

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096476.D
 Acq On : 5 Jul 2017 11:41
 Operator : SJ/MA
 Sample : I4031-01 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-063017

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:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.881	472	475	483	rBV	141821	144780	14.72%	0.837%
2	5.316	545	549	553	rBV	726917	711406	72.33%	4.111%
3	6.339	719	723	729	rVB	773286	620272	63.07%	3.584%
4	6.475	742	746	750	rBV	765725	629095	63.97%	3.635%
5	6.710	782	786	790	rBV	815349	662967	67.41%	3.831%
6	6.869	809	813	816	rBV	520119	467685	47.55%	2.703%
7	7.263	876	880	884	rBV	407058	371248	37.75%	2.145%
8	7.992	1000	1004	1007	rBV	1084730	892166	90.71%	5.156%
9	8.710	1123	1126	1129	rVB	25167	22027	2.24%	0.127%
10	8.804	1139	1142	1145	rVB	34569	26383	2.68%	0.152%
11	9.069	1183	1187	1191	rBV	837786	659606	67.07%	3.812%
12	9.333	1229	1232	1236	rBV2	19765	25076	2.55%	0.145%
13	9.410	1240	1245	1247	rBV	44717	45539	4.63%	0.263%
14	9.463	1251	1254	1260	rVB2	119937	113330	11.52%	0.655%
15	9.522	1260	1264	1266	rBV2	24463	22760	2.31%	0.132%
16	9.604	1275	1278	1282	rBV	131152	121165	12.32%	0.700%
17	9.745	1297	1302	1306	rBV	929439	872665	88.73%	5.043%
18	9.780	1306	1308	1311	rVB	88589	68214	6.94%	0.394%
19	9.857	1317	1321	1325	rBV5	15008	19010	1.93%	0.110%
20	9.951	1332	1337	1341	rVB	70787	67083	6.82%	0.388%
21	9.992	1341	1344	1346	rBV2	32658	27411	2.79%	0.158%
22	10.063	1352	1356	1359	rBV3	29528	40298	4.10%	0.233%
23	10.092	1359	1361	1365	rVB	22188	17979	1.83%	0.104%
24	10.157	1368	1372	1376	rBV4	22963	37920	3.86%	0.219%
25	10.198	1376	1379	1382	rVB2	36701	31311	3.18%	0.181%
26	10.263	1385	1390	1392	rVB4	18394	17717	1.80%	0.102%
27	10.292	1392	1395	1402	rVB	126435	112074	11.40%	0.648%
28	10.404	1412	1414	1419	rVB5	20733	27902	2.84%	0.161%
29	10.451	1419	1422	1424	rBV	25445	23622	2.40%	0.137%
30	10.527	1431	1435	1440	rBV2	371435	345335	35.11%	1.996%
31	10.663	1454	1458	1460	rBV3	44161	49506	5.03%	0.286%
32	10.839	1480	1488	1491	rBV3	42593	68164	6.93%	0.394%
33	10.869	1491	1493	1496	rVV2	39497	37984	3.86%	0.220%
34	10.921	1499	1502	1505	rVB2	32664	30752	3.13%	0.178%

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35	11.033	1518	1521	1526	rVB3	28322	36496	3.71%	0.211%
36	11.080	1526	1529	1532	rBV4	21390	26601	2.70%	0.154%
37	11.121	1532	1536	1538	rVV2	69149	69042	7.02%	0.399%
