

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
 Data File : BF097215.D
 Acq On : 31 Jul 2017 18:37
 Operator : SJ/JU
 Sample : I4488-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-D

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-BF072517.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	4.622	456	465	474	rBV	172077	295871	7.24%	0.371%
2	5.093	541	545	562	rBV	2457223	2566667	62.82%	3.218%
3	6.157	722	726	734	rBV	2582091	2918616	71.44%	3.659%
4	6.257	739	743	748	rVV	2780339	2686437	65.75%	3.368%
5	6.481	777	781	784	rBV	850169	740365	18.12%	0.928%
6	6.634	803	807	811	rBV	2010855	1913872	46.84%	2.400%
7	6.745	821	826	834	rVB4	103401	200586	4.91%	0.251%
8	7.051	868	878	881	rBV	1692114	1700274	41.62%	2.132%
9	7.763	995	999	1001	rBV	1175774	1044187	25.56%	1.309%
10	7.781	1001	1002	1011	rVV	451471	420089	10.28%	0.527%
11	8.475	1116	1120	1123	rVB	671103	534430	13.08%	0.670%
12	8.575	1131	1137	1142	rVB	924537	880283	21.55%	1.104%
13	8.839	1178	1182	1186	rVB	2066750	2020890	49.46%	2.534%
14	9.033	1213	1215	1221	rVB	147879	201148	4.92%	0.252%
15	9.098	1222	1226	1230	rBV	518460	669071	16.38%	0.839%
16	9.175	1235	1239	1241	rVV	846539	845785	20.70%	1.060%
17	9.198	1241	1243	1248	rVV	578600	539059	13.19%	0.676%
18	9.239	1248	1250	1255	rVV	518576	474290	11.61%	0.595%
19	9.286	1255	1258	1265	rVB	411070	552069	13.51%	0.692%
20	9.369	1268	1272	1276	rBV	788974	691451	16.92%	0.867%
21	9.510	1291	1296	1298	rVV	864564	787617	19.28%	0.987%
22	9.539	1298	1301	1306	rVV	897535	828315	20.27%	1.039%
23	9.622	1311	1315	1319	rBV	198765	255118	6.24%	0.320%
24	9.716	1325	1331	1335	rVV	524569	619876	15.17%	0.777%
25	9.757	1335	1338	1341	rVB	397617	325490	7.97%	0.408%
26	9.827	1346	1350	1353	rBV2	397796	443524	10.86%	0.556%
27	9.916	1361	1365	1367	rBV2	205341	303042	7.42%	0.380%
28	10.010	1376	1381	1382	rBV2	168421	217990	5.34%	0.273%
29	10.057	1385	1389	1395	rVV	1148775	1151119	28.17%	1.443%
30	10.122	1395	1400	1401	rVV	242228	294172	7.20%	0.369%
31	10.169	1405	1408	1409	rVV2	163563	181970	4.45%	0.228%
32	10.216	1413	1416	1418	rVV	217579	229067	5.61%	0.287%
33	10.298	1427	1430	1434	rVB	1123665	1051754	25.74%	1.319%
34	10.427	1448	1452	1455	rBV3	248436	312132	7.64%	0.391%

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35	10.604	1477	1482	1484	rBV	423160	555240	13.59%	0.696%
36	10.627	1484	1486	1490	rVV	392956	397215	9.72%	0.498%
37	10.686	1493	1496	1499	rVV	321141	323909	7.93%	0.406%
38	10.880	1526	1529	1532	rVV	519192	470748	11.52%	0.590%
39	10.986	1543	1547	1549	rBV	576303	635525	15.56%	0.797%
40	11.016	1549	1552	1555	rVB	2708470	2730255	66.83%	3.423%
41	11.063	1555	1560	1563	rVB	1240692	1104553	27.04%	1.385%
42	11.104	1563	1567	1570	rBV	297143	375849	9.20%	0.471%
43	11.227	1585	1588	1590	rVV	258201	245546	6.01%	0.308%
44	11.316	1600	1603	1607	rVV	364754	363459	8.90%	0.456%
45	11.404	1614	1618	1621	rVB	273423	306488	7.50%	0.384%
46	11.492	1629	1633	1635	rBV	1076209	995623	24.37%	1.248%
47	11.521	1635	1638	1641	rVV	1226668	1047466	25.64%	1.313%
48	11.569	1641	1646	1648	rVV	519540	536161	13.12%	0.672%
49	11.604	1648	1652	1654	rVV	1629020	1910974	46.77%	2.396%
50	11.621	1654	1655	1662	rVB	888780	767575	18.79%	0.962%
51	11.721	1669	1672	1675	rVB2	209755	189316	4.63%	0.237%
52	11.786	1679	1683	1685	rVV	508881	521126	12.76%	0.653%
53	11.816	1686	1688	1693	rVB	265733	268233	6.57%	0.336%
54	11.886	1693	1700	1702	rBV3	121901	252730	6.19%	0.317%
55	11.933	1706	1708	1711	rVV	244923	227181	5.56%	0.285%
56	11.963	1711	1713	1716	rVV	346039	367702	9.00%	0.461%
57	11.992	1716	1718	1721	rVB	254595	217634	5.33%	0.273%
58	12.039	1722	1726	1729	rBV	858139	1027397	25.15%	1.288%
59	12.074	1729	1732	1734	rVV	632279	748743	18.33%	0.939%
60	12.098	1734	1736	1738	rVV2	360328	283593	6.94%	0.356%
61	12.133	1738	1742	1746	rVV3	374460	501813	12.28%	0.629%
62	12.210	1750	1755	1758	rVV	2647675	3144427	76.96%	3.942%
63	12.251	1759	1762	1763	rVV	186244	198817	4.87%	0.249%
64	12.292	1766	1769	1773	rVB2	227045	241677	5.92%	0.303%
65	12.345	1774	1778	1780	rBV	307373	333386	8.16%	0.418%
66	12.433	1787	1793	1796	rBV	2714108	4085628	100.00%	5.122%
67	12.486	1798	1802	1806	rVB2	261182	398161	9.75%	0.499%
68	12.545	1809	1812	1814	rVV	284703	259180	6.34%	0.325%
69	12.574	1814	1817	1824	rVB	1404251	1623822	39.74%	2.036%
70	12.651	1824	1830	1832	rBV2	517940	717542	17.56%	0.900%
71	12.733	1841	1844	1845	rVV2	391656	418509	10.24%	0.525%

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72	12.757	1845	1848	1851	rVB	1090667	1103141	27.00%	1.383%
73	12.821	1855	1859	1862	rVV2	875516	927284	22.70%	1.163%
74	12.857	1862	1865	1872	rVB	718441	893466	21.87%	1.120%
75	12.951	1877	1881	1883	rVV	634860	605116	14.81%	0.759%
76	12.980	1883	1886	1890	rVB	689864	592226	14.50%	0.743%
77	13.163	1914	1917	1918	rBV	224436	238873	5.85%	0.299%
78	13.239	1927	1930	1933	rBV2	231676	308140	7.54%	0.386%
79	13.368	1948	1952	1954	rBV2	432631	584952	14.32%	0.733%
80	13.398	1954	1957	1959	rVV2	436601	503981	12.34%	0.632%
81	13.421	1959	1961	1962	rVV	287718	243986	5.97%	0.306%
82	13.439	1962	1964	1967	rVV2	290499	304089	7.44%	0.381%
83	13.498	1970	1974	1979	rVB2	653206	830289	20.32%	1.041%
84	13.615	1989	1994	1998	rBV2	1594466	2694049	65.94%	3.378%
85	13.651	1998	2000	2003	rVB	1466488	1353594	33.13%	1.697%
86	13.727	2008	2013	2015	rBV2	318926	438346	10.73%	0.550%
87	13.768	2018	2020	2025	rBV2	207310	312008	7.64%	0.391%
88	13.974	2052	2055	2057	rBV	299480	297408	7.28%	0.373%
89	14.010	2059	2061	2064	rVV	617151	604640	14.80%	0.758%
90	14.045	2064	2067	2069	rVB	394083	333181	8.15%	0.418%
91	14.133	2078	2082	2088	rVB4	891188	1575937	38.57%	1.976%
92	14.627	2161	2166	2174	rVB	1073279	2131080	52.16%	2.672%
93	14.704	2176	2179	2182	rBV2	480563	684286	16.75%	0.858%
94	14.874	2205	2208	2213	rVB	653411	767772	18.79%	0.963%
95	14.933	2213	2218	2222	rVV	1079175	1316010	32.21%	1.650%
96	14.980	2223	2226	2228	rVV	358037	378633	9.27%	0.475%
97	15.009	2228	2231	2237	rVB3	350783	499819	12.23%	0.627%
98	15.374	2290	2293	2298	rVB2	273312	378711	9.27%	0.475%
99	16.215	2431	2436	2440	rVB	357257	595580	14.58%	0.747%
100	16.580	2493	2498	2506	rVB	286639	572379	14.01%	0.718%

