

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097366.D
 Acq On : 4 Aug 2017 20:07
 Operator : SJ/JU
 Sample : I4585-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-080217

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.575	470	474	489	rBV	341438	584116	21.04%	1.247%
2	5.046	550	554	576	rBV	2227761	2776483	100.00%	5.926%
3	6.116	731	736	749	rBV	2495241	2770190	99.77%	5.913%
4	6.216	749	753	759	rVB	2657052	2548209	91.78%	5.439%
5	6.440	787	791	802	rBV	780728	756633	27.25%	1.615%
6	6.592	813	817	824	rBV	2030012	1929201	69.48%	4.118%
7	7.010	884	888	891	rBV	1691388	1593044	57.38%	3.400%
8	7.722	1005	1009	1011	rBV	1154061	1002839	36.12%	2.140%
9	7.739	1011	1012	1018	rVB	194155	168767	6.08%	0.360%
10	8.528	1139	1146	1150	rBV	67318	64810	2.33%	0.138%
11	8.798	1187	1192	1195	rBV	2671204	2512012	90.47%	5.362%
12	9.057	1231	1236	1242	rBV2	42809	64298	2.32%	0.137%
13	9.128	1244	1248	1251	rBV2	65072	71430	2.57%	0.152%
14	9.198	1256	1260	1265	rVV	605209	527915	19.01%	1.127%
15	9.245	1265	1268	1275	rVB	53125	73000	2.63%	0.156%
16	9.328	1275	1282	1287	rBV	74059	88002	3.17%	0.188%
17	9.463	1300	1305	1307	rVV	1104055	1041715	37.52%	2.223%
18	9.492	1307	1310	1317	rVB	609937	536350	19.32%	1.145%
19	9.616	1328	1331	1335	rVB	84575	72884	2.63%	0.156%
20	9.669	1335	1340	1343	rBV	204898	216450	7.80%	0.462%
21	9.704	1343	1346	1350	rBV2	90564	100148	3.61%	0.214%
22	9.880	1371	1376	1380	rBV6	32305	69002	2.49%	0.147%
23	9.963	1385	1390	1394	rBV6	23012	56030	2.02%	0.120%
24	10.004	1394	1397	1403	rVB	415159	350142	12.61%	0.747%
25	10.069	1407	1408	1410	rVV	82160	75434	2.72%	0.161%
26	10.086	1410	1411	1414	rVV	115691	90669	3.27%	0.194%
27	10.116	1414	1416	1418	rVV2	46700	56464	2.03%	0.121%
28	10.133	1418	1419	1422	rVV	89482	80442	2.90%	0.172%
29	10.163	1422	1424	1429	rVB	159711	152252	5.48%	0.325%
30	10.251	1435	1439	1443	rBV2	1330074	1336180	48.12%	2.852%
31	10.292	1443	1446	1450	rVB2	53201	61219	2.20%	0.131%
32	10.380	1457	1461	1467	rVB2	102809	144467	5.20%	0.308%
33	10.433	1467	1470	1474	rBV2	60728	79400	2.86%	0.169%
34	10.551	1482	1490	1492	rBV2	119371	195086	7.03%	0.416%

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35	10.580	1492	1495	1498	rVV3	78372	95479	3.44%	0.204%
36	10.633	1501	1504	1507	rVB	72599	81336	2.93%	0.174%
37	10.680	1510	1512	1514	rVV	53932	55449	2.00%	0.118%