38	11.227	1550	1554	1556	rBV	778702	691031	70.26%	3.993%
39	11.251	1556	1558	1561	rVV	893463	669744	68.10%	3.870%
40	11.298	1562	1566	1570	rVB	201311	186452	18.96%	1.077%
41	11.339	1570	1573	1576	rBV3	30438	33382	3.39%	0.193%
42	11.451	1587	1592	1596	rBV	49631	66025	6.71%	0.382%
43	11.557	1607	1610	1613	rVB	51482	49998	5.08%	0.289%
44	11.645	1622	1625	1629	rVB	37382	42418	4.31%	0.245%
45	11.680	1629	1631	1634	rBV3	15270	19036	1.94%	0.110%
46	11.727	1636	1639	1642	rVV	168567	167764	17.06%	0.969%
47	11.757	1642	1644	1649	rVB	226627	181491	18.45%	1.049%
48	11.804	1649	1652	1654	rBV	69788	59811	6.08%	0.346%
49	11.839	1654	1658	1660	rVV	255563	255111	25.94%	1.474%
50	11.863	1660	1662	1665	rVB	126462	94502	9.61%	0.546%
51	11.927	1668	1673	1674	rBV5	16764	27547	2.80%	0.159%
52	11.963	1676	1679	1681	rVB3	35369	35284	3.59%	0.204%
53	12.021	1681	1689	1691	rBV2	99615	115656	11.76%	0.668%
54	12.045	1691	1693	1700	rVB2	85508	97840	9.95%	0.565%
55	12.098	1700	1702	1705	rBV2	20907	27377	2.78%	0.158%
56	12.157	1709	1712	1713	rBV2	24292	25584	2.60%	0.148%
57	12.174	1713	1715	1717	rVB	42049	28827	2.93%	0.167%
58	12.204	1717	1720	1722	rBV	54532	45759	4.65%	0.264%
59	12.227	1722	1724	1727	rVB2	53982	44128	4.49%	0.255%
60	12.280	1727	1733	1736	rBV	153559	179019	18.20%	1.035%
61	12.315	1736	1739	1741	rVV	70536	71877	7.31%	0.415%
62	12.333	1741	1742	1744	rVB	45514	25637	2.61%	0.148%
63	12.363	1744	1747	1752	rVB3	52719	69180	7.03%	0.400%
64	12.439	1756	1760	1763	rBV	892242	801810	81.53%	4.634%
65	12.486	1765	1768	1770	rBV3	32415	40181	4.09%	0.232%
66	12.527	1773	1775	1778	rBV	36585	31420	3.19%	0.182%
67	12.563	1779	1781	1783	rBV2	18482	20009	2.03%	0.116%
68	12.586	1783	1785	1789	rVB3	45573	49366	5.02%	0.285%
69	12.663	1793	1798	1801	rBV	859215	884247	89.91%	5.110%
70	12.686	1801	1802	1805	rVB2	27121	17573	1.79%	0.102%
71	12.727	1807	1809	1812	rVB	54558	53066	5.40%	0.307%

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72	12.786	1816	1819	1820	rBV	47445	44154	4.49%	0.255%
73	12.810	1820	1823	1830	rVB	529579	504401	51.29%	2.915%
74	12.886	1832	1836	1839	rBV3	76149	99102	10.08%	0.573%
75	12.939	1843	1845	1847	rBV2	33603	32311	3.29%	0.187%
76	12.968	1847	1850	1851	rBV3	56978	53453	5.44%	0.309%
77	12.992	1851	1854	1857	rVB	152459	154078	15.67%	0.890%
78	13.033	1858	1861	1862	rBV3	27310	26066	2.65%	0.151%
