

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101238.D
 Acq On : 8 Dec 2017 16:23
 Operator : SJ/JU
 Sample : I6794-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LGA-TA-ZONE-B-A-4-EXEAV-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-BF113017.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.057	502	505	517	rBB	52301	81079	4.63%	0.285%
2	5.445	567	571	574	rBV	1221317	1187955	67.81%	4.179%
3	6.463	738	744	755	rVB	1204540	1322540	75.49%	4.653%
4	6.598	762	767	770	rBV	1311655	1290041	73.64%	4.538%
5	6.822	802	805	811	rBB	376822	294678	16.82%	1.037%
6	6.981	828	832	835	rBV	1075298	924240	52.76%	3.251%
7	7.392	896	902	905	rBV	773469	765851	43.71%	2.694%
8	8.104	1019	1023	1026	rBV	504153	413224	23.59%	1.454%
9	9.181	1201	1206	1209	rBV	1496379	1309431	74.74%	4.606%
10	9.575	1270	1273	1280	rVB	169152	139105	7.94%	0.489%
11	9.863	1317	1322	1325	rVV	500356	463371	26.45%	1.630%
12	9.892	1325	1327	1331	rVB	122253	92456	5.28%	0.325%
13	10.063	1353	1356	1359	rVV2	54015	49863	2.85%	0.175%
14	10.280	1391	1393	1396	rVB	55092	44408	2.53%	0.156%
15	10.410	1411	1415	1420	rVB	122484	107633	6.14%	0.379%
16	10.657	1452	1457	1460	rBV	1040364	938069	53.54%	3.300%
17	10.757	1470	1474	1476	rBV2	57108	60261	3.44%	0.212%
18	10.957	1502	1508	1511	rBV4	51103	83041	4.74%	0.292%
19	11.204	1546	1550	1553	rVV2	79875	92292	5.27%	0.325%
20	11.245	1553	1557	1562	rVB	68396	82475	4.71%	0.290%
21	11.351	1571	1575	1577	rBV	494153	466784	26.64%	1.642%
22	11.380	1577	1580	1583	rVV	1184094	978302	55.84%	3.442%
23	11.427	1583	1588	1591	rVV	314866	268160	15.31%	0.943%
24	11.463	1591	1594	1596	rVV2	42480	48823	2.79%	0.172%
25	11.580	1607	1614	1620	rVV2	83222	132866	7.58%	0.467%
26	11.645	1620	1625	1628	rVV2	43540	70679	4.03%	0.249%
27	11.680	1628	1631	1636	rVV3	46511	57411	3.28%	0.202%
28	11.851	1655	1660	1662	rBV	233263	226170	12.91%	0.796%
29	11.880	1662	1665	1669	rVV2	395782	410423	23.43%	1.444%
30	11.927	1669	1673	1676	rVV	123679	127251	7.26%	0.448%
31	11.969	1676	1680	1682	rVV2	373807	415293	23.70%	1.461%
32	11.986	1682	1683	1688	rVV	175166	132806	7.58%	0.467%
33	12.033	1688	1691	1694	rVV3	45719	50311	2.87%	0.177%
34	12.145	1707	1710	1713	rVV	149396	148051	8.45%	0.521%

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35	12.180	1713	1716	1721	rVV2	80751	86660	4.95%	0.305%
36	12.298	1731	1736	1739	rBV	76893	84008	4.80%	0.296%
37	12.327	1739	1741	1743	rVV	60884	50437	2.88%	0.177%
38	12.351	1743	1745	1748	rVB	52404	48539	2.77%	0.171%
39	12.404	1748	1754	1756	rBV	164397	187577	10.71%	0.660%
40	12.445	1756	1761	1763	rVV3	126504	197455	11.27%	0.695%
41	12.498	1766	1770	1773	rVV3	79290	114067	6.51%	0.401%
42	12.574	1778	1783	1786	rBV	1451698	1525961	87.10%	5.368%
43	12.633	1791	1793	1795	rVV2	57518	48242	2.75%	0.170%
44	12.657	1795	1797	1801	rVV3	64366	66948	3.82%	0.236%
45	12.721	1801	1808	1810	rVV4	67759	95587	5.46%	0.336%
46	12.804	1815	1822	1827	rBV	1316409	1751930	100.00%	6.163%
47	12.845	1827	1829	1834	rVB2	92431	108707	6.20%	0.382%
48	12.939	1837	1845	1847	rBV	1241874	1135760	64.83%	3.996%
49	12.957	1847	1848	1852	rVB	80269	65156	3.72%	0.229%
50	13.016	1853	1858	1862	rBV3	130632	218795	12.49%	0.770%
51	13.104	1869	1873	1874	rBV2	109908	121558	6.94%	0.428%
52	13.127	1874	1877	1880	rVB	272595	253959	14.50%	0.893%
53	13.192	1885	1888	1891	rBV	225266	181807	10.38%	0.640%
54	13.233	1891	1895	1897	rBV2	170975	186636	10.65%	0.657%
55	13.321	1907	1910	1913	rBV	117227	107055	6.11%	0.377%
56	13.351	1913	1915	1918	rBV	118732	115438	6.59%	0.406%
57	13.498	1934	1940	1942	rBV5	44722	63489	3.62%	0.223%
58	13.527	1942	1945	1946	rVV2	41704	45215	2.58%	0.159%
59	13.551	1946	1949	1951	rVV	69164	74573	4.26%	0.262%
60	13.610	1955	1959	1961	rBV2	53250	63595	3.63%	0.224%
61	13.639	1961	1964	1967	rVV	105976	115734	6.61%	0.407%
62	13.745	1977	1982	1984	rVV	142380	160328	9.15%	0.564%
63	13.774	1984	1987	1989	rVV	146876	150562	8.59%	0.530%
64	13.798	1989	1991	1992	rVV	103563	89050	5.08%	0.313%
65	13.821	1992	1995	1998	rVV3	249626	308958	17.64%	1.087%
66	13.845	1998	1999	2003	rVV	89096	79552	4.54%	0.280%
67	13.916	2006	2011	2014	rBV	42893	65770	3.75%	0.231%
68	13.992	2017	2024	2028	rVV2	791458	1289830	73.62%	4.538%
69	14.027	2028	2030	2033	rVV	752694	638649	36.45%	2.247%
70	14.104	2041	2043	2046	rVV	156362	141906	8.10%	0.499%
71	14.145	2048	2050	2056	rVV5	54115	121341	6.93%	0.427%

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72	14.192	2056	2058	2060	rVV	55566	53003	3.03%	0.186%
73	14.227	2060	2064	2067	rVV2	86383	117971	6.73%	0.415%
74	14.315	2076	2079	2082	rVV2	40506	43620	2.49%	0.153%
75	14.345	2082	2084	2086	rVV	73829	70858	4.04%	0.249%
76	14.386	2086	2091	2093	rVV	179595	229086	13.08%	0.806%
77	14.415	2093	2096	2100	rVV	108193	137230	7.83%	0.483%
78	14.463	2100	2104	2106	rVV3	78320	138893	7.93%	0.489%
79	14.480	2106	2107	2110	rVV	84615	77067	4.40%	0.271%
80	14.510	2110	2112	2114	rVV	110530	105633	6.03%	0.372%
81	14.533	2114	2116	2119	rVV	102327	100288	5.72%	0.353%
82	14.580	2119	2124	2130	rVV4	59479	108478	6.19%	0.382%
83	14.704	2142	2145	2148	rBV2	58773	75357	4.30%	0.265%
84	14.880	2172	2175	2178	rBV	63339	72115	4.12%	0.254%
85	15.045	2196	2203	2206	rBV	476708	795867	45.43%	2.800%
86	15.151	2217	2221	2225	rVB	99506	111620	6.37%	0.393%
87	15.233	2231	2235	2237	rBV3	36937	46229	2.64%	0.163%
88	15.345	2249	2254	2260	rVB	331095	413848	23.62%	1.456%
89	15.410	2260	2265	2269	rBV	461000	561951	32.08%	1.977%
90	15.468	2269	2275	2278	rVV	246952	328445	18.75%	1.155%
91	15.498	2278	2280	2286	rVB2	137160	186405	10.64%	0.656%
92	15.945	2352	2356	2360	rBV4	40274	56055	3.20%	0.197%
93	16.027	2366	2370	2374	rVB3	37136	50062	2.86%	0.176%
94	16.380	2425	2430	2439	rVB10	20206	57516	3.28%	0.202%
95	16.739	2484	2491	2494	rBV2	28092	55400	3.16%	0.195%
96	16.945	2519	2526	2533	rVV	200704	397563	22.69%	1.399%
97	17.115	2549	2555	2560	rBV2	38770	73870	4.22%	0.260%
98	17.168	2560	2564	2569	rVB3	29873	53125	3.03%	0.187%
99	17.392	2594	2602	2611	rBV	158244	331033	18.90%	1.165%
100	17.633	2636	2643	2653	rVB3	51598	140984	8.05%	0.496%

