

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
 Data File : BF099931.D
 Acq On : 28 Oct 2017 21:42
 Operator : SJ/JU
 Sample : I6169-01 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-102617

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-BF102317.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	6.445	739	741	756	rBV	64491	107492	3.01%	0.227%
2	6.569	759	762	766	rBV	113490	122747	3.44%	0.259%
3	6.786	796	799	805	rBV	587357	521322	14.60%	1.099%
4	6.939	823	825	827	rBV	107224	107292	3.01%	0.226%
5	6.963	827	829	838	rVB	156333	135952	3.81%	0.287%
6	8.069	1014	1017	1019	rBV	866390	762378	21.36%	1.607%
7	8.092	1019	1021	1028	rVV	1051071	845233	23.68%	1.782%
8	8.780	1135	1138	1145	rBV	716340	583632	16.35%	1.230%
9	8.880	1150	1155	1161	rVB	514590	420998	11.79%	0.887%
10	9.139	1196	1199	1203	rVB	214322	156561	4.39%	0.330%
11	9.245	1214	1217	1222	rBV	132630	112356	3.15%	0.237%
12	9.339	1230	1233	1239	rVB	104782	109038	3.05%	0.230%
13	9.410	1240	1245	1249	rVV	206516	271441	7.60%	0.572%
14	9.480	1253	1257	1260	rVV	320903	331439	9.28%	0.699%
15	9.510	1260	1262	1266	rVV	205138	190145	5.33%	0.401%
16	9.598	1273	1277	1284	rVV	158422	174928	4.90%	0.369%
17	9.686	1289	1292	1296	rVB2	202801	180368	5.05%	0.380%
18	9.822	1313	1315	1318	rVV	777579	641859	17.98%	1.353%
19	9.857	1318	1321	1324	rVV	1160131	943334	26.43%	1.989%
20	9.922	1328	1332	1337	rVV2	66126	103034	2.89%	0.217%
21	10.027	1346	1350	1354	rVV	638886	597373	16.73%	1.259%
22	10.063	1354	1356	1360	rVB	117094	103405	2.90%	0.218%
23	10.139	1365	1369	1372	rBV	101201	105227	2.95%	0.222%
24	10.374	1405	1409	1414	rVV	1247271	1090413	30.55%	2.299%
25	10.439	1414	1420	1421	rVV	119847	166665	4.67%	0.351%
26	10.457	1421	1423	1425	rVV	180825	153130	4.29%	0.323%
27	10.527	1433	1435	1439	rVB	199700	165586	4.64%	0.349%
28	10.610	1444	1449	1454	rVV	219401	296530	8.31%	0.625%
29	10.921	1495	1502	1505	rBV	223387	261407	7.32%	0.551%
30	11.163	1540	1543	1546	rVV2	103900	118982	3.33%	0.251%
31	11.210	1549	1551	1558	rVB	306438	257389	7.21%	0.543%
32	11.316	1565	1569	1571	rBV	556839	584273	16.37%	1.232%
33	11.345	1571	1574	1577	rVV	2993148	3235228	90.63%	6.820%
34	11.392	1577	1582	1586	rVV	1370823	1275115	35.72%	2.688%

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35	11.433	1587	1589	1593	rVV	81727	103297	2.89%	0.218%
36	11.551	1605	1609	1613	rVV	388616	418831	11.73%	0.883%
