

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097182.D
 Acq On : 29 Jul 2017 4:24
 Operator : SJ/JU
 Sample : I4380-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3(0-10)COMP

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	2.640	126	128	165	rBV	49680	274677	11.37%	0.701%
2	4.628	463	466	477	rBV	154166	231044	9.57%	0.589%
3	5.087	540	544	558	rBV	2224167	2414871	100.00%	6.159%
4	6.157	721	726	740	rBV	1931349	2397742	99.29%	6.115%
5	6.263	740	744	751	rVB	2334744	2291844	94.91%	5.845%
6	6.487	778	782	792	rBV	745817	629833	26.08%	1.606%
7	6.645	805	809	812	rBV	1735591	1543493	63.92%	3.936%
8	7.057	874	879	882	rBV	1490573	1341604	55.56%	3.422%
9	7.698	984	988	996	rBV	23749	33140	1.37%	0.085%
10	7.769	996	1000	1003	rBV	950953	772638	32.00%	1.971%
11	8.486	1117	1122	1125	rBV	44670	43786	1.81%	0.112%
12	8.581	1135	1138	1143	rVB	84209	68015	2.82%	0.173%
13	8.851	1179	1184	1187	rBV	2092037	1958182	81.09%	4.994%
14	8.945	1198	1200	1205	rVB	62271	47905	1.98%	0.122%
15	9.104	1224	1227	1232	rBV	59119	79494	3.29%	0.203%
16	9.181	1236	1240	1243	rVV	113803	112749	4.67%	0.288%
17	9.204	1243	1244	1248	rVV	63219	53356	2.21%	0.136%
18	9.245	1248	1251	1256	rVV	437754	338825	14.03%	0.864%
19	9.298	1256	1260	1266	rVB	51957	62859	2.60%	0.160%
20	9.375	1270	1273	1281	rVB	165569	142845	5.92%	0.364%
21	9.516	1292	1297	1300	rBV	766306	686680	28.44%	1.751%
22	9.545	1300	1302	1307	rVB	220739	181579	7.52%	0.463%
23	9.722	1328	1332	1335	rBV	213582	191040	7.91%	0.487%
24	9.763	1335	1339	1342	rVB	42974	41406	1.71%	0.106%
25	9.833	1347	1351	1354	rBV2	41114	42183	1.75%	0.108%
26	9.928	1362	1367	1368	rBV	31614	39066	1.62%	0.100%
27	9.969	1372	1374	1377	rVB	49483	35541	1.47%	0.091%
28	10.057	1386	1389	1393	rBV	379761	329264	13.63%	0.840%
29	10.128	1396	1401	1402	rBV	27962	38708	1.60%	0.099%
30	10.216	1414	1416	1419	rBV	90615	79802	3.30%	0.204%
31	10.298	1427	1430	1436	rBV	1050411	1046029	43.32%	2.668%
32	10.439	1448	1454	1460	rBV2	71905	104506	4.33%	0.267%
33	10.604	1478	1482	1485	rBV2	62258	78858	3.27%	0.201%
34	10.739	1500	1505	1506	rBV2	47630	52858	2.19%	0.135%

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35	10.798	1513	1515	1520	rVB	99986	98953	4.10%	0.252%
36	10.845	1520	1523	1526	rBV	57992	60557	2.51%	0.154%
37	10.886	1526	1530	1533	rVV	248144	210705	8.73%	0.537%
38	10.992	1544	1548	1549	rBV	640166	607765	25.17%	1.550%
39	11.016	1549	1552	1555	rVV	2331869	2347410	97.21%	5.987%
40	11.063	1555	1560	1564	rVB	632953	601792	24.92%	1.535%
41	11.104	1564	1567	1570	rBV	41341	40314	1.67%	0.103%
42	11.227	1585	1588	1590	rVB	156442	123417	5.11%	0.315%
43	11.286	1596	1598	1600	rBV	57451	47498	1.97%	0.121%
44	11.398	1613	1617	1620	rVB2	24837	33300	1.38%	0.085%
45	11.492	1629	1633	1635	rBV	219986	207615	8.60%	0.529%
46	11.516	1635	1637	1640	rVV	269670	256736	10.63%	0.655%
47	11.545	1640	1642	1643	rVV	71488	53484	2.21%	0.136%
48	11.563	1643	1645	1648	rVV	121333	109788	4.55%	0.280%
49	11.598	1648	1651	1654	rVV	438032	417705	17.30%	1.065%
50	11.622	1654	1655	1661	rVB	153172	109556	4.54%	0.279%
51	11.786	1679	1683	1686	rBV	202448	179603	7.44%	0.458%
52	11.816	1686	1688	1691	rVB	81700	64687	2.68%	0.165%
53	11.963	1711	1713	1716	rBV	38516	36650	1.52%	0.093%
54	11.992	1716	1718	1721	rVB	38210	32512	1.35%	0.083%
55	12.039	1721	1726	1728	rBV	105386	118938	4.93%	0.303%
56	12.074	1728	1732	1734	rVV2	72475	81622	3.38%	0.208%
57	12.127	1738	1741	1747	rBV2	120052	146763	6.08%	0.374%
58	12.204	1749	1754	1757	rBV	2204672	2259332	93.56%	5.762%
59	12.263	1757	1764	1767	rBV2	60046	79758	3.30%	0.203%
60	12.292	1767	1769	1772	rVB2	46854	44322	1.84%	0.113%
61	12.339	1772	1777	1780	rBV2	153293	183376	7.59%	0.468%
62	12.427	1786	1792	1795	rBV2	1956567	2387636	98.87%	6.089%
63	12.474	1798	1800	1806	rVB2	95903	111961	4.64%	0.286%
64	12.545	1808	1812	1813	rBV	129133	113828	4.71%	0.290%
65	12.574	1813	1817	1823	rVB	1749911	1710456	70.83%	4.362%
66	12.645	1823	1829	1832	rBV3	109672	192181	7.96%	0.490%
67	12.674	1832	1834	1836	rVB2	65401	53329	2.21%	0.136%
68	12.733	1836	1844	1845	rBV4	109277	173229	7.17%	0.442%
69	12.751	1845	1847	1851	rVB	239349	209238	8.66%	0.534%
70	12.816	1851	1858	1861	rBV	191988	226877	9.39%	0.579%
71	12.851	1861	1864	1868	rVB	163947	159159	6.59%	0.406%

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72	12.945	1877	1880	1883	rVB2	97761	85421	3.54%	0.218%
73	12.974	1883	1885	1889	rBV2	108484	120833	5.00%	0.308%
74	13.063	1898	1900	1904	rVB3	43933	43493	1.80%	0.111%
75	13.133	1908	1912	1914	rBV4	62805	108367	4.49%	0.276%
76	13.263	1931	1934	1938	rVB	77927	81281	3.37%	0.207%
77	13.363	1947	1951	1953	rBV	144962	155515	6.44%	0.397%
78	13.392	1953	1956	1958	rVB	117279	102142	4.23%	0.260%
79	13.416	1958	1960	1962	rBV	119475	100555	4.16%	0.256%
80	13.469	1967	1969	1970	rBV	122923	96076	3.98%	0.245%
81	13.486	1970	1972	1978	rVB4	105650	148156	6.14%	0.378%
82	13.610	1986	1993	1997	rBV3	1080586	1773364	73.44%	4.523%
83	13.645	1997	1999	2002	rVB	701811	555204	22.99%	1.416%
84	13.716	2008	2011	2015	rVB	218592	196041	8.12%	0.500%
85	13.763	2017	2019	2022	rBV2	51171	51776	2.14%	0.132%
86	13.810	2025	2027	2029	rBV	62177	45865	1.90%	0.117%
87	13.968	2052	2054	2056	rBV3	50727	42274	1.75%	0.108%
88	14.004	2057	2060	2062	rVB	115735	104437	4.32%	0.266%
89	14.121	2077	2080	2083	rBV2	117208	131942	5.46%	0.337%
90	14.310	2109	2112	2114	rBV2	71900	93429	3.87%	0.238%
91	14.468	2137	2139	2142	rVB2	74547	76518	3.17%	0.195%
92	14.610	2159	2163	2166	rBV	616607	885489	36.67%	2.258%
93	14.698	2175	2178	2183	rBV2	158967	179820	7.45%	0.459%
94	14.863	2202	2206	2211	rVB	369351	438707	18.17%	1.119%
95	14.915	2211	2215	2220	rVV	581836	602329	24.94%	1.536%
96	14.968	2220	2224	2226	rVV	319588	355294	14.71%	0.906%
97	14.992	2226	2228	2237	rVB	187521	210799	8.73%	0.538%
98	15.368	2289	2292	2296	rBV2	74228	118363	4.90%	0.302%
99	16.192	2427	2432	2436	rVB	211745	342437	14.18%	0.873%
100	16.557	2489	2494	2502	rVB	152164	285666	11.83%	0.729%

