

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
 Data File : BF100585.D
 Acq On : 15 Nov 2017 13:56
 Operator : SJ/JU
 Sample : I6441-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

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-BF110817.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	5.116	511	515	528	rBV	461039	620431	19.94%	1.224%
2	5.510	574	582	585	rBV	2787846	2978037	95.69%	5.876%
3	5.604	595	598	602	rVB	101200	81371	2.61%	0.161%
4	6.510	746	752	758	rBV	2520789	3112063	100.00%	6.140%
5	6.657	771	777	780	rBV	2695362	2974496	95.58%	5.869%
6	6.880	812	815	819	rVB	984163	868008	27.89%	1.713%
7	7.039	838	842	845	rBV	2347748	2098719	67.44%	4.141%
8	7.445	900	911	914	rBV	1887521	1924841	61.85%	3.798%
9	8.163	1026	1033	1036	rBV	1288418	1225550	39.38%	2.418%
10	8.186	1036	1037	1040	rVV	192295	95046	3.05%	0.188%
11	8.716	1123	1127	1130	rBV	157596	124128	3.99%	0.245%
12	8.874	1151	1154	1158	rVB	138670	109501	3.52%	0.216%
13	8.974	1167	1171	1174	rBV	121438	96949	3.12%	0.191%
14	9.239	1211	1216	1219	rVB	2886323	2559848	82.26%	5.050%
15	9.310	1225	1228	1231	rBV	72483	77050	2.48%	0.152%
16	9.504	1257	1261	1264	rVB	66287	84872	2.73%	0.167%
17	9.574	1270	1273	1275	rBV	124223	110640	3.56%	0.218%
18	9.627	1280	1282	1286	rVB3	152913	135607	4.36%	0.268%
19	9.780	1305	1308	1311	rBV	88240	84330	2.71%	0.166%
20	9.921	1328	1332	1334	rVB	1254549	1084500	34.85%	2.140%
21	9.951	1334	1337	1340	rVB	529444	403910	12.98%	0.797%
22	10.074	1353	1358	1361	rBV3	61815	84243	2.71%	0.166%
23	10.121	1361	1366	1369	rVB2	285435	266412	8.56%	0.526%
24	10.157	1369	1372	1376	rVB2	80282	73543	2.36%	0.145%
25	10.233	1381	1385	1387	rBV2	90095	95760	3.08%	0.189%
26	10.321	1396	1400	1402	rBV4	70921	91342	2.94%	0.180%
27	10.463	1421	1424	1430	rVB	511827	467724	15.03%	0.923%
28	10.551	1437	1439	1442	rVV2	92283	84932	2.73%	0.168%
29	10.627	1448	1452	1455	rVB2	499343	503204	16.17%	0.993%
30	10.710	1459	1466	1469	rBV	1656930	1668393	53.61%	3.292%
31	10.827	1481	1486	1489	rBV2	145784	180272	5.79%	0.356%
32	11.010	1511	1517	1520	rBV3	128166	177628	5.71%	0.350%
33	11.039	1520	1522	1526	rVV	99517	97293	3.13%	0.192%
34	11.092	1529	1531	1534	rVB	73514	69929	2.25%	0.138%

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35	11.139	1534	1539	1541	rBV3	80756	108089	3.47%	0.213%
36	11.162	1541	1543	1547	rVV	98489	104190	3.35%	0.206%
37	11.210	1548	1551	1554	rVV2	71402	77787	2.50%	0.153%