37	11.645	1623	1625	1630	rVV3	81138	112320	3.15%	0.237%
38	11.816	1651	1654	1657	rBV	565651	476210	13.34%	1.004%
39	11.845	1657	1659	1663	rVB	662227	556342	15.58%	1.173%
40	11.892	1664	1667	1670	rBV	287772	256907	7.20%	0.542%
41	11.933	1670	1674	1676	rVV	827167	920065	25.77%	1.939%
42	11.951	1676	1677	1682	rVB	360673	224986	6.30%	0.474%
43	12.110	1701	1704	1708	rVV	325037	266087	7.45%	0.561%
44	12.257	1724	1729	1732	rBV2	108984	104303	2.92%	0.220%
45	12.368	1743	1748	1751	rBV2	275573	434867	12.18%	0.917%
46	12.398	1751	1753	1756	rVV2	221575	282217	7.91%	0.595%
47	12.468	1763	1765	1772	rVB2	119820	159904	4.48%	0.337%
48	12.539	1772	1777	1780	rBV	2834897	3314332	92.84%	6.986%
49	12.686	1798	1802	1804	rBV	192569	182379	5.11%	0.384%
50	12.774	1809	1817	1821	rBV2	2589989	3569827	100.00%	7.525%
51	12.810	1821	1823	1828	rVB2	195218	187906	5.26%	0.396%
52	12.886	1831	1836	1840	rBV2	257169	318497	8.92%	0.671%
53	12.933	1840	1844	1847	rVB	132238	147892	4.14%	0.312%
54	12.974	1847	1851	1856	rBV2	251827	426820	11.96%	0.900%
55	13.021	1856	1859	1863	rBV	92919	105429	2.95%	0.222%
56	13.068	1863	1867	1868	rBV3	189134	218093	6.11%	0.460%
57	13.092	1868	1871	1876	rVB	761935	748061	20.96%	1.577%
58	13.157	1879	1882	1885	rBV	736366	615644	17.25%	1.298%
59	13.198	1885	1889	1895	rVB3	359668	520066	14.57%	1.096%
60	13.286	1901	1904	1907	rBV	184202	171490	4.80%	0.361%
61	13.321	1907	1910	1913	rBV	208760	196420	5.50%	0.414%
62	13.398	1919	1923	1928	rBV5	48581	101594	2.85%	0.214%
63	13.574	1949	1953	1956	rBV	110107	156915	4.40%	0.331%
64	13.610	1956	1959	1962	rVB2	120498	122585	3.43%	0.258%
65	13.715	1972	1977	1979	rBV	311240	360465	10.10%	0.760%
66	13.733	1979	1980	1983	rVB	297523	235417	6.59%	0.496%
67	13.768	1983	1986	1987	rBV	250459	221388	6.20%	0.467%
68	13.827	1993	1996	2001	rVB2	146357	168654	4.72%	0.356%
69	13.886	2001	2006	2010	rBV	113199	177149	4.96%	0.373%
70	13.962	2011	2019	2023	rVV3	1717535	2971091	83.23%	6.263%
71	13.998	2023	2025	2028	rVV	1616043	1339450	37.52%	2.823%

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72	14.074	2035	2038	2041	rVV	473478	387108	10.84%	0.816%
73	14.127	2044	2047	2051	rVV3	150906	183404	5.14%	0.387%
74	14.168	2051	2054	2055	rVV	148902	135185	3.79%	0.285%
75	14.198	2055	2059	2062	rVB2	177210	241065	6.75%	0.508%
76	14.315	2076	2079	2080	rBV	128162	106632	2.99%	0.225%