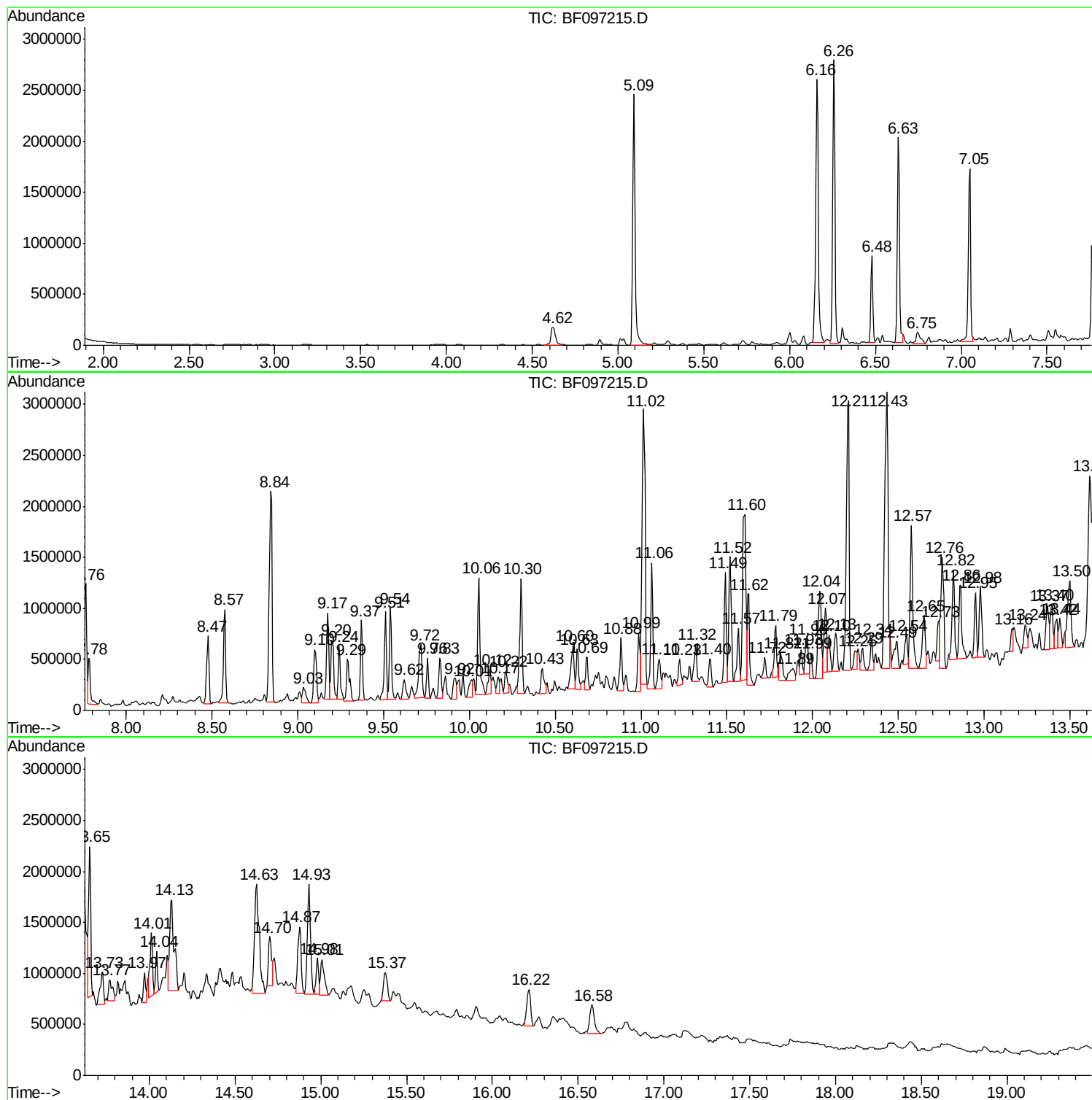
Sum of corrected areas: 79758805

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.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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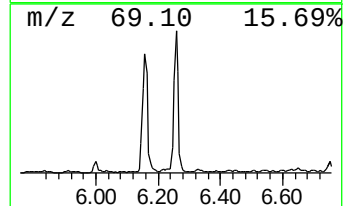
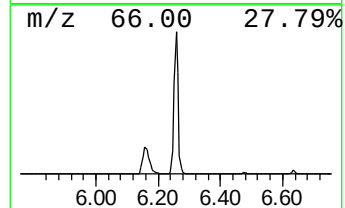
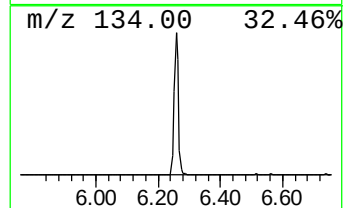
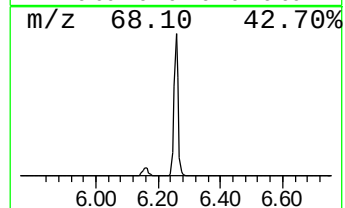
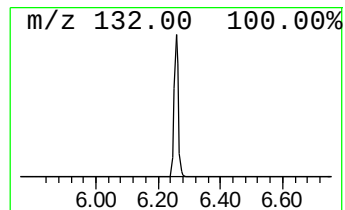
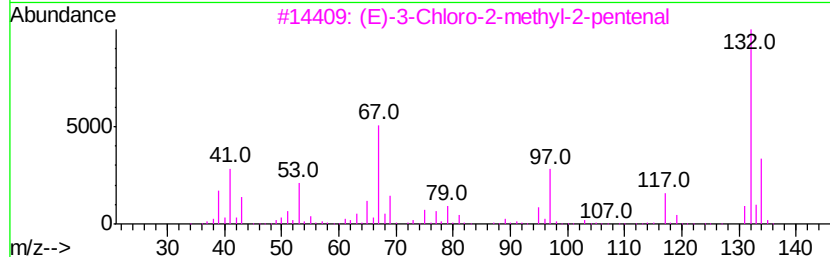
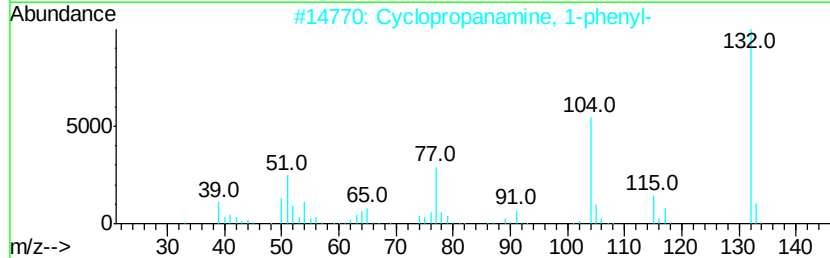
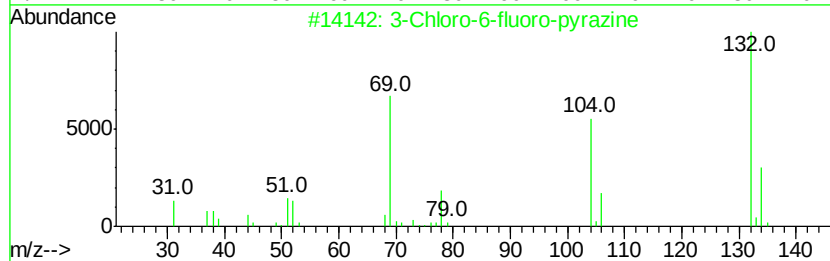
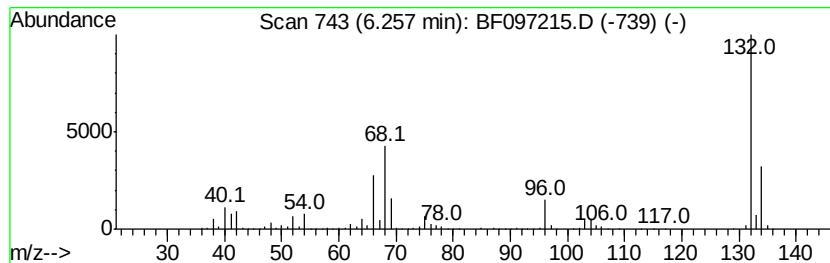
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.26 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	72.57 ng	2686440	1,4-Dichlorobenzene-d4	6.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	14
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Tranlylcypromine-propionyl	189	C12H15NO	1000123-86-3	10



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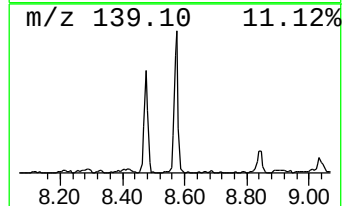
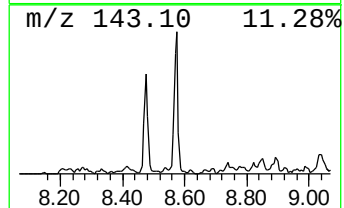
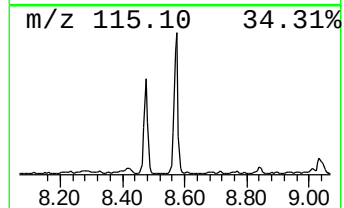
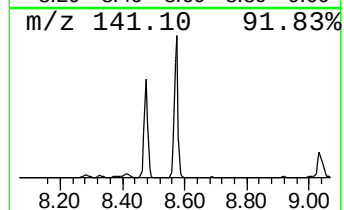
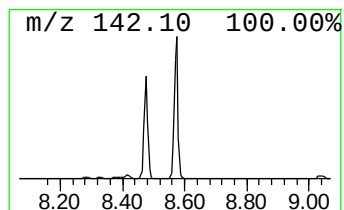
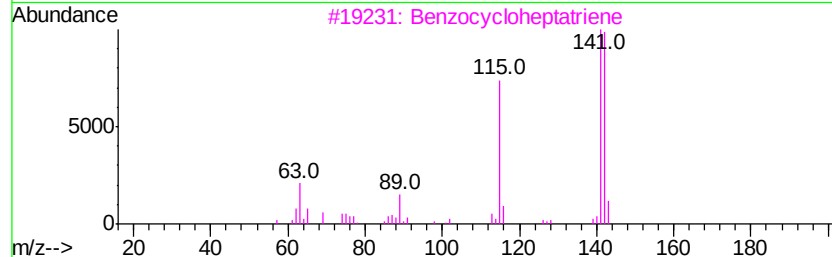
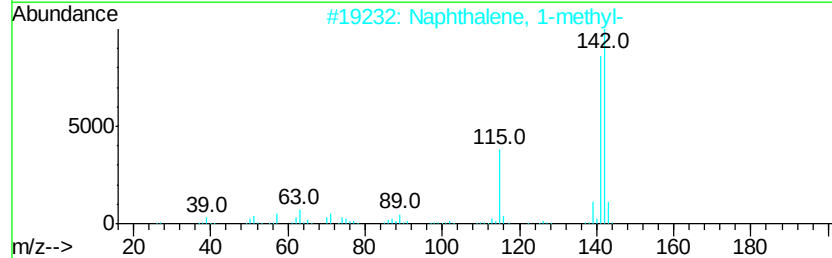
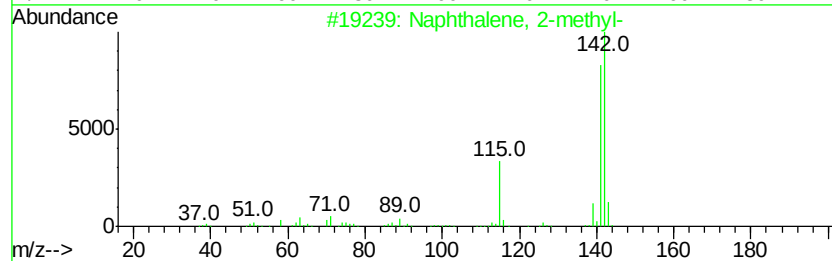
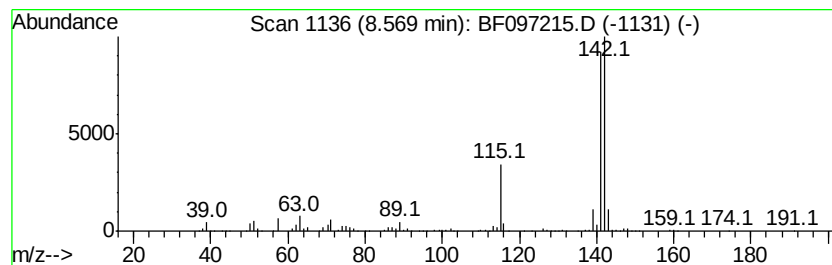
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	16.86 ng	880283	Naphthalene-d8	7.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	94
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	87



