

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
 Data File : BF101492.D
 Acq On : 18 Dec 2017 20:30
 Operator : SJ/JU
 Sample : I6677-07 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-121517-B

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-BF121417.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	5.428	565	568	586	rBV	518809	737782	20.58%	1.536%
2	6.451	738	742	761	rBV	481052	813860	22.70%	1.694%
3	6.581	761	764	770	rVV	800983	761673	21.24%	1.586%
4	6.810	799	803	809	rBV	867499	850130	23.71%	1.770%
5	6.963	825	829	840	rBV	632628	601693	16.78%	1.253%
6	7.375	896	899	916	rBV	307443	433060	12.08%	0.901%
7	8.092	1017	1021	1023	rBV	1127977	1022805	28.53%	2.129%
8	8.110	1023	1024	1032	rVV	617702	579360	16.16%	1.206%
9	8.804	1139	1142	1150	rBV	508133	480424	13.40%	1.000%
10	8.904	1154	1159	1165	rVV	426785	386385	10.78%	0.804%
11	9.163	1200	1203	1211	rVB	878549	724142	20.20%	1.507%
12	9.269	1218	1221	1226	rVB	109943	93700	2.61%	0.195%
13	9.363	1235	1237	1244	rVB	93249	100550	2.80%	0.209%
14	9.433	1244	1249	1253	rBV	218316	297422	8.30%	0.619%
15	9.504	1257	1261	1264	rVV	347455	369247	10.30%	0.769%
16	9.533	1264	1266	1269	rVV	240001	222259	6.20%	0.463%
17	9.563	1269	1271	1278	rVV2	95551	125459	3.50%	0.261%
18	9.622	1278	1281	1289	rVB	178861	218084	6.08%	0.454%
19	9.710	1293	1296	1301	rVV2	306247	275920	7.70%	0.574%
20	9.827	1313	1316	1317	rVV	102105	97617	2.72%	0.203%
21	9.845	1317	1319	1322	rVV	1027460	924422	25.78%	1.924%
22	9.880	1322	1325	1328	rVV	741182	617290	17.22%	1.285%
23	9.951	1332	1337	1341	rBV3	65772	98293	2.74%	0.205%
24	10.051	1350	1354	1358	rVV2	471405	488868	13.63%	1.018%
25	10.086	1358	1360	1364	rVB	135980	122456	3.42%	0.255%
26	10.163	1369	1373	1376	rBV	133470	147926	4.13%	0.308%
27	10.269	1383	1391	1394	rBV5	108013	213102	5.94%	0.444%
28	10.398	1409	1413	1418	rVB	1039657	916665	25.57%	1.908%
29	10.463	1418	1424	1425	rBV	108797	144162	4.02%	0.300%
30	10.480	1425	1427	1430	rVV2	148005	134723	3.76%	0.280%
31	10.557	1437	1440	1443	rVB2	255092	254476	7.10%	0.530%
32	10.645	1448	1455	1460	rBV3	408737	546247	15.24%	1.137%
33	10.739	1468	1471	1473	rBV	84991	101116	2.82%	0.210%
34	10.945	1499	1506	1509	rBV2	233810	299075	8.34%	0.623%

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35	10.974	1509	1511	1514	rVV	158721	140864	3.93%	0.293%
36	11.027	1517	1520	1523	rVV	136001	118134	3.29%	0.246%
37	11.069	1523	1527	1529	rVV3	91348	130698	3.65%	0.272%
