

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097340.D
 Acq On : 4 Aug 2017 2:12
 Operator : SJ/JU
 Sample : I4522-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-SS1

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	4.569	451	456	475	rVB	591199	892427	12.18%	0.816%
2	5.045	533	537	556	rBV	2032649	2350433	32.08%	2.150%
3	6.122	713	720	733	rBV	2079284	2562442	34.97%	2.344%
4	6.222	733	737	744	rVB	2374175	2224284	30.36%	2.035%
5	6.445	772	775	780	rBV	773090	681530	9.30%	0.623%
6	6.604	798	802	812	rBV	1877000	1742625	23.78%	1.594%
7	7.016	868	872	879	rBV	1588964	1488262	20.31%	1.361%
8	7.728	990	993	995	rBV	1065279	913256	12.46%	0.835%
9	7.751	995	997	1002	rVV	1132031	883901	12.06%	0.809%
10	8.439	1110	1114	1118	rBV	580327	475853	6.49%	0.435%
11	8.533	1127	1130	1139	rVB	461450	397040	5.42%	0.363%
12	8.804	1172	1176	1179	rVB	2267369	1981025	27.04%	1.812%
13	9.063	1215	1220	1224	rBV2	196495	272336	3.72%	0.249%
14	9.133	1229	1232	1235	rVV	363140	371188	5.07%	0.340%
15	9.204	1241	1244	1248	rVV	378900	334908	4.57%	0.306%
16	9.251	1248	1252	1258	rVV2	201213	263269	3.59%	0.241%
17	9.327	1261	1265	1270	rVB	385062	370188	5.05%	0.339%
18	9.469	1284	1289	1292	rVV3	828558	861074	11.75%	0.788%
19	9.504	1292	1295	1299	rVV	1870466	1587491	21.67%	1.452%
20	9.675	1320	1324	1327	rVV	1144791	987594	13.48%	0.903%
21	10.016	1378	1382	1385	rVV	1555916	1386289	18.92%	1.268%
22	10.080	1388	1393	1394	rVV	271732	355616	4.85%	0.325%
23	10.098	1394	1396	1399	rVV	328414	296510	4.05%	0.271%
24	10.174	1406	1409	1414	rVV	495926	478353	6.53%	0.438%
25	10.257	1414	1423	1427	rVV	1431119	1596207	21.79%	1.460%
26	10.386	1441	1445	1451	rVB3	255405	390046	5.32%	0.357%
27	10.557	1470	1474	1477	rVV3	368558	496839	6.78%	0.455%