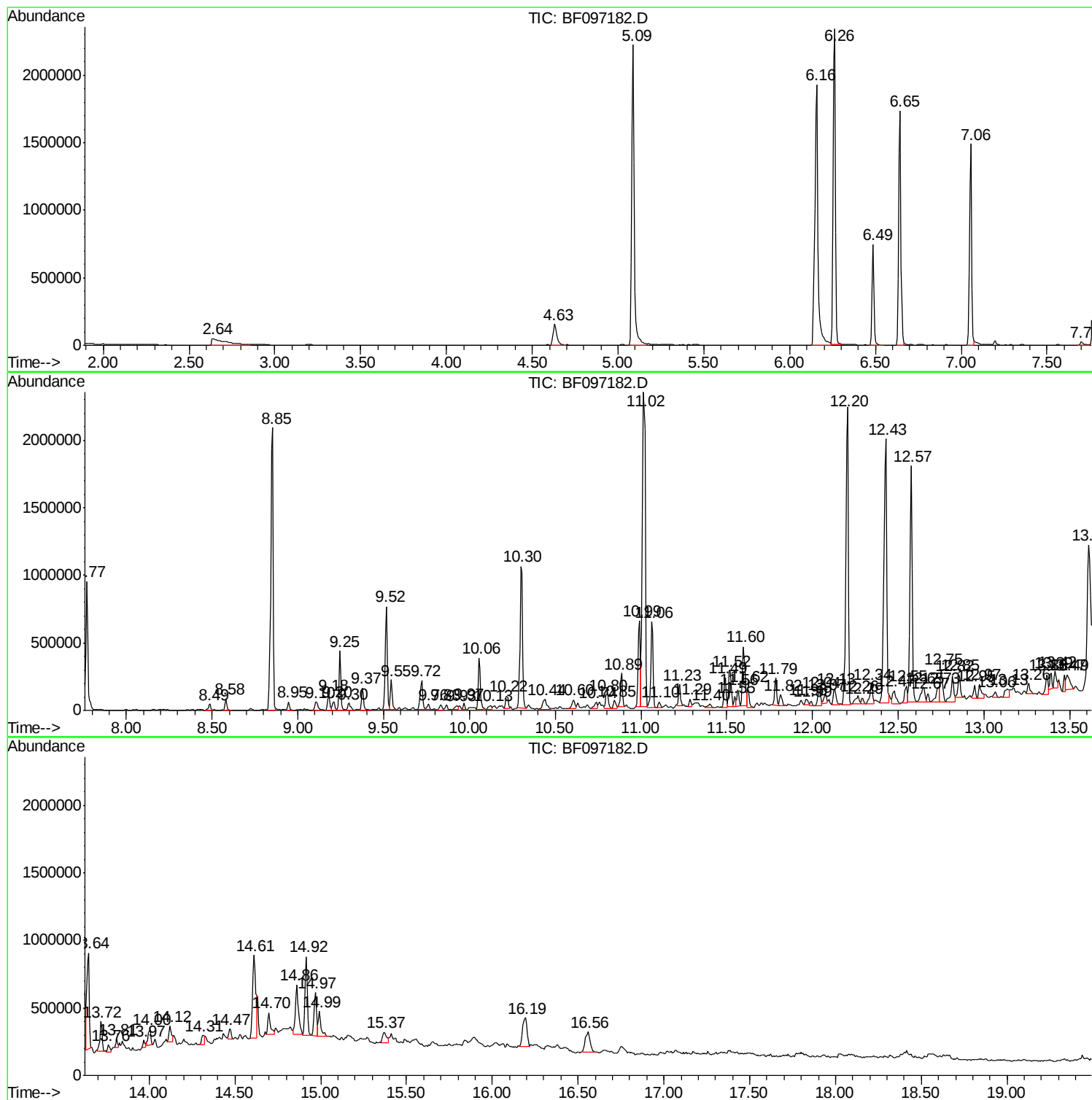
Sum of corrected areas: 39210067

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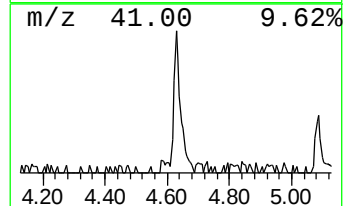
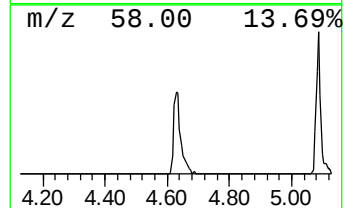
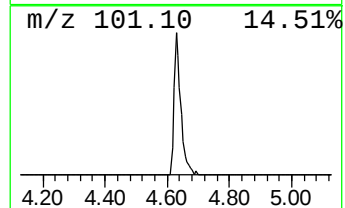
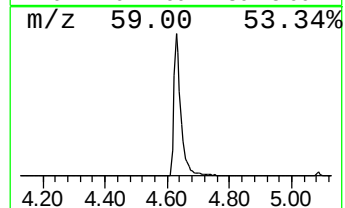
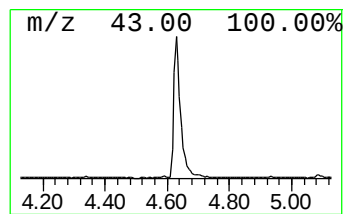
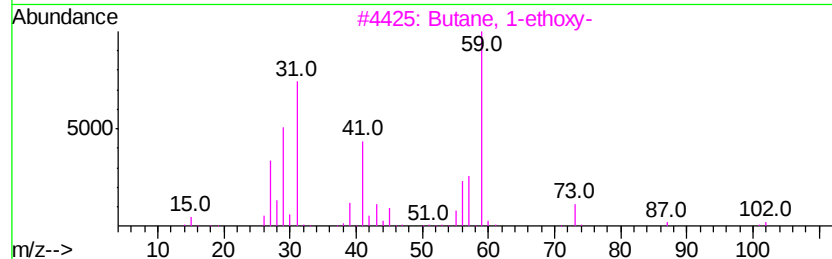
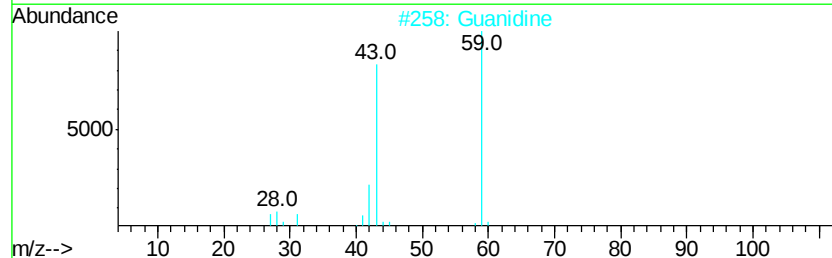
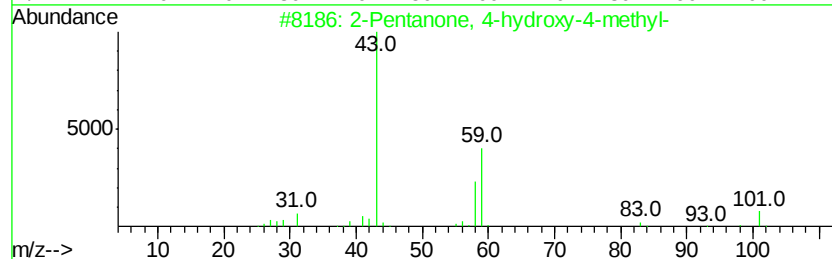
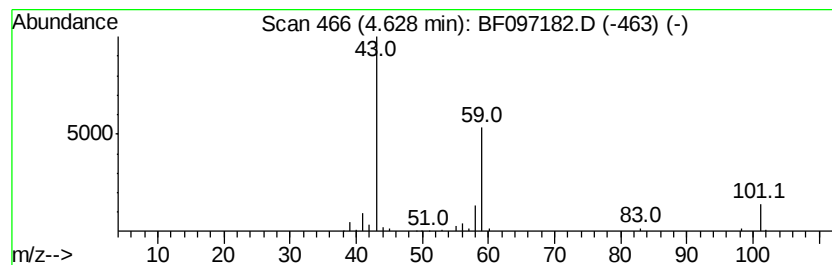
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	7.34 ng	231044	1,4-Dichlorobenzene-d4	6.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Guanidine	59	CH5N3	000113-00-8	9
3		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5		Propanoic acid, 2-nitro-, methyl...	133	C4H7NO4	006118-50-9	9



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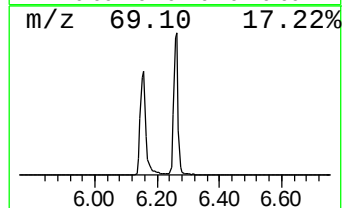
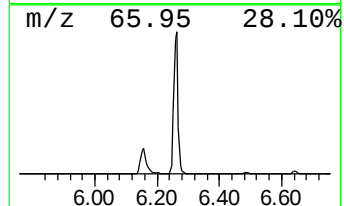
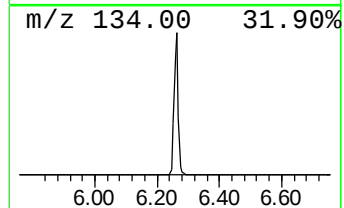
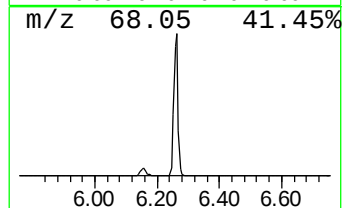
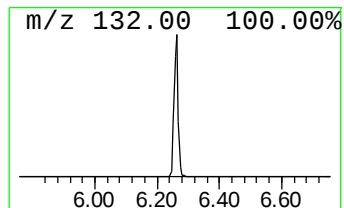
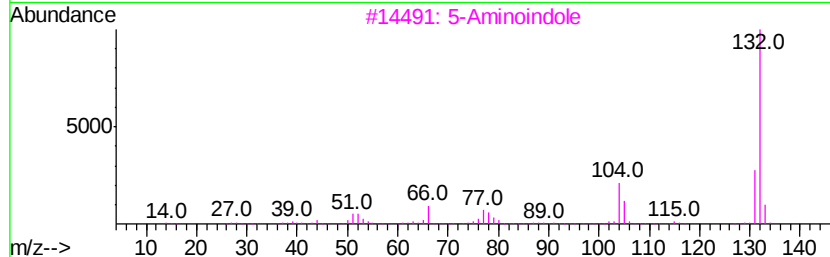
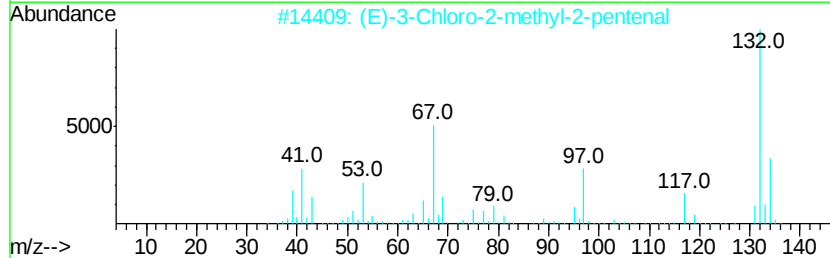
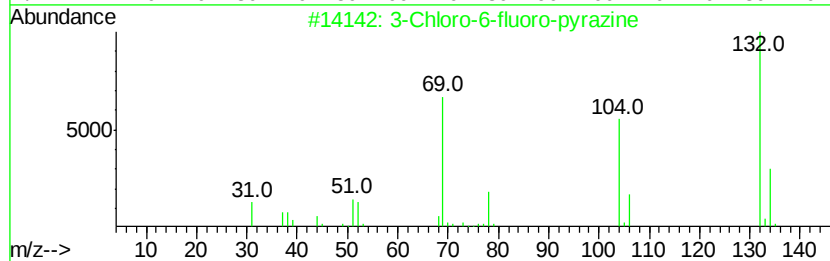
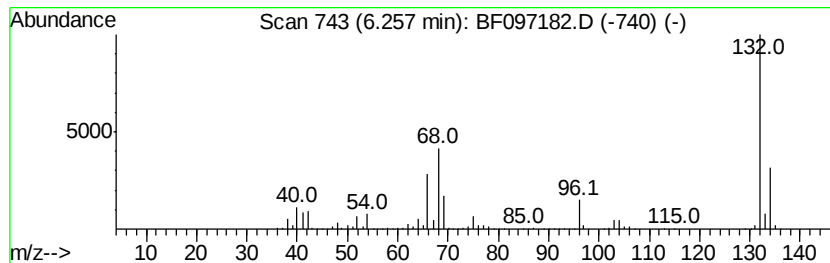
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 unknown6.26 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	72.78 ng	2291840	1,4-Dichlorobenzene-d4	6.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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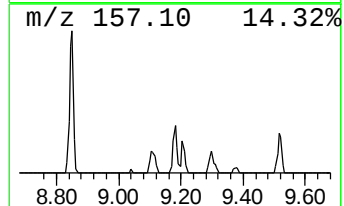
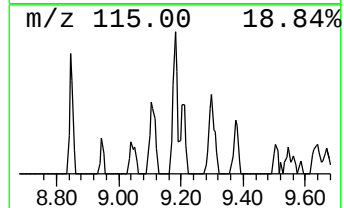
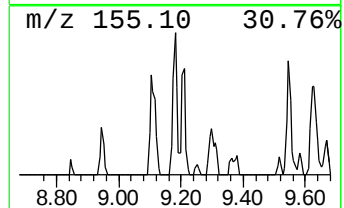
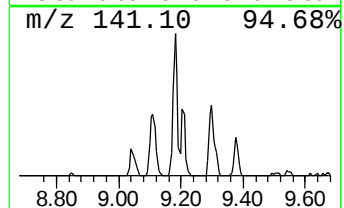
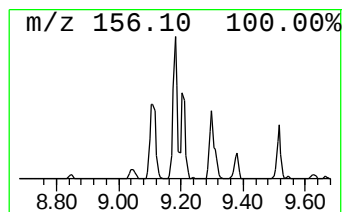
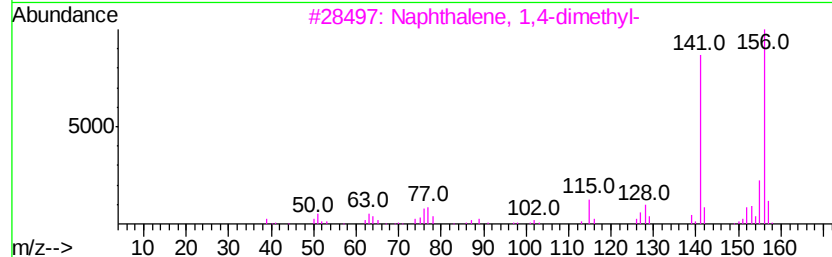
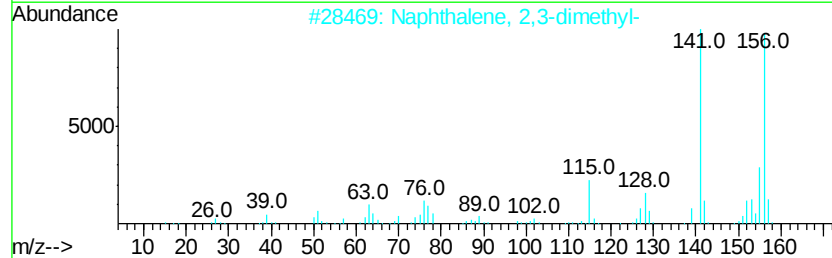
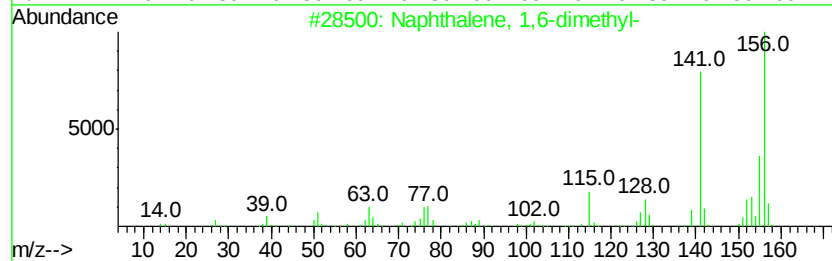
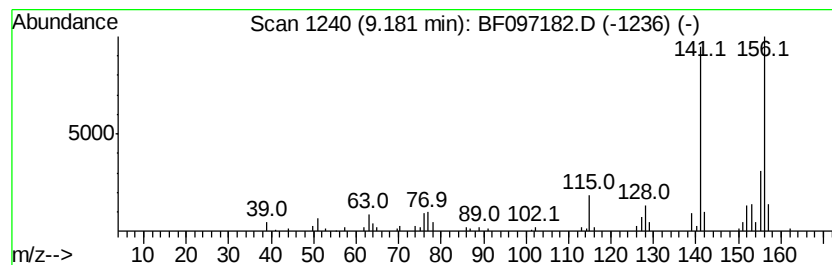
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TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	3.28 ng	112749	Acenaphthene-d10	9.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
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Acq On : 29 Jul 2017 4:24
Operator : SJ/JU
Sample : I4380-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