38	11.092	1529	1531	1537	rVV3	98294	148234	4.13%	0.309%
39	11.151	1537	1541	1544	rVV3	56495	92158	2.57%	0.192%
40	11.186	1544	1547	1550	rVV	156719	162860	4.54%	0.339%
41	11.233	1553	1555	1562	rVB	289376	280192	7.81%	0.583%
42	11.339	1569	1573	1575	rBV	923473	884184	24.66%	1.841%
43	11.368	1575	1578	1581	rVV	3381663	3061003	85.37%	6.372%
44	11.416	1581	1586	1589	rVV	1354045	1242226	34.65%	2.586%
45	11.457	1589	1593	1597	rVV4	96803	179374	5.00%	0.373%
46	11.498	1597	1600	1605	rVV4	68734	106528	2.97%	0.222%
47	11.574	1609	1613	1617	rBV	261821	319549	8.91%	0.665%
48	11.668	1627	1629	1634	rVV2	128668	158884	4.43%	0.331%
49	11.751	1640	1643	1648	rVB	79422	100622	2.81%	0.209%
50	11.839	1655	1658	1661	rBV	565600	532116	14.84%	1.108%
51	11.868	1661	1663	1667	rVB	690264	621610	17.34%	1.294%
52	11.916	1668	1671	1674	rBV	306510	298659	8.33%	0.622%
53	11.957	1674	1678	1680	rVV	941330	1014713	28.30%	2.112%
54	11.974	1680	1681	1686	rVB	419950	313586	8.75%	0.653%
55	12.133	1705	1708	1713	rVV	362959	348573	9.72%	0.726%
56	12.286	1729	1734	1737	rBV2	114171	138893	3.87%	0.289%
57	12.316	1737	1739	1741	rVV	154426	116668	3.25%	0.243%
58	12.339	1741	1743	1746	rVB2	105835	100527	2.80%	0.209%
59	12.392	1748	1752	1756	rBV2	395489	619310	17.27%	1.289%
60	12.427	1756	1758	1761	rVV3	259491	327591	9.14%	0.682%
61	12.492	1764	1769	1776	rVB3	163963	318881	8.89%	0.664%
62	12.563	1776	1781	1784	rBV	3112137	3117795	86.96%	6.490%
63	12.621	1789	1791	1794	rVB2	107774	93917	2.62%	0.196%
64	12.710	1802	1806	1808	rBV2	187667	170033	4.74%	0.354%
65	12.792	1813	1820	1825	rBV2	2706775	3585410	100.00%	7.464%
66	12.839	1825	1828	1832	rVB2	195974	208933	5.83%	0.435%
67	12.921	1835	1842	1844	rBV2	644731	739170	20.62%	1.539%
68	12.957	1844	1848	1851	rVB	127004	153414	4.28%	0.319%
69	13.010	1851	1857	1860	rBV2	267897	451184	12.58%	0.939%
70	13.115	1867	1875	1878	rBV	687849	911302	25.42%	1.897%
71	13.180	1883	1886	1889	rVV	598409	547955	15.28%	1.141%

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72	13.221	1889	1893	1896	rVV2	388258	436246	12.17%	0.908%
73	13.315	1906	1909	1911	rVV	223683	185053	5.16%	0.385%
74	13.345	1911	1914	1923	rVB2	289290	372759	10.40%	0.776%
75	13.486	1933	1938	1940	rBV5	58873	108001	3.01%	0.225%
76	13.598	1954	1957	1960	rBV3	106364	138974	3.88%	0.289%
77	13.633	1960	1963	1966	rVB	132567	126539	3.53%	0.263%
78	13.739	1976	1981	1983	rBV2	251617	295534	8.24%	0.615%