38	10.792	1528	1531	1534	rBV	109183	113853	4.10%	0.243%
39	10.828	1534	1537	1541	rBV	172742	152745	5.50%	0.326%
40	10.933	1551	1555	1557	rBV	914242	871591	31.39%	1.860%
41	10.957	1557	1559	1563	rVV	1462930	1215924	43.79%	2.595%
42	11.010	1563	1568	1572	rVB	714771	655726	23.62%	1.400%
43	11.051	1572	1575	1578	rBV	112264	121624	4.38%	0.260%
44	11.175	1592	1596	1603	rBV2	102692	162396	5.85%	0.347%
45	11.257	1607	1610	1622	rVB4	81171	162698	5.86%	0.347%
46	11.345	1622	1625	1629	rBV	48271	61254	2.21%	0.131%
47	11.433	1636	1640	1642	rBV	277267	235107	8.47%	0.502%
48	11.463	1642	1645	1648	rVB	257933	221406	7.97%	0.473%
49	11.492	1648	1650	1651	rBV	193831	148191	5.34%	0.316%
50	11.510	1651	1653	1655	rVB	200233	158853	5.72%	0.339%
51	11.539	1655	1658	1661	rBV	568111	596807	21.50%	1.274%
52	11.627	1669	1673	1675	rBV3	43997	60141	2.17%	0.128%
53	11.669	1675	1680	1683	rVV5	67638	111894	4.03%	0.239%
54	11.727	1683	1690	1694	rVV	258770	278282	10.02%	0.594%
55	11.874	1710	1715	1719	rBV2	127620	134681	4.85%	0.287%
56	11.980	1729	1733	1736	rBV	226197	223375	8.05%	0.477%
57	12.016	1736	1739	1742	rVV2	122289	143476	5.17%	0.306%
58	12.074	1745	1749	1754	rVB2	110626	154808	5.58%	0.330%
59	12.139	1756	1760	1764	rVB	2068919	2186878	78.76%	4.668%
60	12.186	1764	1768	1770	rBV3	118806	143430	5.17%	0.306%
61	12.210	1770	1772	1779	rVB4	85787	112172	4.04%	0.239%
62	12.269	1779	1782	1790	rBV2	185634	308312	11.10%	0.658%
63	12.363	1793	1798	1801	rBV2	1752645	2233494	80.44%	4.767%
64	12.416	1804	1807	1813	rVB2	117860	172356	6.21%	0.368%
65	12.486	1816	1819	1820	rBV	129685	114304	4.12%	0.244%
66	12.516	1820	1824	1830	rVB	1683371	1696039	61.09%	3.620%
67	12.586	1830	1836	1840	rBV3	180972	295839	10.66%	0.631%
68	12.645	1843	1846	1848	rBV2	73725	63989	2.30%	0.137%
69	12.669	1848	1850	1851	rBV3	99542	91646	3.30%	0.196%
70	12.692	1851	1854	1858	rVB	481918	478506	17.23%	1.021%
71	12.757	1858	1865	1868	rBV	550966	558601	20.12%	1.192%

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72	12.792	1868	1871	1876	rBV	268796	325824	11.74%	0.695%
73	12.886	1884	1887	1889	rBV	133222	114550	4.13%	0.244%
74	12.916	1889	1892	1896	rBV	141261	129981	4.68%	0.277%
75	13.098	1918	1923	1924	rBV4	75374	108797	3.92%	0.232%
76	13.174	1933	1936	1939	rBV3	78122	106815	3.85%	0.228%
77	13.304	1954	1958	1960	rBV	163293	175442	6.32%	0.374%
78	13.327	1960	1962	1964	rVV	122216	89760	3.23%	0.192%
