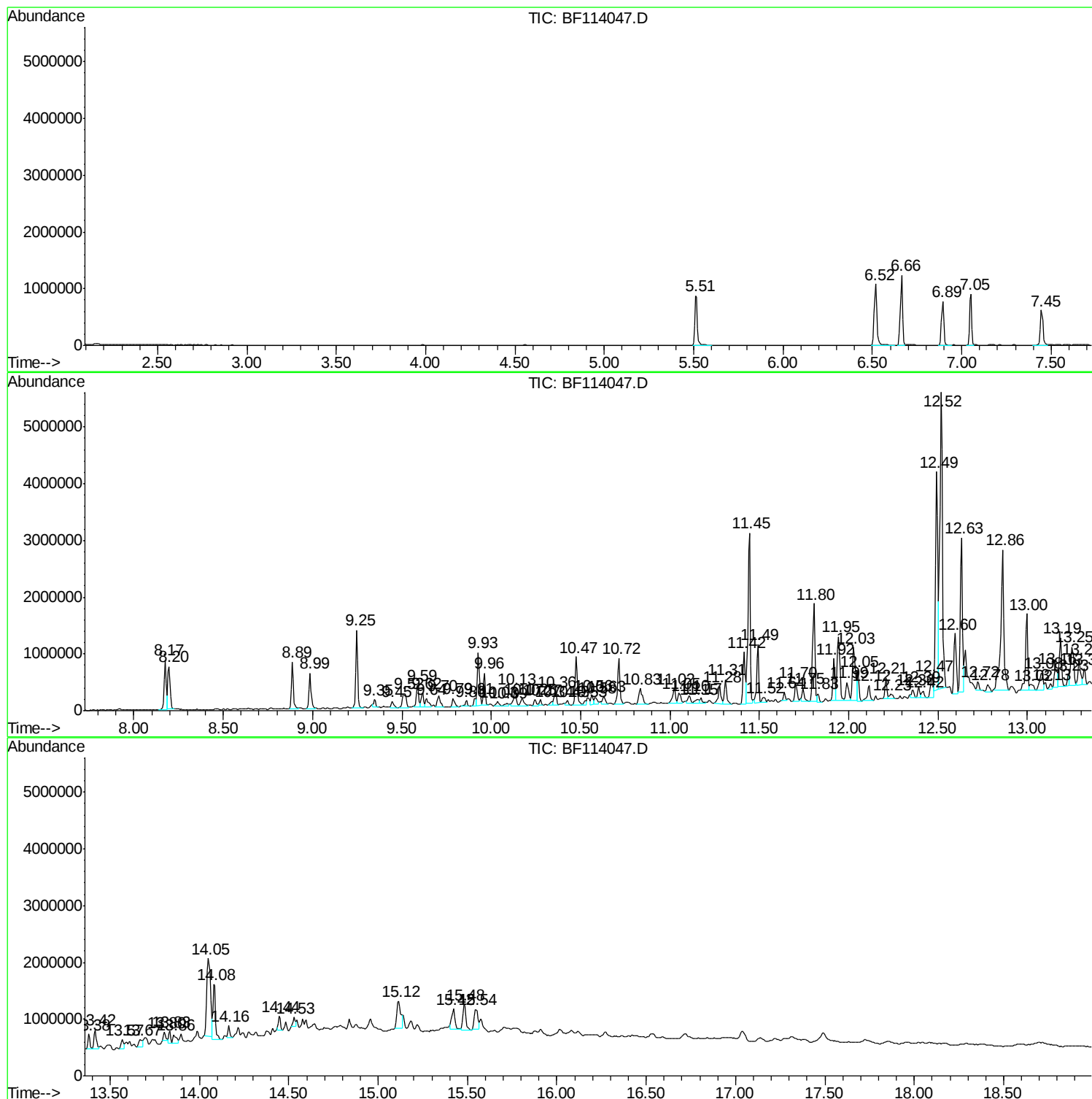
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Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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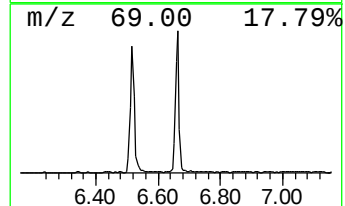
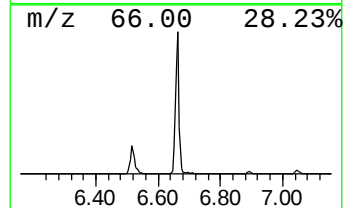
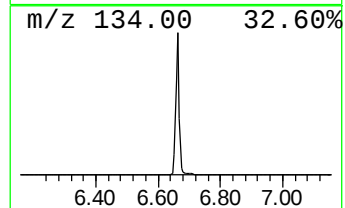
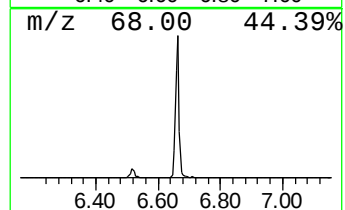
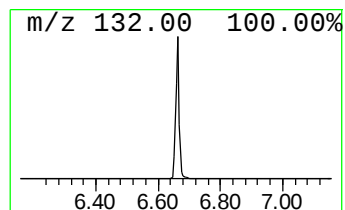
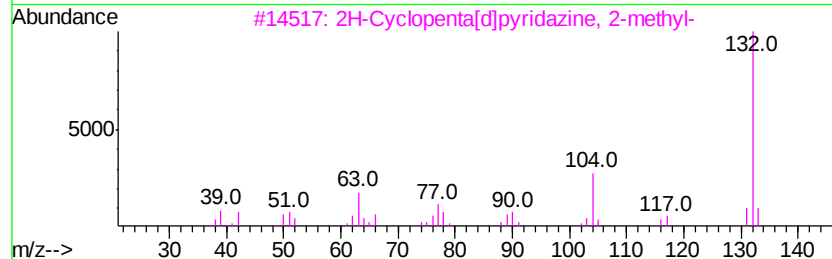
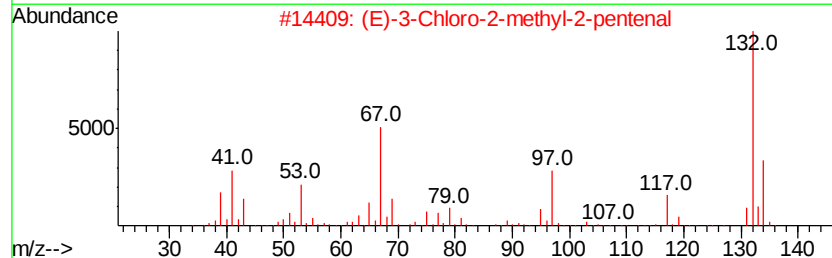
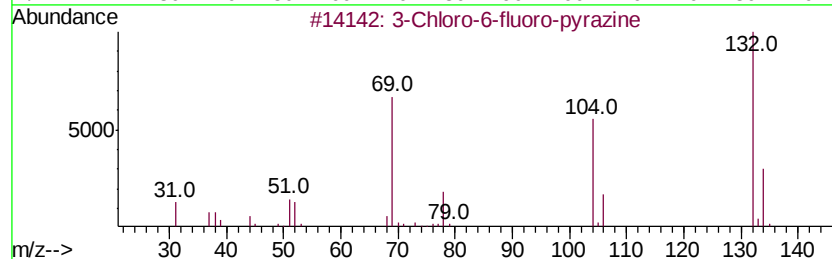
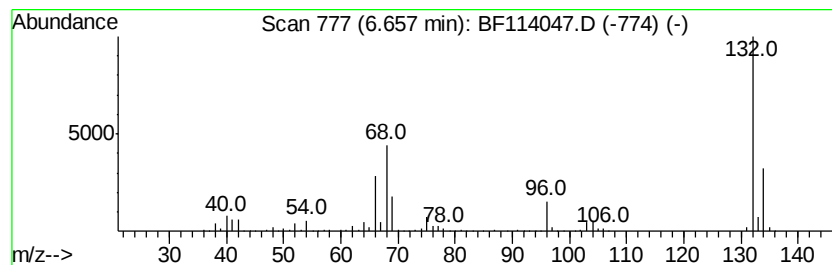
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.66 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	32.76 ng	1011920	1,4-Dichlorobenzene-d4	6.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine			132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal			132	C6H9ClO	031357-76-3	16
3	2H-Cyclopenta[d]pyridazine, 2-me...			132	C8H8N2	022291-85-6	9
4	Xenon			132	Xe	007440-63-3	9
5	5-Fluoro-2-chloropyrimidine			132	C4H2ClFN2	062802-42-0	9



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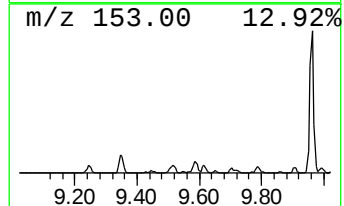
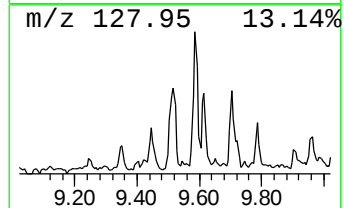
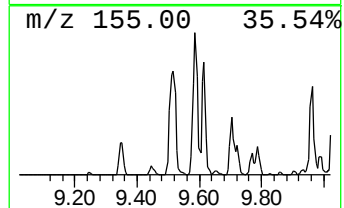
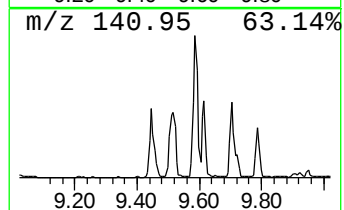
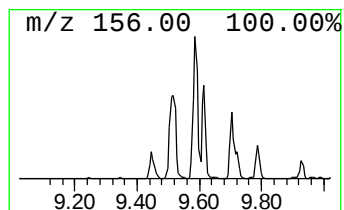
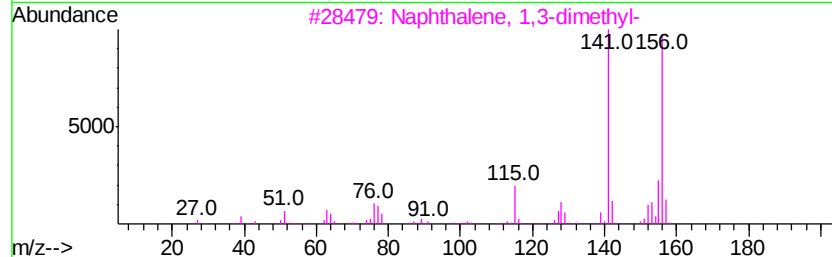
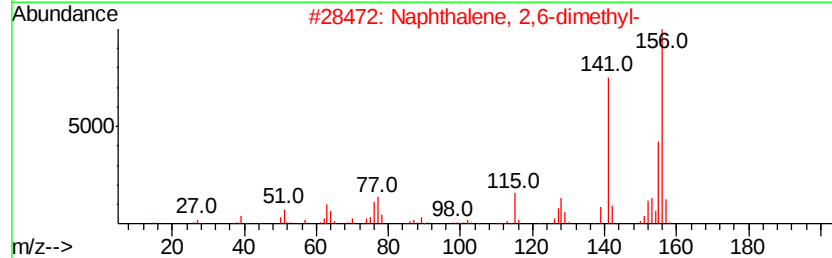
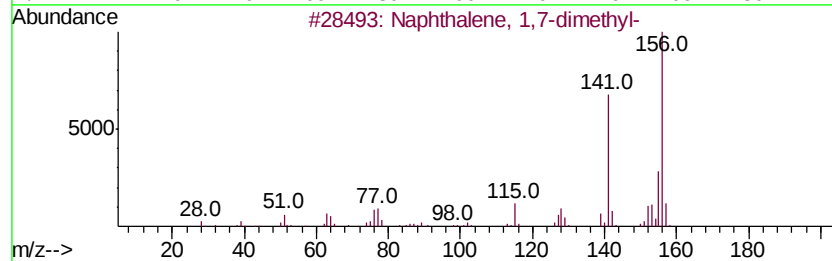
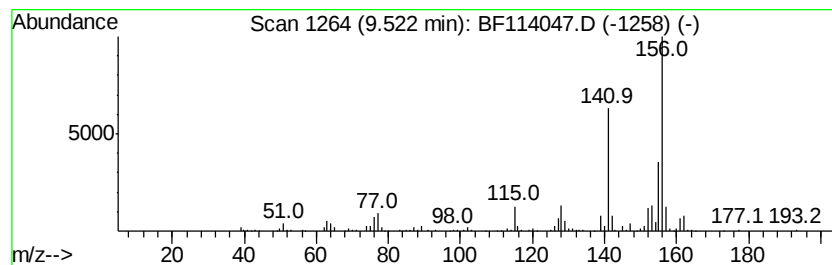
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Peak Number 3 Naphthalene, 1,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	8.67 ng	334845	Acenaphthene-d10	9.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



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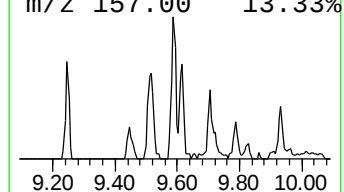
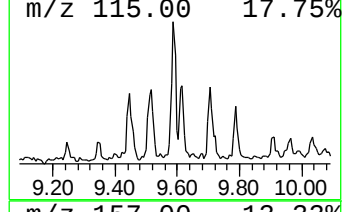
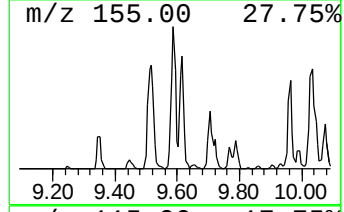
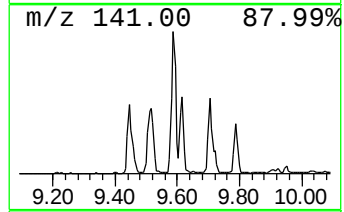
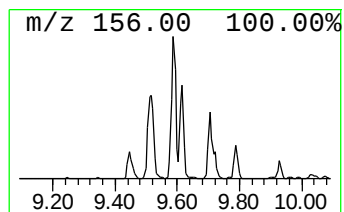
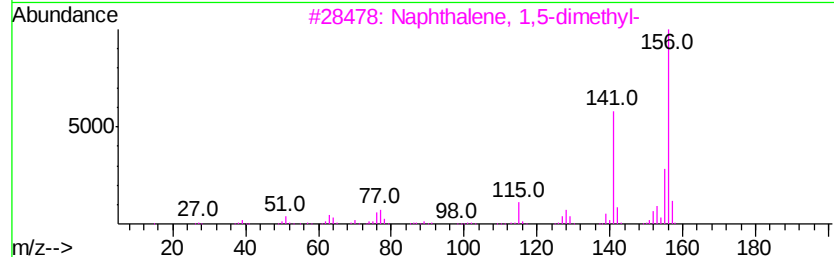
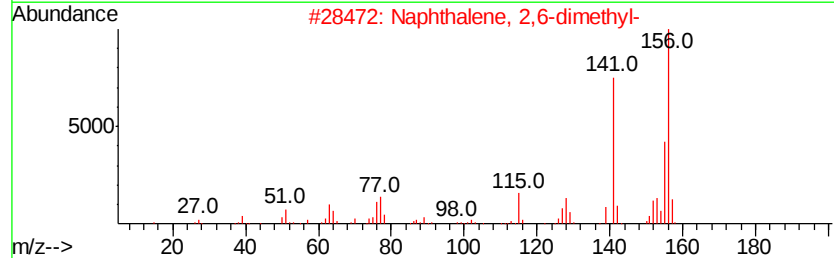