28	10.710	1498	1500	1502	rVV2	256379	254961	3.48%	0.233%
29	10.763	1506	1509	1512	rVB	582309	569124	7.77%	0.521%
30	10.804	1512	1516	1519	rBV	478557	475800	6.49%	0.435%
31	10.839	1519	1522	1525	rBV	782352	655960	8.95%	0.600%
32	10.986	1536	1547	1549	rBV	3924386	7326979	100.00%	6.703%
33	11.027	1549	1554	1557	rVB	2453466	2519238	34.38%	2.305%
34	11.057	1557	1559	1563	rBV	434434	389557	5.32%	0.356%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
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35	11.163	1574	1577	1578	rBV	316772	269559	3.68%	0.247%
36	11.186	1578	1581	1583	rVB	1164594	1008685	13.77%	0.923%
37	11.357	1607	1610	1614	rVB3	184182	220601	3.01%	0.202%
38	11.445	1621	1625	1628	rBV	1170772	1197856	16.35%	1.096%
39	11.474	1628	1630	1633	rVB	1468283	1355147	18.50%	1.240%
40	11.521	1633	1638	1641	rBV	767800	766073	10.46%	0.701%
41	11.557	1641	1644	1646	rBV	1844312	1822388	24.87%	1.667%
42	11.580	1646	1648	1654	rVB	966209	820602	11.20%	0.751%
43	11.627	1654	1656	1659	rBV2	232111	255887	3.49%	0.234%
44	11.739	1672	1675	1678	rVB	814141	666578	9.10%	0.610%
45	11.780	1678	1682	1685	rVB	609193	664018	9.06%	0.607%
46	11.886	1695	1700	1703	rBV	368152	406105	5.54%	0.372%
47	11.992	1714	1718	1721	rBV	593435	696733	9.51%	0.637%
48	12.033	1721	1725	1727	rBV2	242765	294694	4.02%	0.270%
49	12.092	1731	1735	1741	rVB2	550549	808730	11.04%	0.740%
50	12.180	1741	1750	1752	rBV	3760921	7182027	98.02%	6.570%
51	12.221	1752	1757	1760	rBV2	323367	425339	5.81%	0.389%
52	12.304	1767	1771	1775	rBV3	583714	709704	9.69%	0.649%
53	12.404	1780	1788	1791	rBV3	3391533	6811473	92.96%	6.231%
54	12.433	1791	1793	1799	rVB2	568583	647791	8.84%	0.593%
55	12.504	1801	1805	1807	rBV	823105	863062	11.78%	0.790%
56	12.527	1807	1809	1816	rVB2	1532952	2127119	29.03%	1.946%