79	13.357	1964	1967	1968	rBV	76547	61097	2.20%	0.130%
80	13.551	1993	2000	2003	rBV2	1101757	1839914	66.27%	3.927%
81	13.580	2003	2005	2014	rVB	912937	886994	31.95%	1.893%
82	13.657	2015	2018	2021	rVB	208966	169703	6.11%	0.362%
83	13.710	2025	2027	2028	rBV	72587	65756	2.37%	0.140%
84	13.792	2039	2041	2048	rVB3	80963	95344	3.43%	0.204%
85	13.904	2058	2060	2062	rBV	107144	95384	3.44%	0.204%
86	13.939	2062	2066	2069	rVV	241340	308925	11.13%	0.659%
87	13.974	2069	2072	2075	rVB	120344	117934	4.25%	0.252%
88	14.033	2080	2082	2084	rVV	133807	134212	4.83%	0.286%
89	14.063	2085	2087	2089	rVV3	126244	133145	4.80%	0.284%
90	14.080	2089	2090	2093	rVB	141885	111335	4.01%	0.238%
91	14.416	2145	2147	2151	rBV	87965	80965	2.92%	0.173%
92	14.545	2165	2169	2178	rBV	802942	1360434	49.00%	2.904%
93	14.633	2181	2184	2188	rVB2	195912	207819	7.48%	0.444%
94	14.792	2207	2211	2216	rBV	472187	508739	18.32%	1.086%
95	14.845	2216	2220	2225	rVV	713043	847161	30.51%	1.808%
96	14.892	2225	2228	2231	rVV2	470724	561737	20.23%	1.199%
97	14.921	2231	2233	2241	rVB2	225494	302206	10.88%	0.645%
98	16.092	2427	2432	2437	rVB	249677	410562	14.79%	0.876%
99	16.445	2488	2492	2503	rVB	189353	378286	13.62%	0.807%
100	16.651	2523	2527	2537	rVB3	81058	204726	7.37%	0.437%

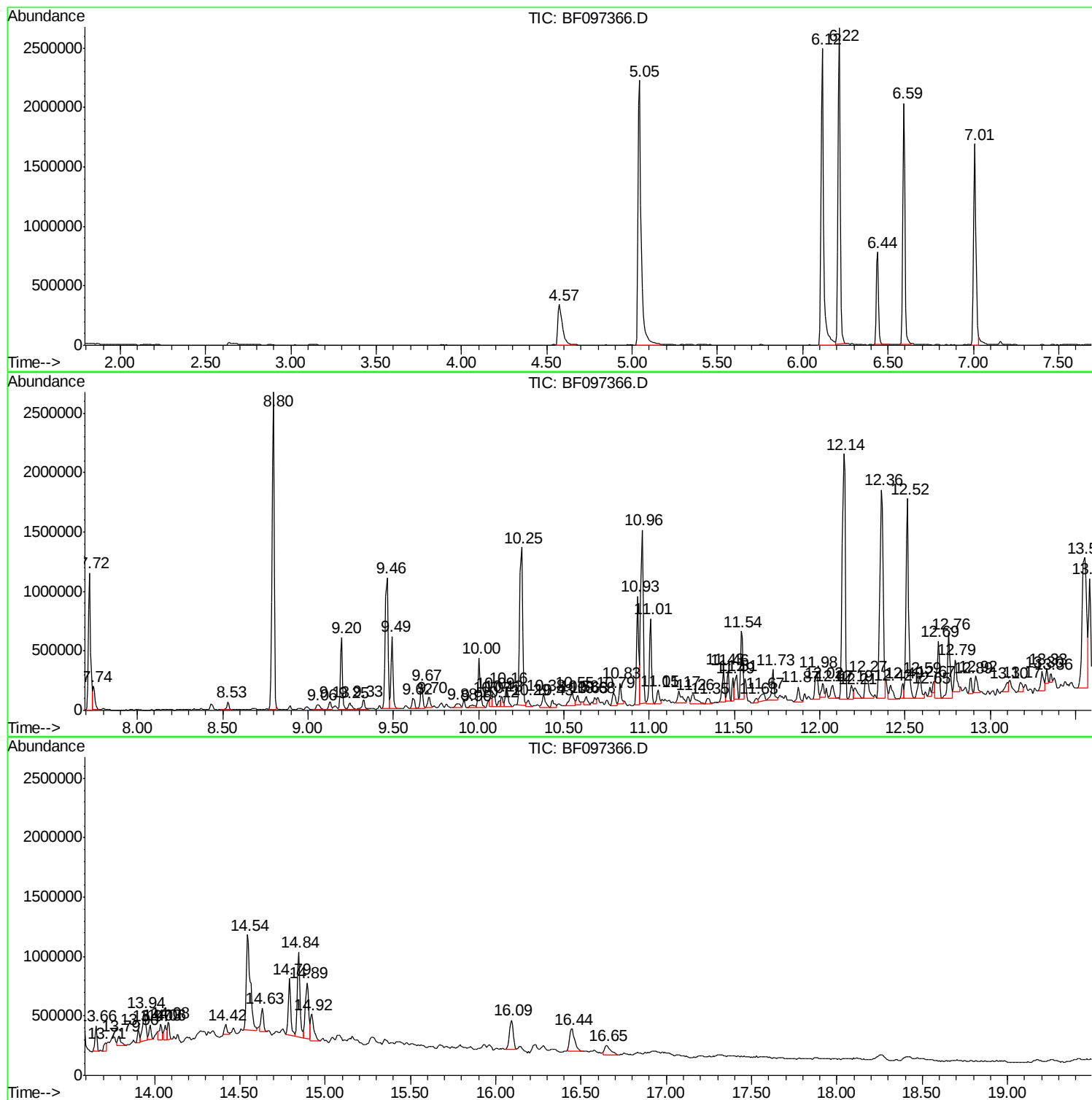
Sum of corrected areas: 46851492

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

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



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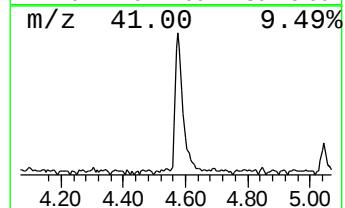
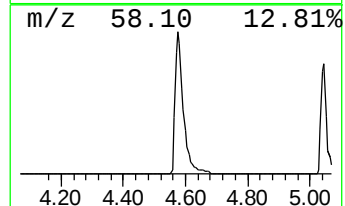
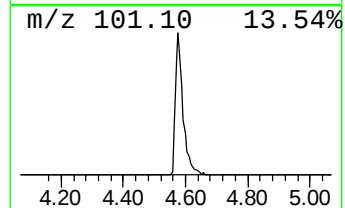
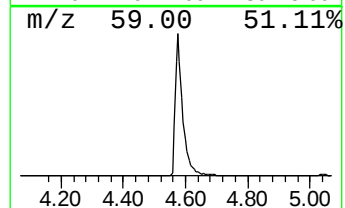
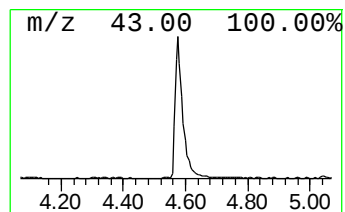
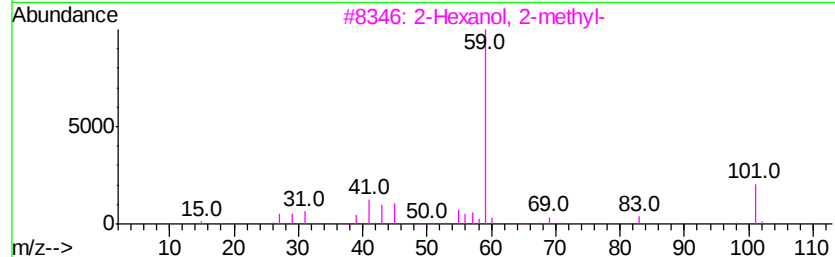
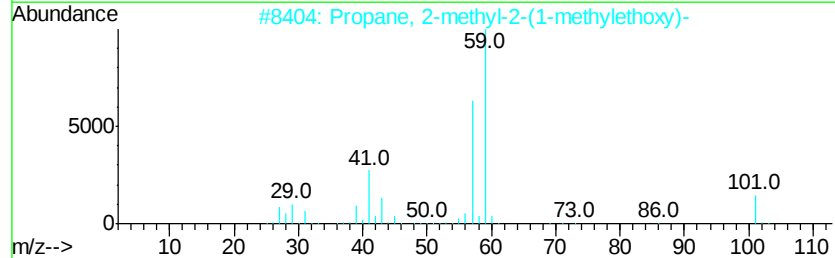
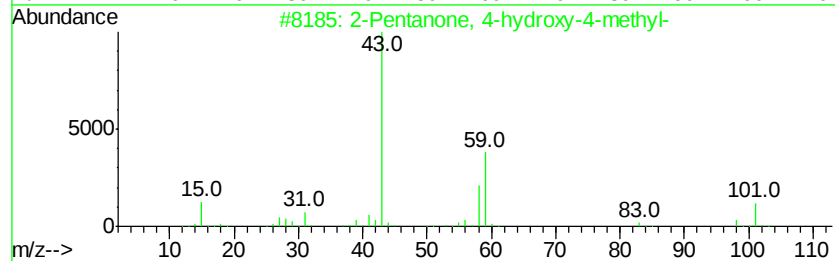
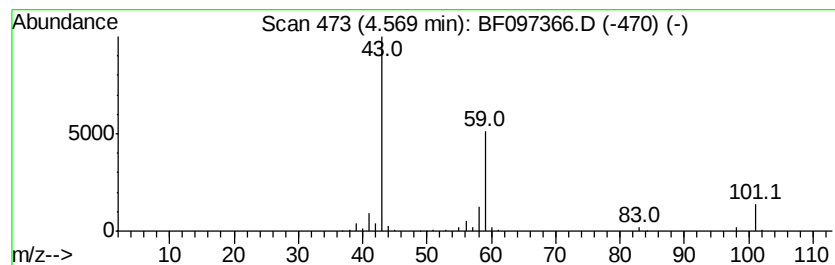
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	15.44 ng	584116	1,4-Dichlorobenzene-d4	6.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
5		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9



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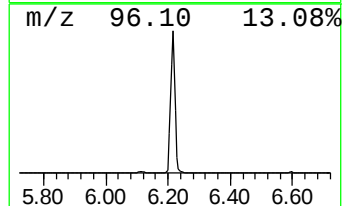
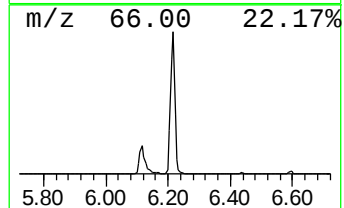
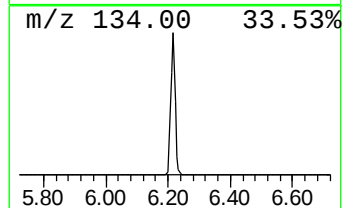
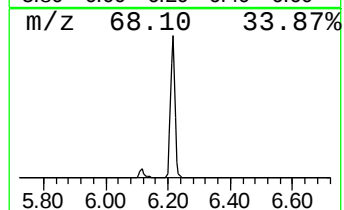
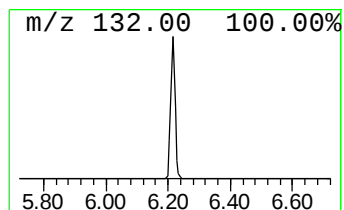
