

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
 Data File : BF100988.D
 Acq On : 29 Nov 2017 19:51
 Operator : SJ/JU
 Sample : I6304-30 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-112817-E

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.463	570	574	583	rVB	276170	247907	4.83%	0.370%
2	6.475	743	746	755	rVB	319537	262914	5.13%	0.392%
3	6.616	767	770	774	rBV	315673	269852	5.26%	0.403%
4	6.851	806	810	814	rBV	537146	434123	8.47%	0.648%
5	7.004	833	836	839	rBV	242911	208458	4.07%	0.311%
6	8.139	1025	1029	1030	rBV	572296	565273	11.02%	0.844%
7	8.163	1030	1033	1036	rVV	1226642	1087647	21.21%	1.624%
8	8.851	1146	1150	1153	rBV	1218632	964197	18.80%	1.439%
9	8.951	1161	1167	1170	rVB	880168	770356	15.02%	1.150%
10	9.204	1207	1210	1214	rVB	366615	307987	6.01%	0.460%
11	9.404	1242	1244	1250	rVB	178720	190365	3.71%	0.284%
12	9.475	1250	1256	1260	rBV	433840	596849	11.64%	0.891%
13	9.551	1264	1269	1271	rVV	684480	671058	13.09%	1.002%
14	9.575	1271	1273	1276	rVV	507041	389257	7.59%	0.581%
15	9.663	1283	1288	1290	rBV	299759	293712	5.73%	0.438%
16	9.751	1300	1303	1307	rVB	465688	380948	7.43%	0.569%
17	9.892	1325	1327	1330	rVV2	609676	494564	9.65%	0.738%
18	9.927	1330	1333	1336	rVV	1294168	1040255	20.29%	1.553%
19	9.992	1341	1344	1348	rVV3	117674	159146	3.10%	0.238%
20	10.098	1358	1362	1365	rVV	1054580	1002011	19.54%	1.496%
21	10.133	1365	1368	1371	rVB	224375	195011	3.80%	0.291%
22	10.204	1376	1380	1383	rBV2	229461	245667	4.79%	0.367%
23	10.233	1383	1385	1391	rVB	187694	163468	3.19%	0.244%
24	10.298	1391	1396	1397	rBV2	144472	183066	3.57%	0.273%
25	10.445	1417	1421	1425	rVB	1766792	1650824	32.19%	2.464%
26	10.527	1433	1435	1437	rVV2	219297	184958	3.61%	0.276%
27	10.598	1444	1447	1450	rVV	346999	328283	6.40%	0.490%
28	10.680	1454	1461	1464	rBV2	490900	620143	12.09%	0.926%
29	10.986	1506	1513	1516	rBV2	407599	477015	9.30%	0.712%
30	11.016	1516	1518	1521	rVB	225995	168172	3.28%	0.251%
31	11.069	1524	1527	1530	rVB	228106	194989	3.80%	0.291%
32	11.116	1530	1535	1537	rBV3	147676	220925	4.31%	0.330%
33	11.227	1550	1554	1558	rVV2	181422	227007	4.43%	0.339%
34	11.274	1558	1562	1568	rVB	422167	430298	8.39%	0.642%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.386	1574	1581	1582	rBV	364060	456041	8.89%	0.681%
36	11.422	1582	1587	1590	rVV	3440165	4665587	90.99%	6.964%
37	11.469	1590	1595	1597	rVV	1709129	1710127	33.35%	2.553%
38	11.492	1597	1599	1601	rVV	215195	199500	3.89%	0.298%
39	11.533	1604	1606	1612	rVV3	102006	180499	3.52%	0.269%
40	11.610	1612	1619	1626	rVV	446771	625801	12.20%	0.934%
41	11.674	1626	1630	1632	rVV2	182481	206975	4.04%	0.309%
42	11.710	1633	1636	1641	rVV3	199132	258860	5.05%	0.386%
43	11.886	1660	1666	1668	rBV	803607	801579	15.63%	1.197%
44	11.916	1668	1671	1674	rVB	1159583	969135	18.90%	1.447%
45	11.963	1674	1679	1682	rBV	546337	546977	10.67%	0.816%
46	12.004	1682	1686	1688	rBV	1368450	1602379	31.25%	2.392%
47	12.021	1688	1689	1692	rVB	668974	331604	6.47%	0.495%
48	12.174	1712	1715	1718	rVV	464693	421696	8.22%	0.629%
49	12.327	1735	1741	1743	rBV2	160445	185753	3.62%	0.277%
50	12.380	1748	1750	1753	rVB	211891	173634	3.39%	0.259%
51	12.433	1753	1759	1762	rBV	538815	647389	12.63%	0.966%
52	12.474	1762	1766	1768	rVV2	336108	424541	8.28%	0.634%
53	12.533	1771	1776	1780	rVB3	214247	330260	6.44%	0.493%
54	12.616	1784	1790	1793	rBV	3184191	4642589	90.54%	6.930%
55	12.751	1806	1813	1815	rBV2	245339	318471	6.21%	0.475%
56	12.851	1822	1830	1832	rBV2	2919547	5127596	100.00%	7.654%
57	12.880	1832	1835	1839	rVB2	328648	358804	7.00%	0.536%
58	12.945	1842	1846	1848	rVV	341244	400671	7.81%	0.598%
59	12.986	1851	1853	1856	rVB	296696	276750	5.40%	0.413%
60	13.051	1856	1864	1867	rBV3	425595	782632	15.26%	1.168%
61	13.133	1874	1878	1880	rBV3	373109	505752	9.86%	0.755%
62	13.163	1880	1883	1885	rVB	1110292	1028105	20.05%	1.535%
63	13.227	1890	1894	1896	rVV	1074105	980248	19.12%	1.463%
64	13.263	1896	1900	1903	rVV2	606148	720896	14.06%	1.076%
65	13.357	1912	1916	1918	rBV	350325	319355	6.23%	0.477%
66	13.386	1918	1921	1924	rVB	405479	349475	6.82%	0.522%
67	13.557	1943	1950	1952	rBV5	208913	403131	7.86%	0.602%
68	13.574	1952	1953	1956	rVV	225619	188822	3.68%	0.282%
69	13.639	1960	1964	1967	rBV	227334	332072	6.48%	0.496%
70	13.668	1967	1969	1973	rVV2	279080	308505	6.02%	0.461%
71	13.774	1982	1987	1990	rVV2	333265	480234	9.37%	0.717%

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72	13.804	1990	1992	1994	rVV	532931	451489	8.81%	0.674%
73	13.833	1994	1997	2002	rVV3	389844	597402	11.65%	0.892%
74	13.945	2011	2016	2019	rBV	107131	162828	3.18%	0.243%
75	14.027	2023	2030	2033	rBV2	2053170	3343941	65.21%	4.992%
76	14.068	2033	2037	2042	rVV	1839627	2097351	40.90%	3.131%
77	14.139	2046	2049	2052	rVV	627105	556490	10.85%	0.831%
78	14.174	2053	2055	2060	rVV3	196313	298982	5.83%	0.446%
79	14.221	2060	2063	2065	rVB	207483	181907	3.55%	0.272%
80	14.257	2065	2069	2072	rBV2	253387	327616	6.39%	0.489%
81	14.374	2086	2089	2091	rBV2	241745	237627	4.63%	0.355%
82	14.415	2091	2096	2098	rVV	569045	635290	12.39%	0.948%
83	14.445	2098	2101	2104	rVB2	256043	249883	4.87%	0.373%
84	14.510	2110	2112	2115	rVB	228683	214547	4.18%	0.320%
85	14.539	2115	2117	2119	rVV	269429	257008	5.01%	0.384%
86	14.562	2119	2121	2124	rVB2	355008	290184	5.66%	0.433%
87	14.604	2124	2128	2134	rVB3	184854	307204	5.99%	0.459%
88	14.910	2177	2180	2183	rBV	152114	179928	3.51%	0.269%
89	15.086	2203	2210	2212	rBV	1124655	1941580	37.87%	2.898%
90	15.109	2212	2214	2219	rVV	818028	783195	15.27%	1.169%
91	15.186	2223	2227	2230	rVB	373218	379738	7.41%	0.567%
92	15.286	2238	2244	2246	rBV2	103789	209298	4.08%	0.312%
93	15.386	2256	2261	2267	rVB	629082	924310	18.03%	1.380%
94	15.457	2267	2273	2277	rBV	1120419	1468395	28.64%	2.192%
95	15.509	2278	2282	2284	rVV	222973	275303	5.37%	0.411%
96	15.545	2284	2288	2293	rVB2	344204	494918	9.65%	0.739%
97	17.003	2528	2536	2542	rVB	438217	922467	17.99%	1.377%
98	17.162	2557	2563	2568	rBV	115423	230214	4.49%	0.344%
99	17.456	2605	2613	2622	rVB	316545	711098	13.87%	1.061%
100	17.692	2646	2653	2664	rVB2	141073	372825	7.27%	0.557%