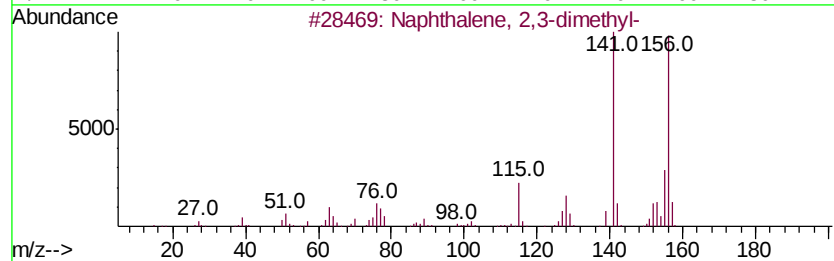
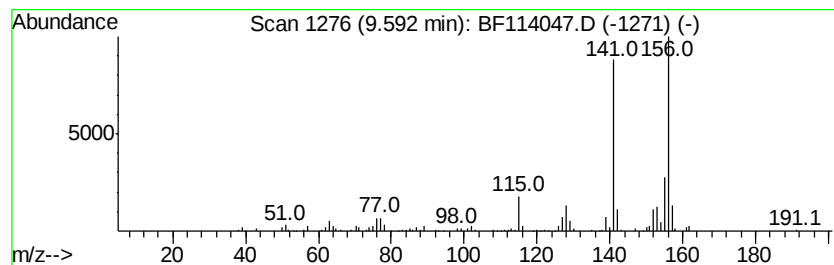
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
9.59	10.52 ng	406511	Acenaphthene-d10		9.93	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
Data File : BF114047.D
Acq On : 30 Apr 2019 17:30
Operator : JU/SJ
Sample : K2194-09 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-03-042919-E

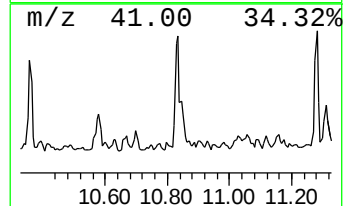
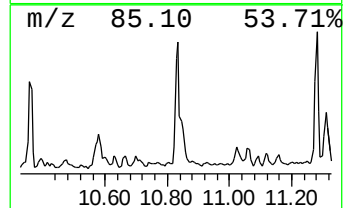
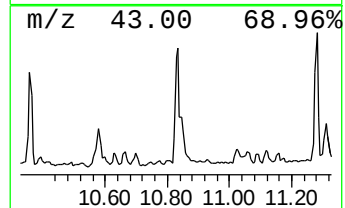
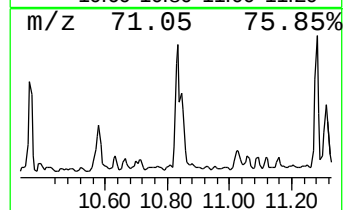
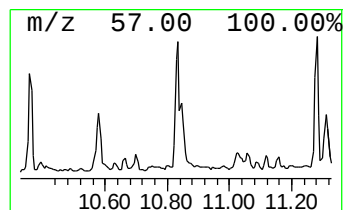
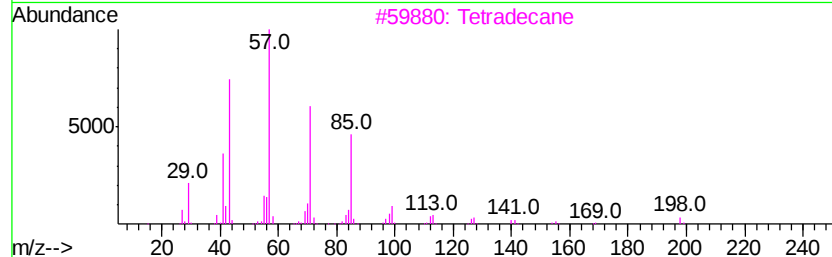
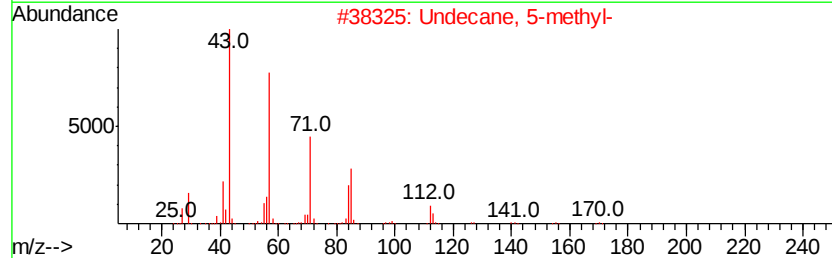
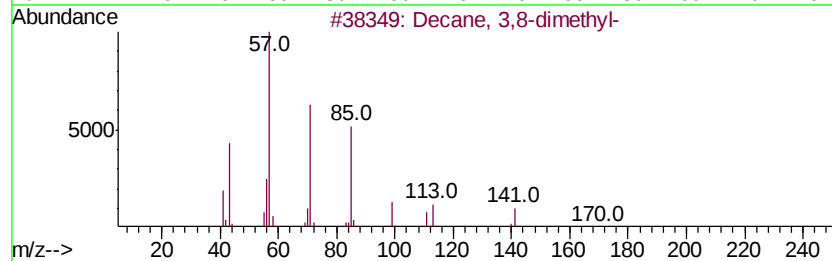
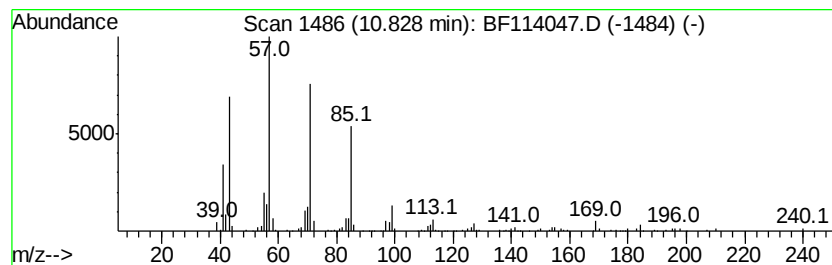
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Decane, 3,8-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	7.92 ng	366454	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	86
2		Undecane, 5-methyl-	170	C12H26	001632-70-8	83
3		Tetradecane	198	C14H30	000629-59-4	83
4		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5		Heneicosane	296	C21H44	000629-94-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
Data File : BF114047.D
Acq On : 30 Apr 2019 17:30
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Sample : K2194-09 2X
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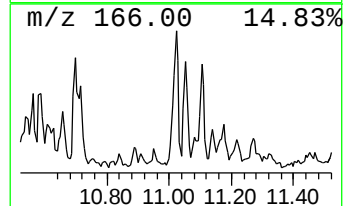
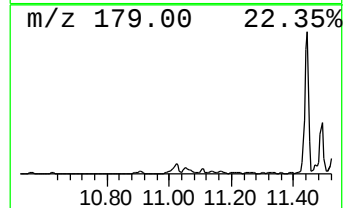
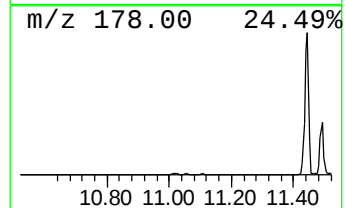
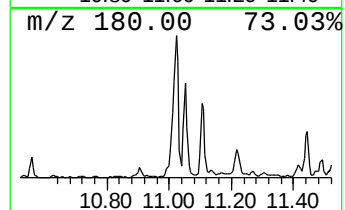
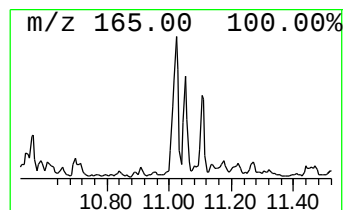
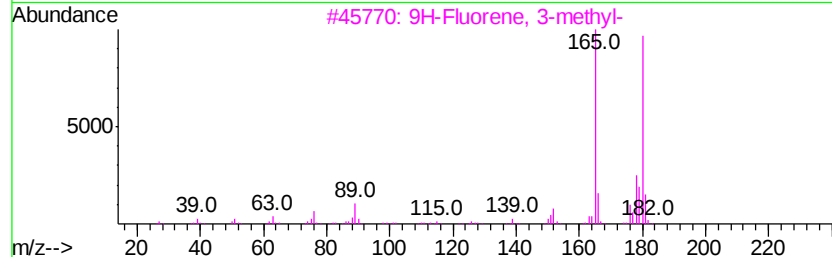
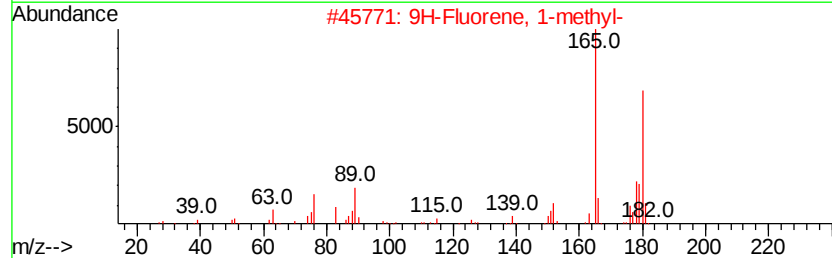
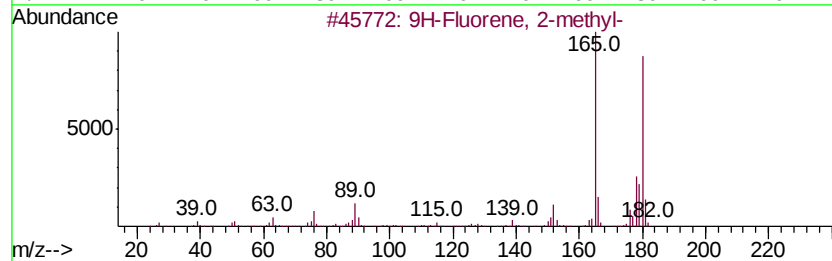
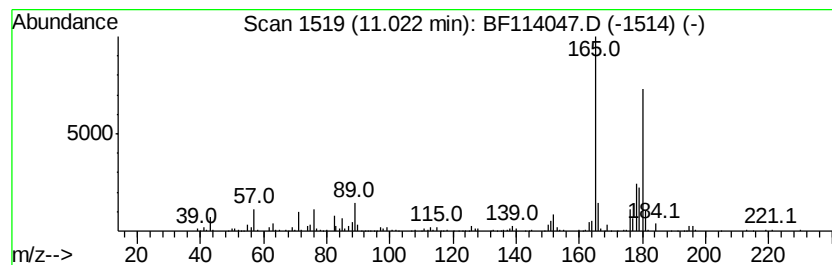
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	6.47 ng	299326	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
Data File : BF114047.D
Acq On : 30 Apr 2019 17:30
Operator : JU/SJ
Sample : K2194-09 2X
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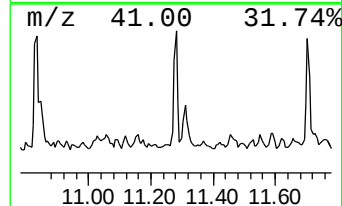