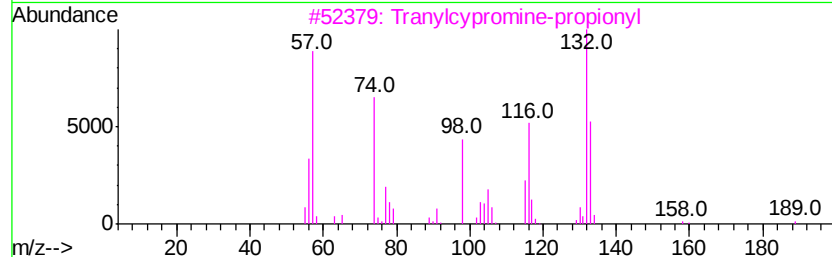
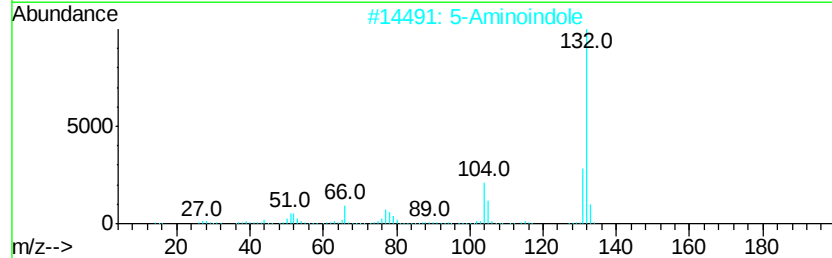
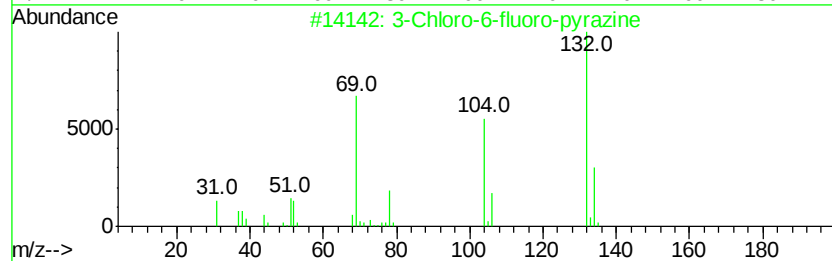
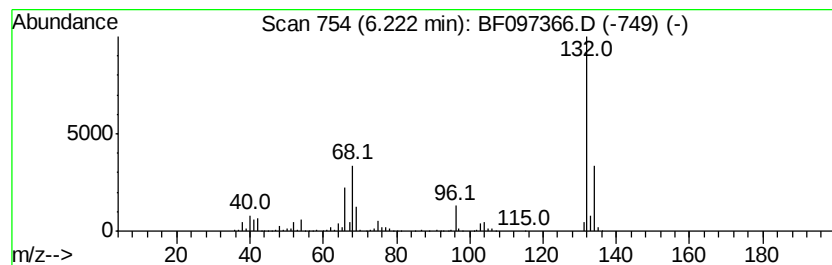
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.22 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	67.36 ng	2548210	1,4-Dichlorobenzene-d4	6.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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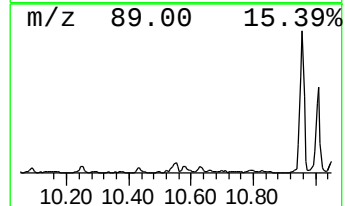
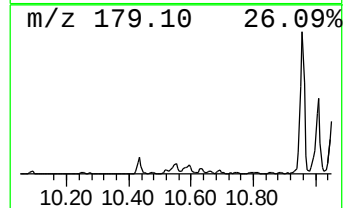
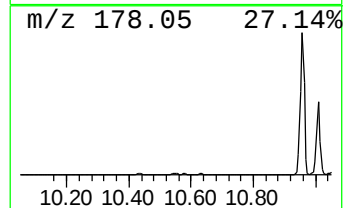
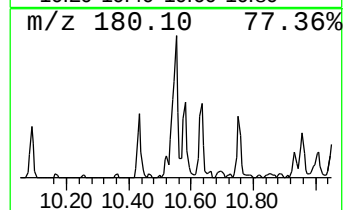
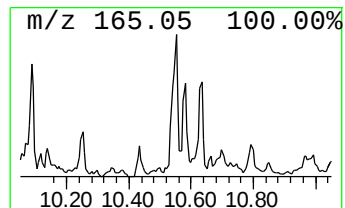
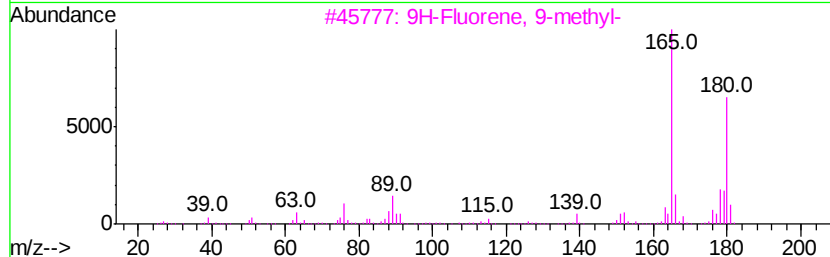
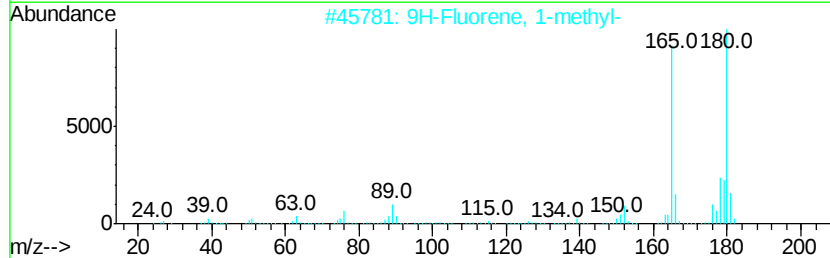
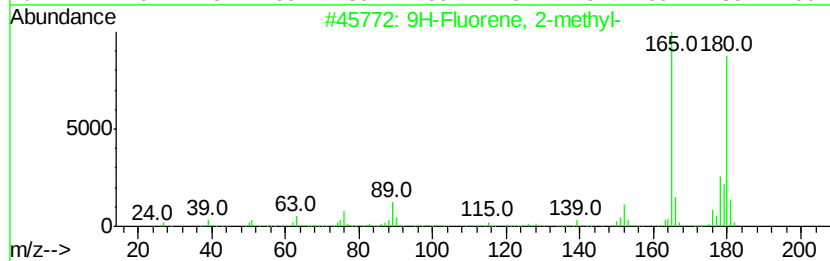
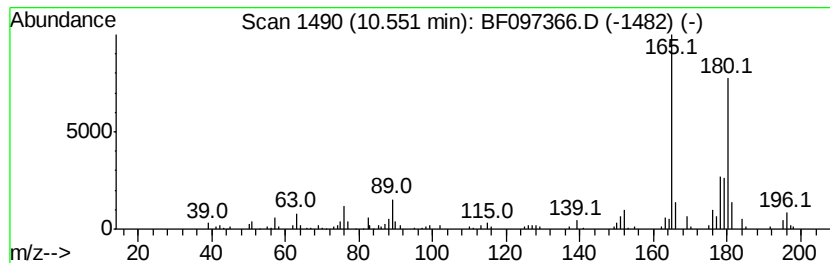
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Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	4.48 ng	195086	Phenanthrene-d10	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
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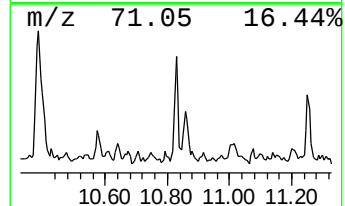
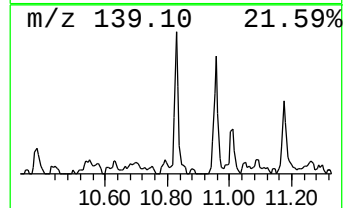
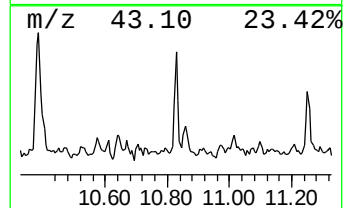
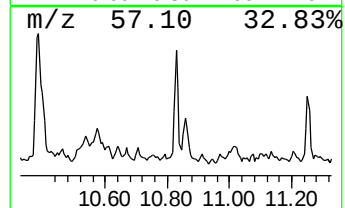
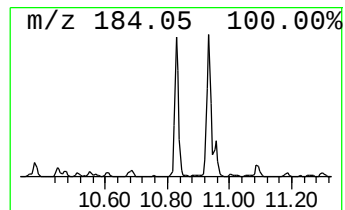
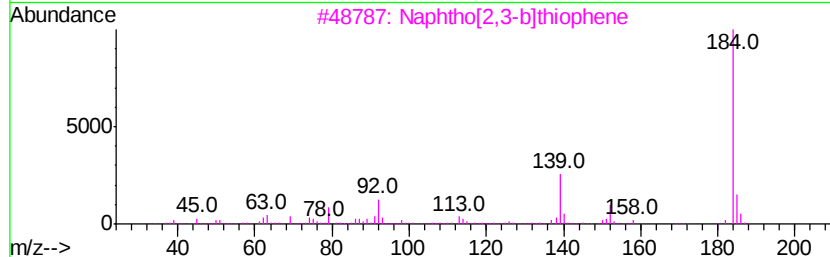
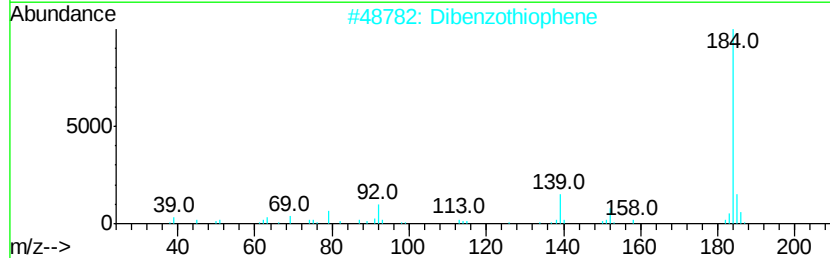
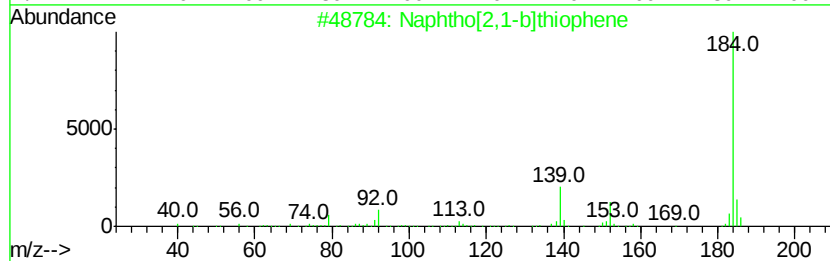
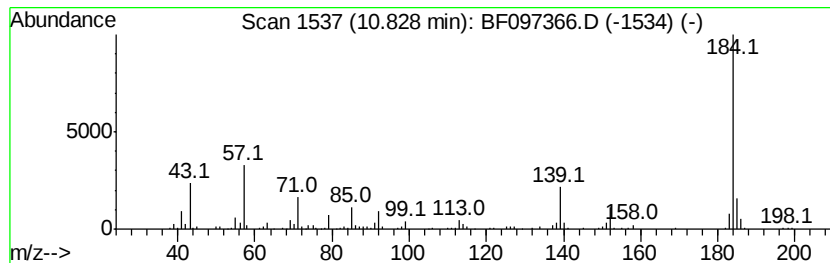
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.83	3.50 ng	152745	Phenanthrene-d10	10.93		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2		Dibenzothiophene	184	C12H8S	000132-65-0	94
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
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ClientSampleId :
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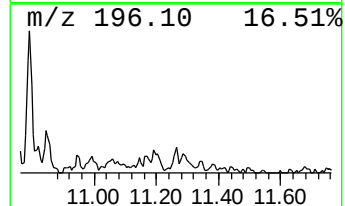
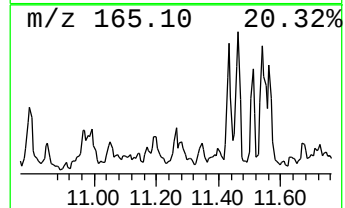
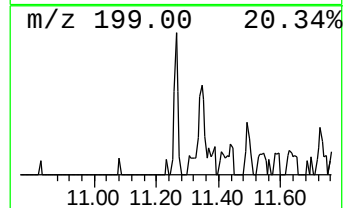
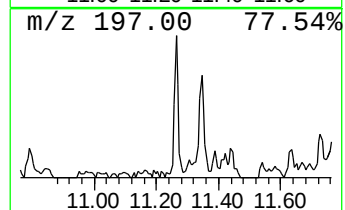
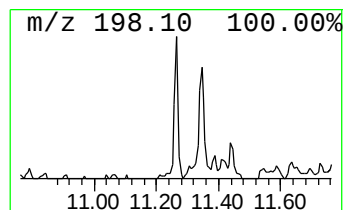
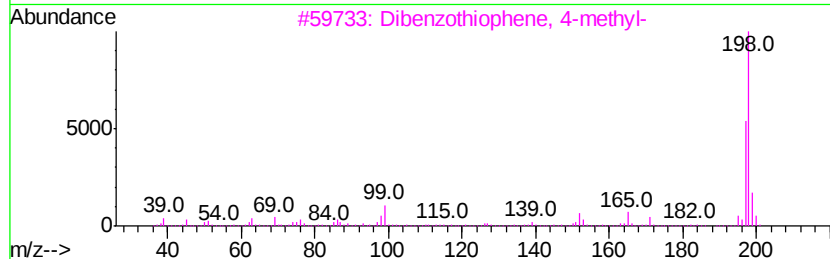
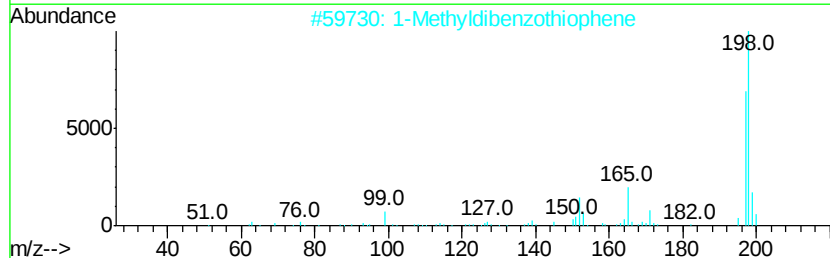
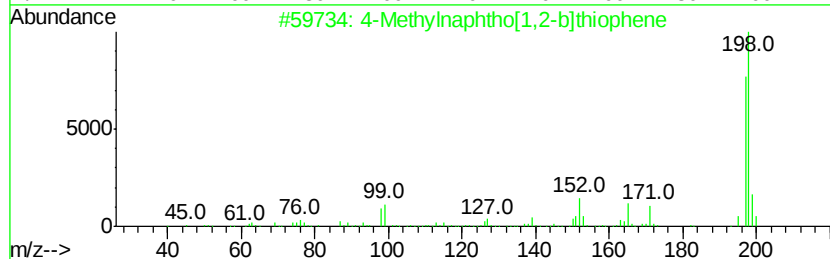
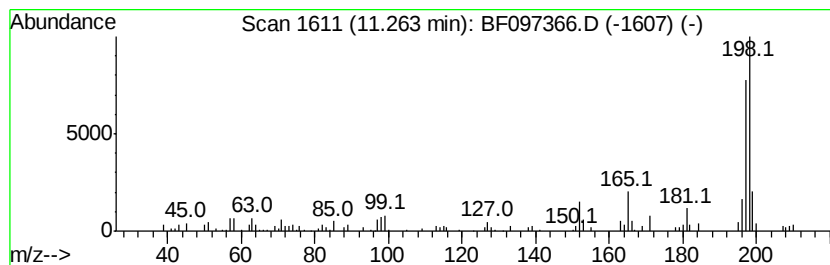
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	3.73 ng	162698	Phenanthrene-d10	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	60
2		1-Methyldibenzothiophene	198	C13H10S	031317-07-4	58