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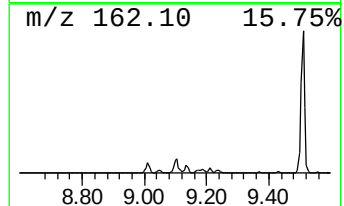
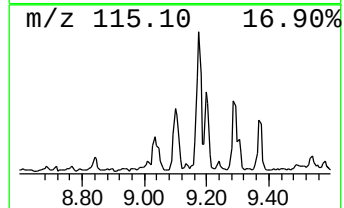
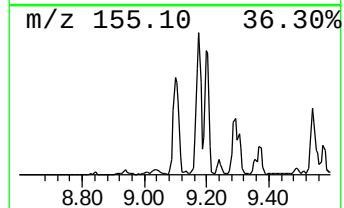
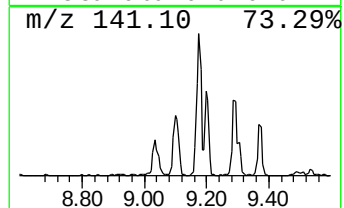
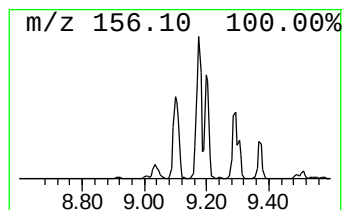
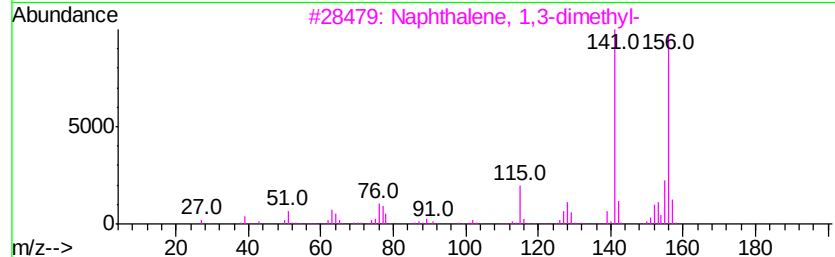
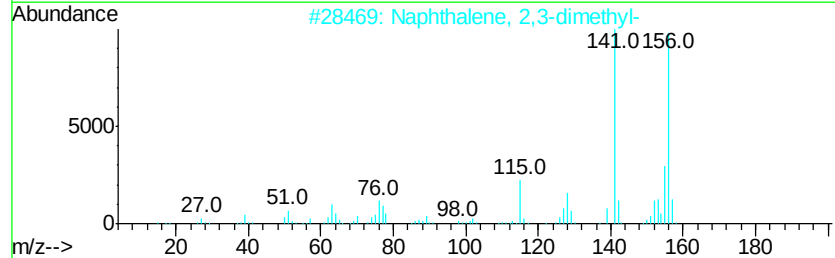
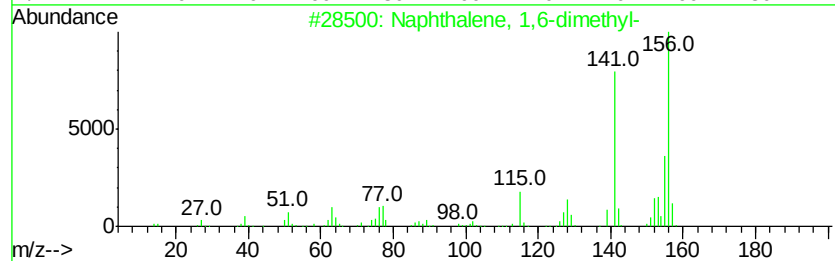
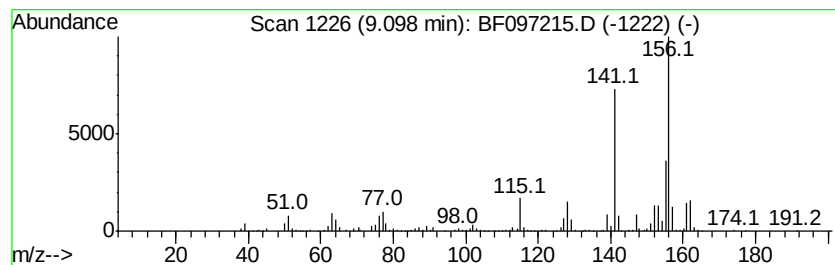
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	16.99 ng	669071	Acenaphthene-d10	9.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
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Acq On : 31 Jul 2017 18:37
Operator : SJ/JU
Sample : I4488-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-072717-D

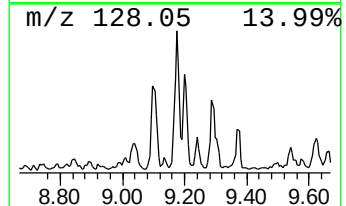
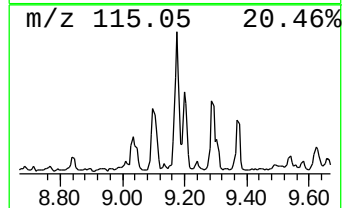
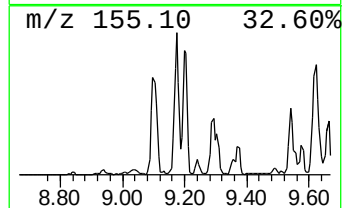
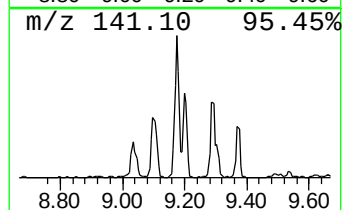
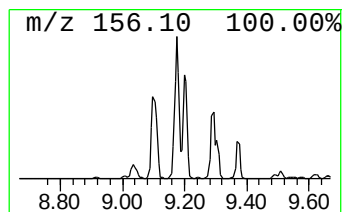
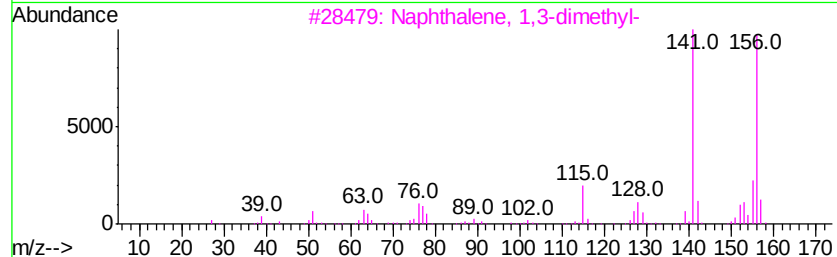
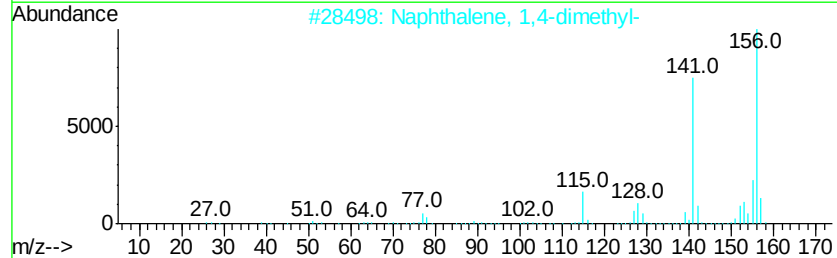
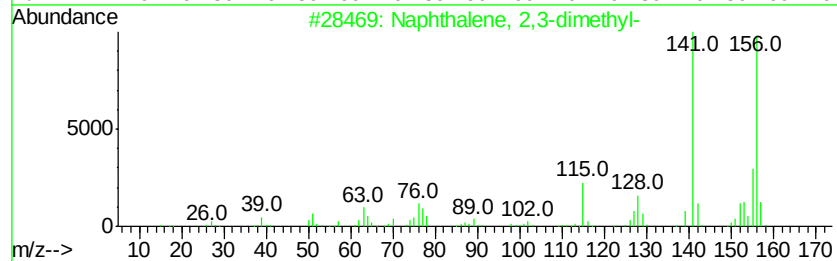
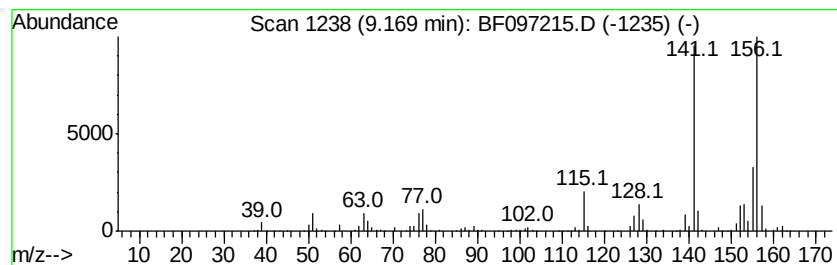
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	21.48 ng	845785	Acenaphthene-d10	9.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	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, 1,5-dimethyl-	156	C12H12	000571-61-9	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073117\
Data File : BF097215.D
Acq On : 31 Jul 2017 18:37
Operator : SJ/JU
Sample : I4488-10
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ALS Vial : 16 Sample Multiplier: 1