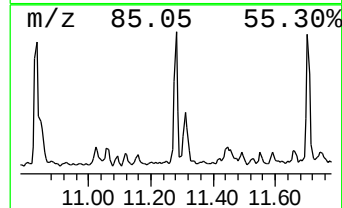
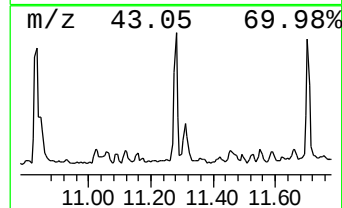
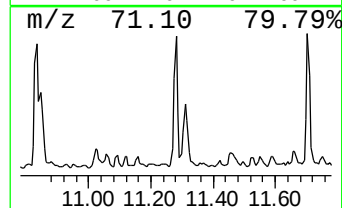
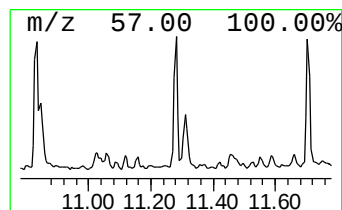
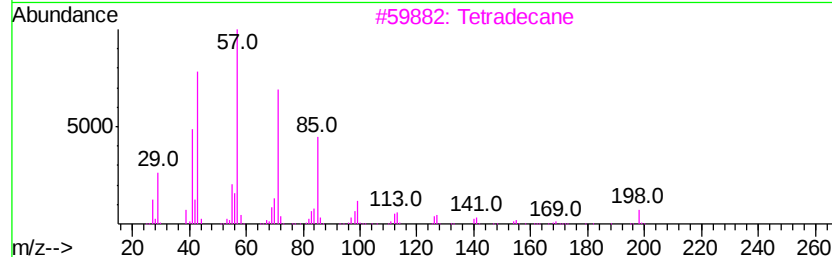
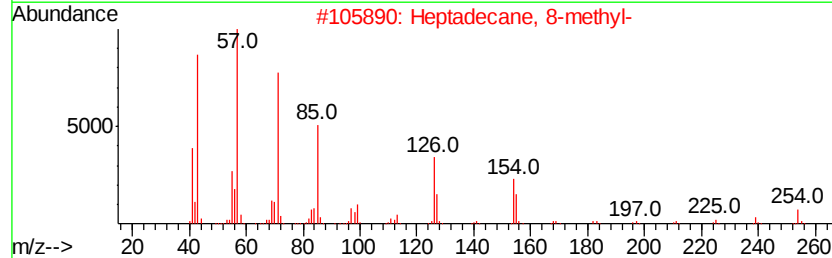
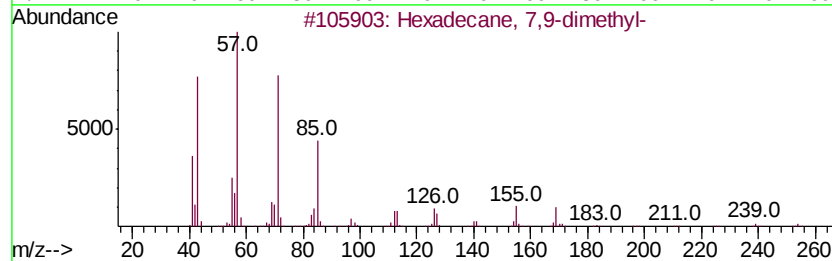
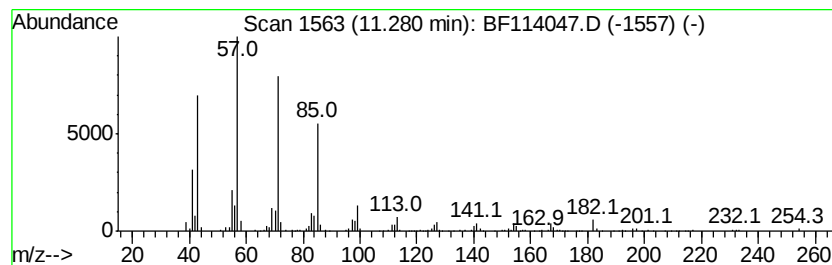
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecane, 7,9-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.28	7.23 ng	334568	Phenanthrene-d10		11.42
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	81
2	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	80
3	Tetradecane	198	C14H30	000629-59-4	80
4	Octacosane	394	C28H58	000630-02-4	68
5	Heptacosane	380	C27H56	000593-49-7	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
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Sample : K2194-09 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

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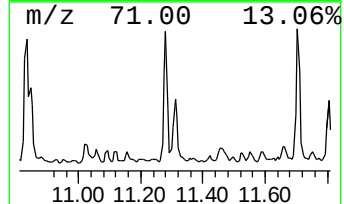
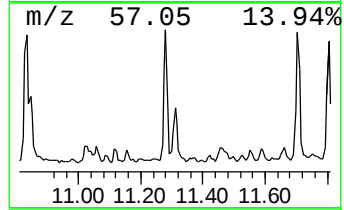
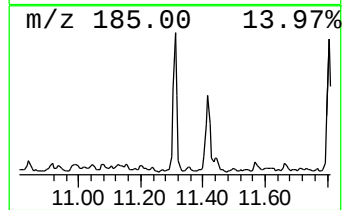
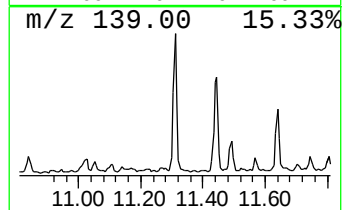
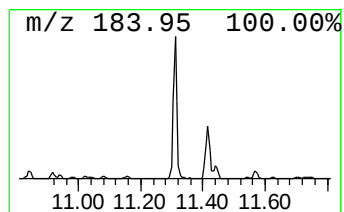
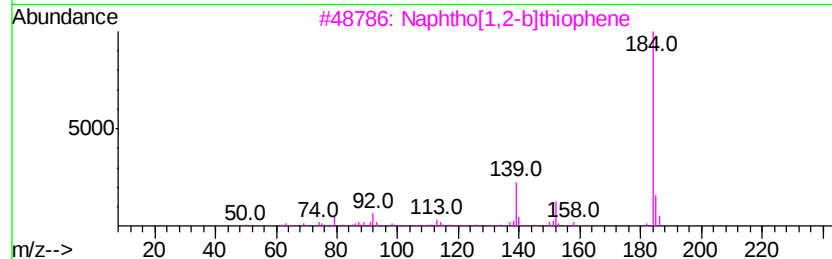
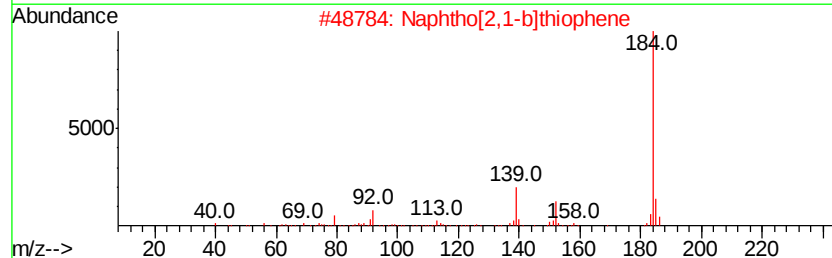
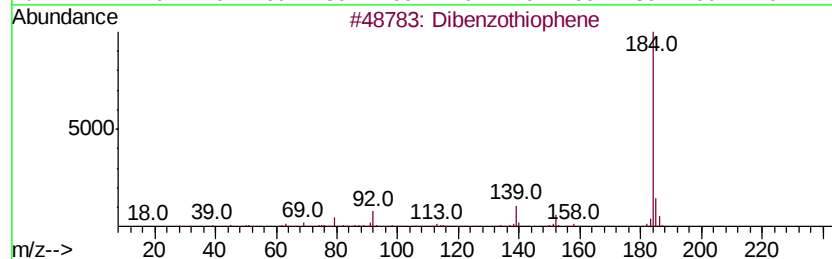
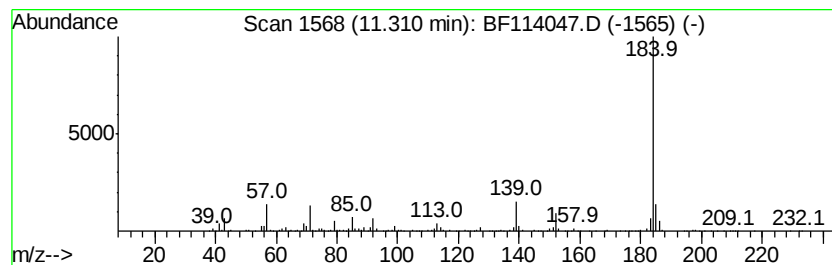
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	8.89 ng	411310	Phenanthrene-d10	11.42

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	95
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
Data File : BF114047.D
Acq On : 30 Apr 2019 17:30
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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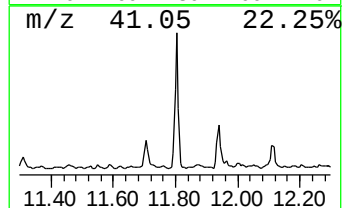
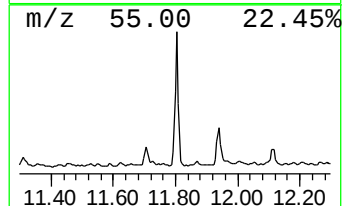
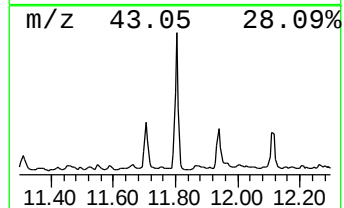
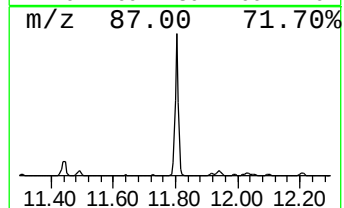
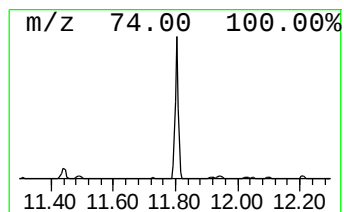
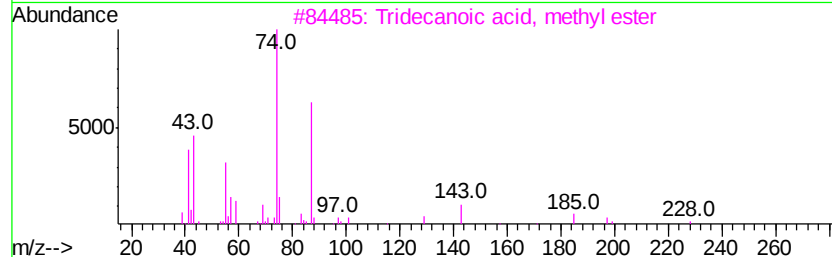
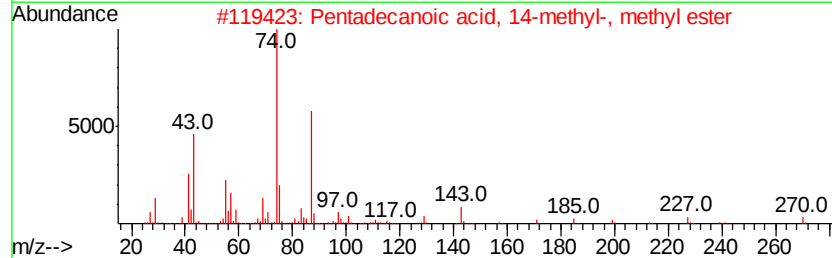