3		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	52
4		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	49
5		Tacrine	198	C13H14N2	000321-64-2	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
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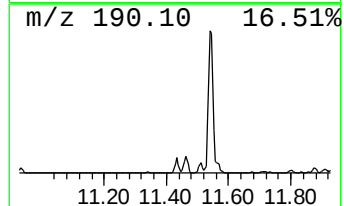
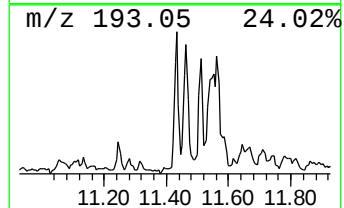
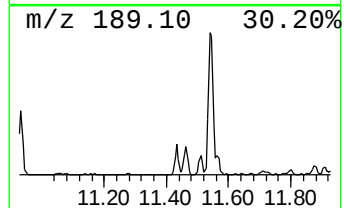
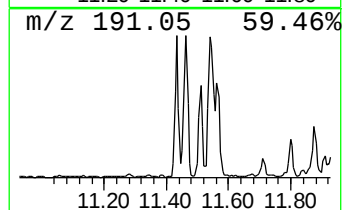
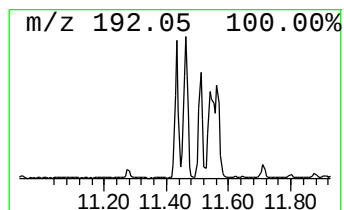
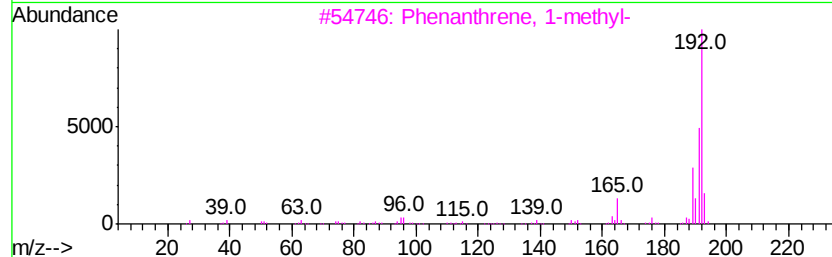
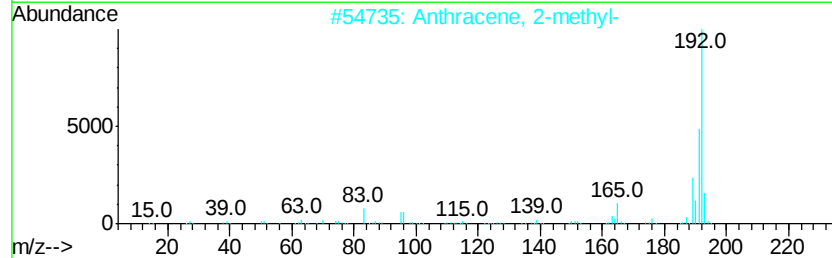
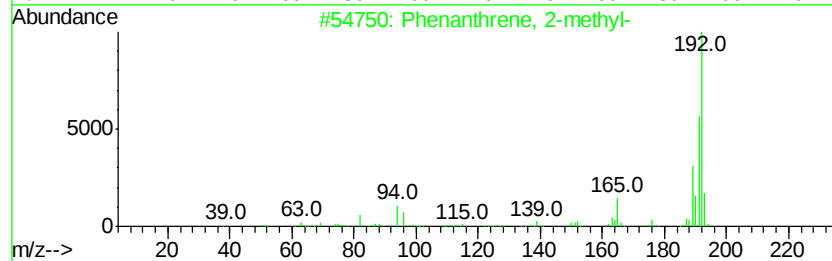
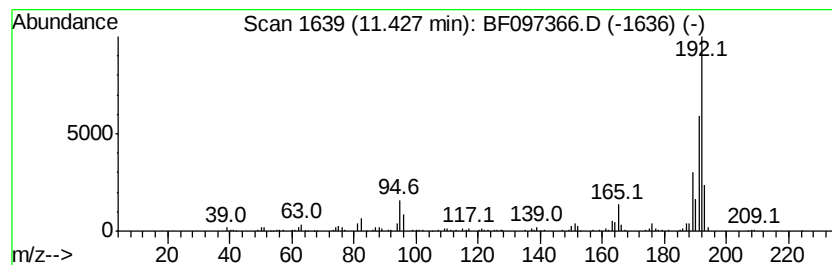
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.43	5.39 ng	235107	Phenanthrene-d10	10.93	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097366.D
Acq On : 4 Aug 2017 20:07
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Misc :
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Instrument :
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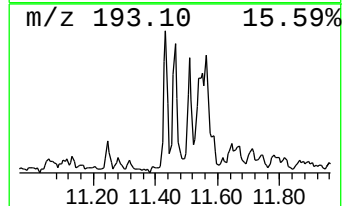
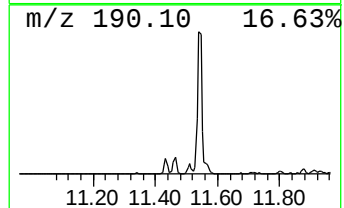
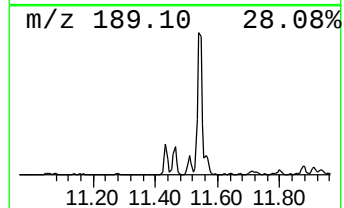
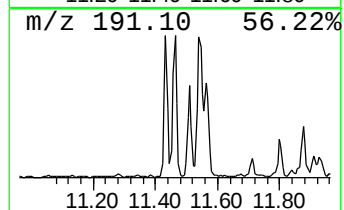
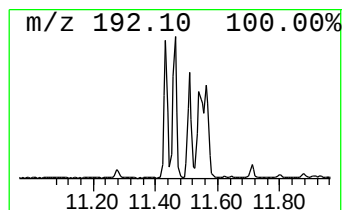
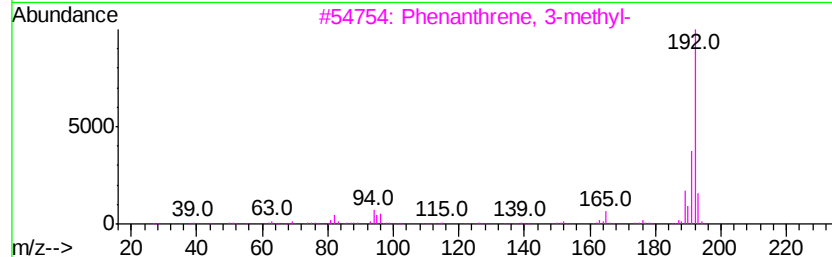
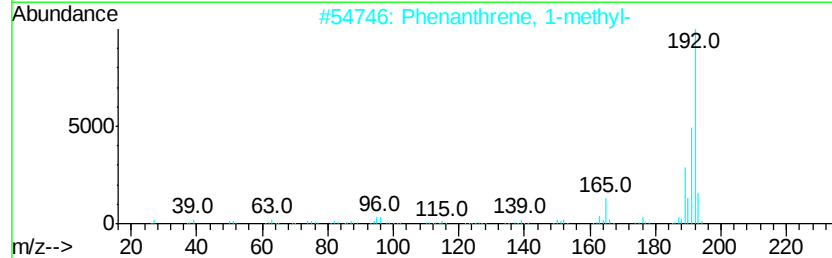
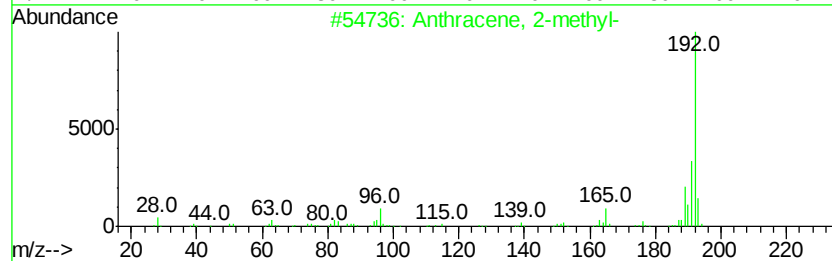
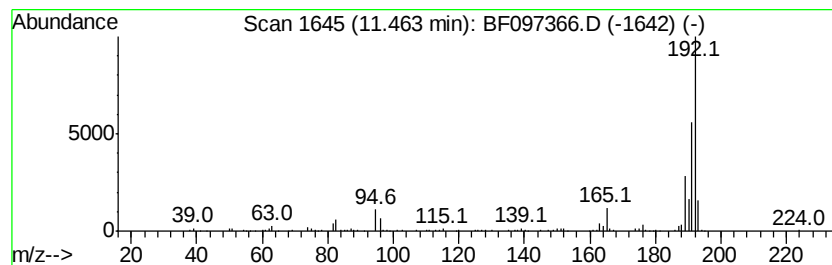
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	5.08 ng	221406	Phenanthrene-d10	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097366.D
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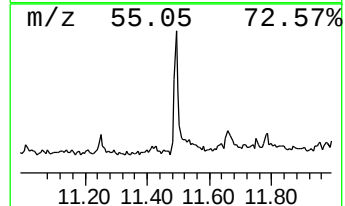
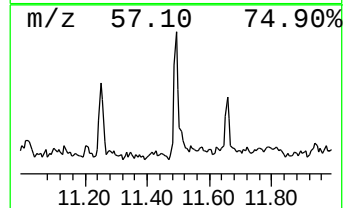
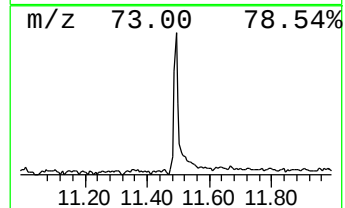
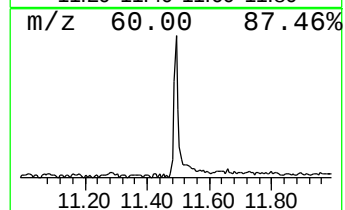
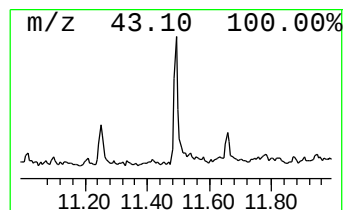
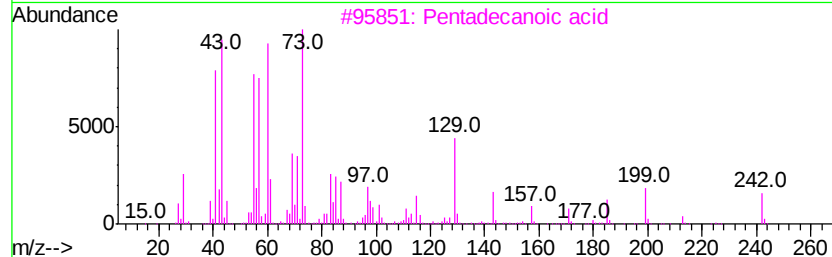
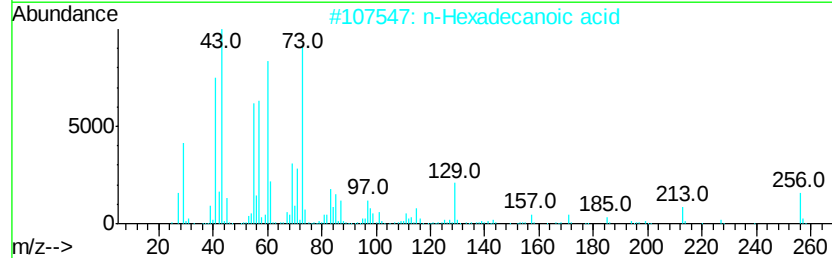
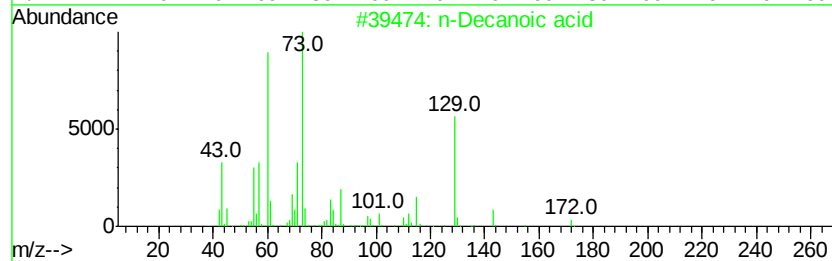
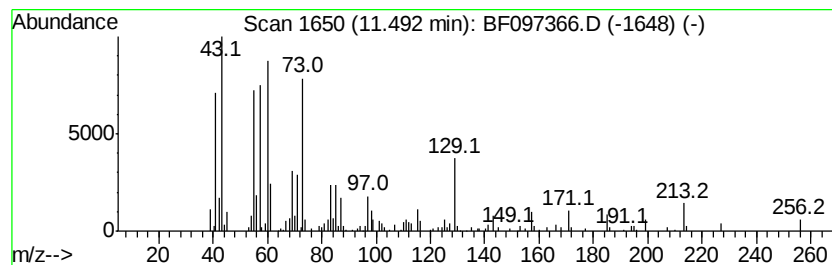
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 n-Decanoic acid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	3.40 ng	148191	Phenanthrene-d10	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	83
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4	Tridecanoic acid	214	C13H26O2	000638-53-9	53
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