79	13.057	1862	1865	1868	rVB	112295	95670	9.73%	0.553%
80	13.098	1868	1872	1875	rBV	119568	122799	12.49%	0.710%
81	13.186	1884	1887	1890	rVB	93708	83346	8.47%	0.482%
82	13.215	1890	1892	1897	rVV	88940	94809	9.64%	0.548%
83	13.262	1897	1900	1902	rVB3	31550	35745	3.63%	0.207%
84	13.562	1949	1951	1954	rVB3	36457	24258	2.47%	0.140%
85	13.610	1954	1959	1962	rBV3	89970	141320	14.37%	0.817%
86	13.639	1962	1964	1965	rVV	46318	29711	3.02%	0.172%
87	13.657	1965	1967	1971	rVV2	28069	37694	3.83%	0.218%
88	13.857	1996	2001	2004	rBV2	740941	983489	100.00%	5.683%
89	13.886	2004	2006	2008	rVB	301955	235499	23.95%	1.361%
90	13.945	2014	2016	2017	rBV2	33948	24159	2.46%	0.140%
91	14.209	2059	2061	2063	rBV	37409	35579	3.62%	0.206%
92	14.245	2065	2067	2070	rVV2	99674	92680	9.42%	0.536%
93	14.280	2071	2073	2076	rVB	56963	47979	4.88%	0.277%
94	14.339	2081	2083	2086	rBV3	45837	55179	5.61%	0.319%
95	14.868	2169	2173	2176	rBV	250472	361862	36.79%	2.091%
96	14.968	2188	2190	2196	rVB	71776	77442	7.87%	0.448%
97	15.151	2218	2221	2227	rVB	162540	205241	20.87%	1.186%
98	15.209	2227	2231	2234	rBV	234122	255884	26.02%	1.479%
99	15.268	2237	2241	2244	rBV	396160	458386	46.61%	2.649%
100	16.627	2468	2472	2477	rVB2	78209	121361	12.34%	0.701%

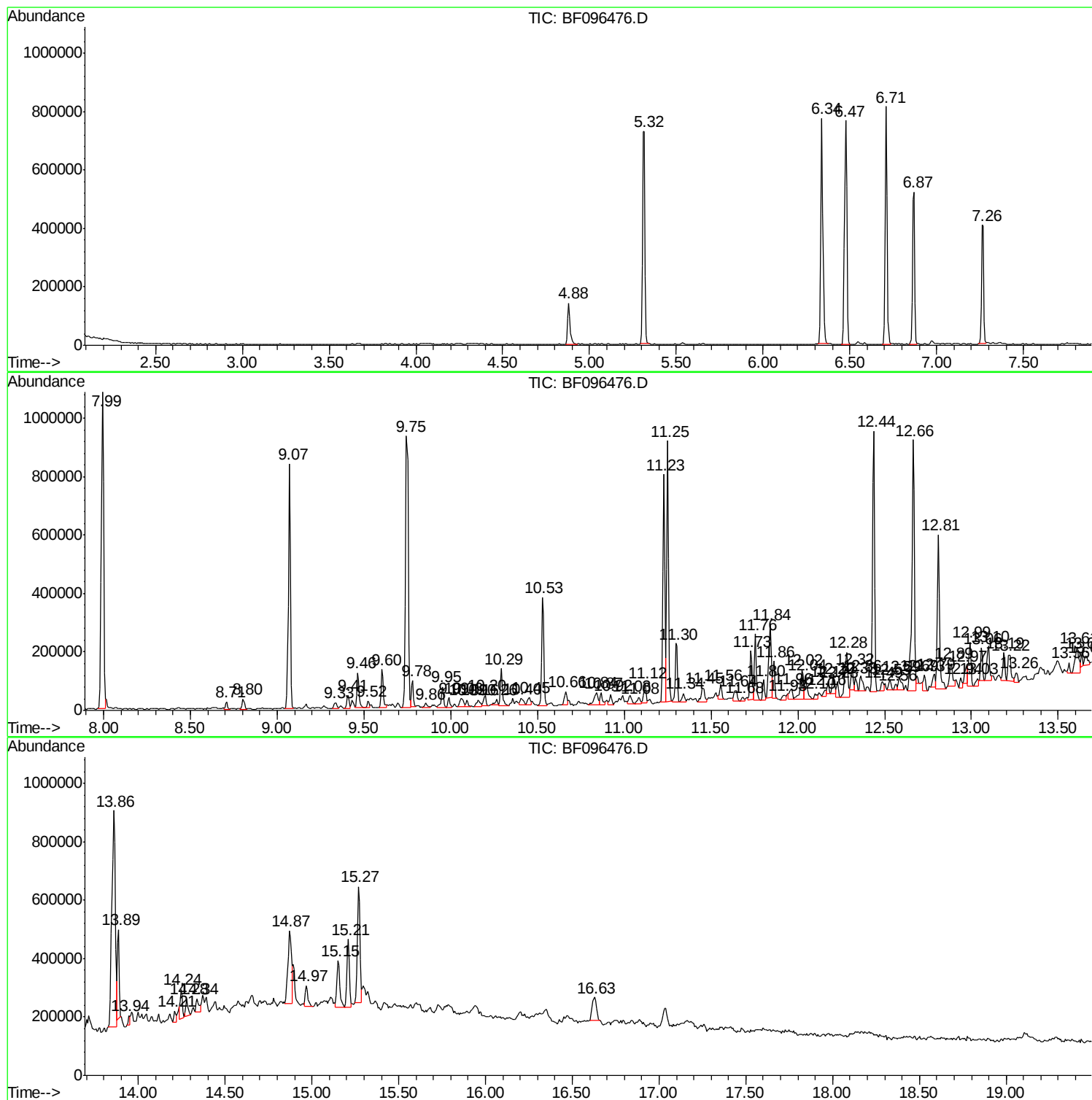
Sum of corrected areas: 17304400

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.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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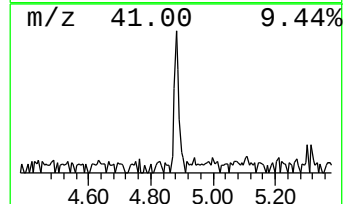
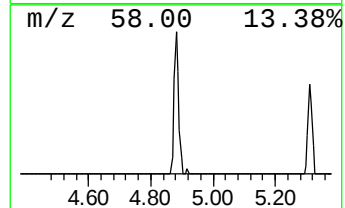
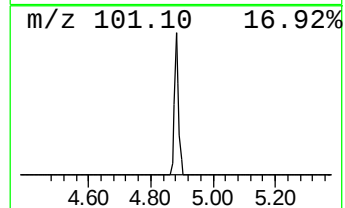
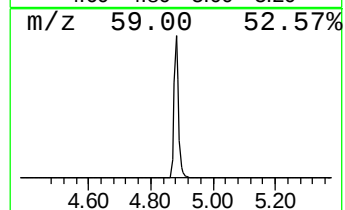
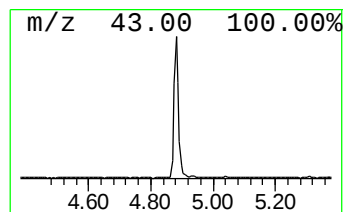
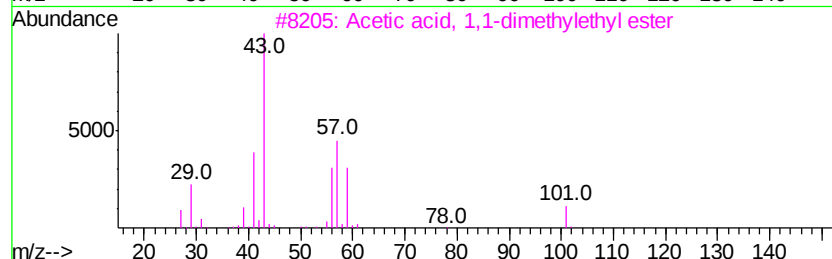
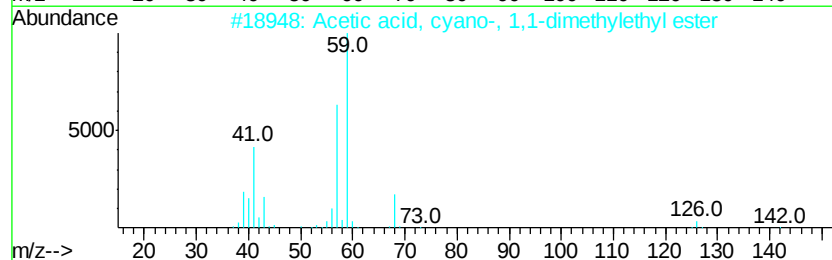
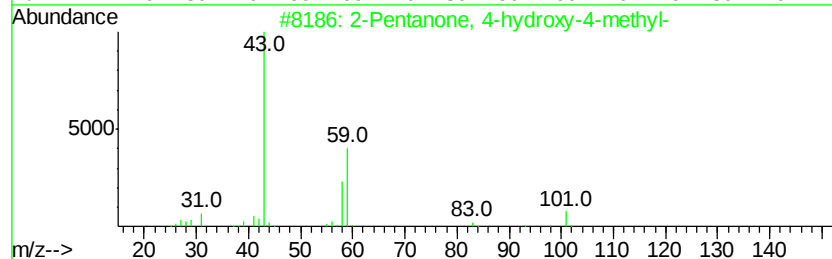
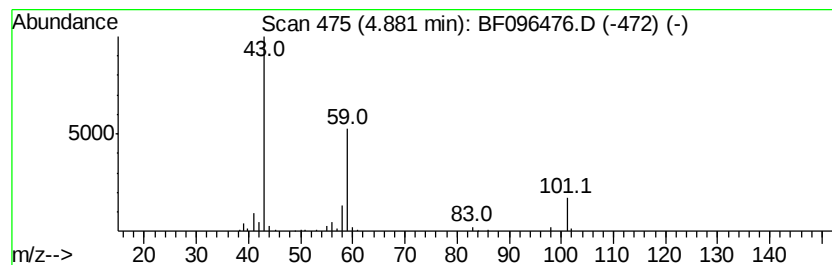
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.88	4.37 ng	144780	1,4-Dichlorobenzene-d4	6.71

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
3			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	17
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



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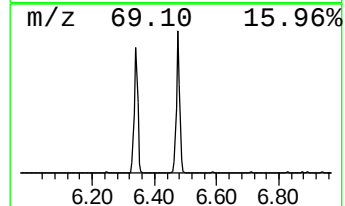
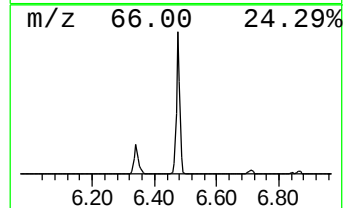
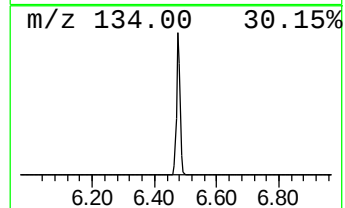
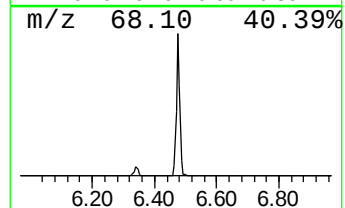
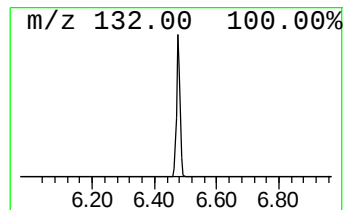