38	11.262	1555	1560	1562	rVV3	120521	171031	5.50%	0.337%
39	11.298	1563	1566	1571	rVB2	209621	233113	7.49%	0.460%
40	11.404	1580	1584	1586	rBV	1024295	1030723	33.12%	2.034%
41	11.433	1586	1589	1592	rVV	2555301	2215483	71.19%	4.371%
42	11.480	1594	1597	1600	rVV	885271	709863	22.81%	1.401%
43	11.510	1600	1602	1605	rVV2	144027	145313	4.67%	0.287%
44	11.562	1608	1611	1616	rVB3	49652	91350	2.94%	0.180%
45	11.633	1616	1623	1628	rBV2	287737	364440	11.71%	0.719%
46	11.698	1630	1634	1636	rVV2	69358	105021	3.37%	0.207%
47	11.904	1666	1669	1671	rBV	311845	296273	9.52%	0.585%
48	11.933	1671	1674	1678	rVB	440664	445736	14.32%	0.879%
49	11.980	1678	1682	1685	rBV	193688	182344	5.86%	0.360%
50	12.021	1685	1689	1691	rVV	496054	606633	19.49%	1.197%
51	12.039	1691	1692	1695	rVB	230318	125781	4.04%	0.248%
52	12.098	1697	1702	1706	rVV4	55064	97754	3.14%	0.193%
53	12.198	1716	1719	1721	rVV	264389	224928	7.23%	0.444%
54	12.221	1721	1723	1726	rVV2	109712	101754	3.27%	0.201%
55	12.351	1742	1745	1747	rVB	78334	69666	2.24%	0.137%
56	12.380	1747	1750	1752	rBV	79215	71176	2.29%	0.140%
57	12.457	1759	1763	1765	rBV	204495	212976	6.84%	0.420%
58	12.492	1765	1769	1771	rVV3	128031	182624	5.87%	0.360%
59	12.539	1775	1777	1782	rVB2	83356	114461	3.68%	0.226%
60	12.621	1787	1791	1794	rBV	2325998	2099472	67.46%	4.142%
61	12.656	1794	1797	1799	rVV2	96816	92685	2.98%	0.183%
62	12.768	1813	1816	1818	rBV	87985	75641	2.43%	0.149%
63	12.851	1823	1830	1835	rBV2	1904037	2203160	70.79%	4.347%
64	12.898	1835	1838	1842	rVB2	123918	151179	4.86%	0.298%
65	12.962	1846	1849	1850	rBV2	122897	108650	3.49%	0.214%
66	12.986	1850	1853	1860	rVB	1650043	1593143	51.19%	3.143%
67	13.056	1861	1865	1869	rBV3	164364	258884	8.32%	0.511%
68	13.151	1877	1881	1882	rVV3	92722	117236	3.77%	0.231%
69	13.174	1882	1885	1888	rVB	451145	408193	13.12%	0.805%
70	13.239	1893	1896	1898	rBV	403314	314556	10.11%	0.621%
71	13.274	1898	1902	1905	rVB2	189177	190785	6.13%	0.376%

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72	13.368	1915	1918	1921	rVB	126311	106396	3.42%	0.210%
73	13.398	1921	1923	1926	rBV	116563	109340	3.51%	0.216%
74	13.551	1946	1949	1951	rBV2	54363	72054	2.32%	0.142%
75	13.656	1963	1967	1969	rBV2	80619	115048	3.70%	0.227%
76	13.680	1969	1971	1975	rVB2	86319	105169	3.38%	0.207%
77	13.792	1987	1990	1992	rBV	160232	141031	4.53%	0.278%
78	13.821	1992	1995	1997	rVV	157918	143210	4.60%	0.283%