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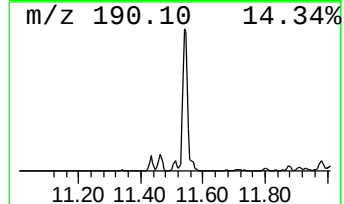
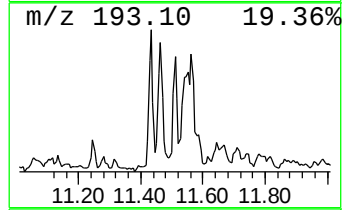
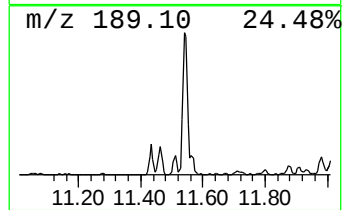
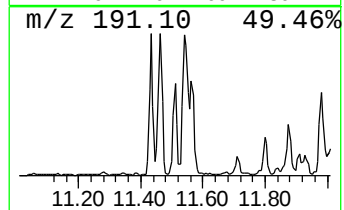
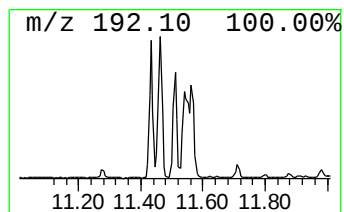
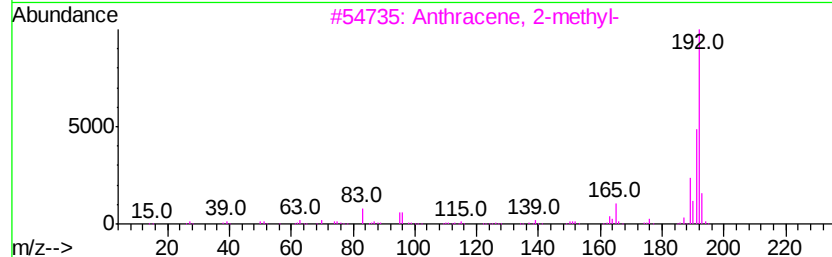
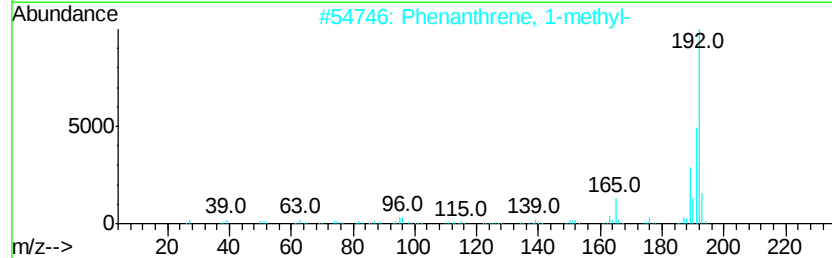
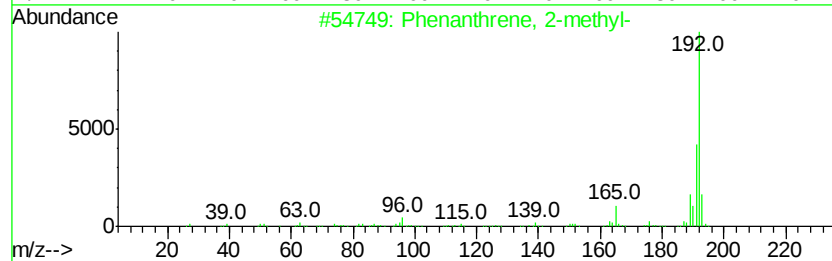
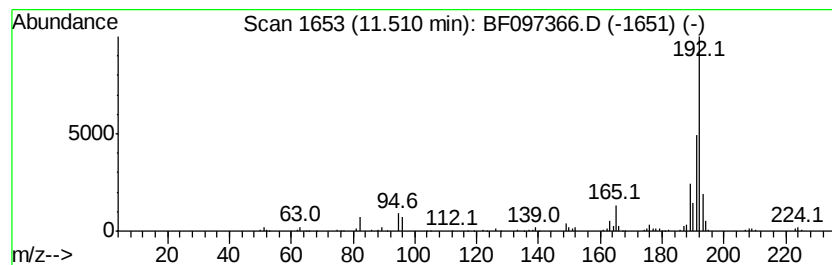
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	3.65 ng	158853	Phenanthrene-d10	10.93

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	96
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097366.D
Acq On : 4 Aug 2017 20:07
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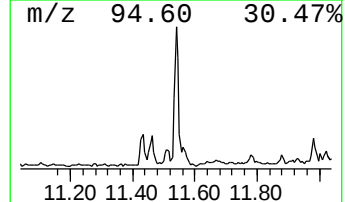
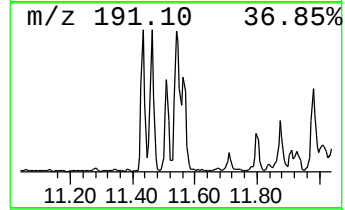
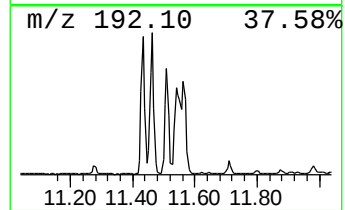
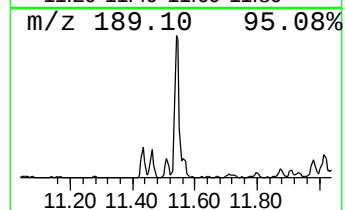
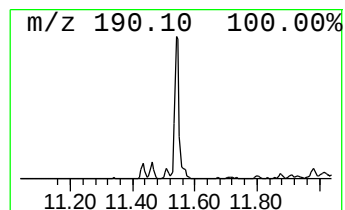
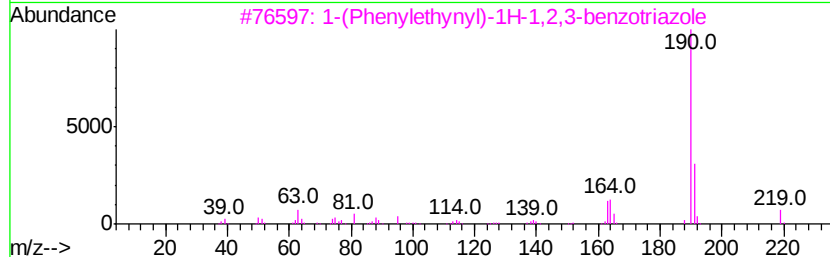
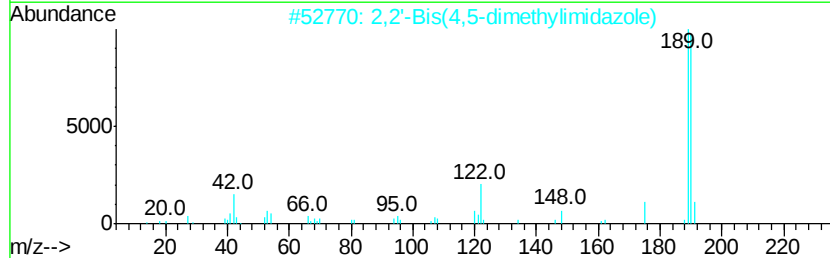
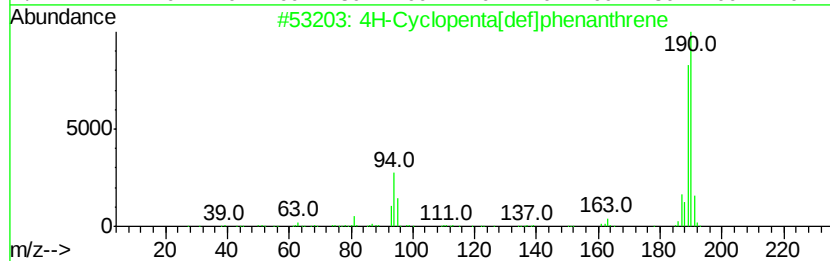
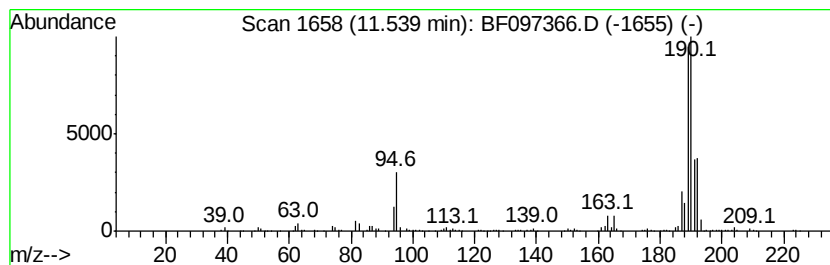
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	13.69 ng	596807	Phenanthrene-d10	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
3		1-(Phenylethynyl)-1H-1,2,3-benzo...	219	C14H9N3	209912-23-2	16
4		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	16
5		Hydrazinecarboxaldehyde, 2-[3-(m...	190	C4H6N4O5	038362-25-3	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097366.D
Acq On : 4 Aug 2017 20:07
Operator : SJ/JU
Sample : I4585-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

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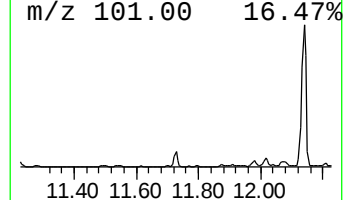
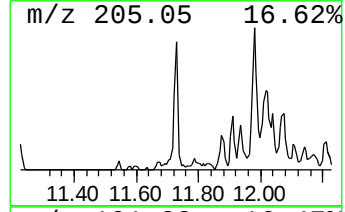
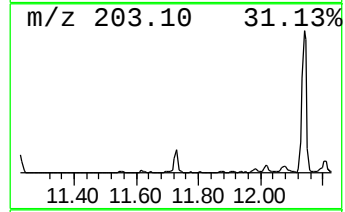
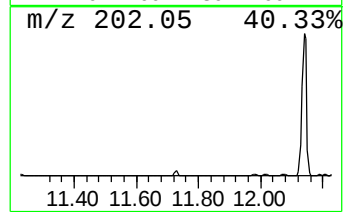
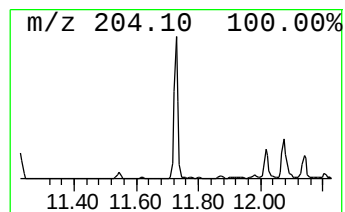
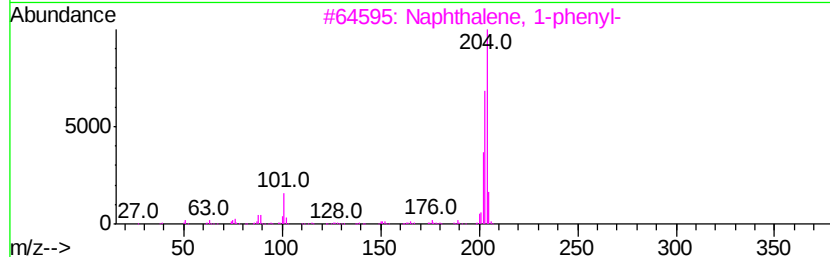
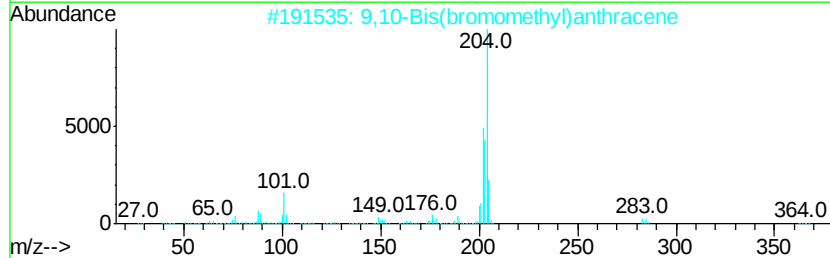
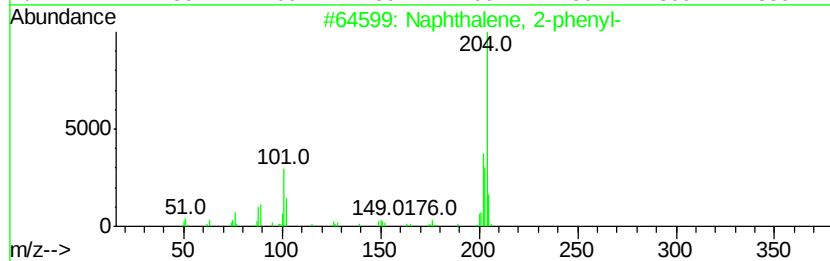
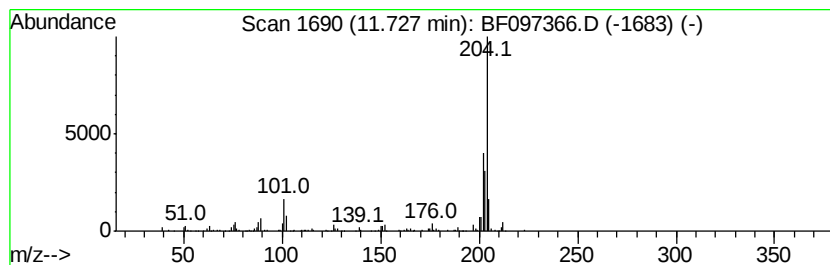
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	6.39 ng	278282	Phenanthrene-d10	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
4		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
5		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
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ALS Vial : 16 Sample Multiplier: 1