77	14.351	2080	2085	2088	rVV2	394443	543161	15.22%	1.145%
78	14.386	2088	2091	2095	rVV2	190149	207526	5.81%	0.437%
79	14.427	2095	2098	2100	rVV2	134447	141133	3.95%	0.298%
80	14.457	2100	2103	2105	rVV2	214918	226309	6.34%	0.477%
81	14.480	2105	2107	2108	rVV	249991	209453	5.87%	0.442%
82	14.498	2108	2110	2113	rVV2	276663	280971	7.87%	0.592%
83	14.545	2113	2118	2121	rVB3	117923	196485	5.50%	0.414%
84	14.674	2137	2140	2142	rBV3	96278	128303	3.59%	0.270%
85	14.851	2166	2170	2175	rBV2	135020	192282	5.39%	0.405%
86	15.015	2192	2198	2200	rBV	1255926	1909186	53.48%	4.024%
87	15.115	2212	2215	2219	rBV	338220	346751	9.71%	0.731%
88	15.198	2226	2229	2231	rBV2	85623	113202	3.17%	0.239%
89	15.245	2234	2237	2243	rVV4	105062	220219	6.17%	0.464%
90	15.309	2244	2248	2255	rVV	740973	963435	26.99%	2.031%
91	15.380	2255	2260	2265	rVV	1141502	1464225	41.02%	3.087%
92	15.433	2265	2269	2272	rVV	368825	443718	12.43%	0.935%
93	15.468	2272	2275	2281	rVB2	336034	447464	12.53%	0.943%
94	15.604	2294	2298	2301	rBV	90930	141075	3.95%	0.297%
95	15.992	2360	2364	2369	rBV	93664	117771	3.30%	0.248%
96	16.903	2512	2519	2527	rVV	424910	811688	22.74%	1.711%
97	17.068	2542	2547	2553	rBV2	92473	169150	4.74%	0.357%
98	17.127	2553	2557	2563	rVB	65762	116759	3.27%	0.246%
99	17.350	2589	2595	2606	rBV	287220	616670	17.27%	1.300%
100	17.603	2632	2638	2651	rVB	98234	252931	7.09%	0.533%

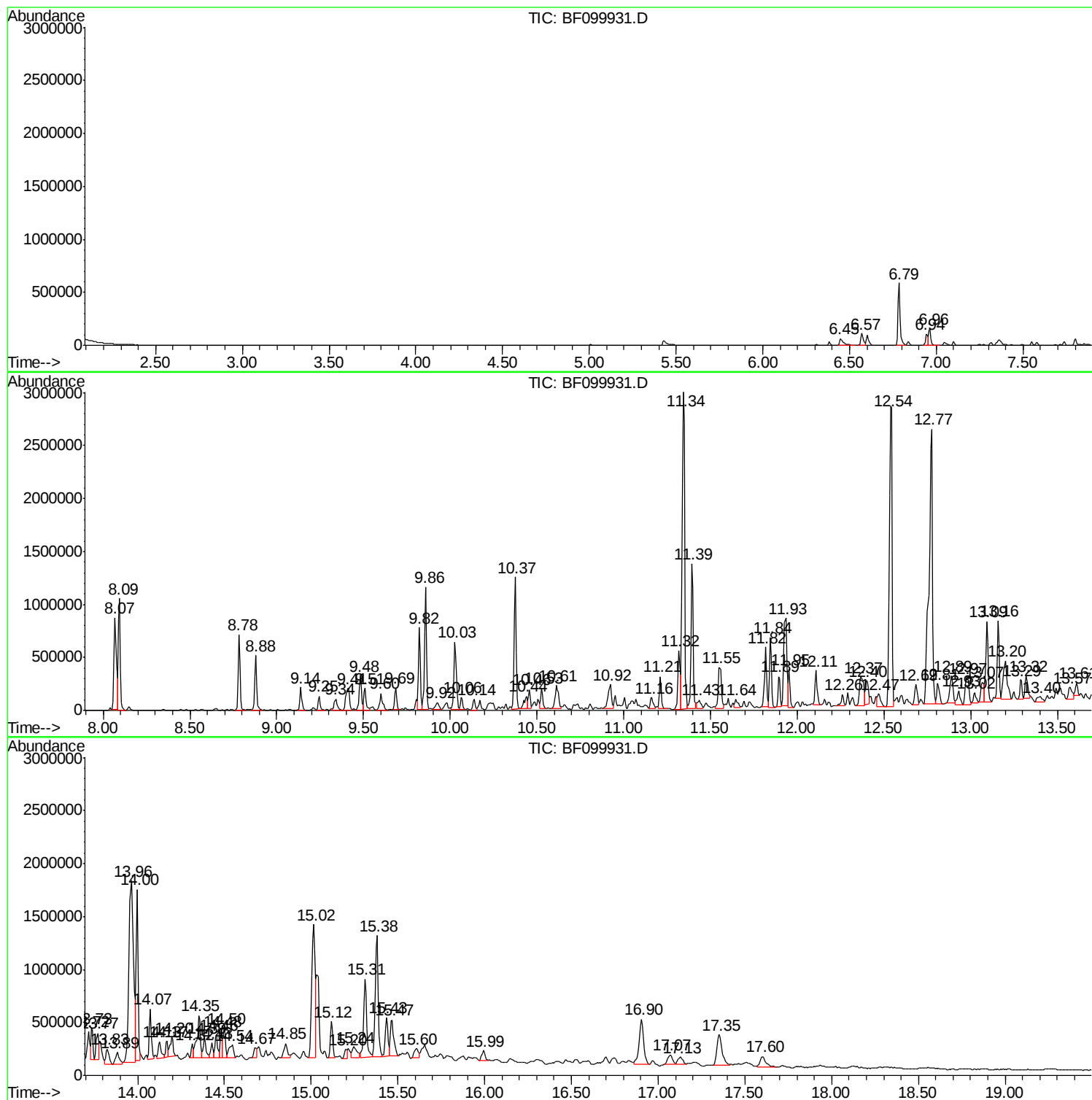
Sum of corrected areas: 47439433

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.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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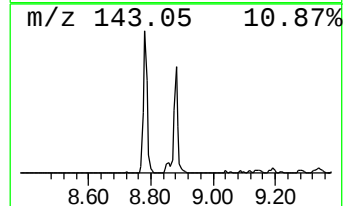
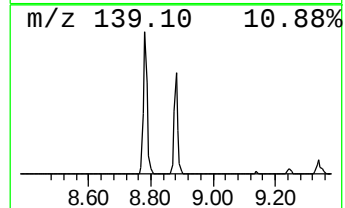
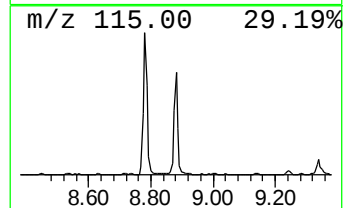
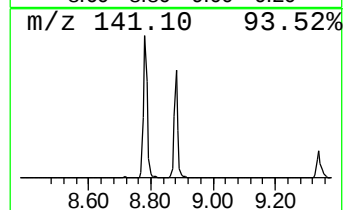
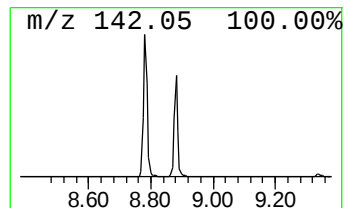
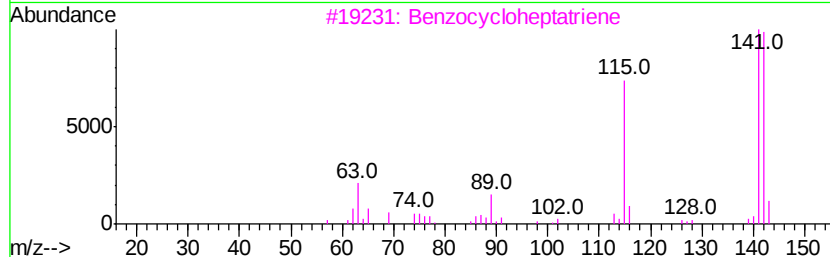
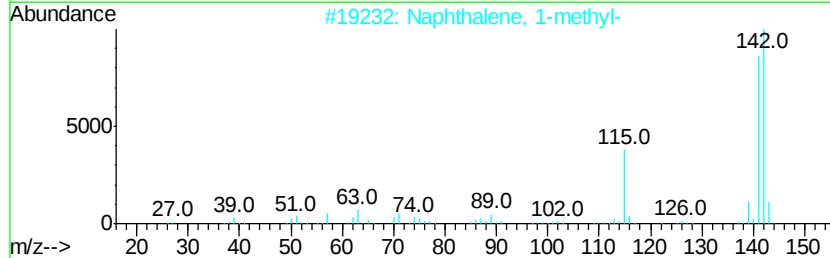
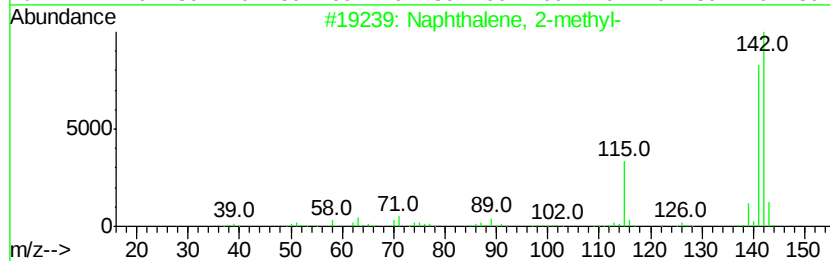
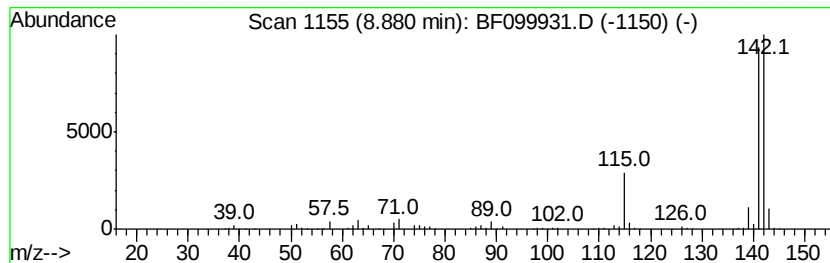
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	11.04 ng	420998	Naphthalene-d8	8.07

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	95
3		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	87



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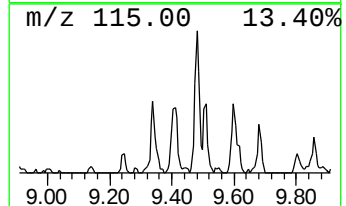
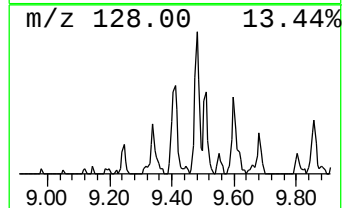
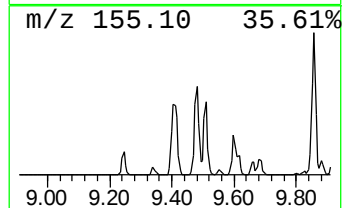