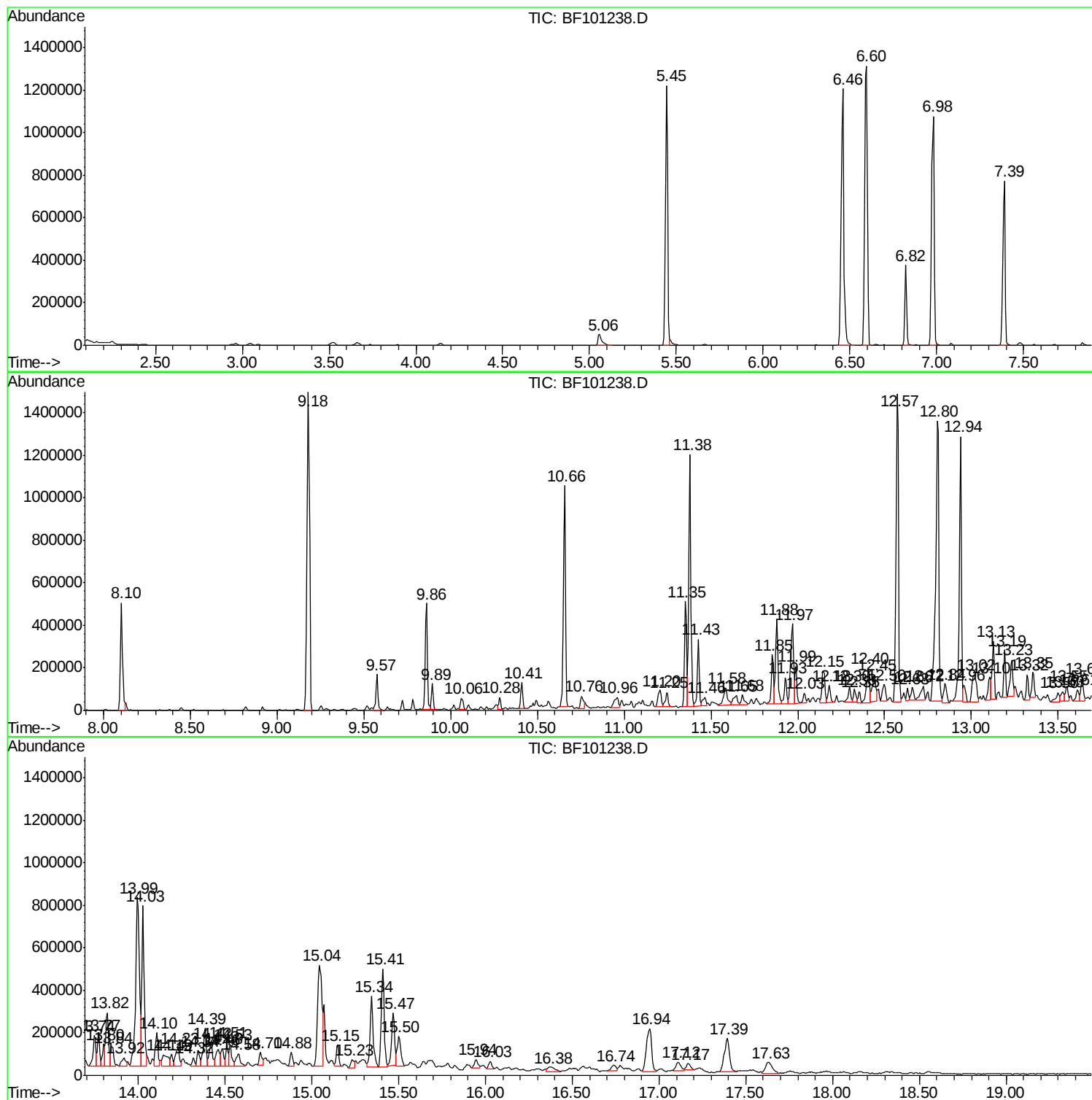
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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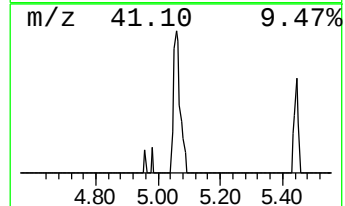
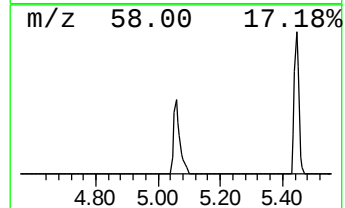
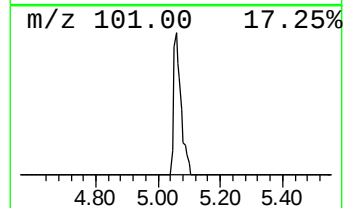
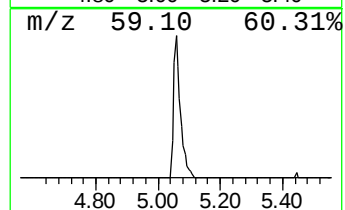
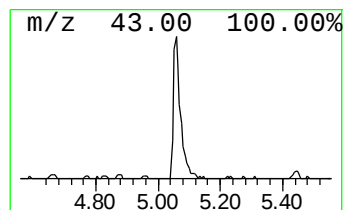
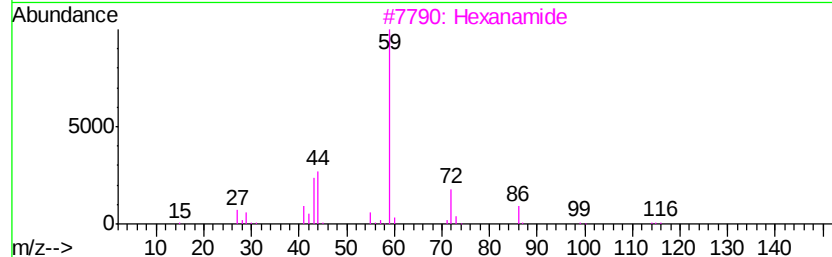
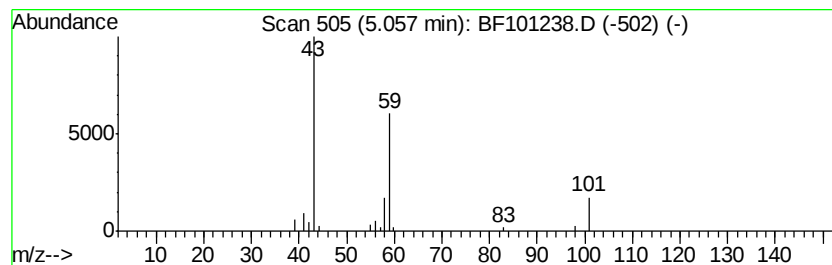
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	5.50 ng	81079	1,4-Dichlorobenzene-d4	6.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	9
3			Hexanamide	115	C6H13NO	000628-02-4	9
4			3-Octanol	130	C8H18O	000589-98-0	9
5			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9



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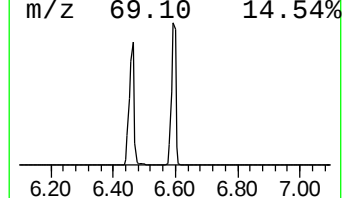
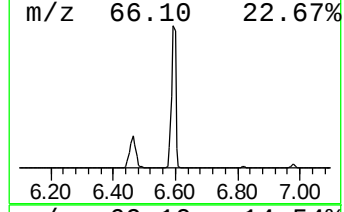
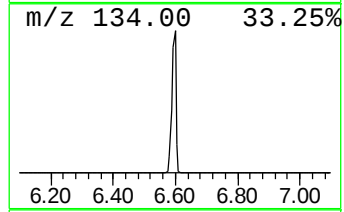
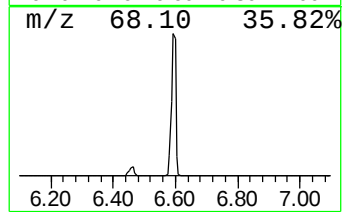
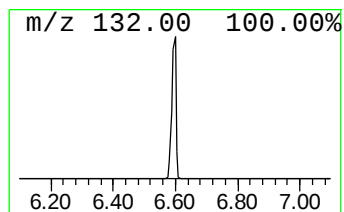
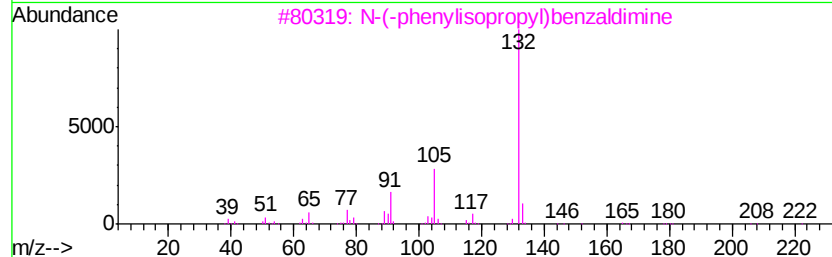
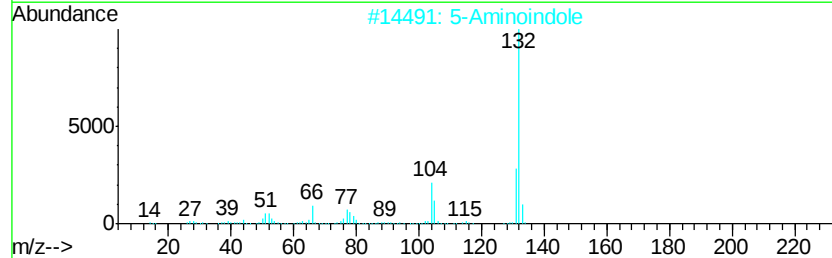
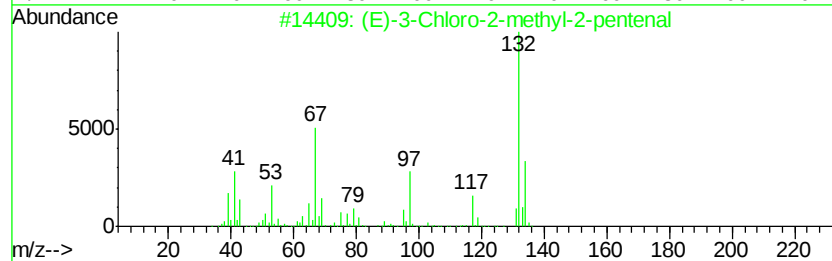
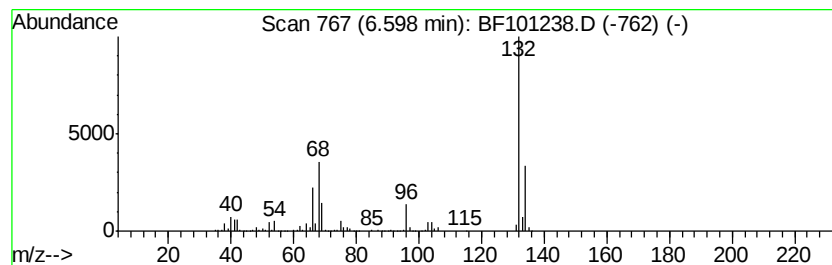
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	87.56 ng	1290040	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		N-(-phenylisopropyl)benzalimine	223	C16H17N	1000379-01-3	12
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Xenon	132	Xe	007440-63-3	9