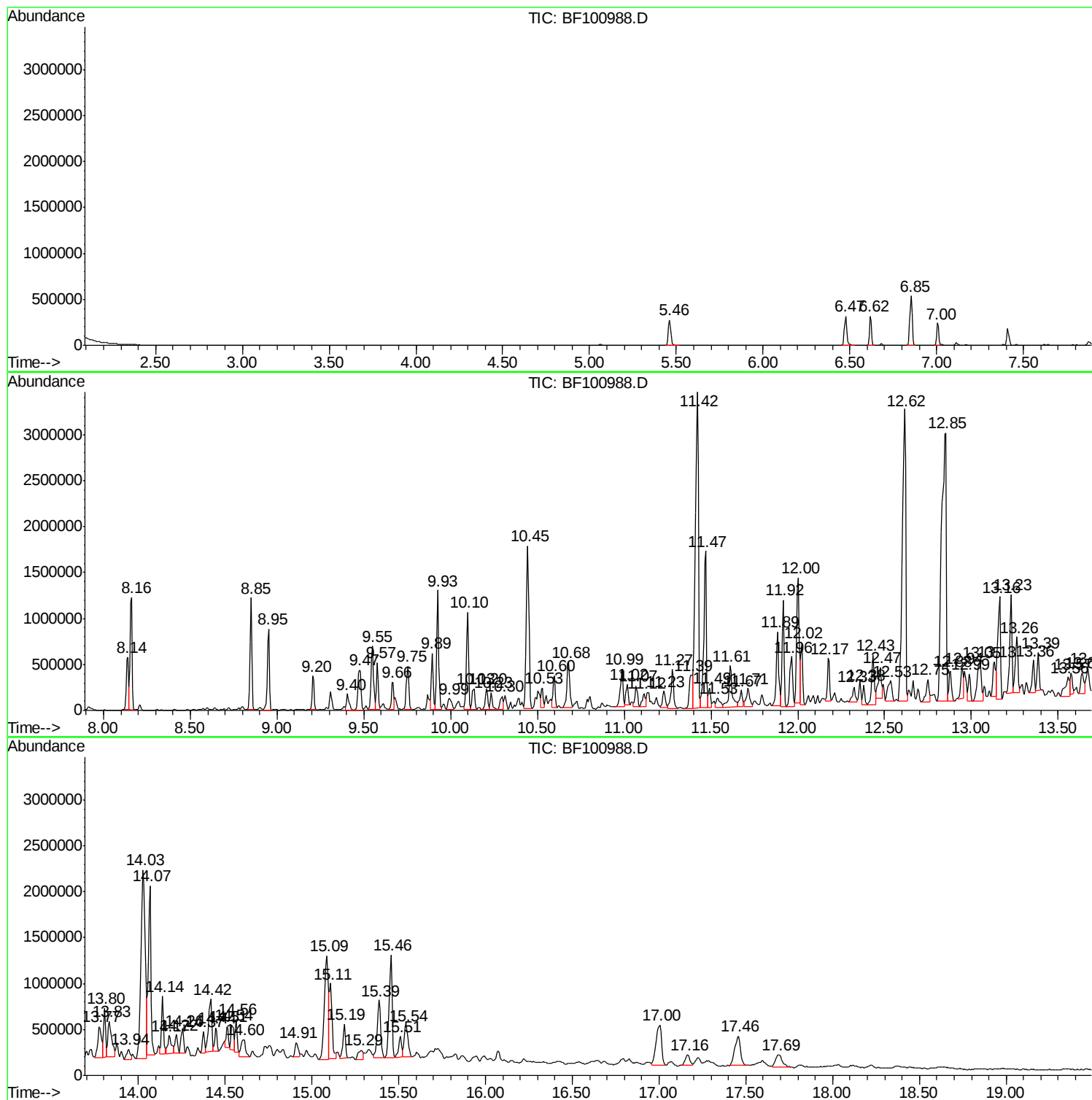
Sum of corrected areas: 66992168

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

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



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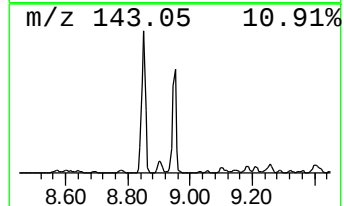
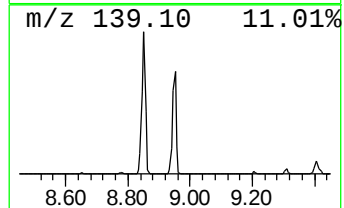
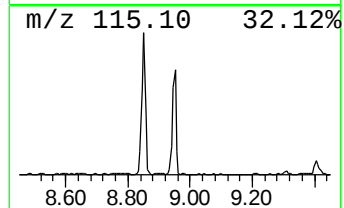
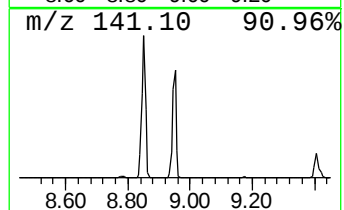
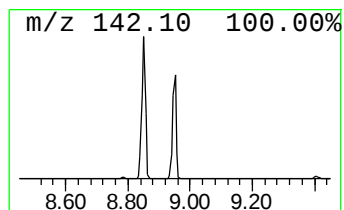
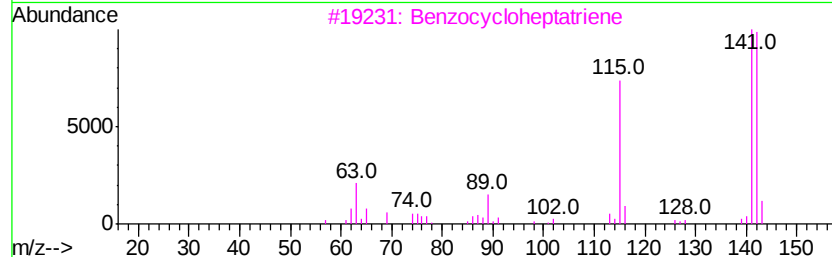
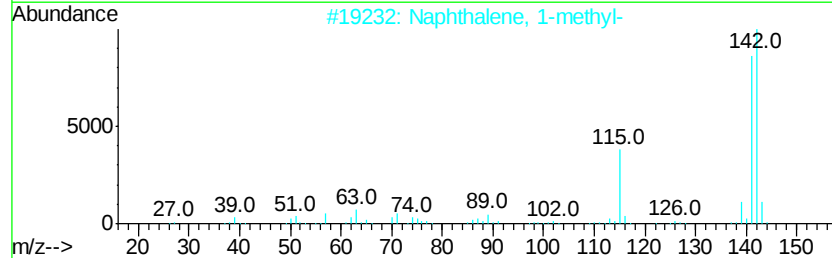
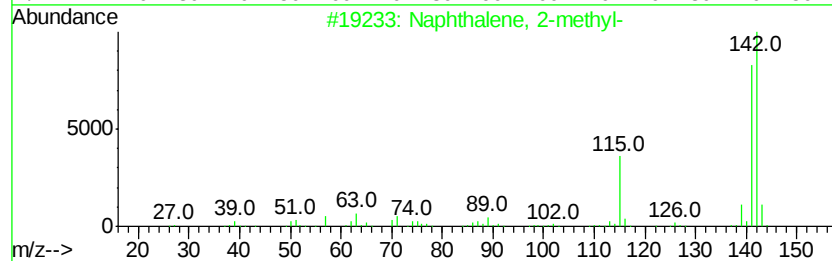
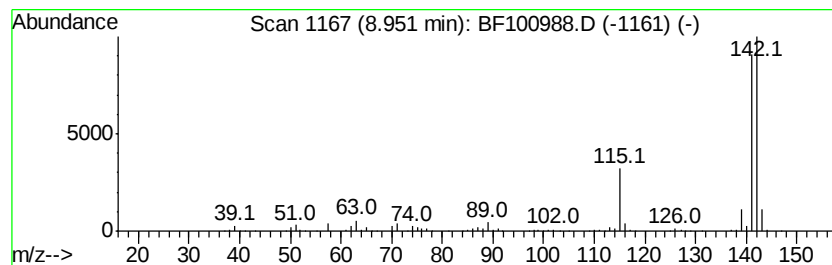
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	27.26 ng	770356	Naphthalene-d8	8.14

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	64



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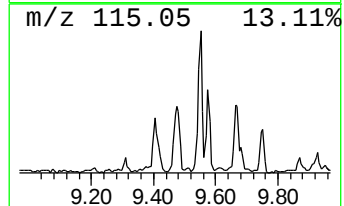
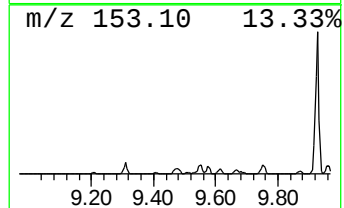
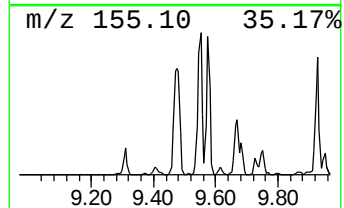
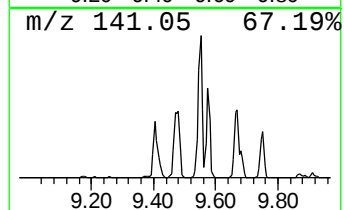
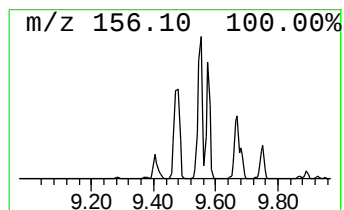
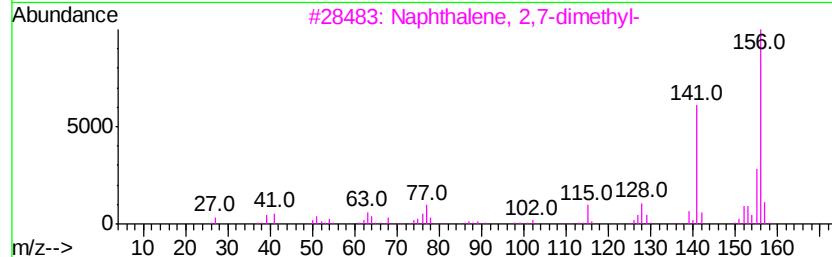
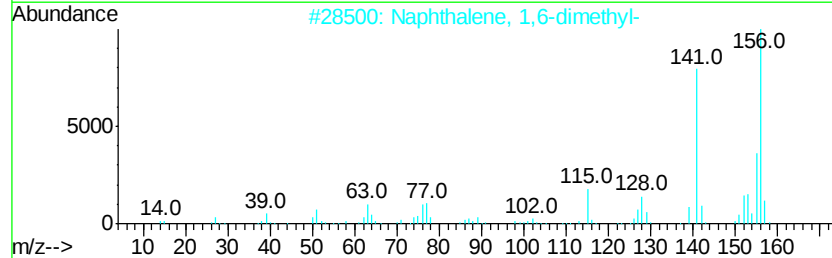
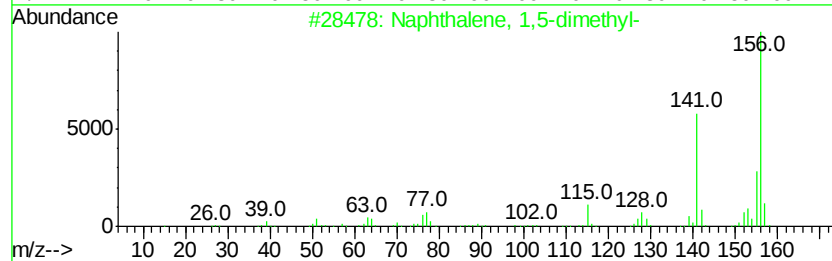
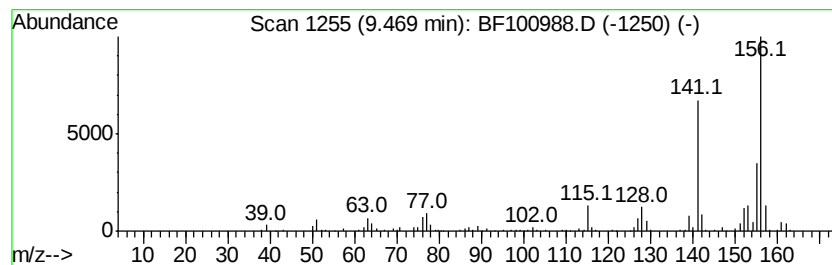
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	24.14 ng	596849	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