57	12.604	1816	1822	1825	rBV2	725332	1260258	17.20%	1.153%
58	12.633	1825	1827	1829	rVB	333312	253612	3.46%	0.232%
59	12.686	1832	1836	1838	rBV3	498357	679996	9.28%	0.622%
60	12.716	1838	1841	1844	rVB	1357218	1372213	18.73%	1.255%
61	12.774	1848	1851	1854	rBV	898769	896985	12.24%	0.821%
62	12.816	1854	1858	1865	rBV3	1043406	1573046	21.47%	1.439%
63	12.904	1870	1873	1876	rBV	500059	437666	5.97%	0.400%
64	12.933	1876	1878	1887	rVB2	609106	730242	9.97%	0.668%
65	13.021	1891	1893	1897	rVB	264851	263216	3.59%	0.241%
66	13.127	1906	1911	1913	rBV3	311391	440704	6.01%	0.403%
67	13.221	1924	1927	1930	rBV	754900	691761	9.44%	0.633%
68	13.327	1940	1945	1946	rBV2	731500	889096	12.13%	0.813%
69	13.345	1946	1948	1951	rVB	647638	577308	7.88%	0.528%
70	13.374	1951	1953	1955	rBV	520518	464628	6.34%	0.425%
71	13.439	1960	1964	1969	rVV	734358	962609	13.14%	0.881%

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72	13.492	1970	1973	1977	rVB	266423	284253	3.88%	0.260%
73	13.580	1979	1988	1990	rBV3	2443364	4874900	66.53%	4.460%
74	13.615	1991	1994	2000	rVB	2502904	3226582	44.04%	2.952%
75	13.680	2000	2005	2008	rBV2	784400	858228	11.71%	0.785%
76	13.727	2011	2013	2015	rVV	241576	253655	3.46%	0.232%
77	13.768	2018	2020	2022	rVV	402209	418473	5.71%	0.383%
78	13.804	2024	2026	2030	rVB	444748	423318	5.78%	0.387%
79	13.927	2044	2047	2049	rBV2	330894	402639	5.50%	0.368%
80	13.962	2049	2053	2056	rVV	838116	922390	12.59%	0.844%
81	13.992	2056	2058	2061	rVB2	383423	342350	4.67%	0.313%
82	14.057	2067	2069	2071	rVB	295055	221890	3.03%	0.203%
83	14.086	2071	2074	2075	rVV	364161	351285	4.79%	0.321%
84	14.104	2075	2077	2080	rVV	370740	309680	4.23%	0.283%
85	14.151	2083	2085	2091	rVB3	288253	335864	4.58%	0.307%
86	14.280	2103	2107	2114	rBV5	313924	480502	6.56%	0.440%