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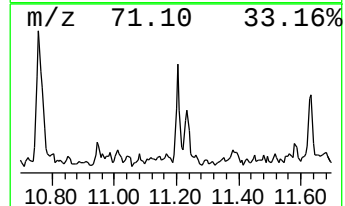
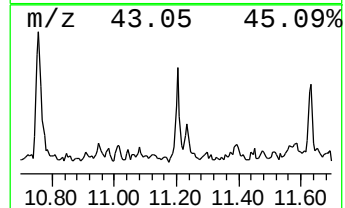
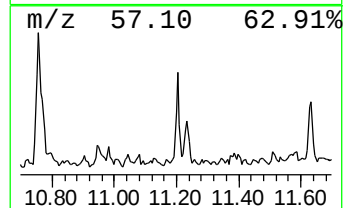
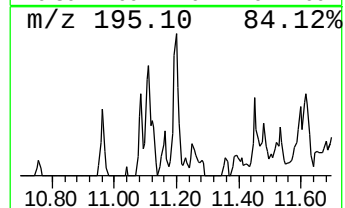
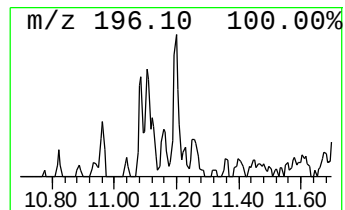
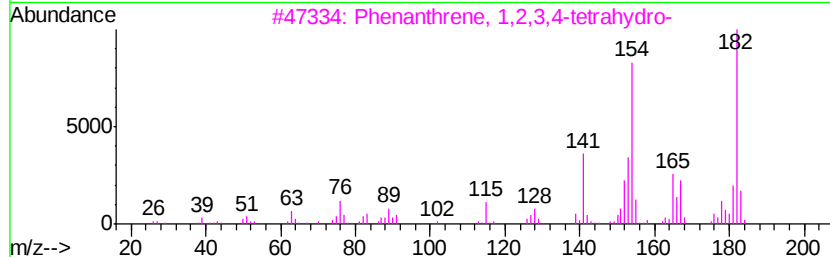
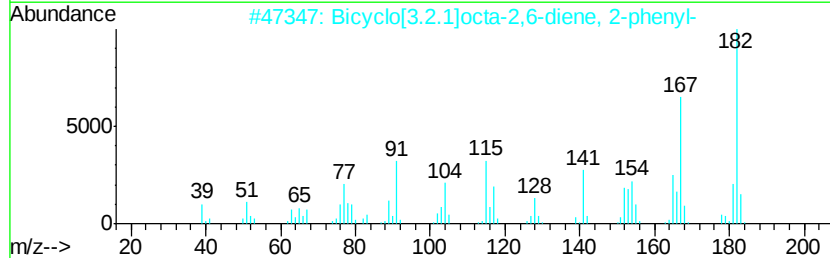
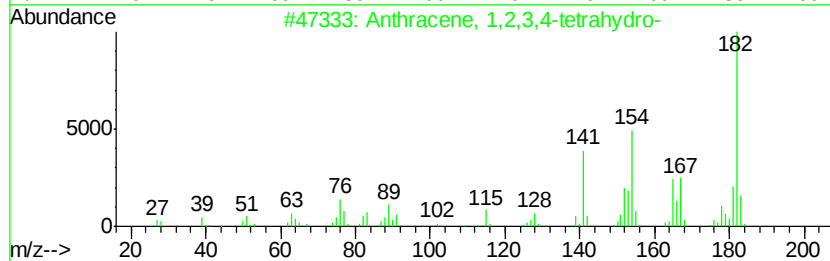
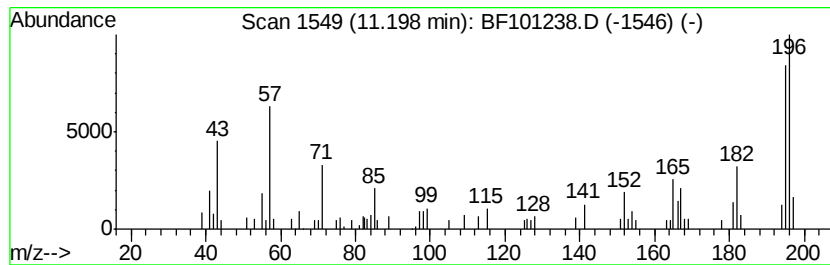
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Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.20	3.95 ng	92292	Phenanthrene-d10		11.35
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	86
2	Bicyclo[3.2.1]octa-2,6-diene, 2-...	182	C14H14	101166-08-9	38
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	35
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	35
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120817\
Data File : BF101238.D
Acq On : 8 Dec 2017 16:23
Operator : SJ/JU
Sample : I6794-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

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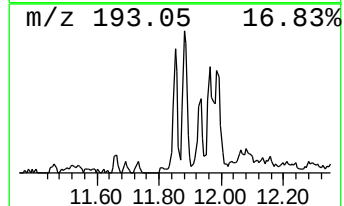
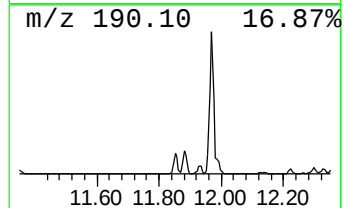
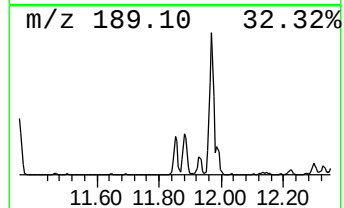
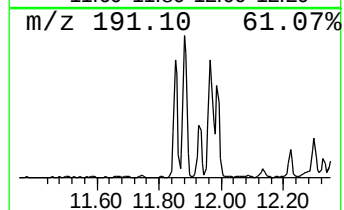
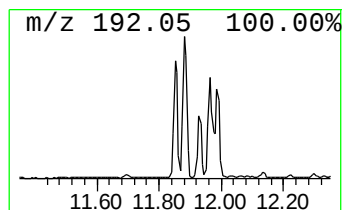
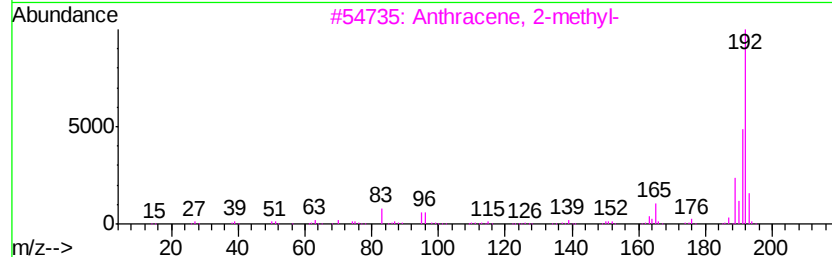
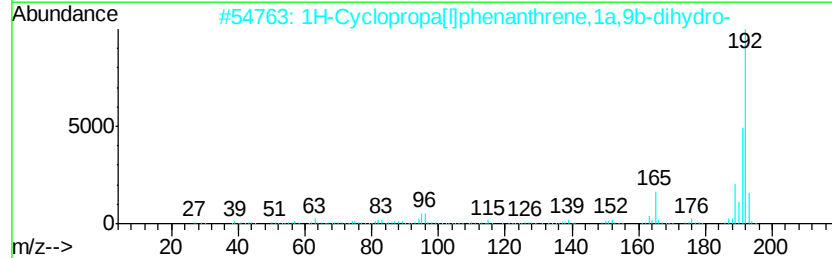
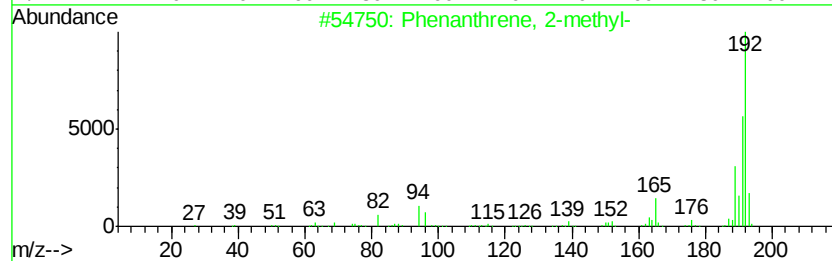
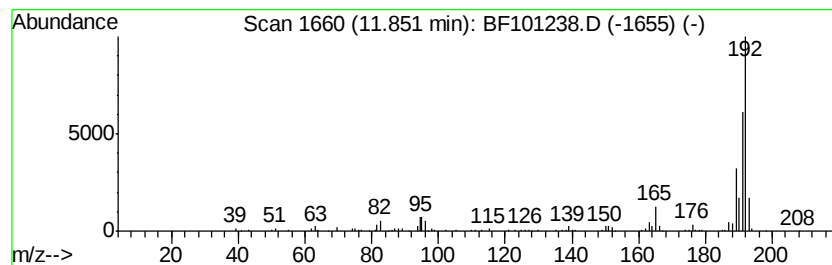
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	9.69 ng	226170	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120817\
Data File : BF101238.D
Acq On : 8 Dec 2017 16:23
Operator : SJ/JU
Sample : I6794-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