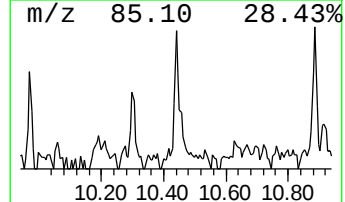
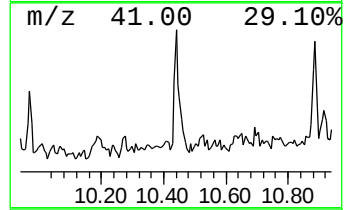
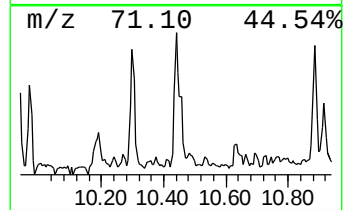
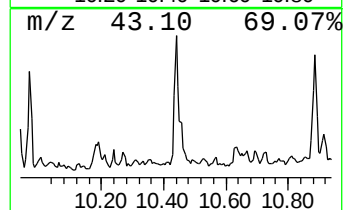
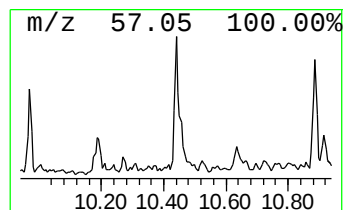
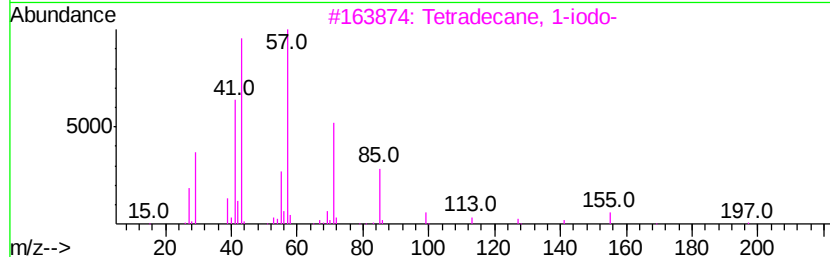
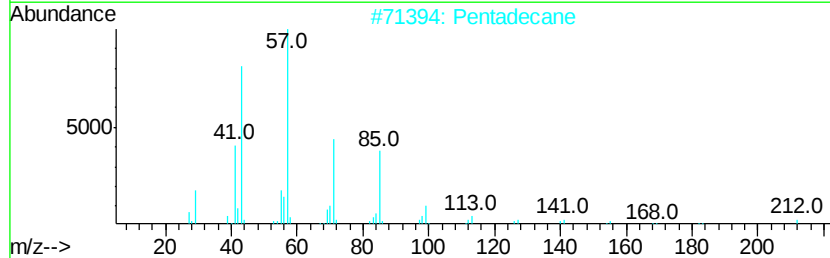
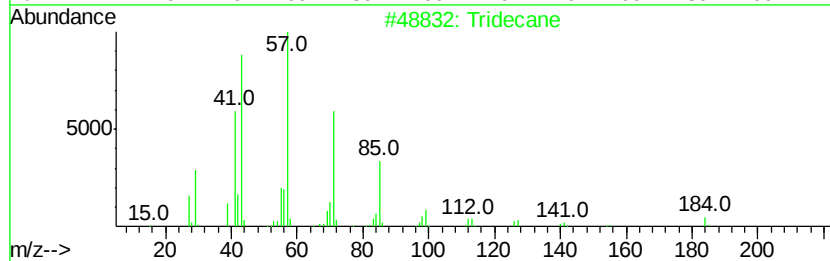
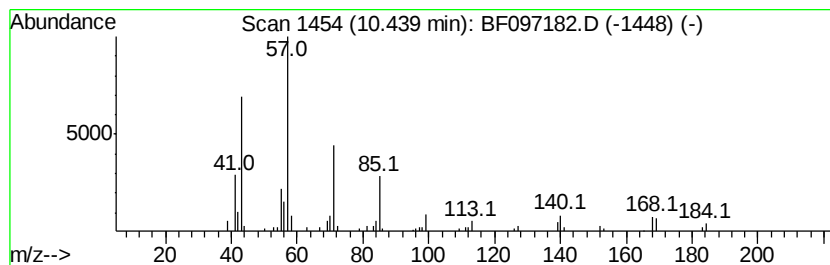
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tridecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.44	3.44 ng	104506	Phenanthrene-d10	10.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Pentadecane	212	C15H32	000629-62-9	72
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	64
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	64
5	Hexadecane	226	C16H34	000544-76-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
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Sample : I4380-02
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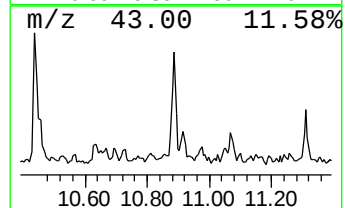
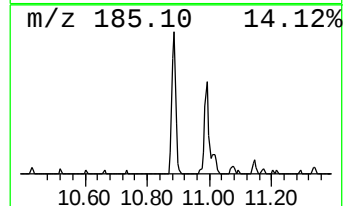
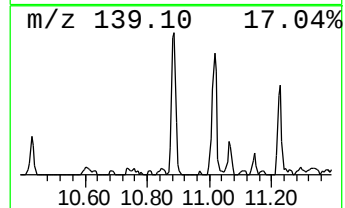
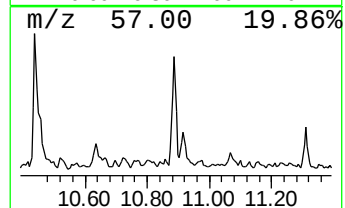
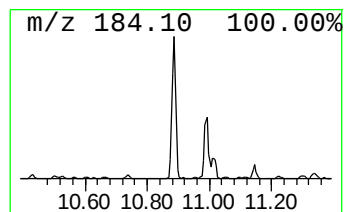
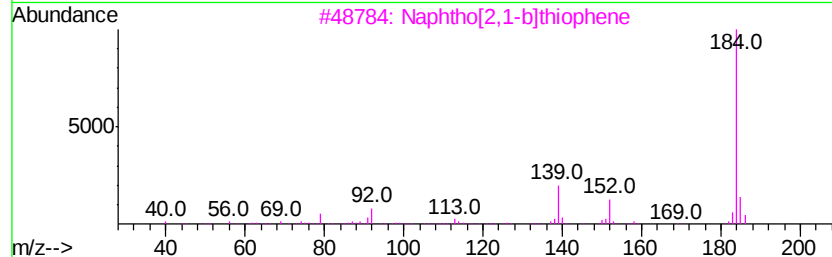
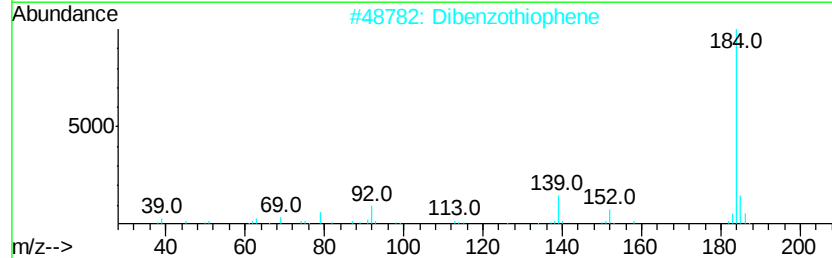
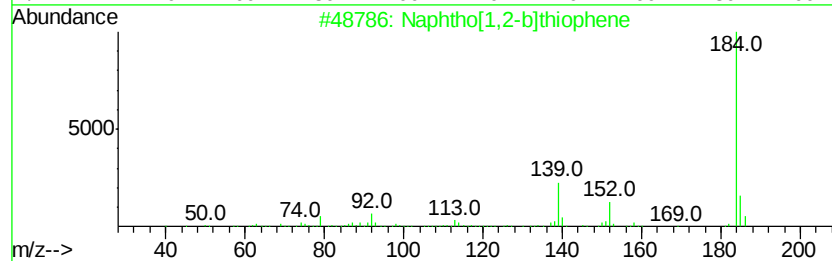
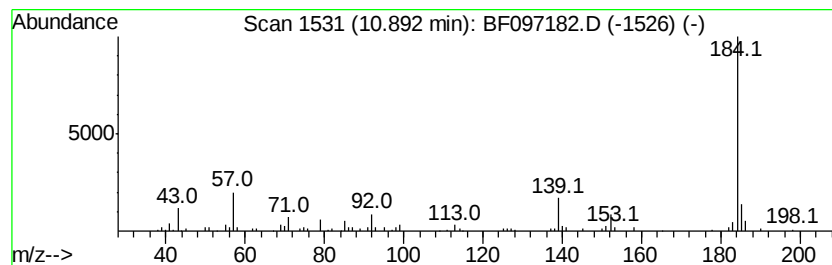
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphtho[1,2-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.89	6.93 ng	210705	Phenanthrene-d10		10.99	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	96
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097182.D
Acq On : 29 Jul 2017 4:24
Operator : SJ/JU
Sample : I4380-02
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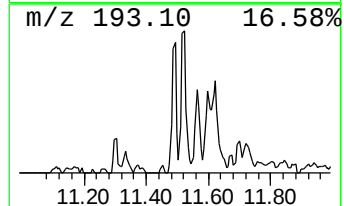
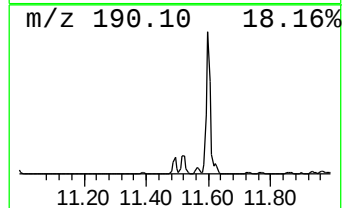
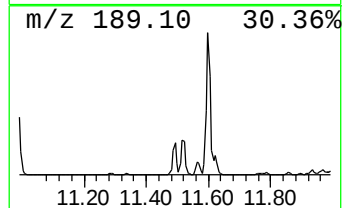
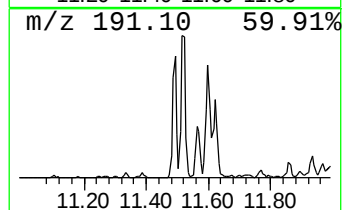
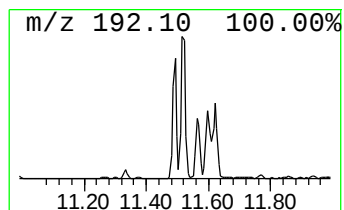
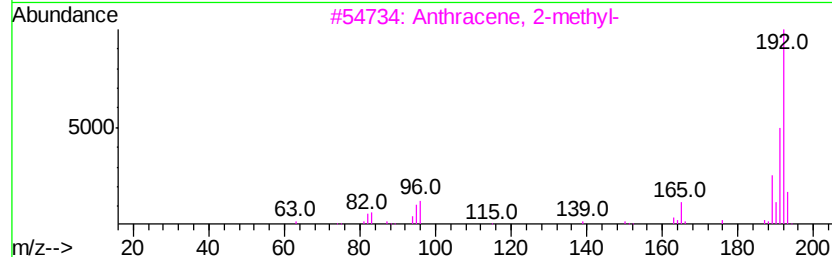
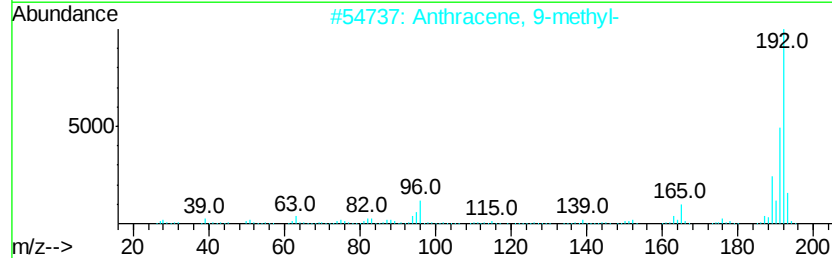
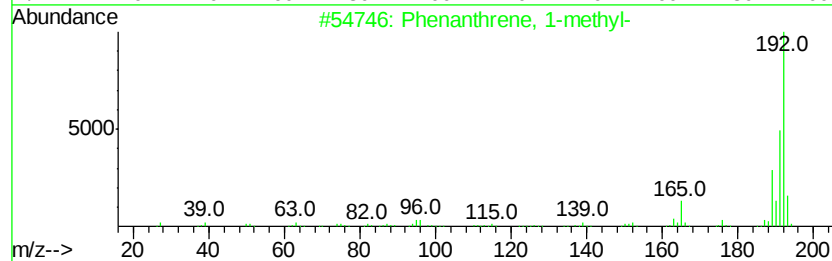
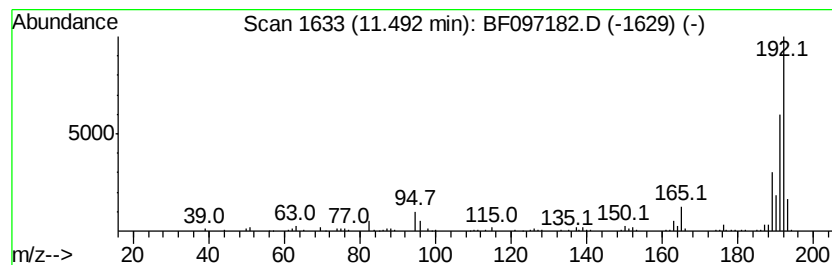
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.49	6.83 ng	207615	Phenanthrene-d10	10.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097182.D
Acq On : 29 Jul 2017 4:24
Operator : SJ/JU
Sample : I4380-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B3(0-10)COMP