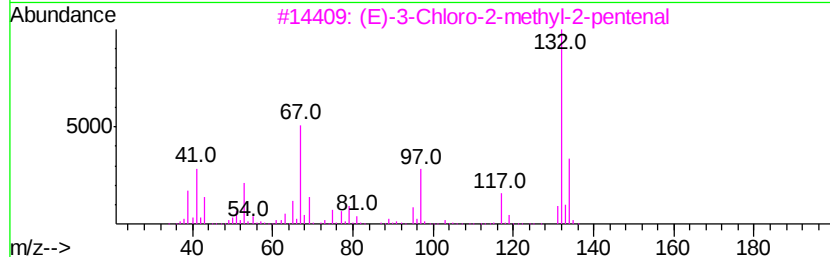
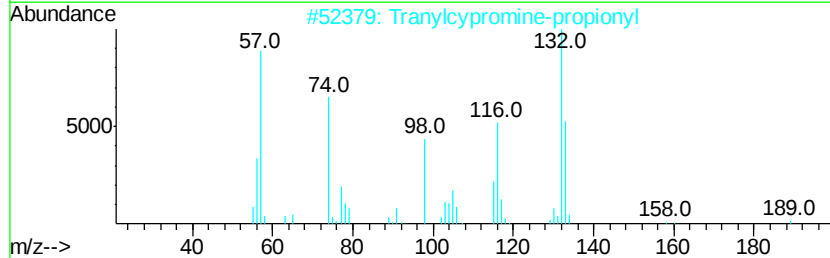
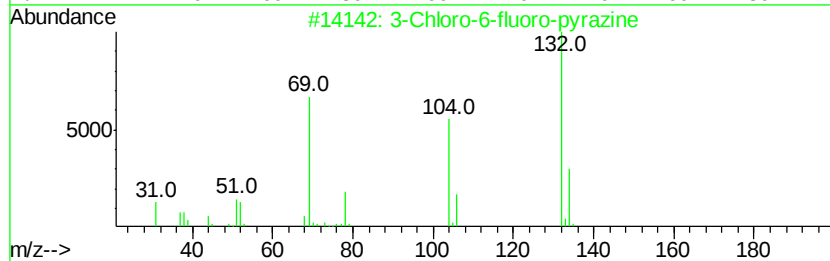
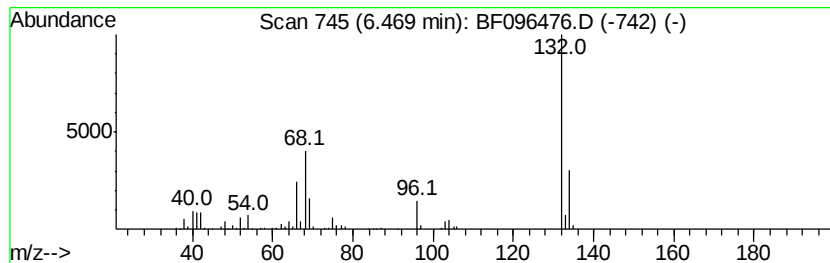
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	18.98 ng	629095	1,4-Dichlorobenzene-d4	6.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4		Amphetaminil	250	C17H18N2	017590-01-1	12
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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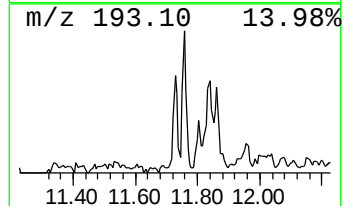
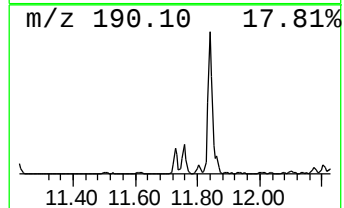
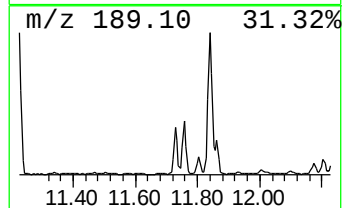
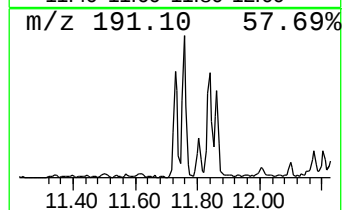
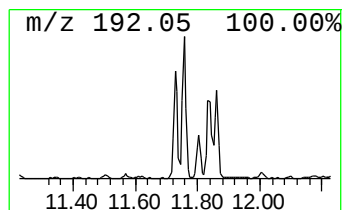
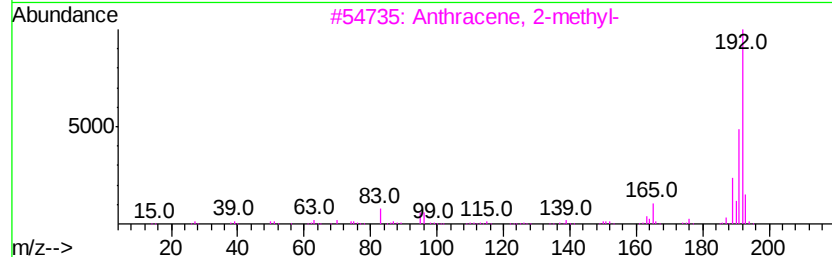
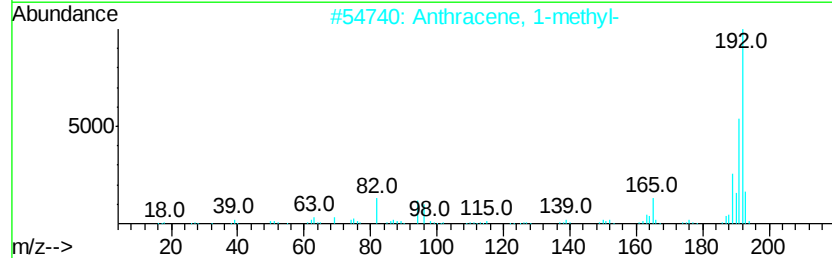
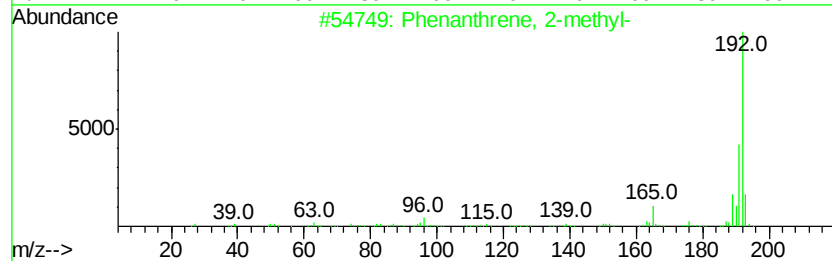
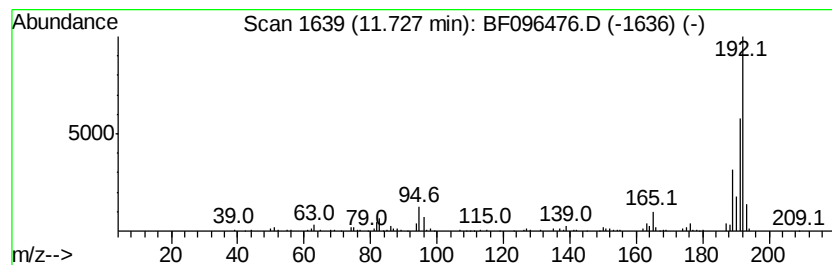
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Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.73	4.86 ng	167764	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
Data File : BF096476.D
Acq On : 5 Jul 2017 11:41
Operator : SJ/MA
Sample : I4031-01 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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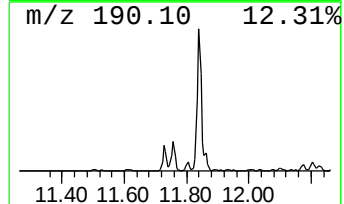
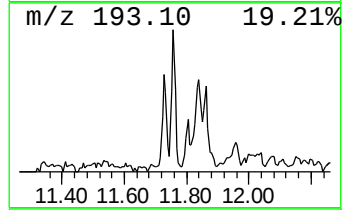
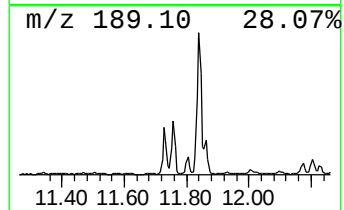
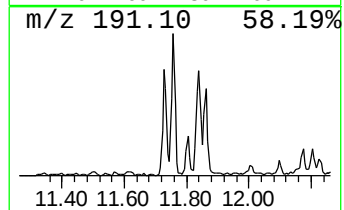
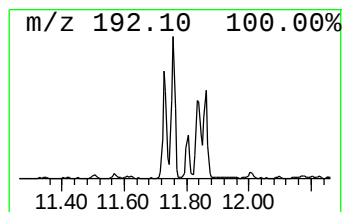
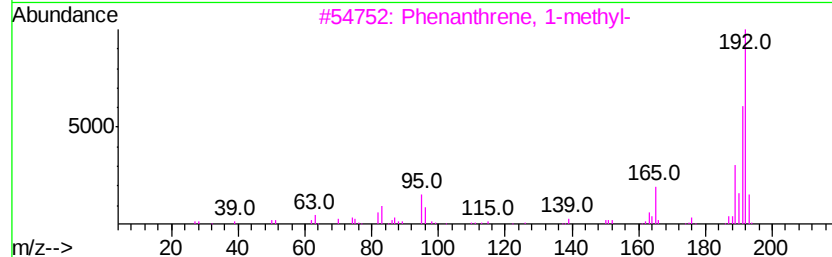
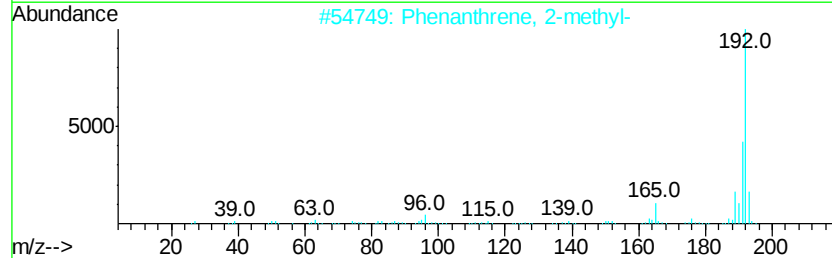
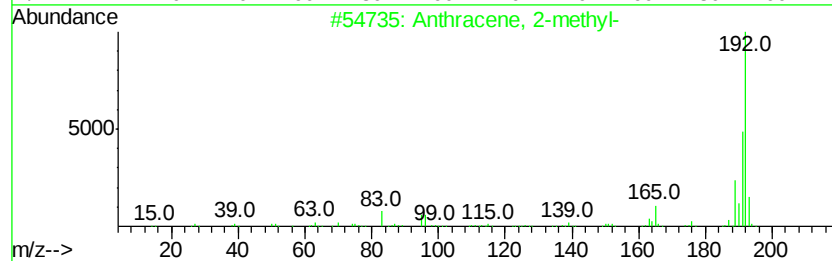
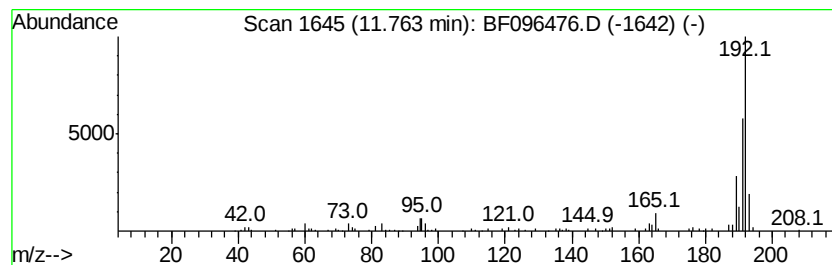
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	5.25 ng	181491	Phenanthrene-d10	11.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
Data File : BF096476.D
Acq On : 5 Jul 2017 11:41
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Sample : I4031-01 5X
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ClientSampleId :
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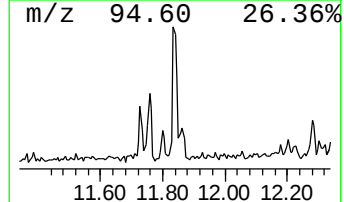
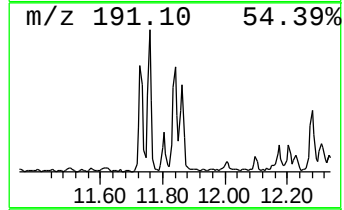
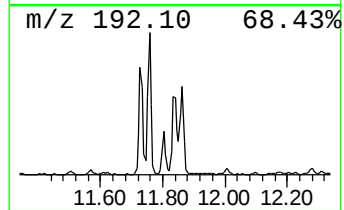
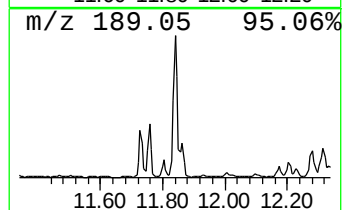
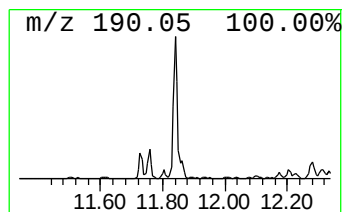
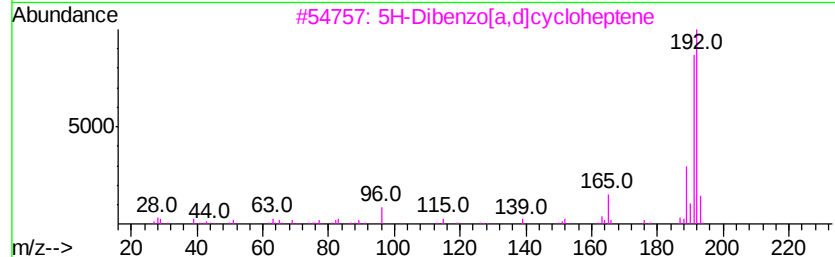
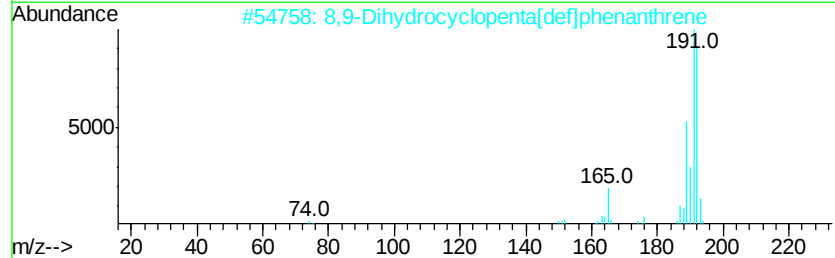
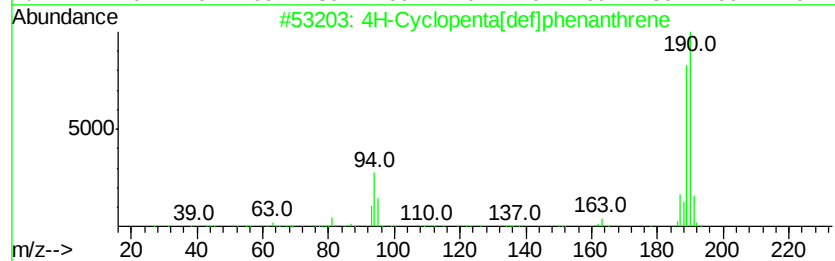
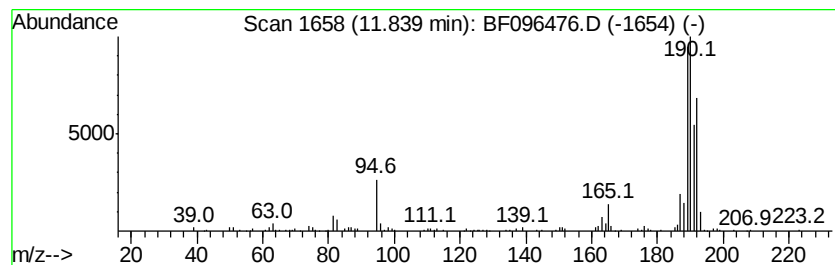