79	13.762	1983	1985	1987	rVB	290959	207126	5.78%	0.431%
80	13.792	1987	1990	1991	rBV	211889	176250	4.92%	0.367%
81	13.845	1997	1999	2005	rVB2	145141	163776	4.57%	0.341%
82	13.910	2005	2010	2015	rBV2	95890	176222	4.91%	0.367%
83	13.986	2016	2023	2026	rBV2	1620492	2511791	70.06%	5.229%
84	14.015	2026	2028	2032	rVB	1210799	1109257	30.94%	2.309%
85	14.098	2039	2042	2044	rBV	367519	276898	7.72%	0.576%
86	14.151	2048	2051	2055	rVB2	124643	141972	3.96%	0.296%
87	14.339	2080	2083	2085	rBV	109774	118459	3.30%	0.247%
88	14.374	2085	2089	2093	rVB	271795	336888	9.40%	0.701%
89	14.409	2093	2095	2097	rBV	124558	101752	2.84%	0.212%
90	14.474	2104	2106	2109	rVB2	109821	101901	2.84%	0.212%
91	14.504	2109	2111	2113	rBV	163580	140157	3.91%	0.292%
92	14.527	2113	2115	2117	rVB2	144007	112328	3.13%	0.234%
93	15.039	2197	2202	2204	rBV	796323	1111491	31.00%	2.314%
94	15.145	2217	2220	2224	rVB	206215	220327	6.15%	0.459%
95	15.339	2249	2253	2260	rVB	468120	572823	15.98%	1.192%
96	15.404	2260	2264	2271	rVV	754811	931075	25.97%	1.938%
97	15.462	2271	2274	2277	rVV	407838	474104	13.22%	0.987%
98	15.498	2277	2280	2286	rVB2	215193	290516	8.10%	0.605%
99	16.945	2521	2526	2533	rVB	299154	584756	16.31%	1.217%
100	17.398	2598	2603	2612	rVB	216582	459696	12.82%	0.957%

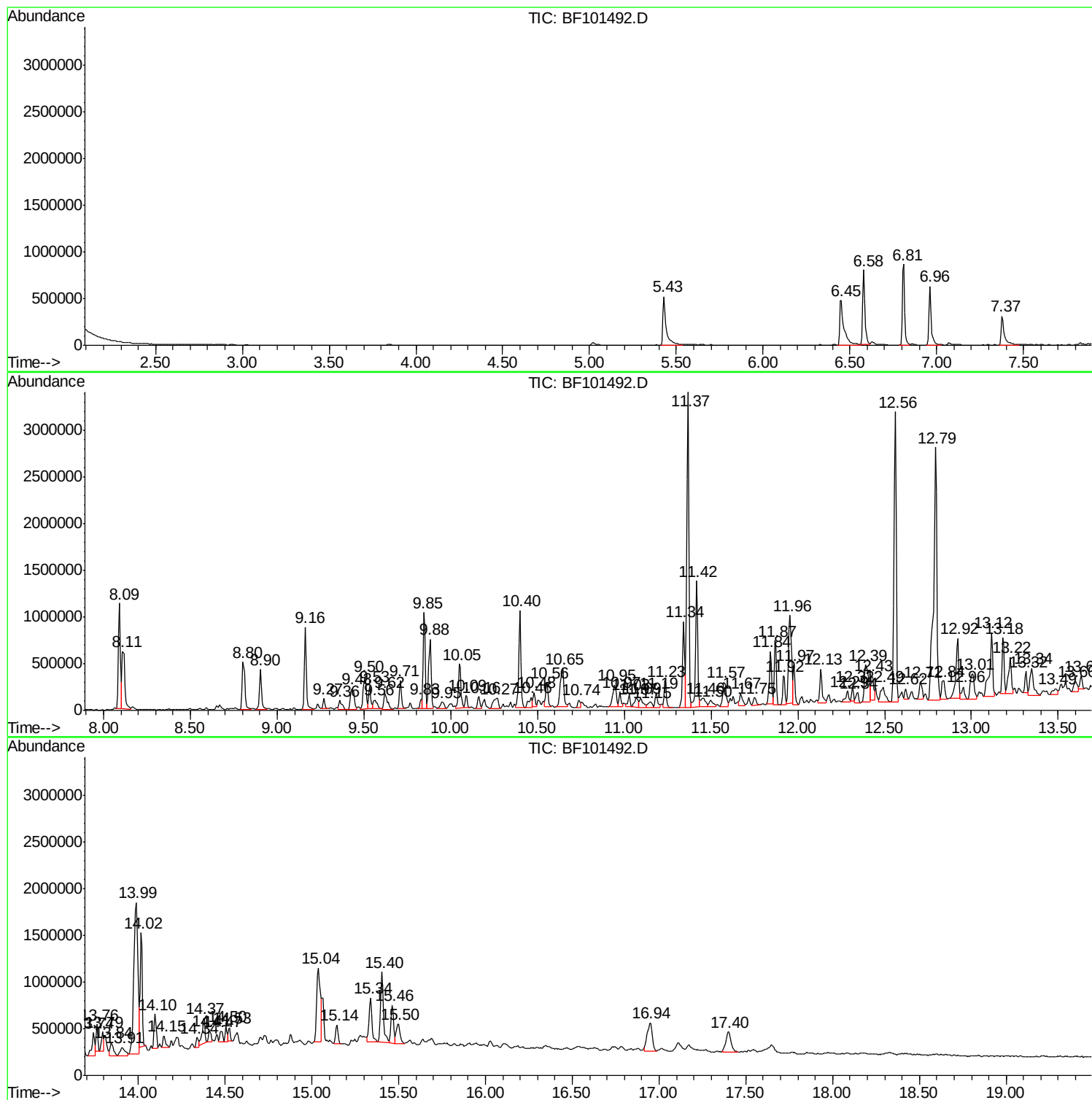
Sum of corrected areas: 48038814

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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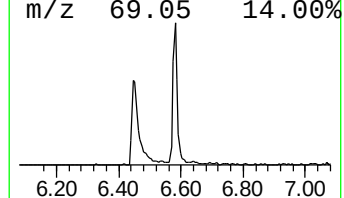
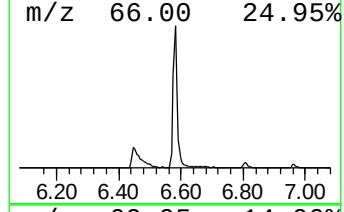
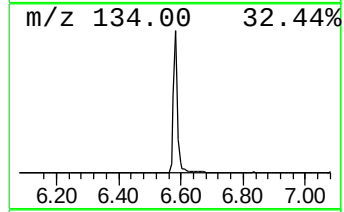
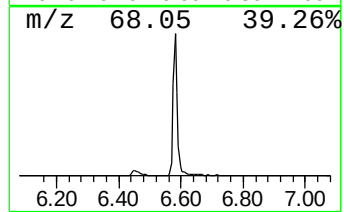
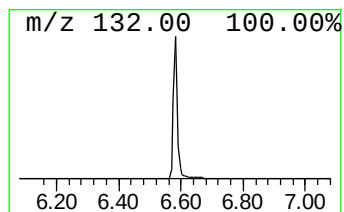
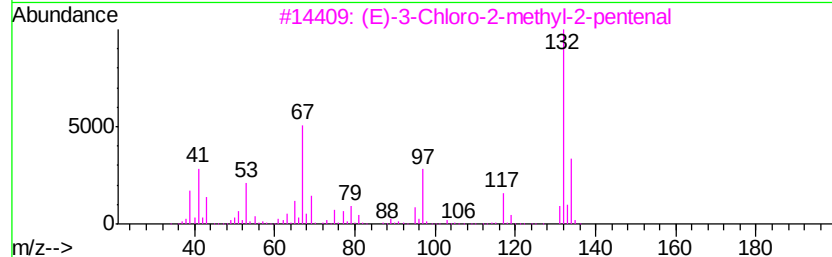
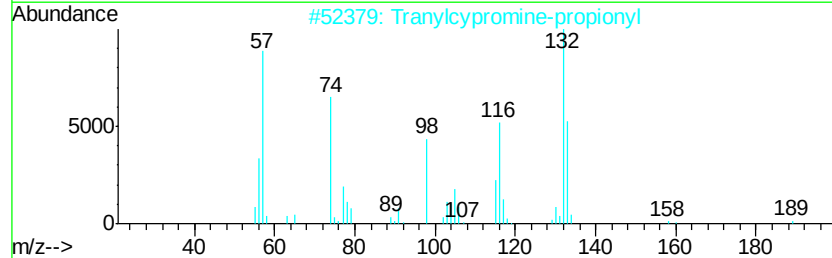
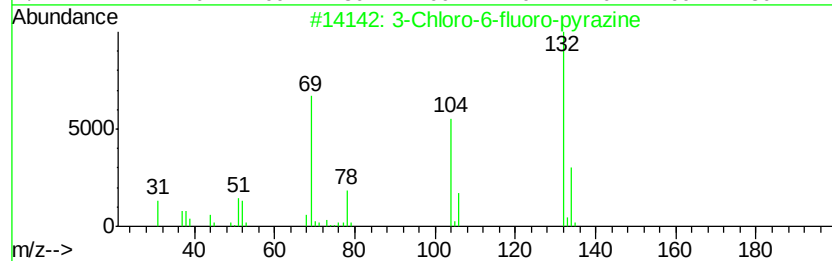
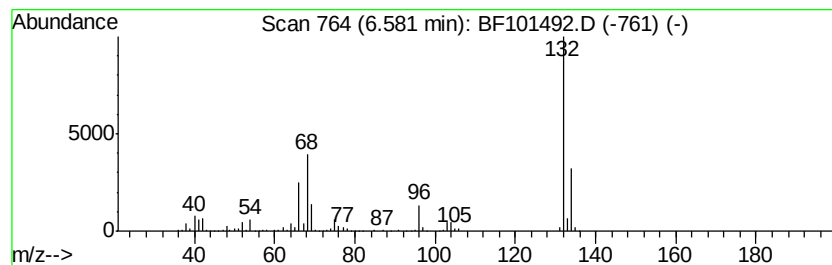
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.58 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	17.92 ng	761673	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	10
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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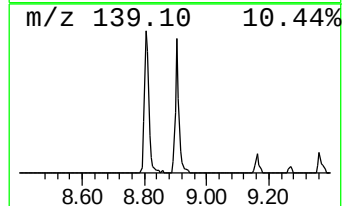
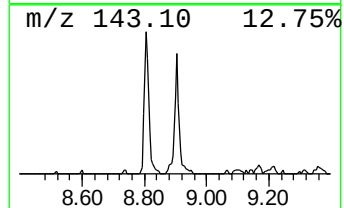
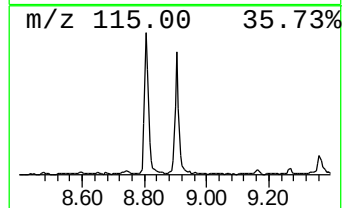
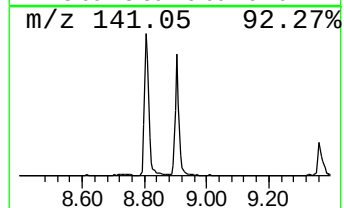
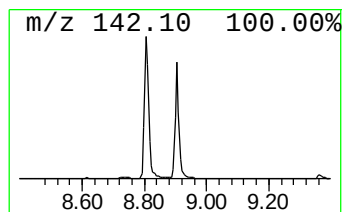
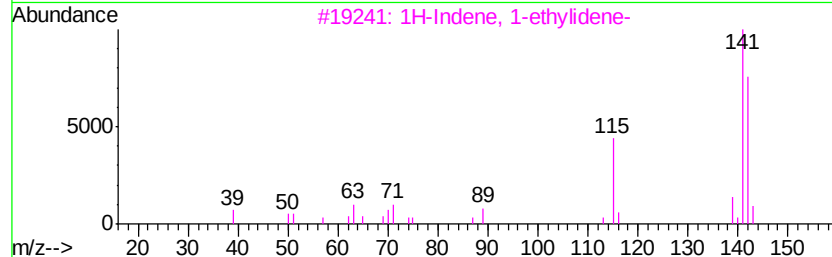
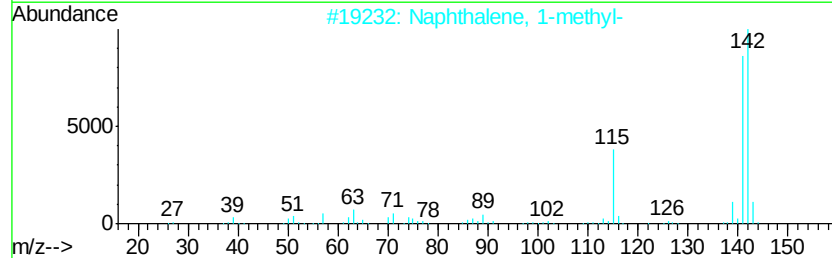
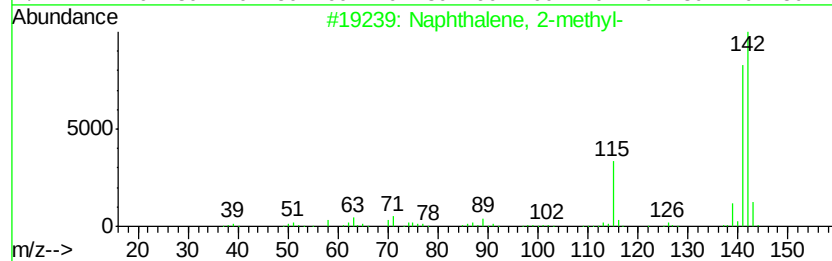