87	14.433	2130	2133	2138	rVB	320333	349314	4.77%	0.320%
88	14.580	2152	2158	2165	rBV	1824645	4416529	60.28%	4.040%
89	14.662	2169	2172	2176	rVB	575679	569903	7.78%	0.521%
90	14.745	2181	2186	2188	rBV3	164283	304886	4.16%	0.279%
91	14.827	2194	2200	2204	rBV	1131788	1703427	23.25%	1.558%
92	14.886	2204	2210	2213	rVB	1648593	2307216	31.49%	2.111%
93	14.921	2213	2216	2218	rBV	233359	229792	3.14%	0.210%
94	14.951	2218	2221	2227	rVB2	731203	901635	12.31%	0.825%
95	15.968	2389	2394	2396	rBV2	155847	265111	3.62%	0.243%
96	16.139	2416	2423	2428	rBV	837016	1632632	22.28%	1.494%
97	16.262	2440	2444	2448	rBV	271210	416273	5.68%	0.381%
98	16.309	2449	2452	2458	rVB2	189042	295532	4.03%	0.270%
99	16.503	2478	2485	2493	rVB	655303	1335087	18.22%	1.221%
100	16.686	2512	2516	2527	rVB2	228033	531682	7.26%	0.486%

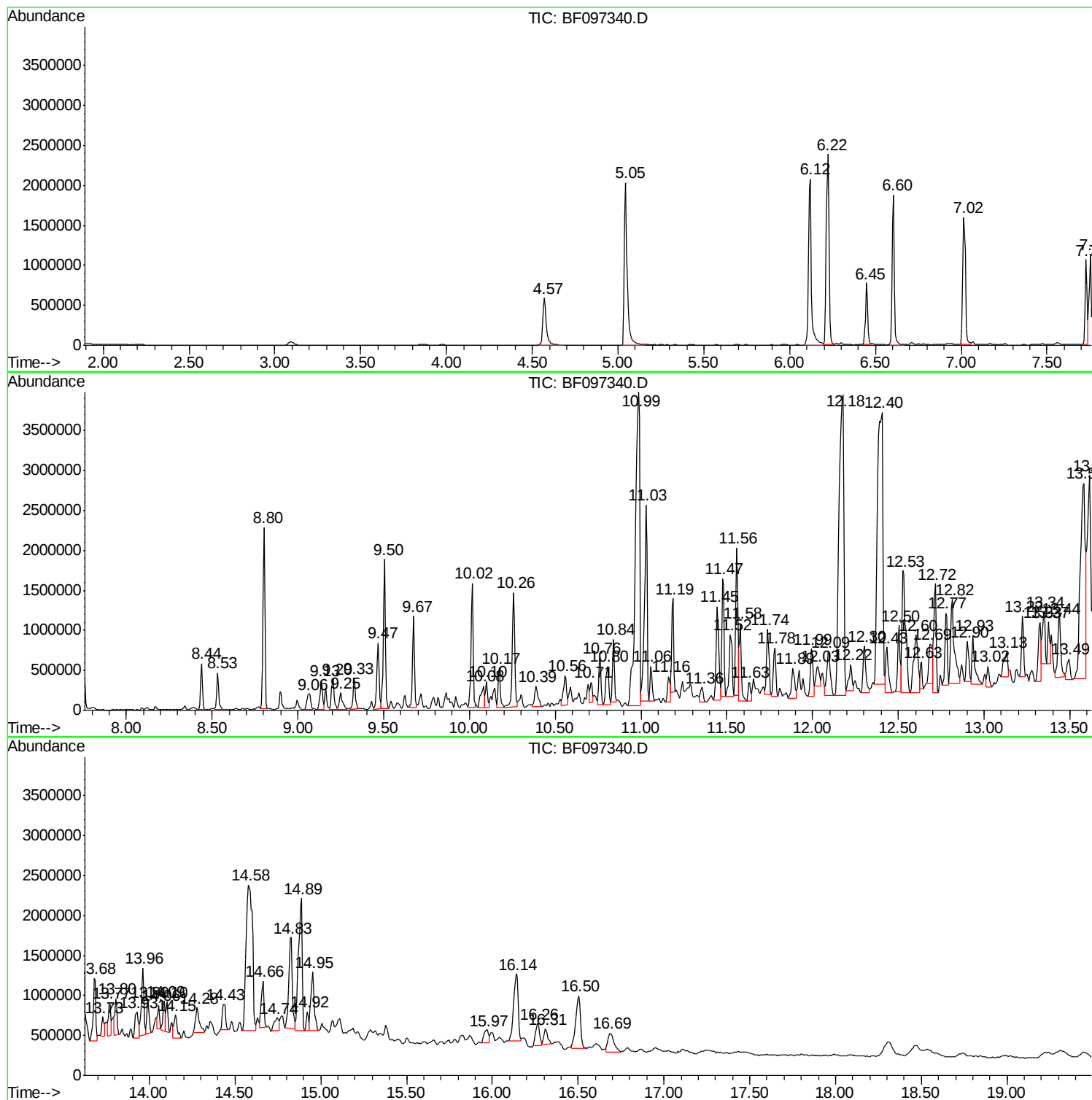
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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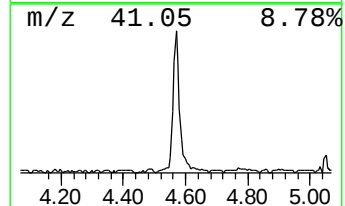
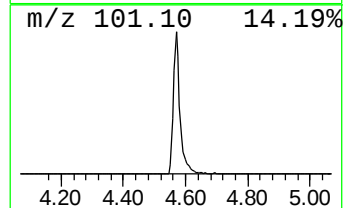
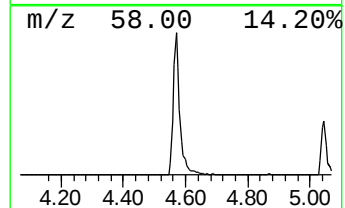
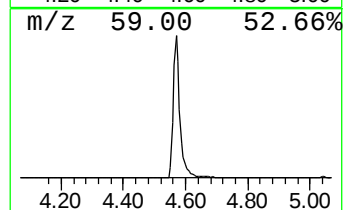
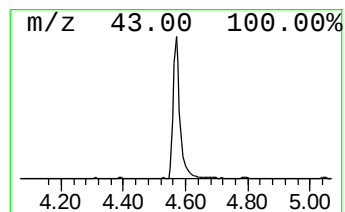
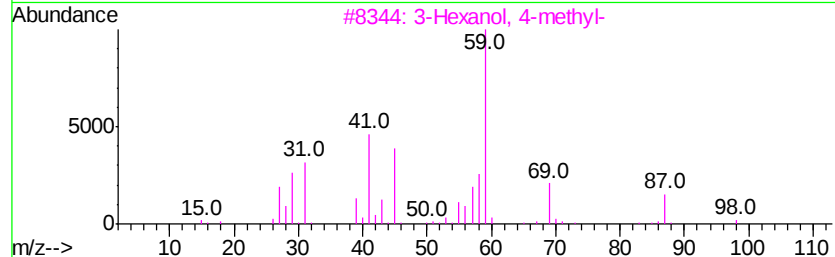
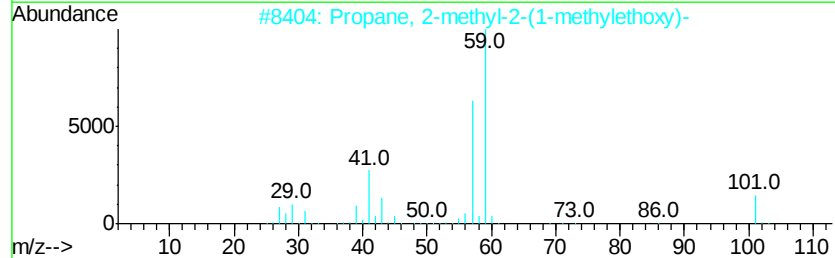
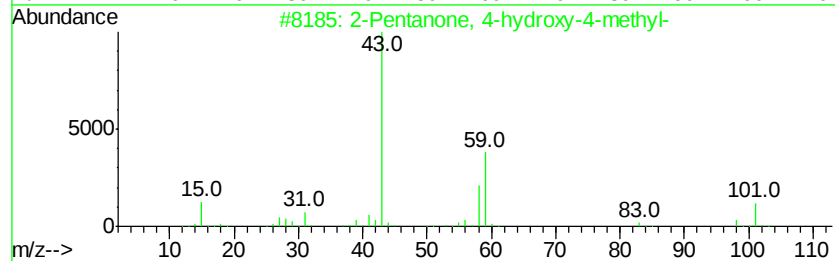
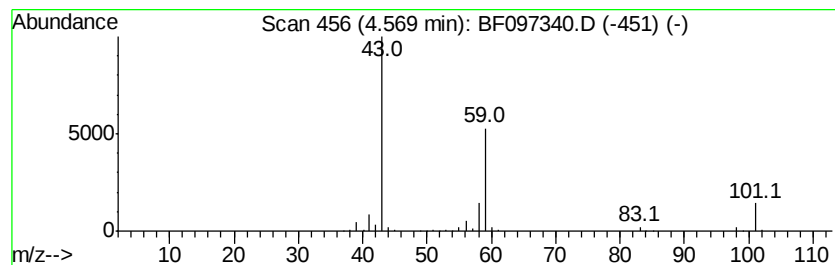
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	26.19 ng	892427	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5		Propanoic acid, 2-nitro-, methyl...	133	C4H7NO4	006118-50-9	9



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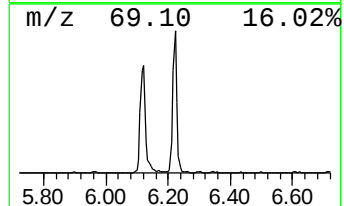
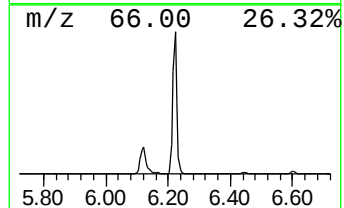
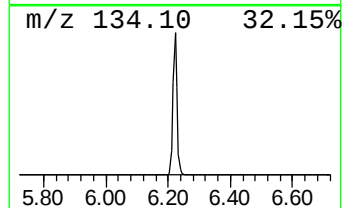
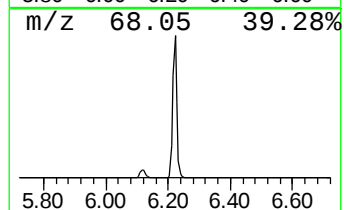
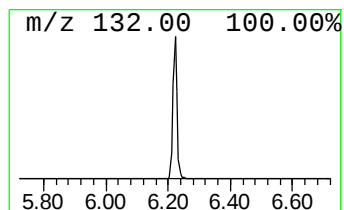