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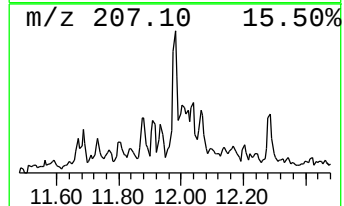
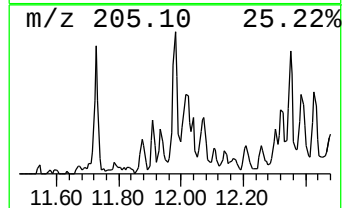
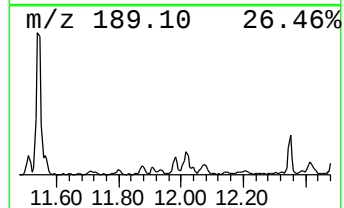
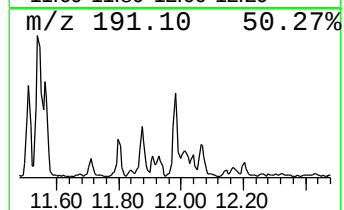
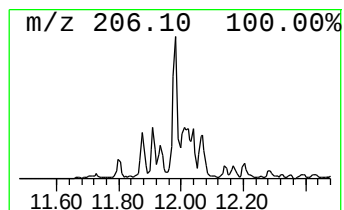
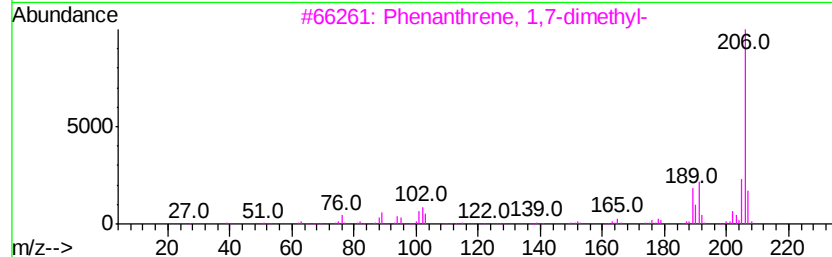
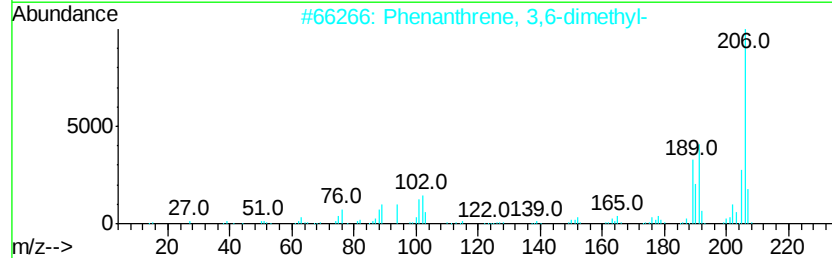
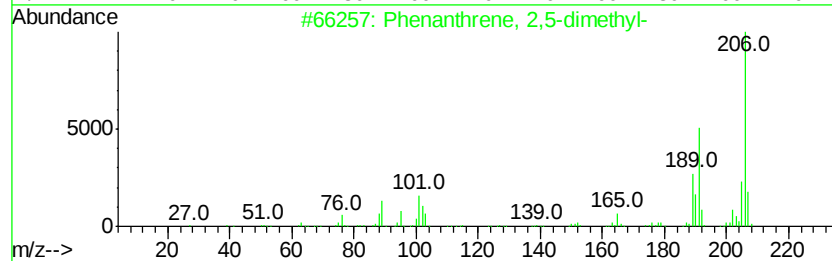
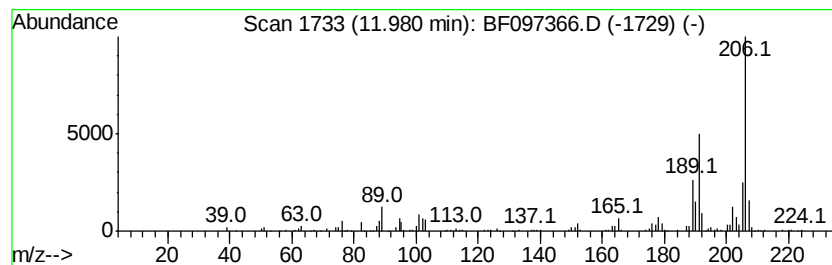
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	5.13 ng	223375	Phenanthrene-d10	10.93

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
5			9,10-Dimethylantracene	206	C16H14	000781-43-1	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
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Acq On : 4 Aug 2017 20:07
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Sample : I4585-01
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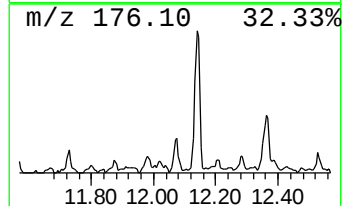
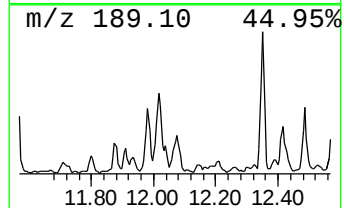
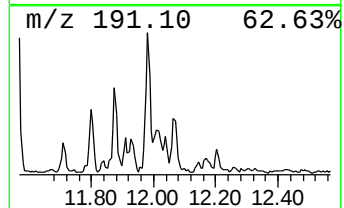
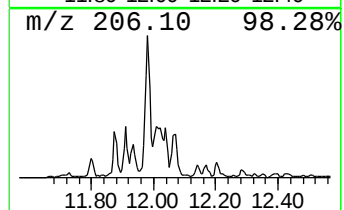
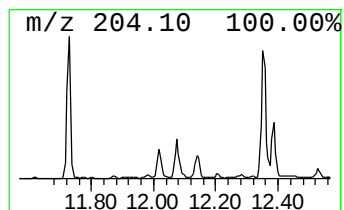
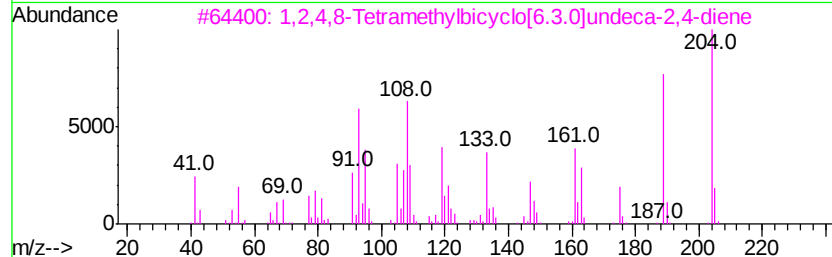
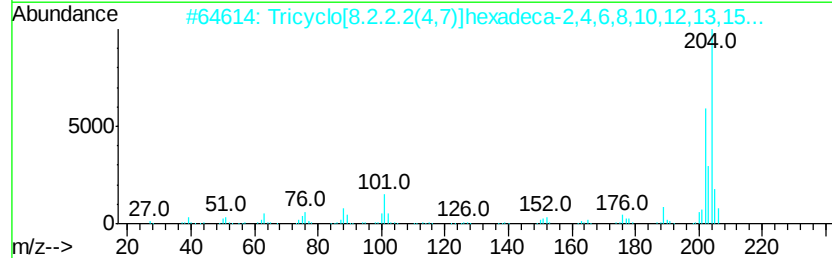
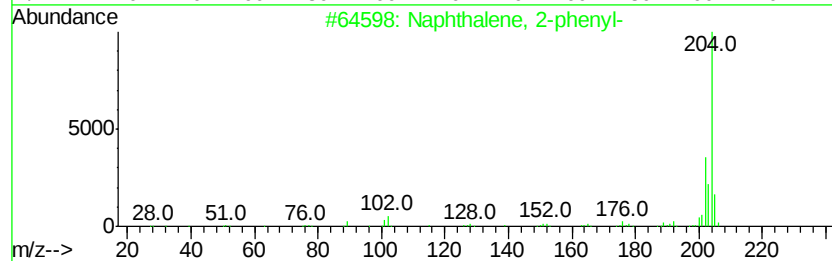
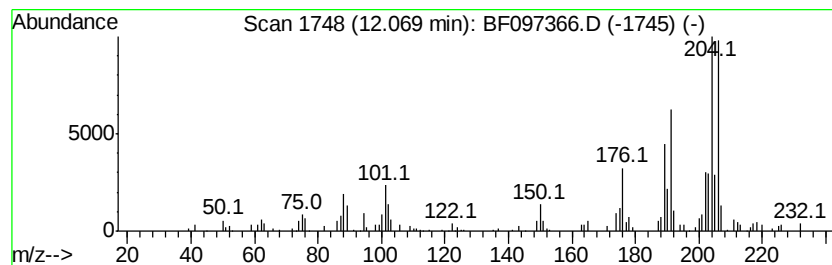
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.07	3.55 ng	154808	Phenanthrene-d10	10.93	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
4	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
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Acq On : 4 Aug 2017 20:07
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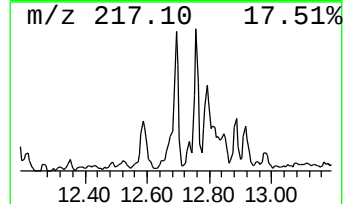
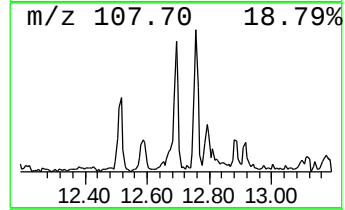
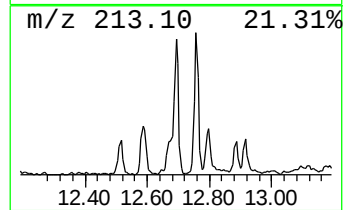
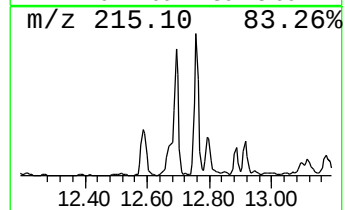
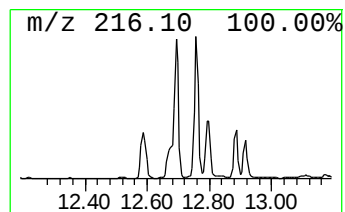
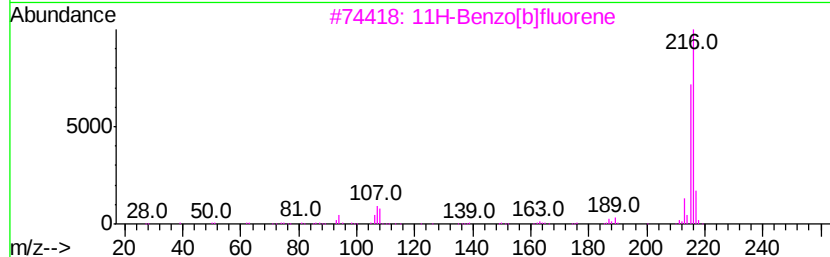
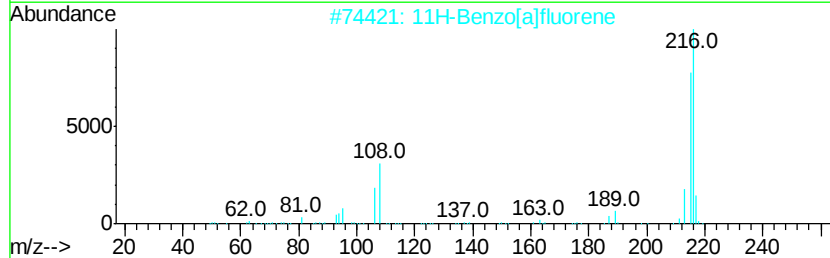
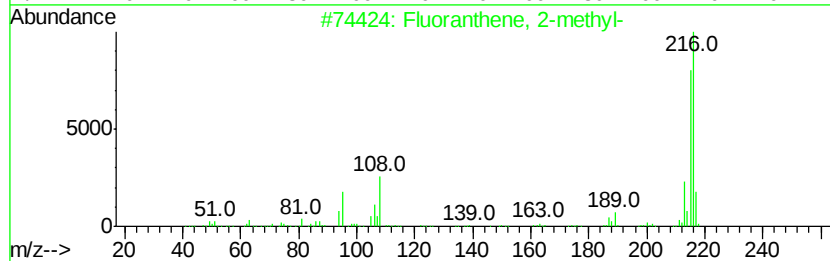
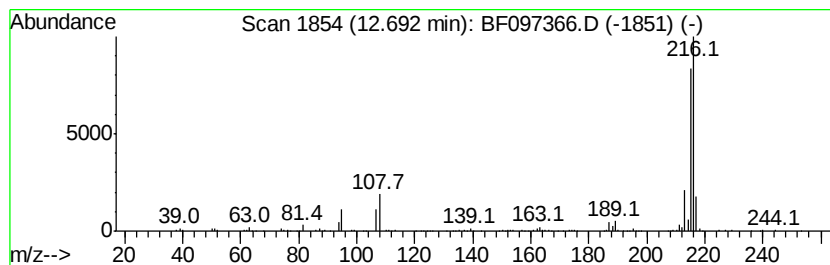
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	5.20 ng	478506	Chrysene-d12	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097366.D
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Operator : SJ/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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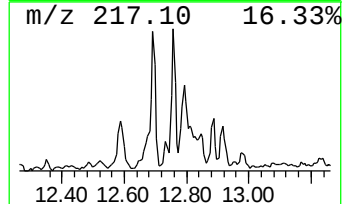