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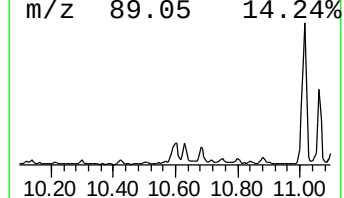
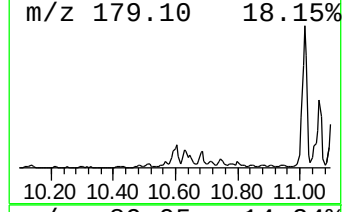
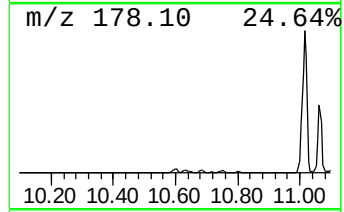
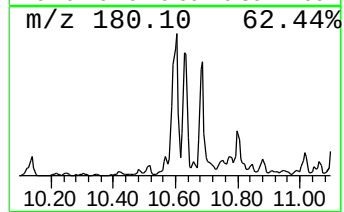
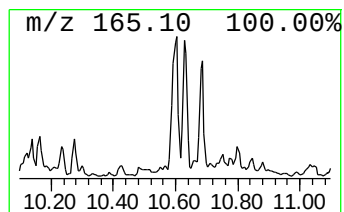
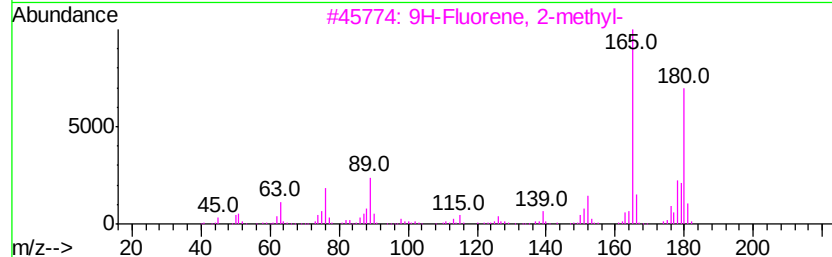
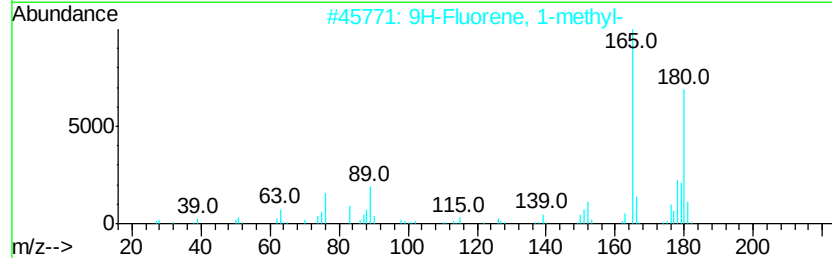
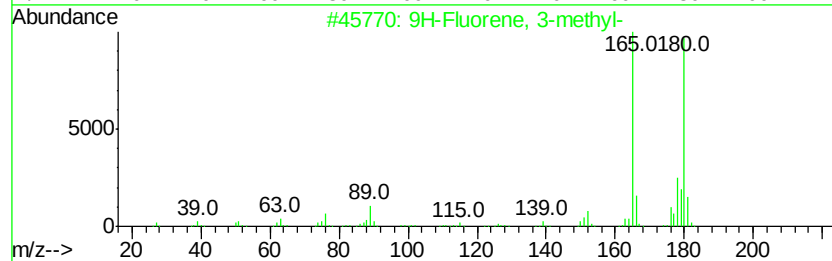
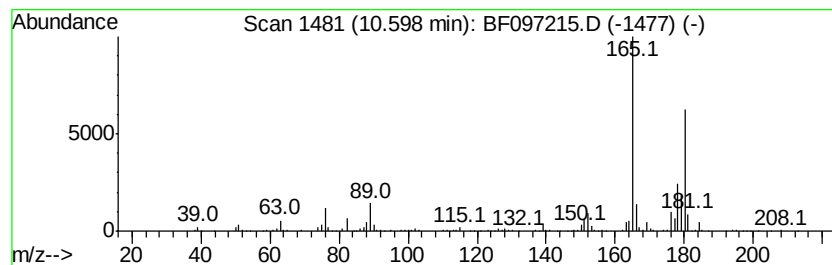
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 9H-Fluorene, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	17.47 ng	555240	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
5		(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073117\
Data File : BF097215.D
Acq On : 31 Jul 2017 18:37
Operator : SJ/JU
Sample : I4488-10
Misc :
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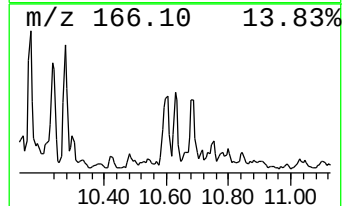
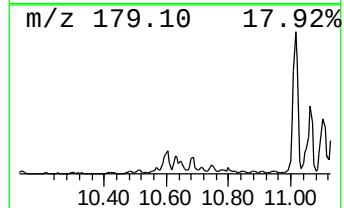
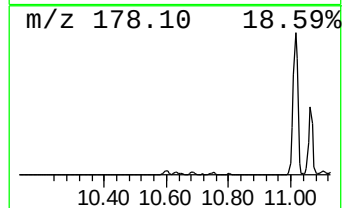
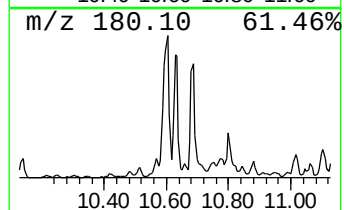
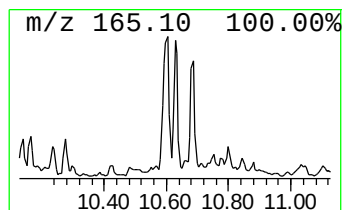
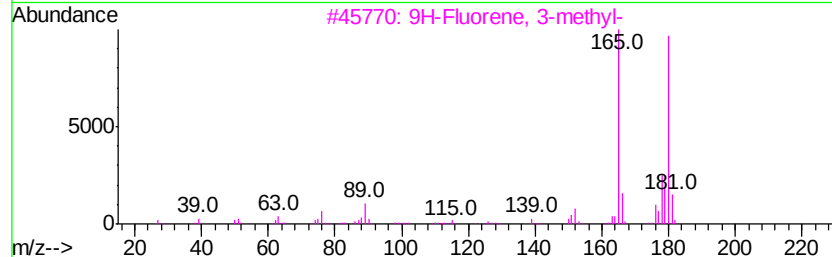
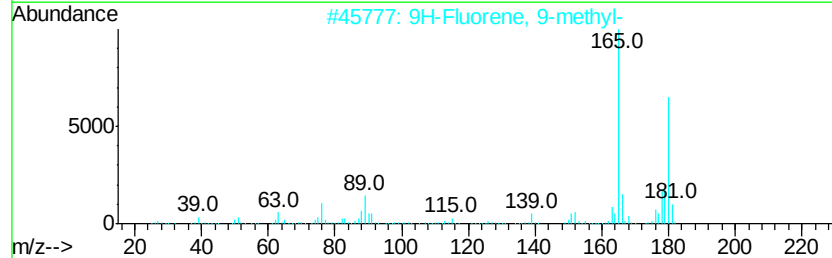
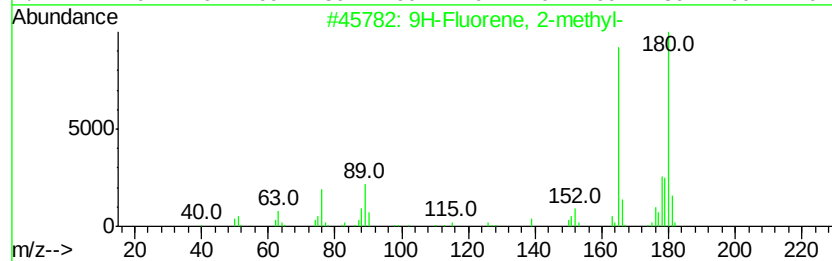
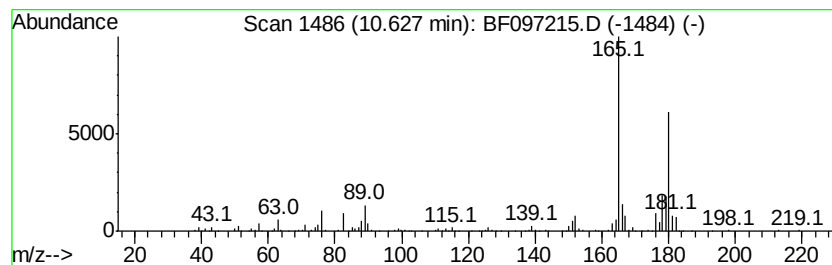
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.63	12.50 ng	397215	Phenanthrene-d10		10.99
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
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Acq On : 31 Jul 2017 18:37
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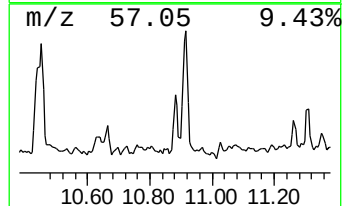
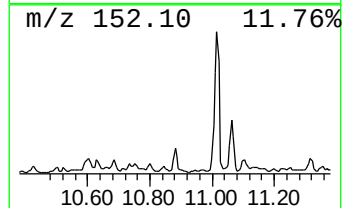
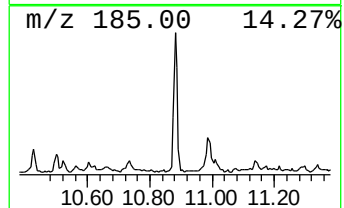
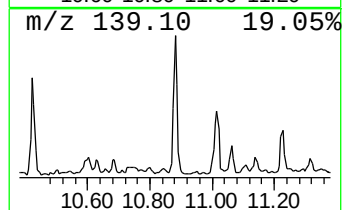
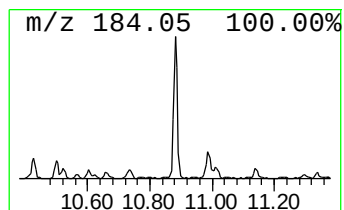
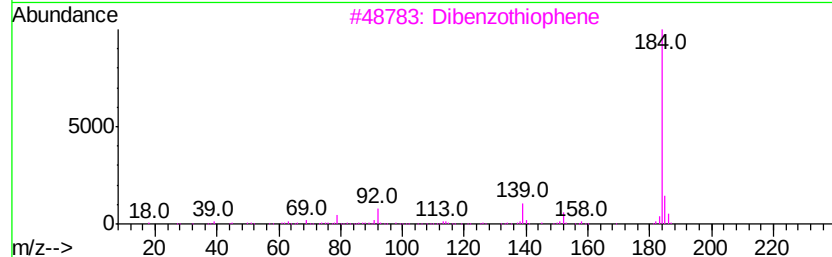
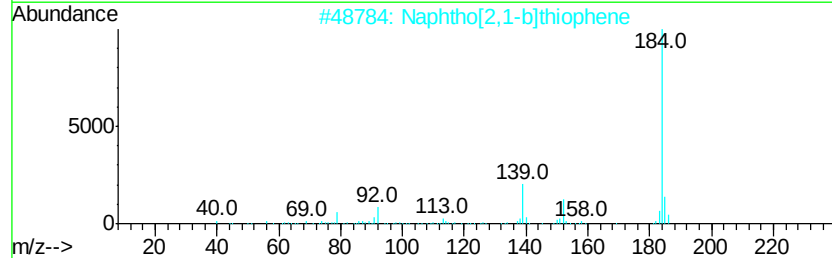
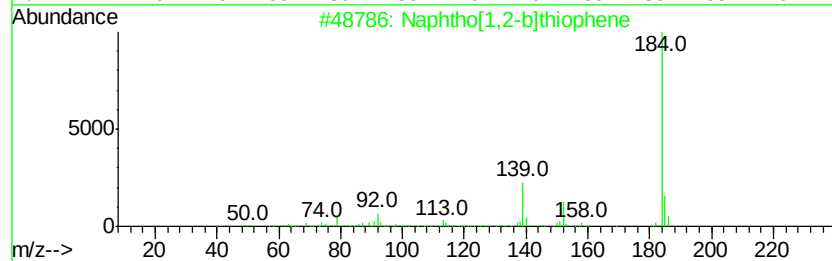
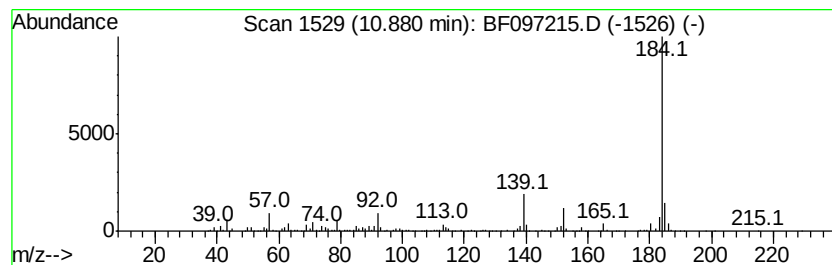
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphtho[1,2-b]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.88	14.81 ng	470748	Phenanthrene-d10	10.99		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3		Dibenzothiophene	184	C12H8S	000132-65-0	95
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073117\
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CL-02-072717-D