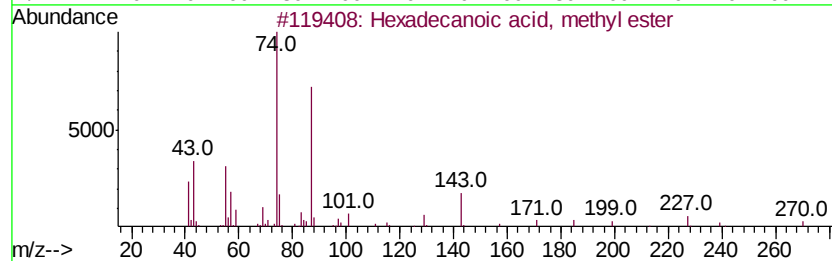
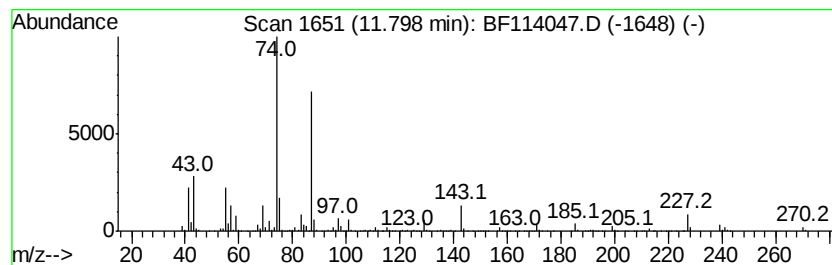
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	29.81 ng	1379600	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	92
3		Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	87
4		Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	86
5		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86



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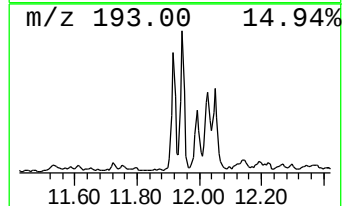
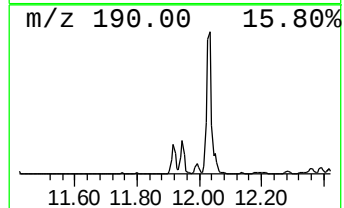
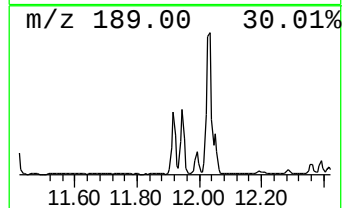
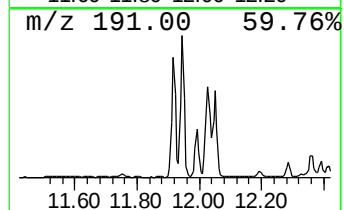
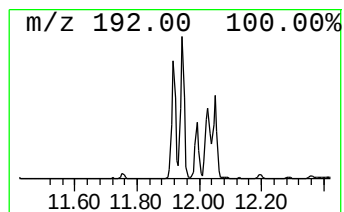
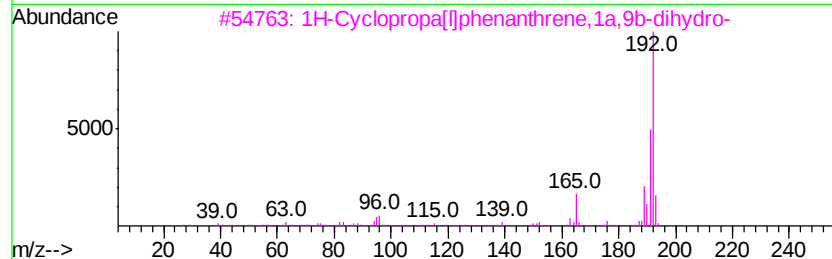
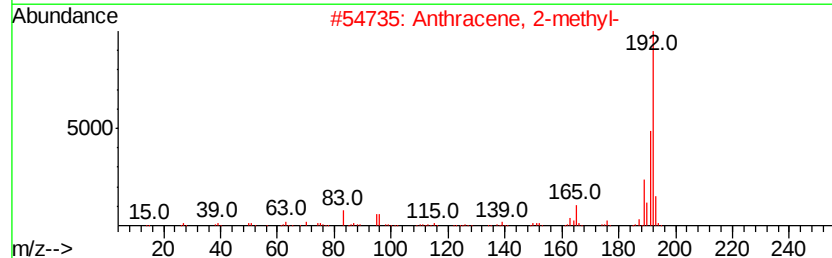
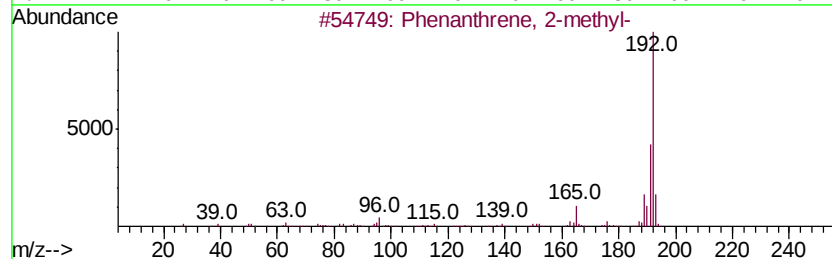
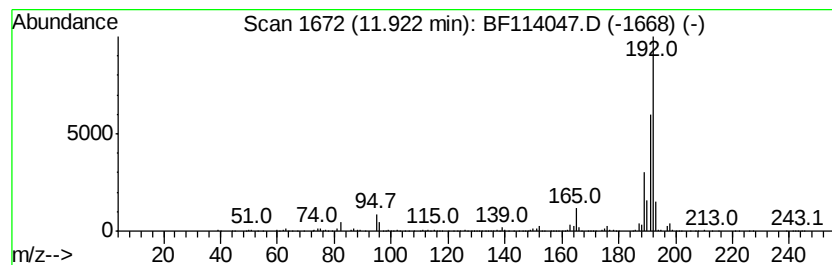
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.92	13.94 ng	645183	Phenanthrene-d10	11.42	
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	96
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



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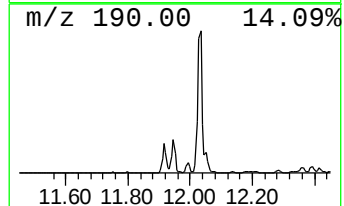
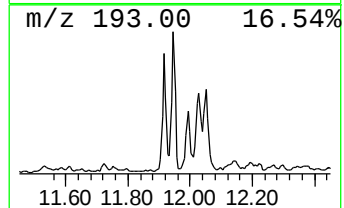
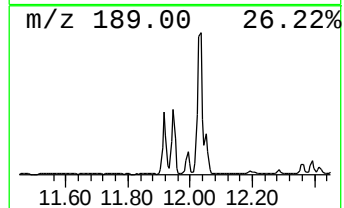
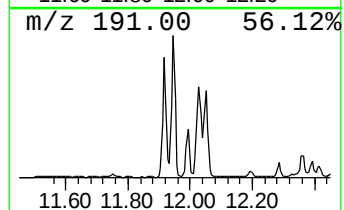
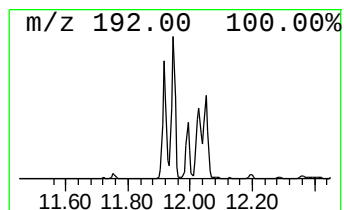
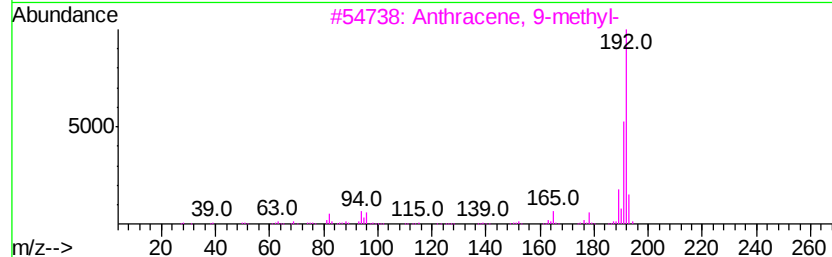
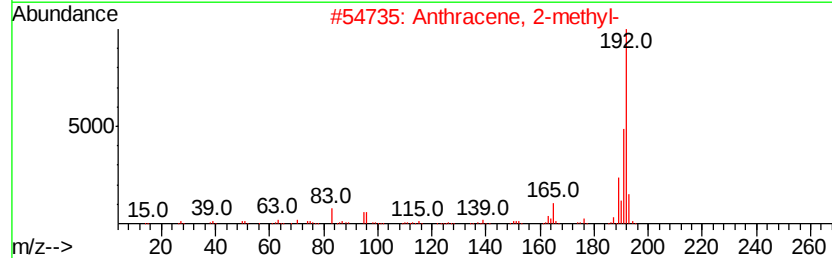
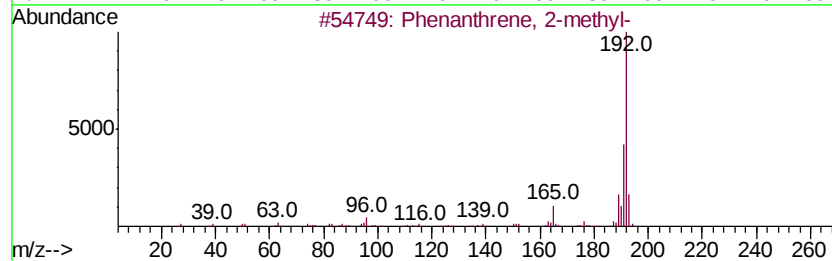
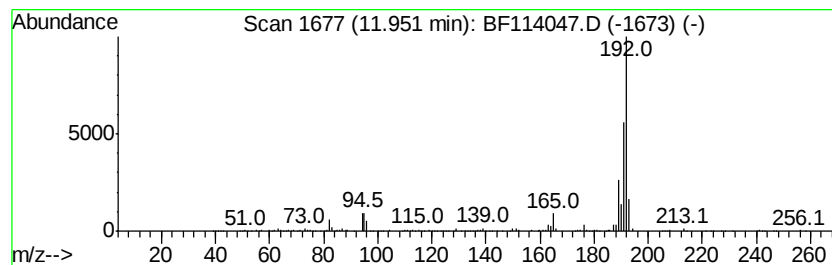
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	23.34 ng	1079980	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
Data File : BF114047.D
Acq On : 30 Apr 2019 17:30
Operator : JU/SJ
Sample : K2194-09 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

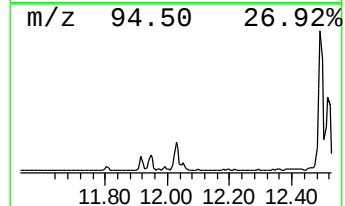
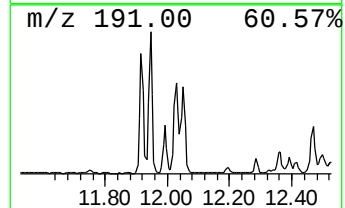
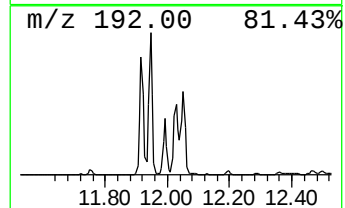
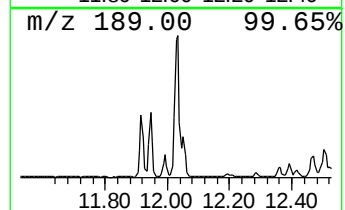
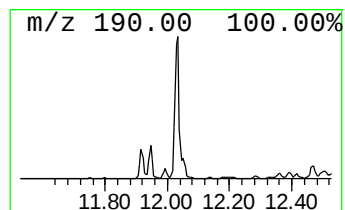
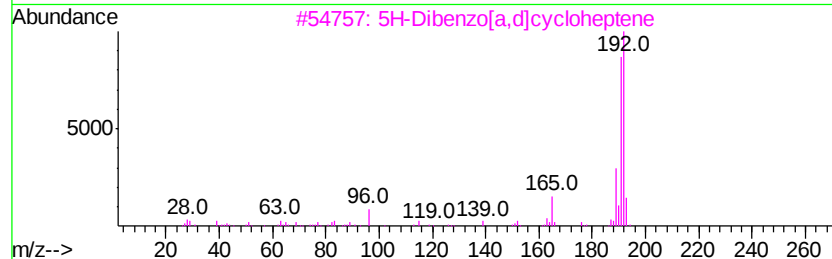
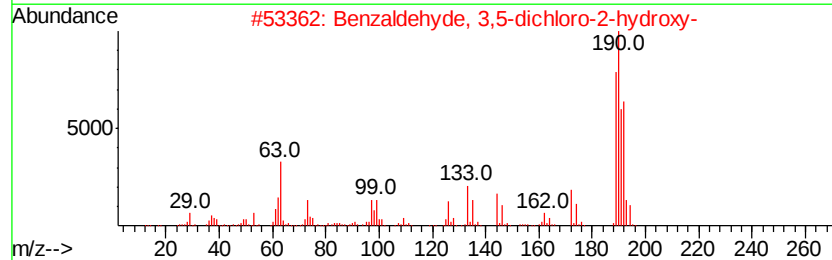