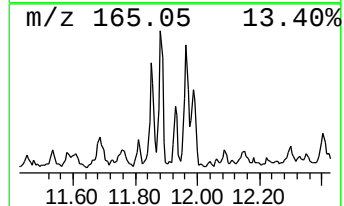
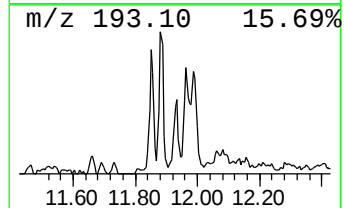
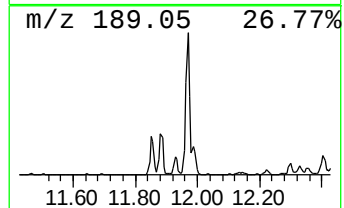
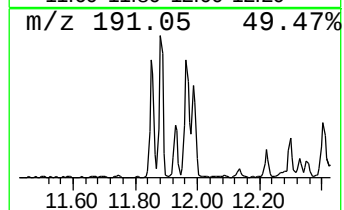
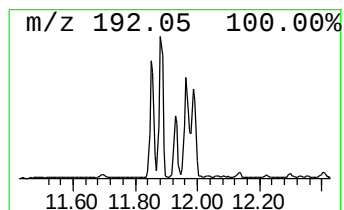
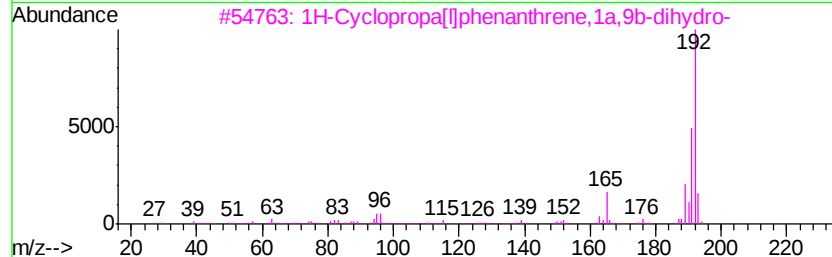
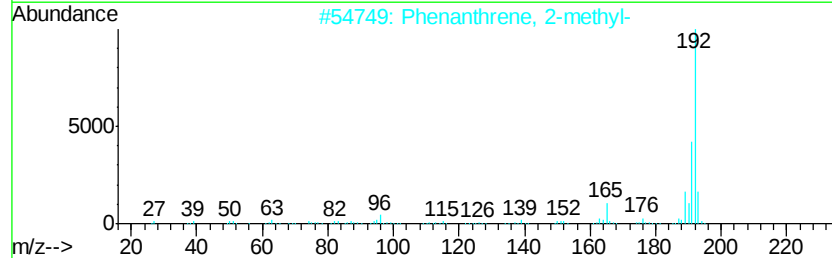
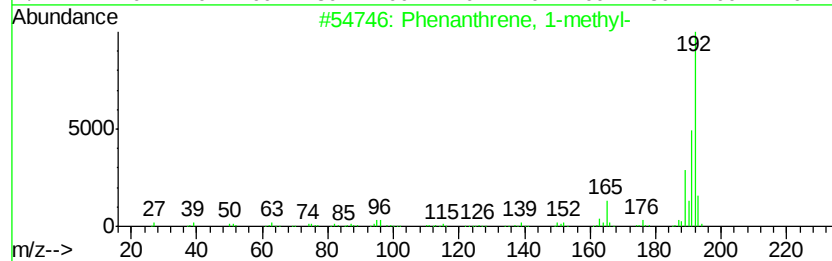
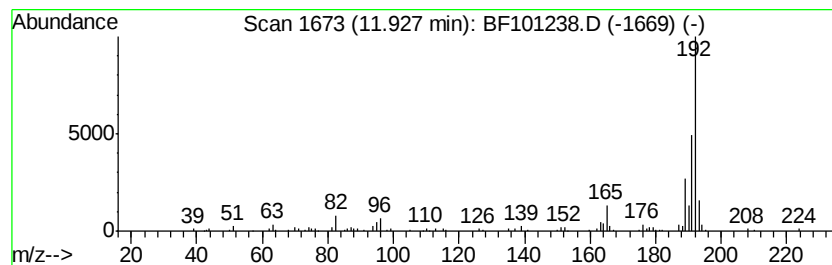
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.93	5.45 ng	127251	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101238.D
Acq On : 8 Dec 2017 16:23
Operator : SJ/JU
Sample : I6794-02
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ALS Vial : 5 Sample Multiplier: 1