79	13.845	1997	1999	2002	rVV2	125876	172493	5.54%	0.340%
80	13.874	2002	2004	2014	rVB3	133664	218620	7.02%	0.431%
81	14.039	2025	2032	2035	rBV3	1332852	2043281	65.66%	4.031%
82	14.068	2035	2037	2043	rVB	999222	918212	29.50%	1.812%
83	14.151	2048	2051	2054	rVB	156668	124814	4.01%	0.246%
84	14.262	2066	2070	2074	rBV2	103115	145050	4.66%	0.286%
85	14.427	2093	2098	2101	rVV	247695	280947	9.03%	0.554%
86	14.456	2101	2103	2106	rVV	125264	119413	3.84%	0.236%
87	14.498	2108	2110	2111	rVV2	80379	72629	2.33%	0.143%
88	14.521	2112	2114	2117	rVV	137787	131970	4.24%	0.260%
89	14.551	2117	2119	2121	rVV	157672	139077	4.47%	0.274%
90	14.574	2121	2123	2126	rVB	149831	124445	4.00%	0.246%
91	15.086	2205	2210	2213	rBV	716170	1136840	36.53%	2.243%
92	15.192	2225	2228	2232	rBV	182454	184719	5.94%	0.364%
93	15.392	2258	2262	2268	rVB	448165	614760	19.75%	1.213%
94	15.456	2268	2273	2279	rBV	700944	865985	27.83%	1.709%
95	15.521	2279	2284	2287	rVV	587571	823003	26.45%	1.624%
96	15.550	2287	2289	2295	rVB2	227440	274849	8.83%	0.542%
97	16.086	2377	2380	2389	rVB3	72817	123252	3.96%	0.243%
98	17.003	2530	2536	2543	rVB2	230609	432107	13.88%	0.853%
99	17.450	2606	2612	2624	rVB	170255	393425	12.64%	0.776%
100	17.686	2648	2652	2664	rVB	62866	140548	4.52%	0.277%

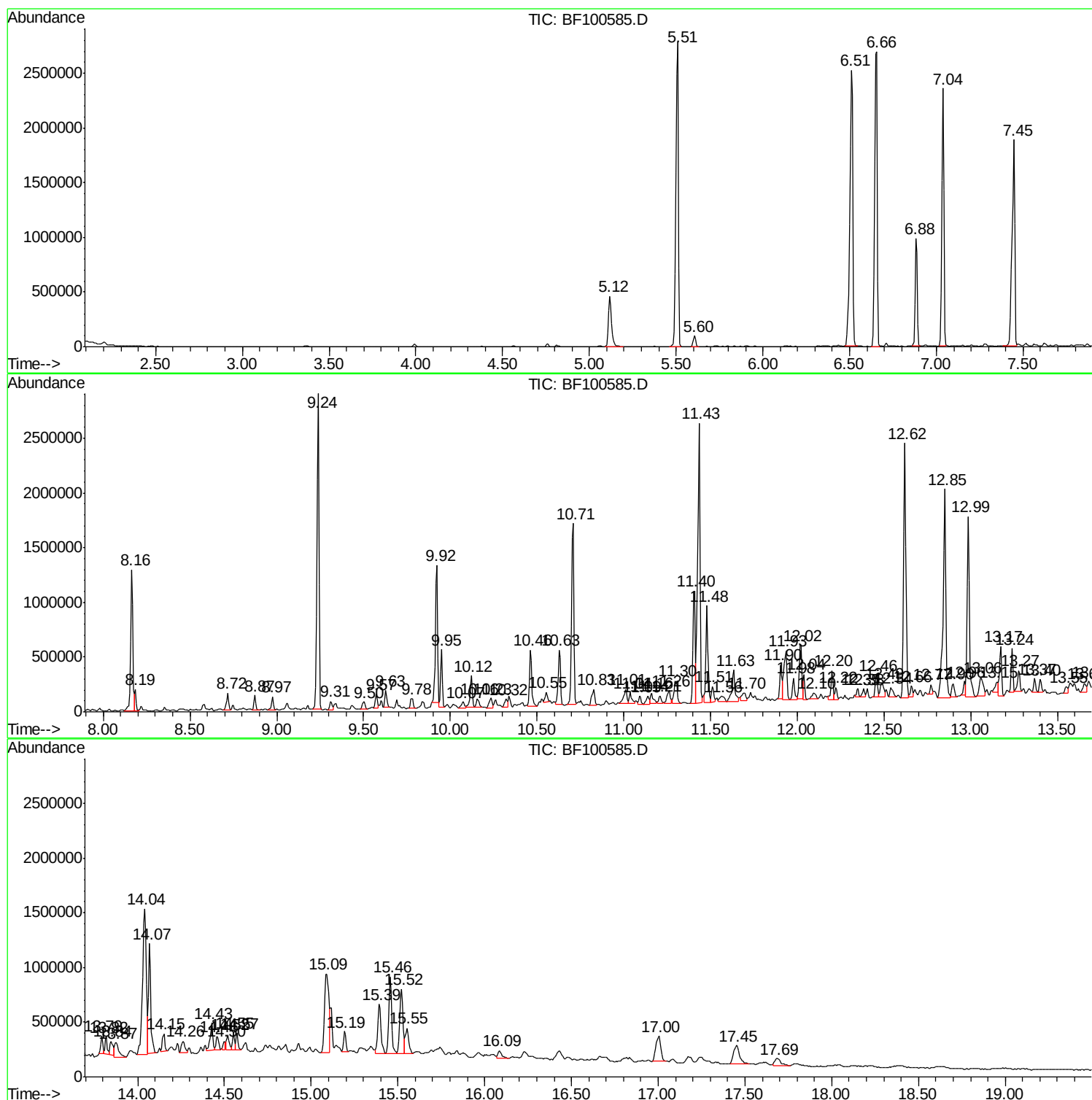
Sum of corrected areas: 50685352

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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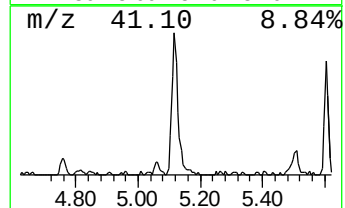
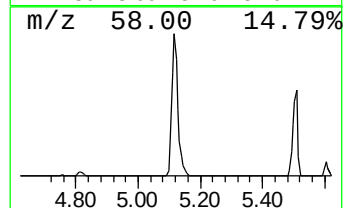
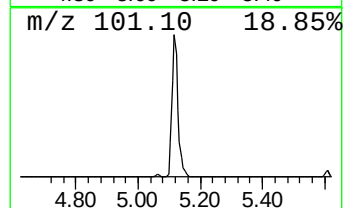
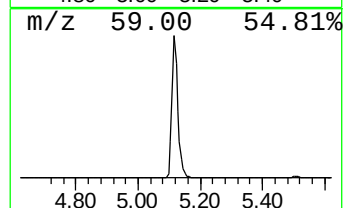
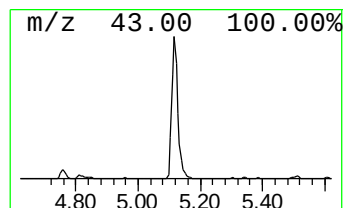
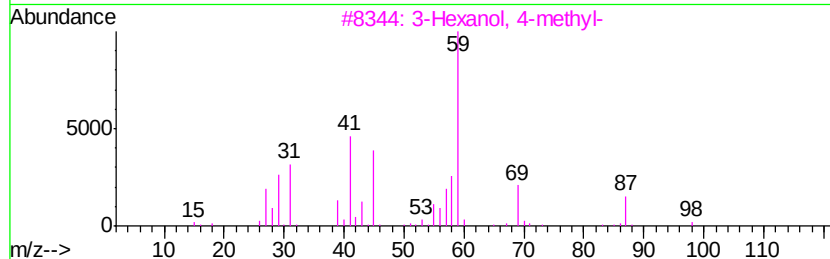
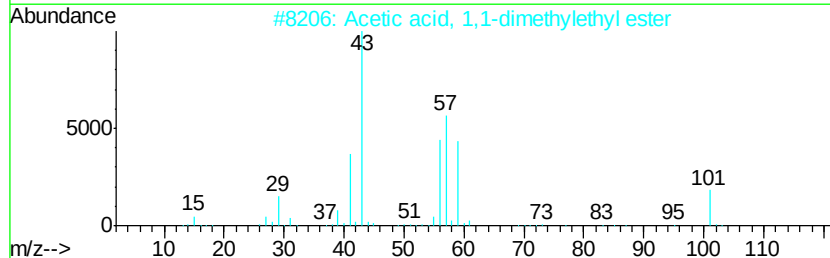
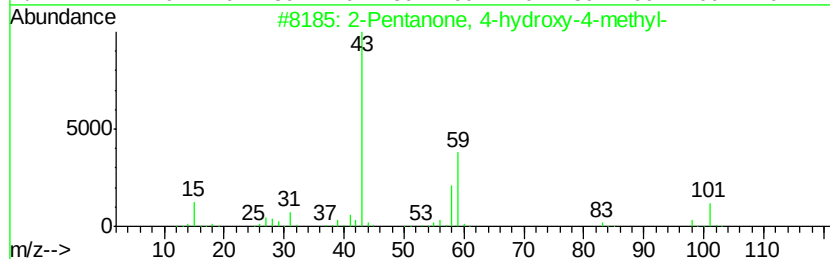
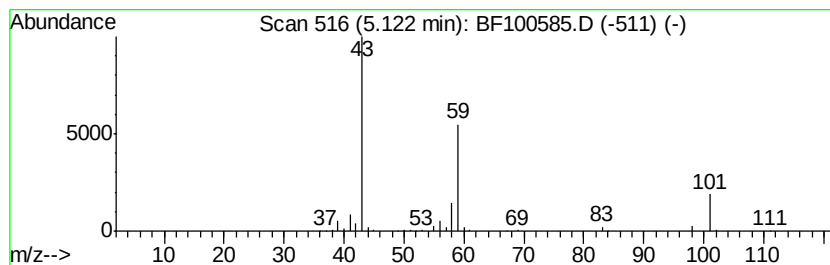
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	14.30 ng	620431	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10



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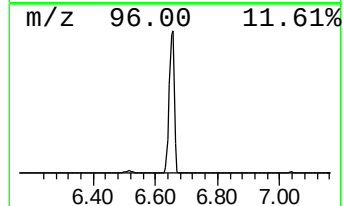
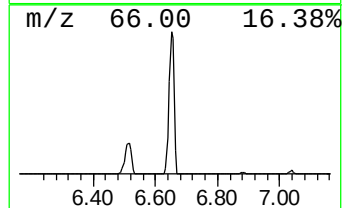
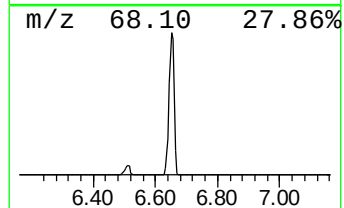
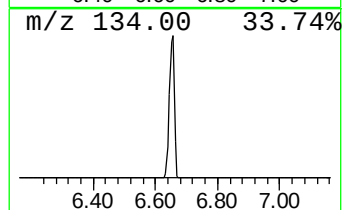
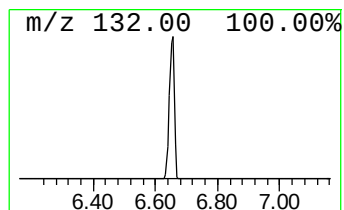
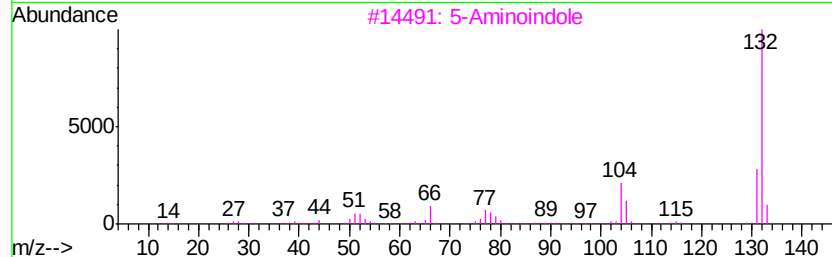
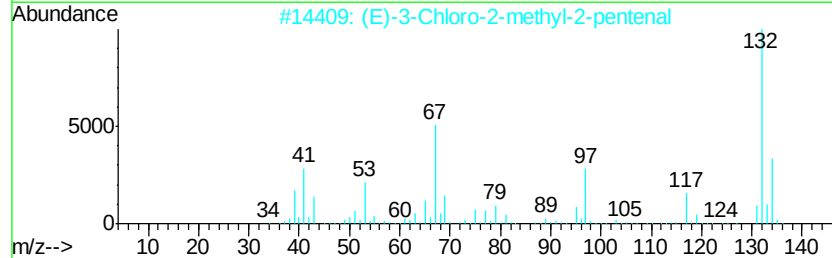
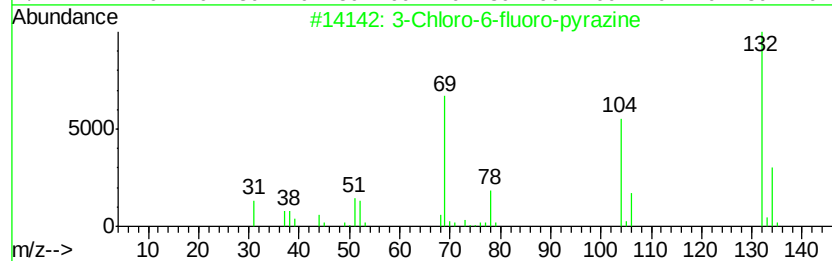
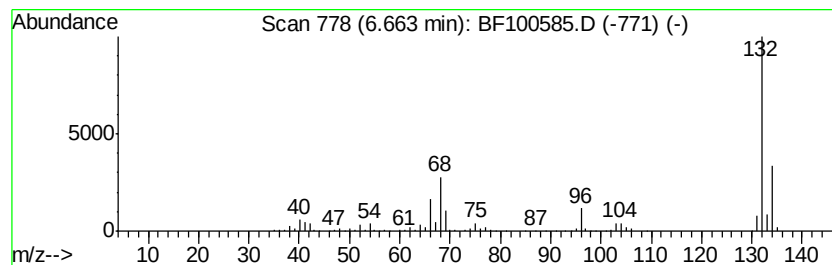