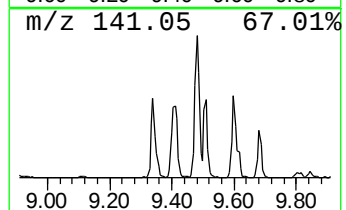
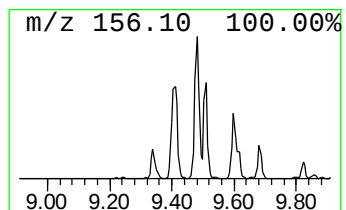
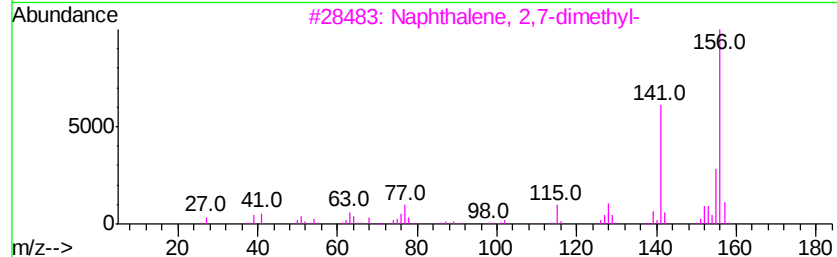
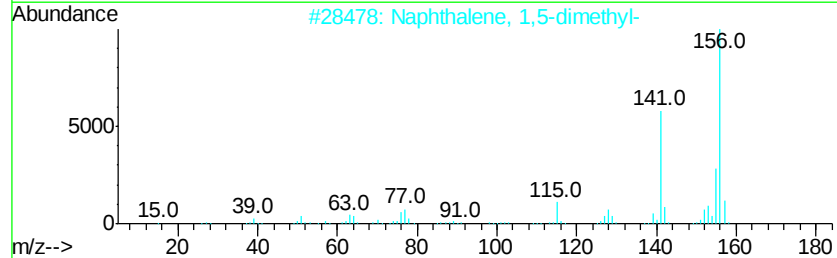
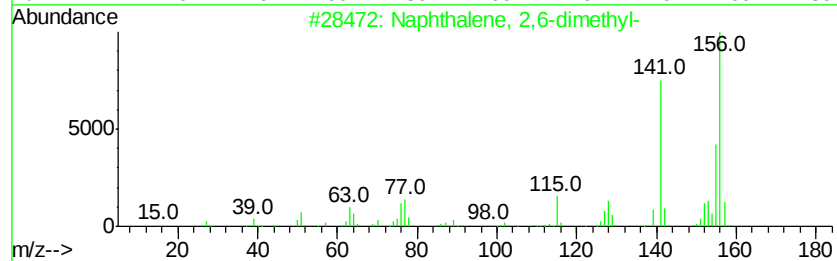
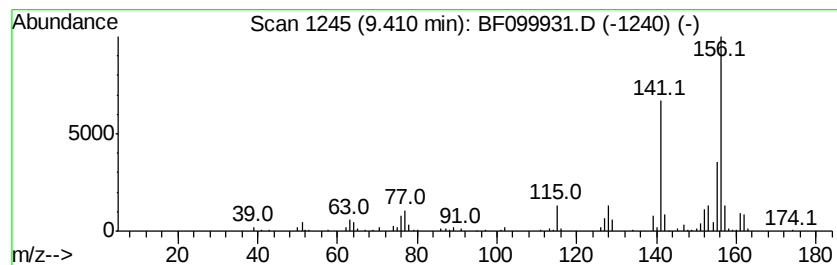
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Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.41	8.46 ng	271441	Acenaphthene-d10		9.82
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97



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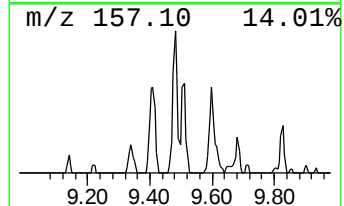
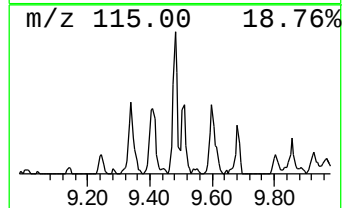
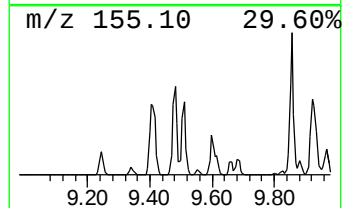
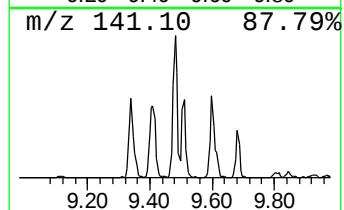
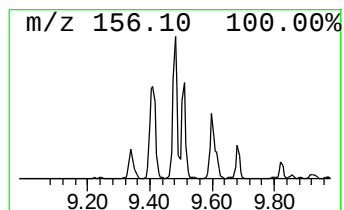
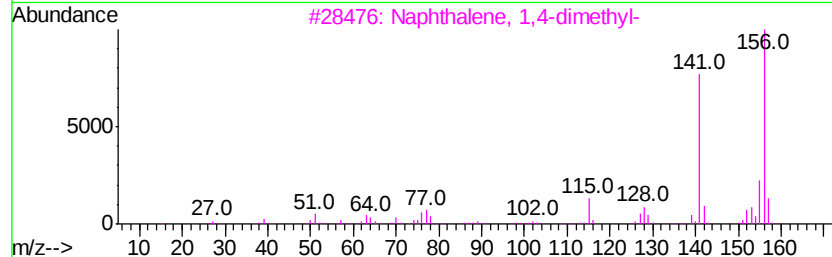
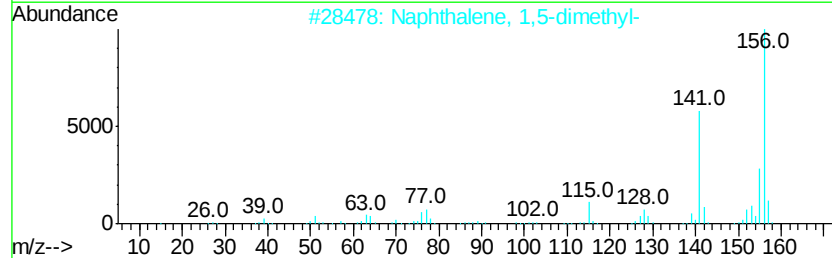
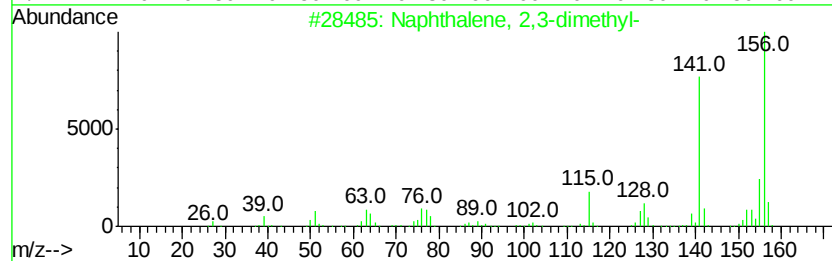
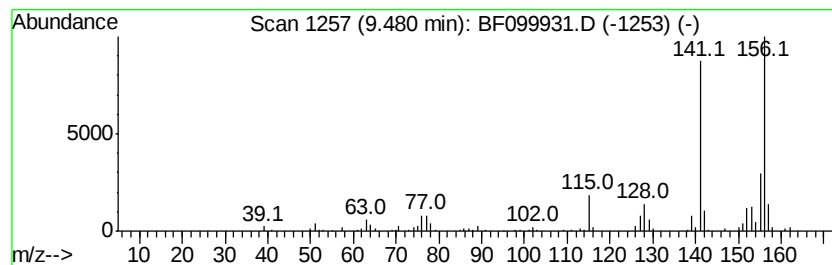
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Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	10.33 ng	331439	Acenaphthene-d10	9.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
2		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 97
3		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97
4		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97
5		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099931.D
Acq On : 28 Oct 2017 21:42
Operator : SJ/JU
Sample : I6169-01 10X
Misc :
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ClientSampleId :
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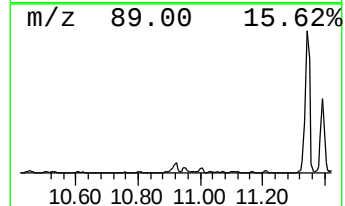
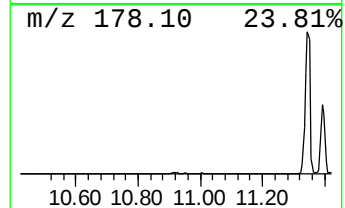
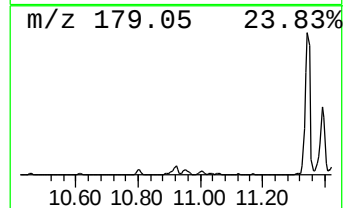
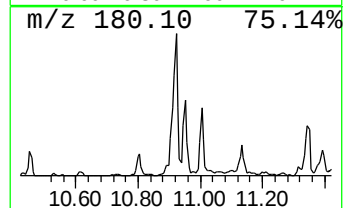
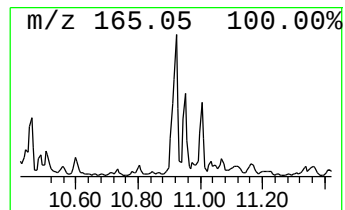
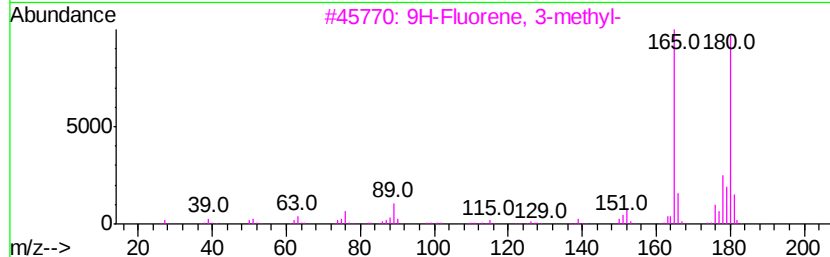
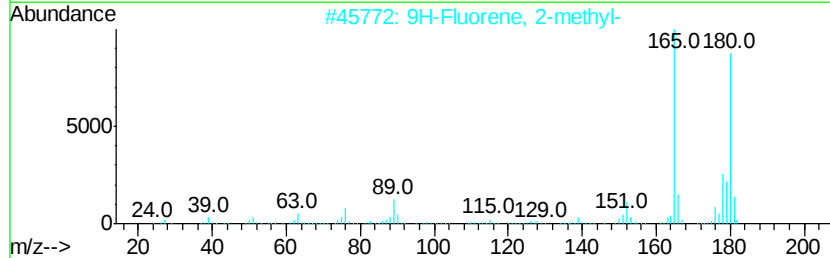
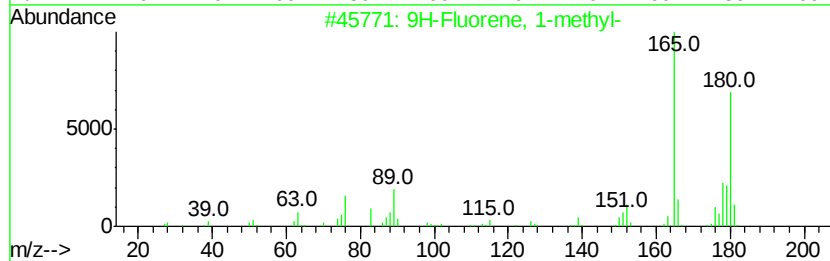
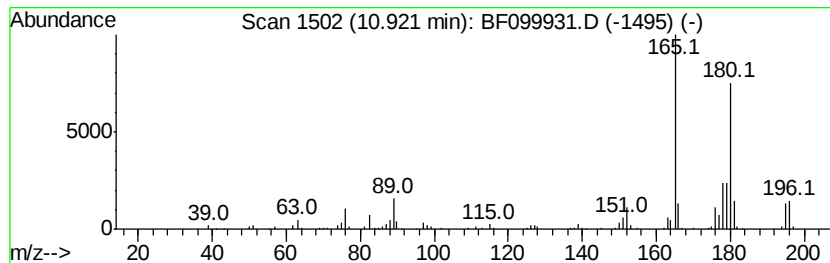
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	8.95 ng	261407	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
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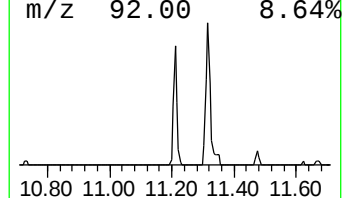
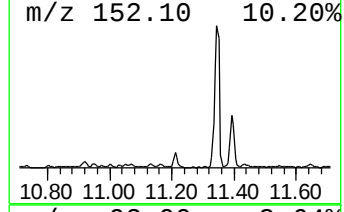
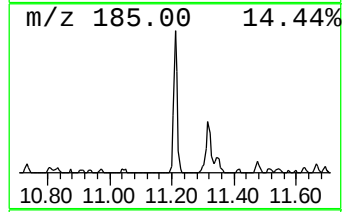
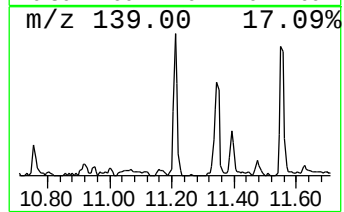
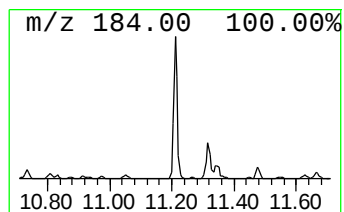
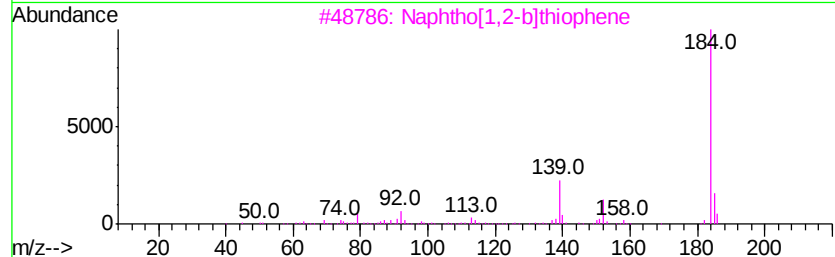
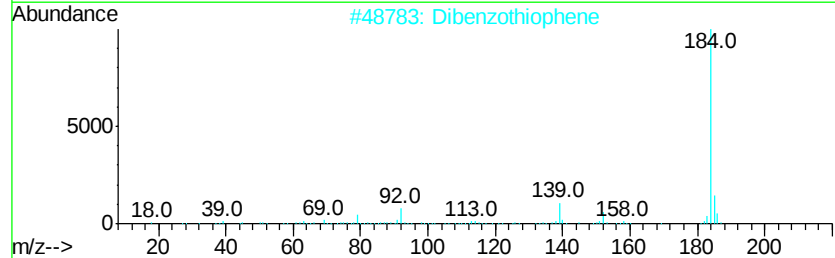
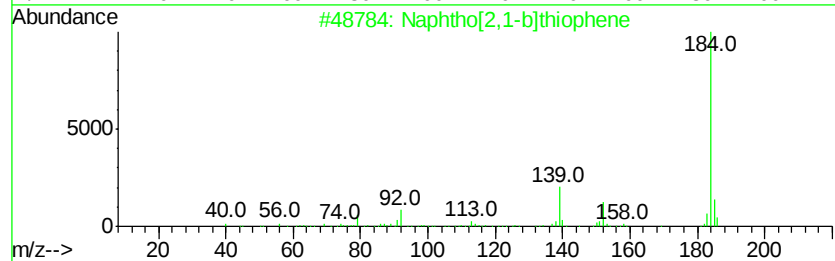