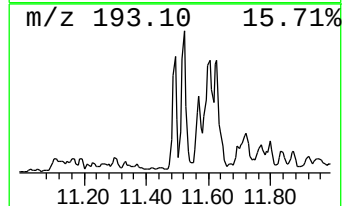
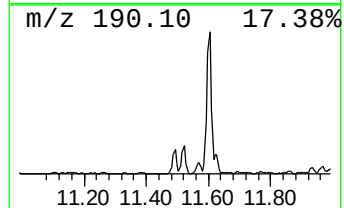
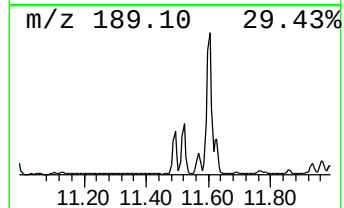
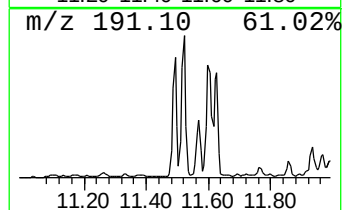
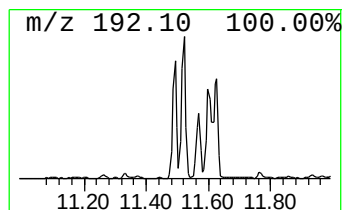
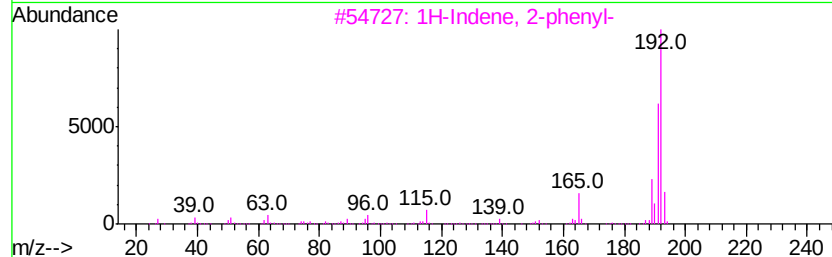
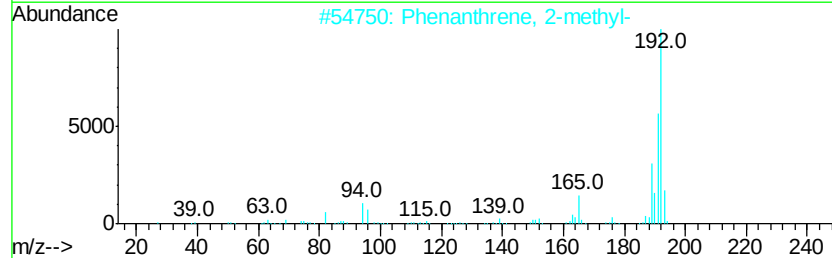
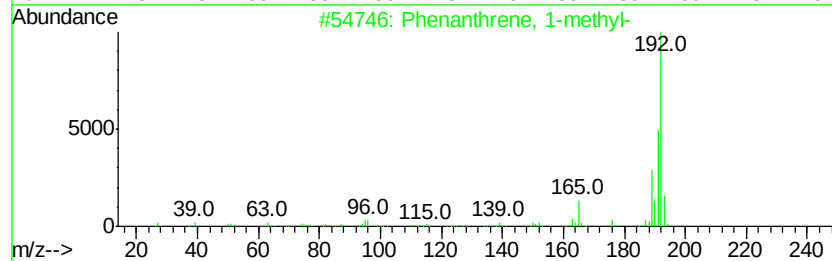
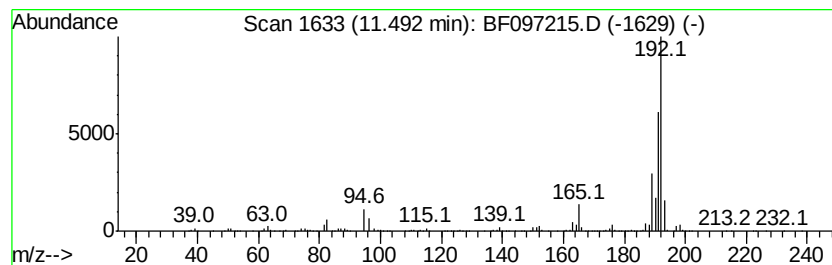
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	31.33 ng	995623	Phenanthrene-d10	10.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
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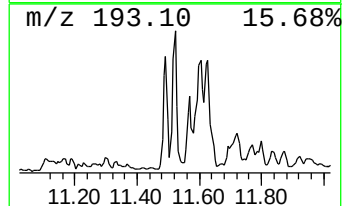
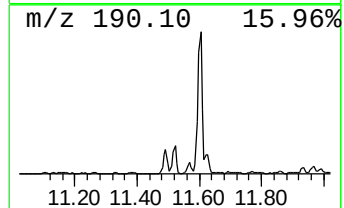
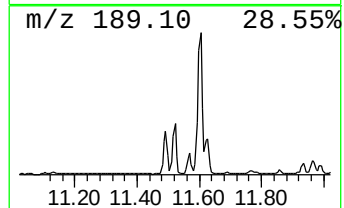
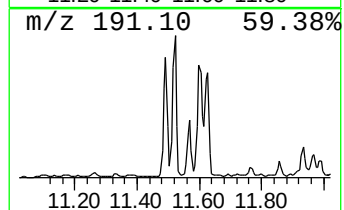
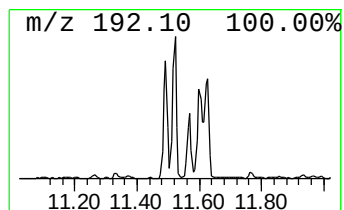
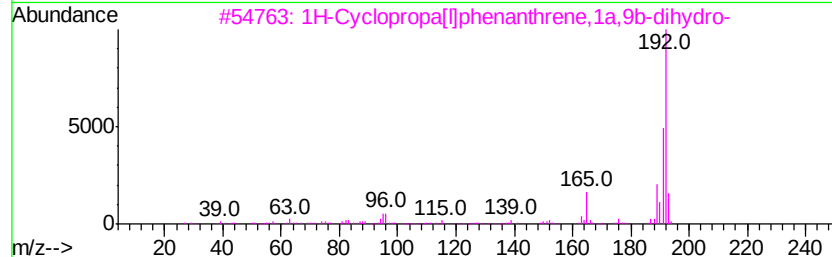
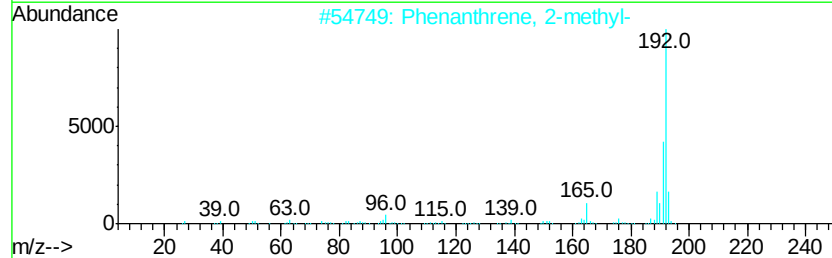
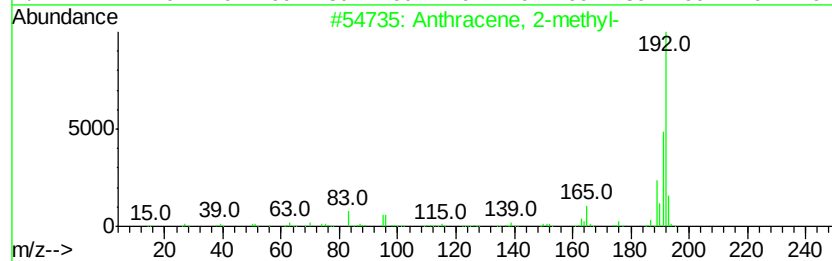
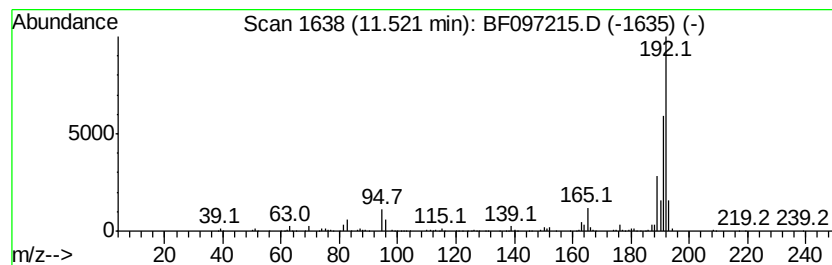
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.52	32.96 ng	1047470	Phenanthrene-d10	10.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073117\
Data File : BF097215.D
Acq On : 31 Jul 2017 18:37
Operator : SJ/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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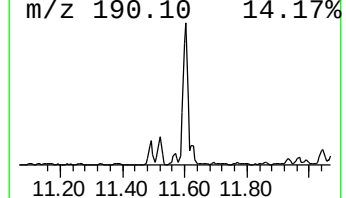
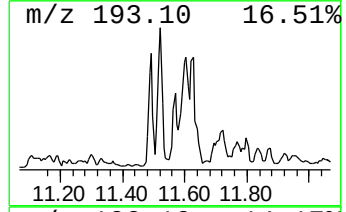
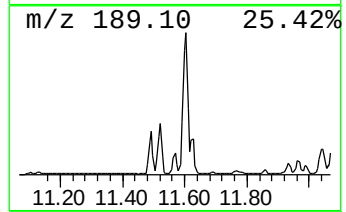
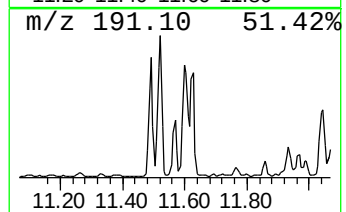
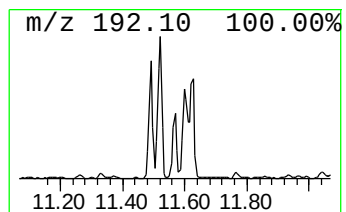
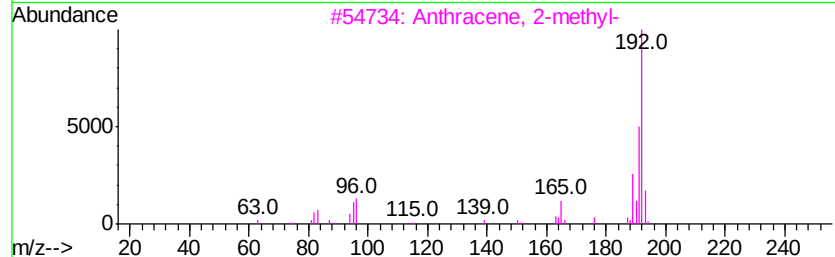
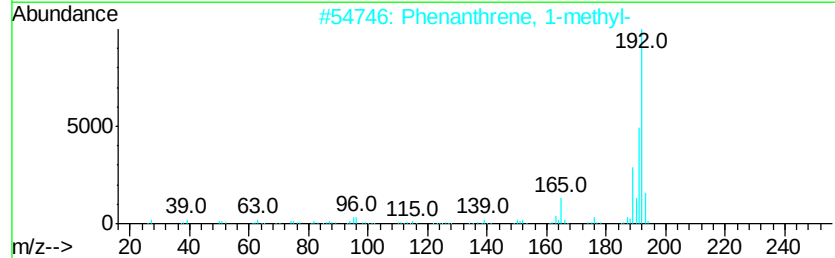
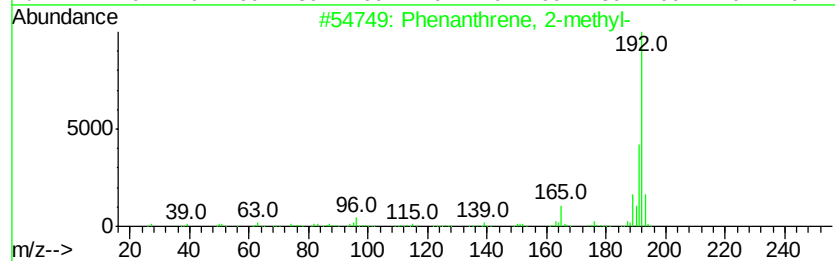
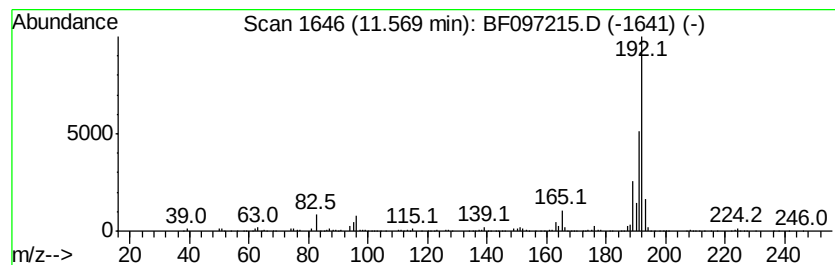
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	16.87 ng	536161	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	94
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073117\
Data File : BF097215.D
Acq On : 31 Jul 2017 18:37
Operator : SJ/JU
Sample : I4488-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-D