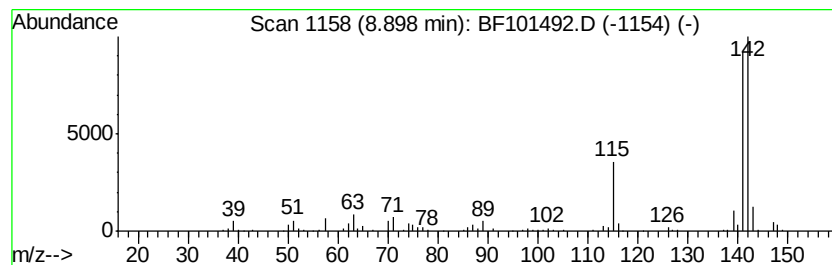
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.90	7.56 ng	386385	Naphthalene-d8	8.09	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91



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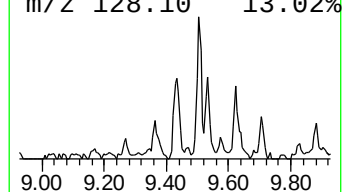
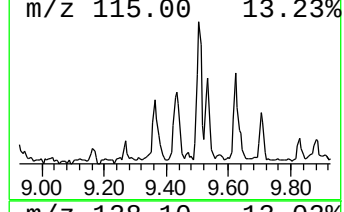
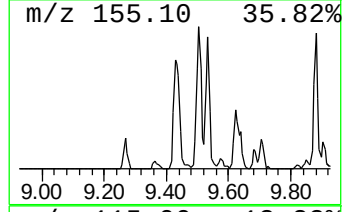
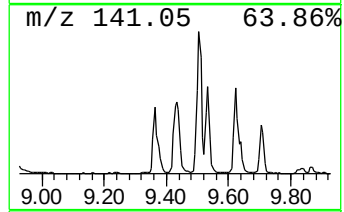
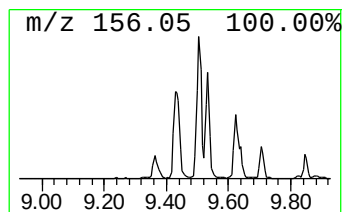
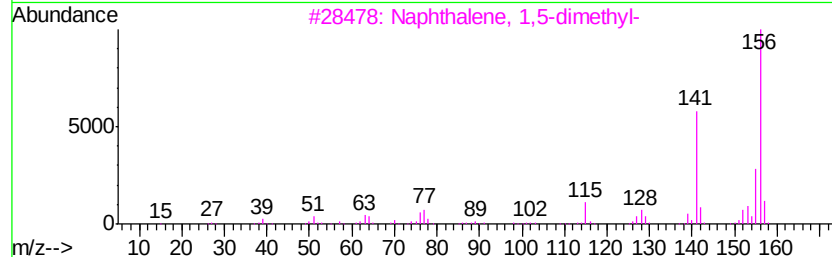
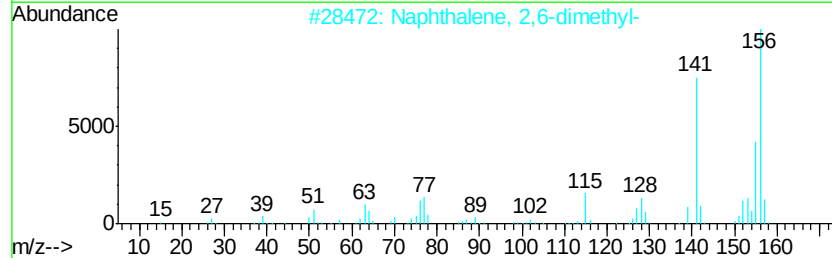
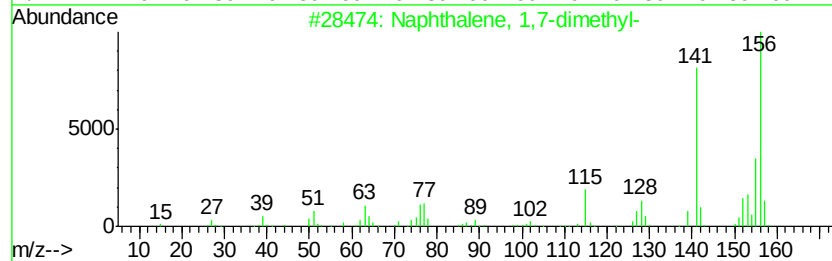
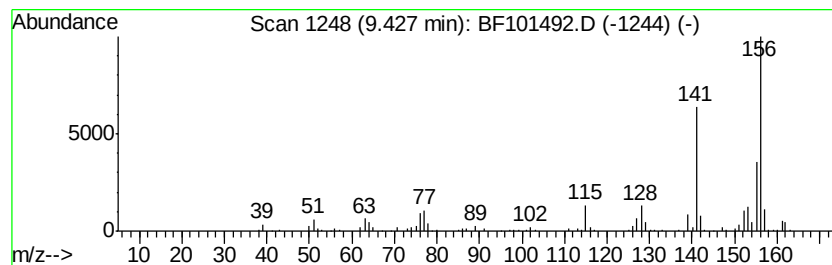
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Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.43	6.43 ng	297422	Acenaphthene-d10		9.85
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97



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Operator : SJ/JU
Sample : I6677-07 5X
Misc :
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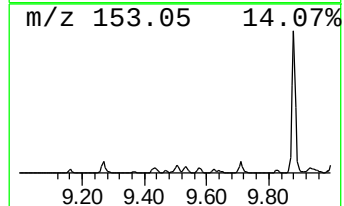
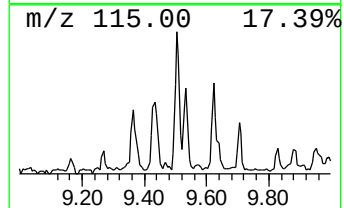
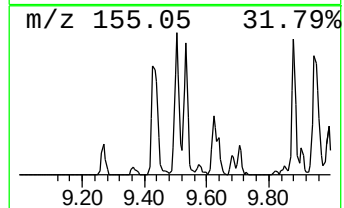
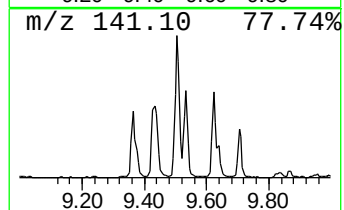
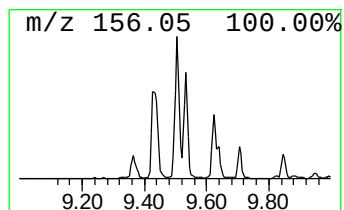
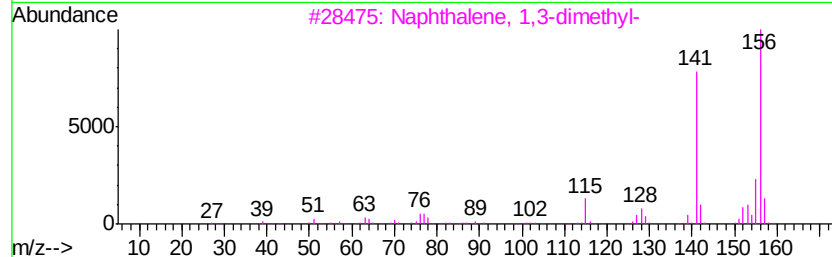
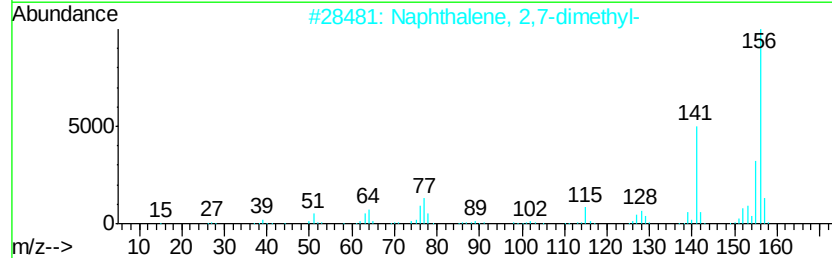
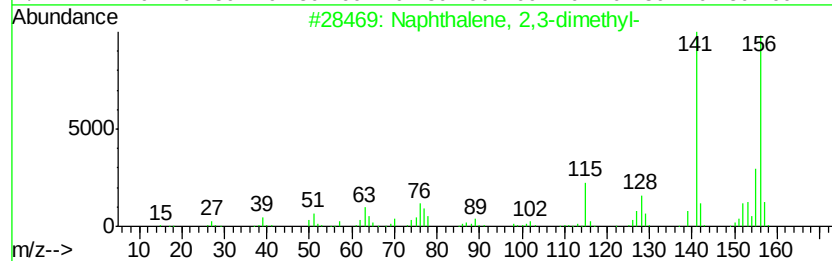
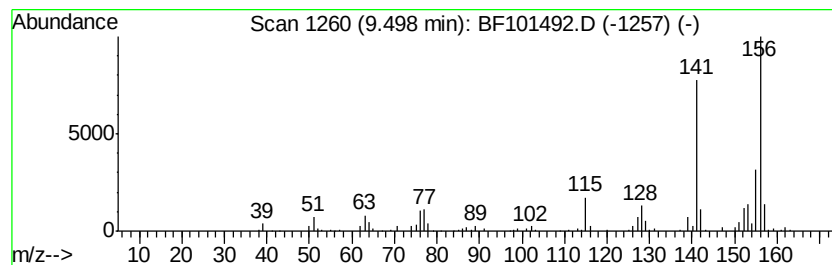
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	7.99 ng	369247	Acenaphthene-d10	9.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 98
2		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
3		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
5		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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Sample : I6677-07 5X
Misc :
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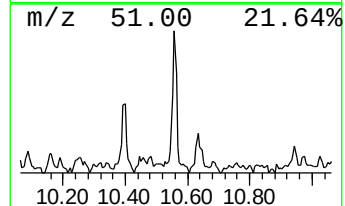
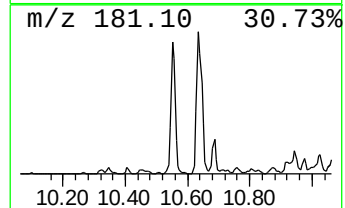
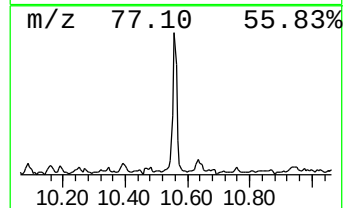
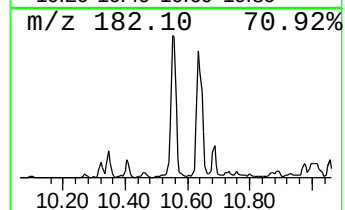
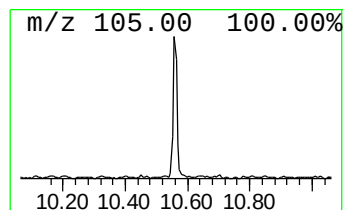
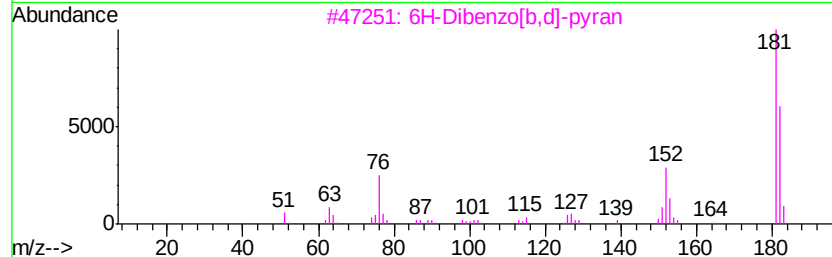
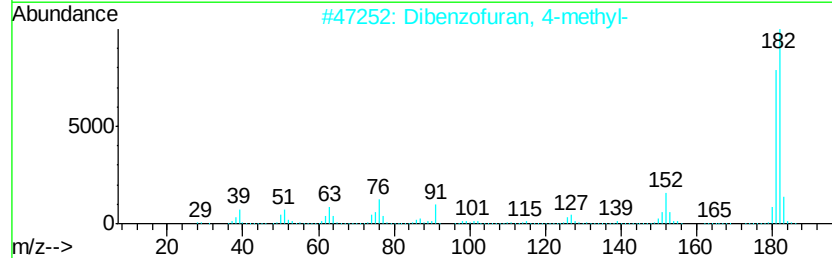
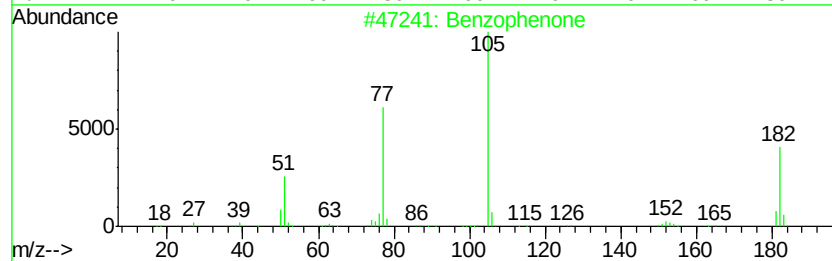
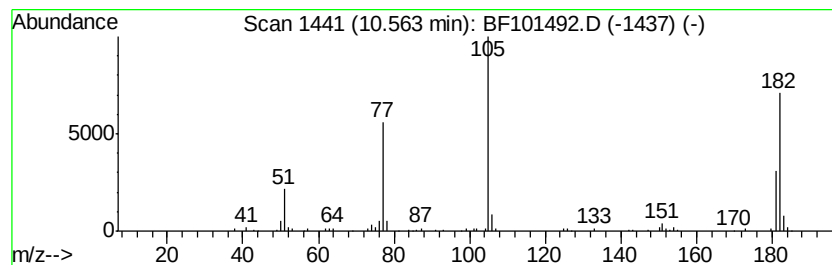
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzophenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.56	5.51 ng	254476	Acenaphthene-d10	9.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	70
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	53