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	68.54 ng	2974500	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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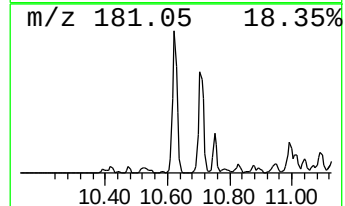
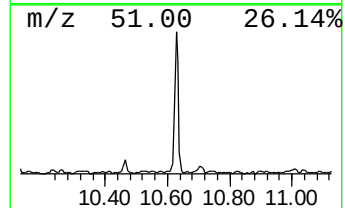
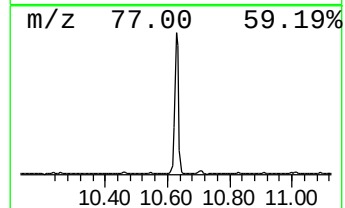
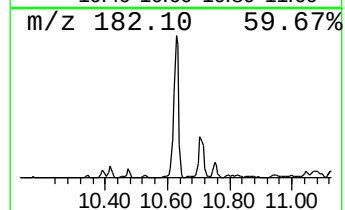
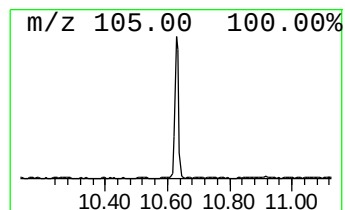
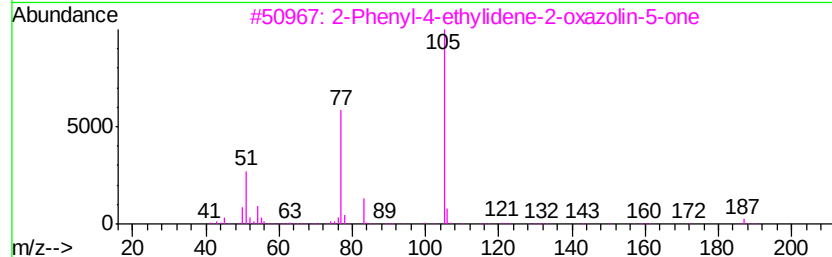
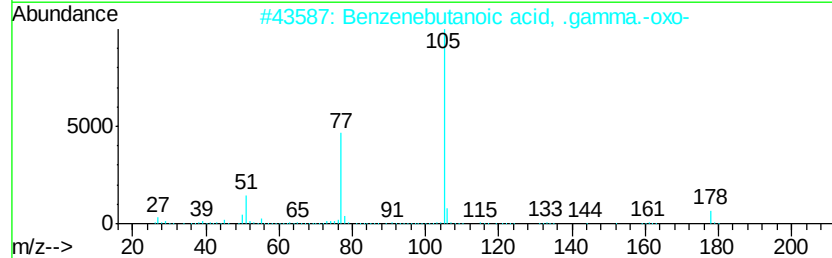
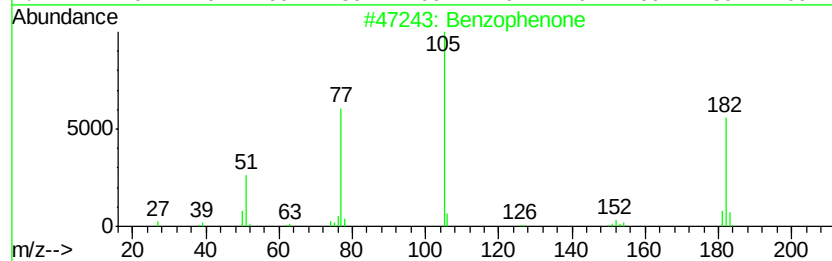
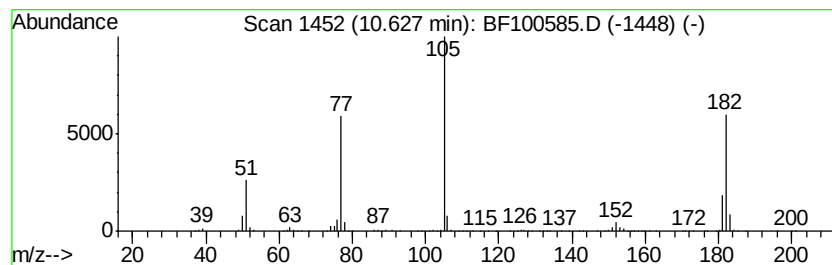
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	9.28 ng	503204	Acenaphthene-d10	9.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzophenone	182 C13H10O	000119-61-9 97
2		Benzenebutanoic acid, .gamma.-oxo-	178 C10H10O3	002051-95-8 47
3		2-Phenyl-4-ethylidene-2-oxazolin...	187 C11H9N02	037791-41-6 47
4		N-Methoxy-N-methylbenzamide	165 C9H11N02	006919-61-5 47
5		Benzoyl bromide	184 C7H5BrO	000618-32-6 47



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Operator : SJ/JU
Sample : I6441-07
Misc :
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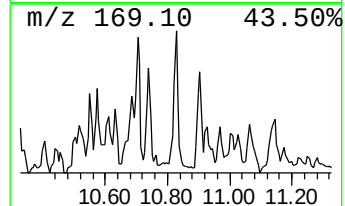
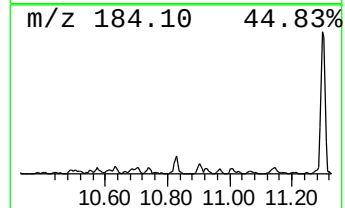
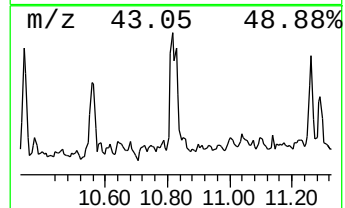
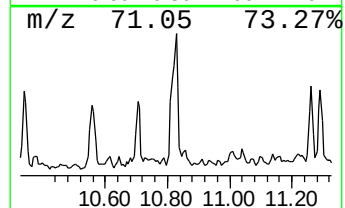
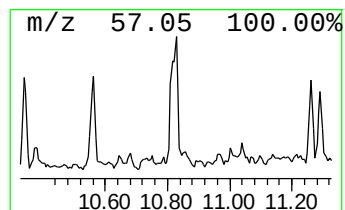
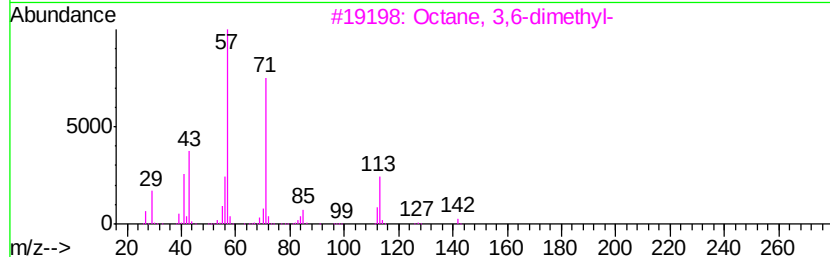
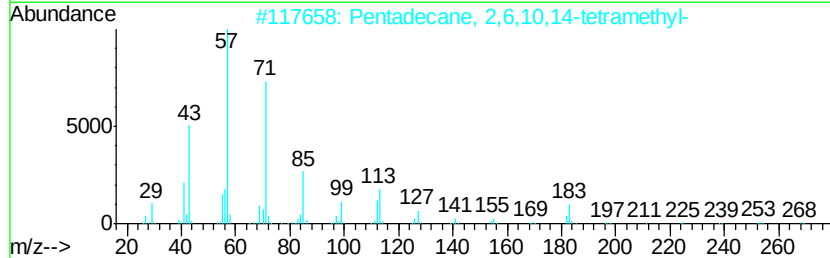
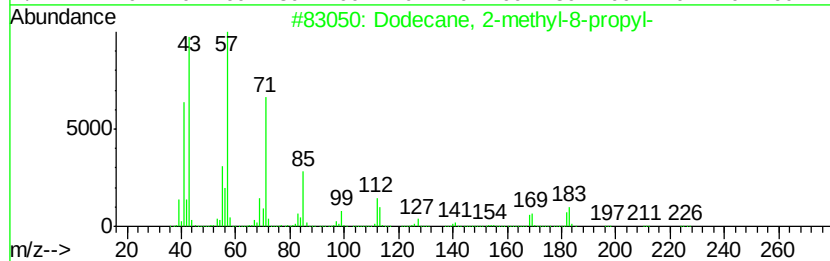
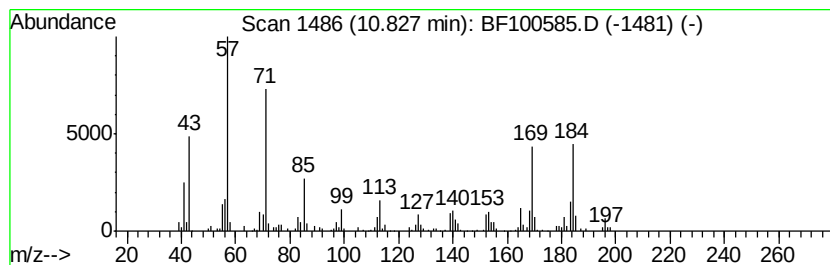
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown10.83 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.83	3.50 ng	180272	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	43
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	38
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	38
4	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	38
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100585.D
Acq On : 15 Nov 2017 13:56
Operator : SJ/JU
Sample : I6441-07
Misc :
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Instrument :
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ClientSampleId :
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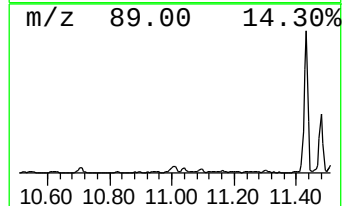
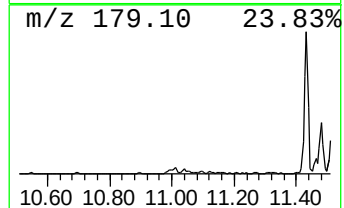
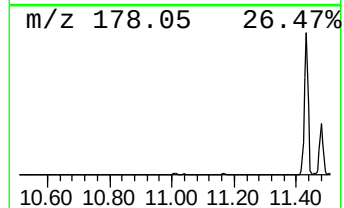
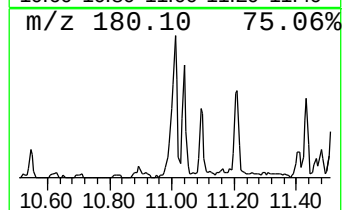
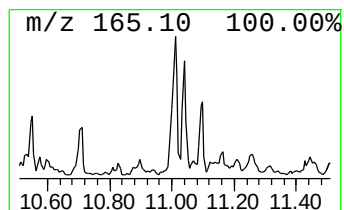
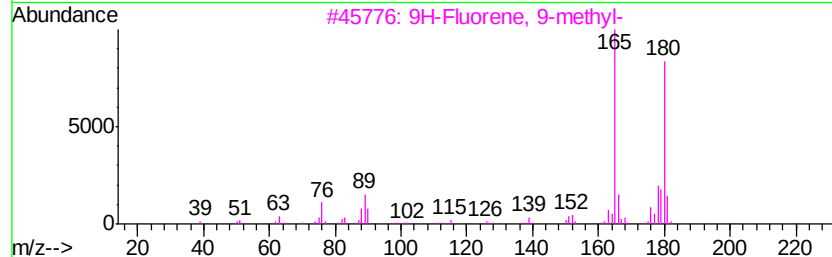
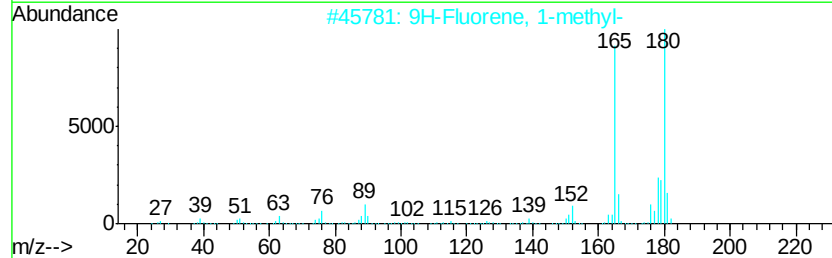