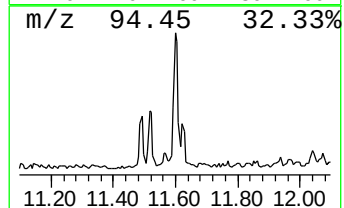
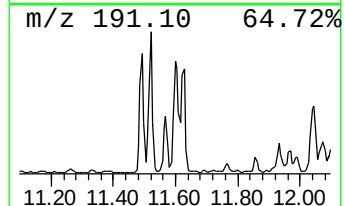
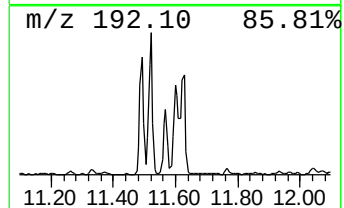
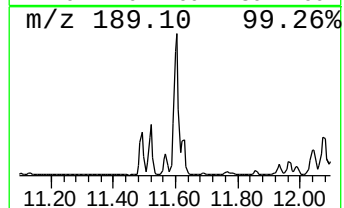
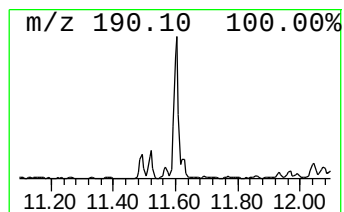
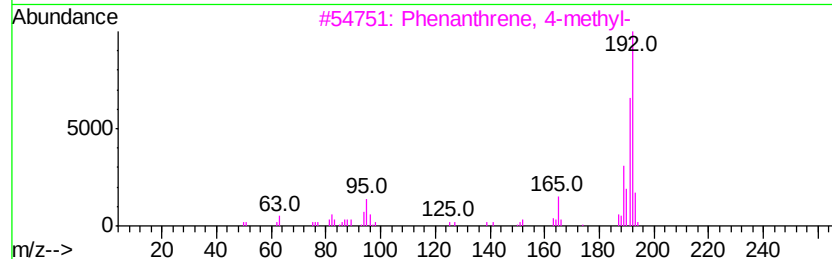
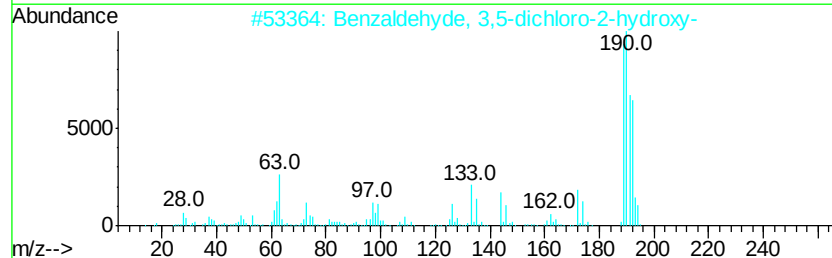
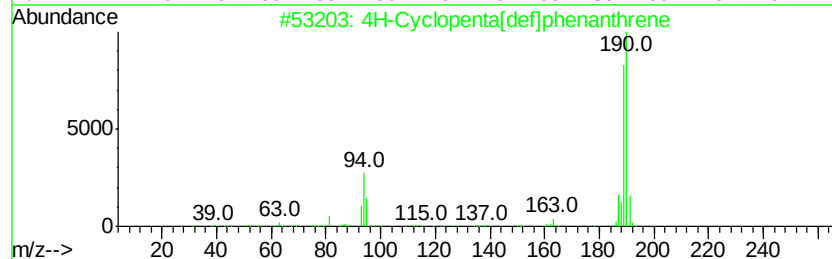
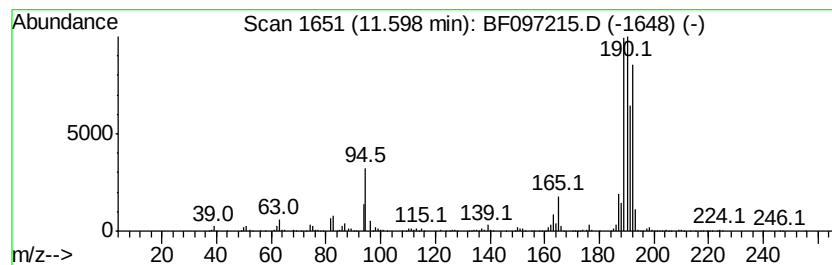
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	60.14 ng	1910970	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25
5		Benzene, 1,1'-(1,2-propadienyld...	192	C15H12	014251-57-1	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073117\
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Acq On : 31 Jul 2017 18:37
Operator : SJ/JU
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Misc :
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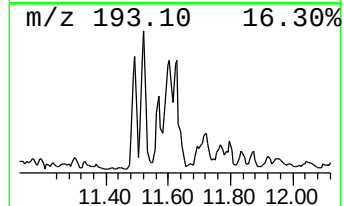
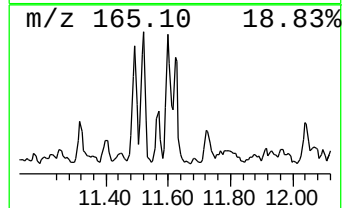
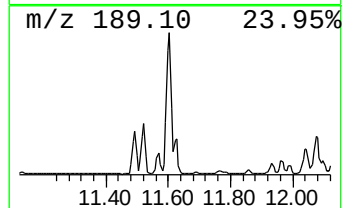
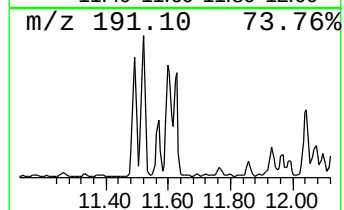
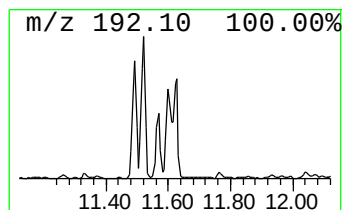
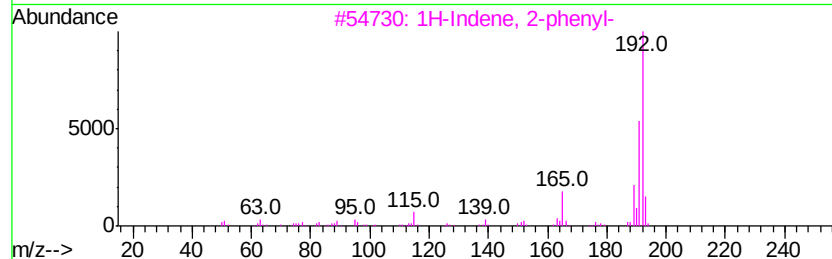
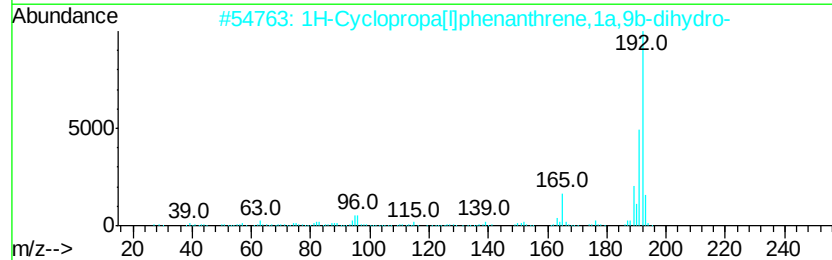
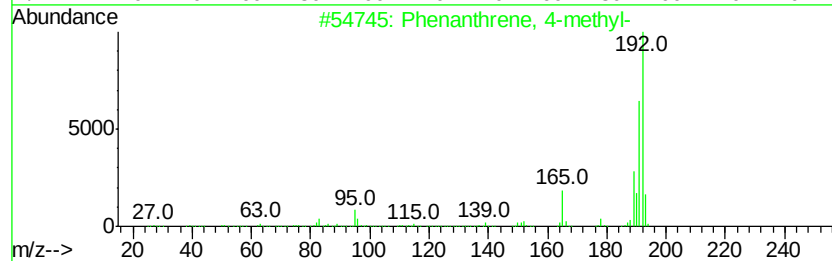
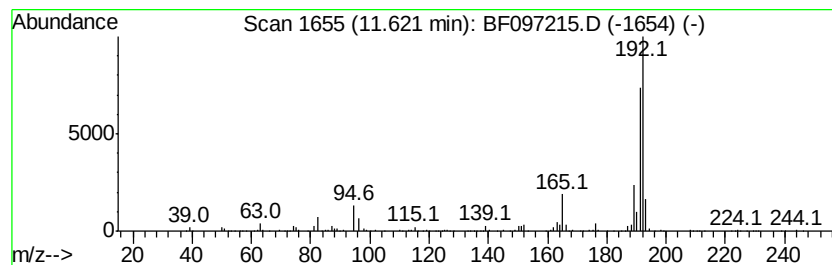
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	24.16 ng	767575	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
Data File : BF097215.D
Acq On : 31 Jul 2017 18:37
Operator : SJ/JU
Sample : I4488-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-072717-D

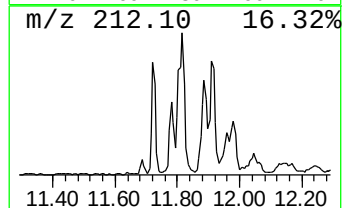
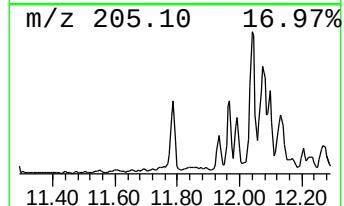
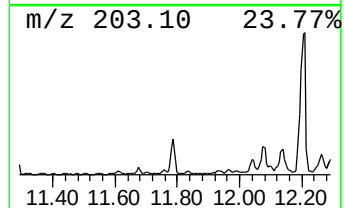
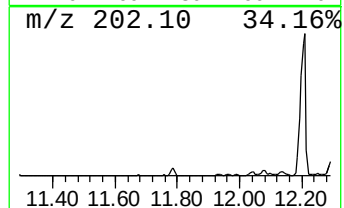
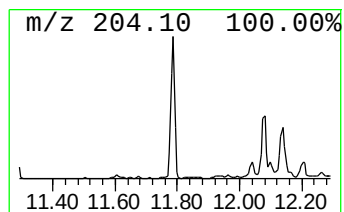
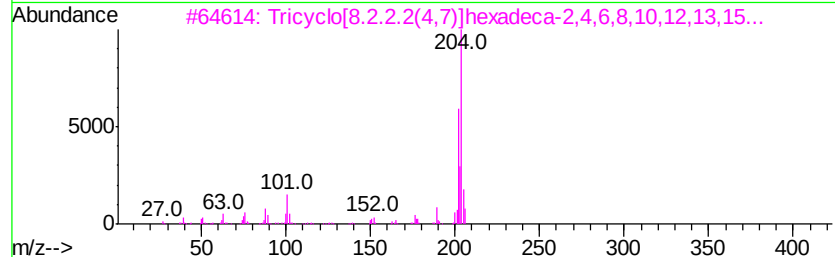
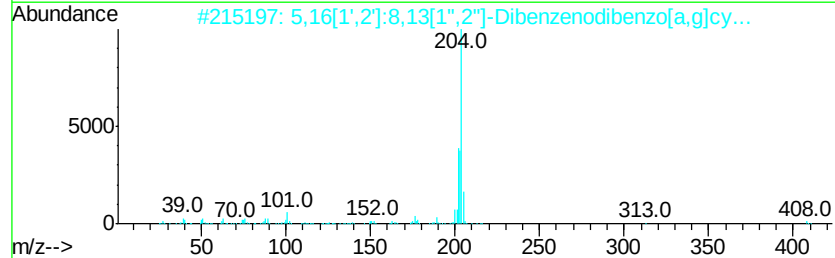
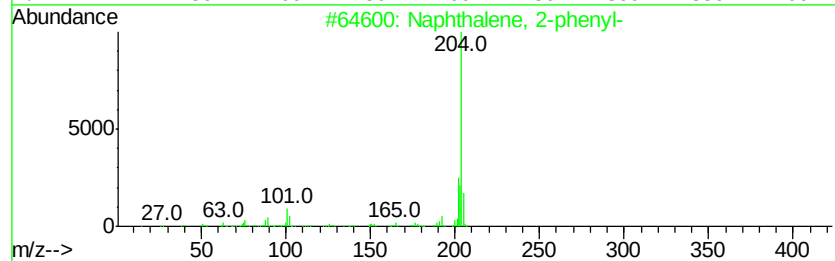
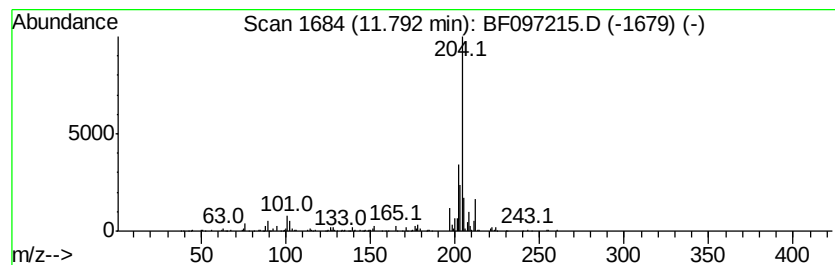
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	16.40 ng	521126	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073117\
Data File : BF097215.D
Acq On : 31 Jul 2017 18:37
Operator : SJ/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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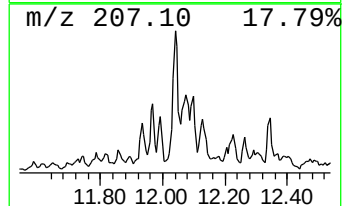
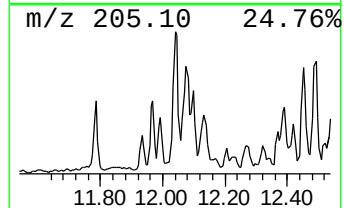
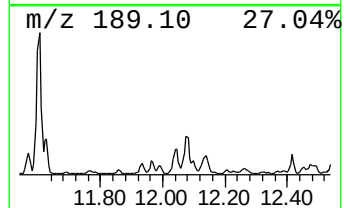
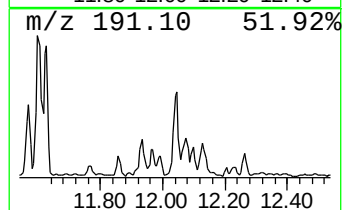
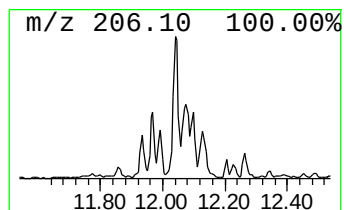
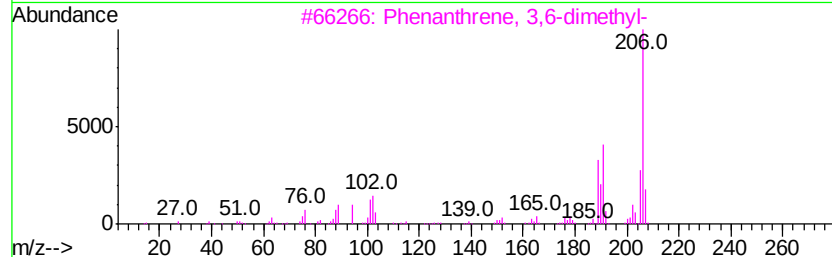
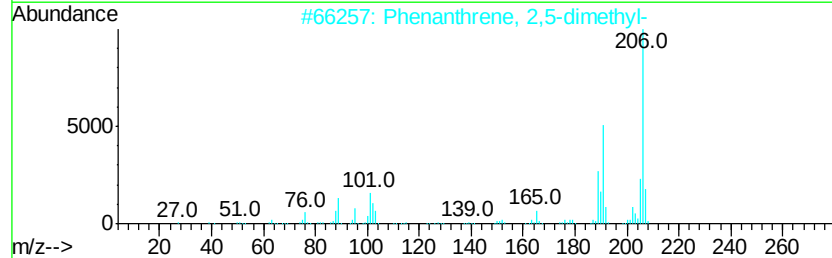
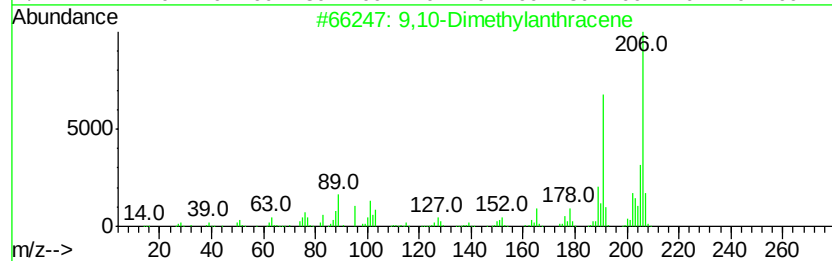
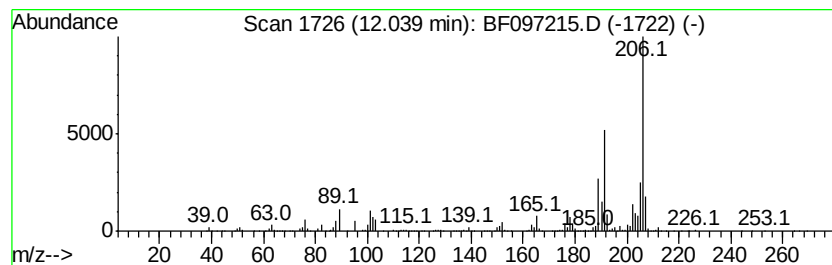
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,10-Dimethylantracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	32.33 ng	1027400	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	97
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	92