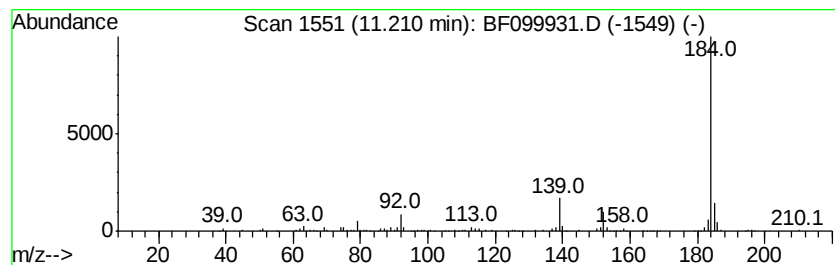
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	8.81 ng	257389	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	97
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
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Operator : SJ/JU
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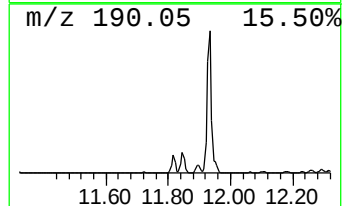
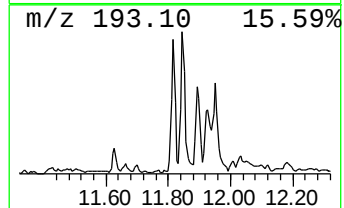
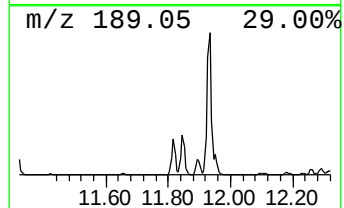
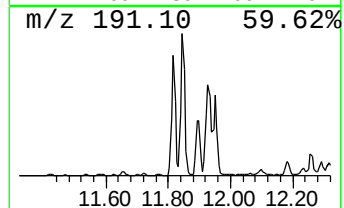
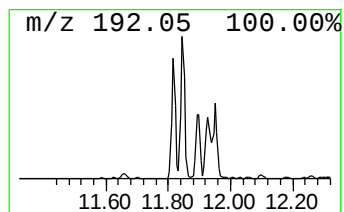
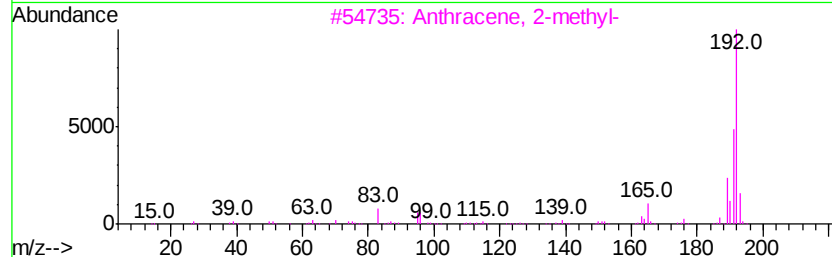
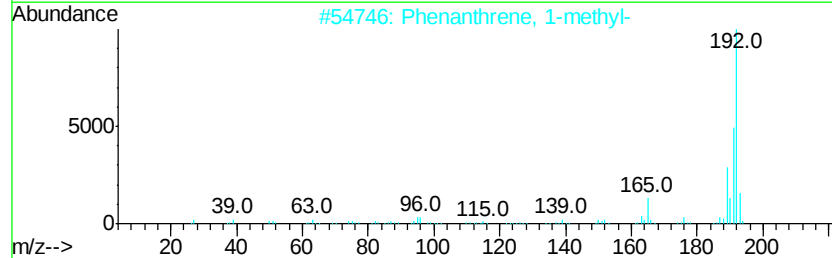
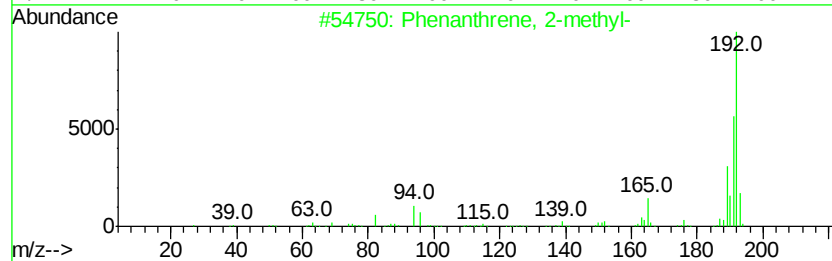
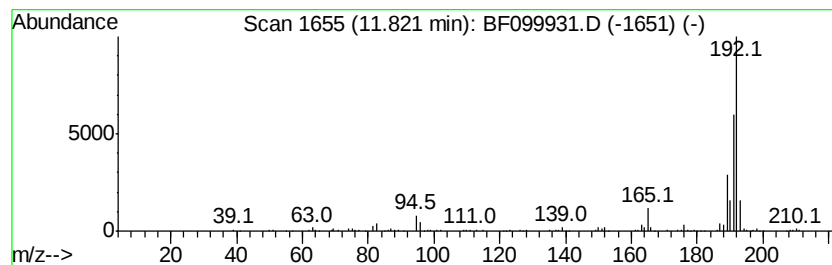
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	16.30 ng	476210	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
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	96
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102817\
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Acq On : 28 Oct 2017 21:42
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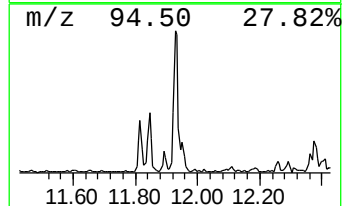
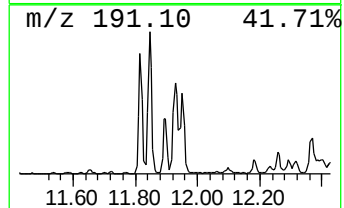
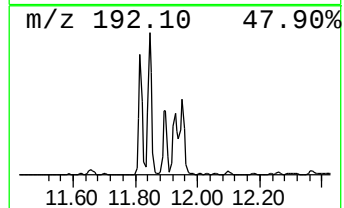
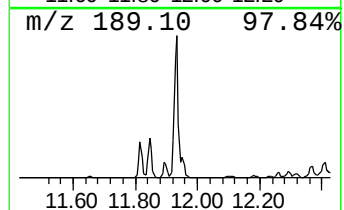
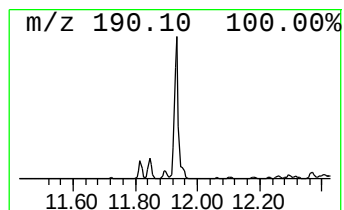
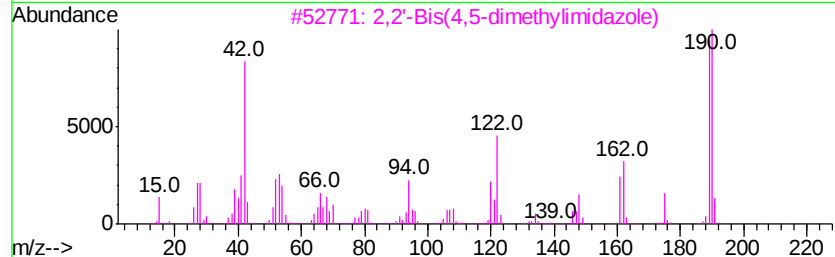
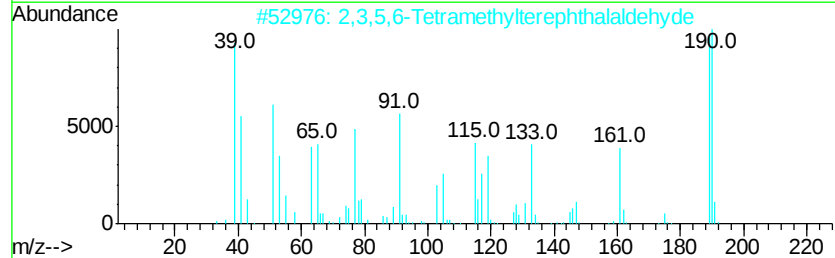
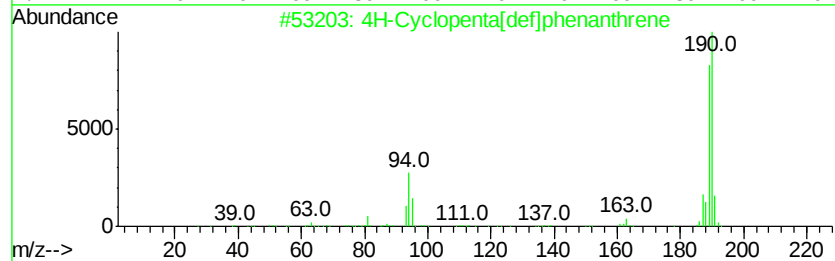
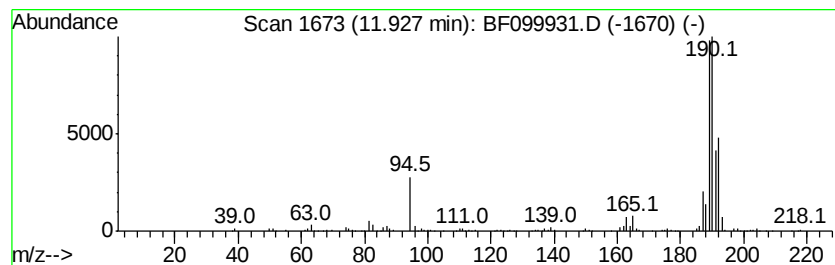
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	31.49 ng	920065	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4		Methyl diselenide	190	C2H6Se2	007101-31-7	27
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
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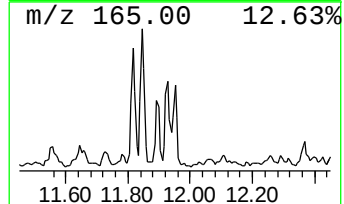
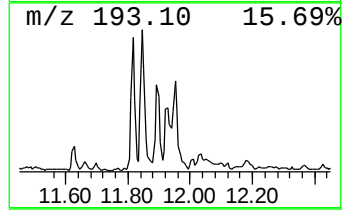
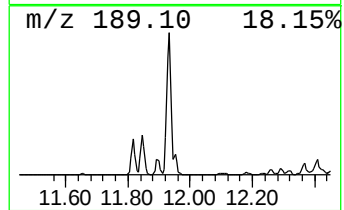
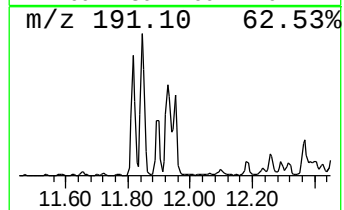
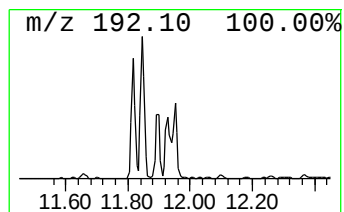
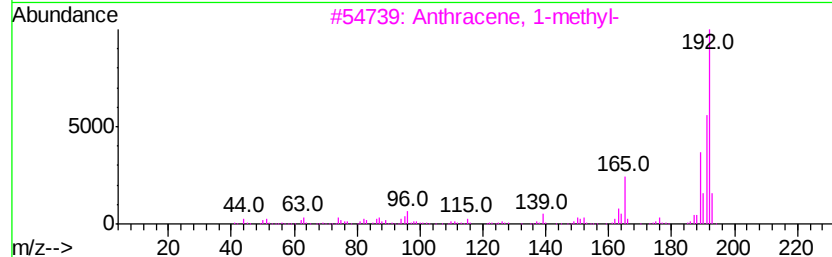
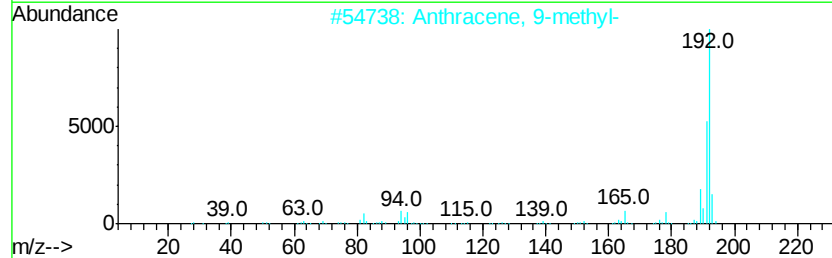
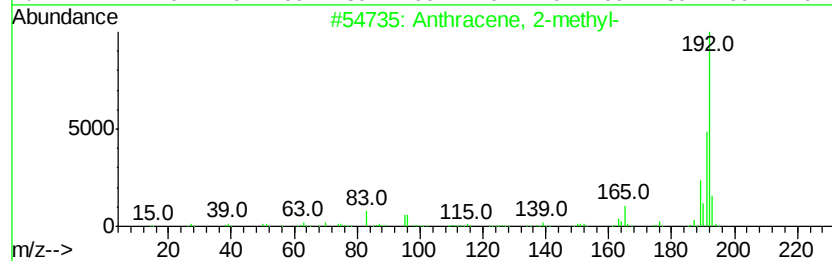
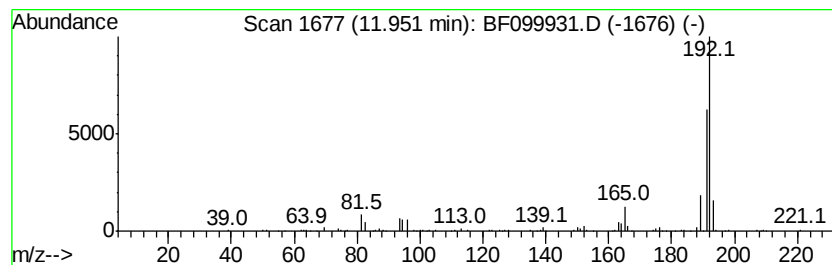
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	7.70 ng	224986	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102817\
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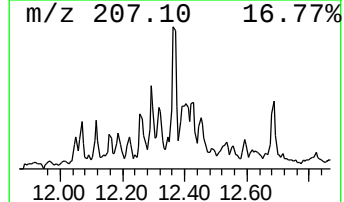