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	7.38 ng	255111	Phenanthrene-d10	11.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	38
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30
5		1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
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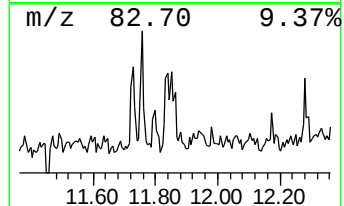
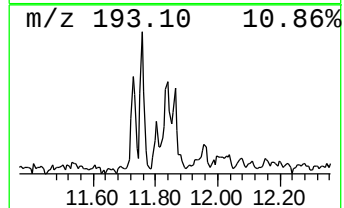
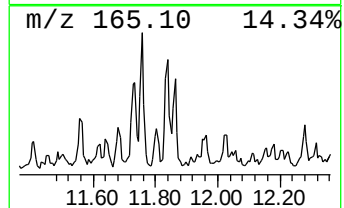
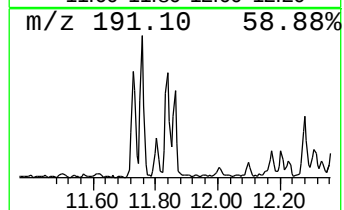
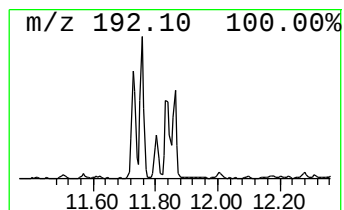
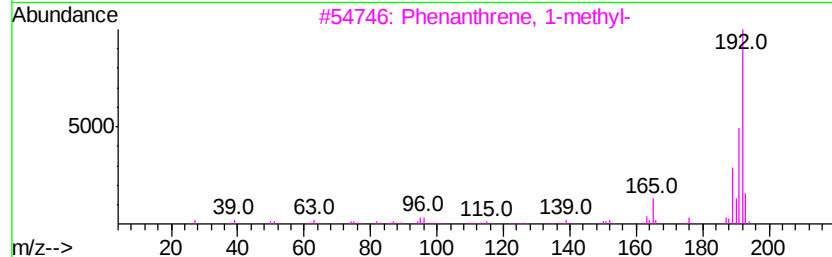
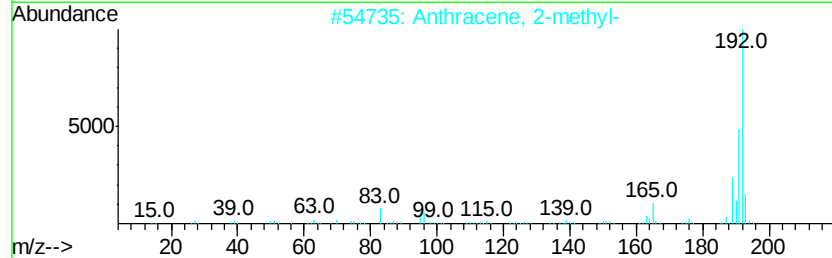
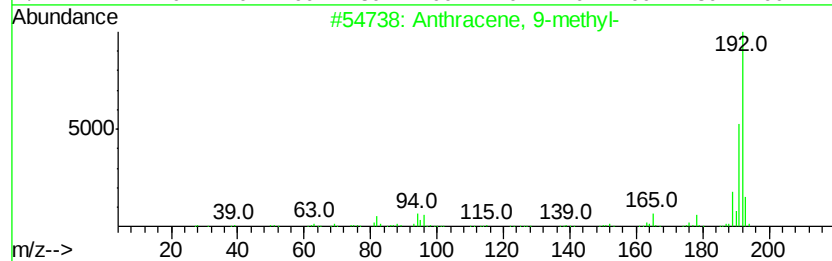
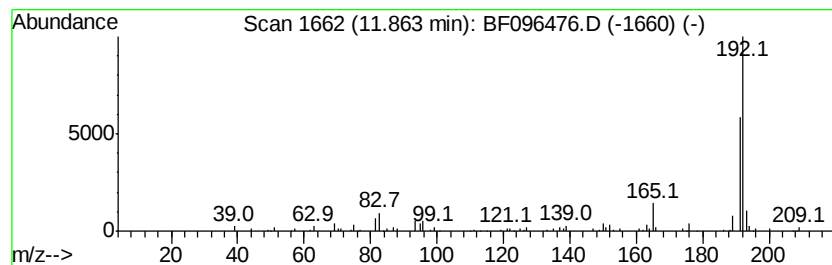
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.74 ng	94502	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
Data File : BF096476.D
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ClientSampleId :
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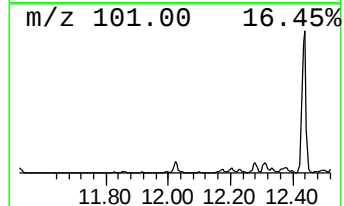
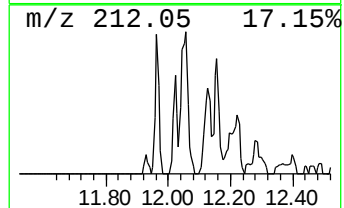
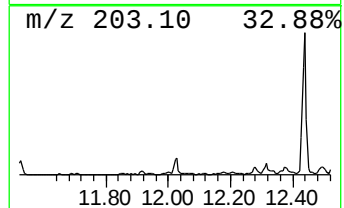
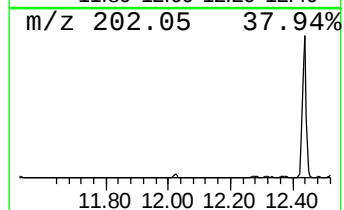
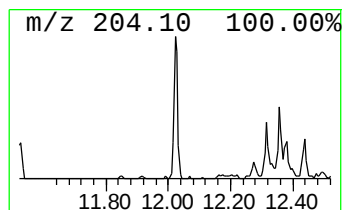
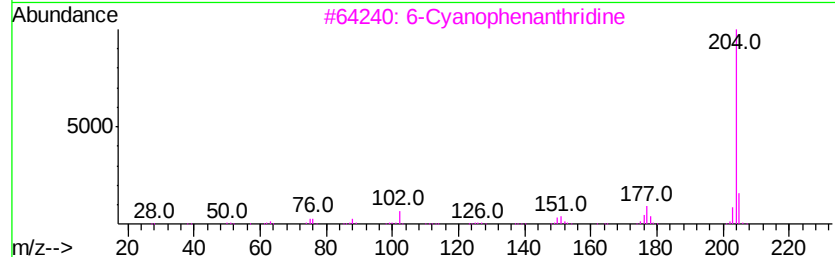
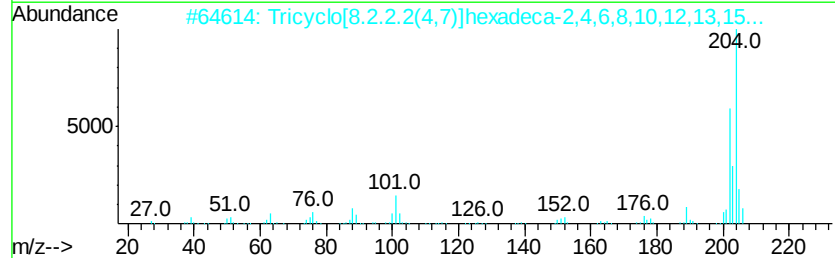
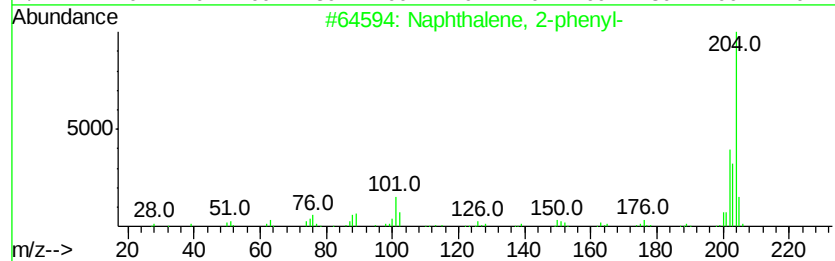
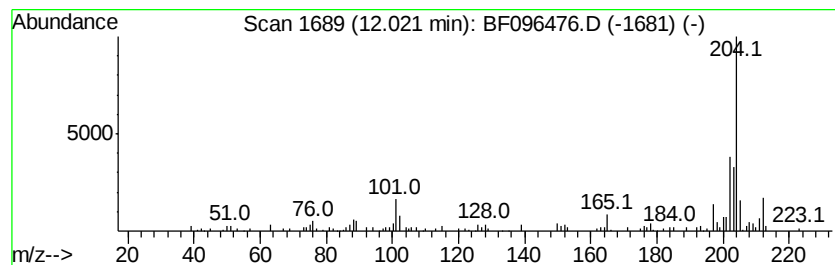
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.35 ng	115656	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
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Misc :
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Instrument :
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ClientSampleId :
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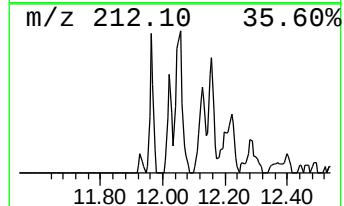
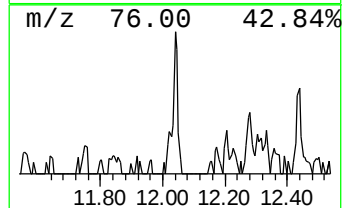
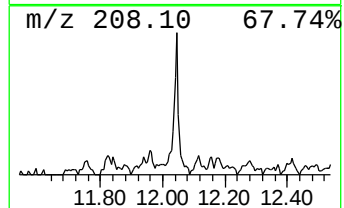
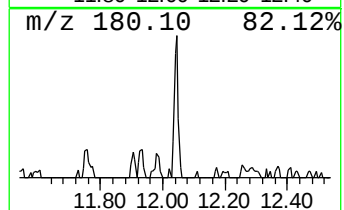
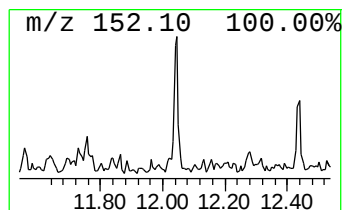
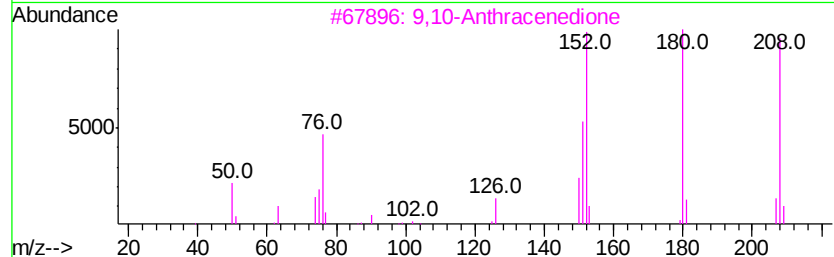
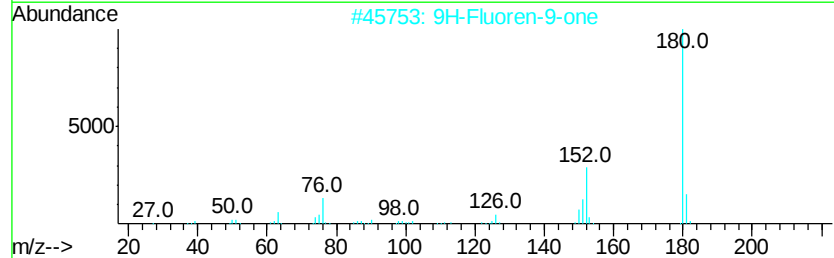
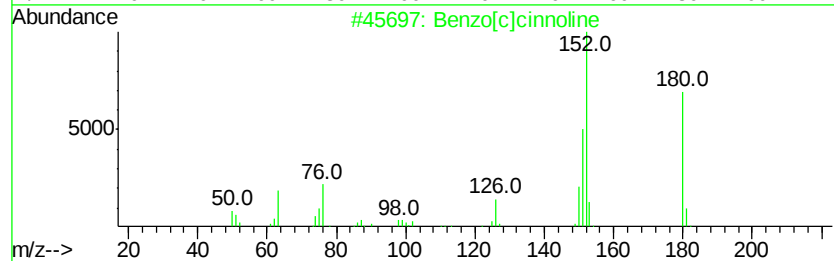
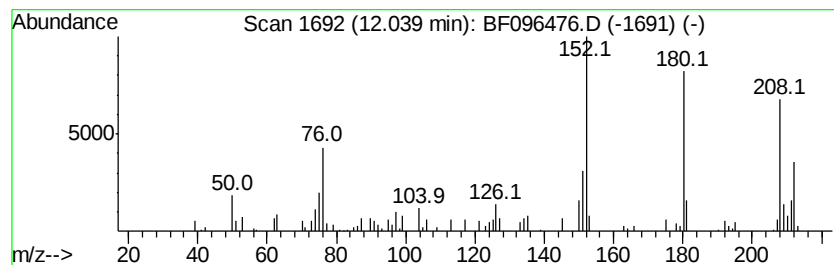
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[c]cinnoline Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	2.83 ng	97840	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
3			9,10-Anthracenedione	208	C14H8O2	000084-65-1	76
4			1,4-Anthracenedione	208	C14H8O2	000635-12-1	43
5			1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