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
Data File : BF097215.D
Acq On : 31 Jul 2017 18:37
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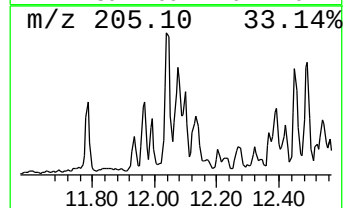
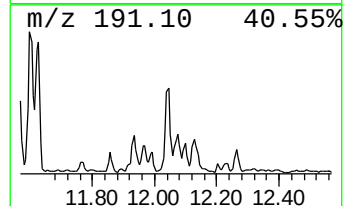
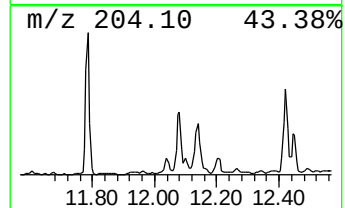
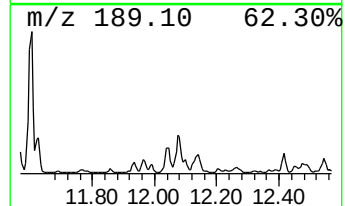
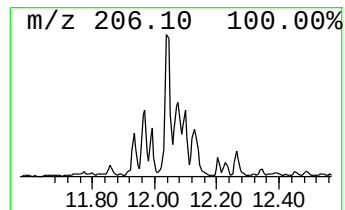
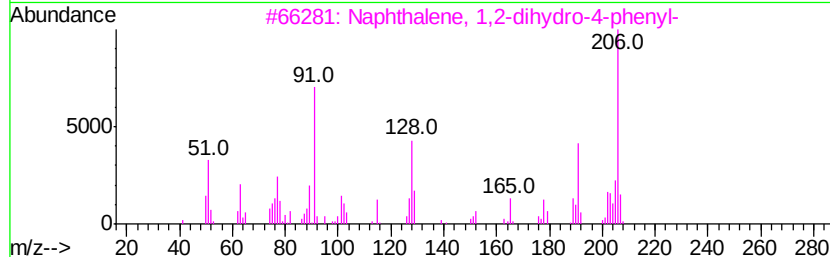
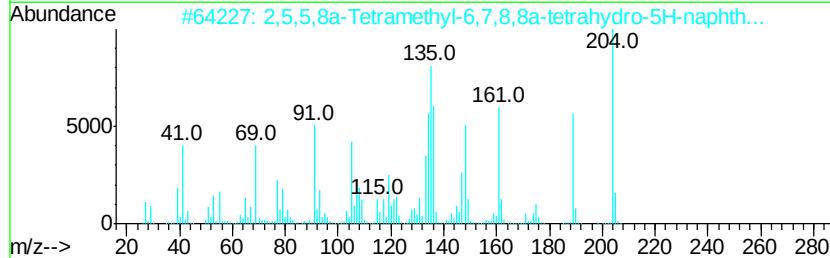
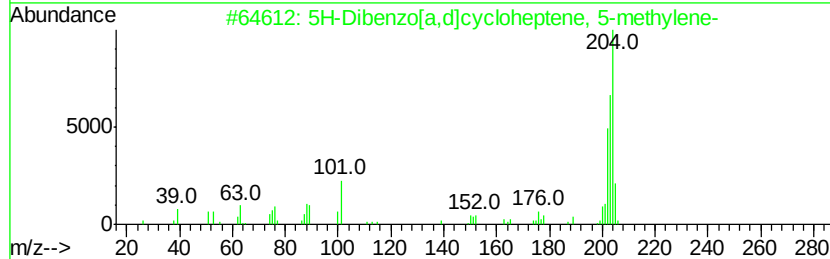
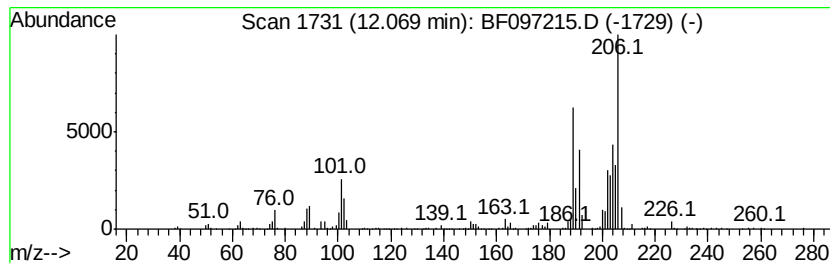
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown12.07 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	23.56 ng	748743	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	35
2		2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	35
3		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	30
4		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	30
5		2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073117\
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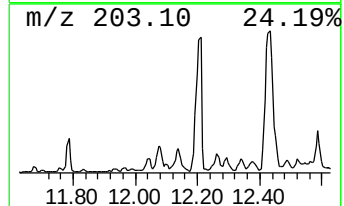
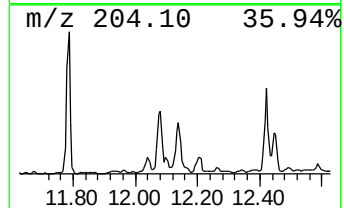
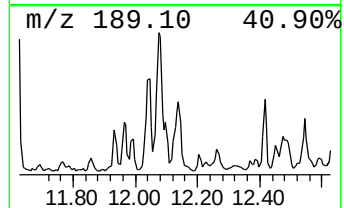
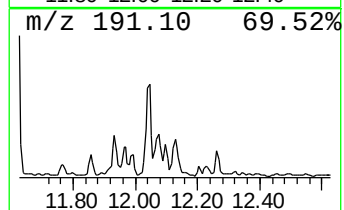
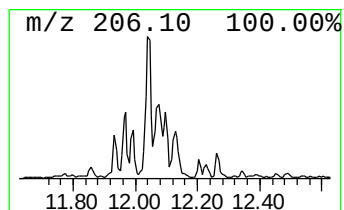
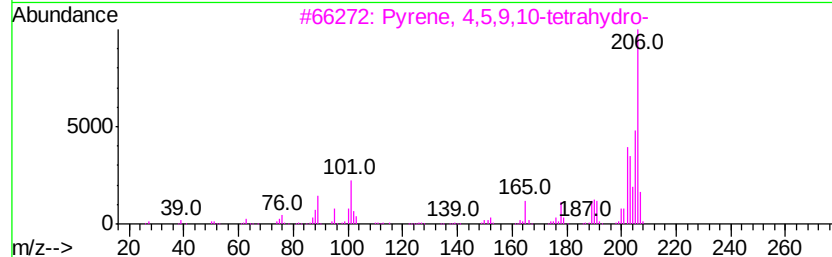
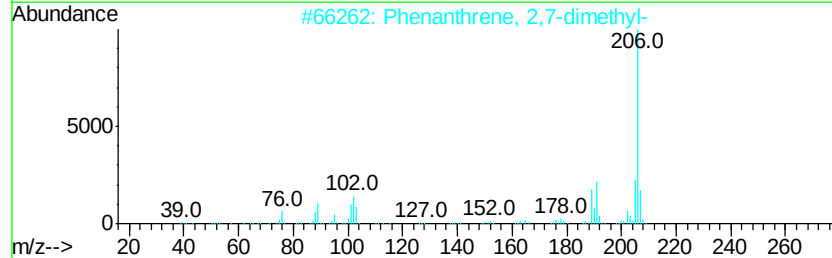
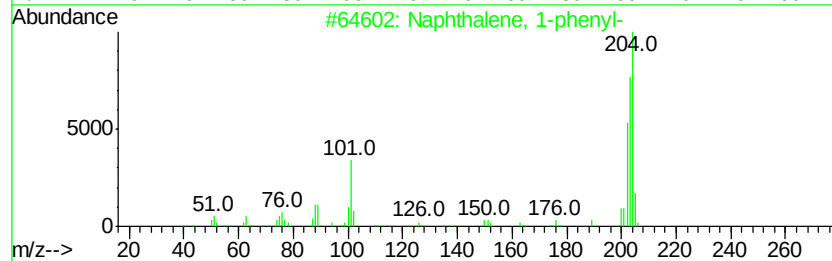
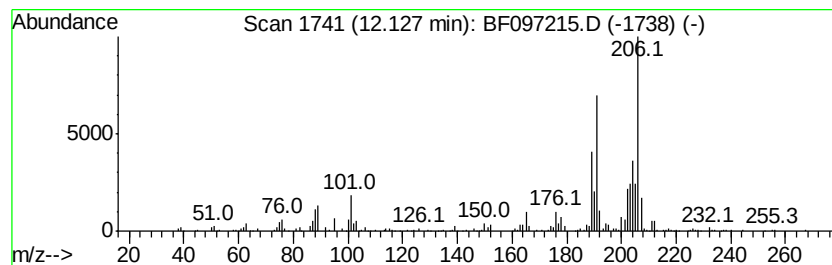
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 1-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	15.79 ng	501813	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	81
2		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	70
3		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	60
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	55
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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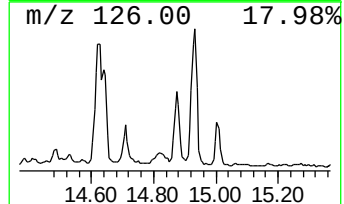
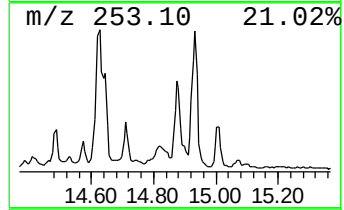
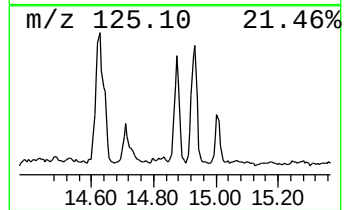
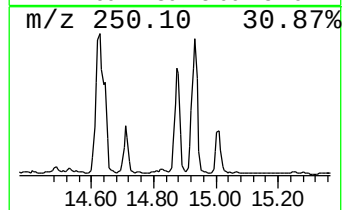
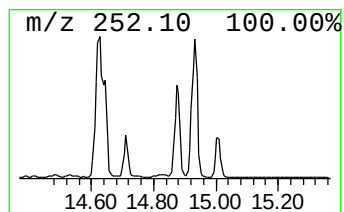
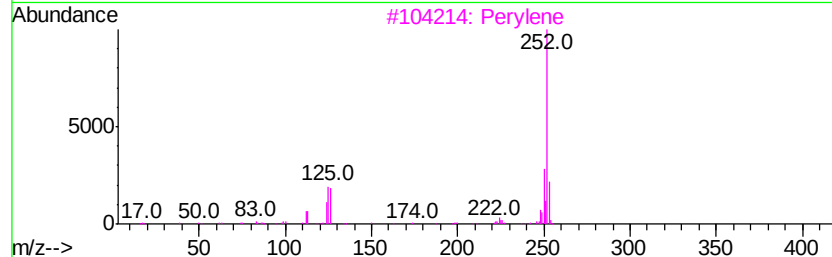
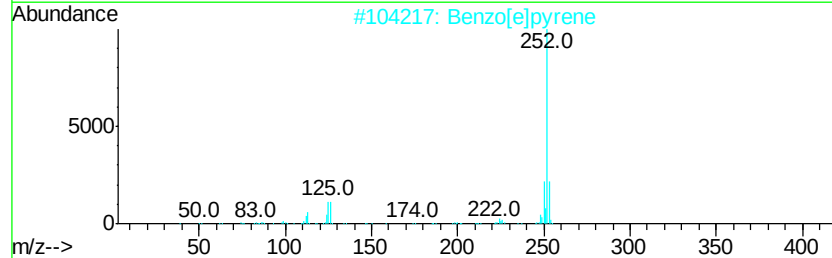
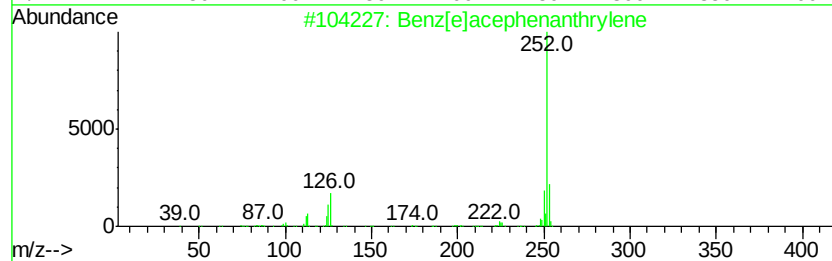
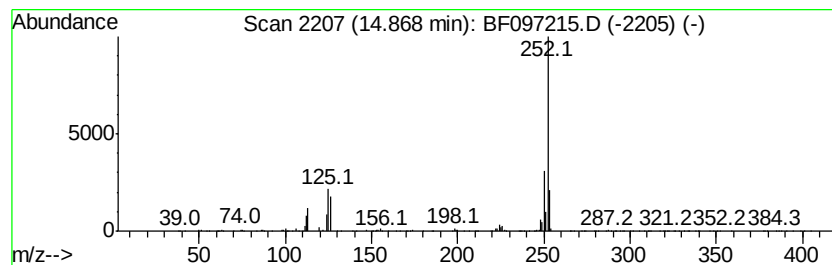
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	40.55 ng	767772	Perylene-d12	14.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
2			Benzo[e]pyrene	252	C20H12	000192-97-2	98
3			Perylene	252	C20H12	000198-55-0	94
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5			Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
Data File : BF097215.D
Acq On : 31 Jul 2017 18:37
Operator : SJ/JU
Sample : I4488-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-D