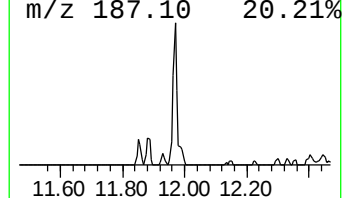
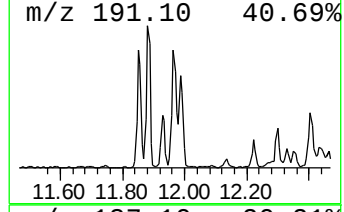
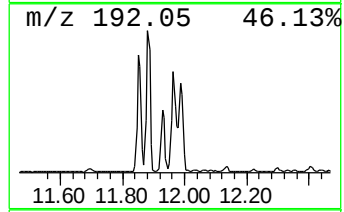
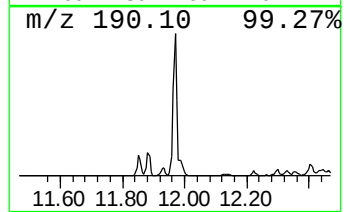
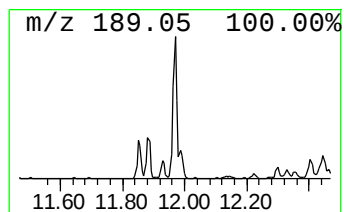
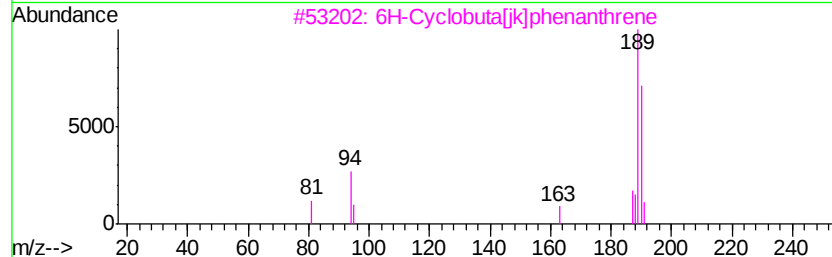
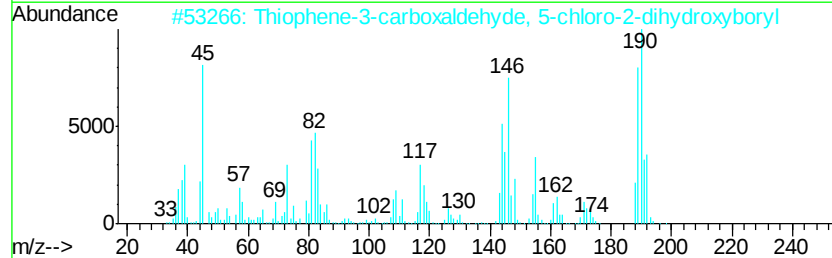
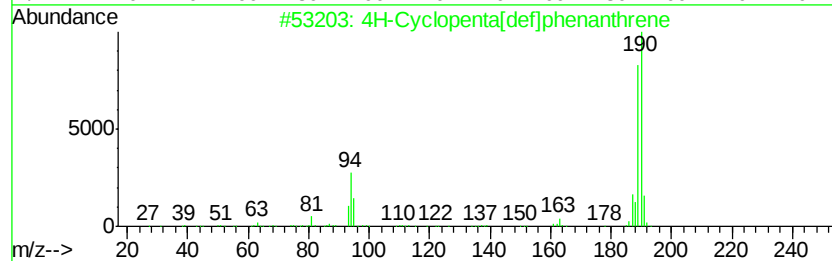
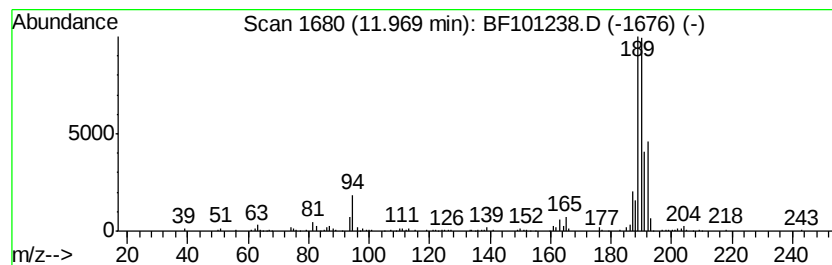
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.97	17.79 ng	415293	Phenanthrene-d10	11.35		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	42
4		Methyl diselenide	190	C2H6Se2	007101-31-7	41
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101238.D
Acq On : 8 Dec 2017 16:23
Operator : SJ/JU
Sample : I6794-02
Misc :
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Instrument :
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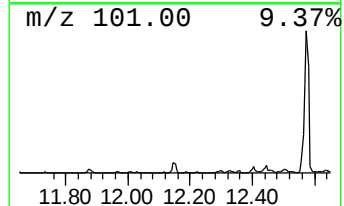
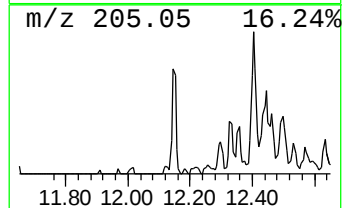
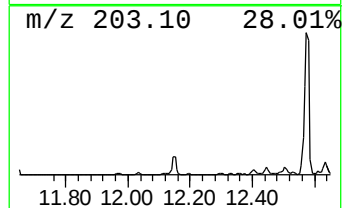
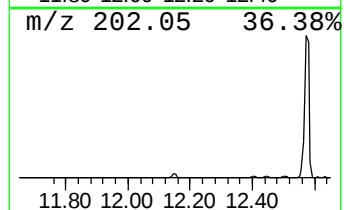
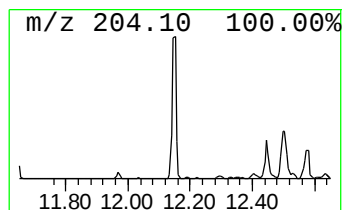
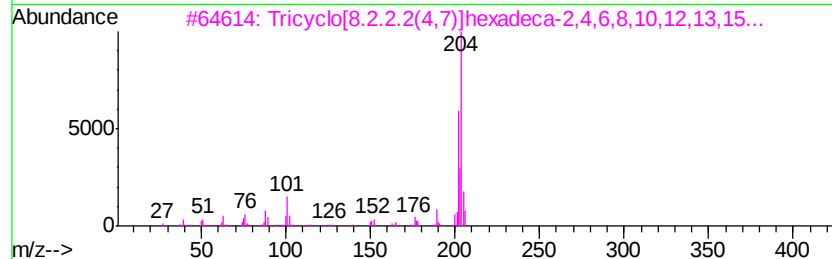
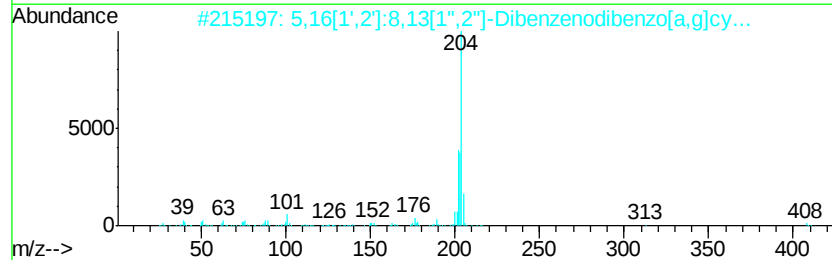
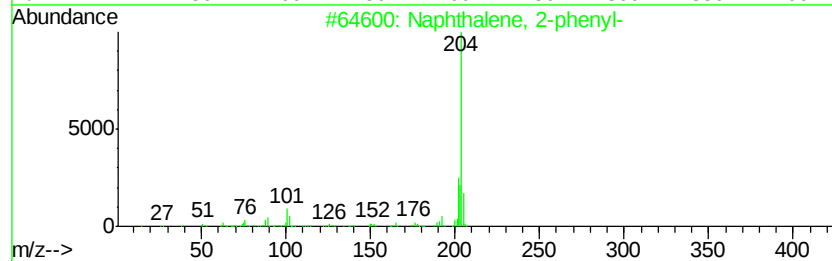
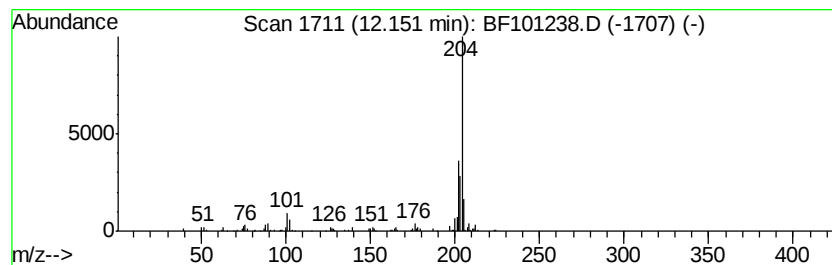
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	6.34 ng	148051	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		5,16[1',2']: ^{8,13} [1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101238.D
Acq On : 8 Dec 2017 16:23
Operator : SJ/JU
Sample : I6794-02
Misc :
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Instrument :
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ClientSampleId :
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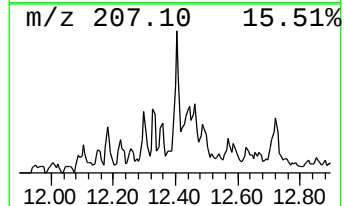
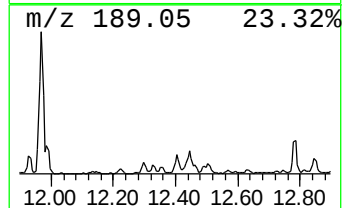
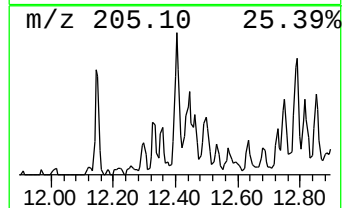
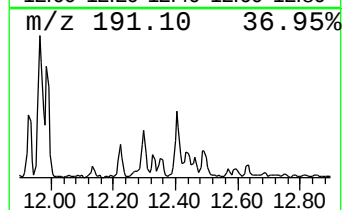
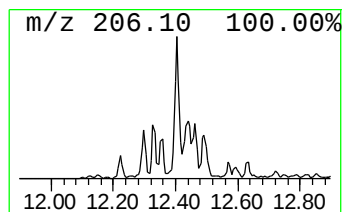
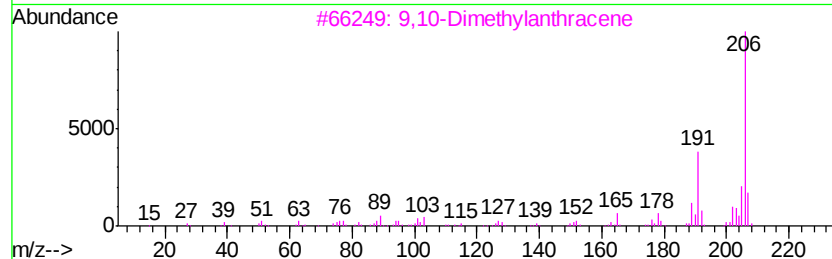
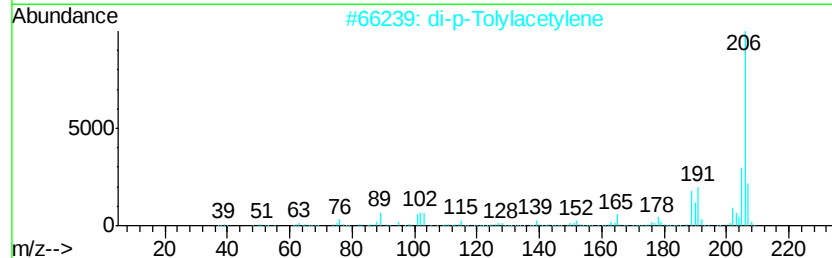
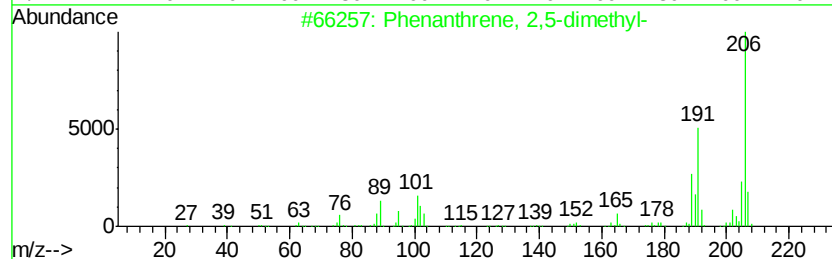
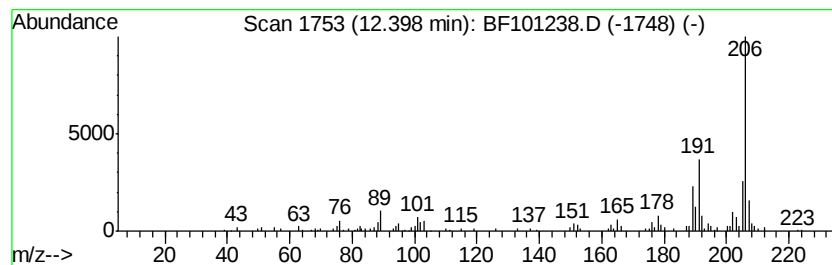
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	8.04 ng	187577	Phenanthrene-d10	11.35