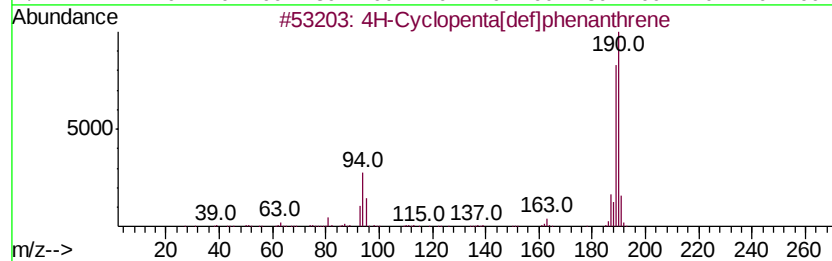
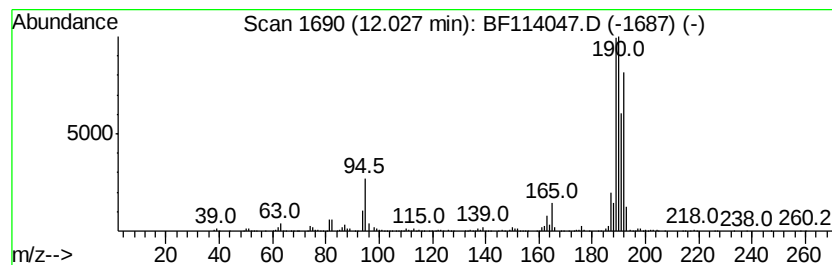
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.03	23.50 ng	1087500	Phenanthrene-d10	11.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
Data File : BF114047.D
Acq On : 30 Apr 2019 17:30
Operator : JU/SJ
Sample : K2194-09 2X
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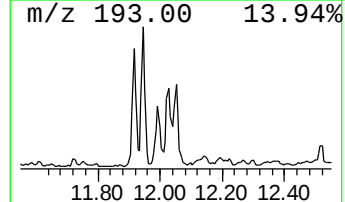
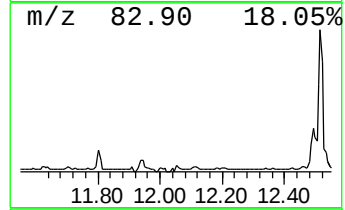
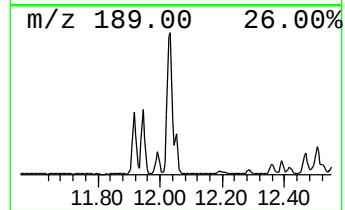
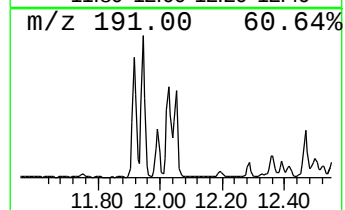
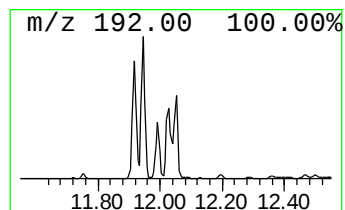
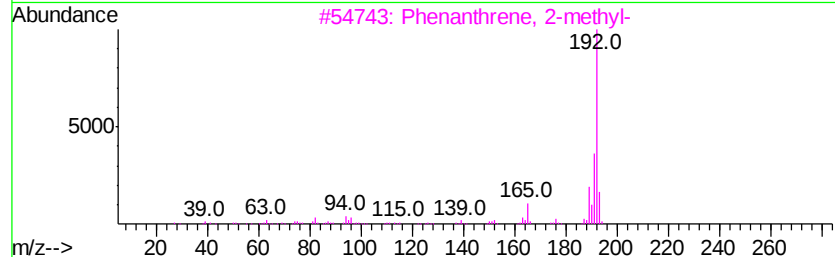
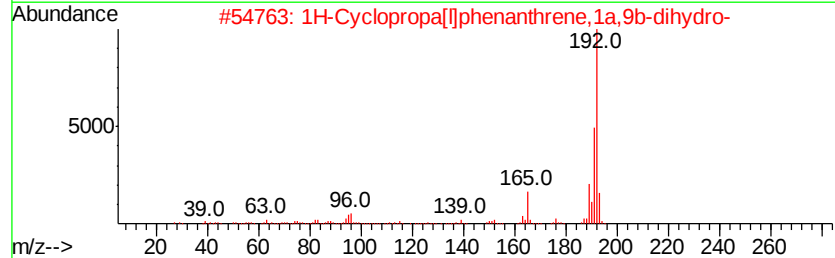
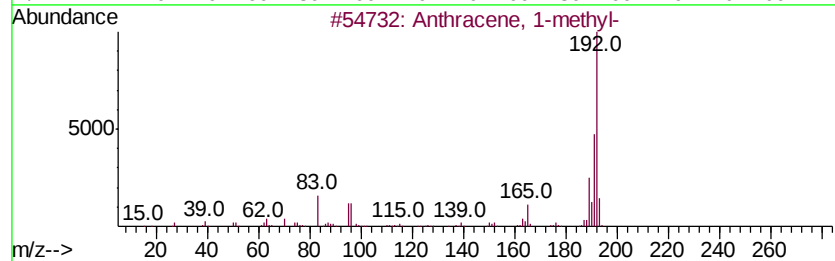
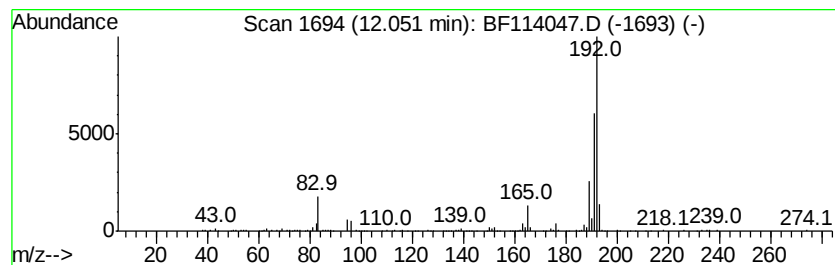
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	6.84 ng	316652	Phenanthrene-d10	11.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	89
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5			Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
Data File : BF114047.D
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Operator : JU/SJ
Sample : K2194-09 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

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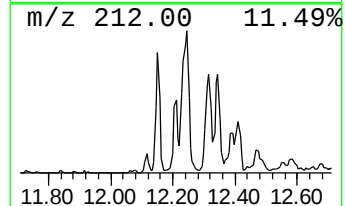
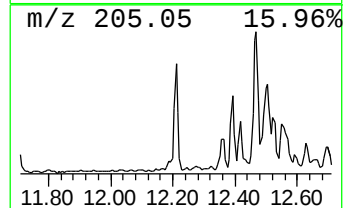
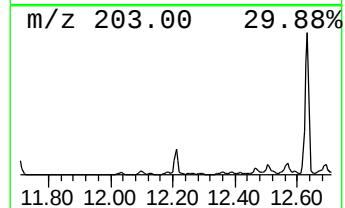
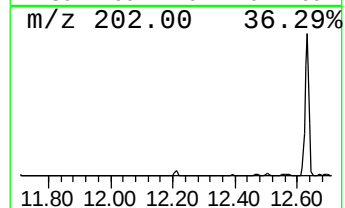
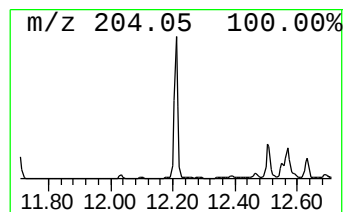
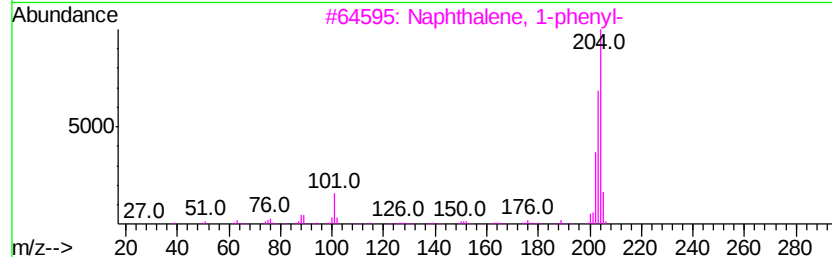
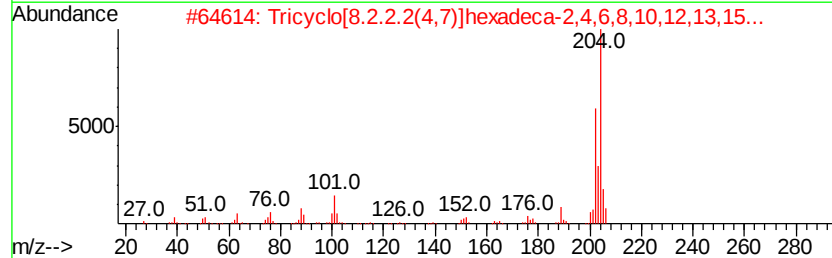
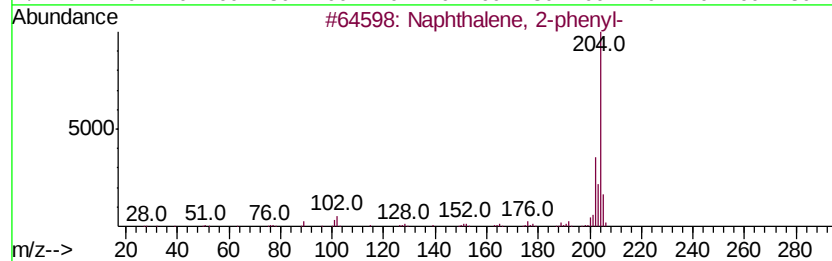
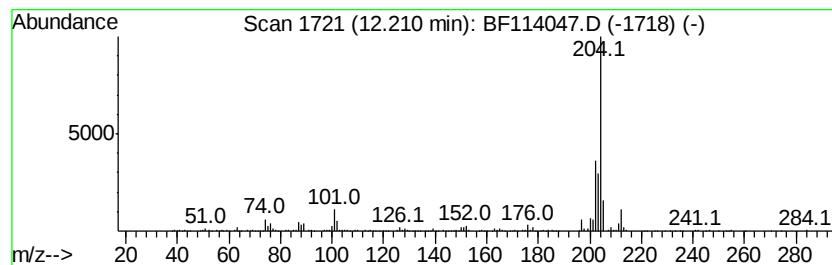
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	6.35 ng	293926	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	50
5		5,16[1'',2'':8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
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Operator : JU/SJ
Sample : K2194-09 2X
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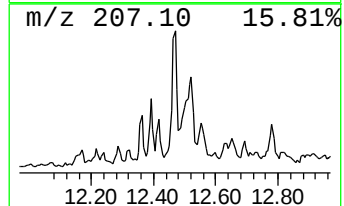
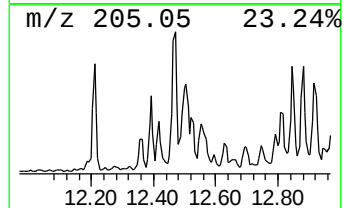