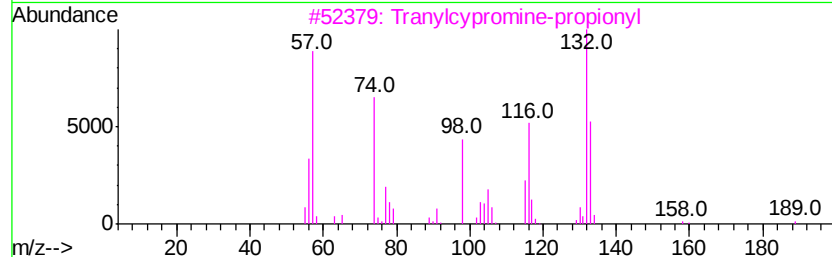
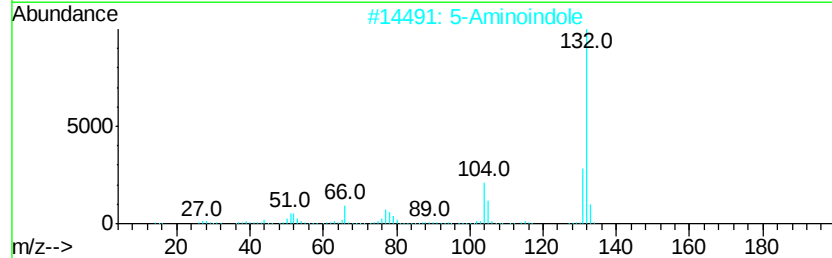
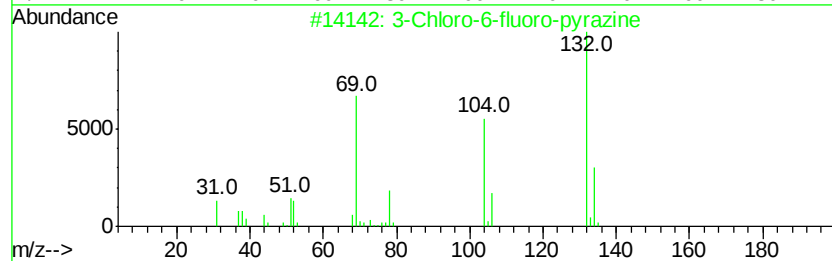
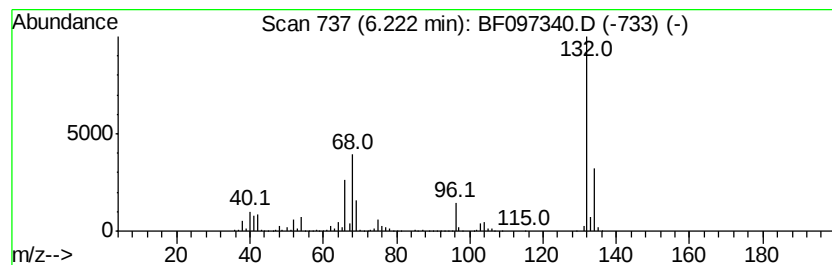
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.22 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	65.27 ng	2224280	1,4-Dichlorobenzene-d4	6.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4			Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5			1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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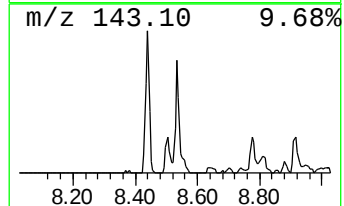
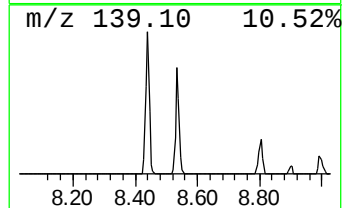
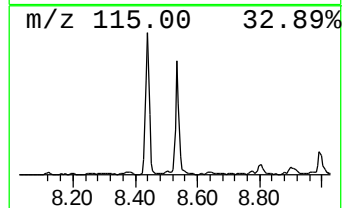
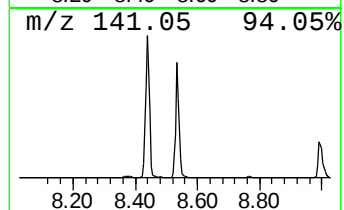
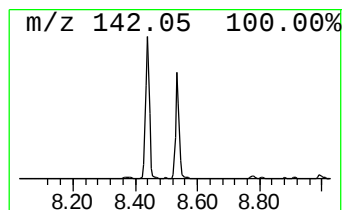
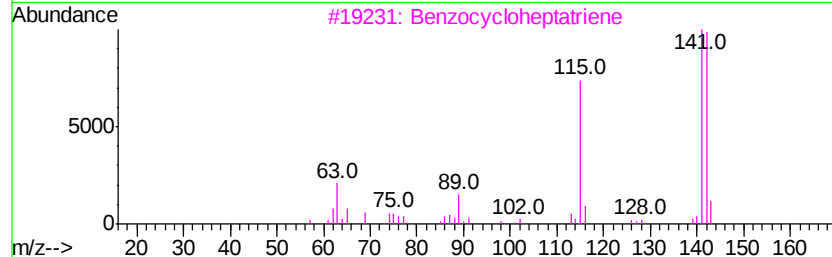
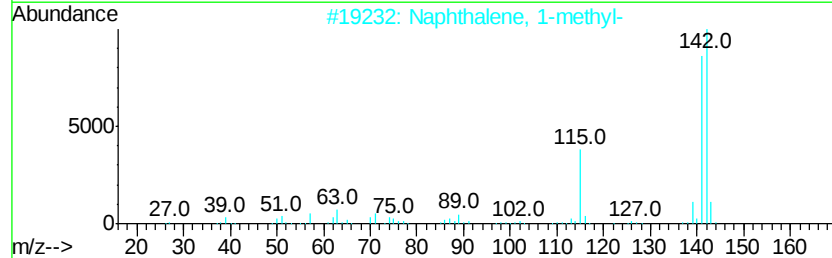
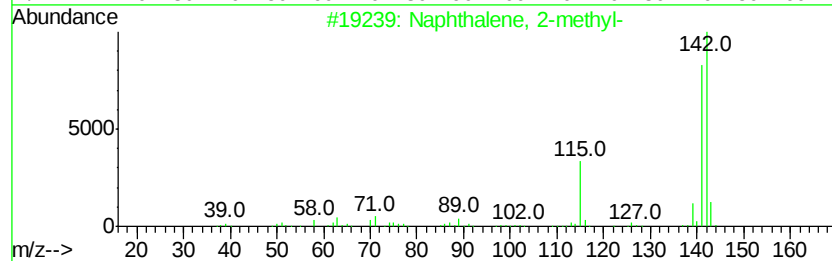
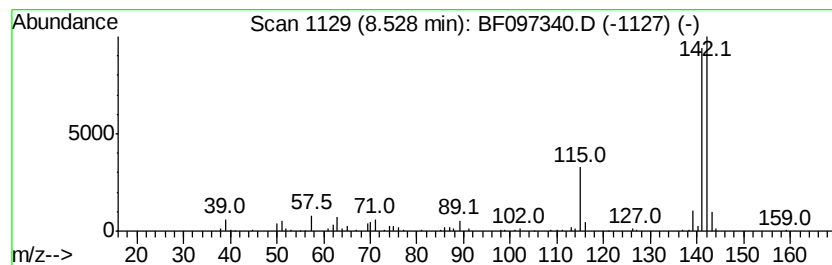
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	8.70 ng	397040	Naphthalene-d8	7.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	94
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91



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Operator : SJ/JU
Sample : I4522-01
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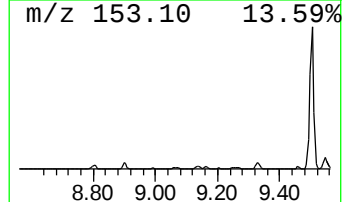
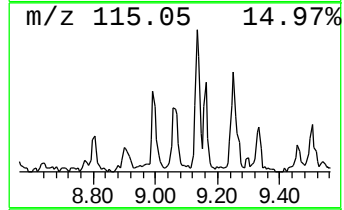
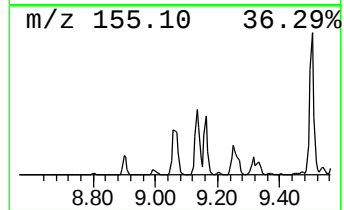
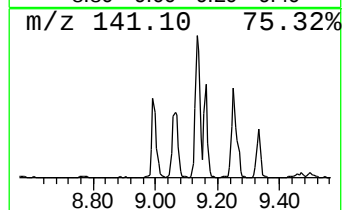
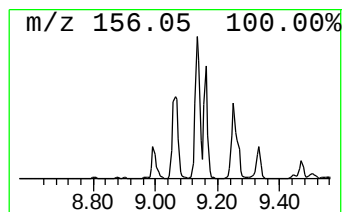
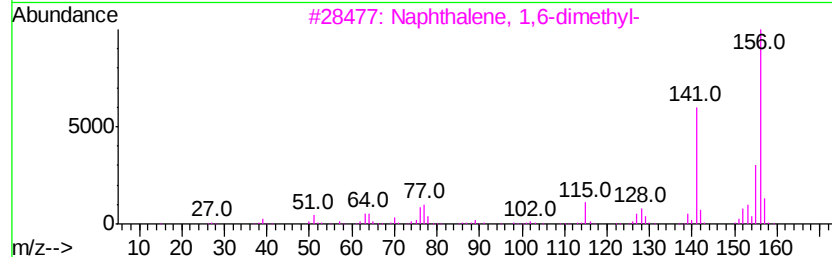
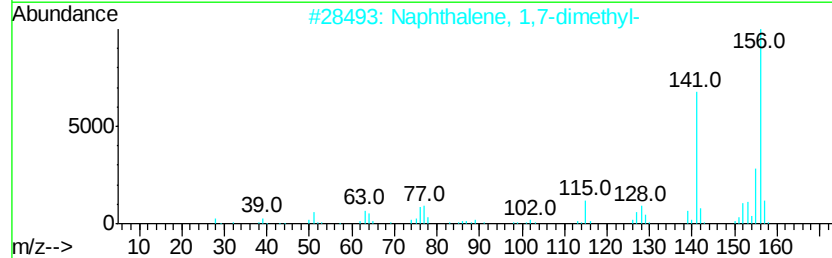
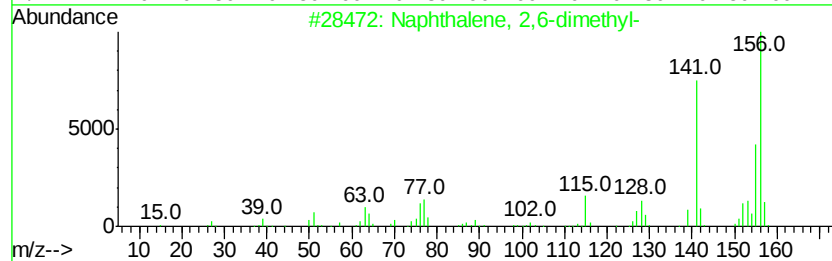
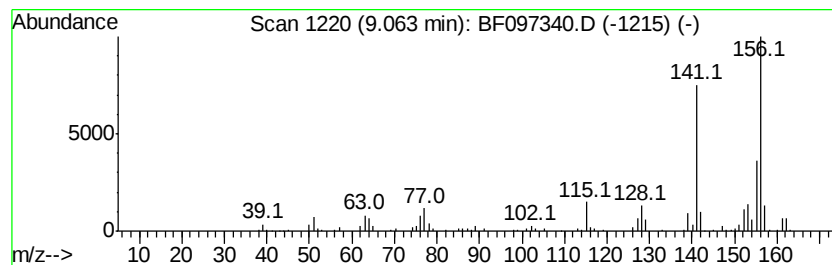
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.06	6.33 ng	272336	Acenaphthene-d10		9.47
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