3	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	43
4	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	43
5	9H-Xanthene	182	C13H10O	000092-83-1	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101492.D
Acq On : 18 Dec 2017 20:30
Operator : SJ/JU
Sample : I6677-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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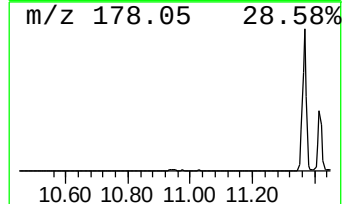
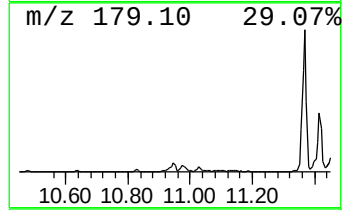
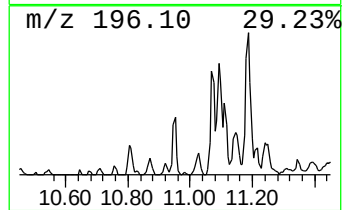
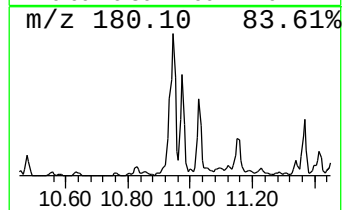
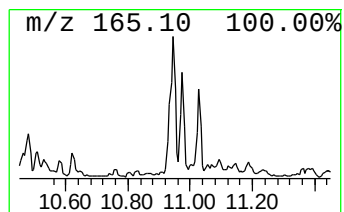
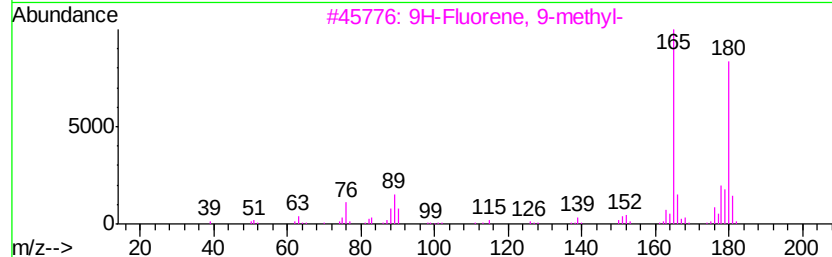
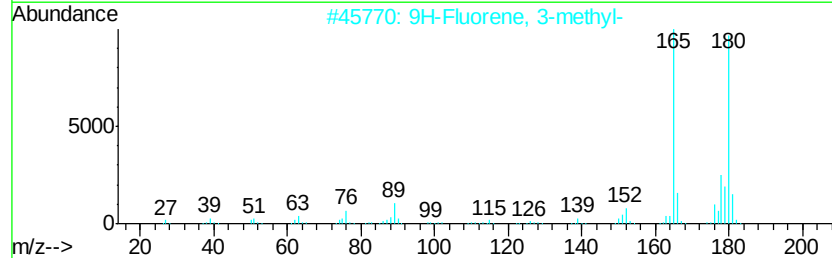
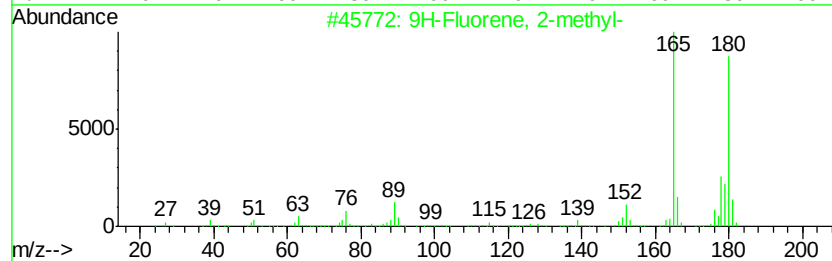
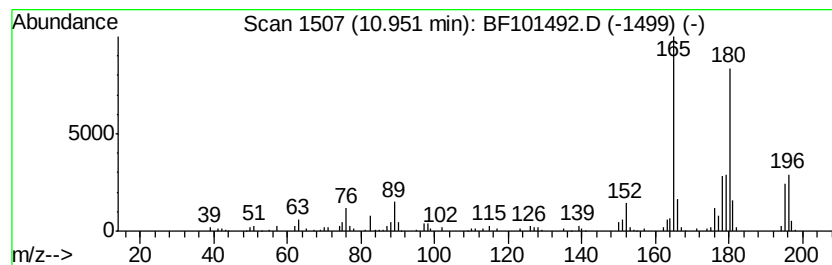
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	6.76 ng	299075	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101492.D
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Operator : SJ/JU
Sample : I6677-07 5X
Misc :
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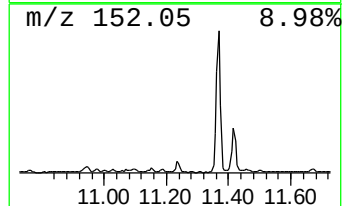
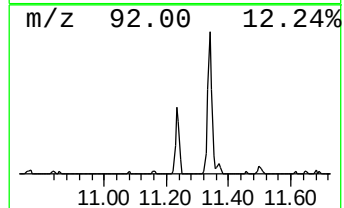
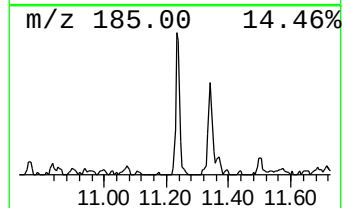
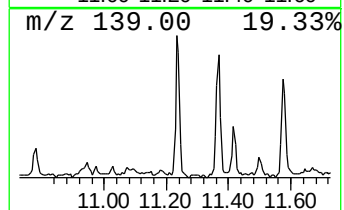
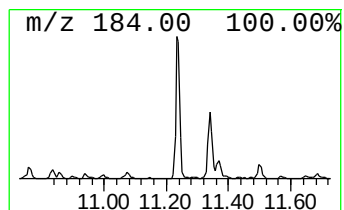
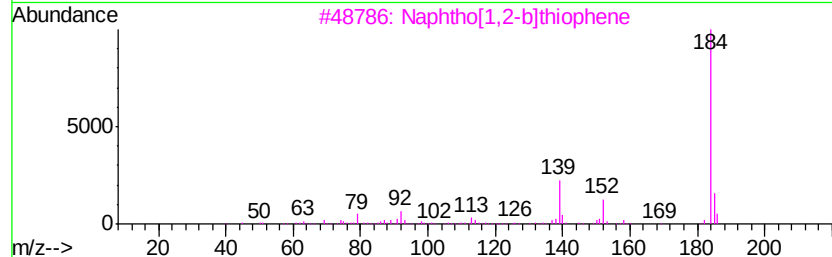
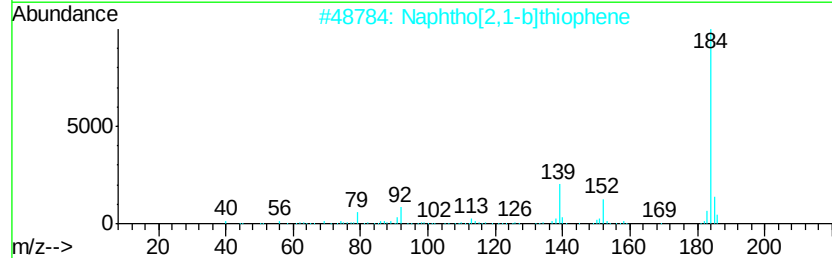
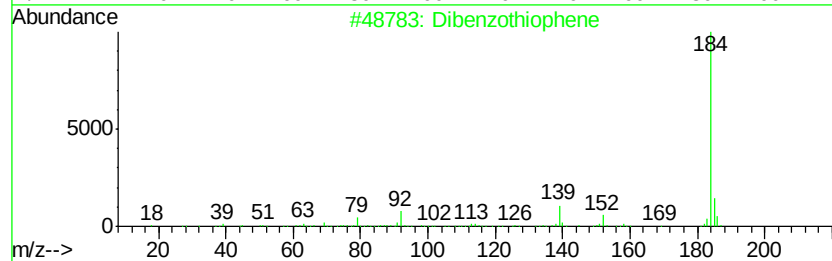
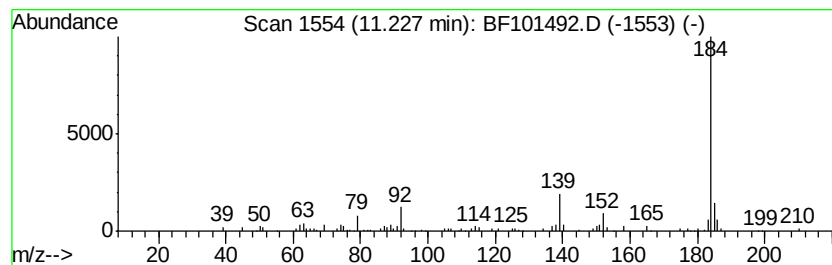
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.23	6.34 ng	280192	Phenanthrene-d10		11.34
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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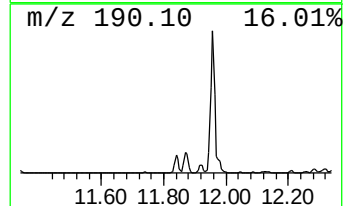
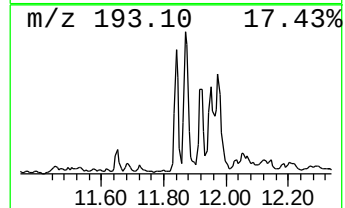
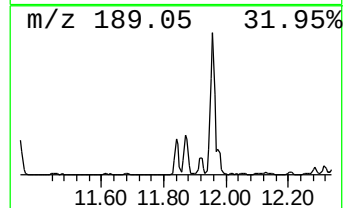
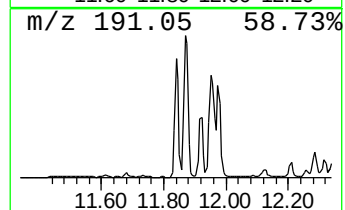
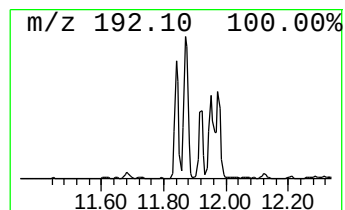
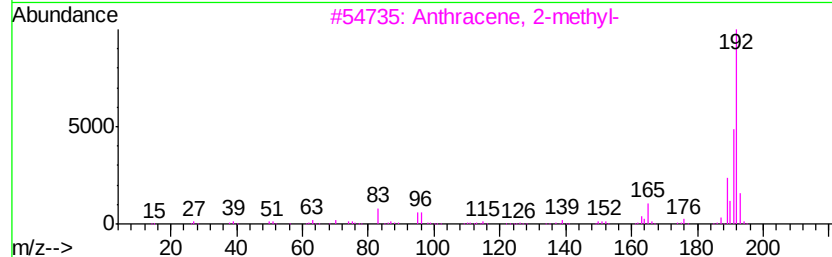
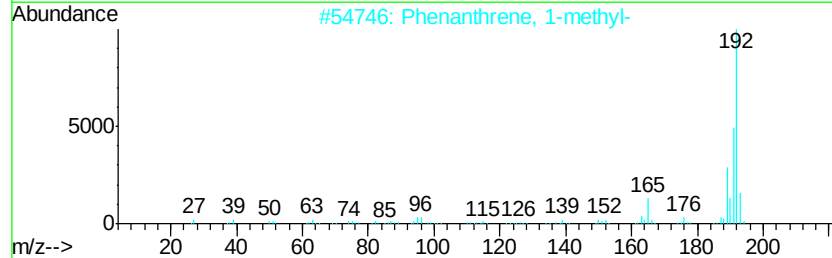
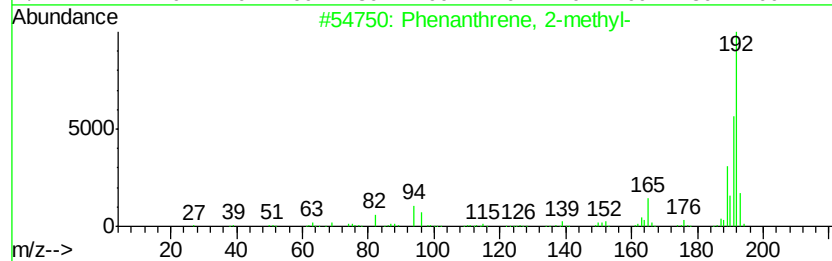
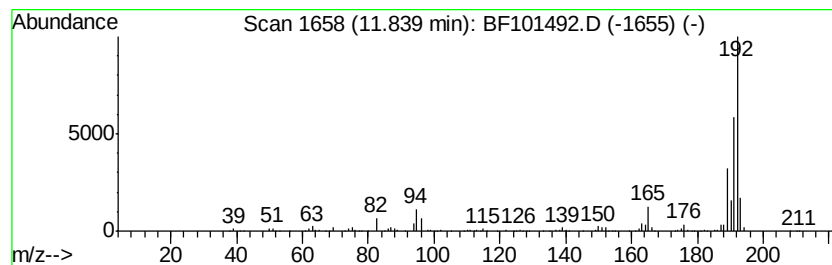
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.84	12.04 ng	532116	Phenanthrene-d10		11.34	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-		192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-		192	C15H12	000610-48-0	95
5	1H-Indene, 1-phenyl-		192	C15H12	001961-96-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101492.D
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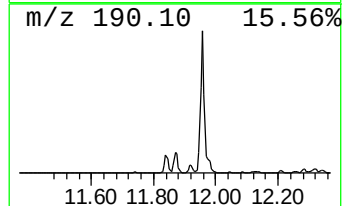