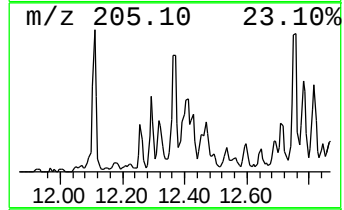
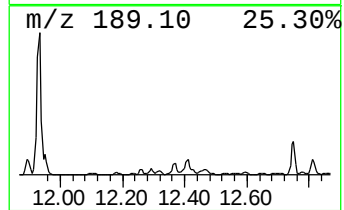
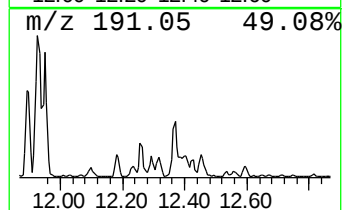
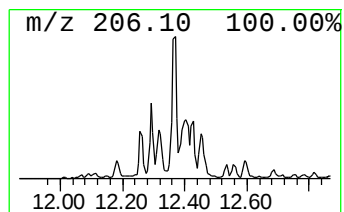
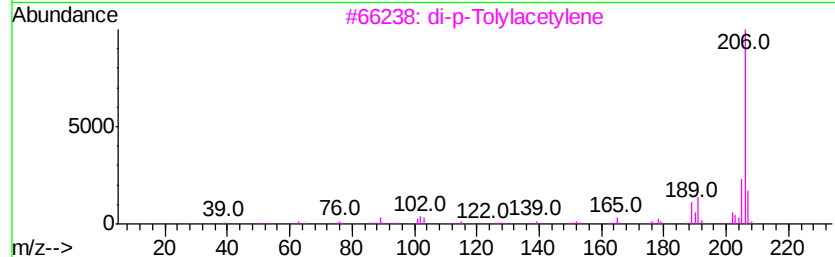
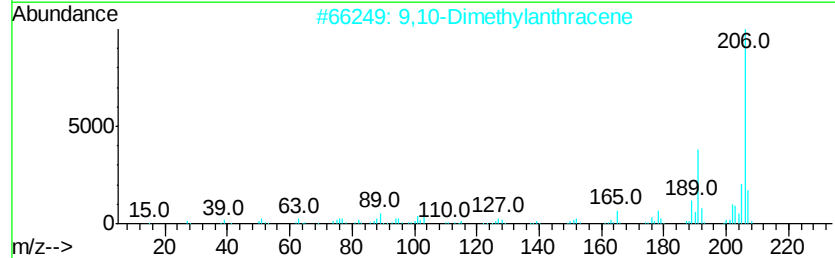
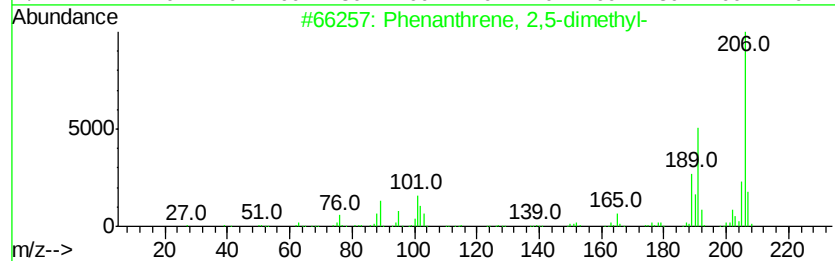
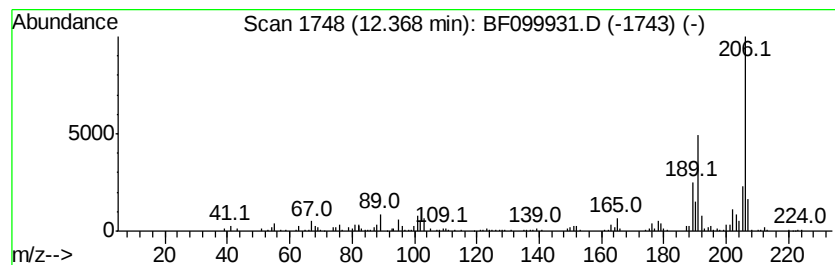
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	14.89 ng	434867	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
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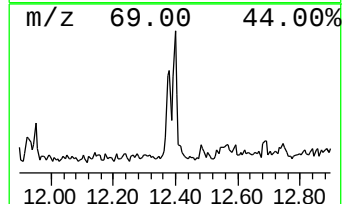
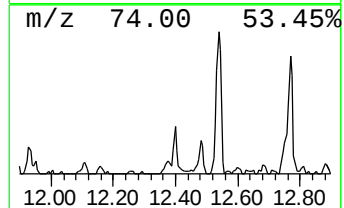
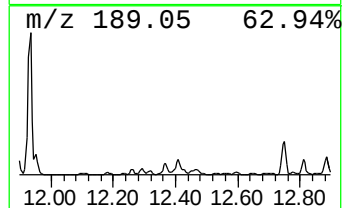
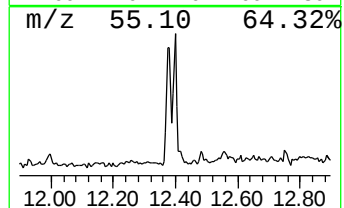
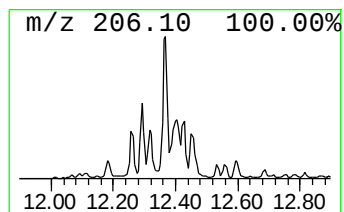
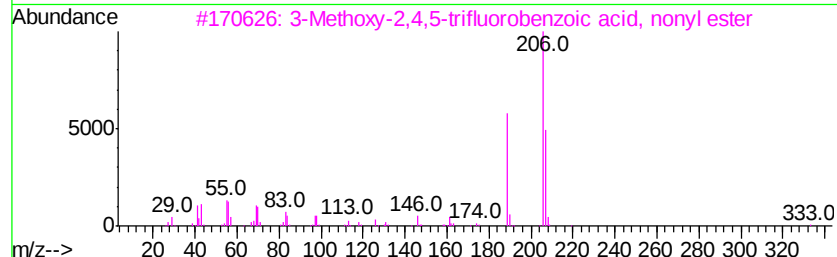
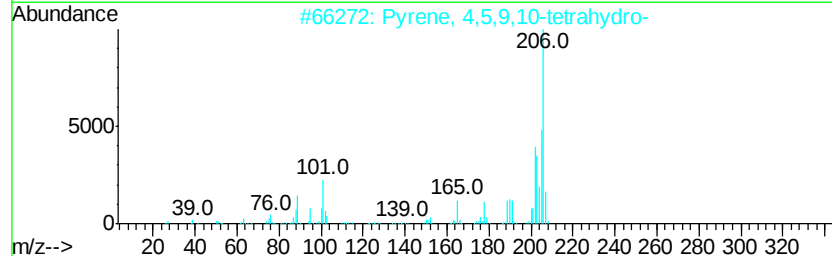
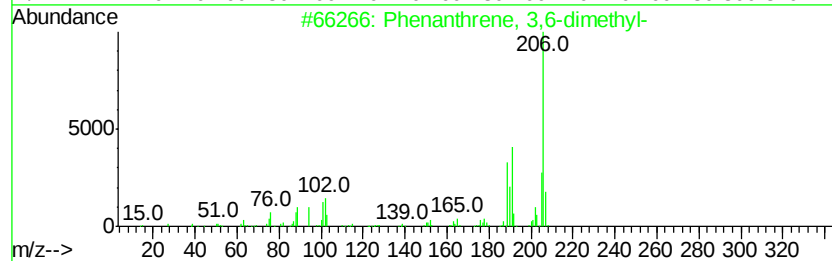
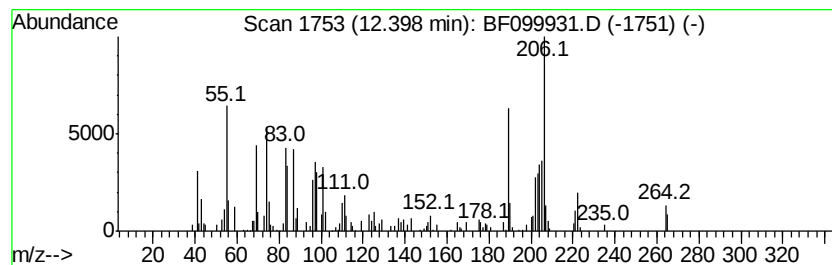
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown12.40 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	9.66 ng	282217	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
2			Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3			3-Methoxy-2,4,5-trifluorobenzoic...	332	C17H23F3O3	1000338-76-6	27
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	27
5			5-Methyl-3-phenyl-2-thioxo-imida...	206	C10H10N2OS	004333-19-1	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102817\
Data File : BF099931.D
Acq On : 28 Oct 2017 21:42
Operator : SJ/JU
Sample : I6169-01 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-102617

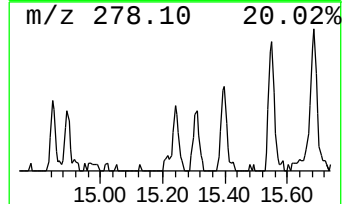
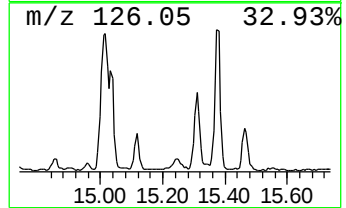
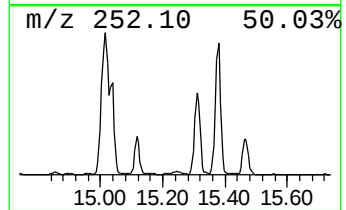
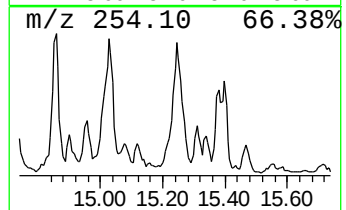
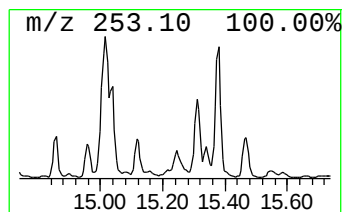
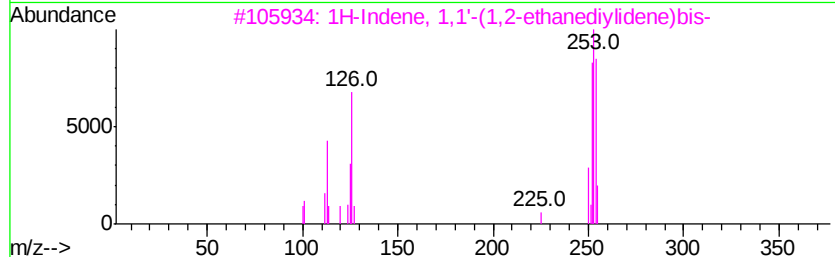
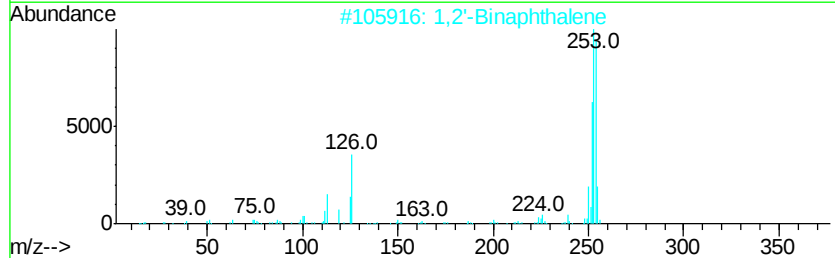
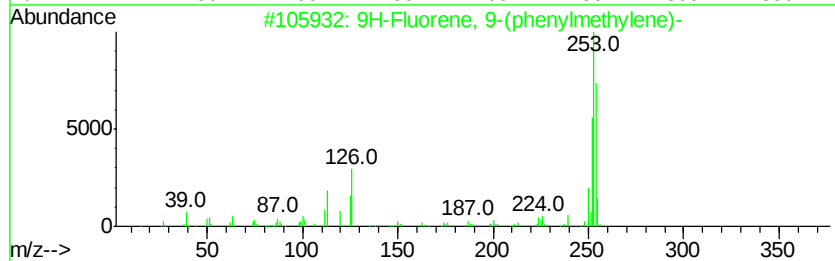
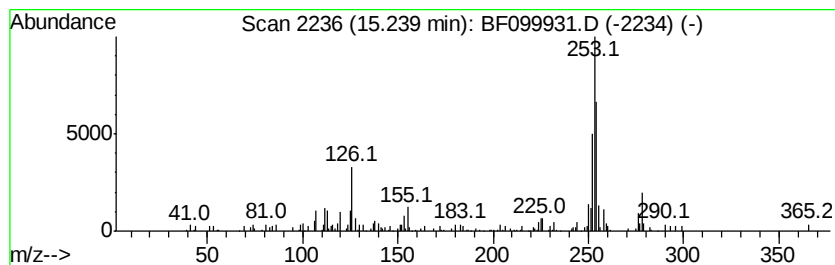
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9H-Fluorene, 9-(phenylmethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	9.93 ng	220219	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-(phenylmethylenyl)-	254	C20H14	001836-87-9	83
2		1,2'-Binaphthalene	254	C20H14	004325-74-0	64
3		1H-Indene, 1,1'-(1,2-ethanedivli...	254	C20H14	072088-04-1	58
4		4,6'-Biazulenvyl	254	C20H14	094154-49-1	58
5		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099931.D