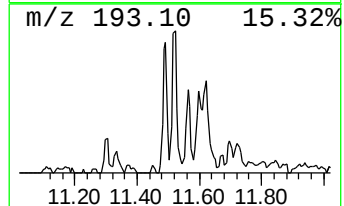
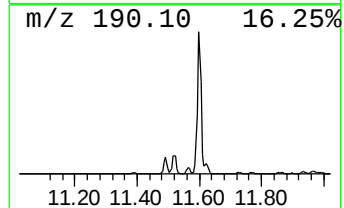
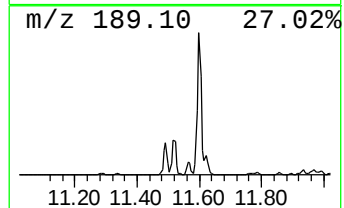
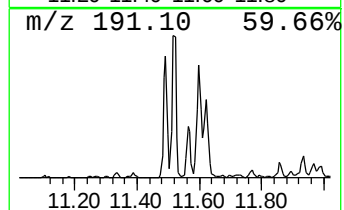
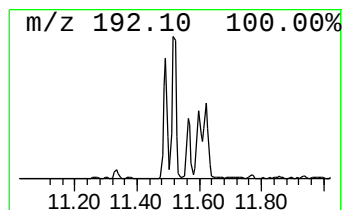
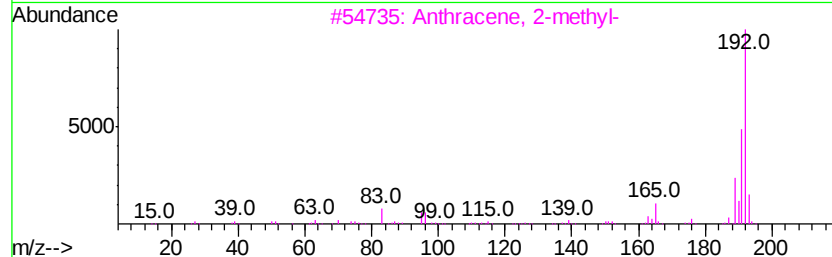
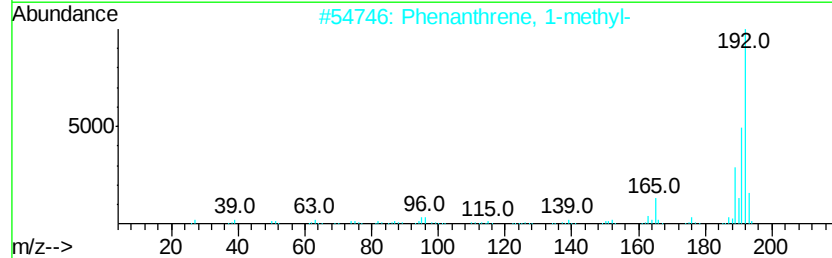
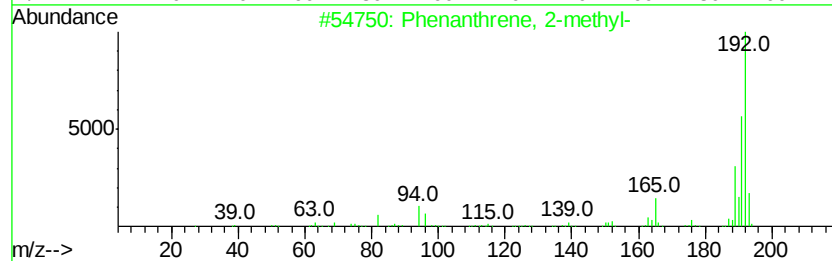
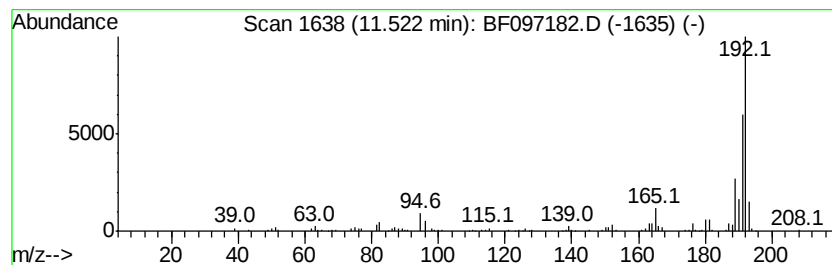
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	8.45 ng	256736	Phenanthrene-d10	10.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		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		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097182.D
Acq On : 29 Jul 2017 4:24
Operator : SJ/JU
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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B3(0-10)COMP