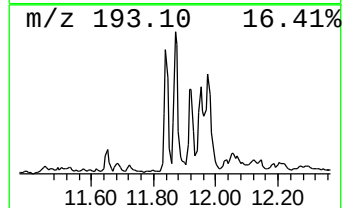
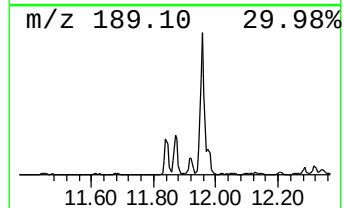
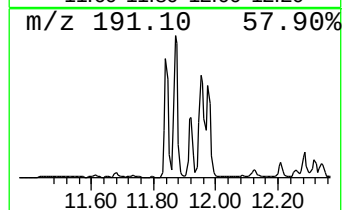
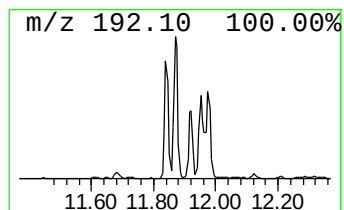
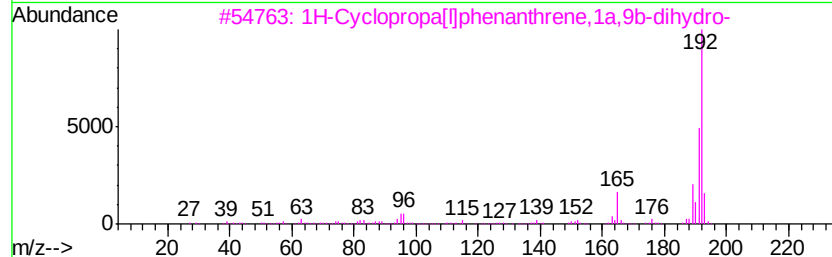
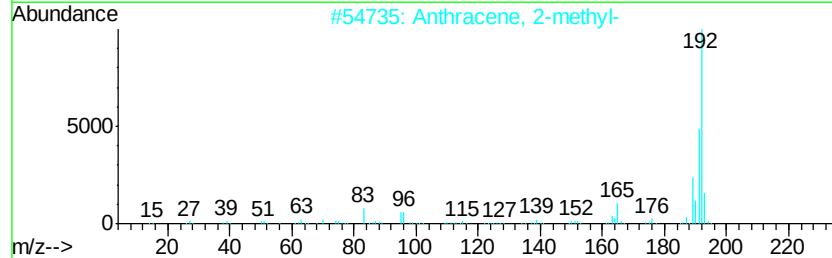
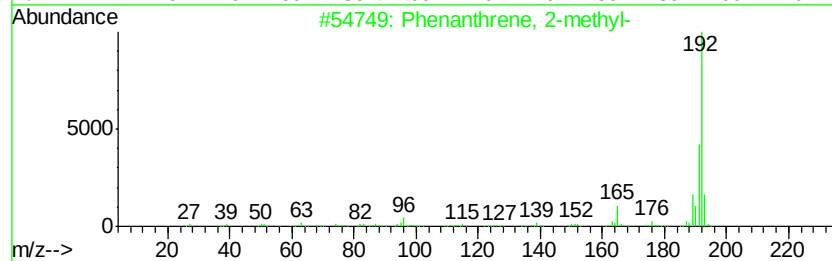
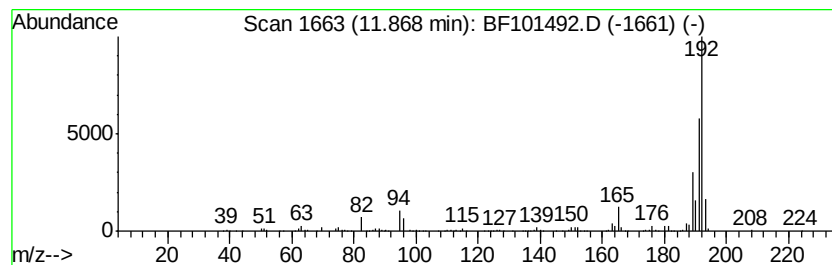
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	14.06 ng	621610	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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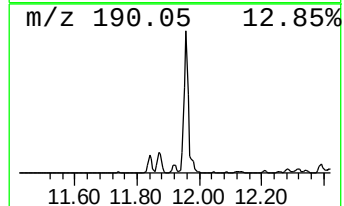
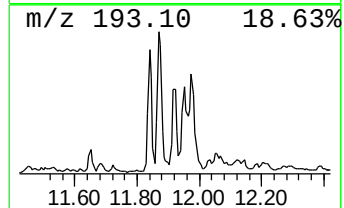
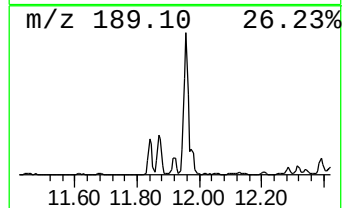
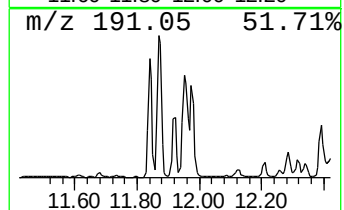
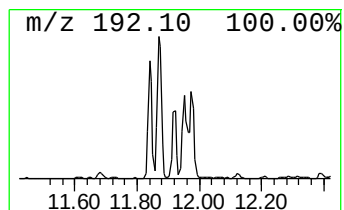
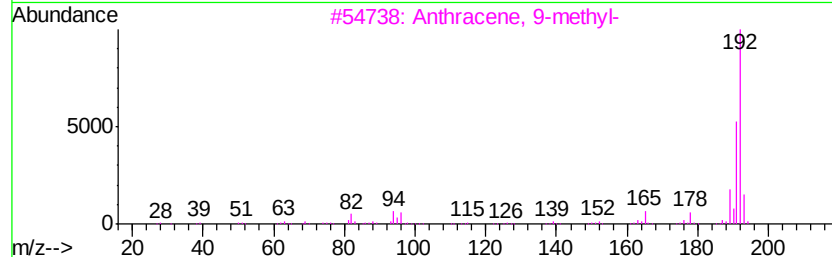
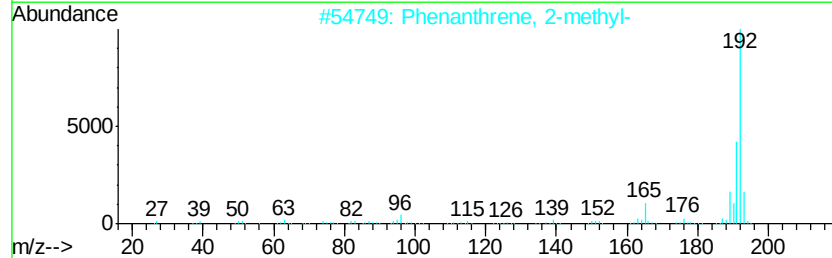
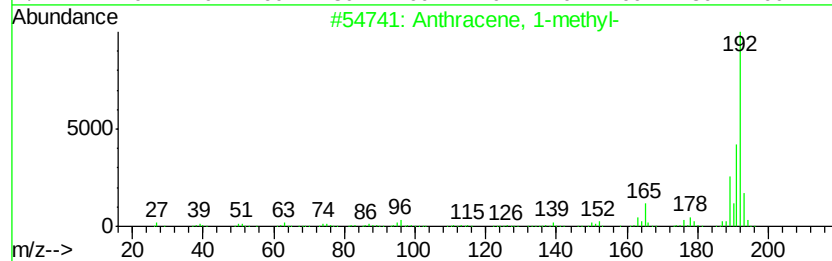
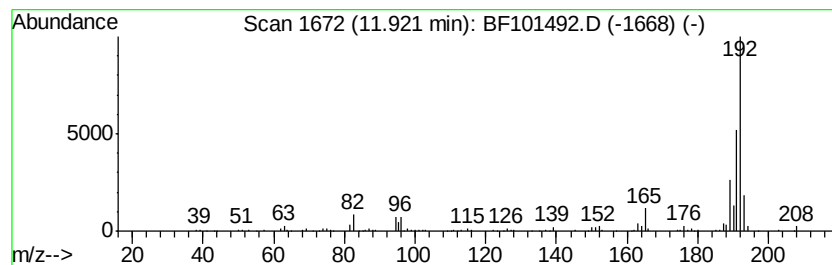
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.92	6.76 ng	298659	Phenanthrene-d10		11.34	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101492.D
Acq On : 18 Dec 2017 20:30
Operator : SJ/JU
Sample : I6677-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

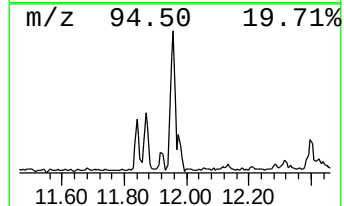
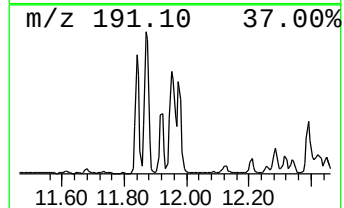
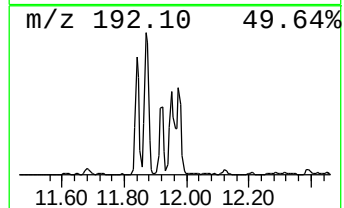
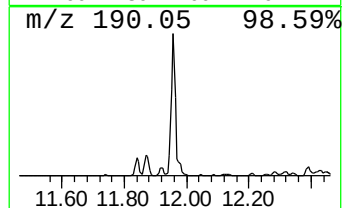
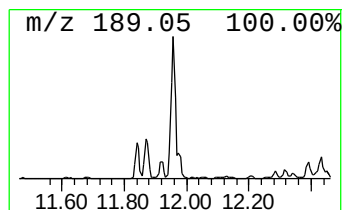
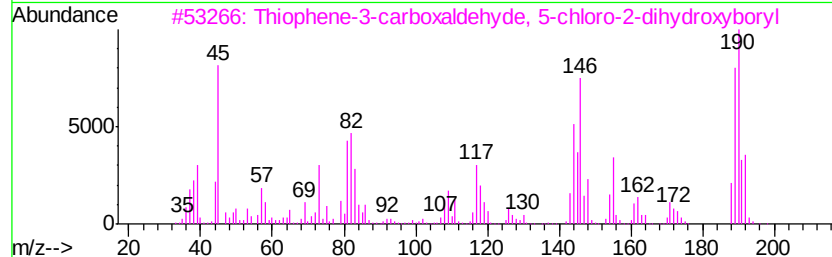
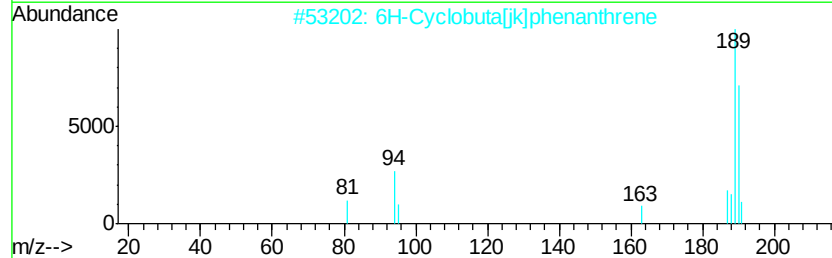
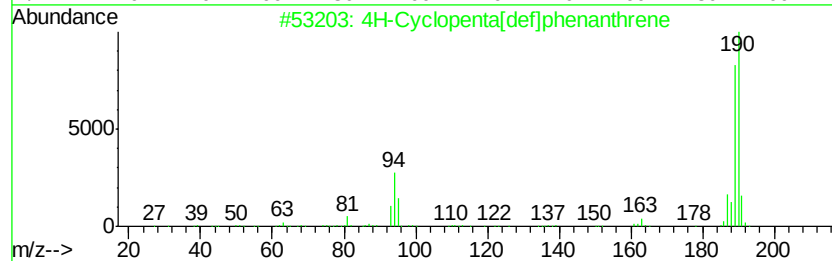
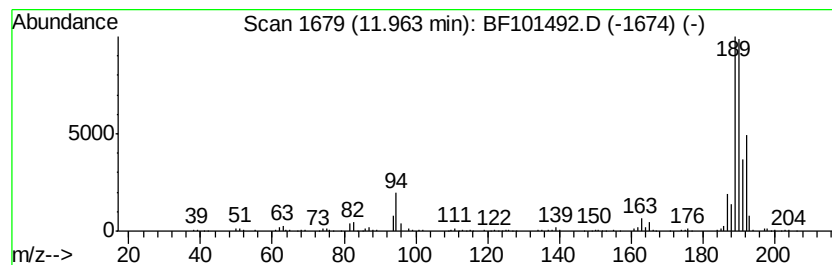
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.		
11.96	22.95 ng	1014710	Phenanthrene-d10	11.34		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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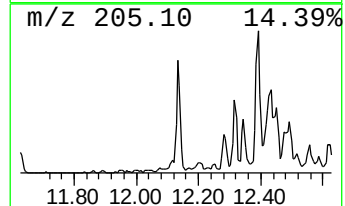
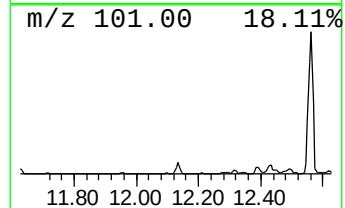
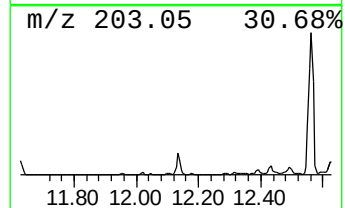
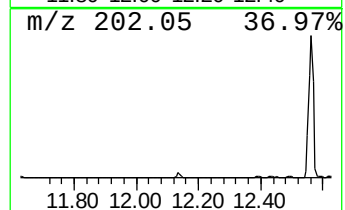
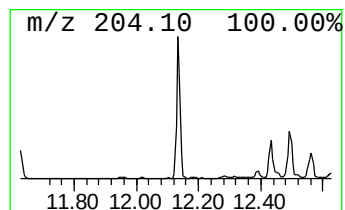
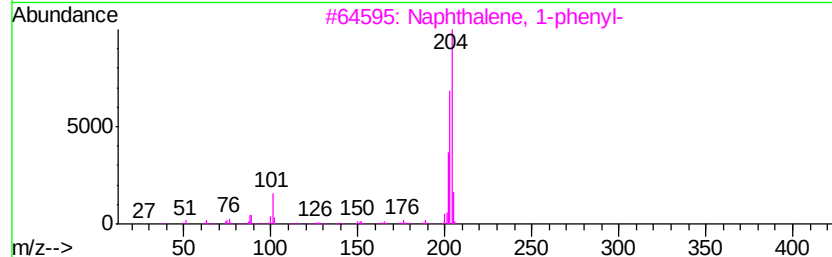
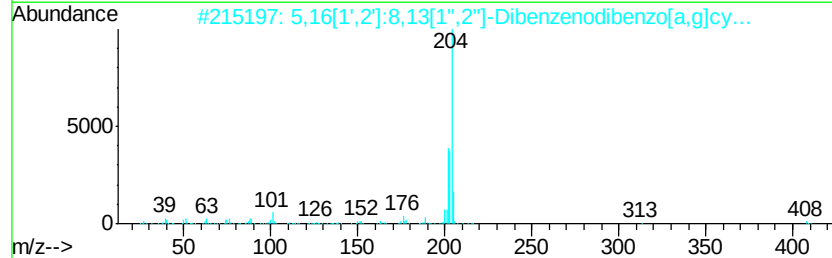
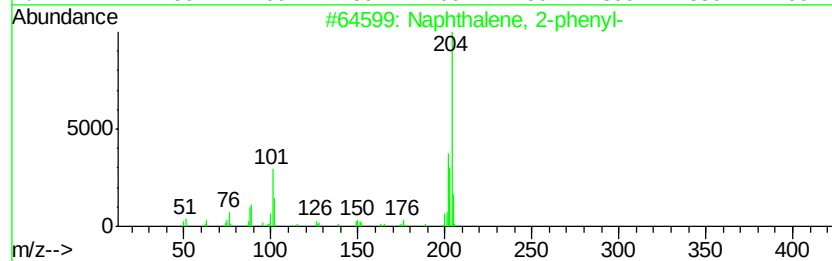
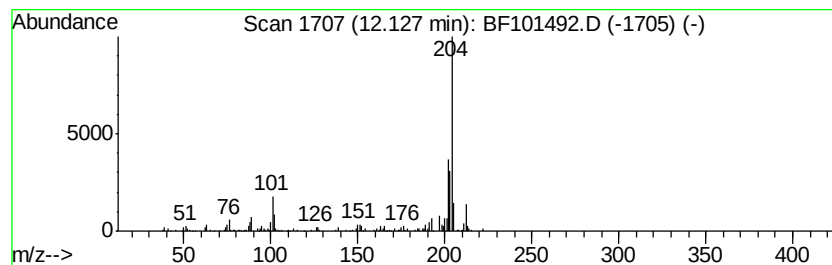
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	7.88 ng	348573	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
5		Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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Acq On : 18 Dec 2017 20:30
Operator : SJ/JU
Sample : I6677-07 5X
Misc :