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Misc :
ALS Vial : 23 Sample Multiplier: 1

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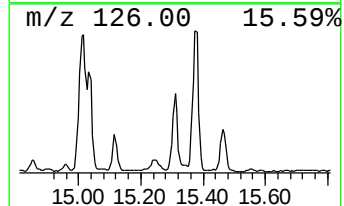
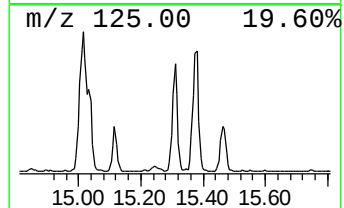
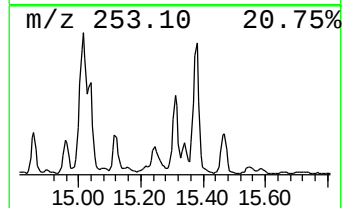
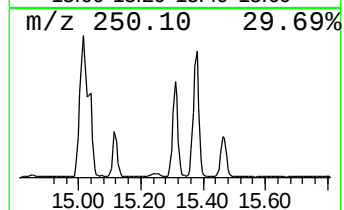
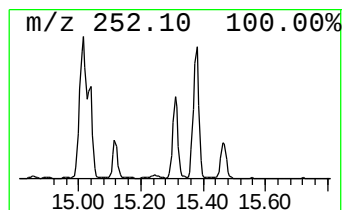
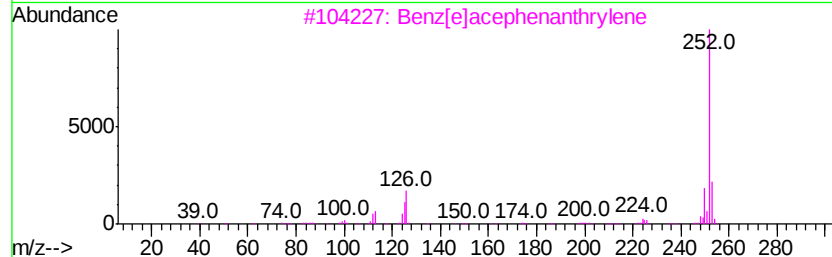
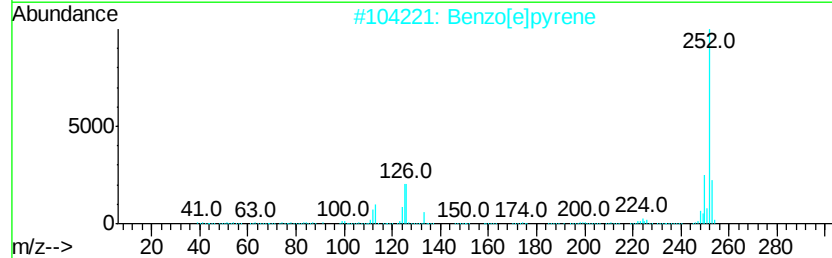
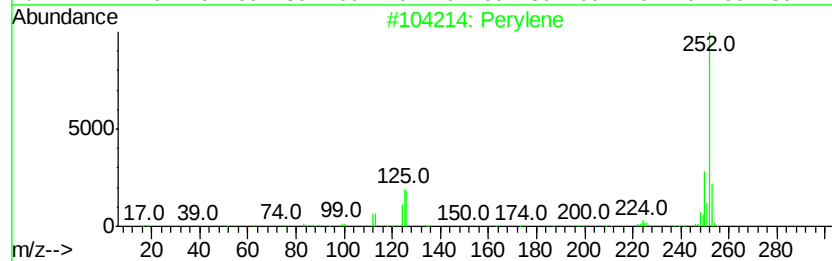
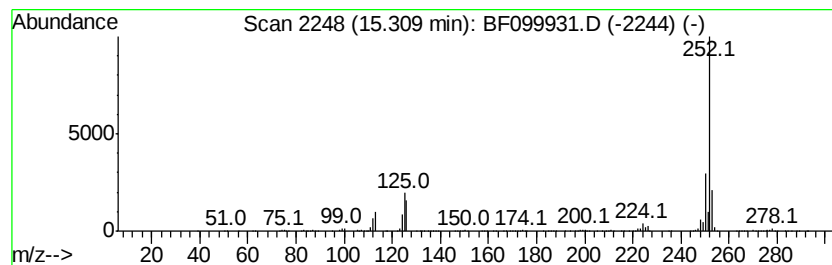
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	43.43 ng	963435	Perylene-d12	15.43

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



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Data File : BF099931.D
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Operator : SJ/JU
Sample : I6169-01 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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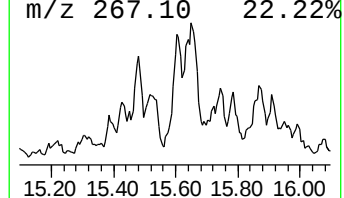
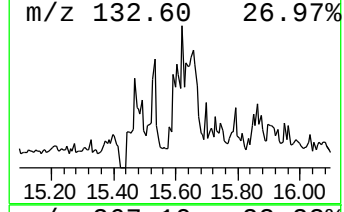
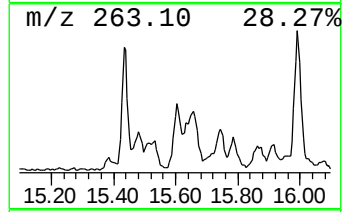
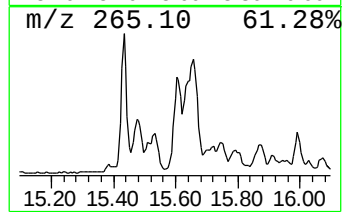
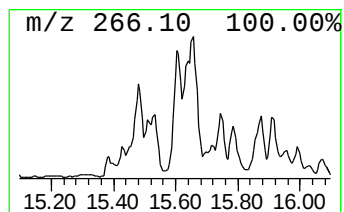
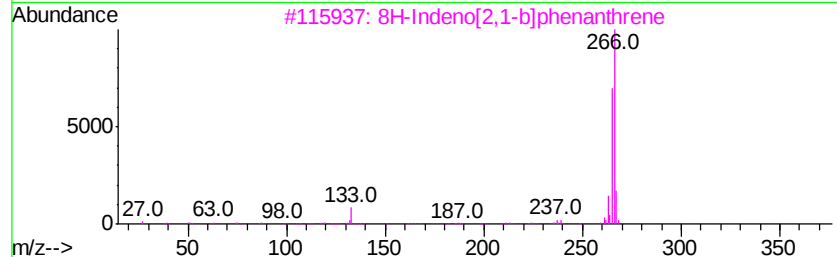
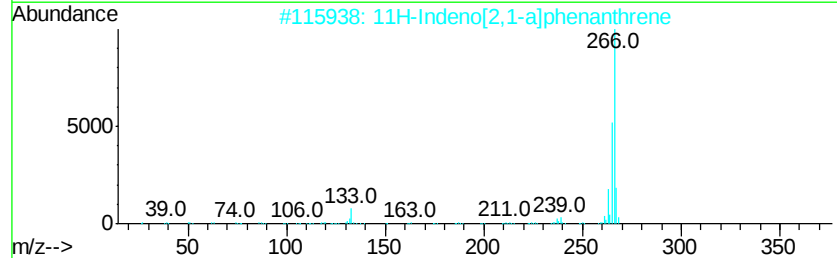
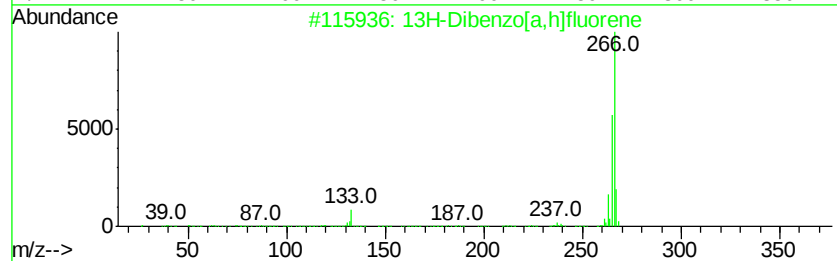
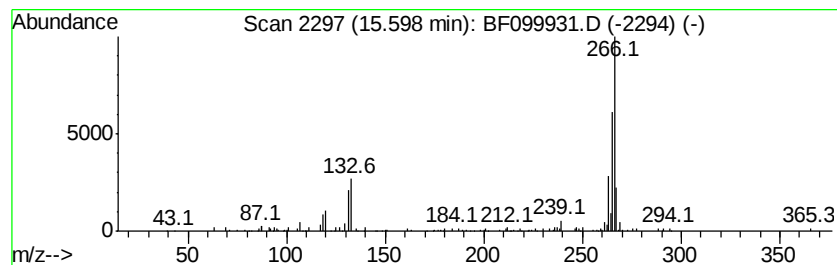
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 13H-Dibenzo[a,h]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	6.36 ng	141075	Perylene-d12	15.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	76
2			11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	70
3			8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	64
4			4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	50
5			1-Benzothieno[3,2-f]quinazoline...	266	C14H10N4S	065642-92-4	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099931.D
Acq On : 28 Oct 2017 21:42
Operator : SJ/JU
Sample : I6169-01 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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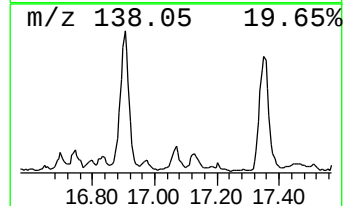
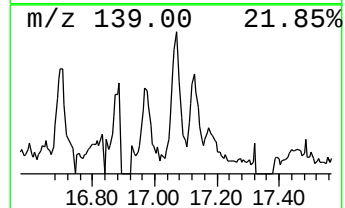
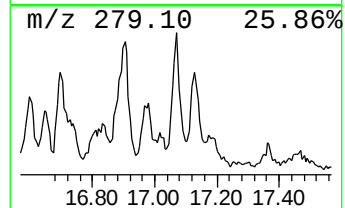
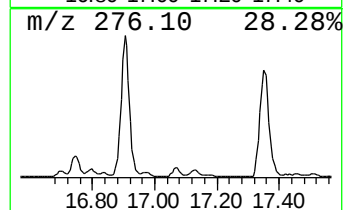
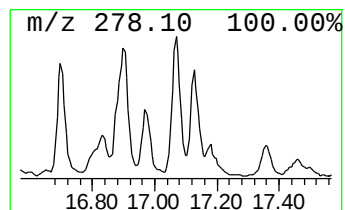
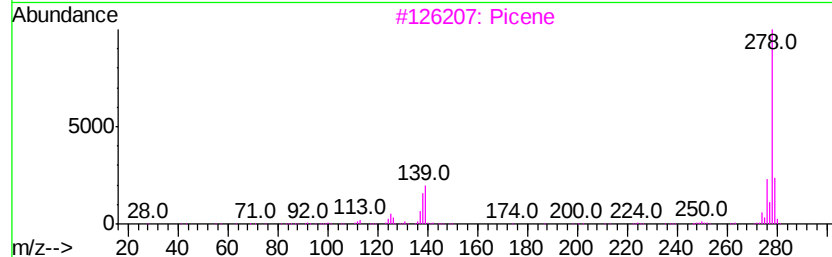
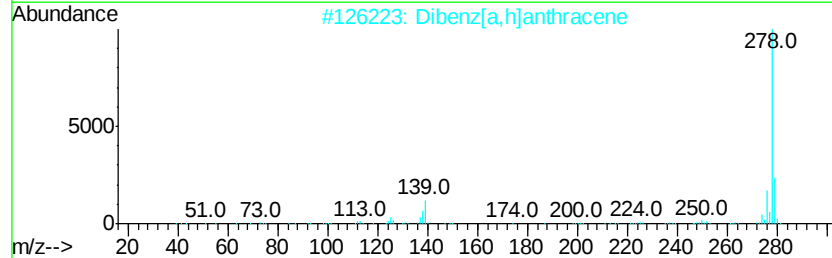
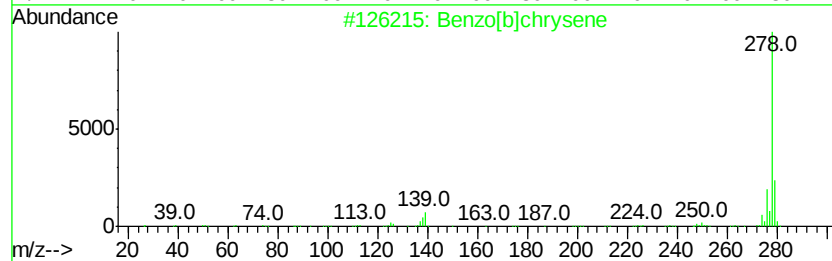
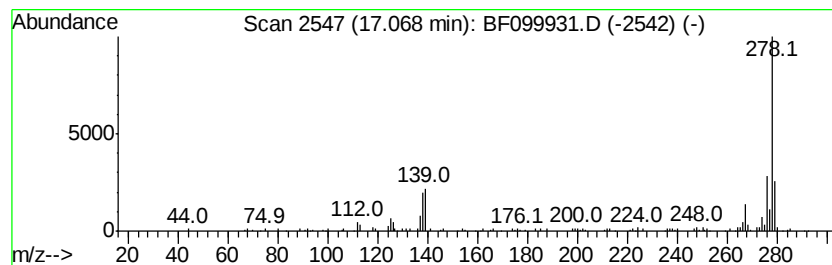