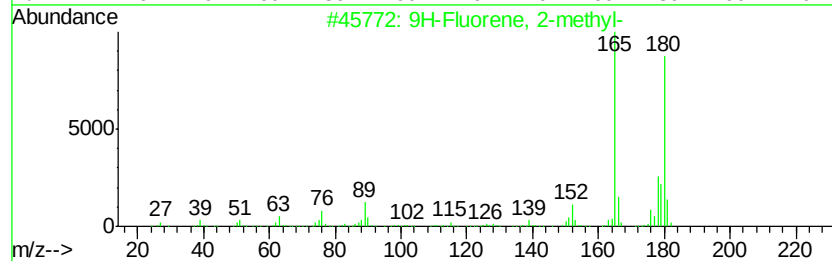
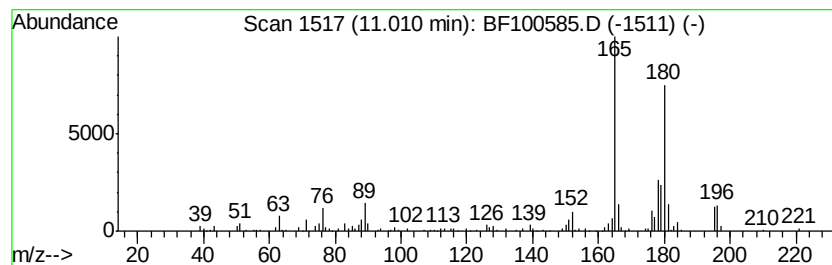
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	3.45 ng	177628	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
5		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100585.D
Acq On : 15 Nov 2017 13:56
Operator : SJ/JU
Sample : I6441-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

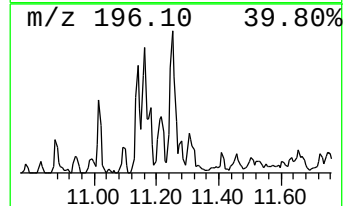
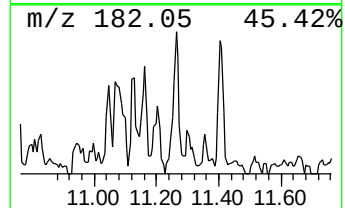
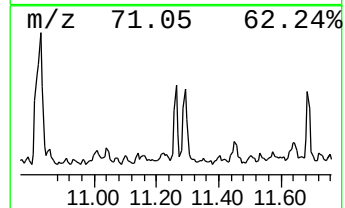
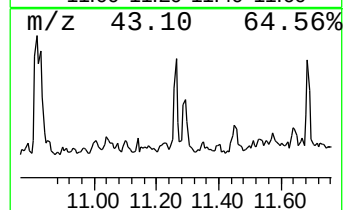
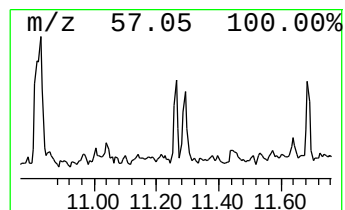
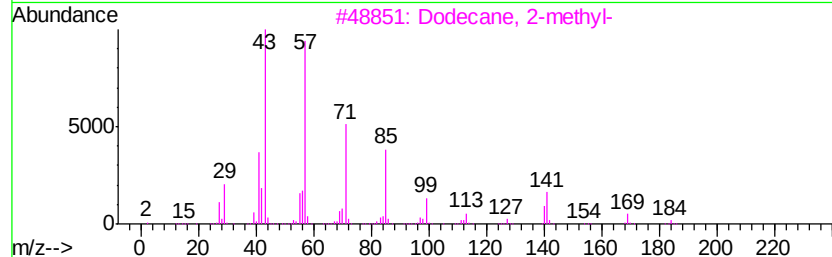
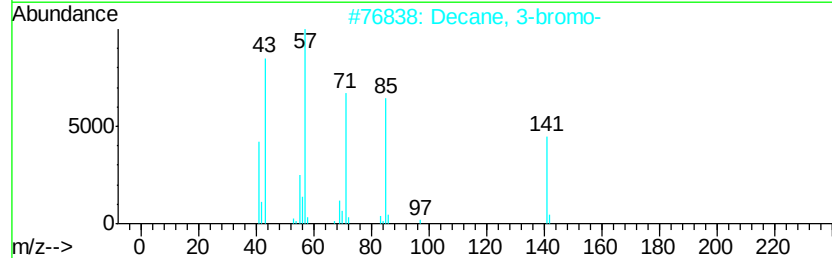
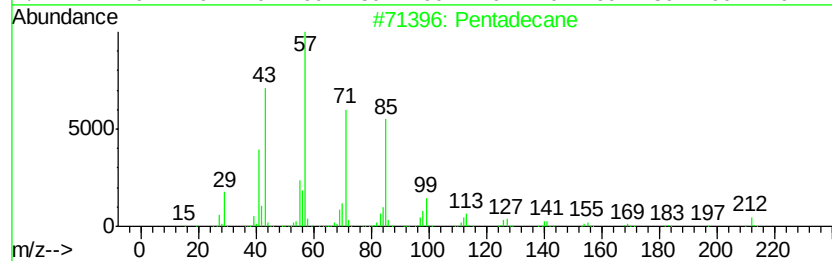
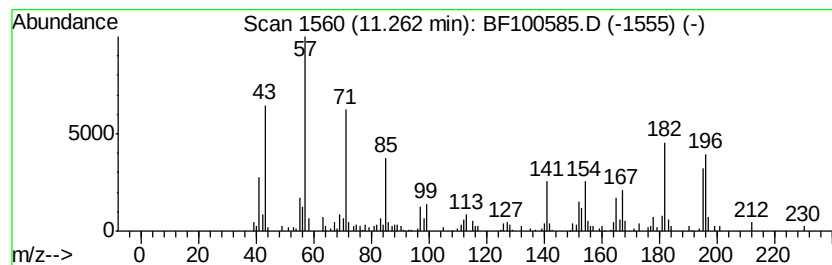
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown11.26 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.26	3.32 ng	171031	Phenanthrene-d10		11.40
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	44
2	Decane, 3-bromo-	220	C10H21Br	030571-71-2	22
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	20
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8	14
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
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Acq On : 15 Nov 2017 13:56
Operator : SJ/JU
Sample : I6441-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

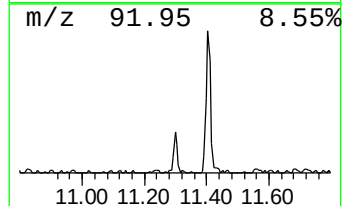
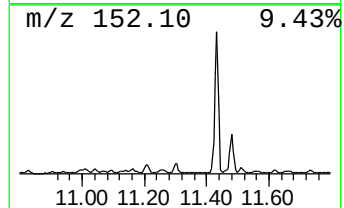
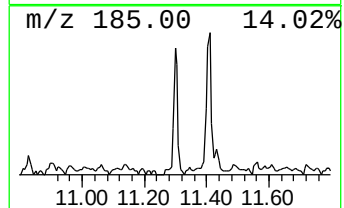
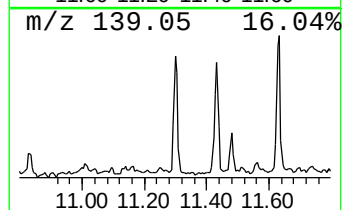
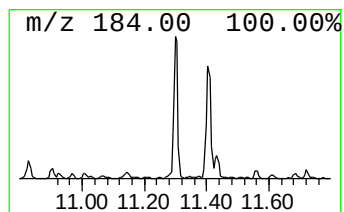
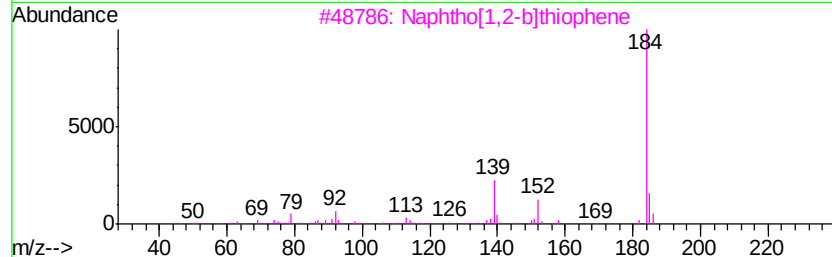
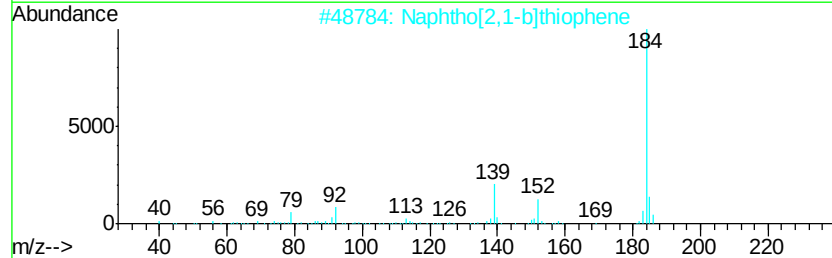
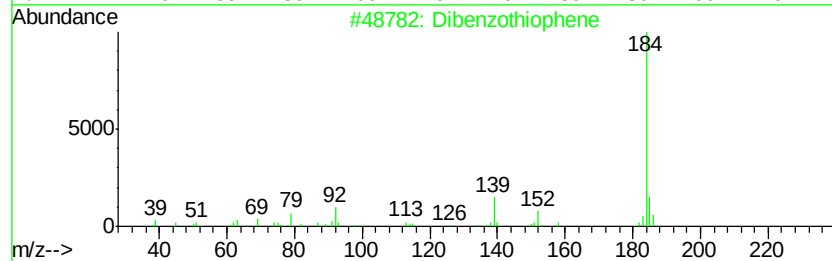
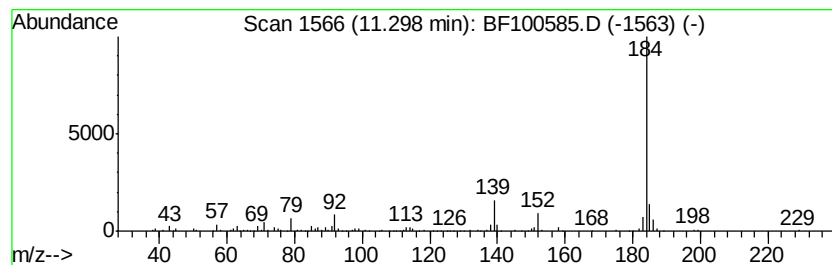
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	4.52 ng	233113	Phenanthrene-d10	11.40
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dibenzothiophene	184 C12H8S	000132-65-0	96
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	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
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Sample : I6441-07
Misc :
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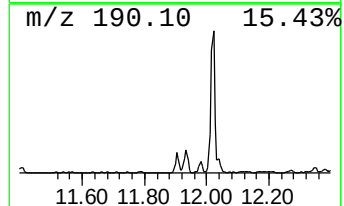
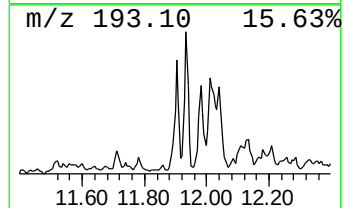
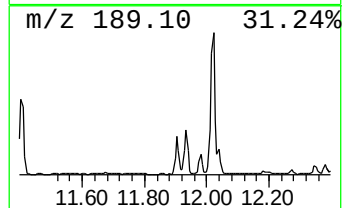
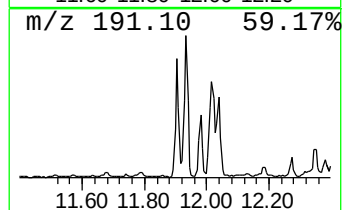
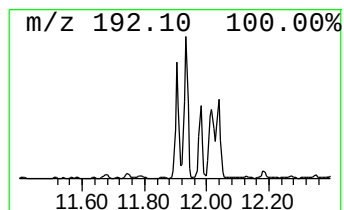
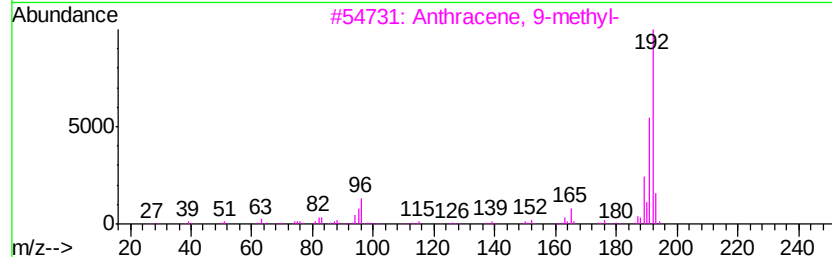