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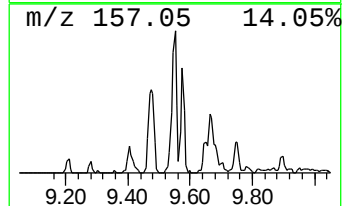
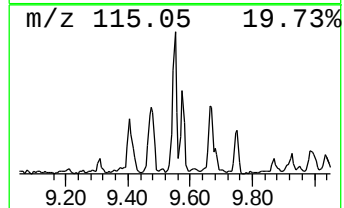
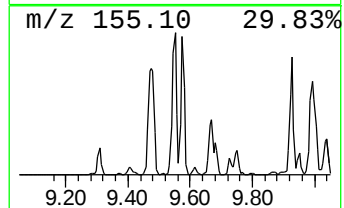
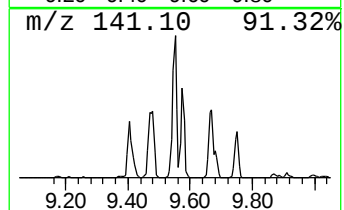
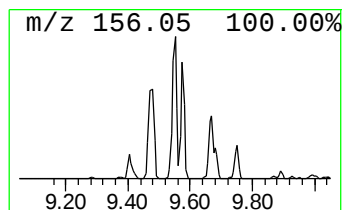
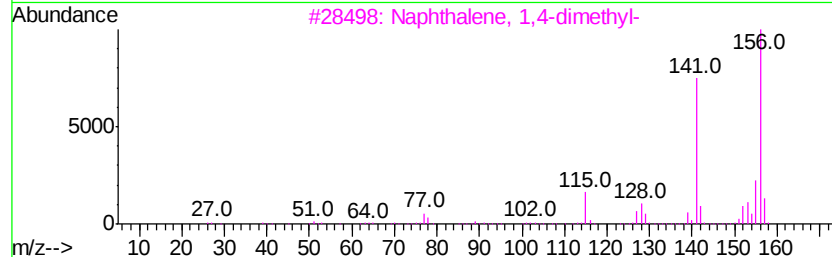
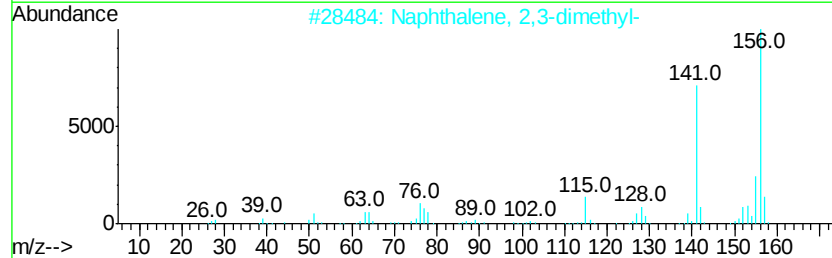
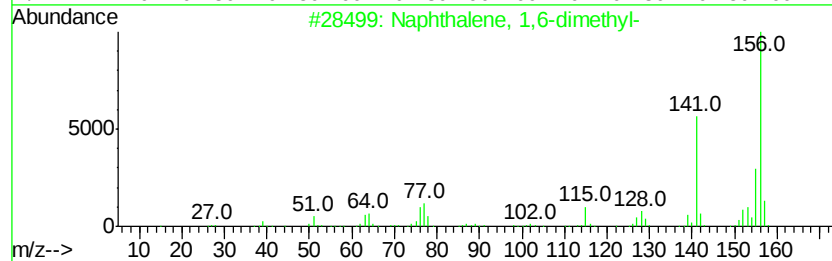
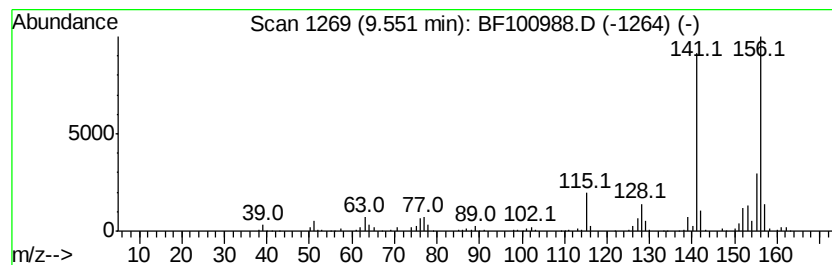
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	27.14 ng	671058	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100988.D
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Operator : SJ/JU
Sample : I6304-30 5X
Misc :
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Instrument :
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ClientSampleId :
CL-02-112817-E