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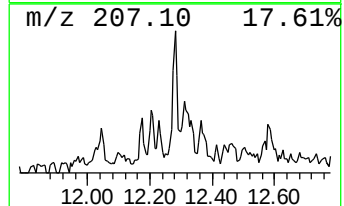
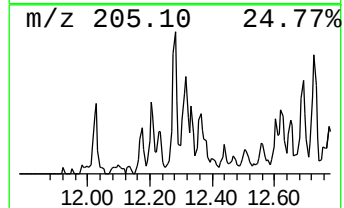
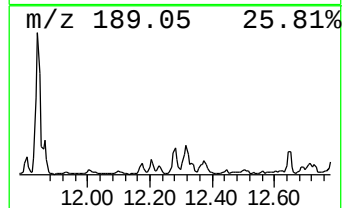
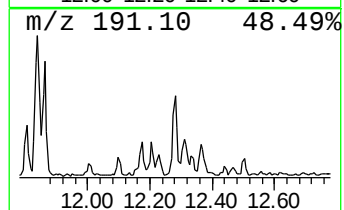
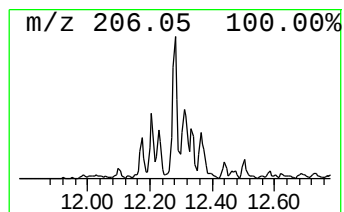
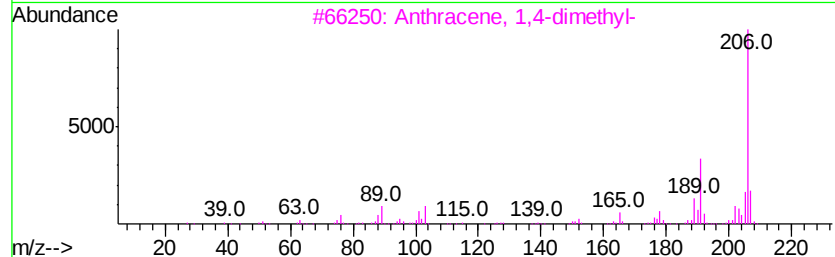
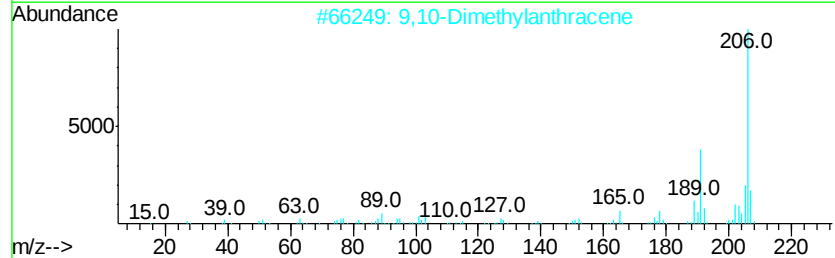
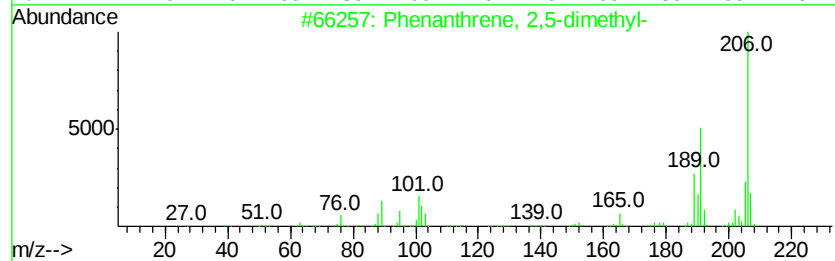
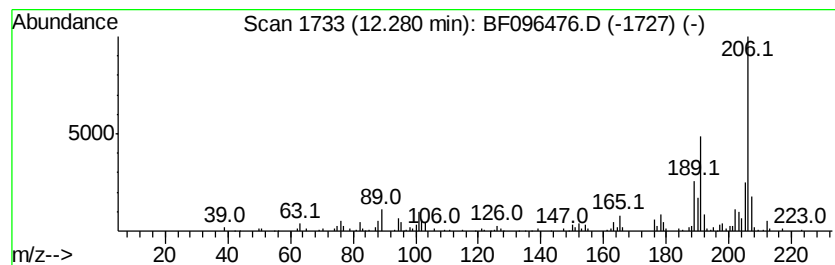
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.28	5.18 ng	179019	Phenanthrene-d10		11.23
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
Data File : BF096476.D
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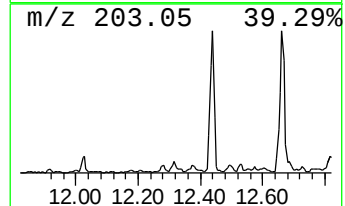
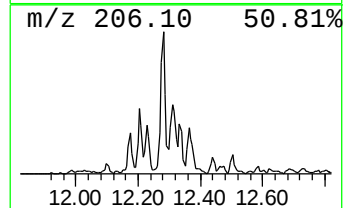
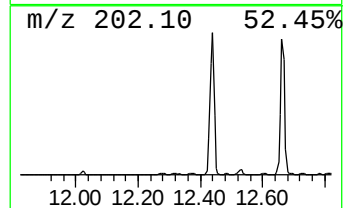
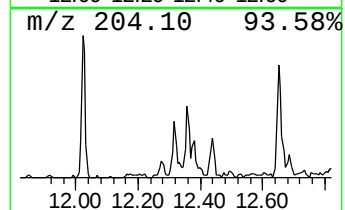
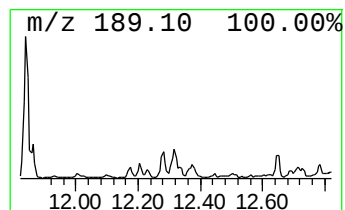
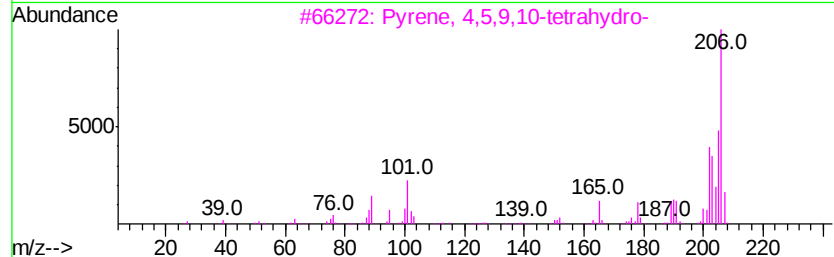
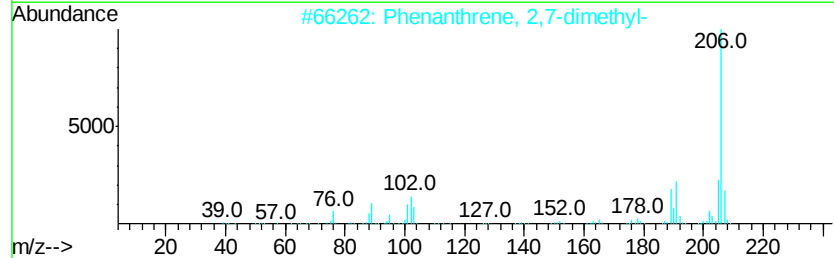
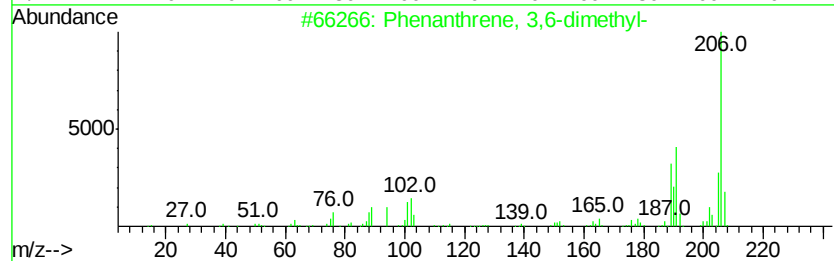
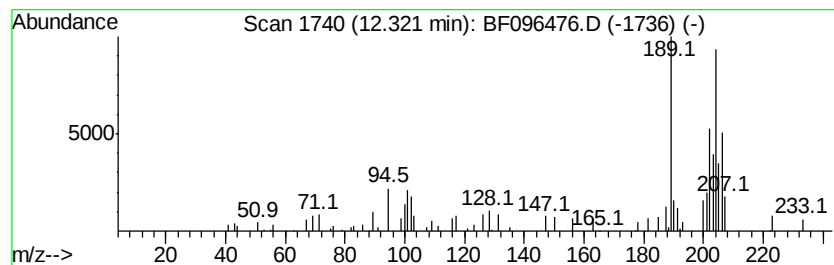
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ClientSampleId :
OR-02-063017

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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 unknown12.32 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.32	2.08 ng	71877	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	41
3	Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	Hydrazine, 4-bromo-2-fluorophenyl-	204	C6H6BrFN2	299440-17-8	27
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
Data File : BF096476.D
Acq On : 5 Jul 2017 11:41
Operator : SJ/MA
Sample : I4031-01 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-063017

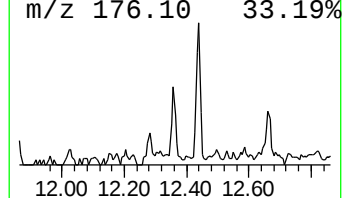
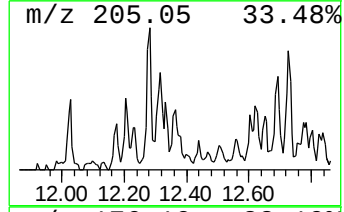
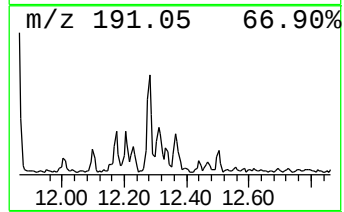
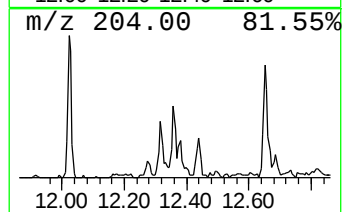
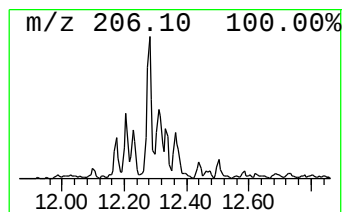
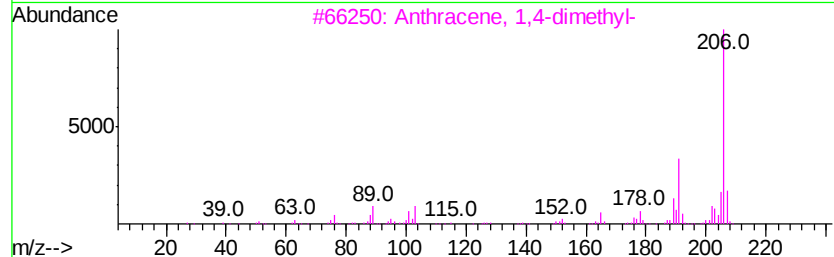
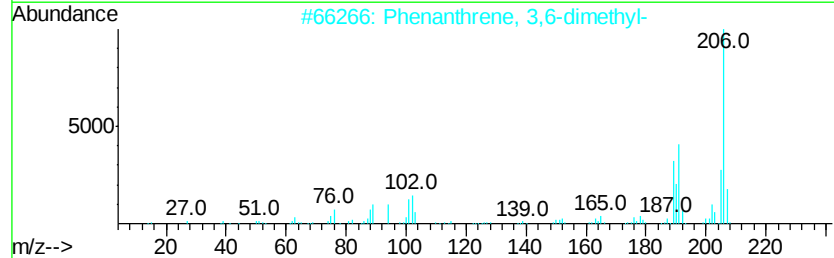
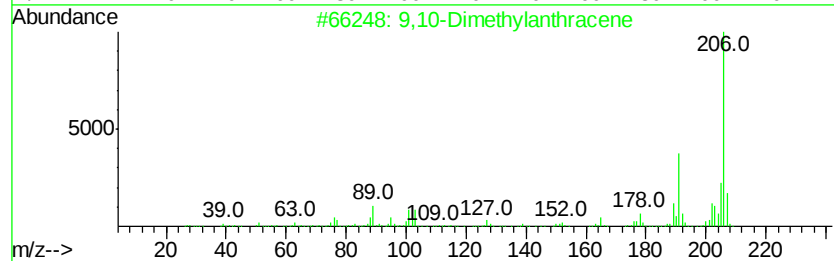
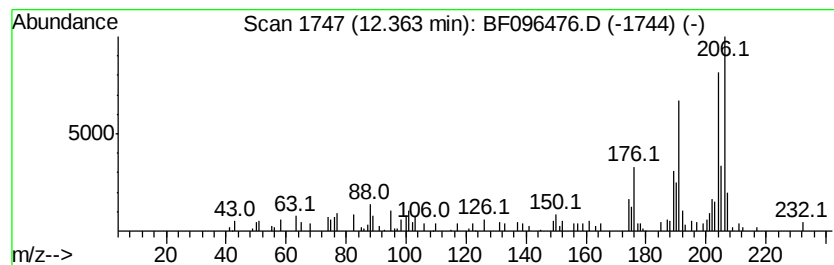
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Dimethylantracene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	2.00 ng	69180	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Dimethylantracene	206	C16H14	000781-43-1	64
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