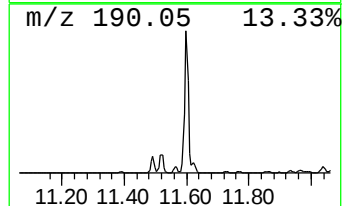
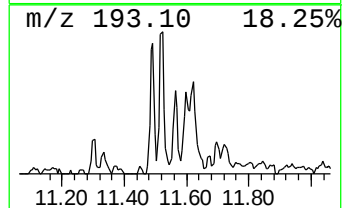
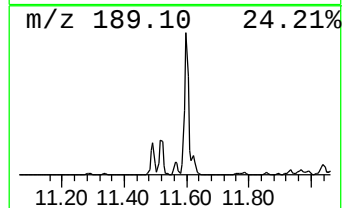
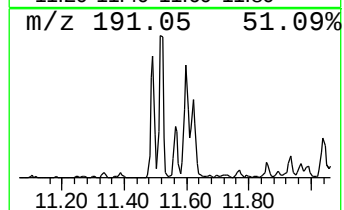
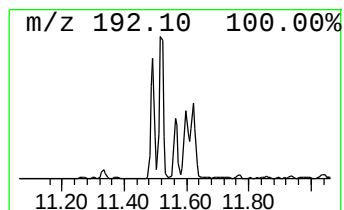
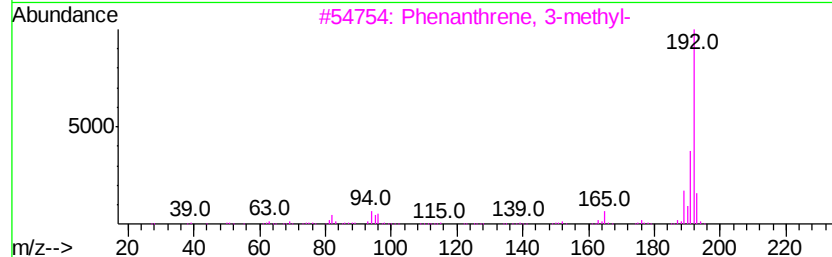
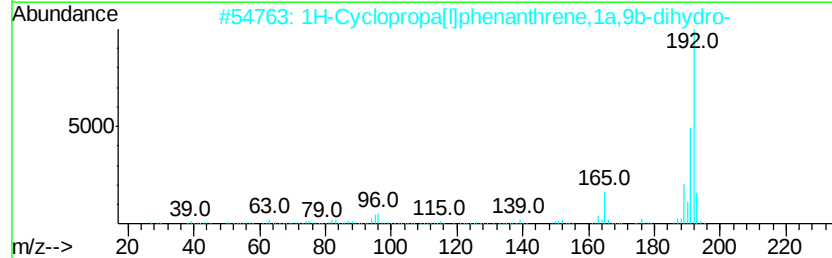
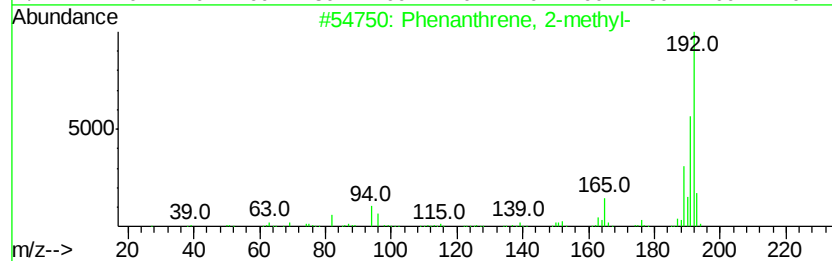
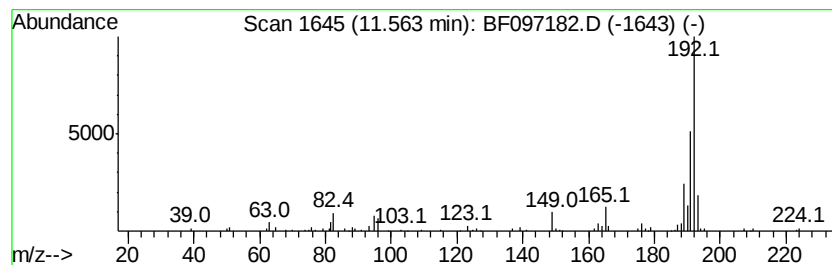
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	3.61 ng	109788	Phenanthrene-d10	10.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097182.D
Acq On : 29 Jul 2017 4:24
Operator : SJ/JU
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ALS Vial : 26 Sample Multiplier: 1

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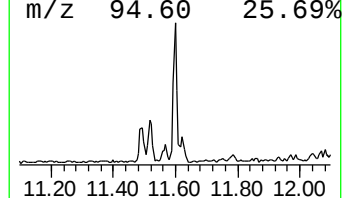
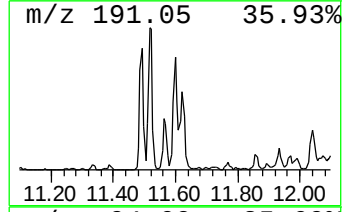
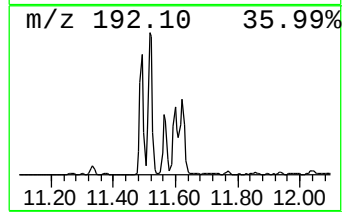
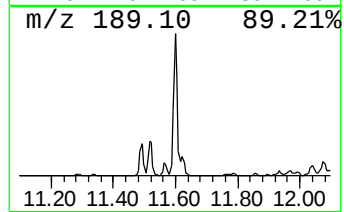
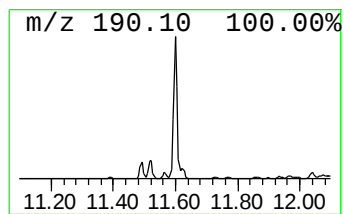
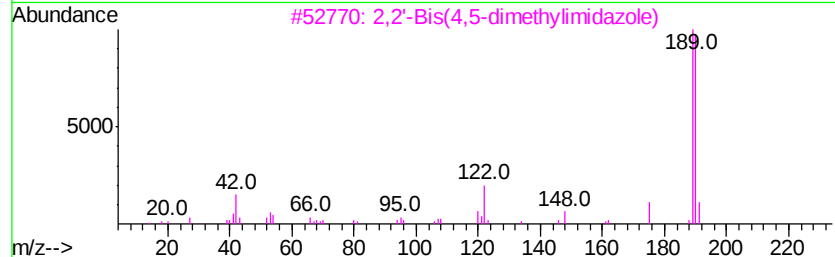
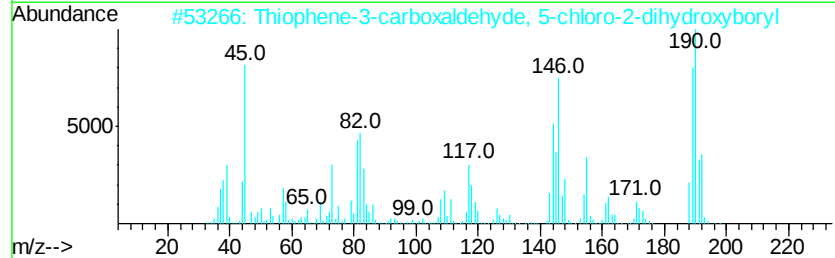
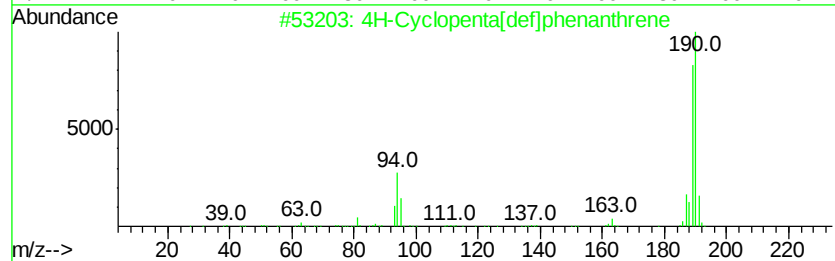
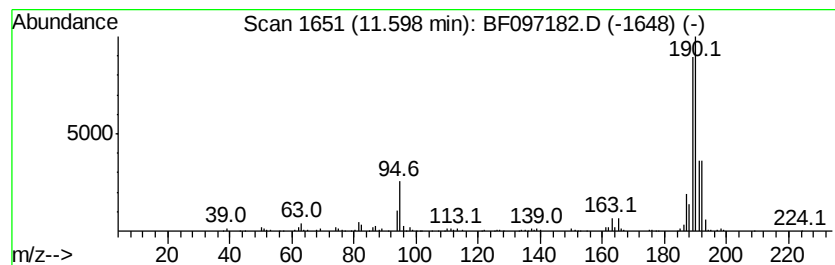
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	13.75 ng	417705	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4		6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	33
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097182.D
Acq On : 29 Jul 2017 4:24
Operator : SJ/JU
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Misc :
ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId :
B3(0-10)COMP