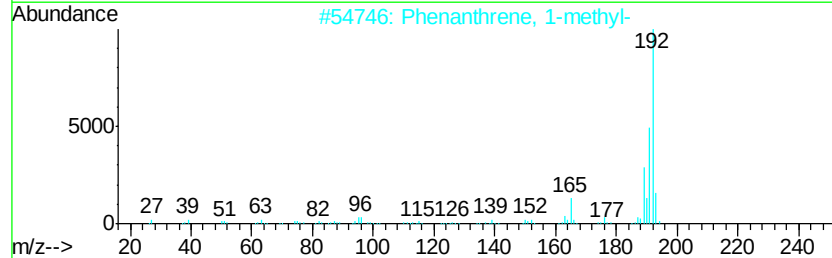
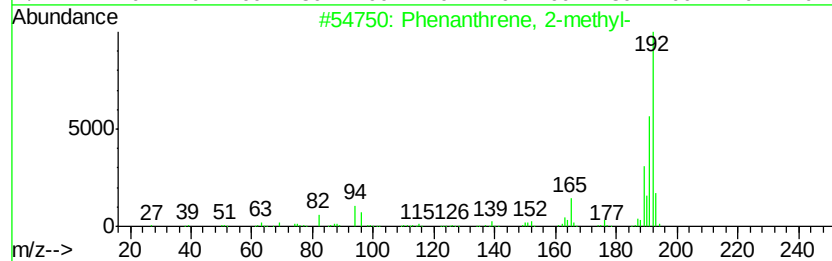
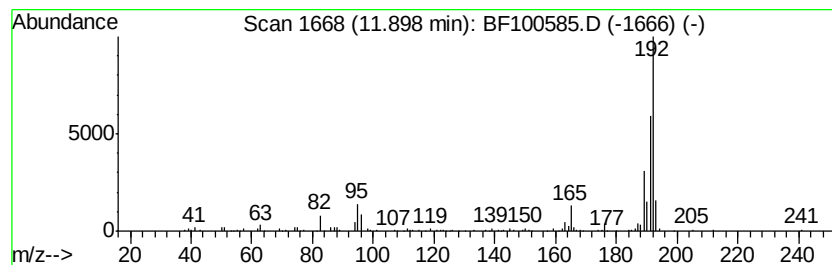
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.90	5.75 ng	296273	Phenanthrene-d10		11.40
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100585.D
Acq On : 15 Nov 2017 13:56
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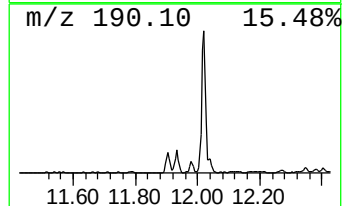
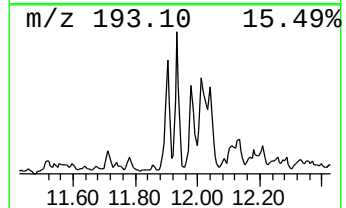
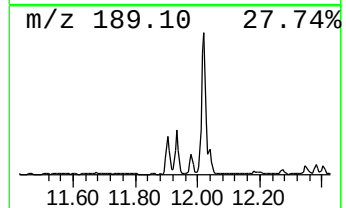
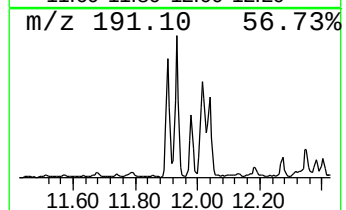
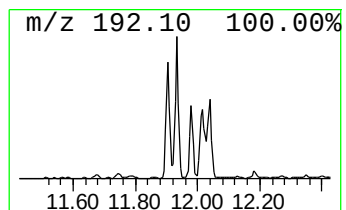
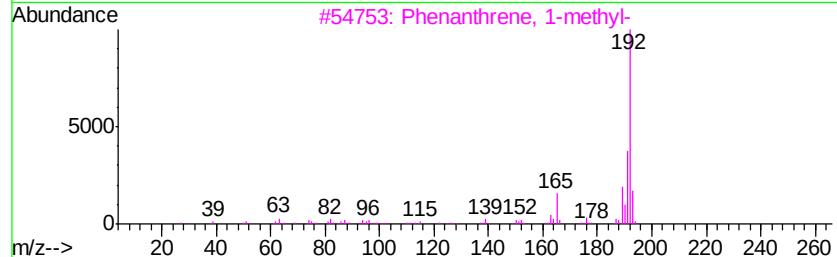
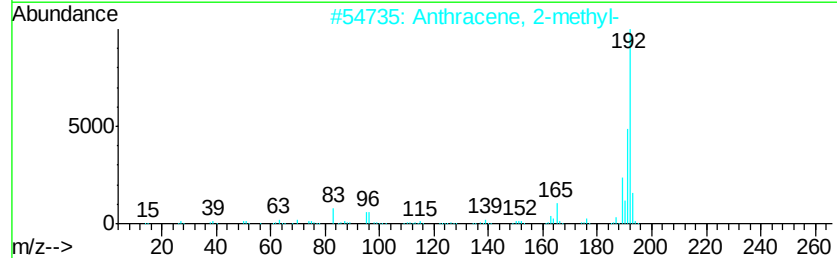
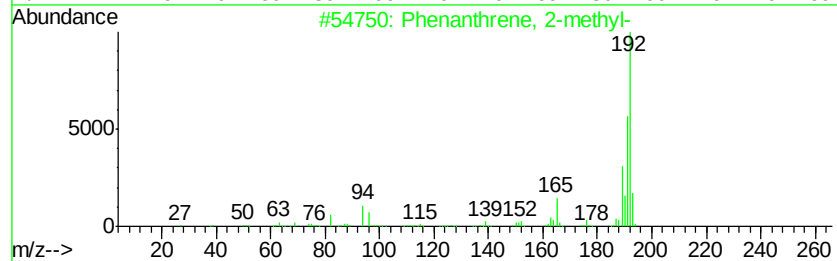
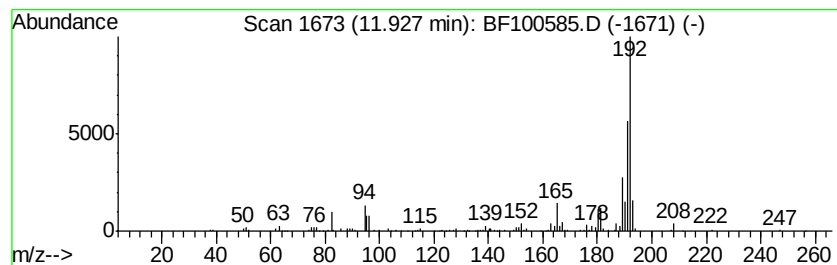
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	8.65 ng	445736	Phenanthrene-d10	11.40

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
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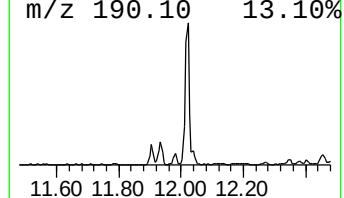
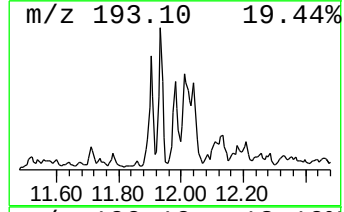
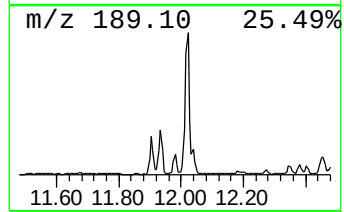
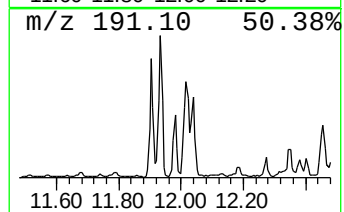
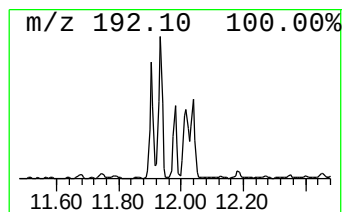
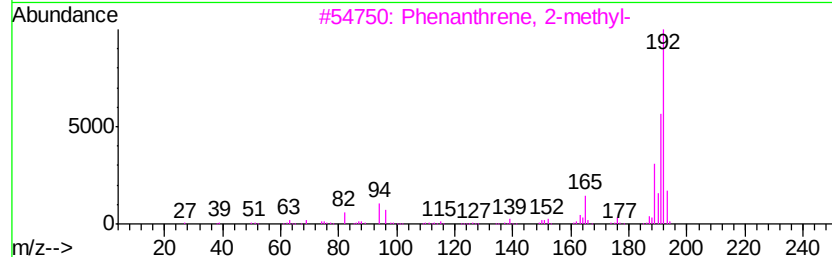
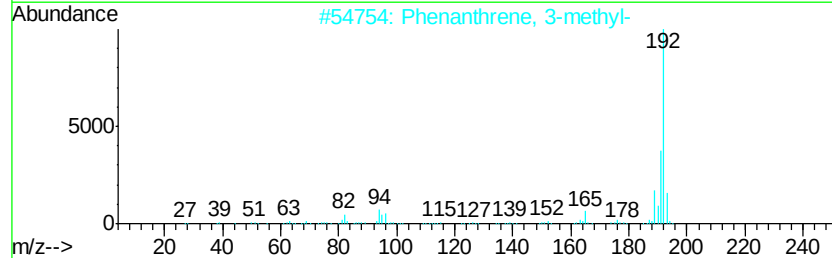
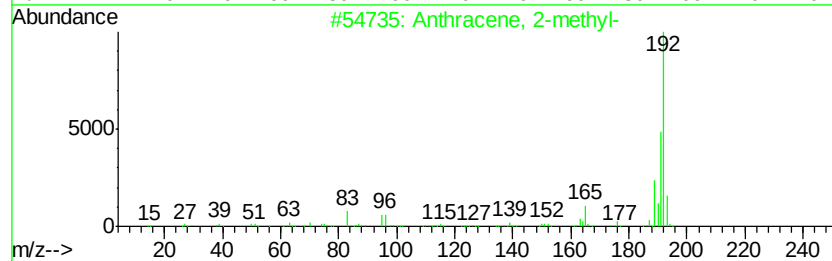
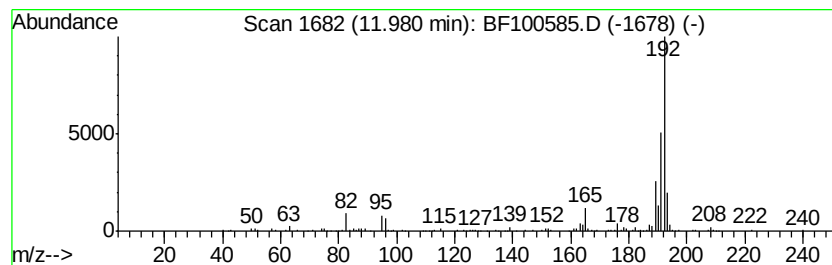
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.98	3.54 ng	182344	Phenanthrene-d10		11.40
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100585.D
Acq On : 15 Nov 2017 13:56
Operator : SJ/JU
Sample : I6441-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

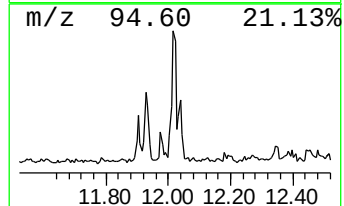
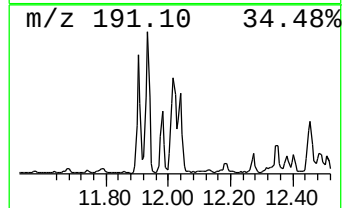
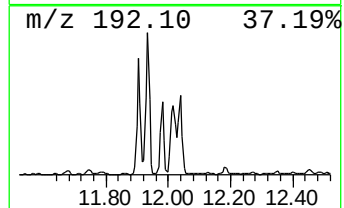
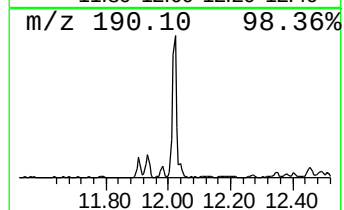
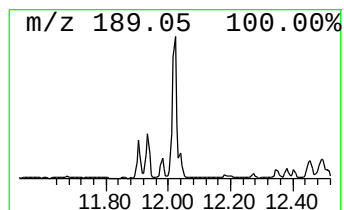
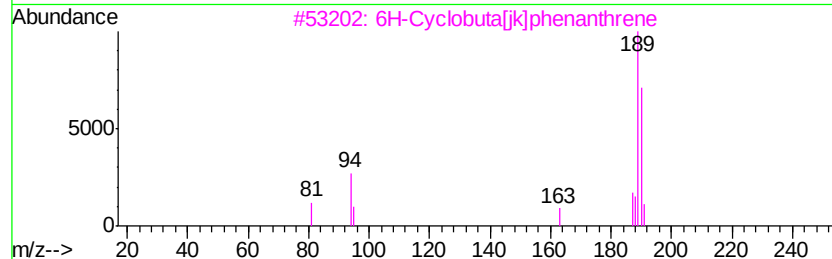
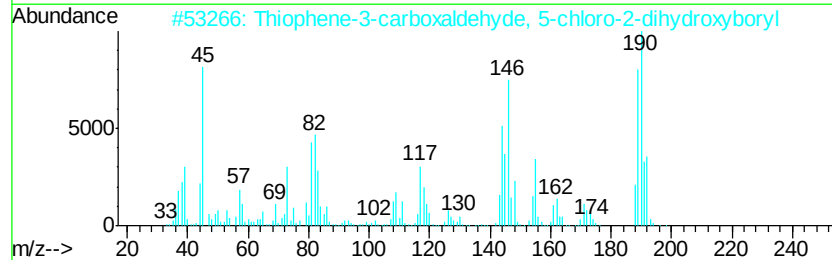
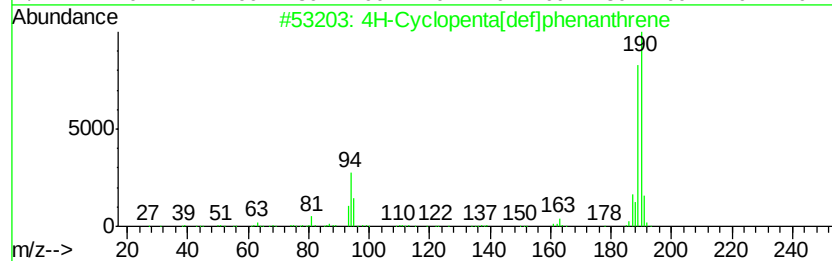
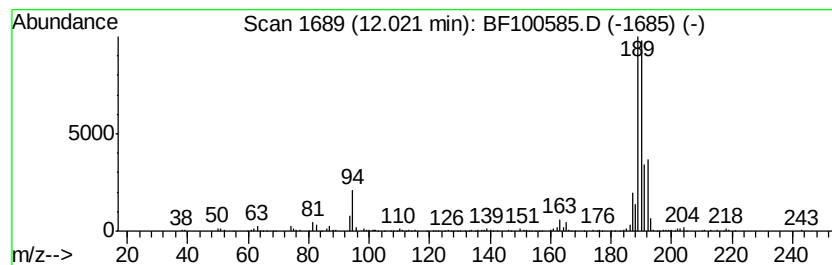
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.02	11.77 ng	606633	Phenanthrene-d10	11.40		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5		Methyl diselenide	190	C2H6Se2	007101-31-7	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100585.D
Acq On : 15 Nov 2017 13:56
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Instrument :
BNA_F
ClientSampleId :
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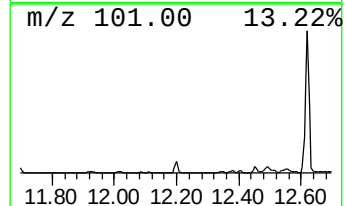