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2			di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120817\
Data File : BF101238.D
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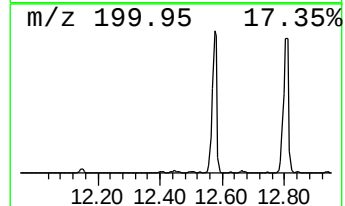
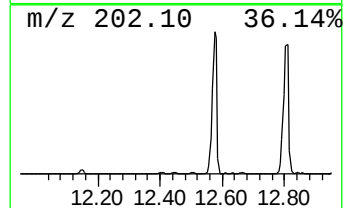
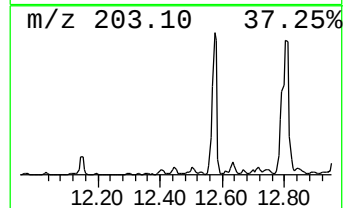
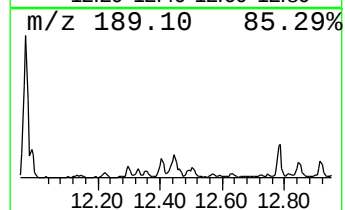
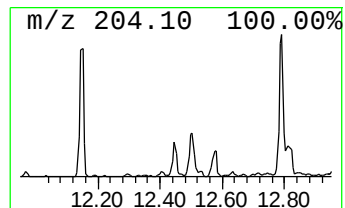
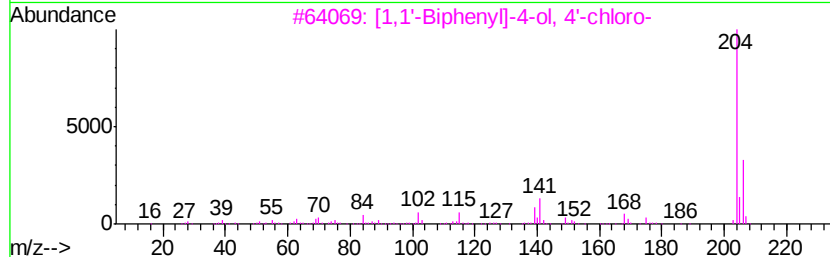
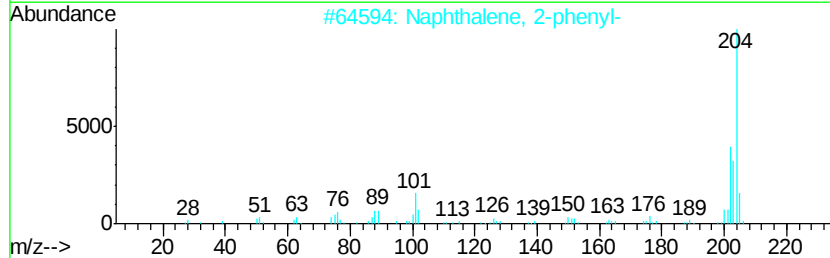
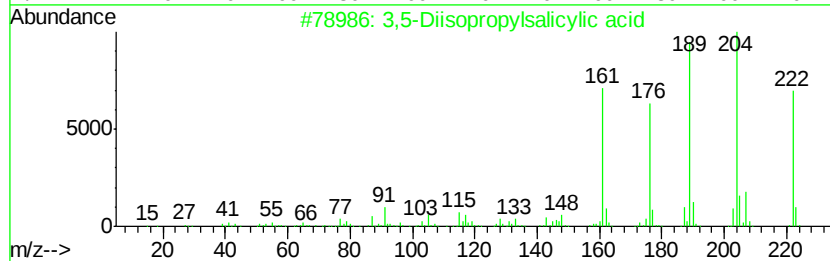
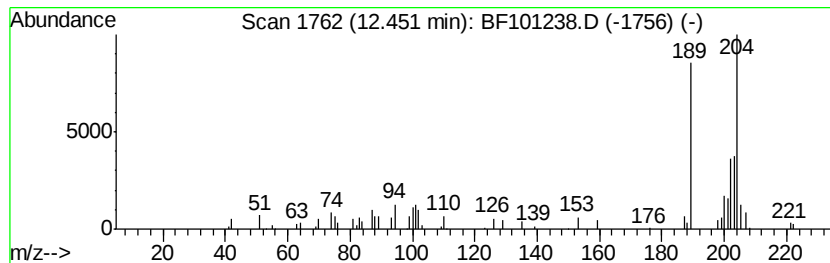
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown12.45 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.45	8.46 ng	197455	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Diisopropylsalicylic acid	222	C13H18O3	002215-21-6	43
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	30
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	27
5	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120817\
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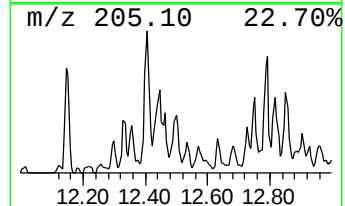
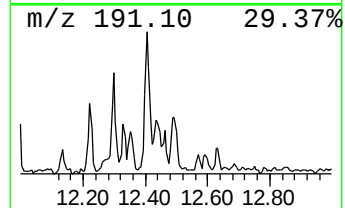
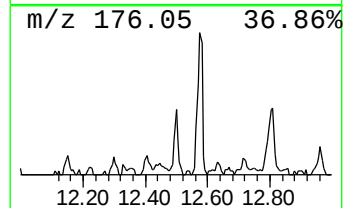
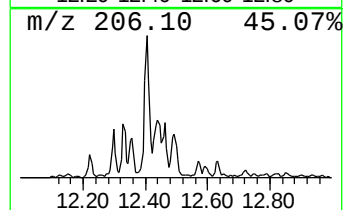
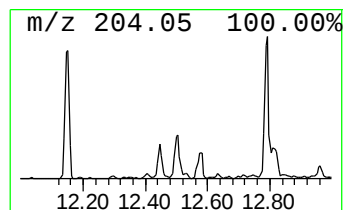
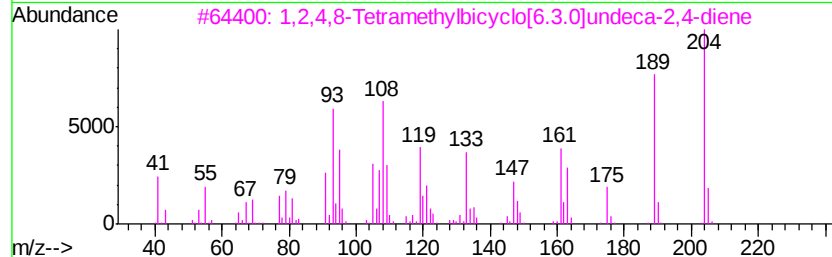
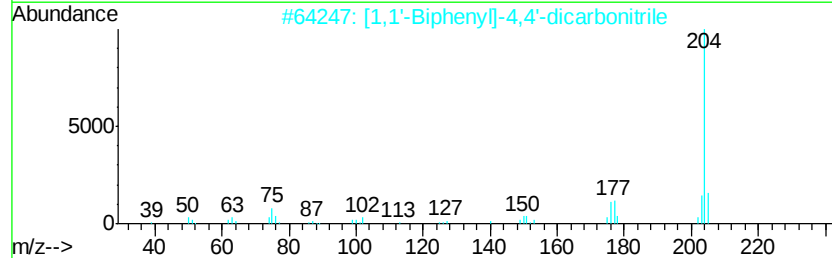
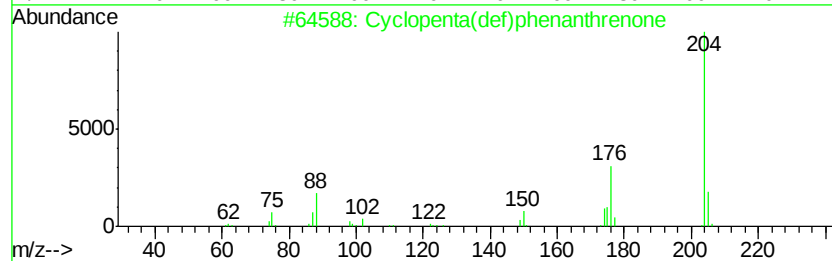
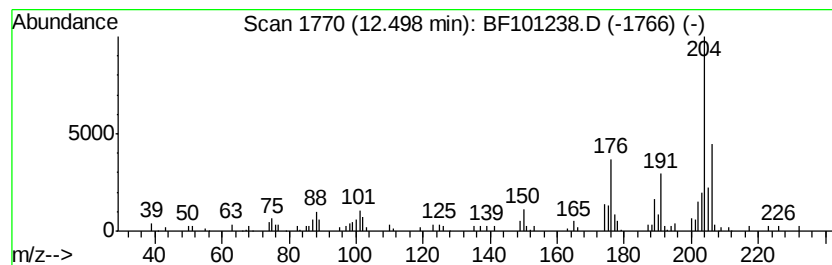
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	4.89 ng	114067	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	50
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120817\
Data File : BF101238.D
Acq On : 8 Dec 2017 16:23
Operator : SJ/JU
Sample : I6794-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LGA-TA-ZONE-B-A-4-EXEAV-COMP