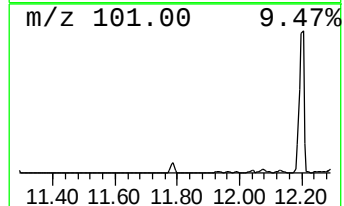
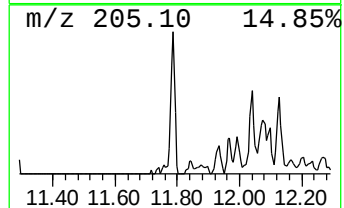
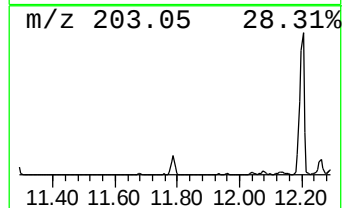
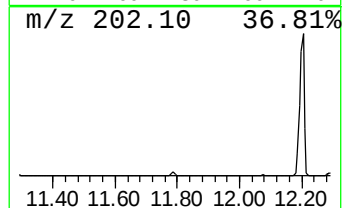
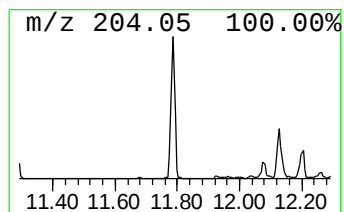
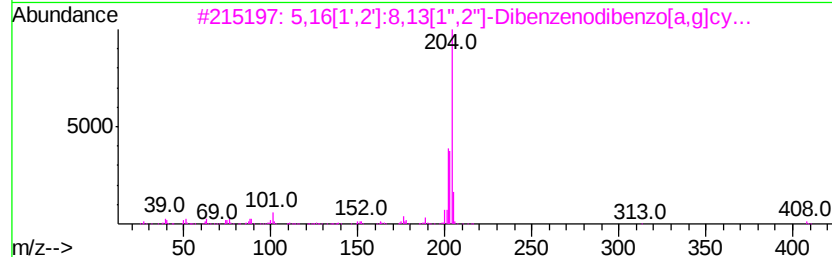
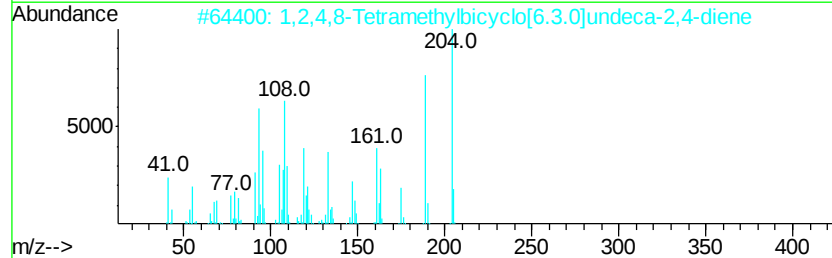
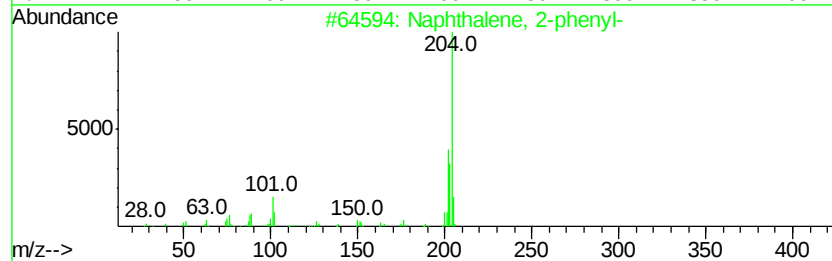
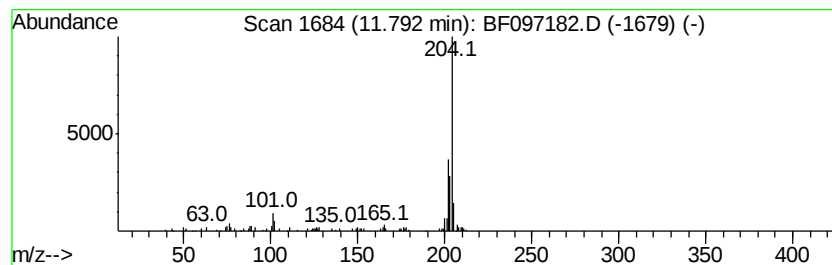
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	5.91 ng	179603	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	89
3		5,16[1',2']-8,13[1'',2'']-Dibenzodibenzo[a,g]cy...	408	C32H24	005672-97-9	87
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8,10,12,14,16-octa-	204	C16H12	006572-60-7	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097182.D
Acq On : 29 Jul 2017 4:24
Operator : SJ/JU
Sample : I4380-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

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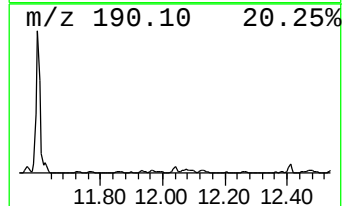
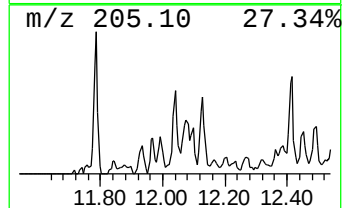
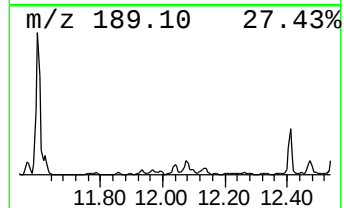
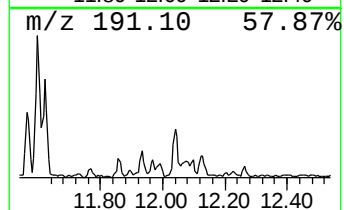
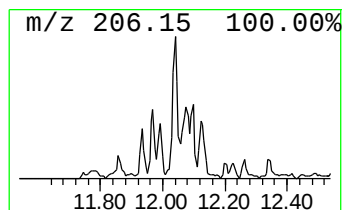
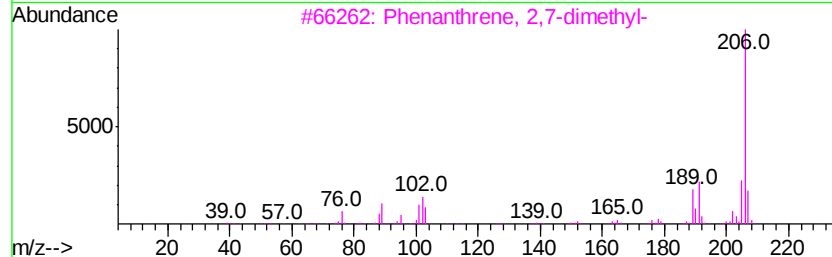
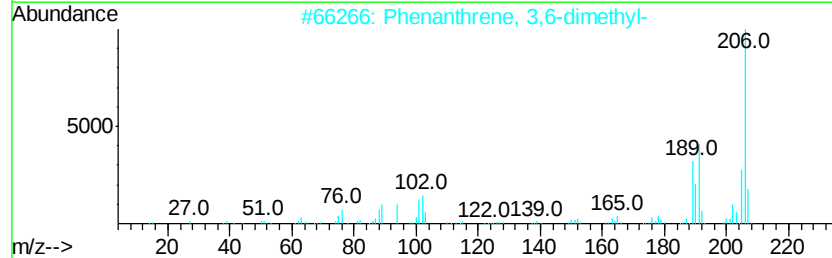
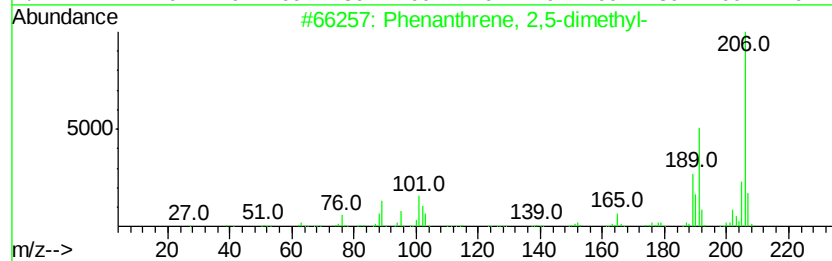
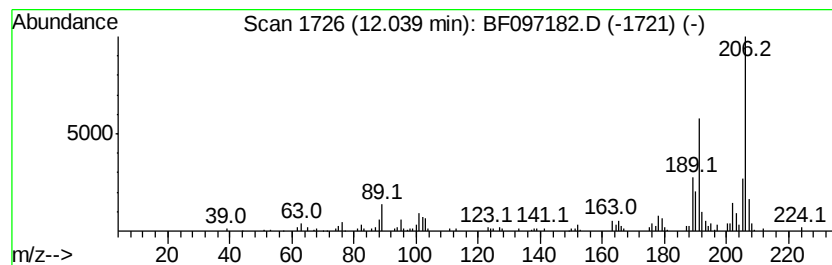
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	3.91 ng	118938	Phenanthrene-d10	10.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4			9,10-Dimethylantracene	206	C16H14	000781-43-1	89
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
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Operator : SJ/JU
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Misc :
ALS Vial : 26 Sample Multiplier: 1

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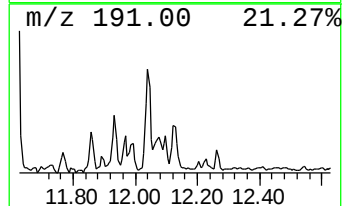
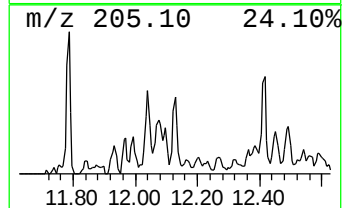
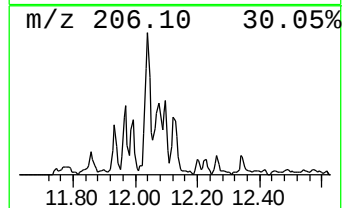
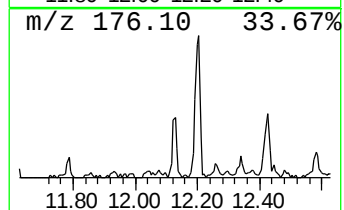
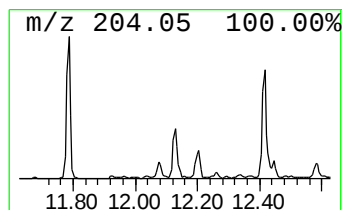
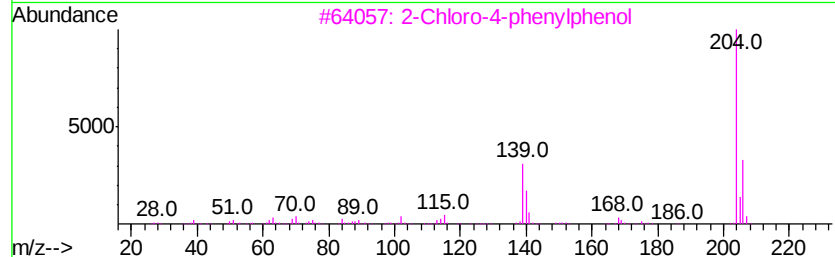
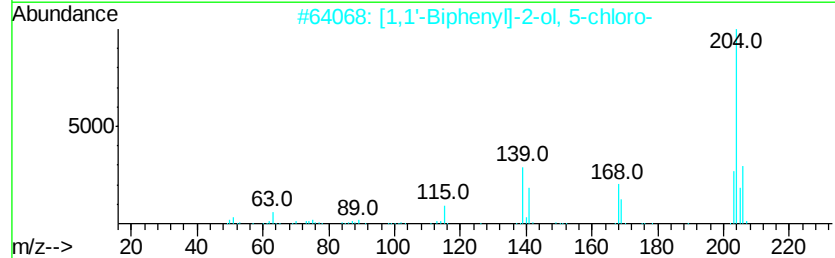
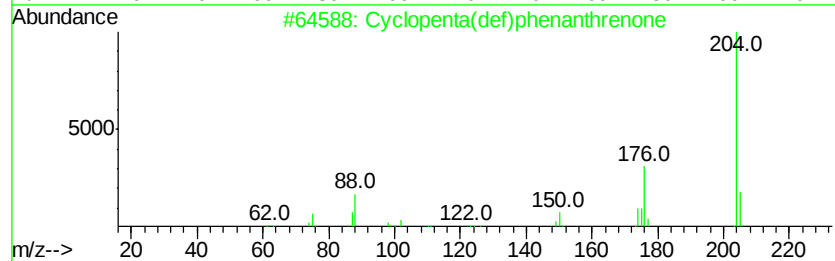
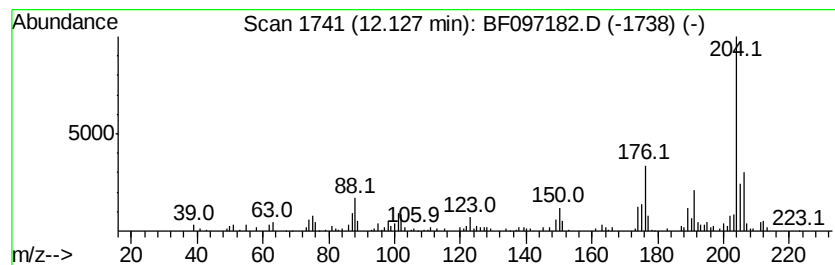
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	4.83 ng	146763	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
3		2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	46
4		Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	46
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46