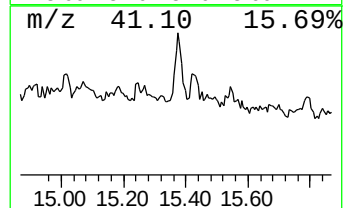
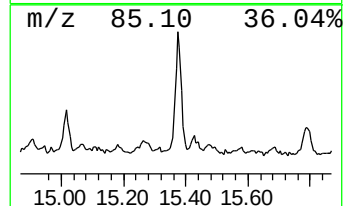
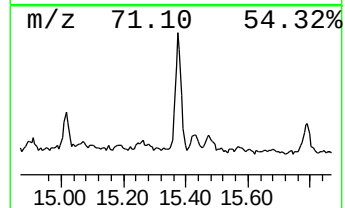
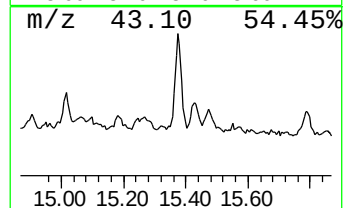
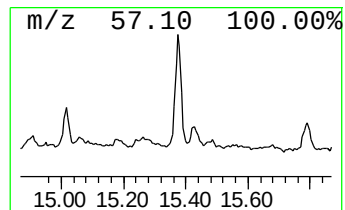
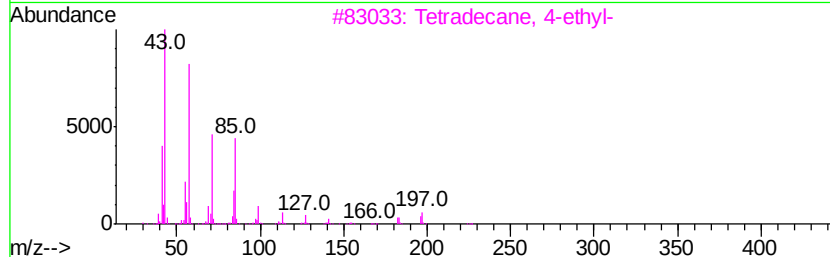
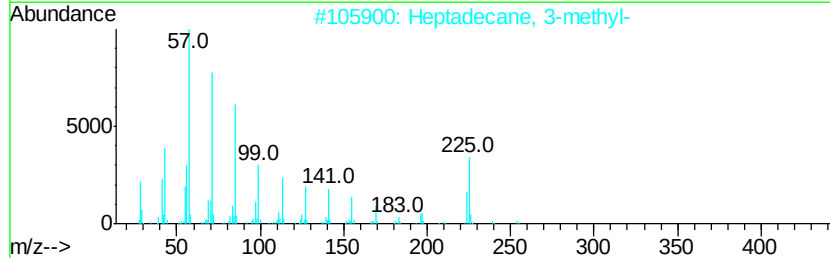
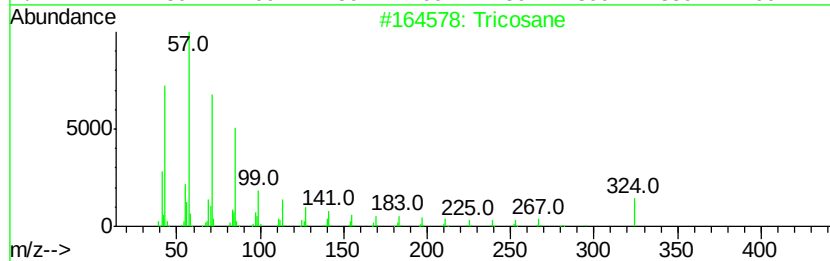
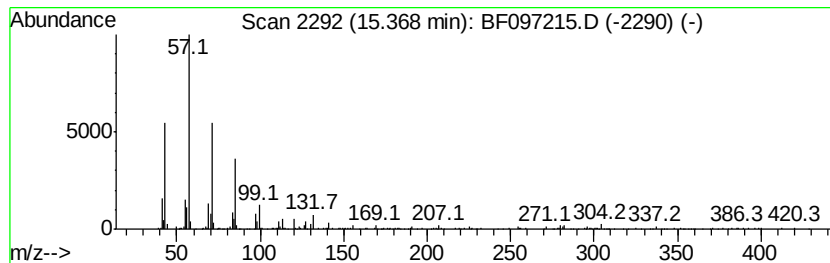
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Tricosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	20.00 ng	378711	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricosane	324	C23H48	000638-67-5	90
2		Heptadecane, 3-methyl-	254	C18H38	006418-44-6	90
3		Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	87
4		Tetracosane	338	C24H50	000646-31-1	87
5		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073117\
 Data File : BF097215.D
 Acq On : 31 Jul 2017 18:37
 Operator : SJ/JU
 Sample : I4488-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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
unknown6.26	6.26	72.6	ng	2686440	1	6.48	740365	20.0
Naphthalene, 1-me...	8.57	16.9	ng	880283	2	7.76	1044190	20.0
Naphthalene, 1,6-...	9.10	17.0	ng	669071	3	9.51	787617	20.0
Naphthalene, 2,3-...	9.17	21.5	ng	845785	3	9.51	787617	20.0
9H-Fluorene, 3-me...	10.60	17.5	ng	555240	4	10.99	635525	20.0
9H-Fluorene, 2-me...	10.63	12.5	ng	397215	4	10.99	635525	20.0
Naphtho[1,2-b]thi...	10.88	14.8	ng	470748	4	10.99	635525	20.0
Phenanthrene, 1-m...	11.49	31.3	ng	995623	4	10.99	635525	20.0
Anthracene, 2-met...	11.52	33.0	ng	1047470	4	10.99	635525	20.0
Phenanthrene, 2-m...	11.57	16.9	ng	536161	4	10.99	635525	20.0
4H-Cyclopenta[def...	11.60	60.1	ng	1910970	4	10.99	635525	20.0
Phenanthrene, 4-m...	11.62	24.2	ng	767575	4	10.99	635525	20.0
Naphthalene, 2-ph...	11.79	16.4	ng	521126	4	10.99	635525	20.0
9,10-Dimethylanth...	12.04	32.3	ng	1027400	4	10.99	635525	20.0
unknown12.07	12.07	23.6	ng	748743	4	10.99	635525	20.0
Naphthalene, 1-ph...	12.13	15.8	ng	501813	4	10.99	635525	20.0
Benzo[e]pyrene	14.87	40.5	ng	767772	6	14.98	378633	20.0
Tricosane	15.37	20.0	ng	378711	6	14.98	378633	20.0