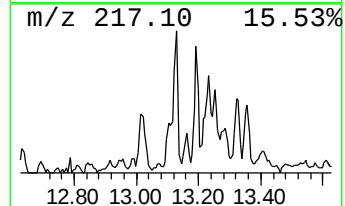
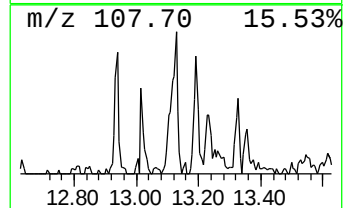
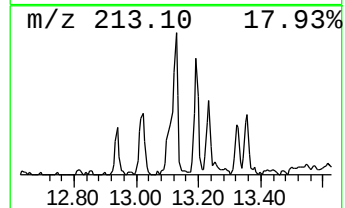
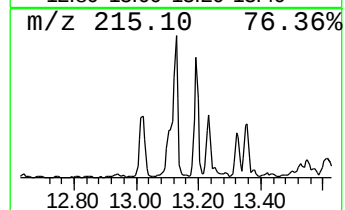
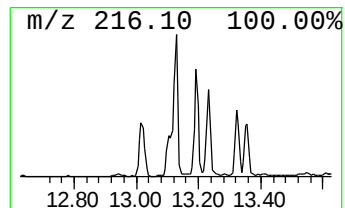
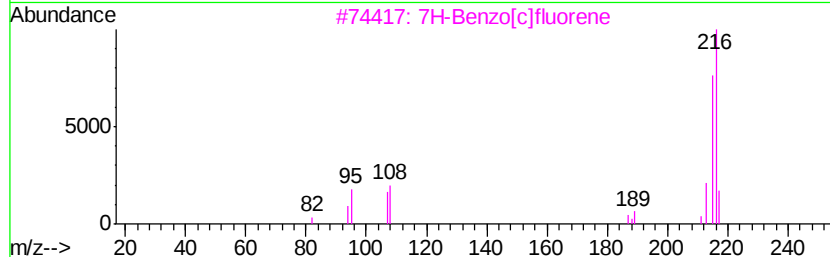
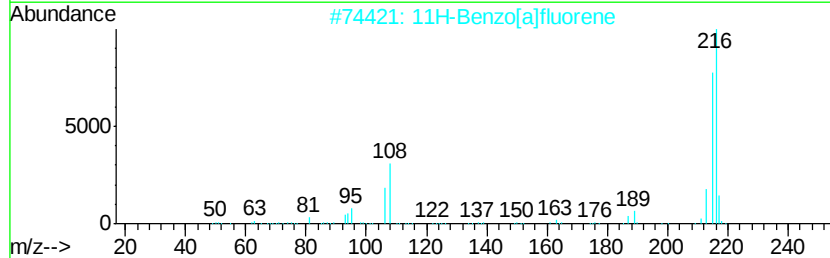
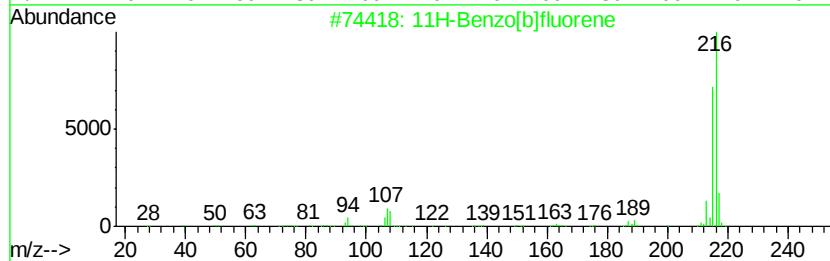
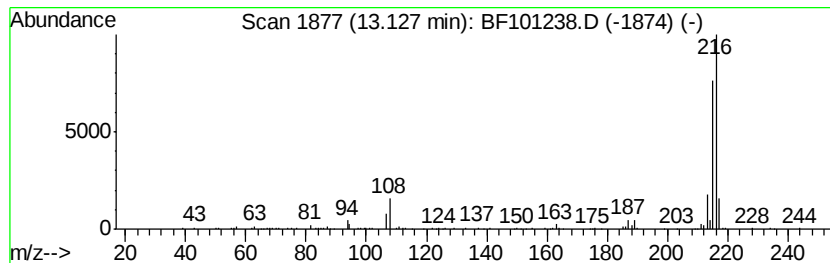
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	3.94 ng	253959	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	90
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101238.D
Acq On : 8 Dec 2017 16:23
Operator : SJ/JU
Sample : I6794-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LGA-TA-ZONE-B-A-4-EXEAV-COMP

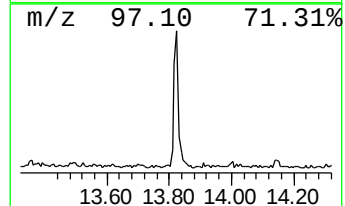
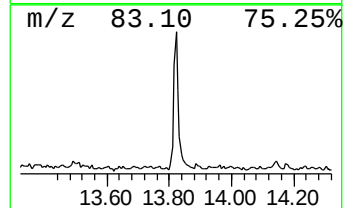
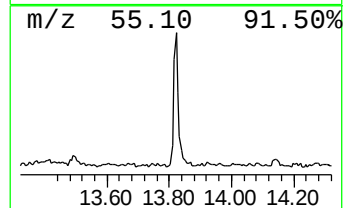
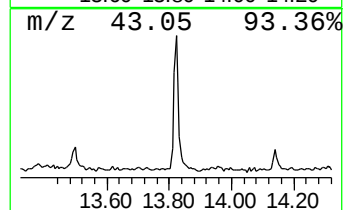
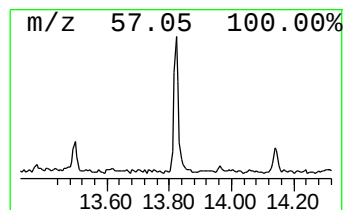
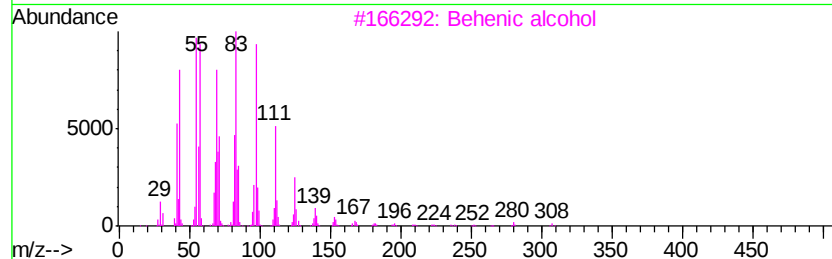
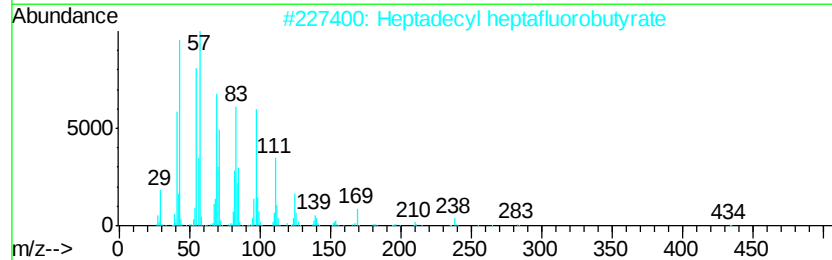
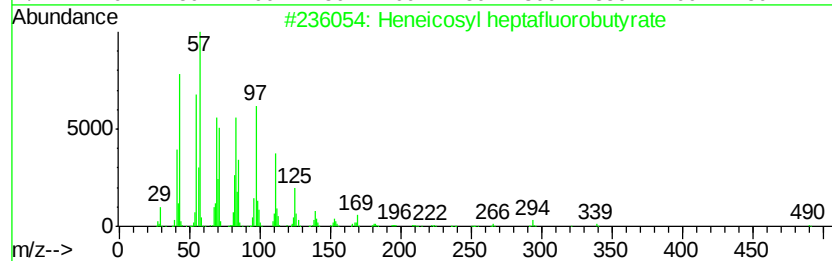
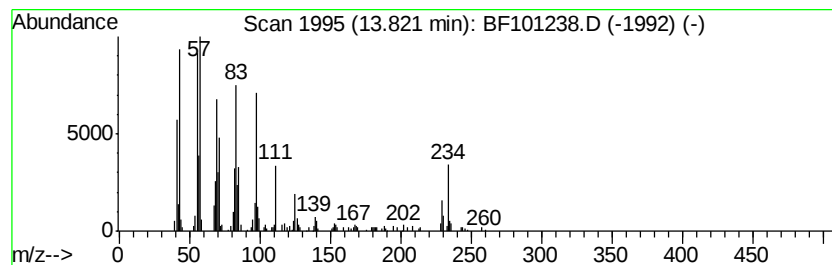
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Heneicosyl heptafluorobutyrate Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	4.79 ng	308958	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	93
2		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
3		Behenic alcohol	326	C22H46O	000661-19-8	90
4		Heptafluorobutyric acid, n-octadecyl	466	C22H37F7O2	000400-57-7	90
5		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101238.D
Acq On : 8 Dec 2017 16:23
Operator : SJ/JU
Sample : I6794-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