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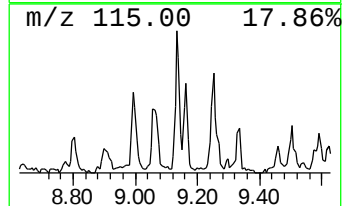
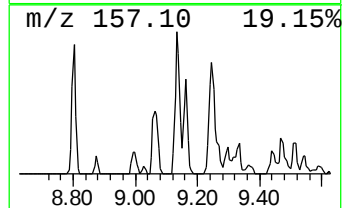
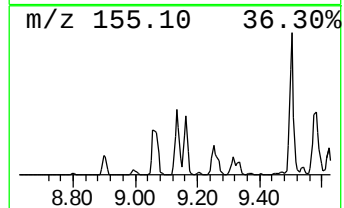
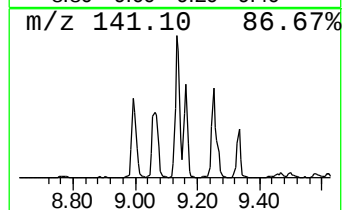
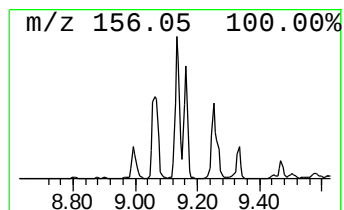
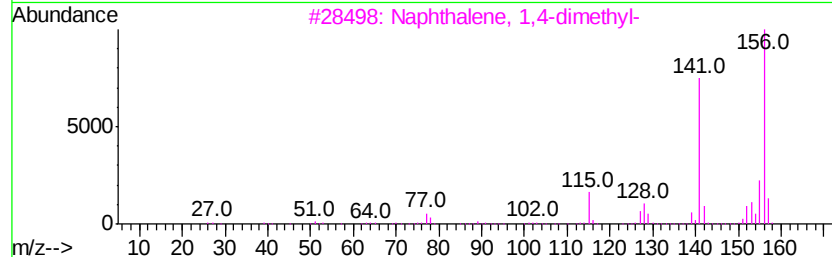
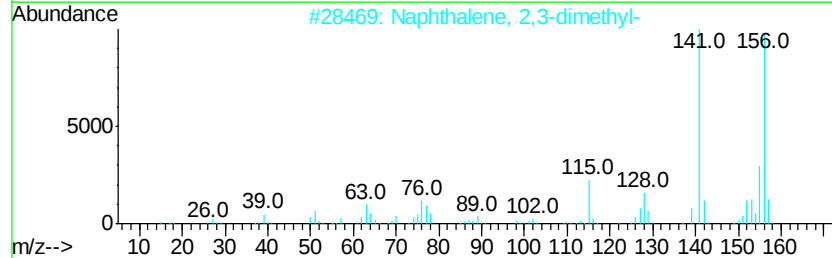
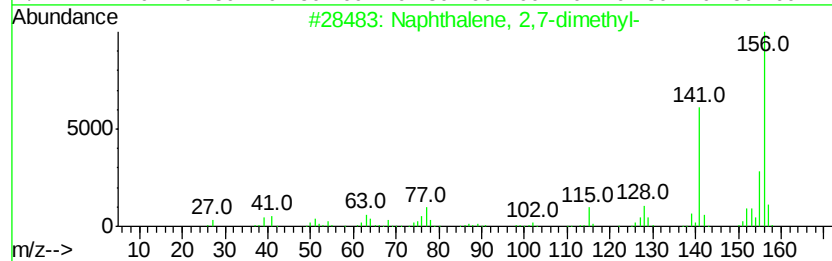
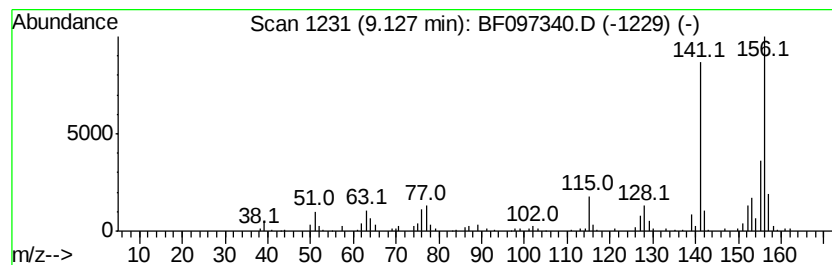
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	8.62 ng	371188	Acenaphthene-d10	9.47
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
2		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
3		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96
5		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
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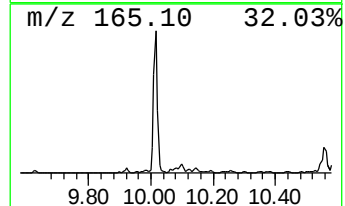
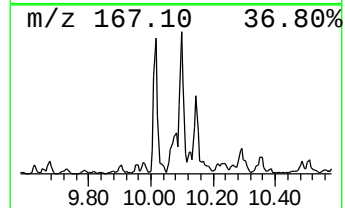
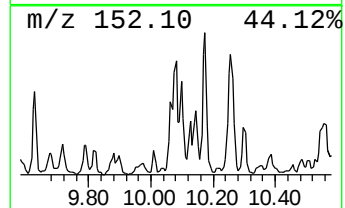
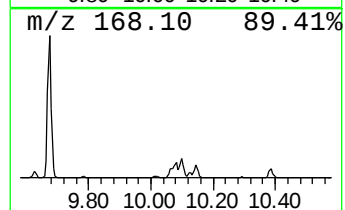
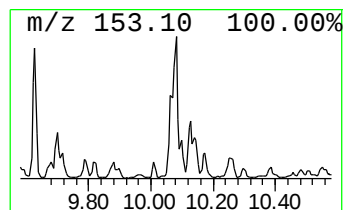
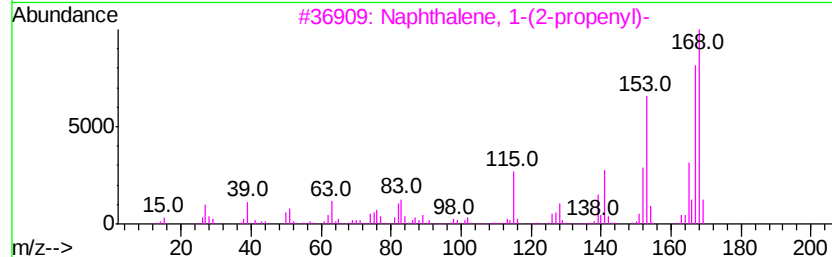
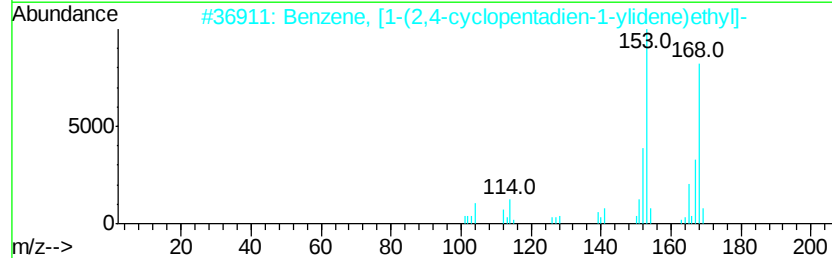
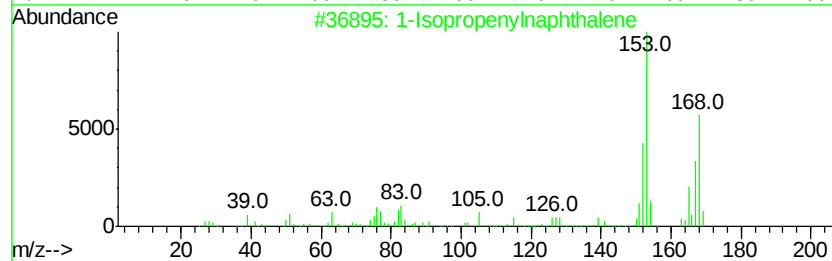
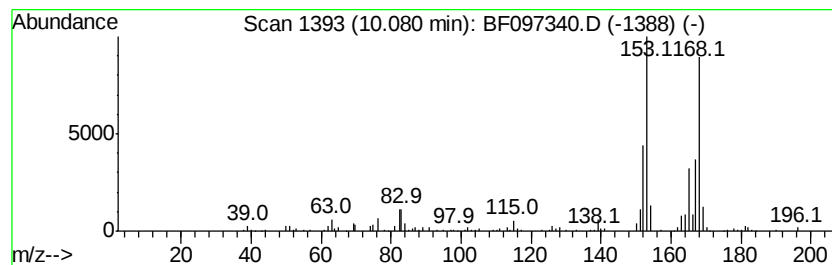
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Isopropenylnaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	8.26 ng	355616	Acenaphthene-d10	9.47
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Isopropenylnaphthalene	168 C13H12	001855-47-6 93
2		Benzene, [1-(2,4-cyclopentadien-...	168 C13H12	002320-32-3 90
3		Naphthalene, 1-(2-propenyl)-	168 C13H12	002489-86-3 72
4		Naphthalene, 2-(1-methylethenyl)-	168 C13H12	003710-23-4 64
5		Diphenylmethane	168 C13H12	000101-81-5 53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