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Misc :
ALS Vial : 26 Sample Multiplier: 1

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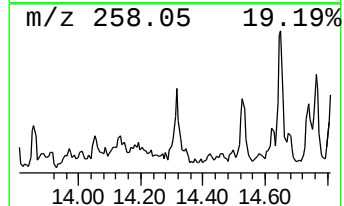
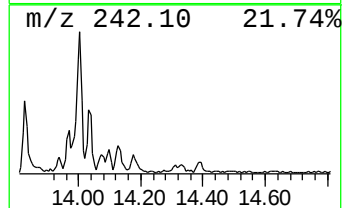
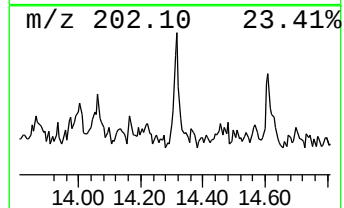
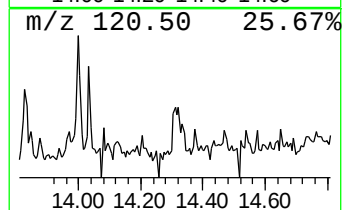
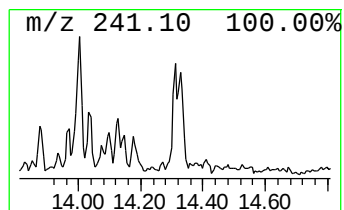
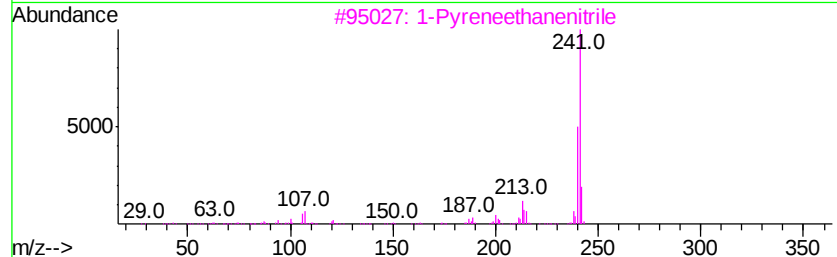
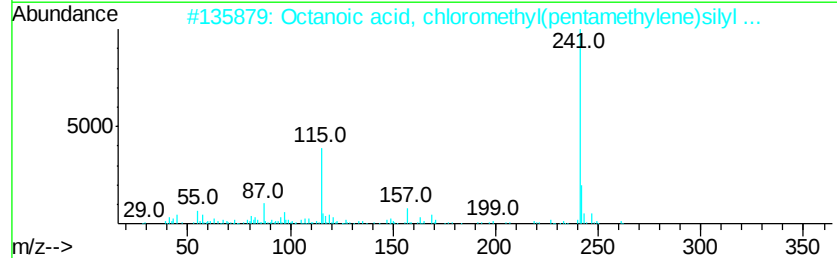
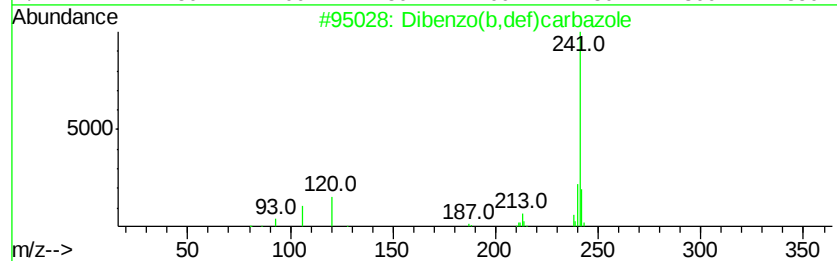
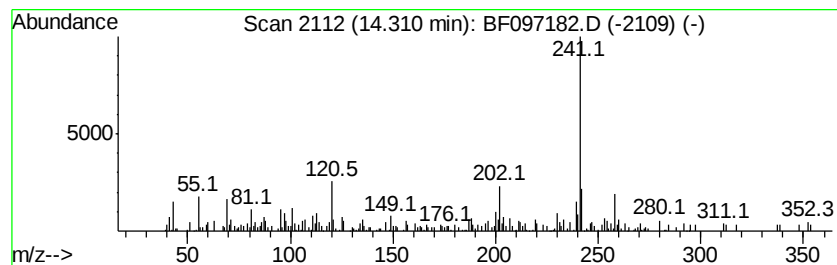
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown14.31 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	5.26 ng	93429	Perylene-d12	14.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo(b,def)carbazole	241	C18H11N	104313-09-9	43
2		Octanoic acid, chloromethyl(pentamethylene)silyl ...	290	C14H27ClO2Si	1000279-87-0	38
3		1-Pyreneethanenitrile	241	C18H11N	064764-29-0	38
4		Benzaldehyde, (4-nitrophenyl)hydrazide	241	C13H11N3O2	003078-09-9	38
5		1-Propanone, 1-[3,5-bis(trifluoromethyl)phenyl]-	270	C11H8F6O	085068-34-4	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097182.D
Acq On : 29 Jul 2017 4:24
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Misc :
ALS Vial : 26 Sample Multiplier: 1

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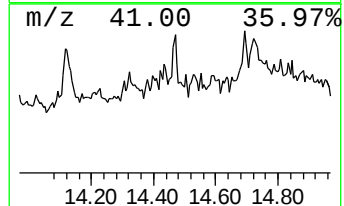
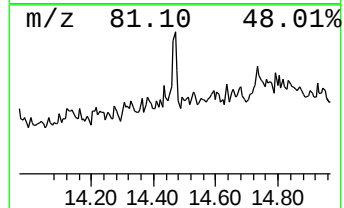
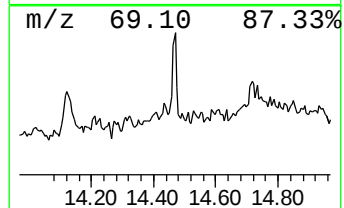
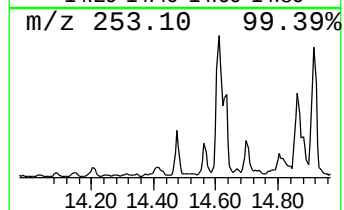
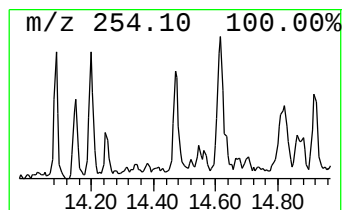
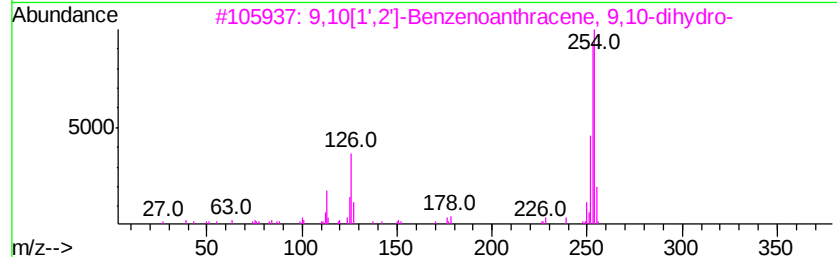
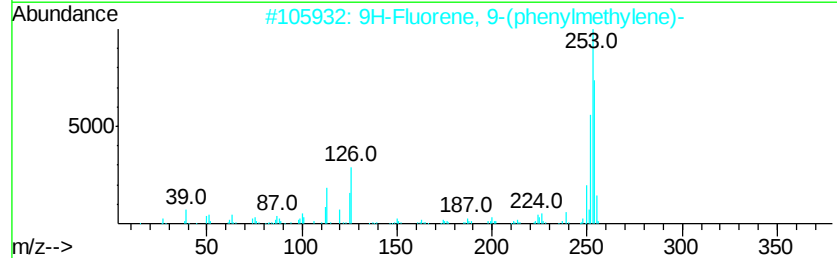
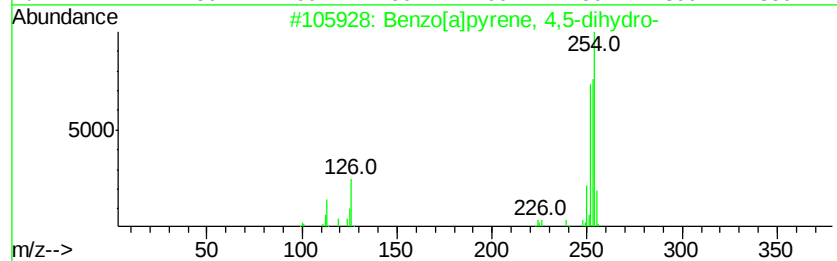
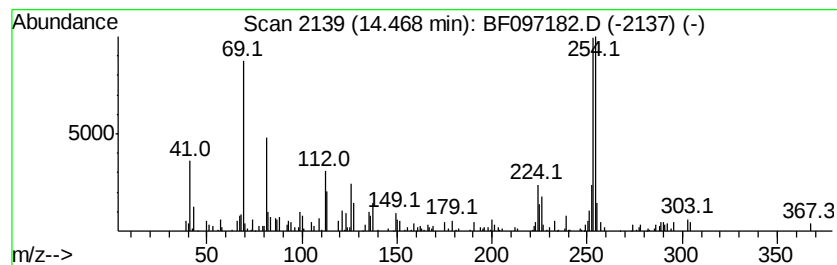
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	4.31 ng	76518	Perylene-d12	14.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	74
2		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	60
3		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	49
4		1,2'-Binaphthalene	254	C20H14	004325-74-0	49
5		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	43