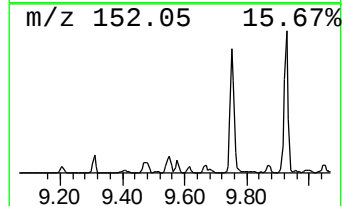
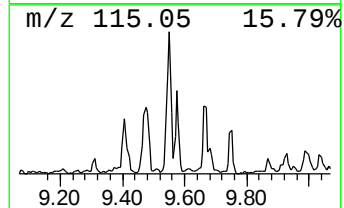
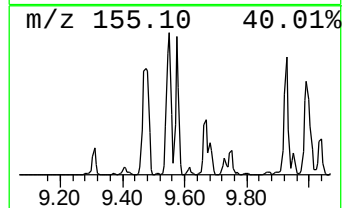
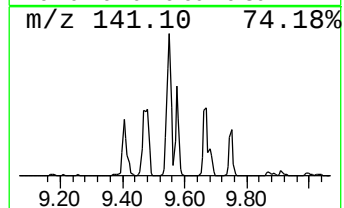
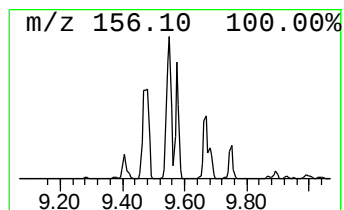
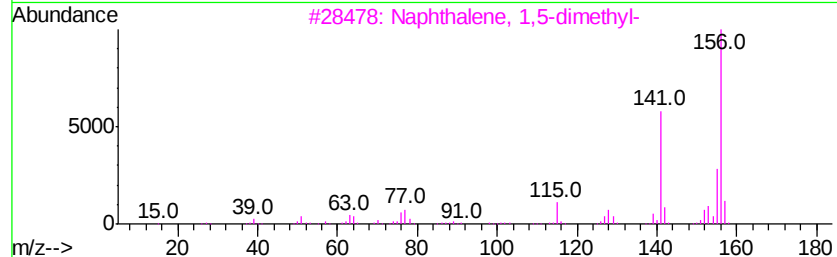
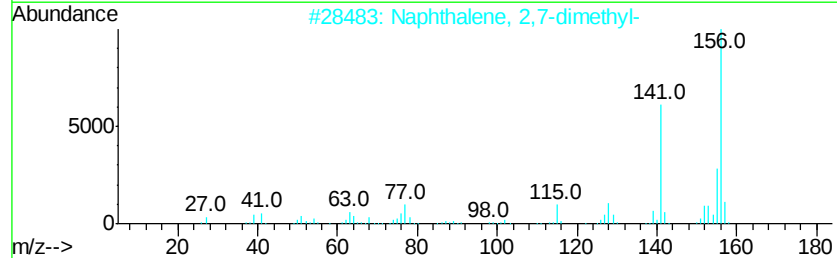
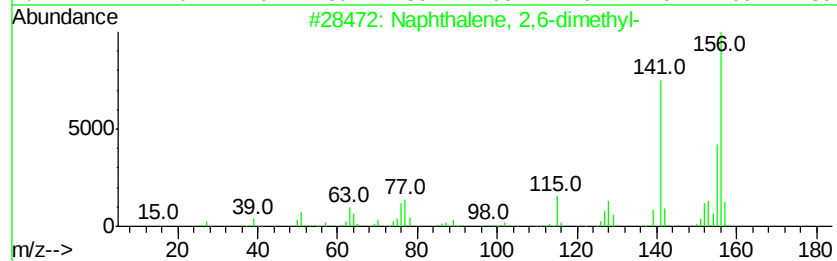
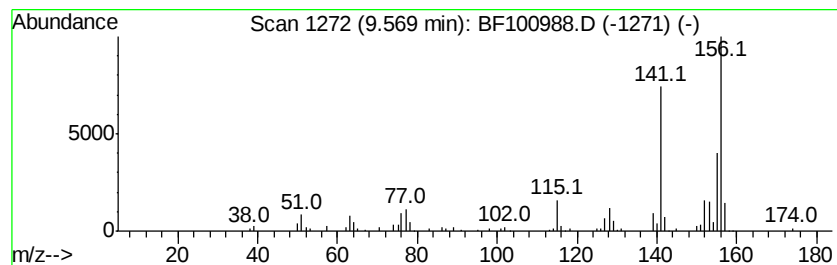
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	15.74 ng	389257	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100988.D
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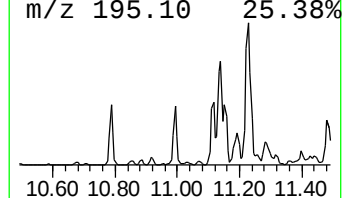
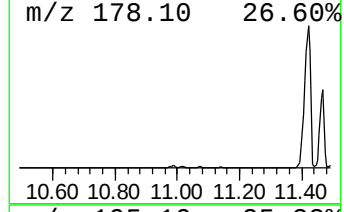
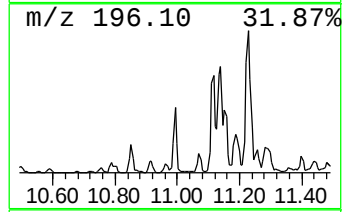
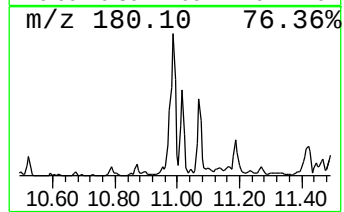
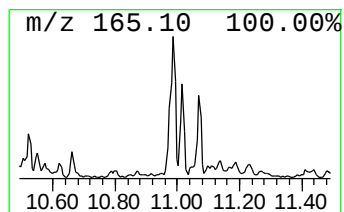
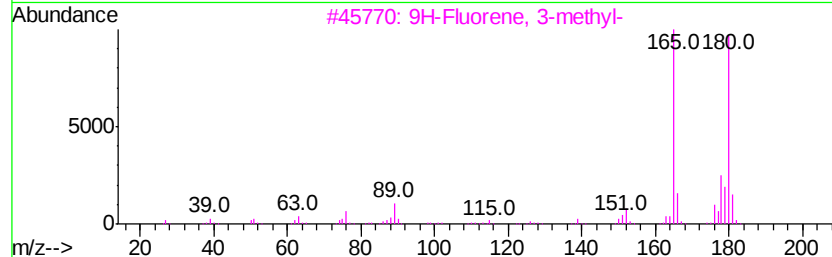
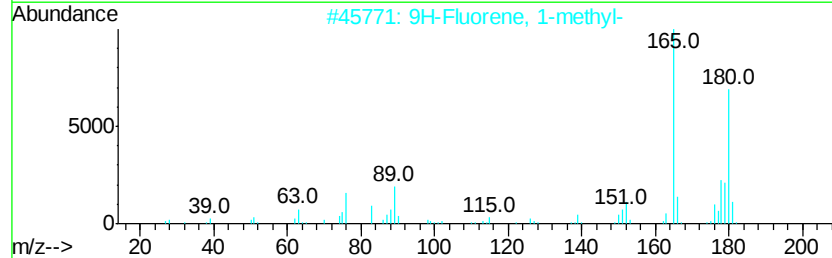
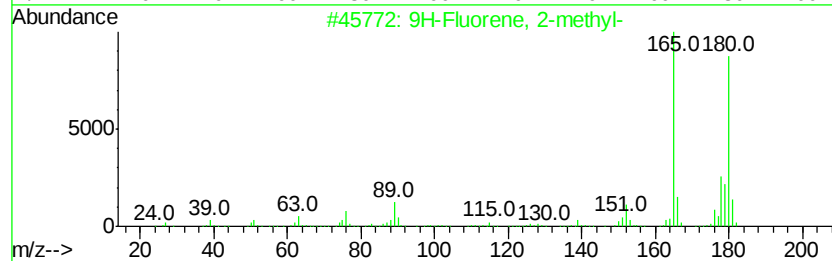
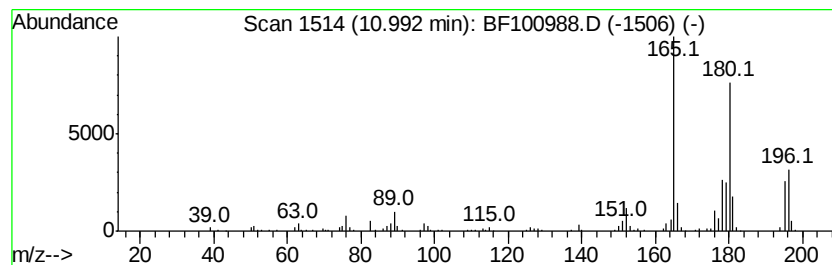
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	20.92 ng	477015	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100988.D
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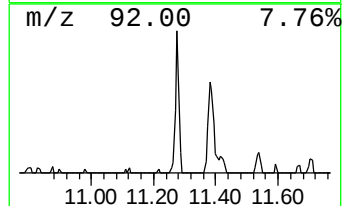
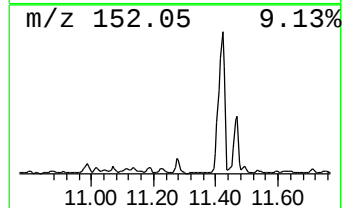
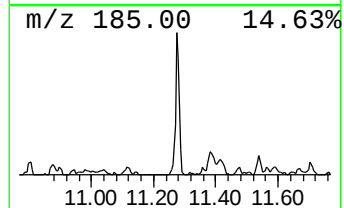
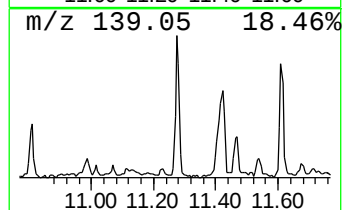
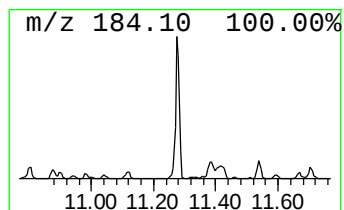
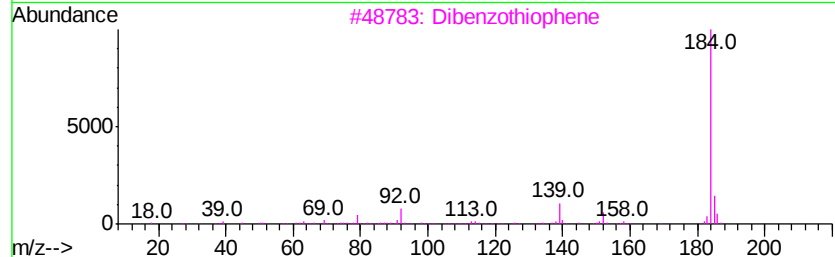
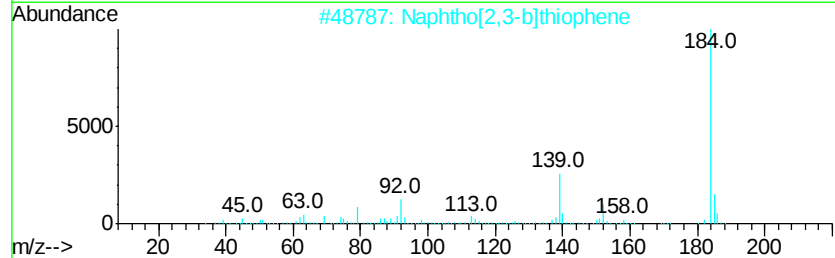
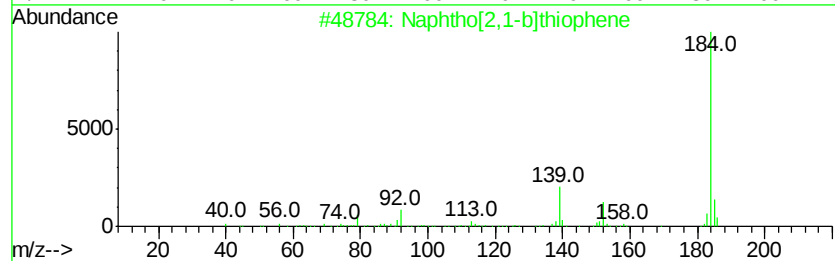
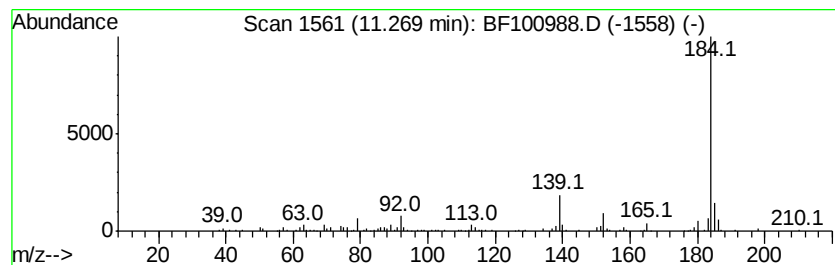
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	18.87 ng	430298	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3		Dibenzothiophene	184	C12H8S	000132-65-0	95
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100988.D
Acq On : 29 Nov 2017 19:51
Operator : SJ/JU
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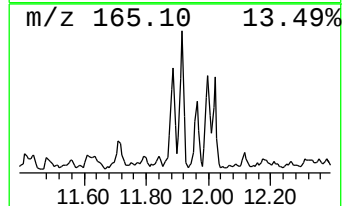
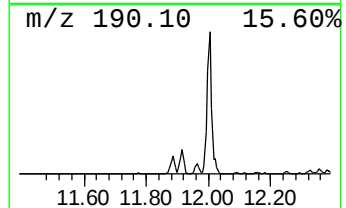
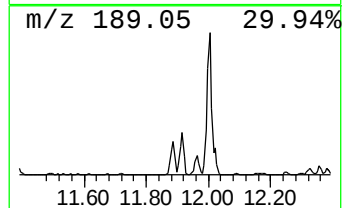
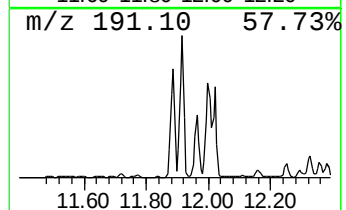
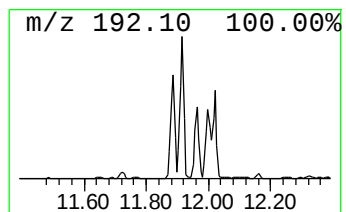
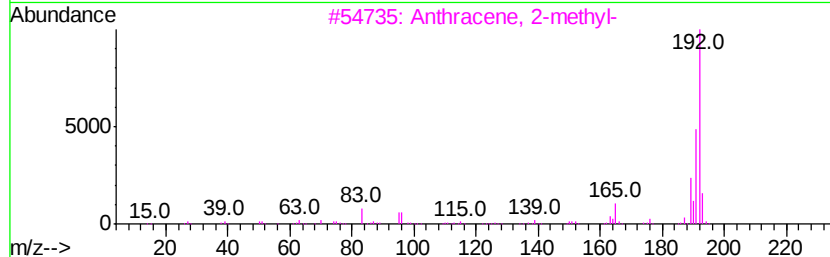