3			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	60
4			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60
5			3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	55



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
Data File : BF096476.D
Acq On : 5 Jul 2017 11:41
Operator : SJ/MA
Sample : I4031-01 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

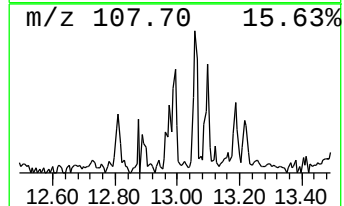
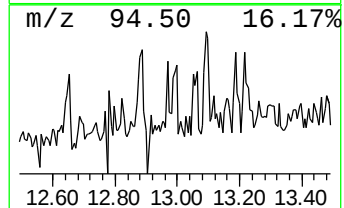
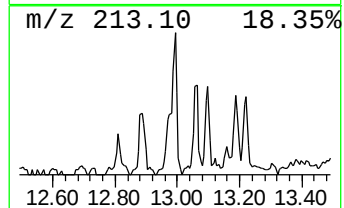
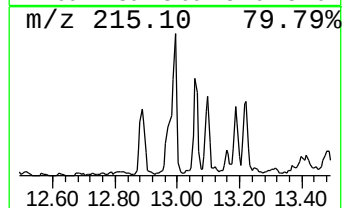
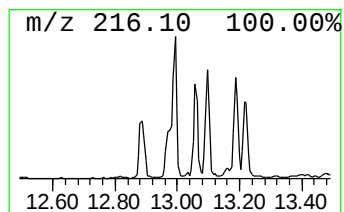
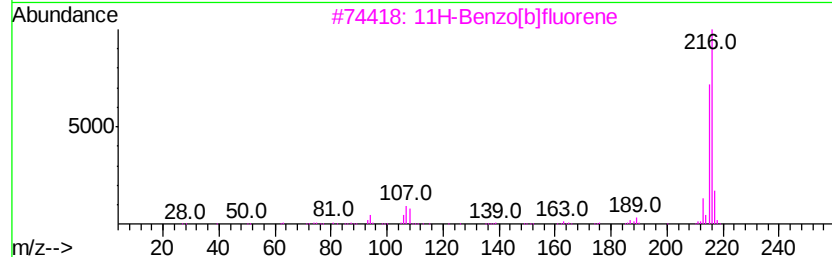
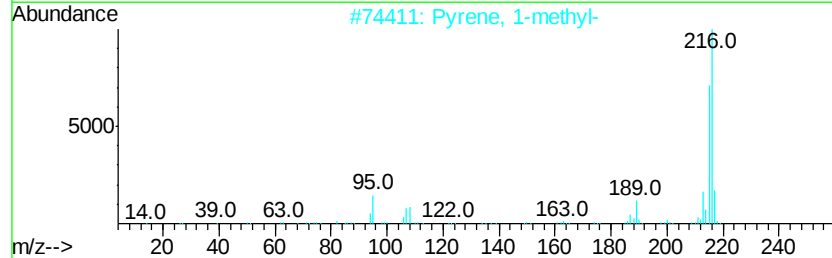
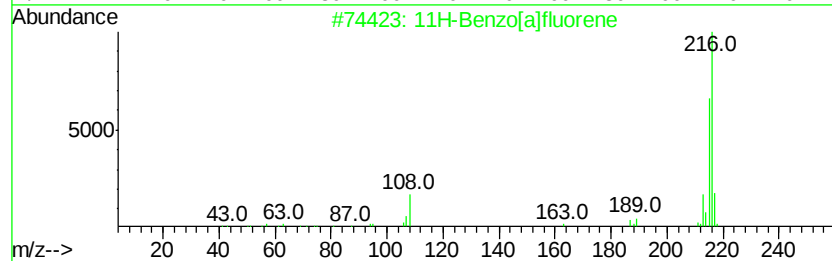
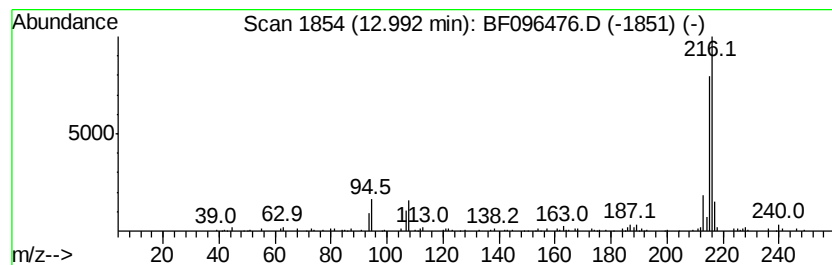
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	3.13 ng	154078	Chrysene-d12	13.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 91
2		Pyrene, 1-methyl-	216 C17H12	002381-21-7 90
3		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 90
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 72
5		Pyrene, 4-methyl-	216 C17H12	003353-12-6 53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
Data File : BF096476.D
Acq On : 5 Jul 2017 11:41
Operator : SJ/MA
Sample : I4031-01 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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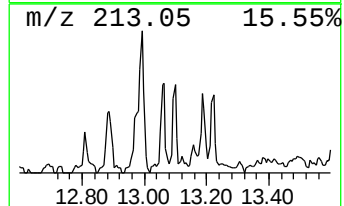
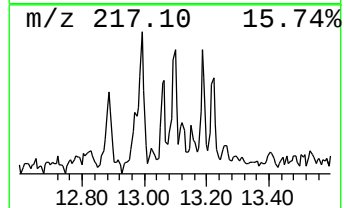
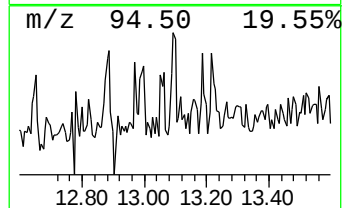
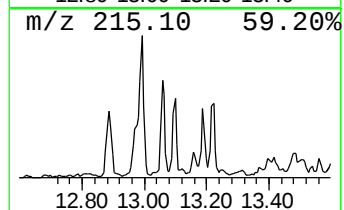
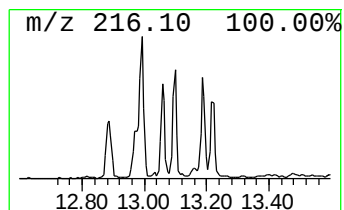
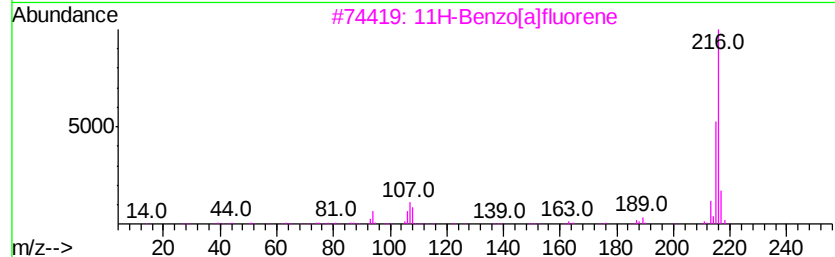
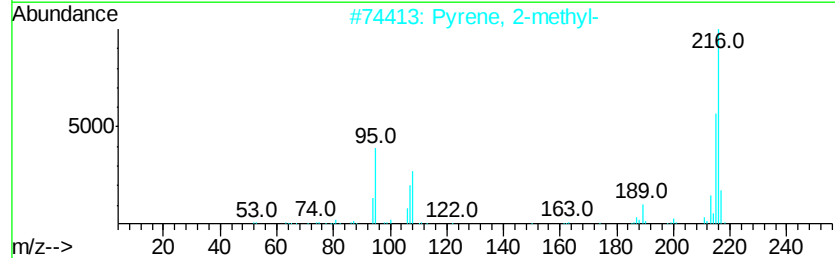
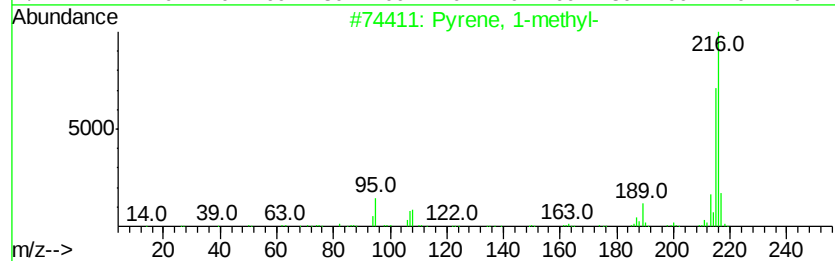
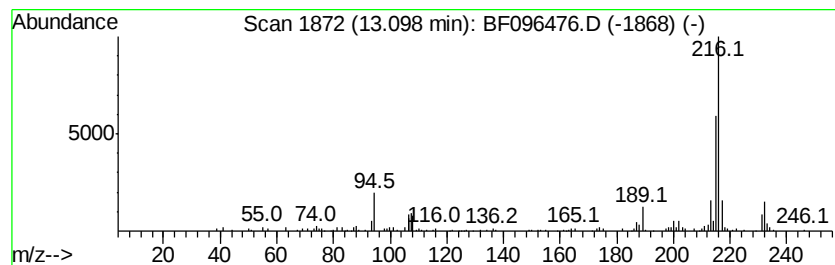
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	2.50 ng	122799	Chrysene-d12	13.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
Data File : BF096476.D
Acq On : 5 Jul 2017 11:41
Operator : SJ/MA
Sample : I4031-01 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

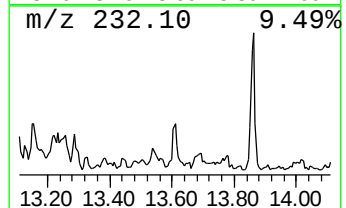
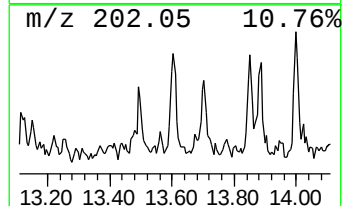
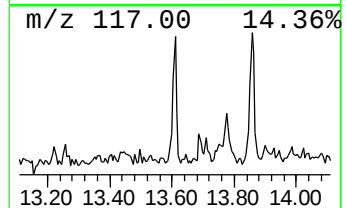
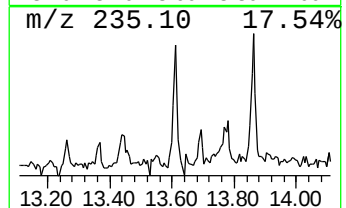
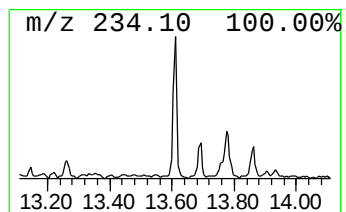
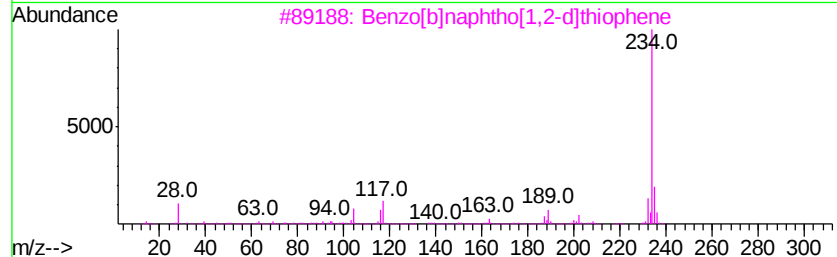
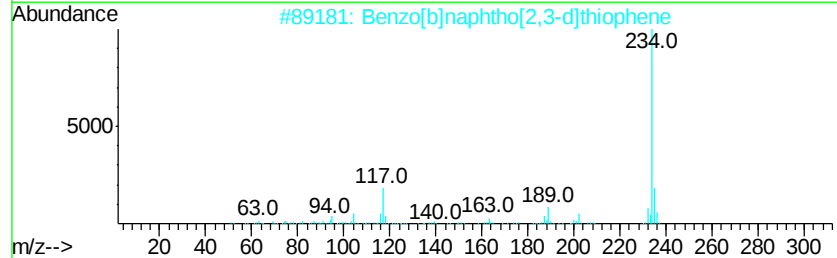
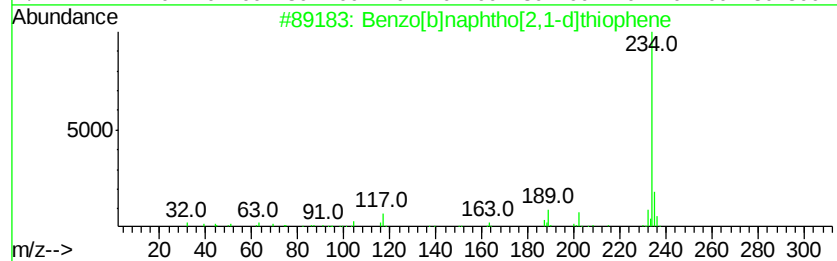
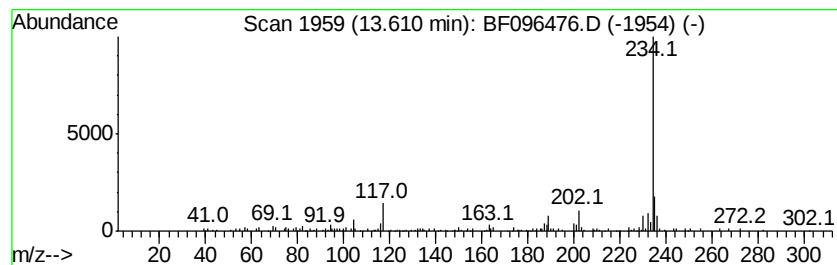