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]chrysene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	7.62 ng	169150	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]chrysene	278	C22H14	000214-17-5	95
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
3		Picene	278	C22H14	000213-46-7	93
4		Benzo[b]triphenylene	278	C22H14	000215-58-7	93
5		Pentacene	278	C22H14	000135-48-8	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102817\
Data File : BF099931.D
Acq On : 28 Oct 2017 21:42
Operator : SJ/JU
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Misc :
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ClientSampleId :
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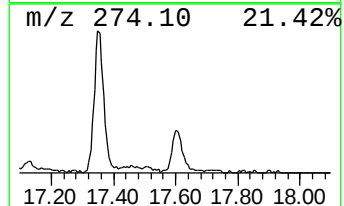
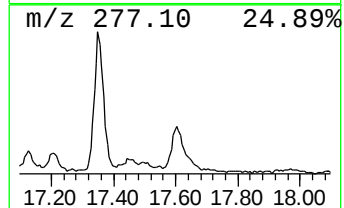
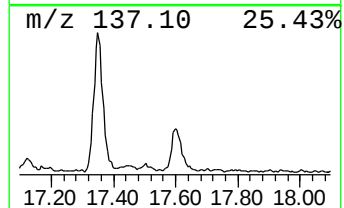
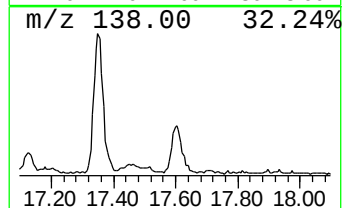
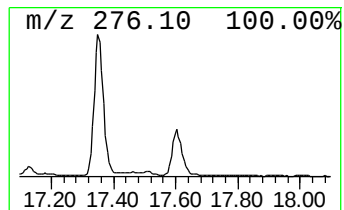
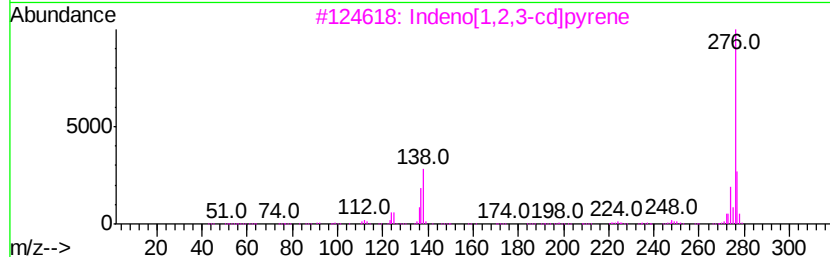
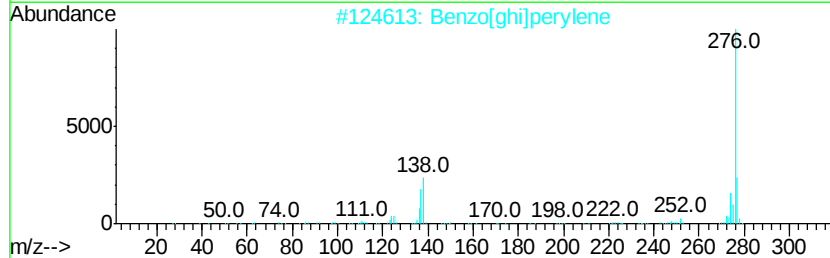
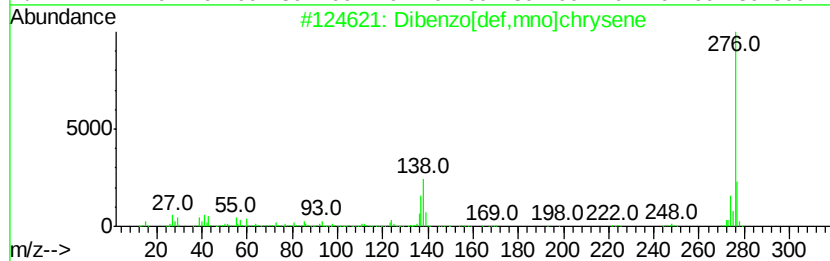
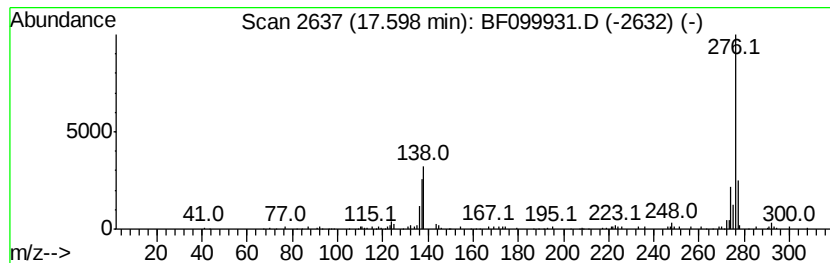
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	11.40 ng	252931	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
5		Naphthalen-1-yl-(3-nitro-benzyl)...	276	C17H12N2O2	200421-53-0	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102817\
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 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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...	8.88	11.0	ng	420998	2	8.07	762378	20.0
Naphthalene, 2,6-...	9.41	8.5	ng	271441	3	9.82	641859	20.0
Naphthalene, 2,3-...	9.48	10.3	ng	331439	3	9.82	641859	20.0
9H-Fluorene, 1-me...	10.92	8.9	ng	261407	4	11.32	584273	20.0
Naphtho[2,1-b]thi...	11.21	8.8	ng	257389	4	11.32	584273	20.0
Phenanthrene, 2-m...	11.82	16.3	ng	476210	4	11.32	584273	20.0
4H-Cyclopenta[def...	11.93	31.5	ng	920065	4	11.32	584273	20.0
Anthracene, 2-met...	11.95	7.7	ng	224986	4	11.32	584273	20.0
Phenanthrene, 2,5...	12.37	14.9	ng	434867	4	11.32	584273	20.0
unknown12.40	12.40	9.7	ng	282217	4	11.32	584273	20.0
9H-Fluorene, 9-(p...	15.24	9.9	ng	220219	6	15.43	443718	20.0
Perylene	15.31	43.4	ng	963435	6	15.43	443718	20.0
13H-Dibenzo[a,h]f...	15.60	6.4	ng	141075	6	15.43	443718	20.0
Benzo[b]chrysene	17.07	7.6	ng	169150	6	15.43	443718	20.0
Dibenzo[def,mno]c...	17.60	11.4	ng	252931	6	15.43	443718	20.0