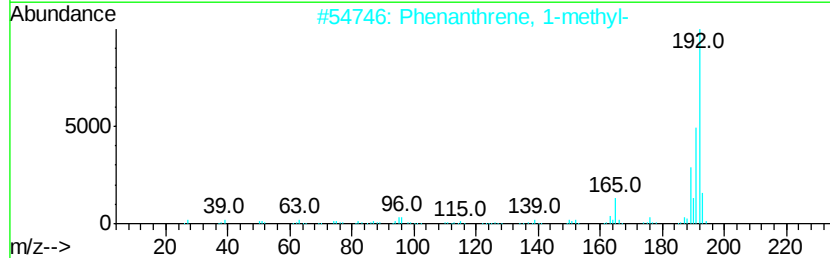
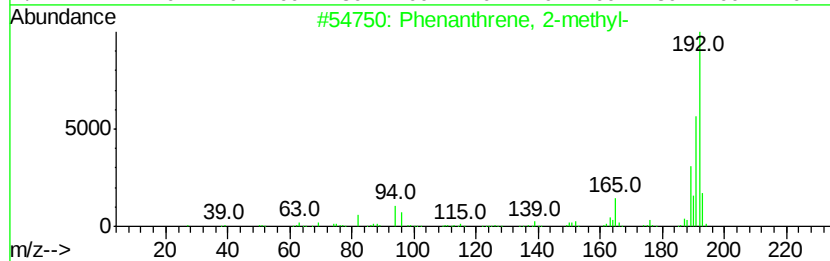
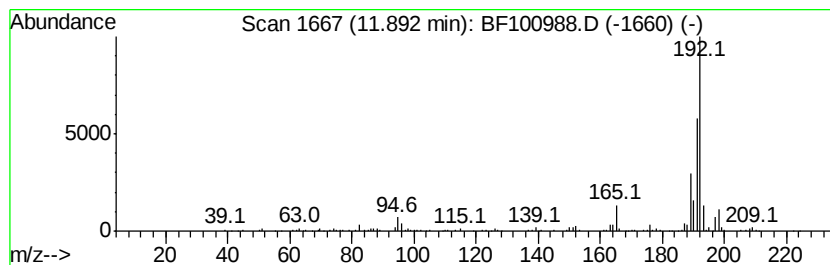
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	35.15 ng	801579	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100988.D
Acq On : 29 Nov 2017 19:51
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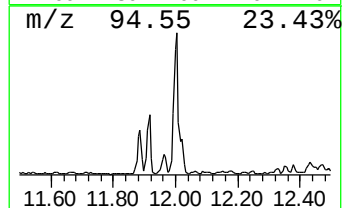
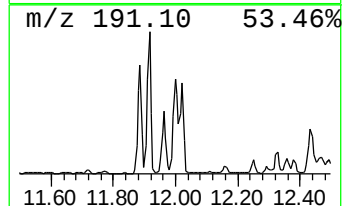
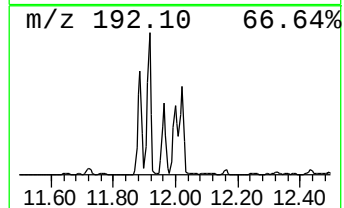
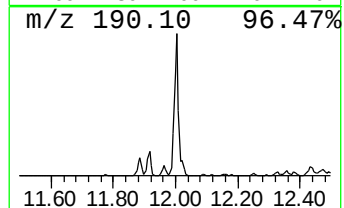
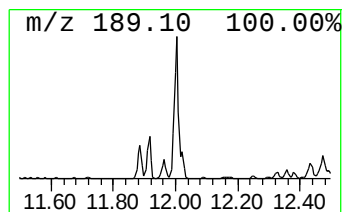
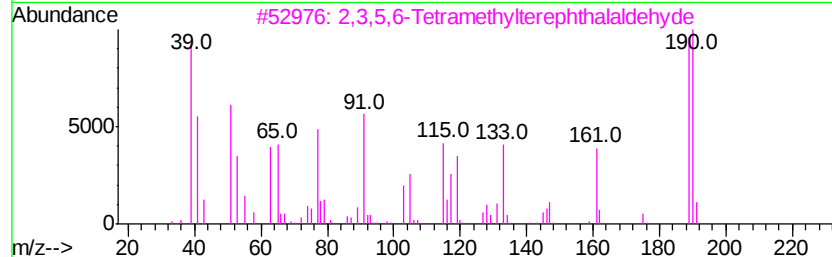
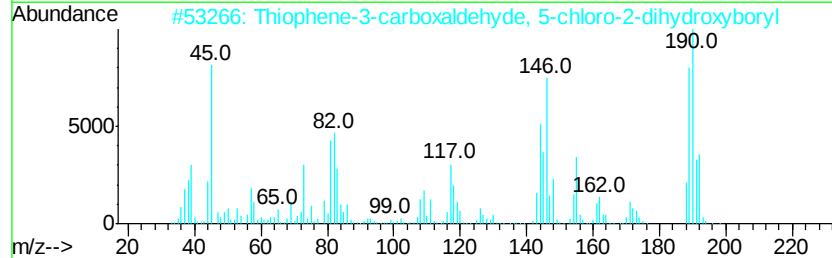
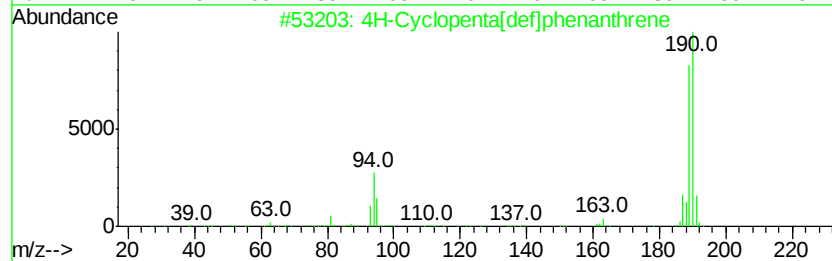
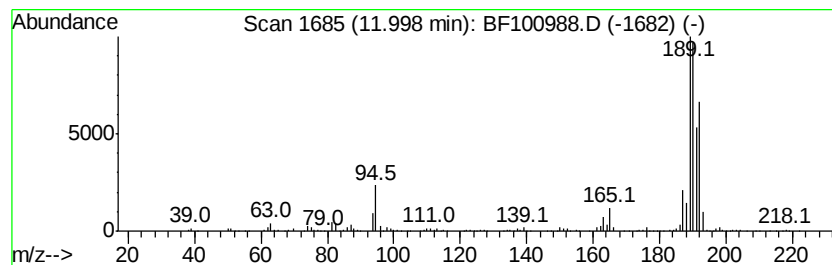
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	70.27 ng	1602380	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
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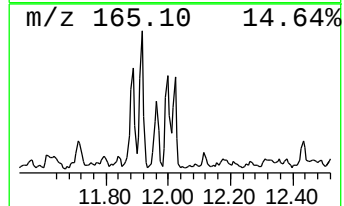
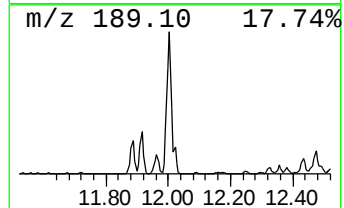
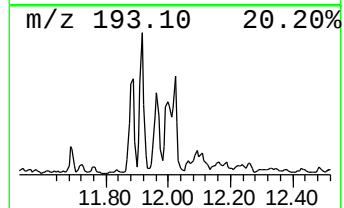
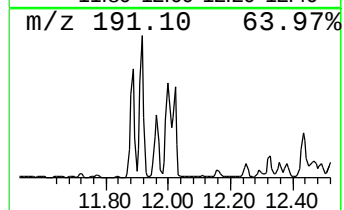
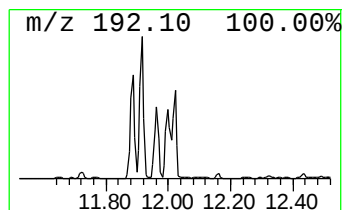
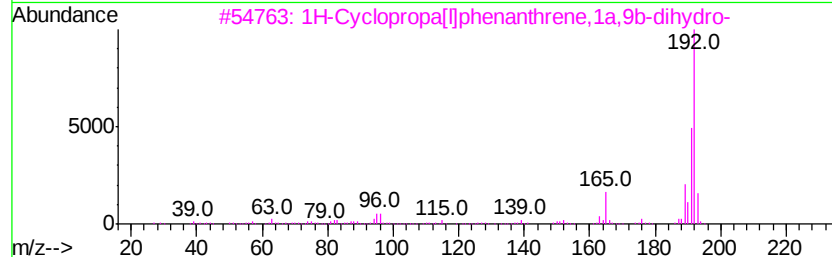
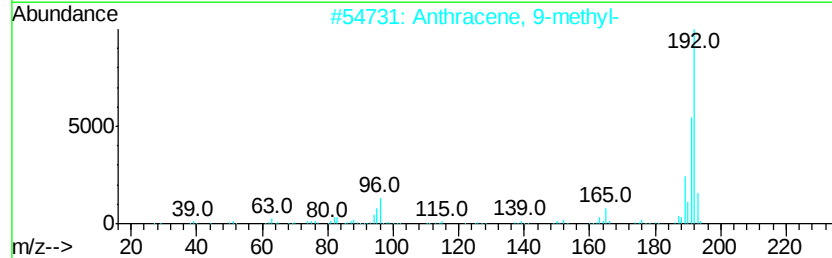
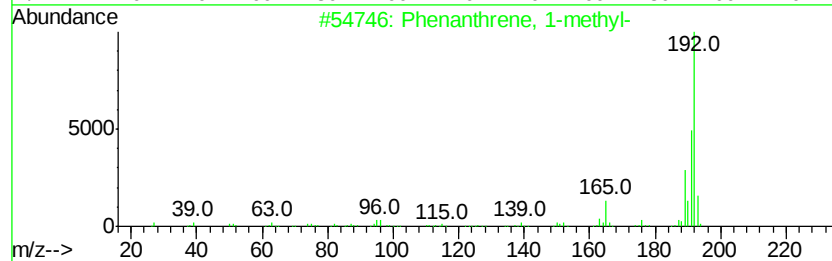
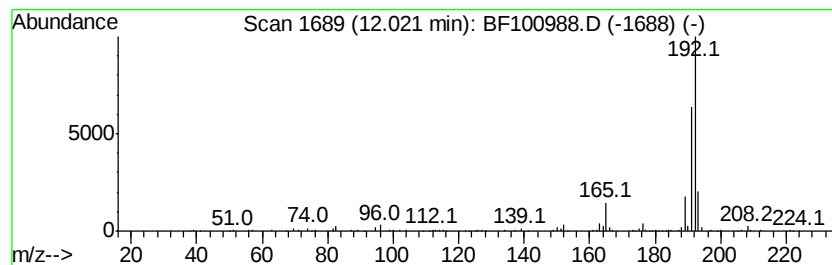
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	14.54 ng	331604	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
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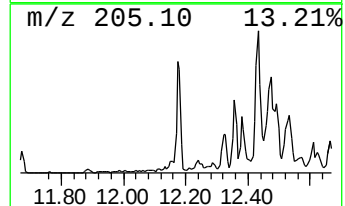
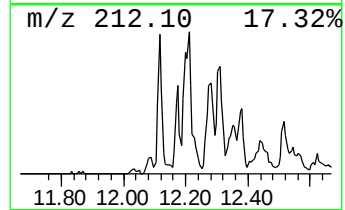
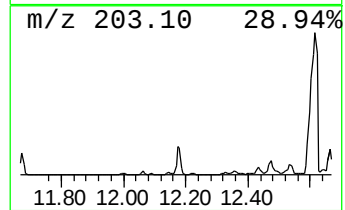
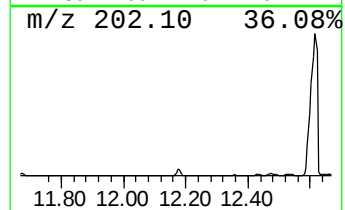
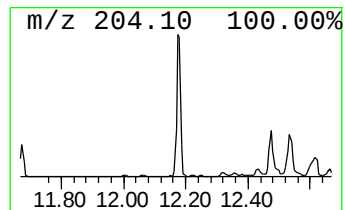
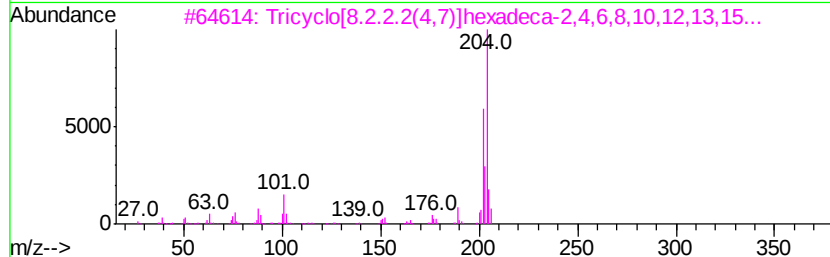
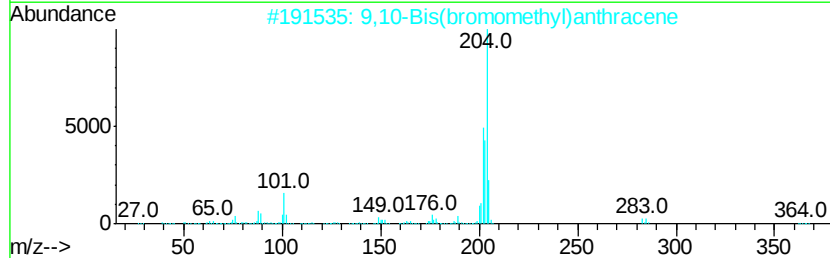
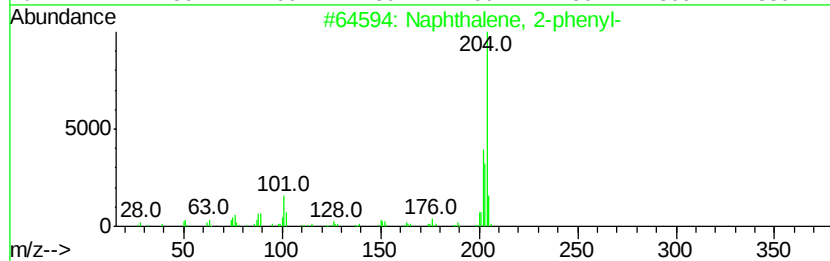
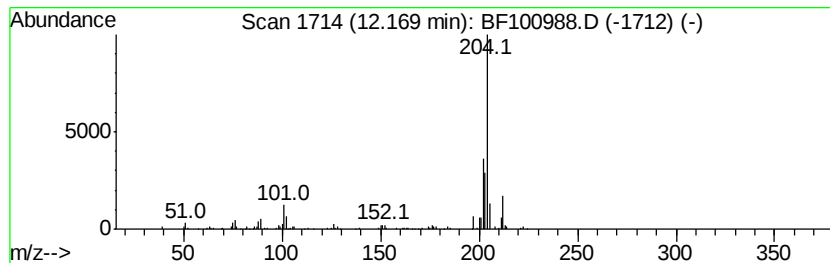
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	18.49 ng	421696	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100988.D
Acq On : 29 Nov 2017 19:51
Operator : SJ/JU
Sample : I6304-30 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-112817-E