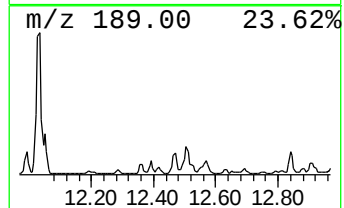
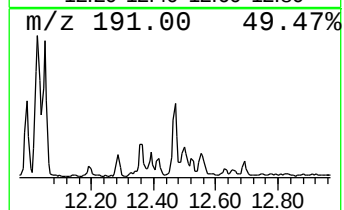
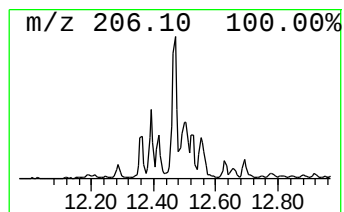
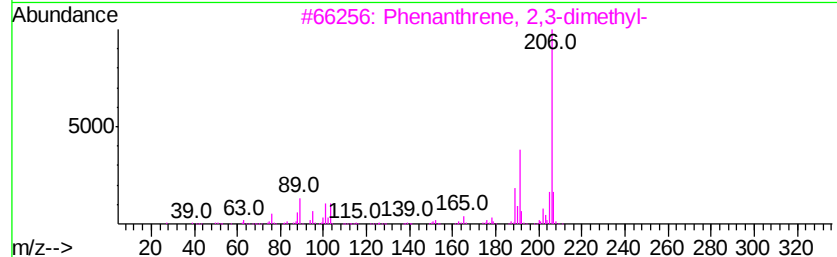
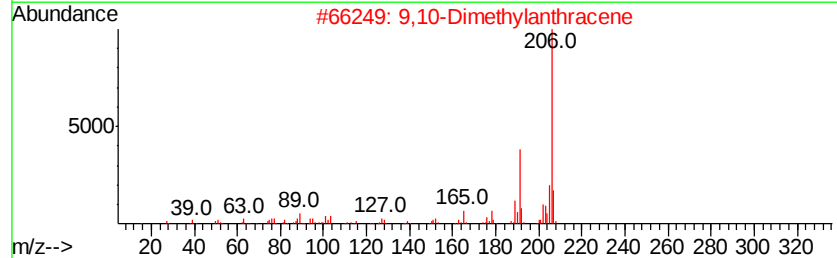
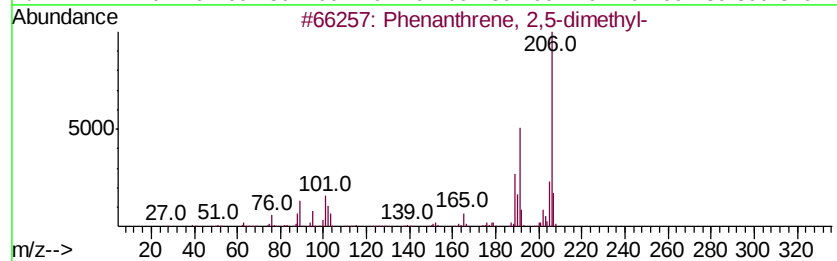
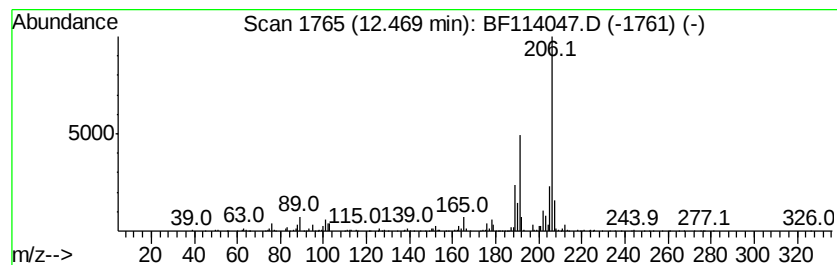
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.47	8.57 ng	396714	Phenanthrene-d10		11.42
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
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Sample : K2194-09 2X
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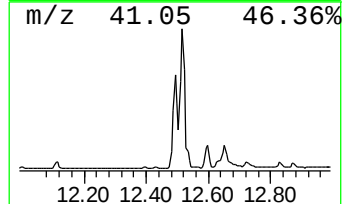
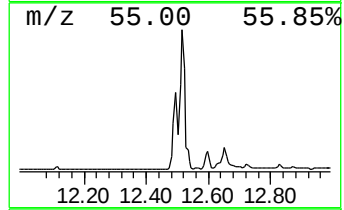
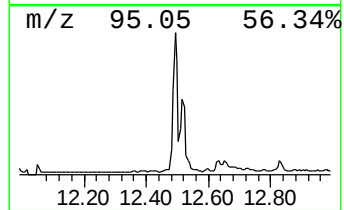
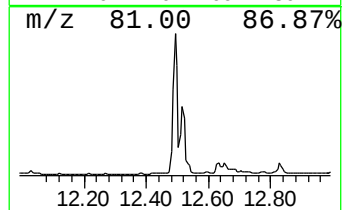
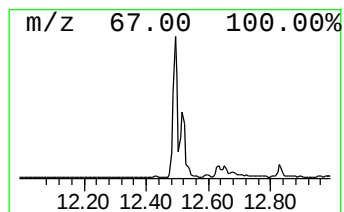
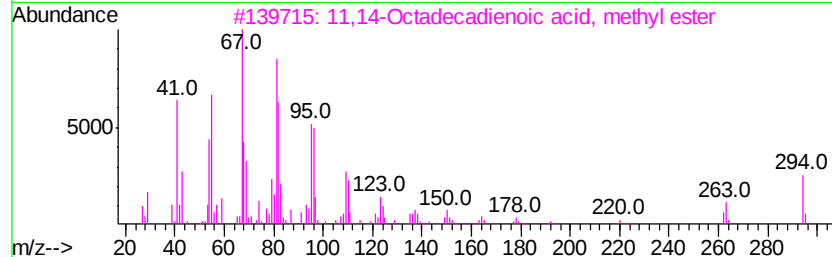
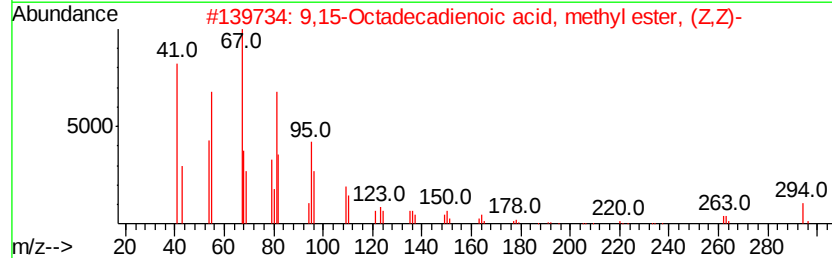
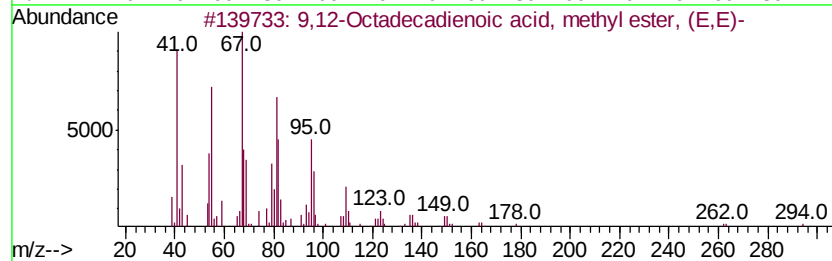
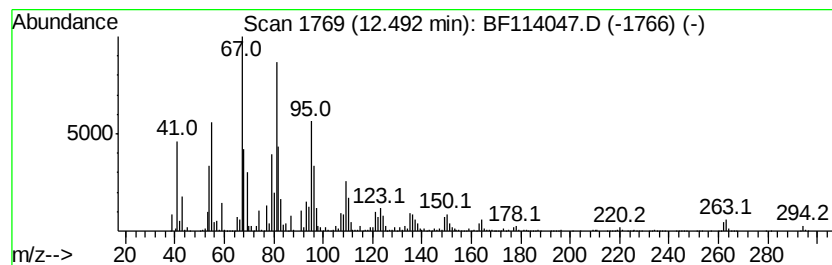
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.49	85.78 ng	3969950	Phenanthrene-d10	11.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	99
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
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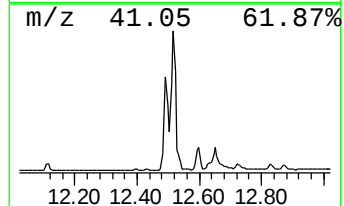
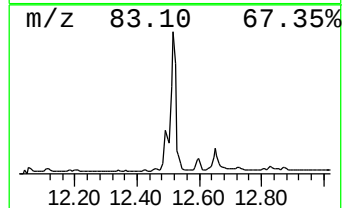
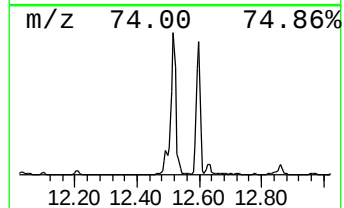
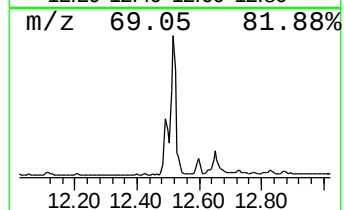
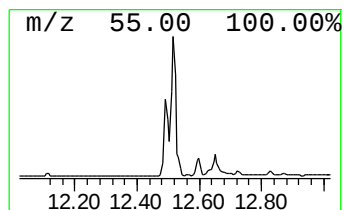
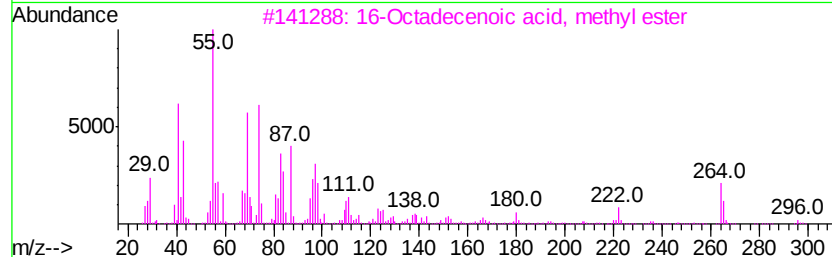
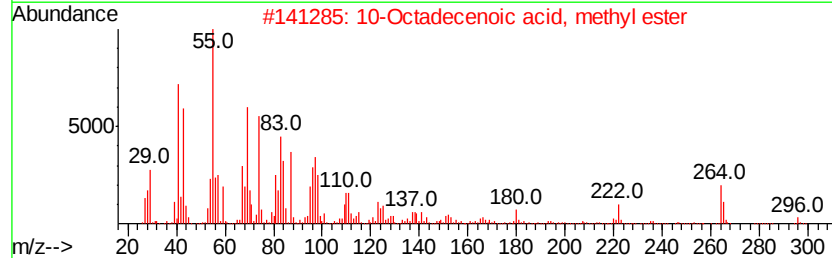
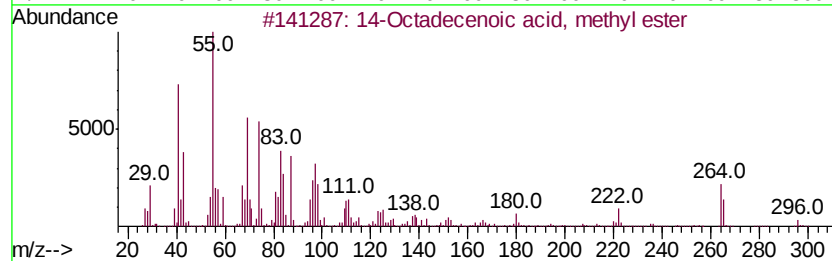
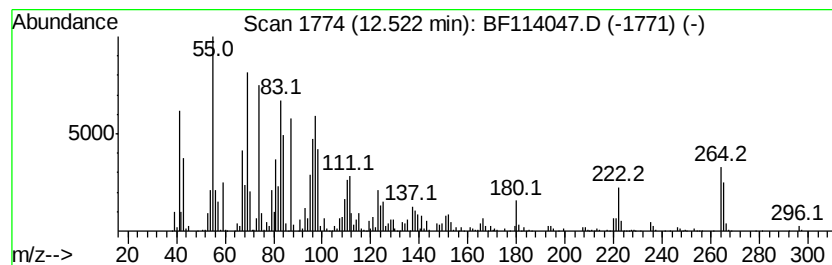
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 14-Octadecenoic acid, methyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	109.16 ng	5051620	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
2		10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
3		16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
4		9-Octadecenoic acid, methyl ester...	296	C19H36O2	001937-62-8	99
5		15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