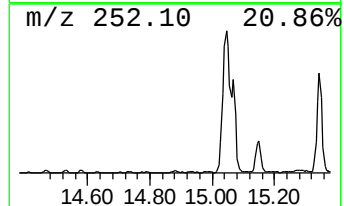
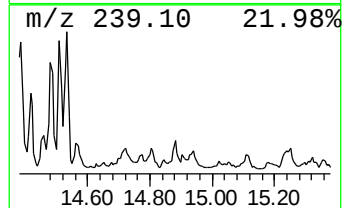
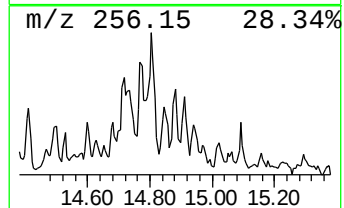
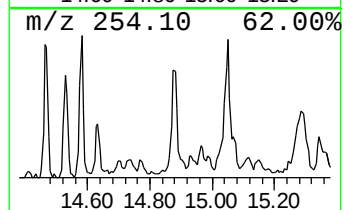
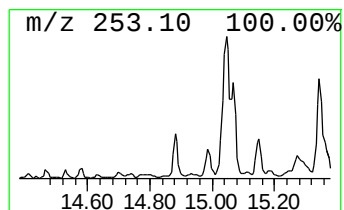
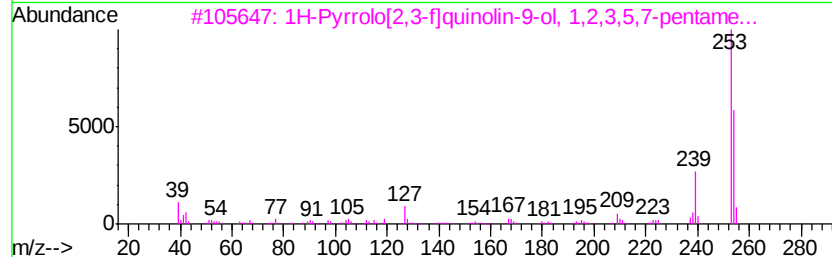
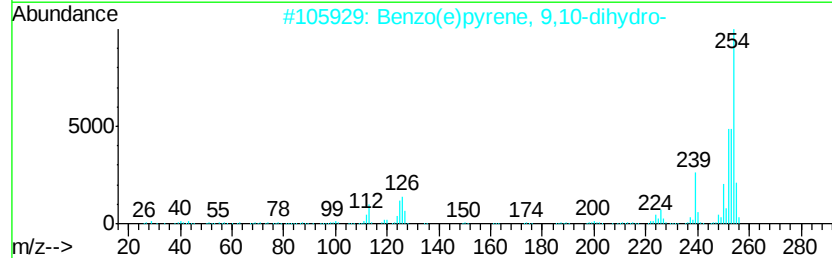
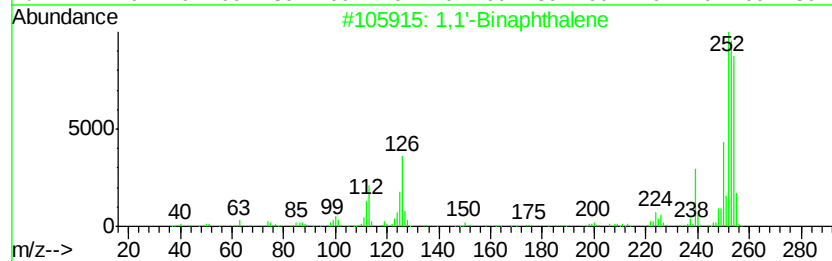
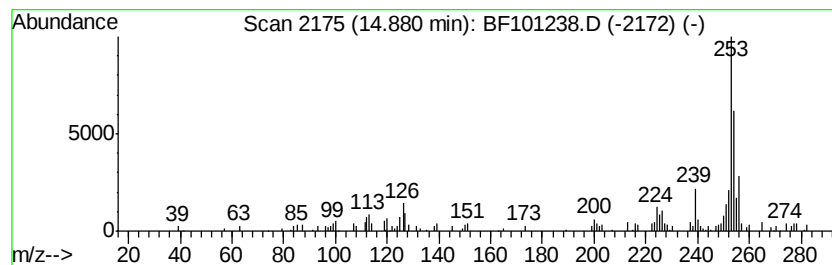
Instrument :
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ClientSampleId :
LGA-TA-ZONE-B-A-4-EXEAV-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1,1'-Binaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	4.39 ng	72115	Perylene-d12	15.47
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Binaphthalene	254 C20H14	000604-53-5	93
2	Benzo(e)pyrene, 9,10-dihydro-	254 C20H14	066788-01-0	80
3	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254 C16H18N2O	1000303-71-9	52
4	4,5-Dihydrobenzo[el]pyrene	254 C20H14	095676-42-9	52
5	4,6'-BiazulenyI	254 C20H14	094154-49-1	50



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Data File : BF101238.D
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Sample : I6794-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

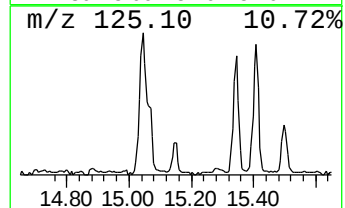
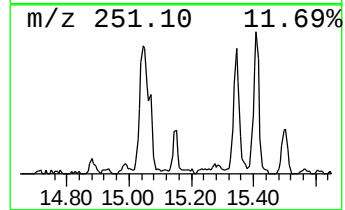
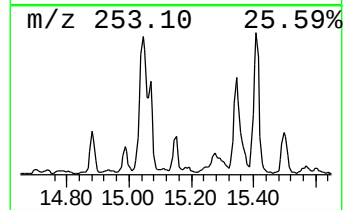
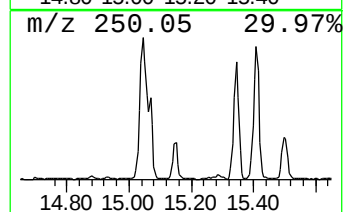
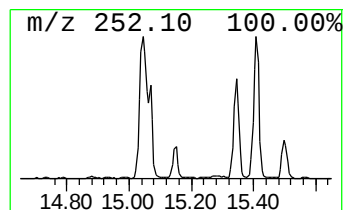
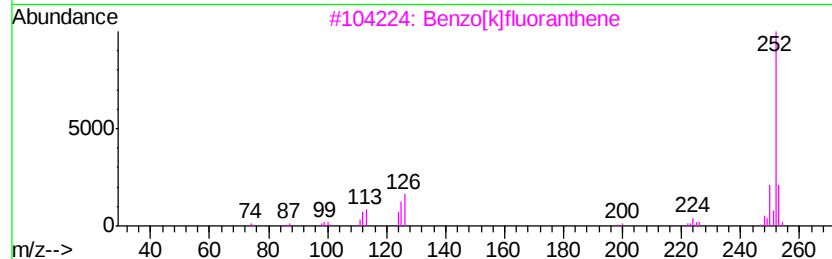
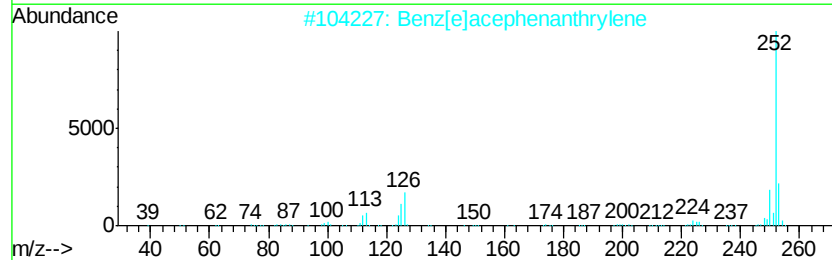
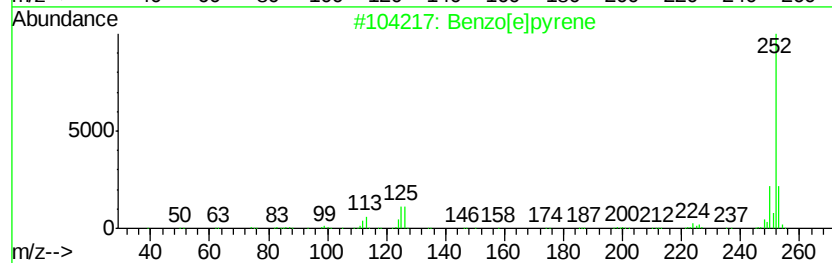
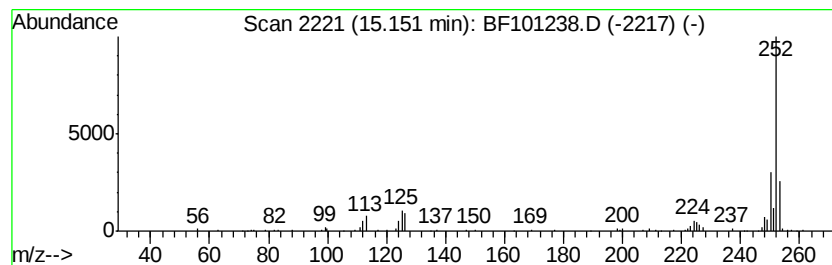
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.15	6.80 ng	111620	Perylene-d12	15.47	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Perylene	252	C20H12	000198-55-0	86
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120817\
 Data File : BF101238.D
 Acq On : 8 Dec 2017 16:23
 Operator : SJ/JU
 Sample : I6794-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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...	5.06	5.5	ng	81079	1	6.82	294678	20.0
unknown6.60	6.60	87.6	ng	1290040	1	6.82	294678	20.0
Anthracene, 1,2,3...	11.20	4.0	ng	92292	4	11.35	466784	20.0
Phenanthrene, 2-m...	11.85	9.7	ng	226170	4	11.35	466784	20.0
Phenanthrene, 1-m...	11.93	5.5	ng	127251	4	11.35	466784	20.0
4H-Cyclopenta[def...	11.97	17.8	ng	415293	4	11.35	466784	20.0
Naphthalene, 2-ph...	12.15	6.3	ng	148051	4	11.35	466784	20.0
Phenanthrene, 2,5...	12.40	8.0	ng	187577	4	11.35	466784	20.0
unknown12.45	12.45	8.5	ng	197455	4	11.35	466784	20.0
Cyclopenta(def)ph...	12.50	4.9	ng	114067	4	11.35	466784	20.0
11H-Benzo[b]fluorene	13.13	3.9	ng	253959	5	14.00	1289830	20.0
Heneicosyl heptaf...	13.82	4.8	ng	308958	5	14.00	1289830	20.0
1,1'-Binaphthalene	14.88	4.4	ng	72115	6	15.47	328445	20.0
Benzo[e]pyrene	15.15	6.8	ng	111620	6	15.47	328445	20.0