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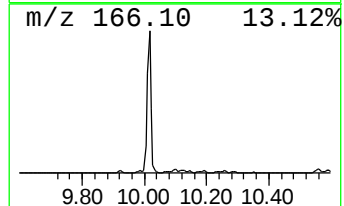
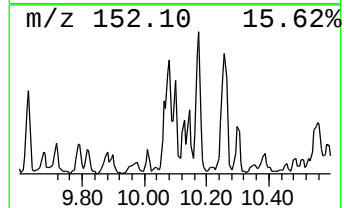
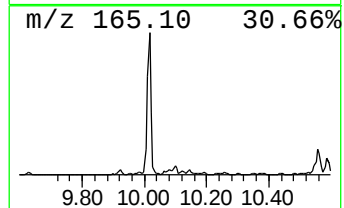
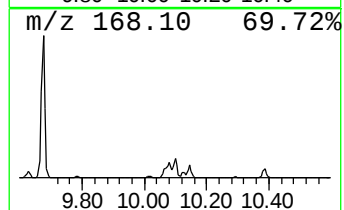
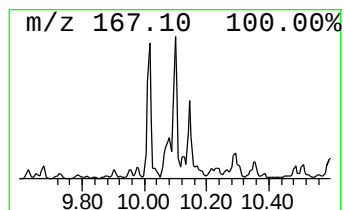
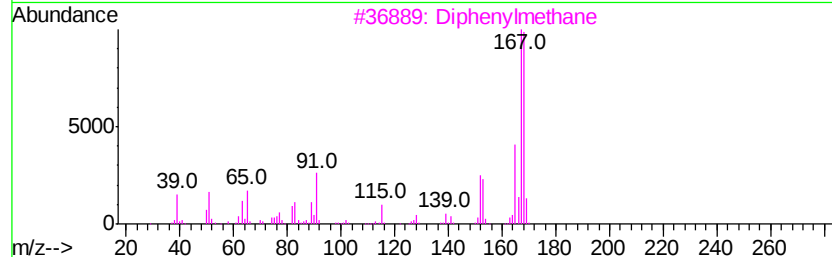
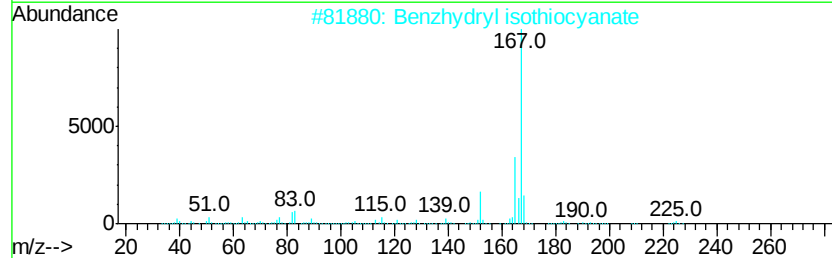
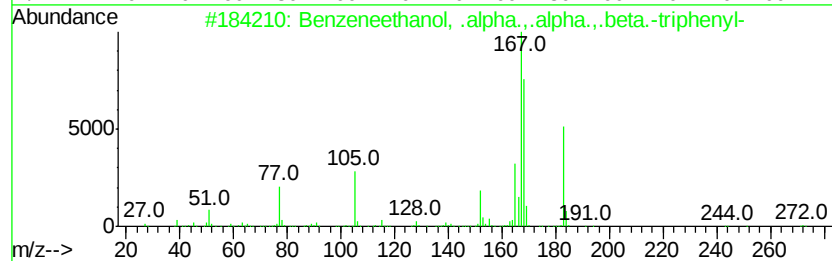
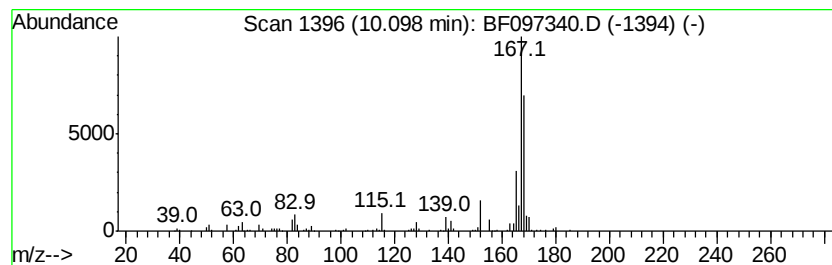
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzeneethanol, .alpha.,.al... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	6.89 ng	296510	Acenaphthene-d10	9.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	90
2		Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	64
3		Diphenylmethane	168	C13H12	000101-81-5	60
4		Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	59
5		Benzene, 1,1'-[[4-methylphenyl]...	290	C20H18S	032110-49-9	59



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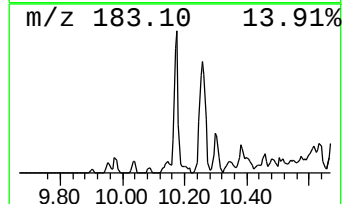
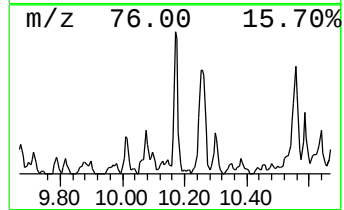
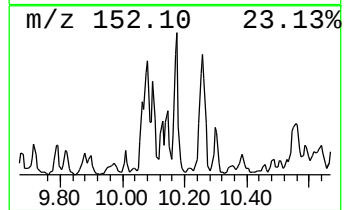
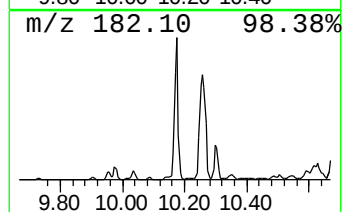
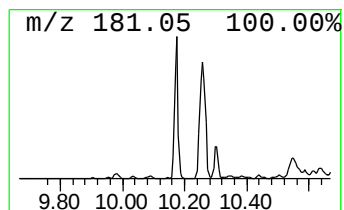
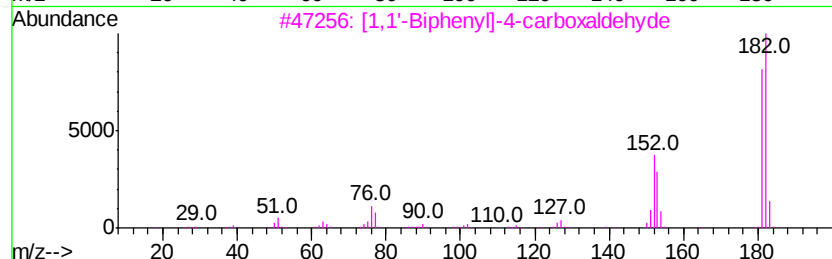
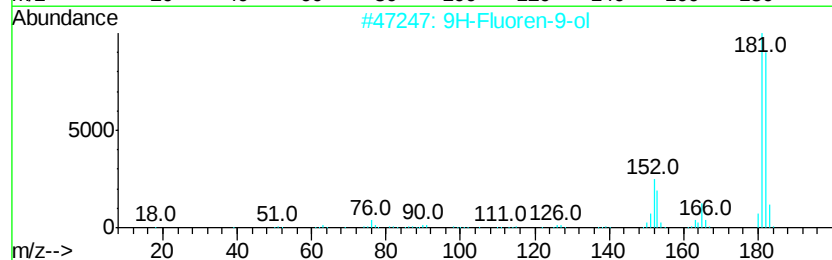
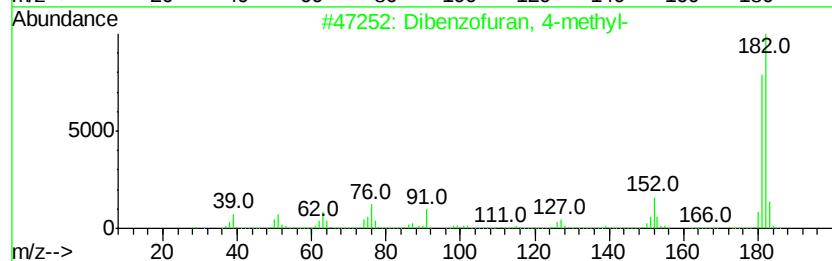
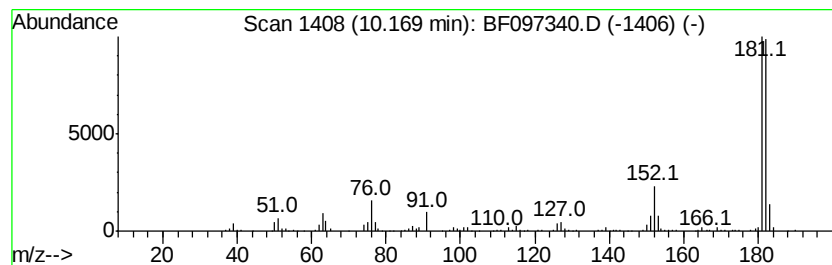
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	11.11 ng	478353	Acenaphthene-d10	9.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
4		9H-Xanthene	182	C13H10O	000092-83-1	60
5		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	56



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
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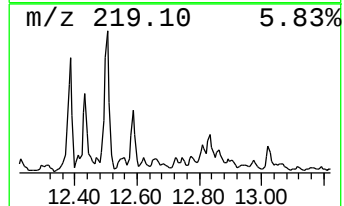
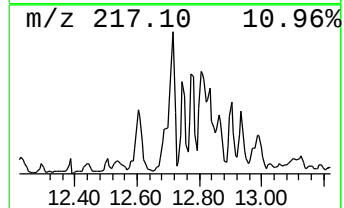
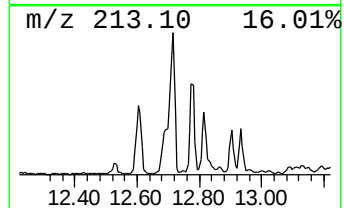