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Sample : K2194-09 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

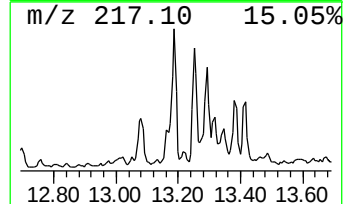
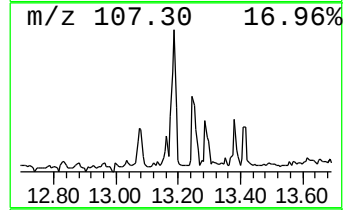
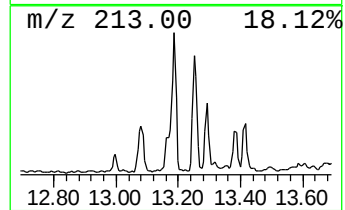
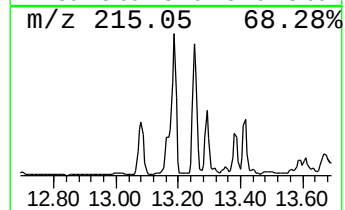
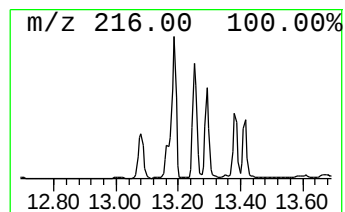
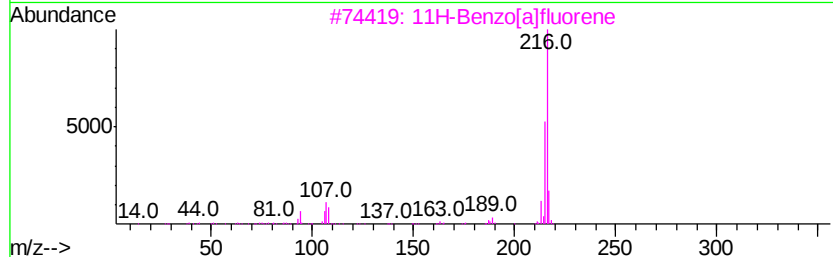
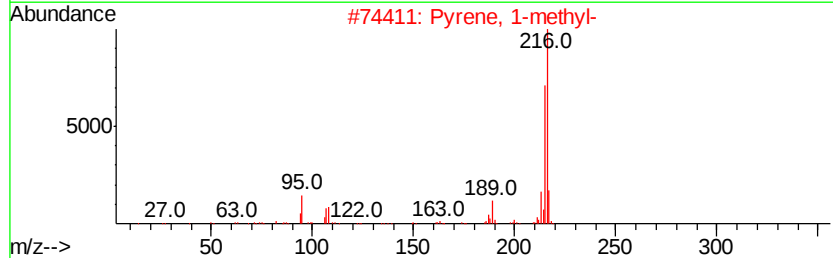
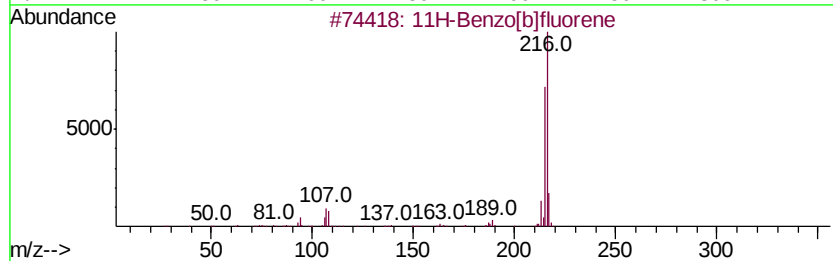
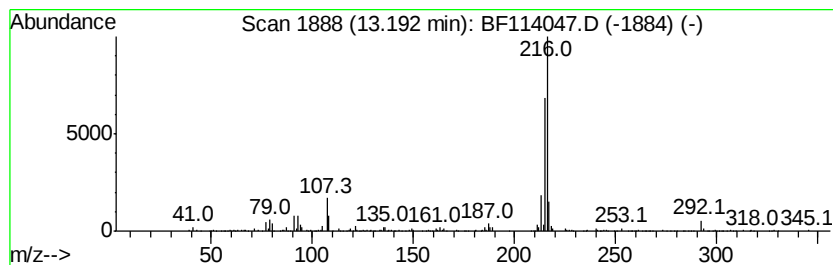
Instrument :
BNA_F
ClientSampleId :
JC-03-042919-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	9.29 ng	863088	Chrysene-d12	14.06
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 95
2		Pyrene, 1-methyl-	216 C17H12	002381-21-7 94
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 93
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 91
5		Pyrene, 2-methyl-	216 C17H12	003442-78-2 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
Data File : BF114047.D
Acq On : 30 Apr 2019 17:30
Operator : JU/SJ
Sample : K2194-09 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

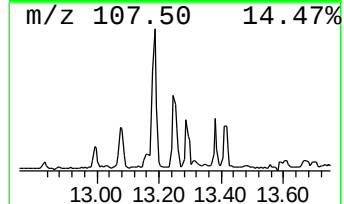
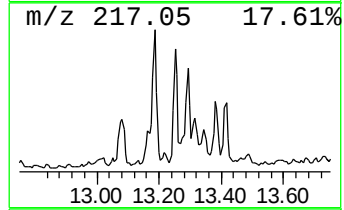
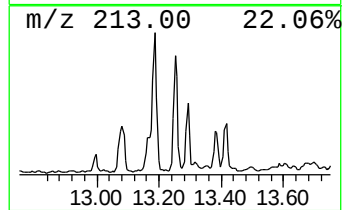
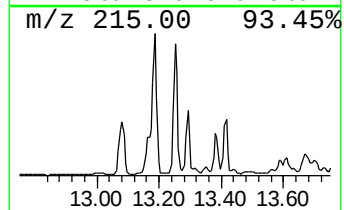
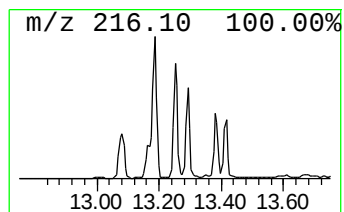
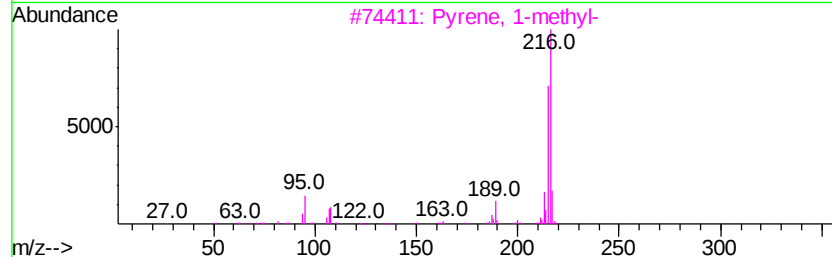
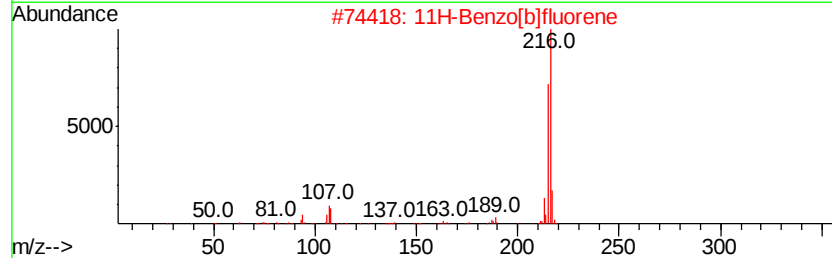
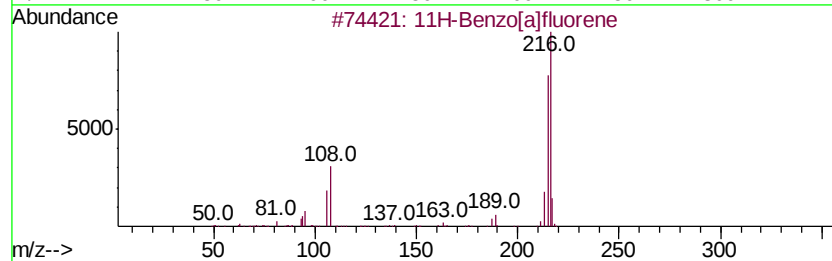
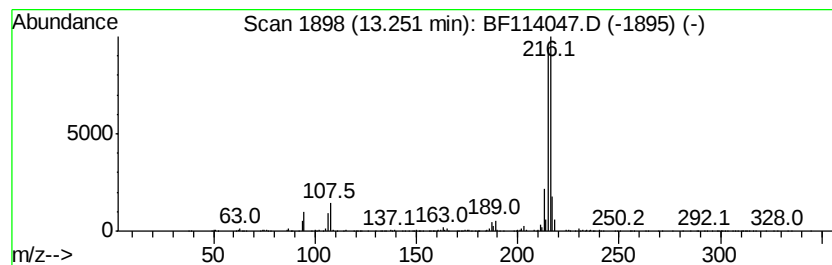
Instrument :
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ClientSampleId :
JC-03-042919-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.25	7.68 ng	713332	Chrysene-d12	14.06	
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	87
3	Pvrene, 1-methyl-	216	C17H12	002381-21-7	83
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
Data File : BF114047.D
Acq On : 30 Apr 2019 17:30
Operator : JU/SJ
Sample : K2194-09 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-03-042919-E

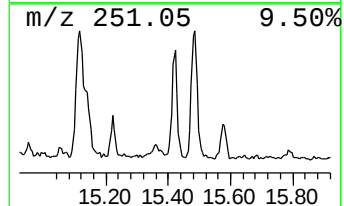