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ClientSampleId :
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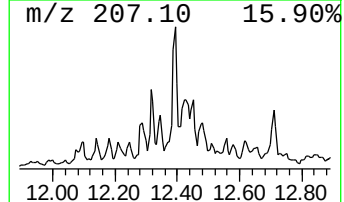
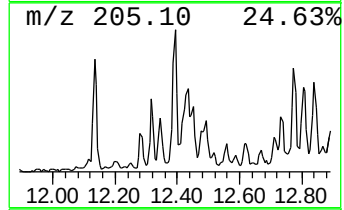
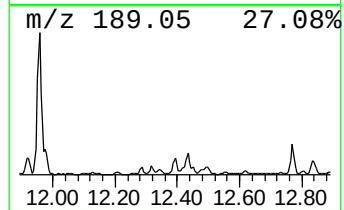
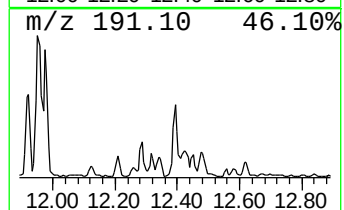
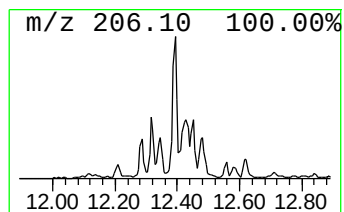
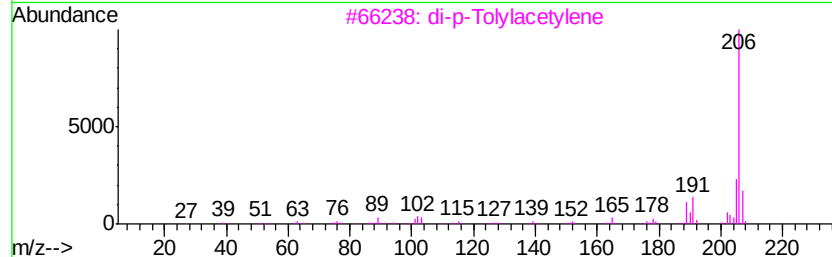
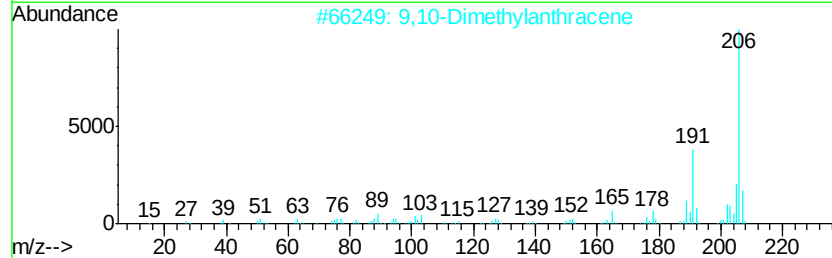
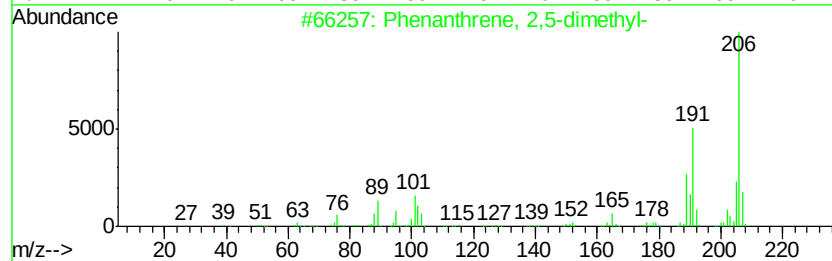
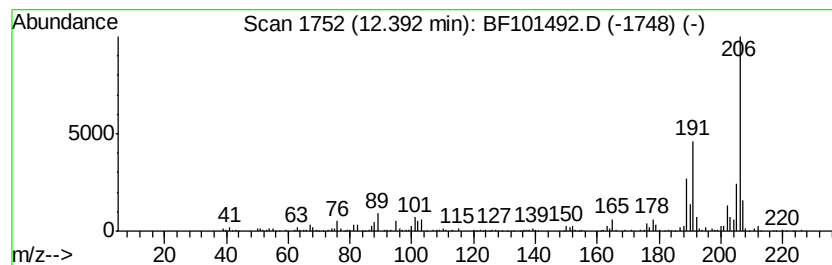
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	14.01 ng	619310	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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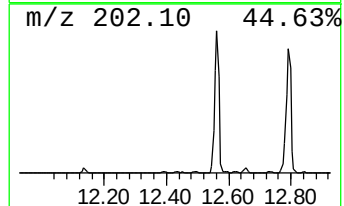
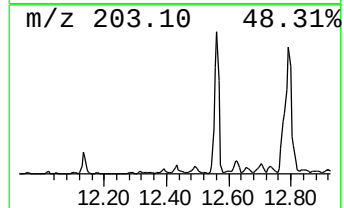
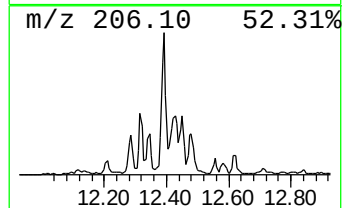
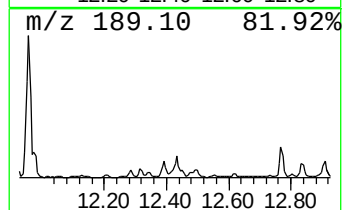
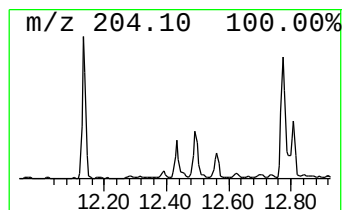
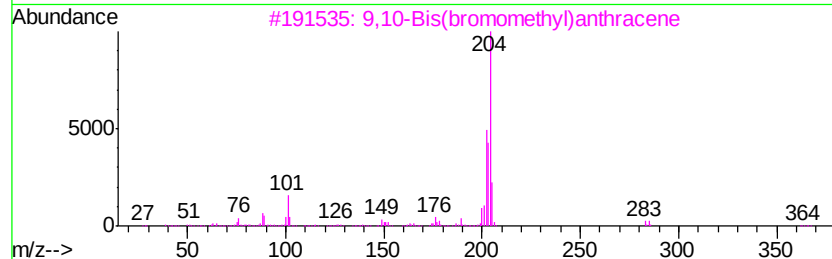
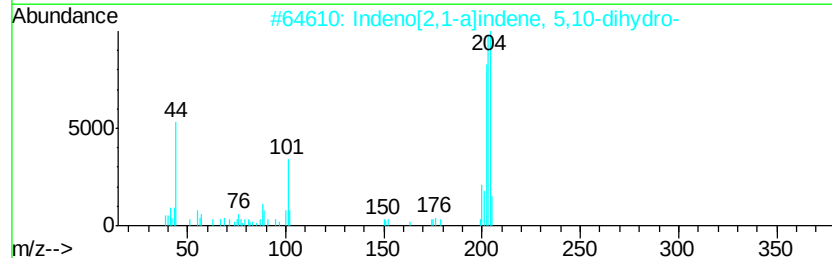
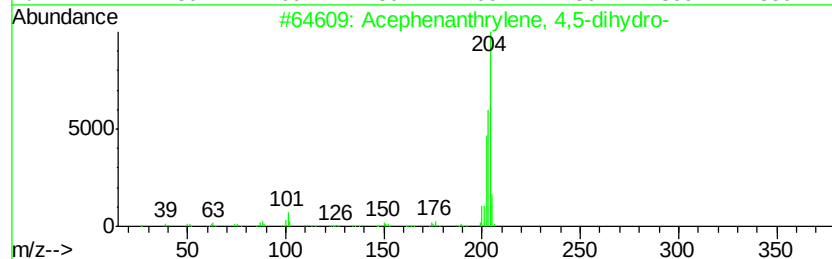
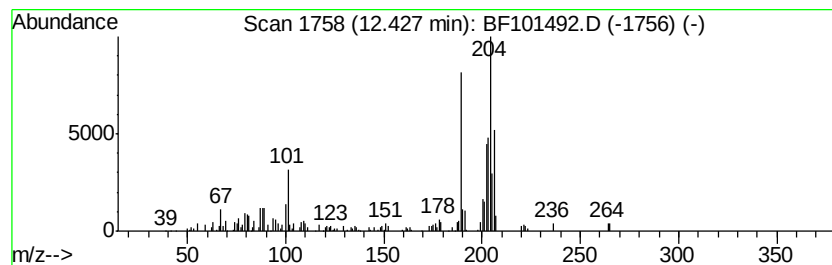
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown12.43 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	7.41 ng	327591	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
2		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	45
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
4		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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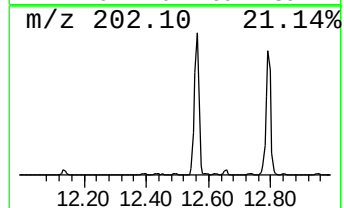
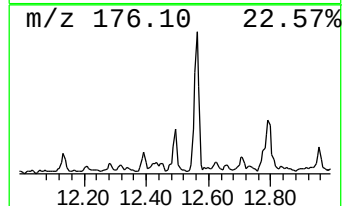
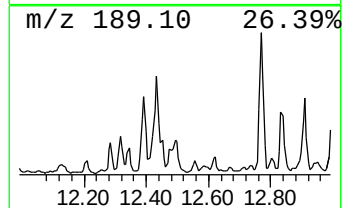
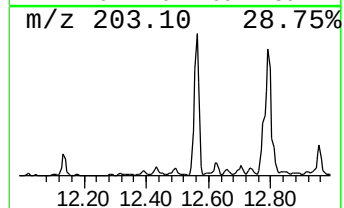
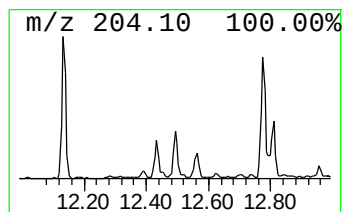
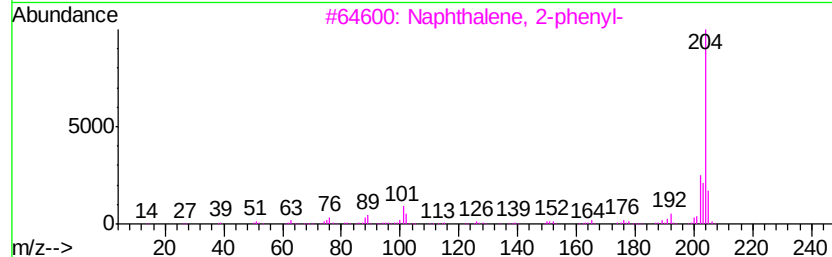
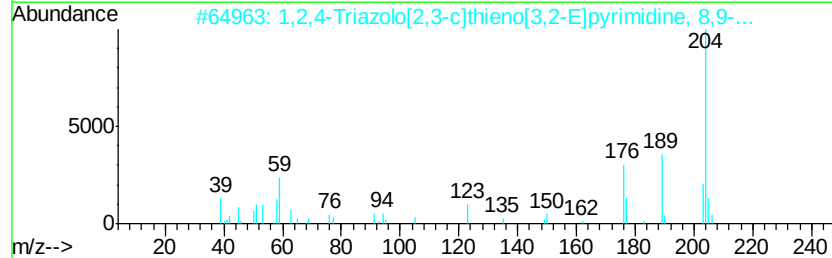
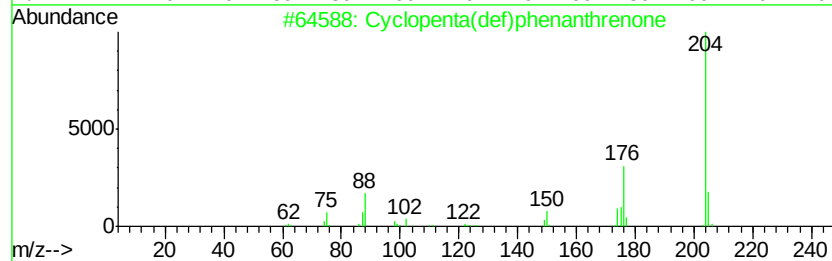
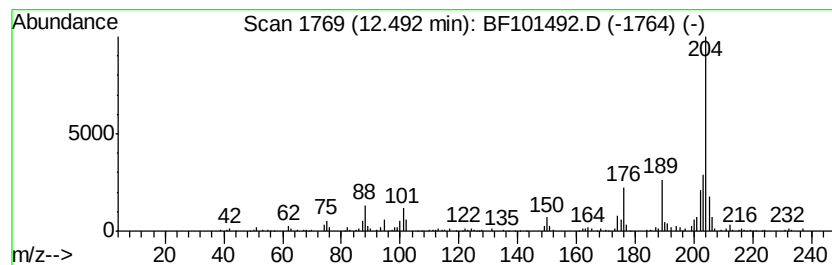
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	7.21 ng	318881	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2		1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	58
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5		4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101492.D
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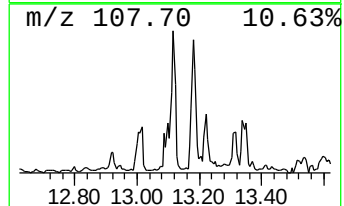
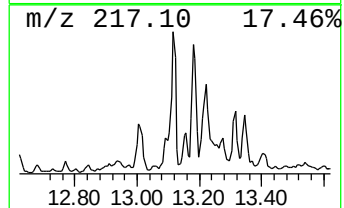
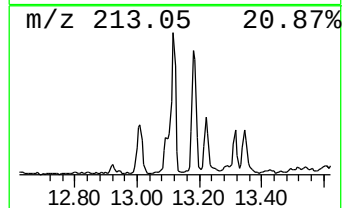
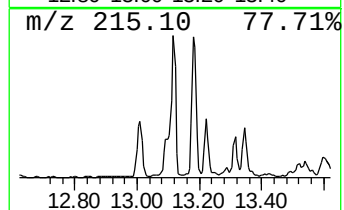
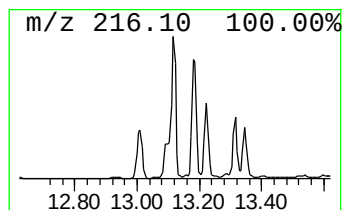
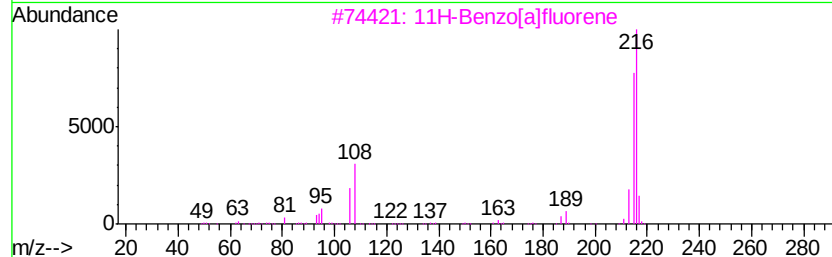
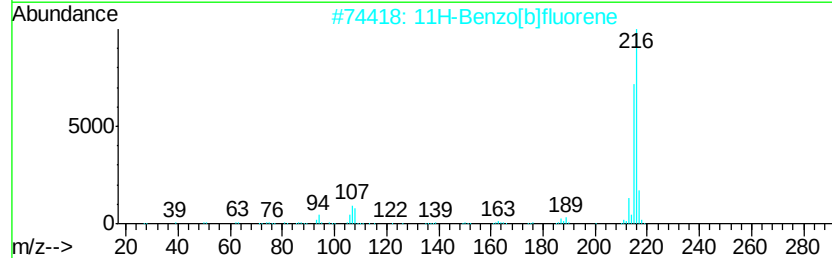