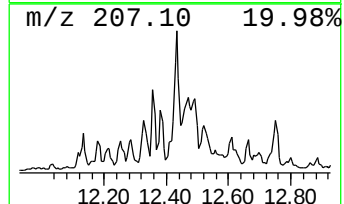
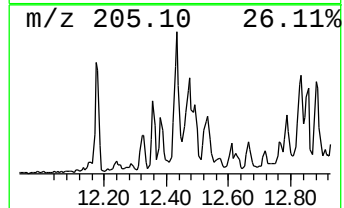
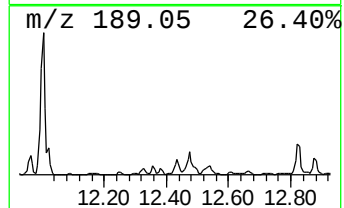
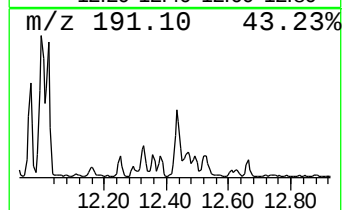
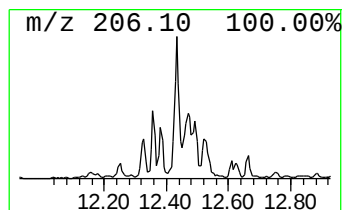
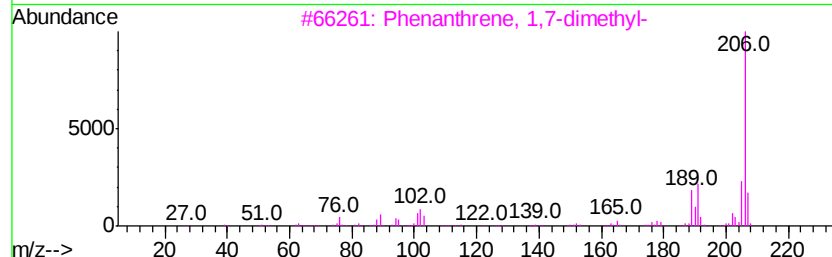
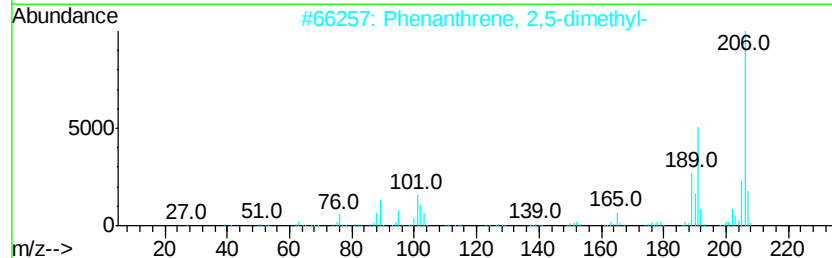
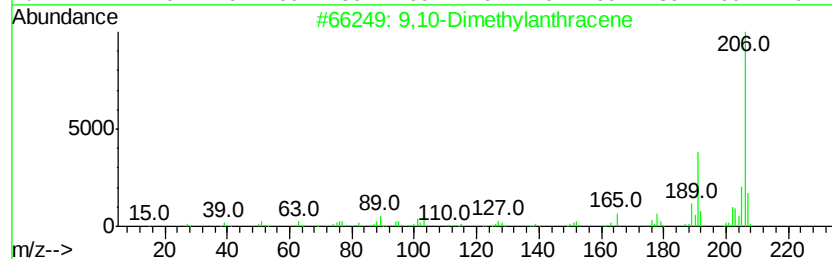
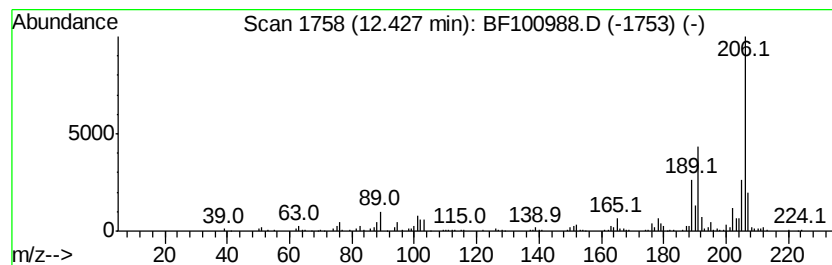
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Dimethylantracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	28.39 ng	647389	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
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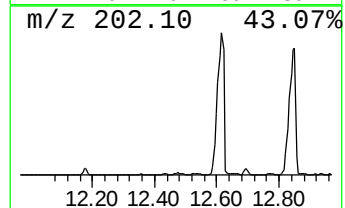
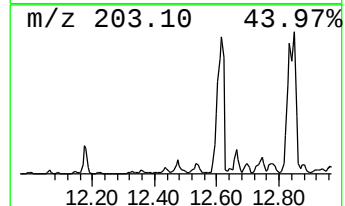
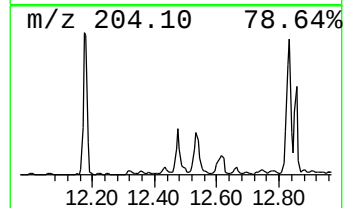
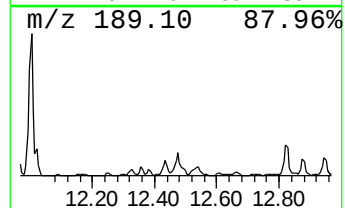
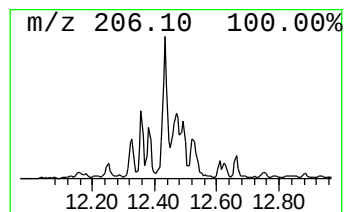
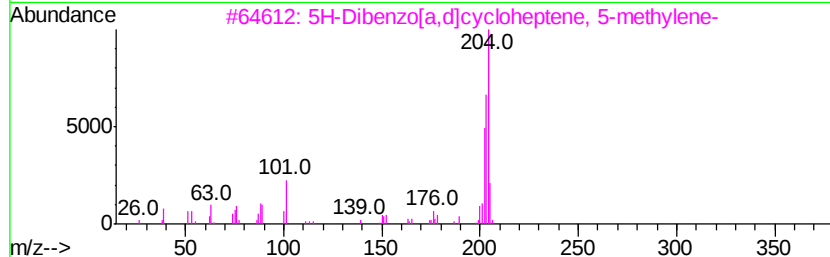
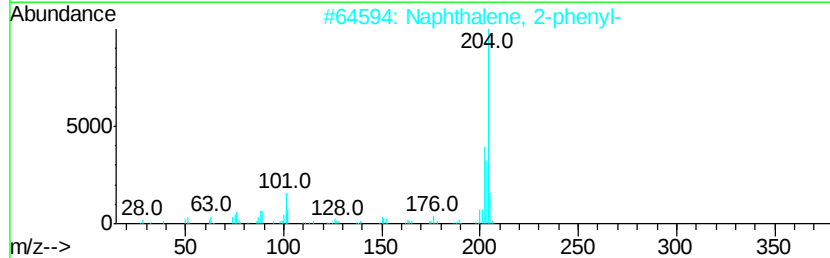
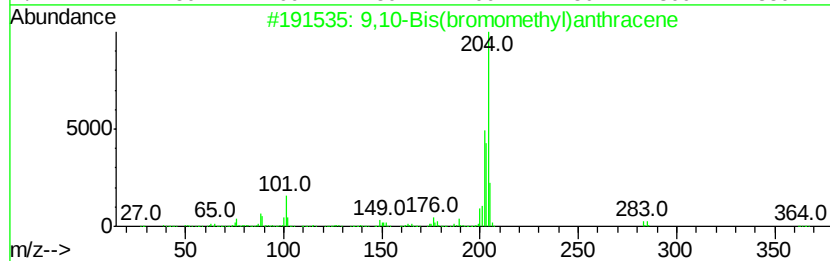
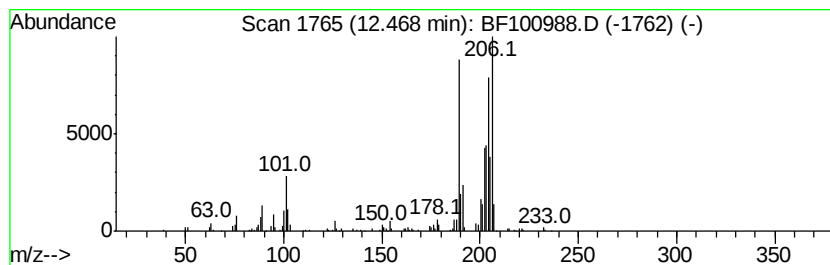
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown12.47 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	18.62 ng	424541	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
3		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	30
4		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30
5		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
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Acq On : 29 Nov 2017 19:51
Operator : SJ/JU
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Misc :
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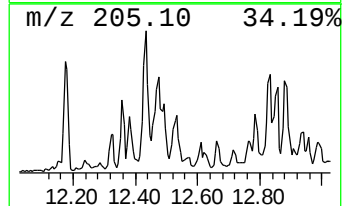
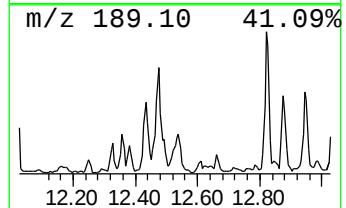
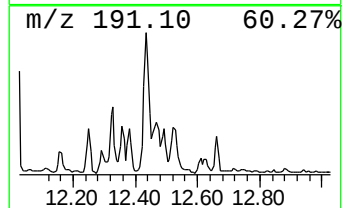
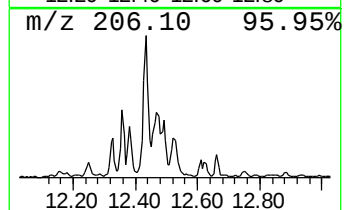
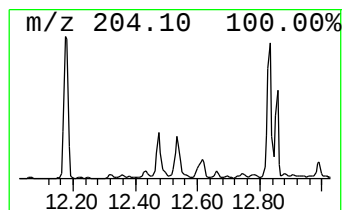
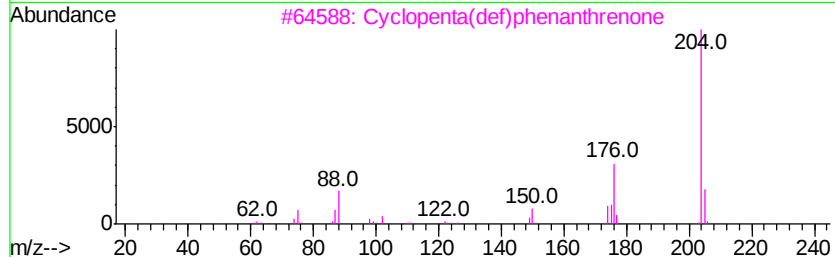
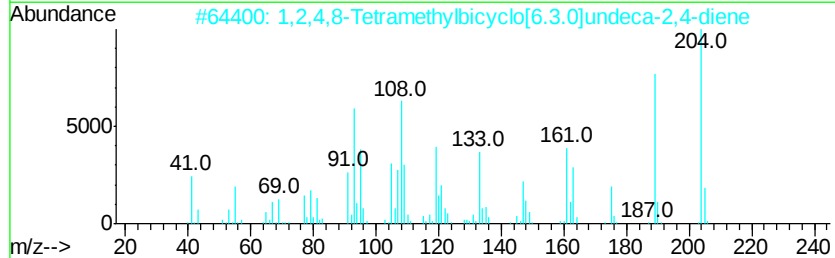
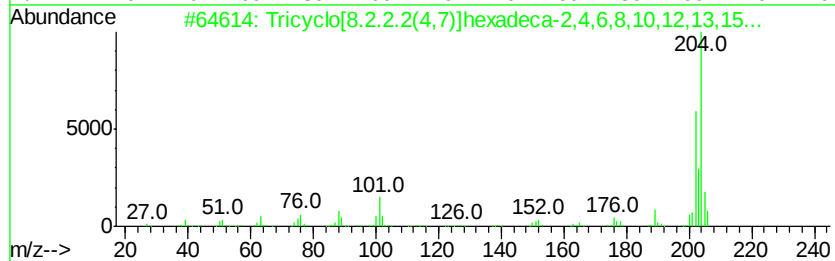
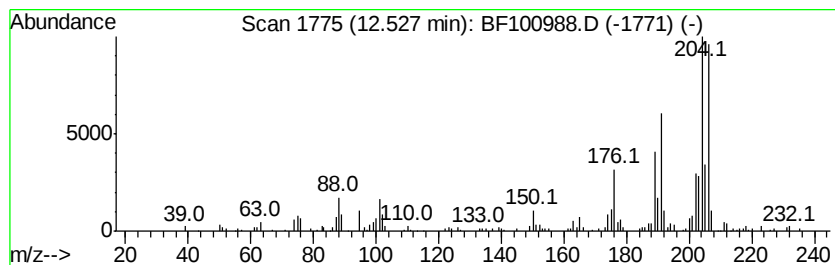
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	14.48 ng	330260	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	55
3		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
5		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100988.D
Acq On : 29 Nov 2017 19:51
Operator : SJ/JU
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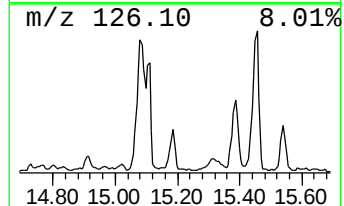
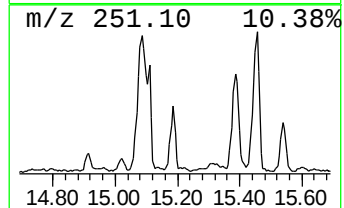
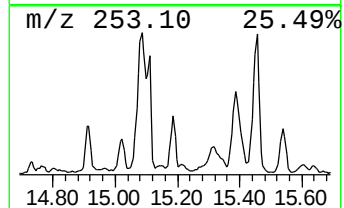
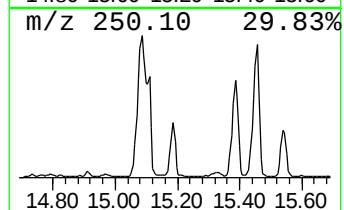
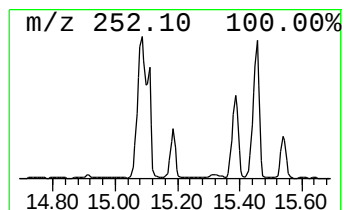
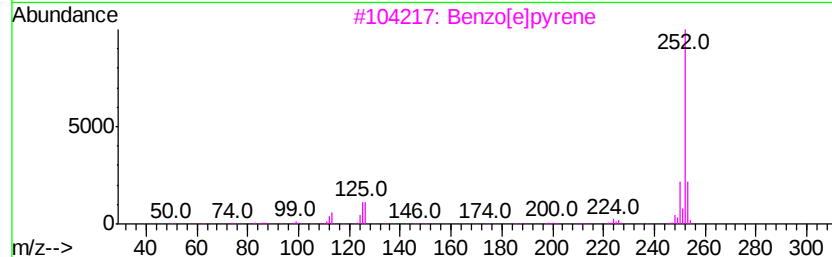
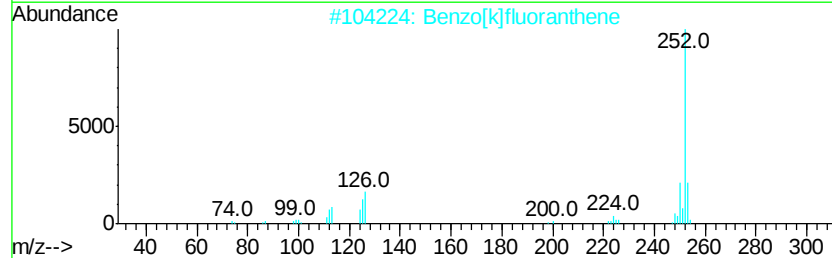
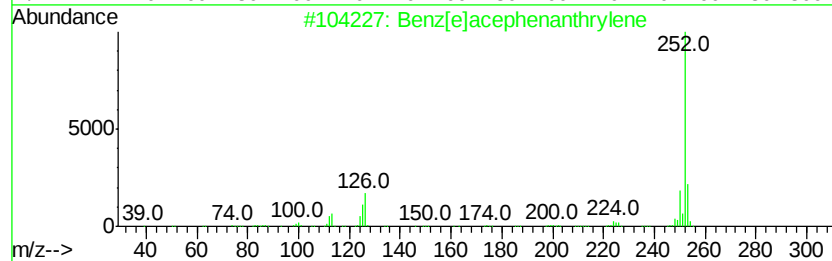
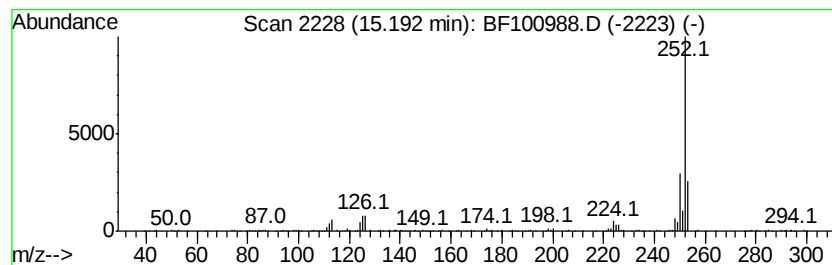
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Benz[e]acephenanthrylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	27.59 ng	379738	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3		Benzo[e]pyrene	252	C20H12	000192-97-2	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	90
5		Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100988.D
Acq On : 29 Nov 2017 19:51
Operator : SJ/JU
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ALS Vial : 17 Sample Multiplier: 1