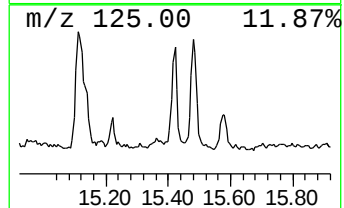
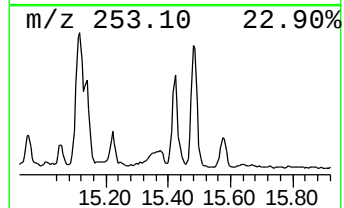
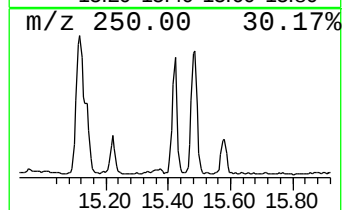
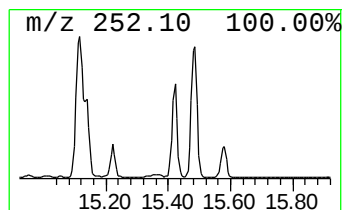
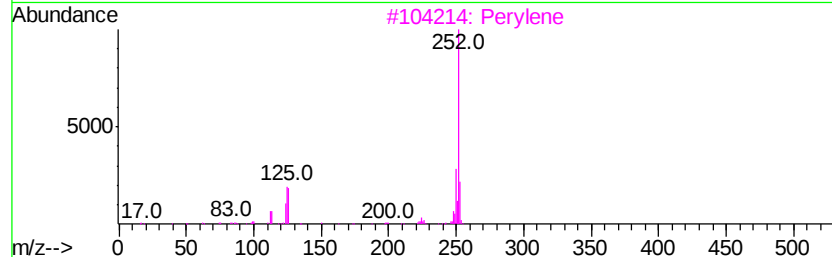
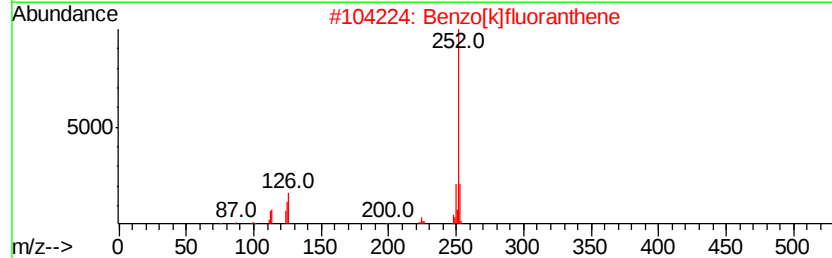
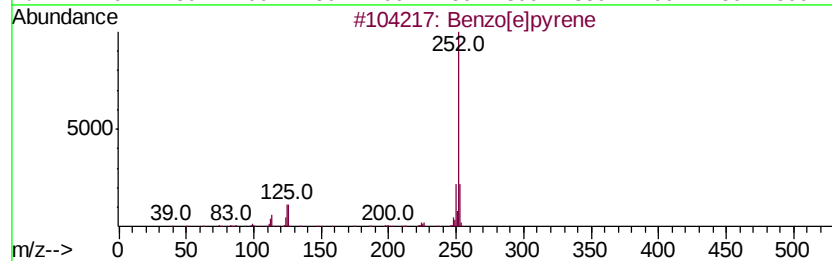
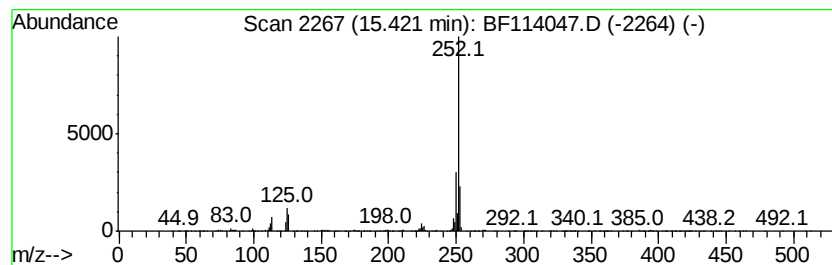
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	18.10 ng	425979	Perylene-d12	15.54

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	95
3		Perylene	252	C20H12	000198-55-0	93
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF043019\
 Data File : BF114047.D
 Acq On : 30 Apr 2019 17:30
 Operator : JU/SJ
 Sample : K2194-09 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-042919-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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
unknown6.66	6.66	32.8	ng	1011920	1	6.89	617705	20.0
Naphthalene, 1,7-...	9.52	8.7	ng	334845	3	9.93	772780	20.0
Naphthalene, 2,3-...	9.59	10.5	ng	406511	3	9.93	772780	20.0
Decane, 3,8-dimet...	10.83	7.9	ng	366454	4	11.42	925571	20.0
9H-Fluorene, 2-me...	11.02	6.5	ng	299326	4	11.42	925571	20.0
Hexadecane, 7,9-d...	11.28	7.2	ng	334568	4	11.42	925571	20.0
Dibenzothiophene	11.31	8.9	ng	411310	4	11.42	925571	20.0
Hexadecanoic acid...	11.80	29.8	ng	1379600	4	11.42	925571	20.0
Phenanthrene, 2-m...	11.92	13.9	ng	645183	4	11.42	925571	20.0
Anthracene, 2-met...	11.95	23.3	ng	1079980	4	11.42	925571	20.0
4H-Cyclopenta[def...	12.03	23.5	ng	1087500	4	11.42	925571	20.0
Anthracene, 1-met...	12.05	6.8	ng	316652	4	11.42	925571	20.0
Naphthalene, 2-ph...	12.21	6.3	ng	293926	4	11.42	925571	20.0
Phenanthrene, 2,5...	12.47	8.6	ng	396714	4	11.42	925571	20.0
9,12-Octadecadien...	12.49	85.8	ng	3969950	4	11.42	925571	20.0
14-Octadecenoic a...	12.52	109.2	ng	5051620	4	11.42	925571	20.0
11H-Benzo[b]fluorene	13.19	9.3	ng	863088	5	14.06	1857330	20.0
11H-Benzo[a]fluorene	13.25	7.7	ng	713332	5	14.06	1857330	20.0
Benzo[e]pyrene	15.42	18.1	ng	425979	6	15.54	470673	20.0