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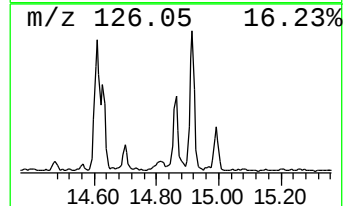
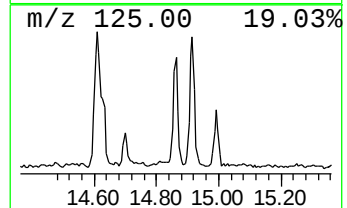
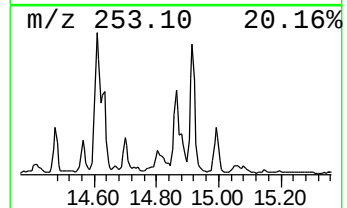
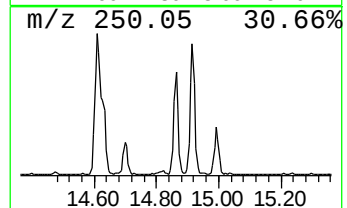
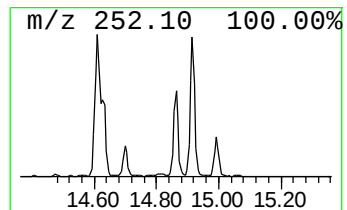
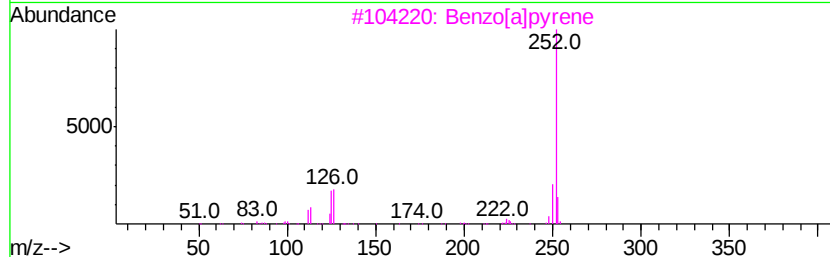
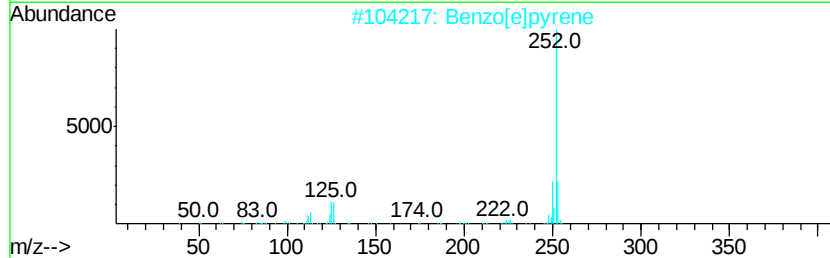
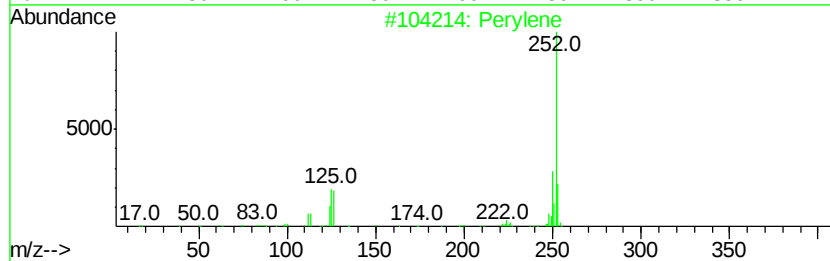
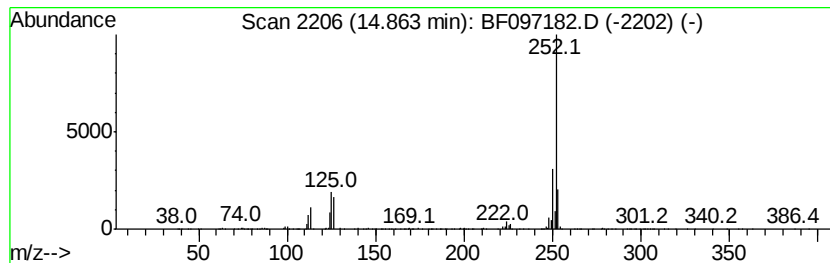
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	24.70 ng	438707	Perylene-d12	14.97

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Perylene	252	C20H12	000198-55-0	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	95
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
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Operator : SJ/JU
Sample : I4380-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B3(0-10)COMP

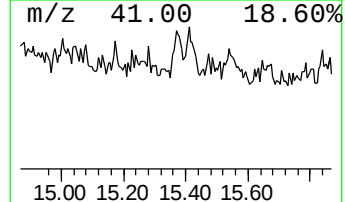
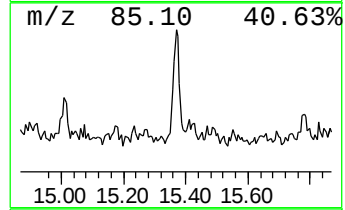
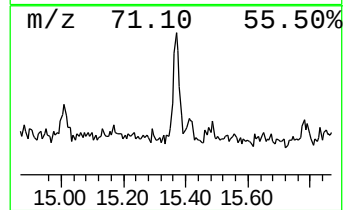
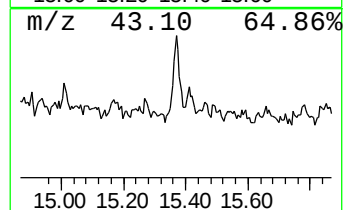
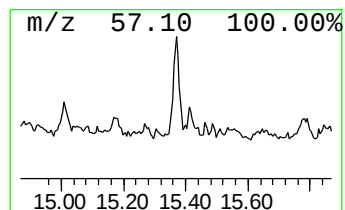
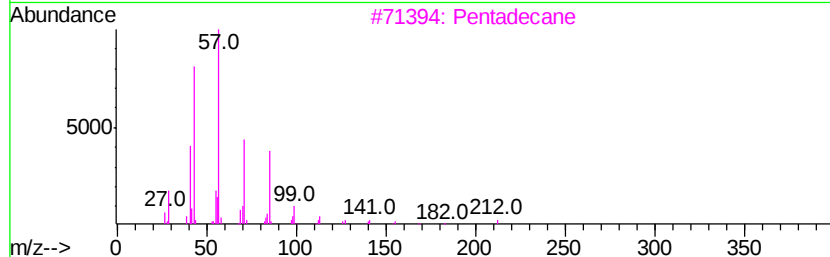
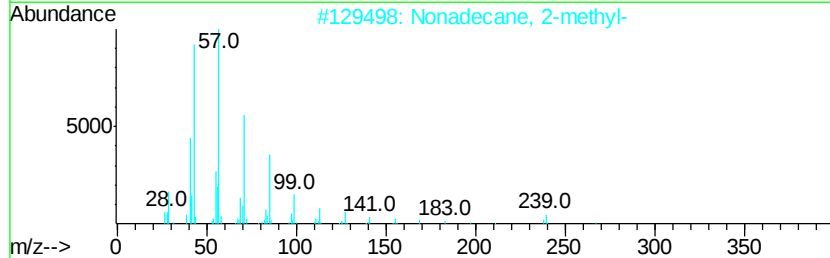
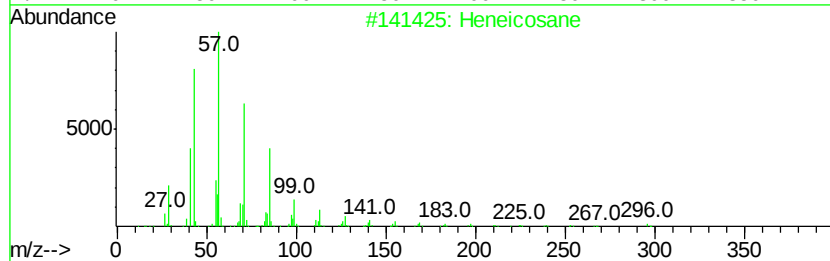
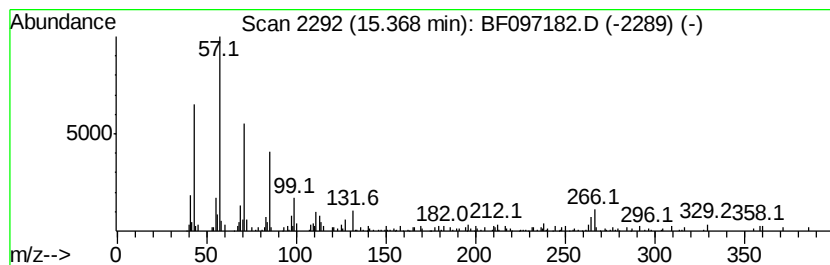
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	6.66 ng	118363	Perylene-d12	14.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	78
2			Nonadecane, 2-methyl-	282	C20H42	001560-86-7	50
3			Pentadecane	212	C15H32	000629-62-9	50
4			Undecane, 5-methyl-	170	C12H26	001632-70-8	49
5			Heptacosane	380	C27H56	000593-49-7	49



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 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 B3(0-10)COMP

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
2-Pentanone, 4-hy...	4.63	7.3	ng	231044	1	6.49	629833	20.0
unknown6.26	6.26	72.8	ng	2291840	1	6.49	629833	20.0
Naphthalene, 1,6-...	9.18	3.3	ng	112749	3	9.52	686680	20.0
Tridecane	10.44	3.4	ng	104506	4	10.99	607765	20.0
Naphtho[1,2-b]thi...	10.89	6.9	ng	210705	4	10.99	607765	20.0
Phenanthrene, 1-m...	11.49	6.8	ng	207615	4	10.99	607765	20.0
Phenanthrene, 2-m...	11.52	8.4	ng	256736	4	10.99	607765	20.0
1H-Cyclopropa[1]p...	11.56	3.6	ng	109788	4	10.99	607765	20.0
4H-Cyclopenta[def...	11.60	13.8	ng	417705	4	10.99	607765	20.0
Naphthalene, 2-ph...	11.79	5.9	ng	179603	4	10.99	607765	20.0
Phenanthrene, 2,5...	12.04	3.9	ng	118938	4	10.99	607765	20.0
Cyclopenta(def)ph...	12.13	4.8	ng	146763	4	10.99	607765	20.0
unknown14.31	14.31	5.3	ng	93429	6	14.97	355294	20.0
Benzo[a]pyrene, 4...	14.47	4.3	ng	76518	6	14.97	355294	20.0
Perylene	14.86	24.7	ng	438707	6	14.97	355294	20.0
Heneicosane	15.37	6.7	ng	118363	6	14.97	355294	20.0