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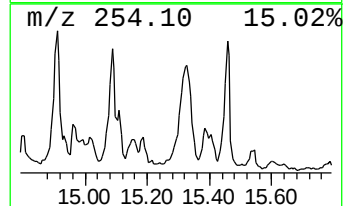
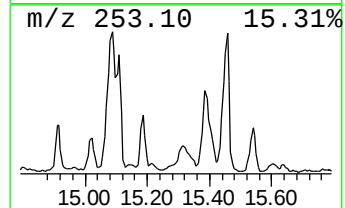
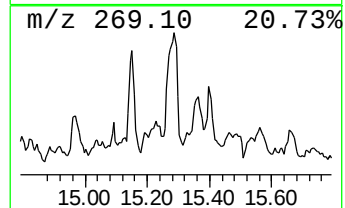
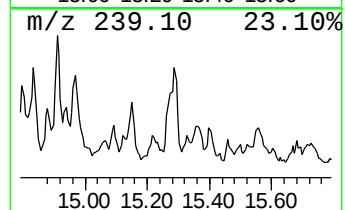
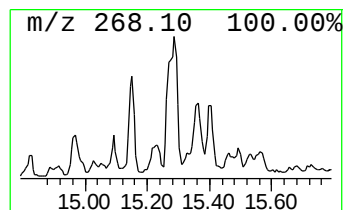
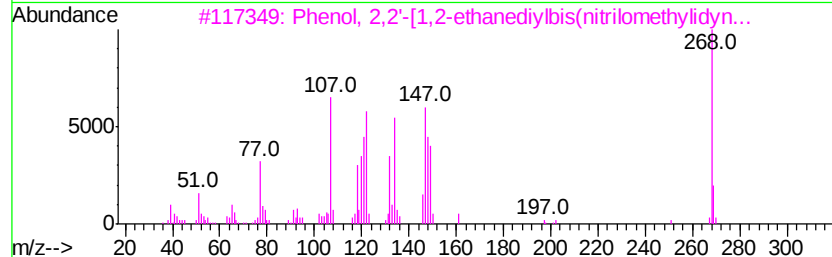
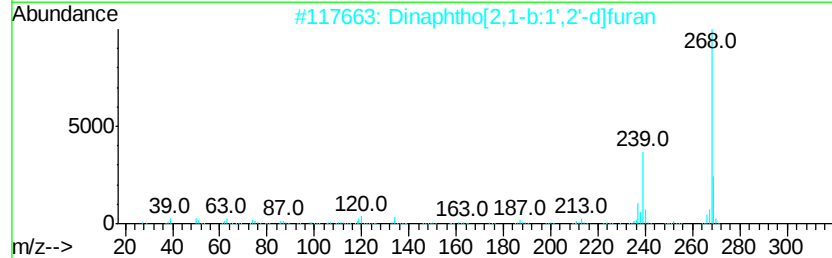
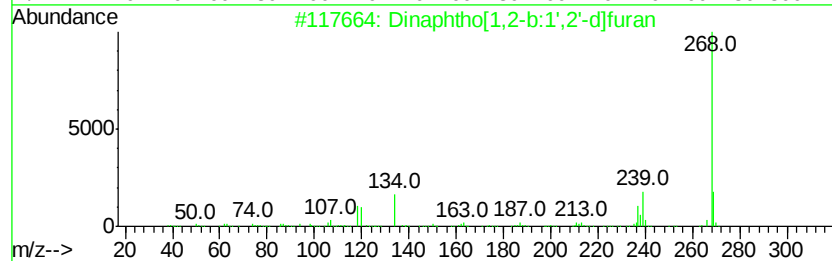
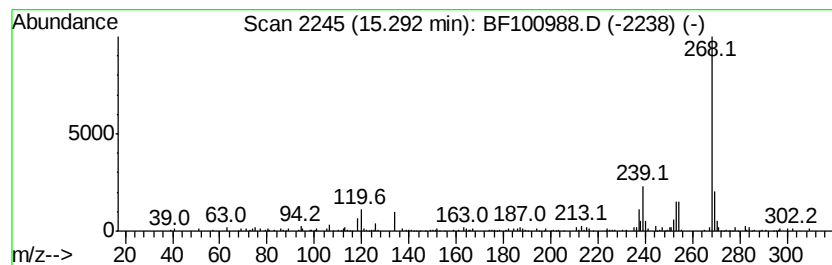
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	15.20 ng	209298	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	91
2		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
3		Phenol, 2,2'-[1,2-ethanedivlbis(...	268	C16H16N2O2	000094-93-9	64
4		Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	62
5		trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100988.D
Acq On : 29 Nov 2017 19:51
Operator : SJ/JU
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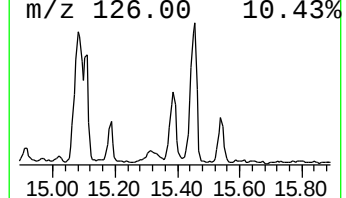
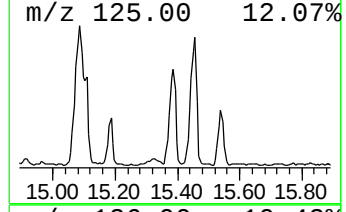
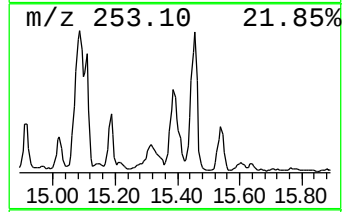
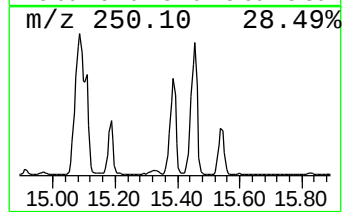
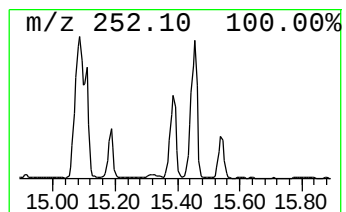
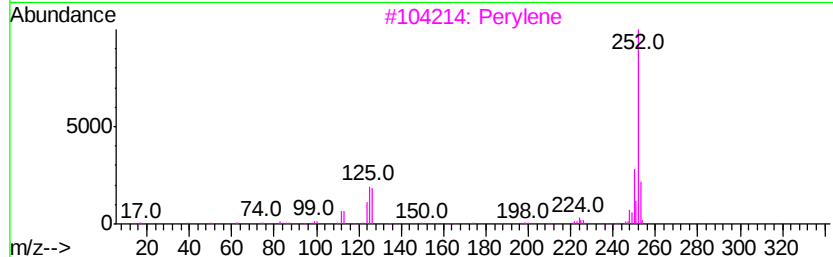
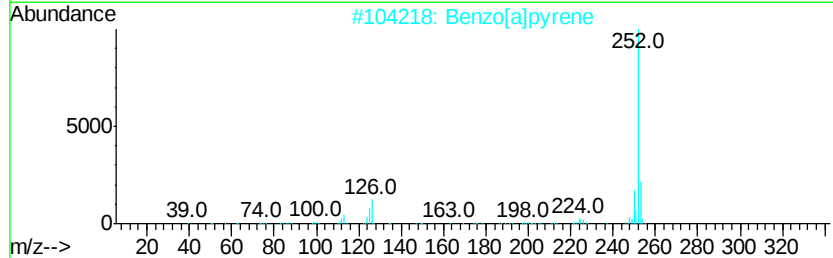
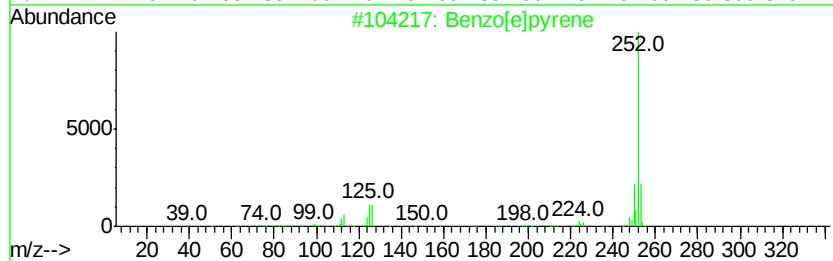
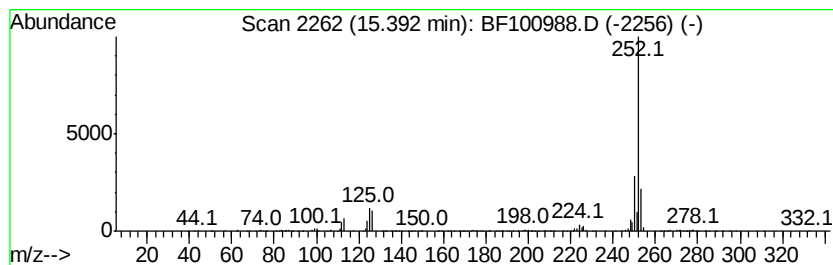
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TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	67.15 ng	924310	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[a]pyrene	252	C20H12	000050-32-8	96
3		Perylene	252	C20H12	000198-55-0	95
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