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	2.87 ng	141320	Chrysene-d12	13.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
4		Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	81
5		Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
Data File : BF096476.D
Acq On : 5 Jul 2017 11:41
Operator : SJ/MA
Sample : I4031-01 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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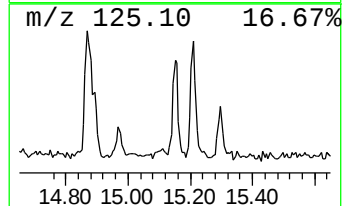
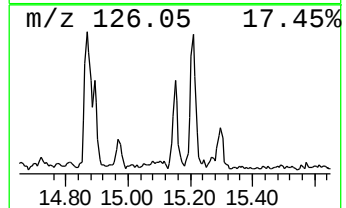
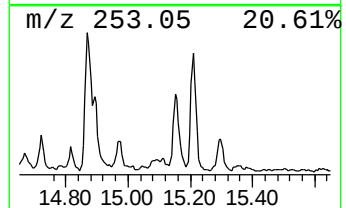
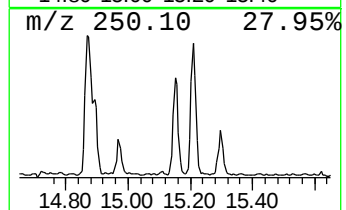
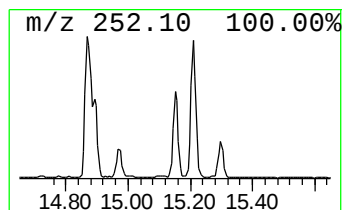
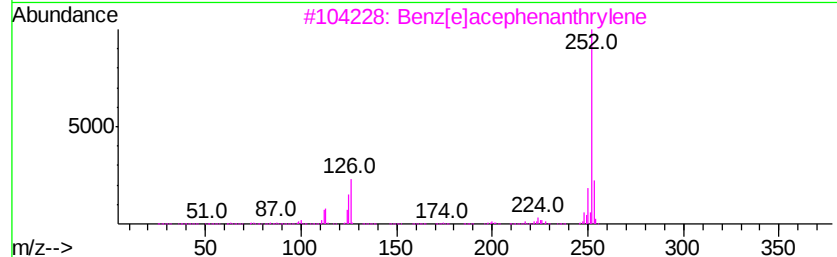
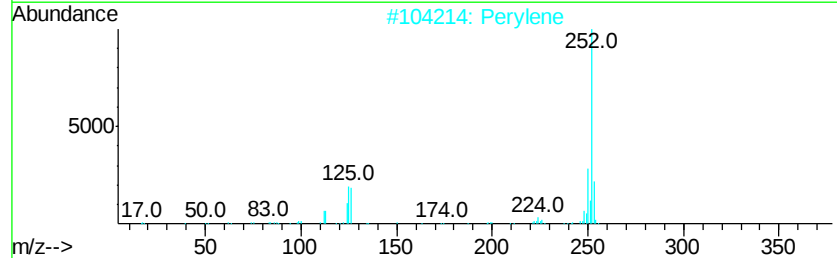
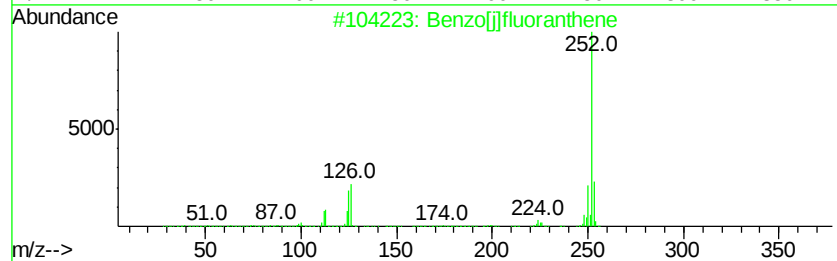
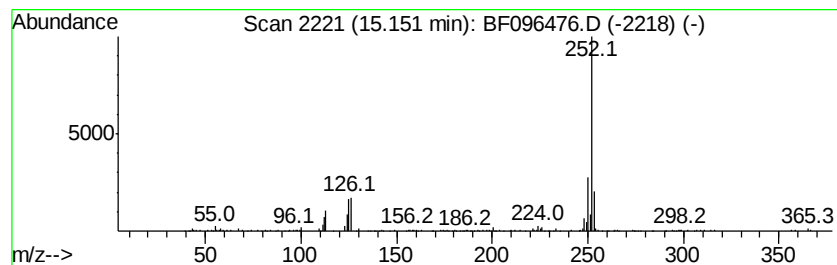
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	8.95 ng	205241	Perylene-d12	15.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[il]fluoranthene	252	C20H12	000205-82-3	93
2			Perylene	252	C20H12	000198-55-0	93
3			Benz[el]acephenanthrylene	252	C20H12	000205-99-2	93
4			Benzo[elpyrene	252	C20H12	000192-97-2	91
5			Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
 Data File : BF096476.D
 Acq On : 5 Jul 2017 11:41
 Operator : SJ/MA
 Sample : I4031-01 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 OR-02-063017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.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
2-Pentanone, 4-hy...	4.88	4.4	ng	144780	1	6.71	662967	20.0
unknown6.47	6.47	19.0	ng	629095	1	6.71	662967	20.0
Phenanthrene, 2-m...	11.73	4.9	ng	167764	4	11.23	691031	20.0
Anthracene, 2-met...	11.76	5.3	ng	181491	4	11.23	691031	20.0
4H-Cyclopenta[def...	11.84	7.4	ng	255111	4	11.23	691031	20.0
Anthracene, 9-met...	11.86	2.7	ng	94502	4	11.23	691031	20.0
Naphthalene, 2-ph...	12.02	3.4	ng	115656	4	11.23	691031	20.0
Benzo[c]cinnoline	12.04	2.8	ng	97840	4	11.23	691031	20.0
Phenanthrene, 2,5...	12.28	5.2	ng	179019	4	11.23	691031	20.0
unknown12.32	12.32	2.1	ng	71877	4	11.23	691031	20.0
9,10-Dimethylanthe...	12.36	2.0	ng	69180	4	11.23	691031	20.0
11H-Benzo[a]fluorene	12.99	3.1	ng	154078	5	13.86	983489	20.0
Pyrene, 1-methyl-	13.10	2.5	ng	122799	5	13.86	983489	20.0
Benzo[b]naphtho[2...	13.61	2.9	ng	141320	5	13.86	983489	20.0
Benzo[j]fluoranthene	15.15	8.9	ng	205241	6	15.27	458386	20.0