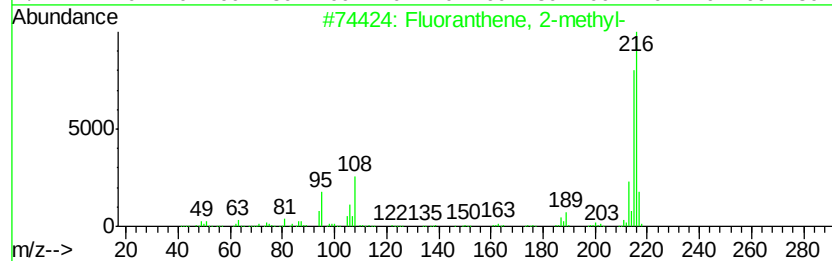
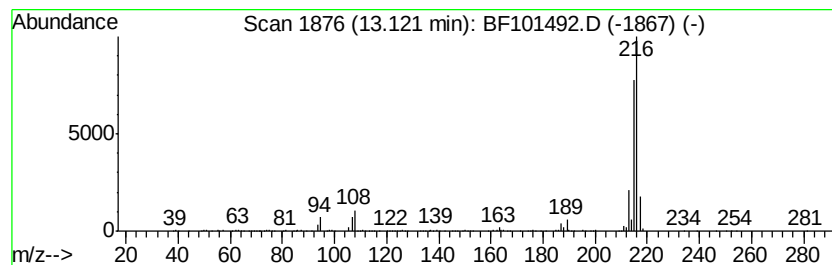
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	7.26 ng	911302	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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ALS Vial : 21 Sample Multiplier: 1

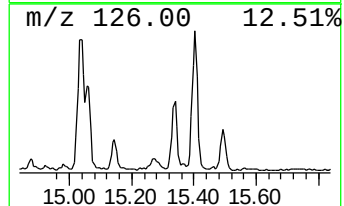
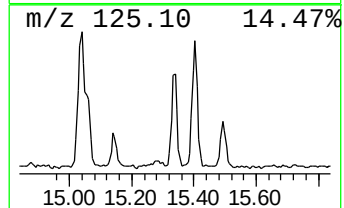
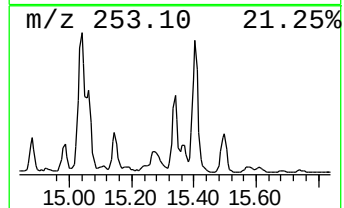
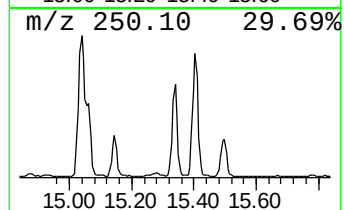
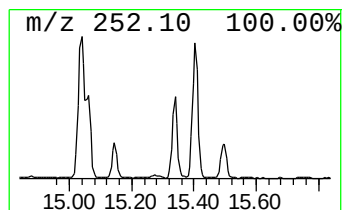
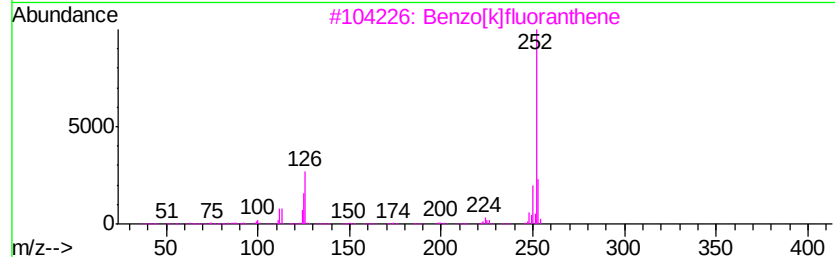
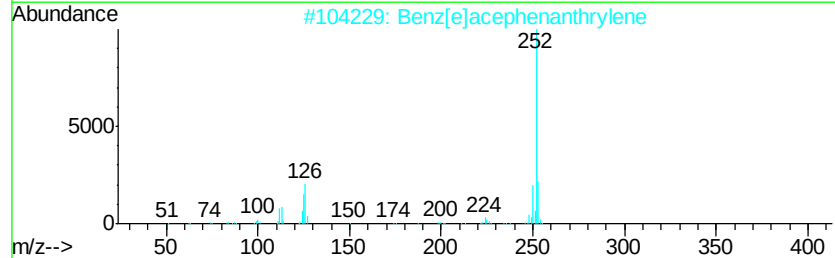
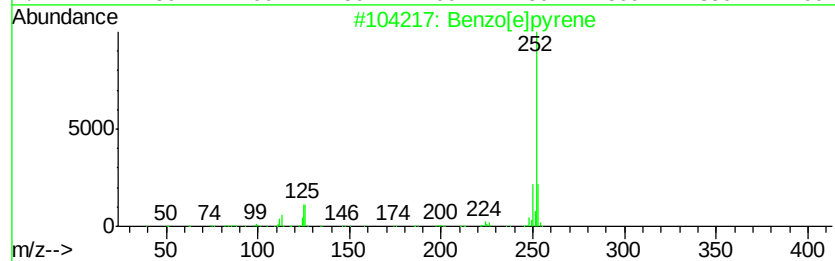
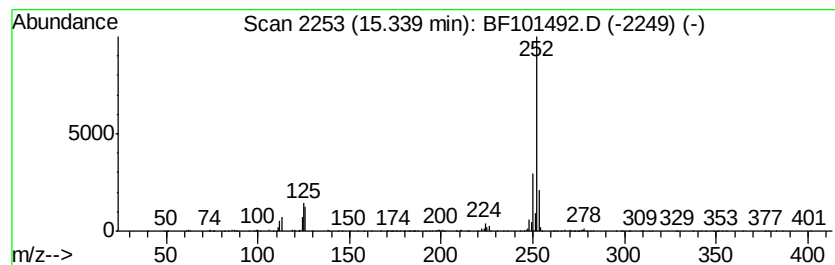
Instrument :
BNA_F
ClientSampleId :
OR-01-121517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	24.16 ng	572823	Perylene-d12	15.46
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzo[e]pyrene	252 C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252 C20H12	000205-99-2	94
3	Benzo[k]fluoranthene	252 C20H12	000207-08-9	93
4	Benzo[a]pyrene	252 C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252 C20H12	000205-82-3	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
 Data File : BF101492.D
 Acq On : 18 Dec 2017 20:30
 Operator : SJ/JU
 Sample : I6677-07 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-121517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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
unknown6.58	6.58	17.9	ng	761673	1	6.81	850130	20.0
Naphthalene, 2-me...	8.90	7.6	ng	386385	2	8.09	1022810	20.0
Naphthalene, 1,7-...	9.43	6.4	ng	297422	3	9.85	924422	20.0
Naphthalene, 2,3-...	9.50	8.0	ng	369247	3	9.85	924422	20.0
Benzophenone	10.56	5.5	ng	254476	3	9.85	924422	20.0
9H-Fluorene, 2-me...	10.95	6.8	ng	299075	4	11.34	884184	20.0
Dibenzothiophene	11.23	6.3	ng	280192	4	11.34	884184	20.0
Phenanthrene, 2-m...	11.84	12.0	ng	532116	4	11.34	884184	20.0
Anthracene, 2-met...	11.87	14.1	ng	621610	4	11.34	884184	20.0
Anthracene, 1-met...	11.92	6.8	ng	298659	4	11.34	884184	20.0
4H-Cyclopenta[def...	11.96	22.9	ng	1014710	4	11.34	884184	20.0
Naphthalene, 2-ph...	12.13	7.9	ng	348573	4	11.34	884184	20.0
Phenanthrene, 2,5...	12.39	14.0	ng	619310	4	11.34	884184	20.0
unknown12.43	12.43	7.4	ng	327591	4	11.34	884184	20.0
Cyclopenta(def)ph...	12.49	7.2	ng	318881	4	11.34	884184	20.0
Fluoranthene, 2-m...	13.12	7.3	ng	911302	5	13.99	2511790	20.0
Benzo[e]pyrene	15.34	24.2	ng	572823	6	15.46	474104	20.0