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CL-02-112817-E

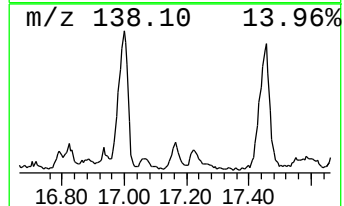
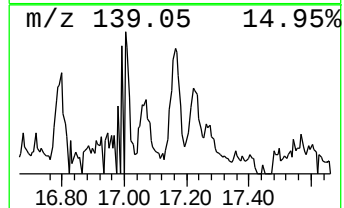
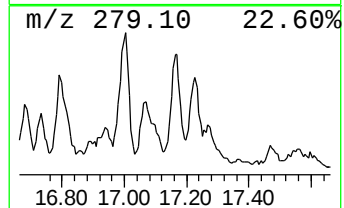
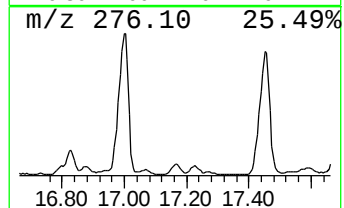
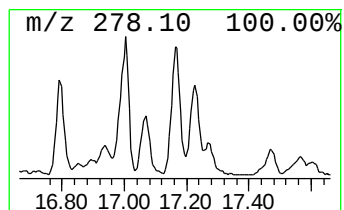
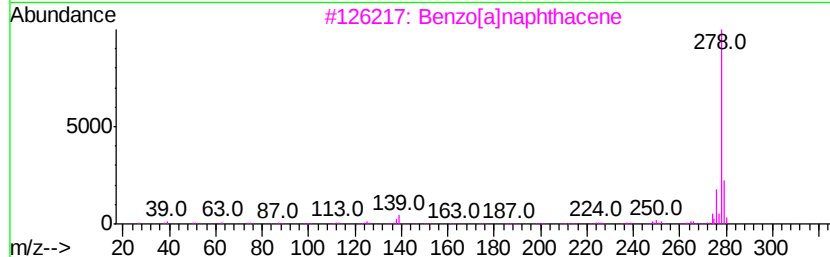
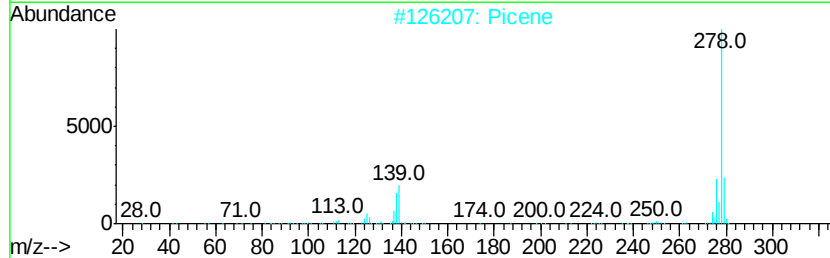
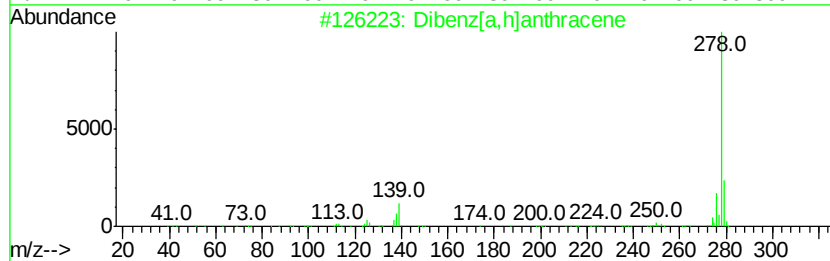
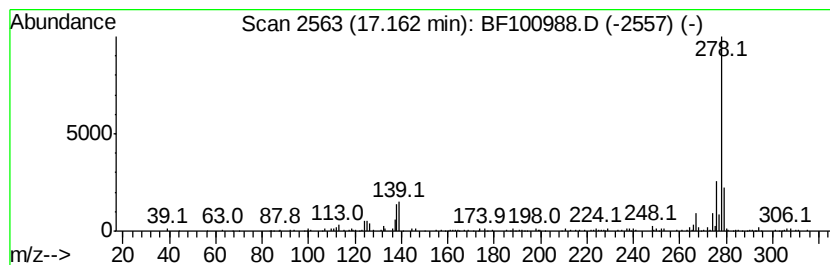
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dibenz[a,h]anthracene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	16.72 ng	230214	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
2		Picene	278	C22H14	000213-46-7	93
3		Benzo[a]naphthacene	278	C22H14	000226-88-0	90
4		Pentacene	278	C22H14	000135-48-8	86
5		Benzo[b]triphenylene	278	C22H14	000215-58-7	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
 Data File : BF100988.D
 Acq On : 29 Nov 2017 19:51
 Operator : SJ/JU
 Sample : I6304-30 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-112817-E

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Naphthalene, 1-me...	8.95	27.3	ng	770356	2	8.14	565273	20.0
Naphthalene, 1,5-...	9.47	24.1	ng	596849	3	9.89	494564	20.0
Naphthalene, 1,6-...	9.55	27.1	ng	671058	3	9.89	494564	20.0
Naphthalene, 2,6-...	9.57	15.7	ng	389257	3	9.89	494564	20.0
9H-Fluorene, 2-me...	10.99	20.9	ng	477015	4	11.39	456041	20.0
Naphtho[2,1-b]thi...	11.27	18.9	ng	430298	4	11.39	456041	20.0
Phenanthrene, 2-m...	11.89	35.1	ng	801579	4	11.39	456041	20.0
4H-Cyclopenta[def...	12.00	70.3	ng	1602380	4	11.39	456041	20.0
Phenanthrene, 1-m...	12.02	14.5	ng	331604	4	11.39	456041	20.0
Naphthalene, 2-ph...	12.17	18.5	ng	421696	4	11.39	456041	20.0
9,10-Dimethylanthe...	12.43	28.4	ng	647389	4	11.39	456041	20.0
unknown12.47	12.47	18.6	ng	424541	4	11.39	456041	20.0
Tricyclo[8.2.2.2](...	12.53	14.5	ng	330260	4	11.39	456041	20.0
Benz[e]acephenant...	15.19	27.6	ng	379738	6	15.51	275303	20.0
Dinaphtho[1,2-b:1...	15.29	15.2	ng	209298	6	15.51	275303	20.0
Benzo[e]pyrene	15.39	67.2	ng	924310	6	15.51	275303	20.0
Dibenz[a,h]anthra...	17.16	16.7	ng	230214	6	15.51	275303	20.0