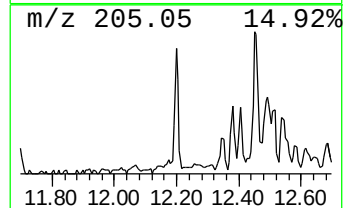
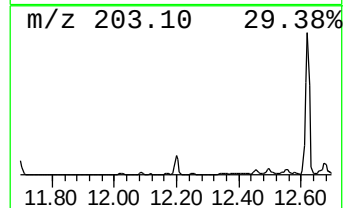
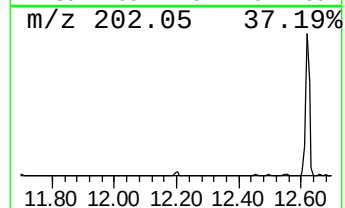
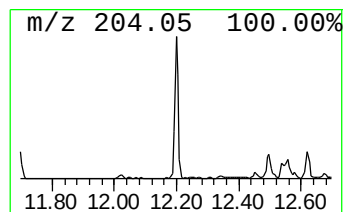
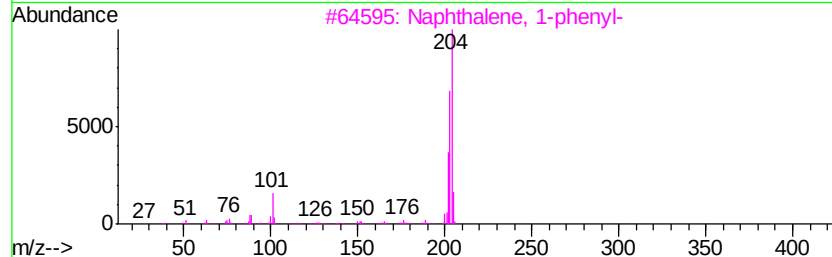
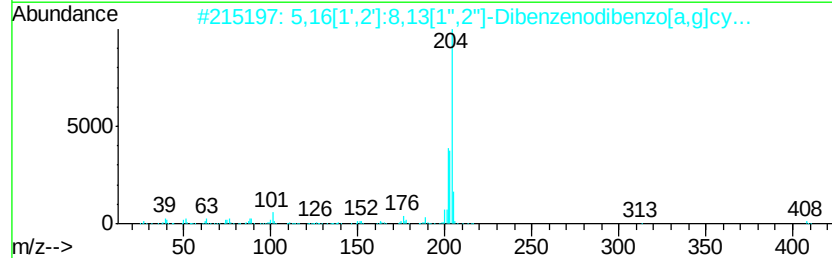
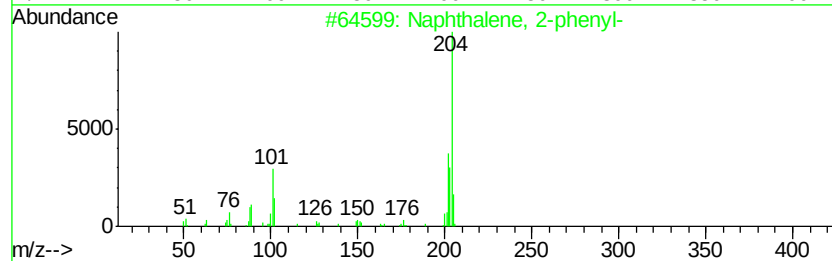
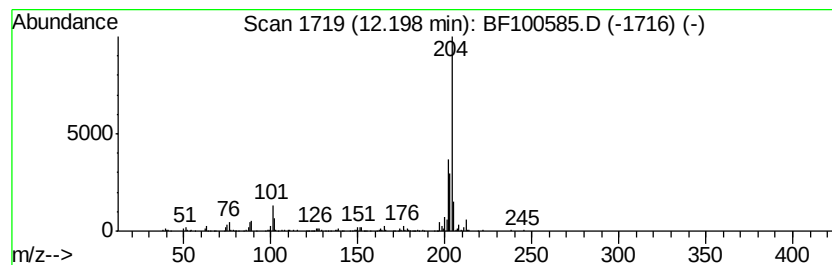
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	4.36 ng	224928	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100585.D
Acq On : 15 Nov 2017 13:56
Operator : SJ/JU
Sample : I6441-07
Misc :
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Instrument :
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ClientSampleId :
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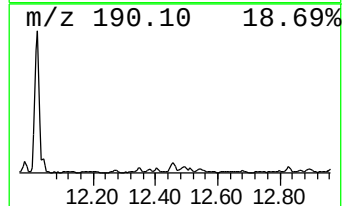
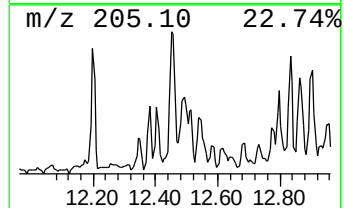
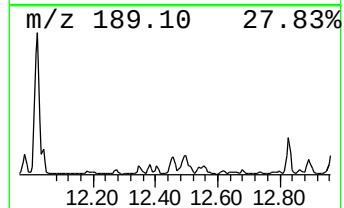
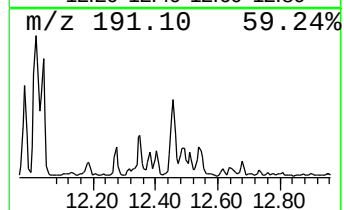
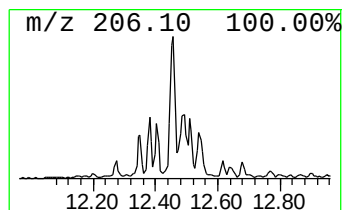
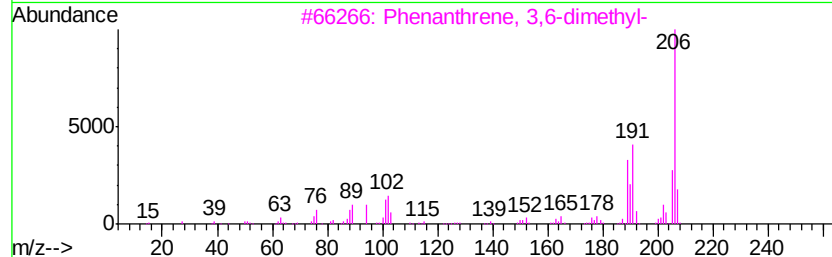
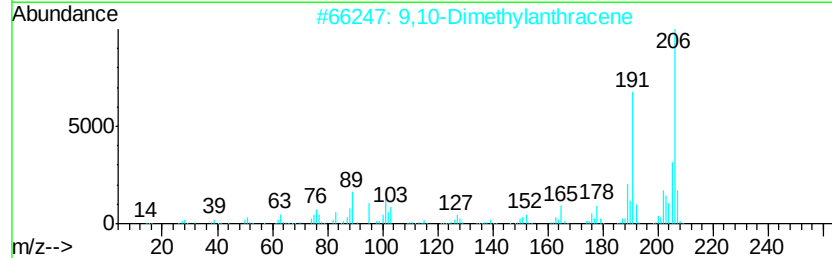
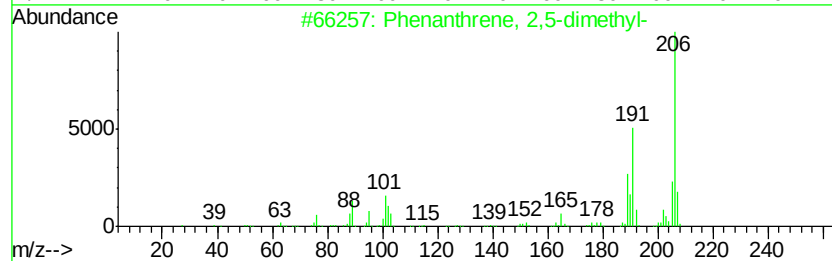
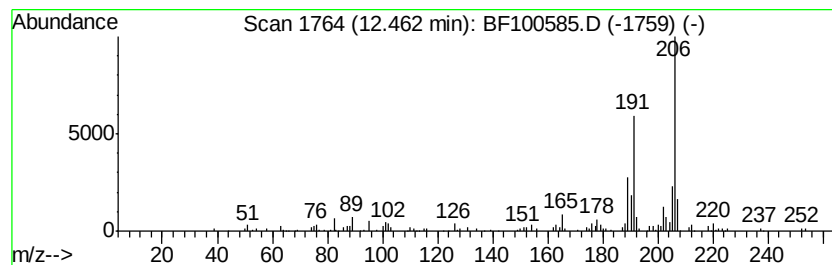
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	4.13 ng	212976	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100585.D
Acq On : 15 Nov 2017 13:56
Operator : SJ/JU
Sample : I6441-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

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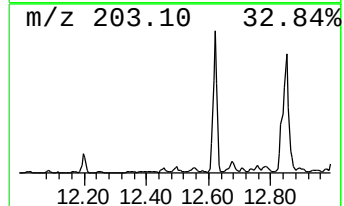
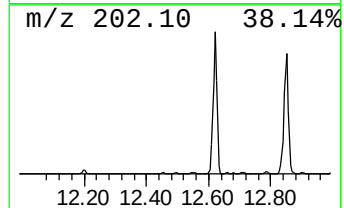
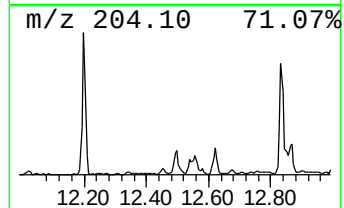
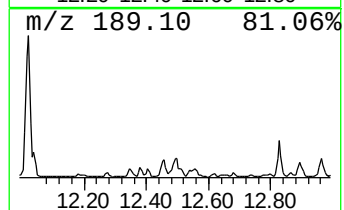
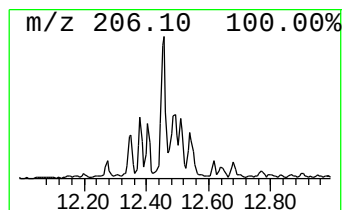
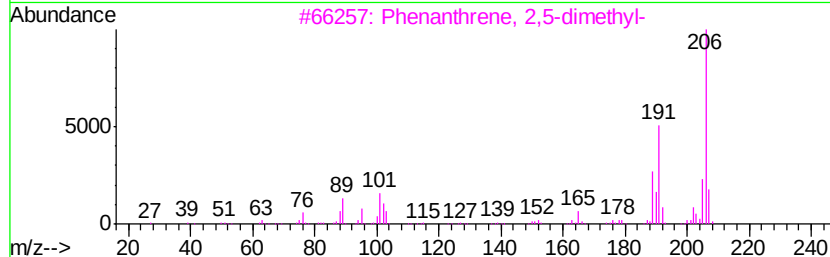
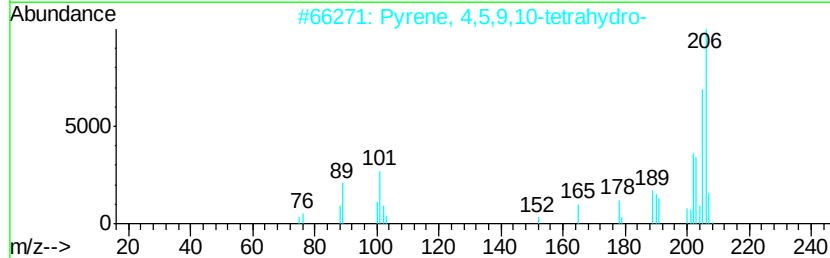
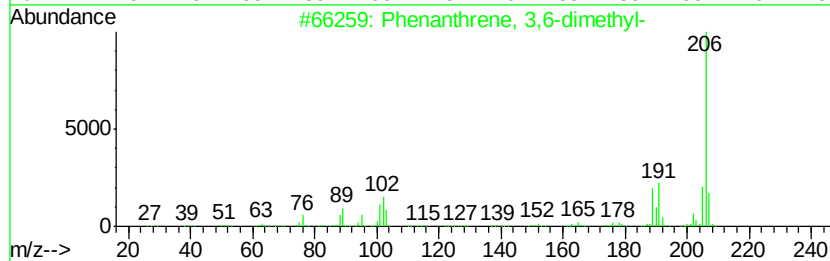
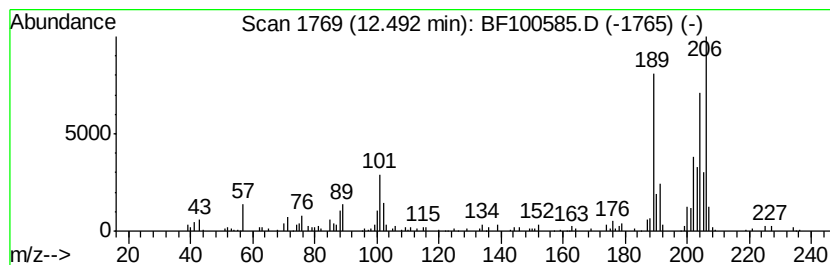
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.49 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.54 ng	182624	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	41
2			Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38
4			1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100585.D
Acq On : 15 Nov 2017 13:56
Operator : SJ/JU
Sample : I6441-07
Misc :
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Instrument :
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ClientSampleId :
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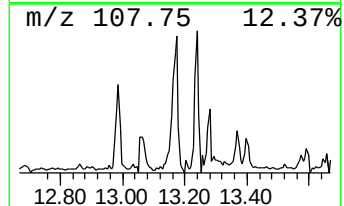