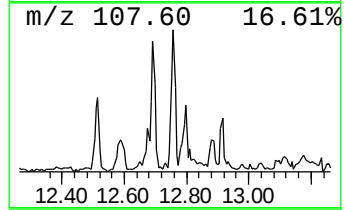
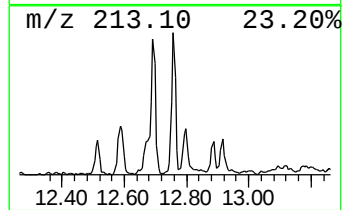
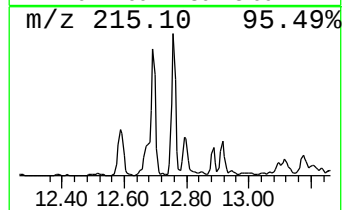
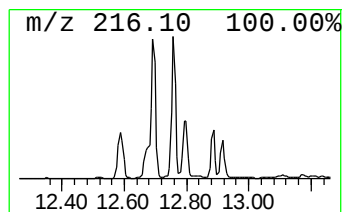
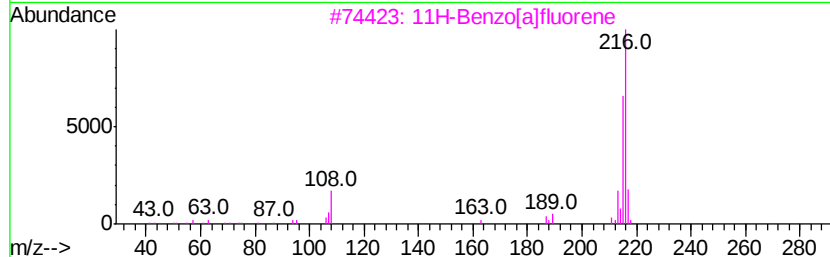
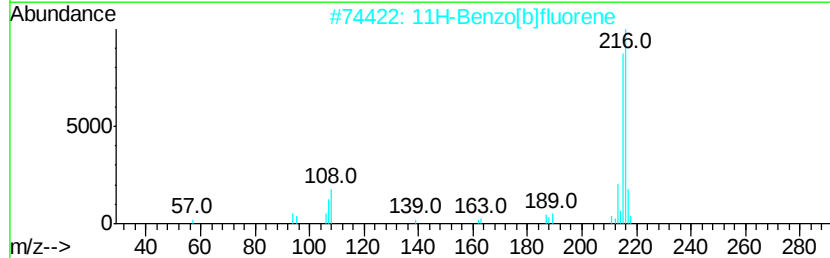
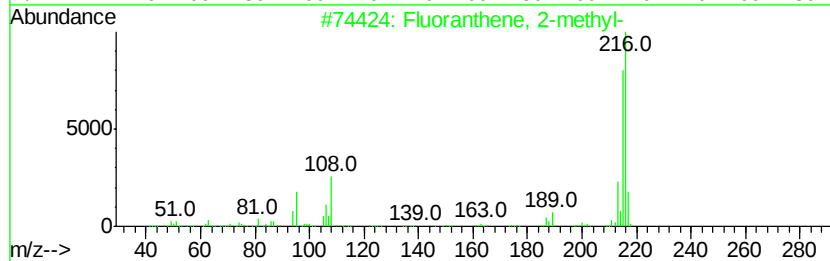
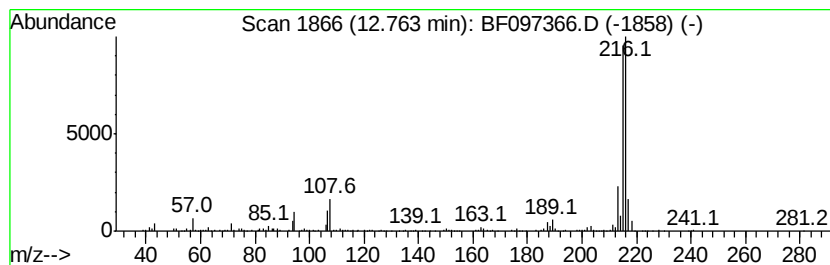
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	6.07 ng	558601	Chrysene-d12	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
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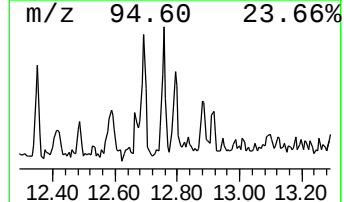
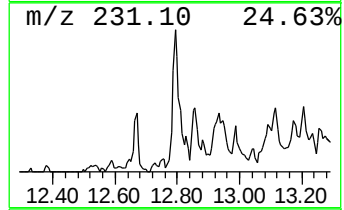
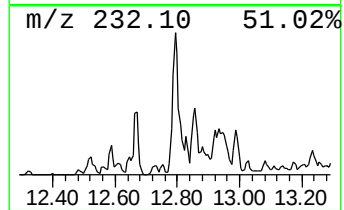
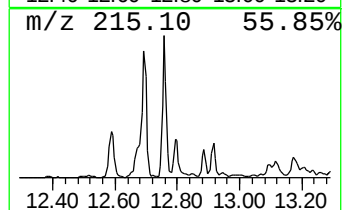
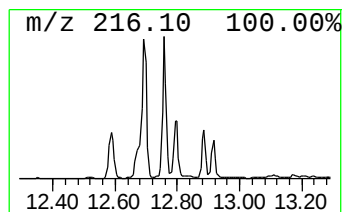
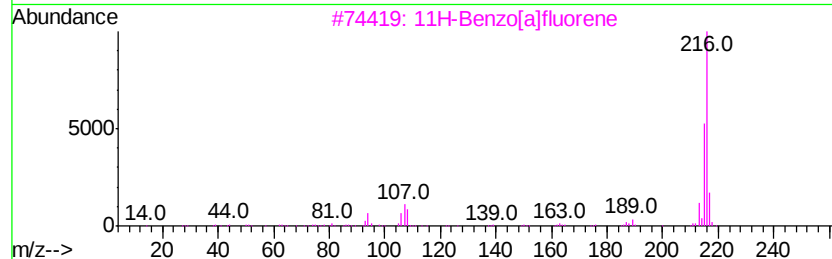
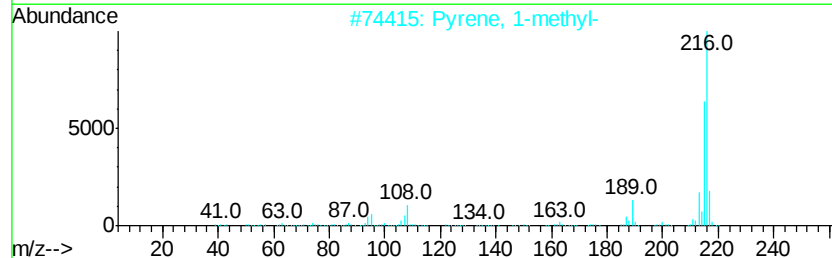
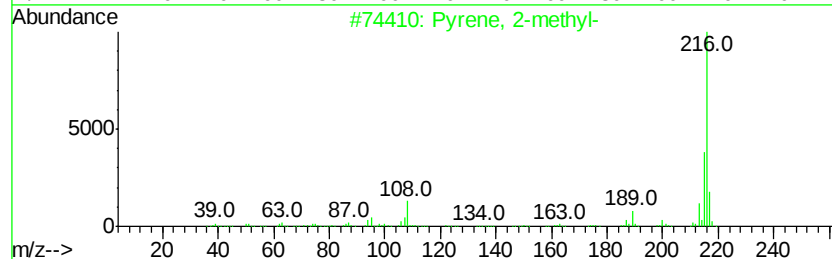
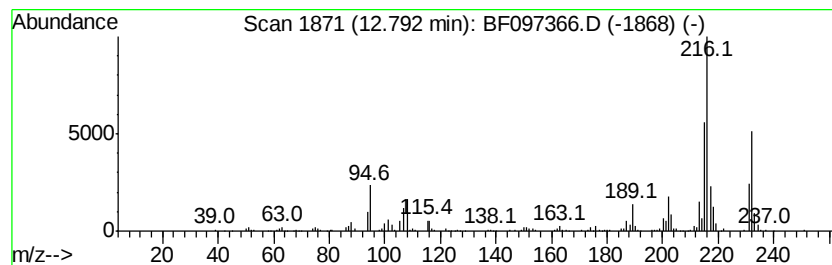
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	3.54 ng	325824	Chrysene-d12	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
3		11H-Benzo[<i>a</i>]fluorene	216	C17H12	000238-84-6	64
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	50
5		1,3-Dihydro-5,6-dimethyl-1-(2-pr...	216	C12H12N2S	080276-22-8	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
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 ALS Vial : 16 Sample Multiplier: 1

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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unknown6.22	6.22	67.4	ng	2548210	1	6.44	756633	20.0
9H-Fluorene, 2-me...	10.55	4.5	ng	195086	4	10.93	871591	20.0
Naphtho[2,1-b]thi...	10.83	3.5	ng	152745	4	10.93	871591	20.0
4-Methylnaphtho[1...	11.26	3.7	ng	162698	4	10.93	871591	20.0
Phenanthrene, 2-m...	11.43	5.4	ng	235107	4	10.93	871591	20.0
Anthracene, 2-met...	11.46	5.1	ng	221406	4	10.93	871591	20.0
n-Decanoic acid	11.49	3.4	ng	148191	4	10.93	871591	20.0
Phenanthrene, 1-m...	11.51	3.6	ng	158853	4	10.93	871591	20.0
4H-Cyclopenta[def...	11.54	13.7	ng	596807	4	10.93	871591	20.0
Naphthalene, 2-ph...	11.73	6.4	ng	278282	4	10.93	871591	20.0
Phenanthrene, 2,5...	11.98	5.1	ng	223375	4	10.93	871591	20.0
Tricyclo[8.2.2.2(...	12.07	3.5	ng	154808	4	10.93	871591	20.0
Fluoranthene, 2-m...	12.69	5.2	ng	478506	5	13.56	1839910	20.0
11H-Benzo[b]fluorene	12.76	6.1	ng	558601	5	13.56	1839910	20.0
Pyrene, 2-methyl-	12.79	3.5	ng	325824	5	13.56	1839910	20.0