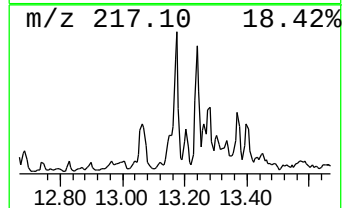
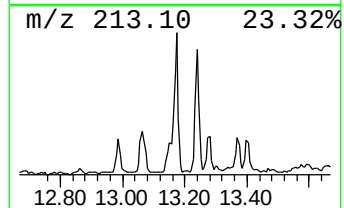
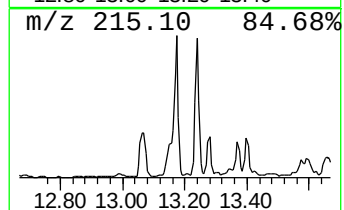
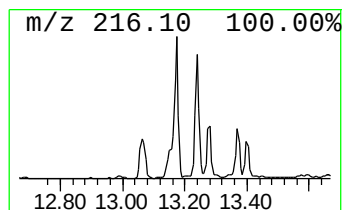
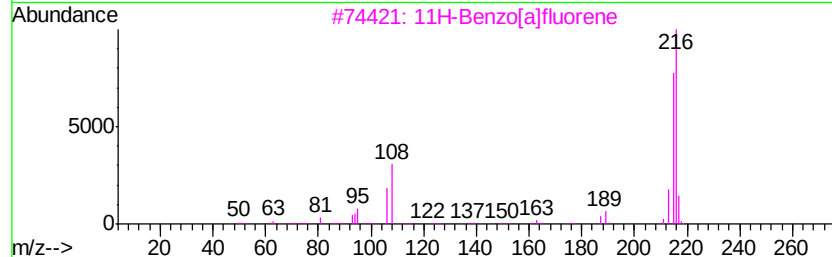
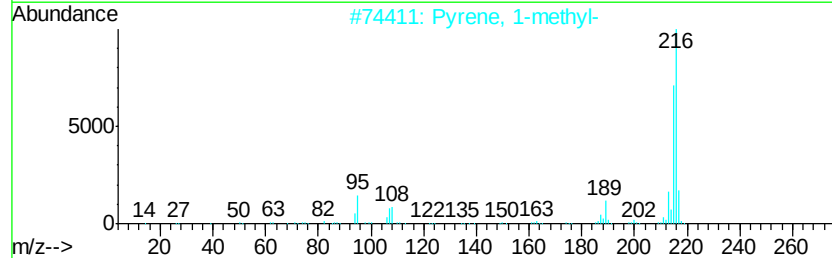
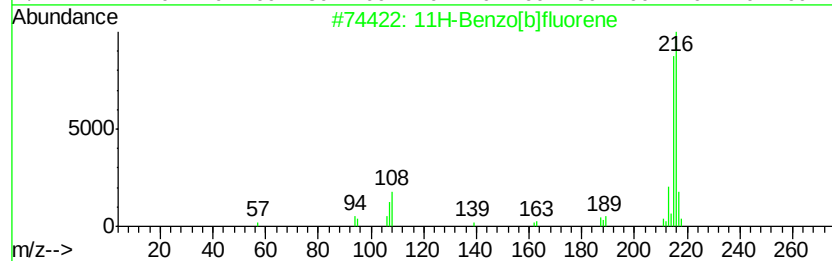
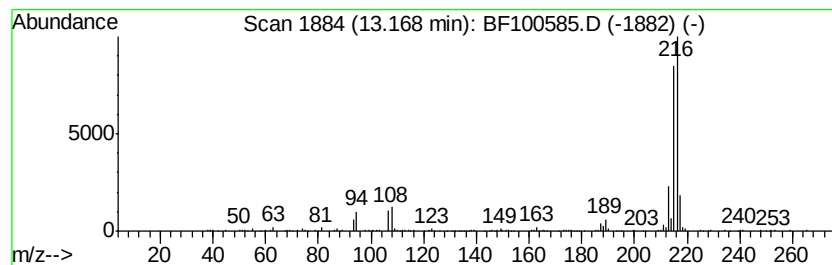
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	4.00 ng	408193	Chrysene-d12	14.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5			trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100585.D
Acq On : 15 Nov 2017 13:56
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ALS Vial : 9 Sample Multiplier: 1

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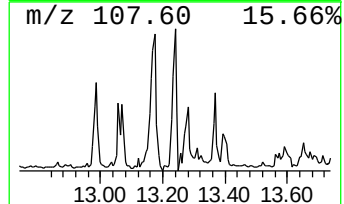
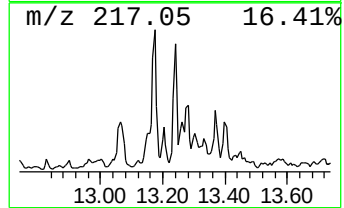
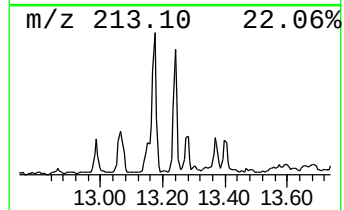
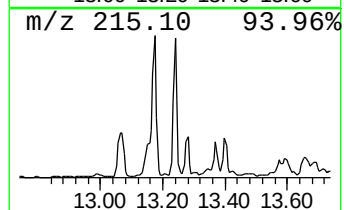
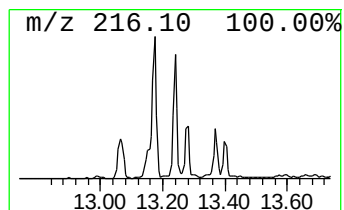
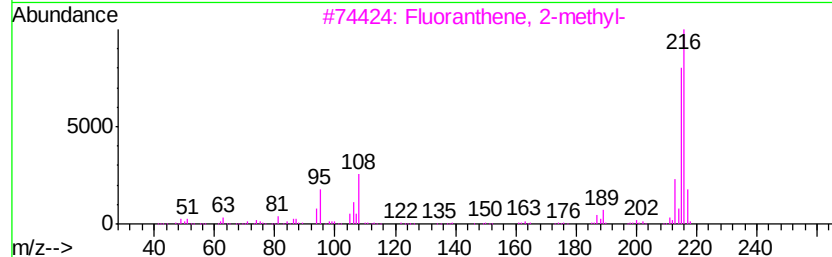
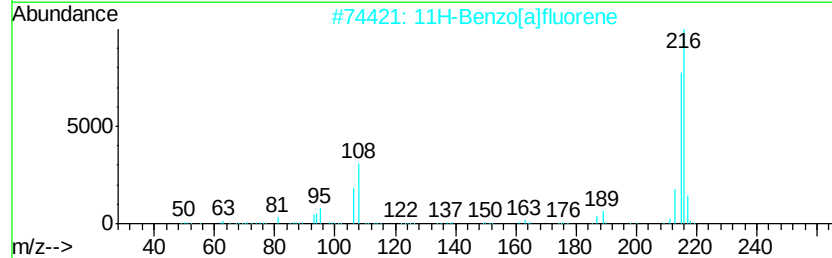
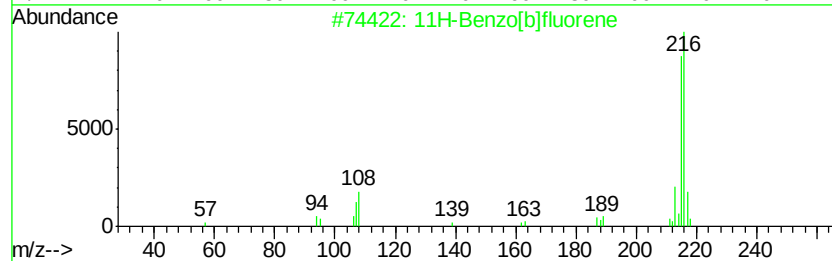
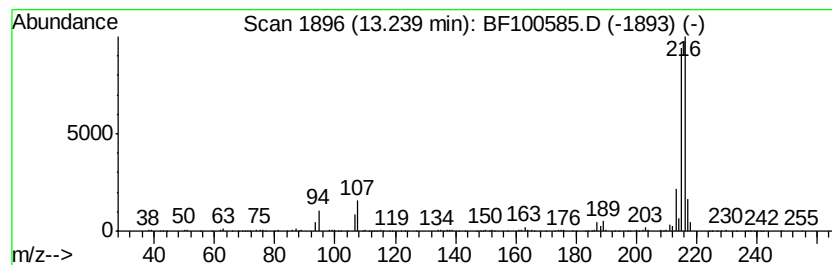
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	3.08 ng	314556	Chrysene-d12	14.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	62
5		6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100585.D
Acq On : 15 Nov 2017 13:56
Operator : SJ/JU
Sample : I6441-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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					#	RT	Resp	Conc
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unknown6.66	6.66	68.5	ng	2974500	1	6.88	868008	20.0
Benzophenone	10.63	9.3	ng	503204	3	9.92	1084500	20.0
unknown10.83	10.83	3.5	ng	180272	4	11.40	1030720	20.0
9H-Fluorene, 2-me...	11.01	3.5	ng	177628	4	11.40	1030720	20.0
unknown11.26	11.26	3.3	ng	171031	4	11.40	1030720	20.0
Dibenzothiophene	11.30	4.5	ng	233113	4	11.40	1030720	20.0
Phenanthrene, 2-m...	11.90	5.8	ng	296273	4	11.40	1030720	20.0
Anthracene, 2-met...	11.93	8.7	ng	445736	4	11.40	1030720	20.0
Phenanthrene, 3-m...	11.98	3.5	ng	182344	4	11.40	1030720	20.0
4H-Cyclopenta[def...	12.02	11.8	ng	606633	4	11.40	1030720	20.0
Naphthalene, 2-ph...	12.20	4.4	ng	224928	4	11.40	1030720	20.0
Phenanthrene, 2,5...	12.46	4.1	ng	212976	4	11.40	1030720	20.0
unknown12.49	12.49	3.5	ng	182624	4	11.40	1030720	20.0
11H-Benzo[b]fluorene	13.17	4.0	ng	408193	5	14.04	2043280	20.0
11H-Benzo[a]fluorene	13.24	3.1	ng	314556	5	14.04	2043280	20.0