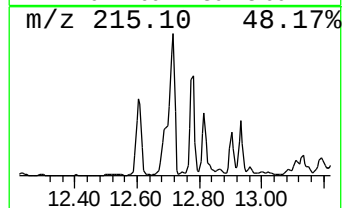
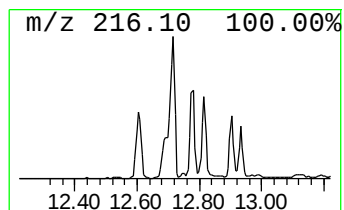
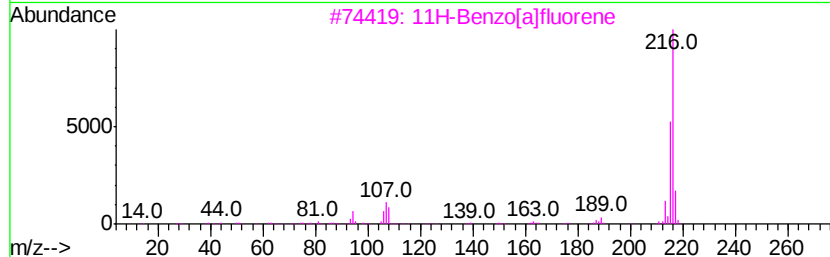
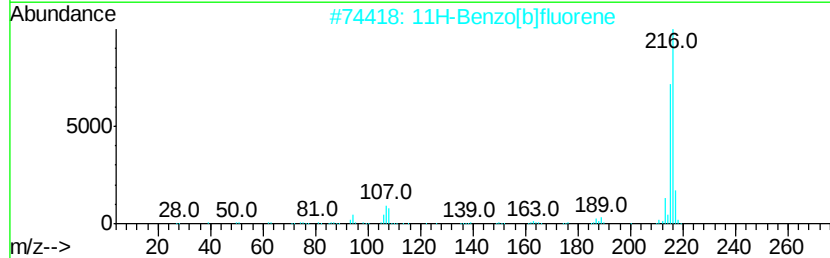
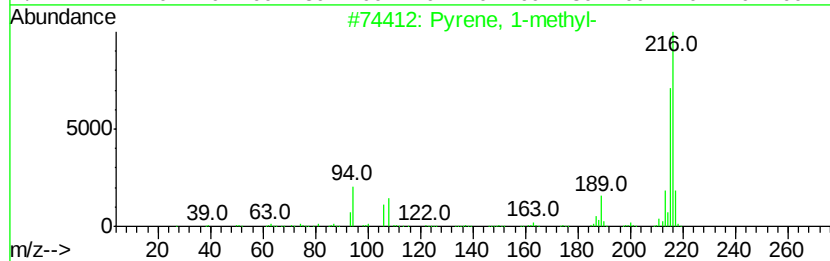
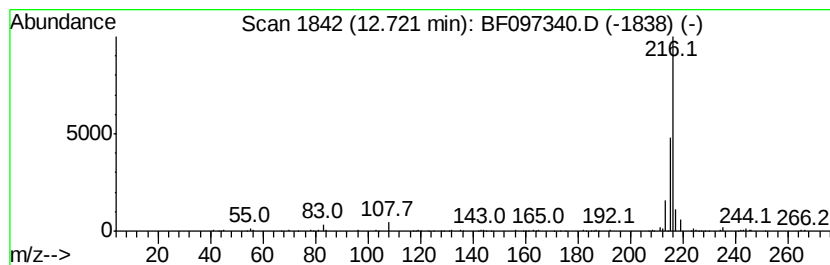
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	5.63 ng	1372210	Chrysene-d12	13.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
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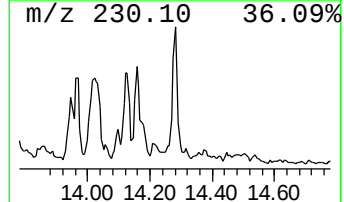
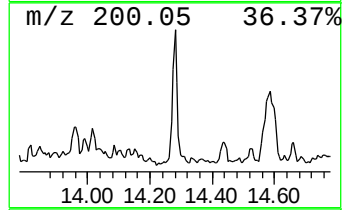
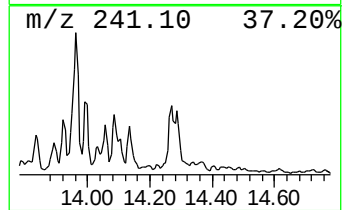
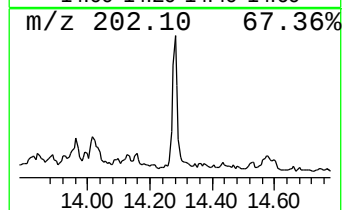
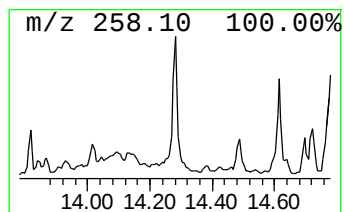
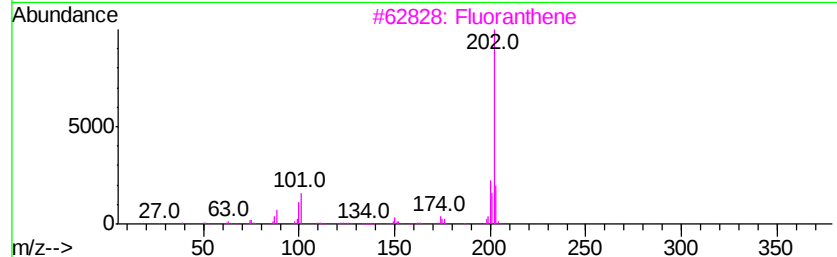
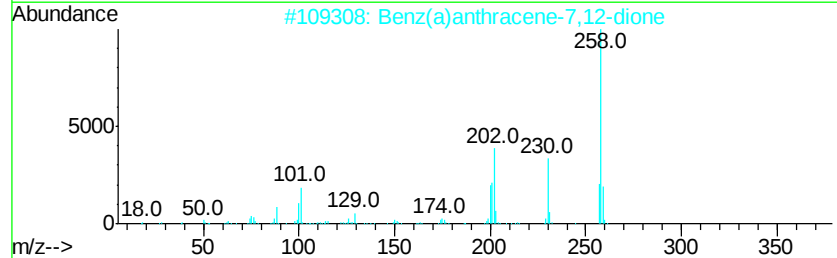
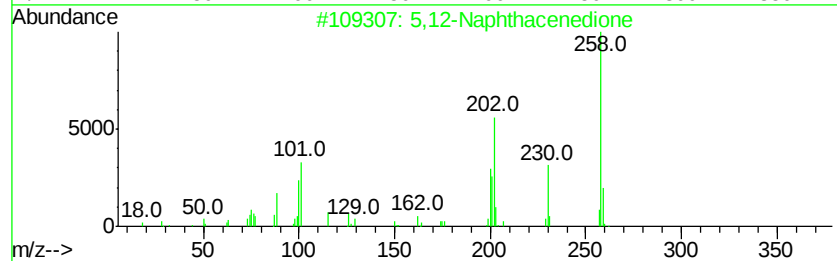
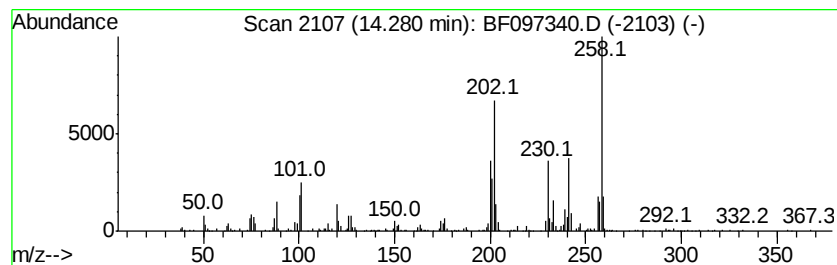
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ClientSampleId :
TP-2-SS1

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 12 5,12-Naphthacenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.28	41.82 ng	480502	Perylene-d12	14.92	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	94
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	86
3	Fluoranthene	202	C16H10	000206-44-0	58
4	Pyrene	202	C16H10	000129-00-0	55
5	Benzo[1,2-b:3,4-b']bisbenzofuran	258	C18H10O2	000198-88-9	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
Data File : BF097340.D
Acq On : 4 Aug 2017 2:12
Operator : SJ/JU
Sample : I4522-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

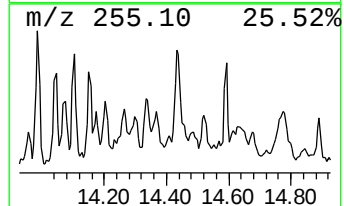
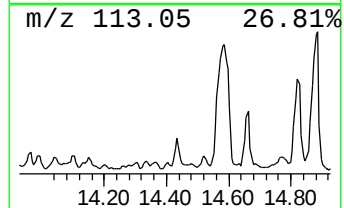
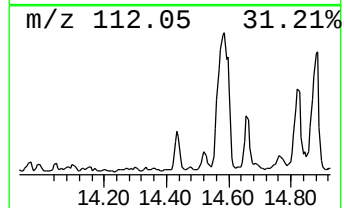
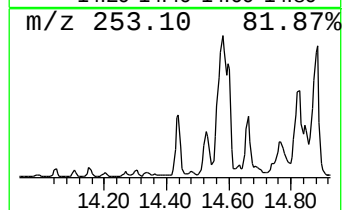
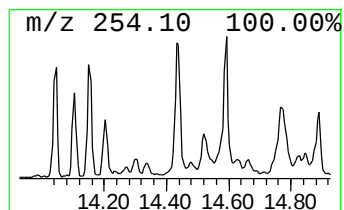
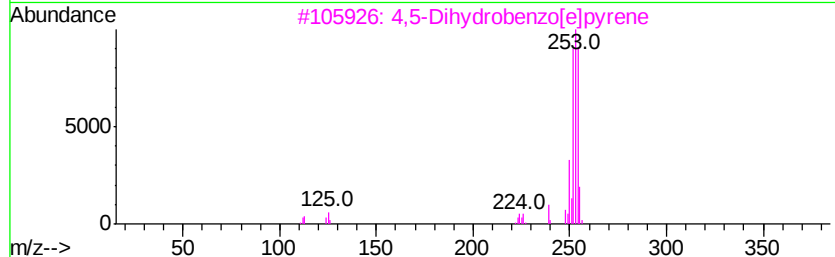
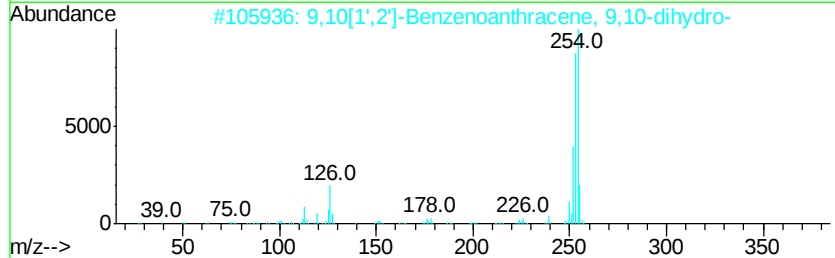
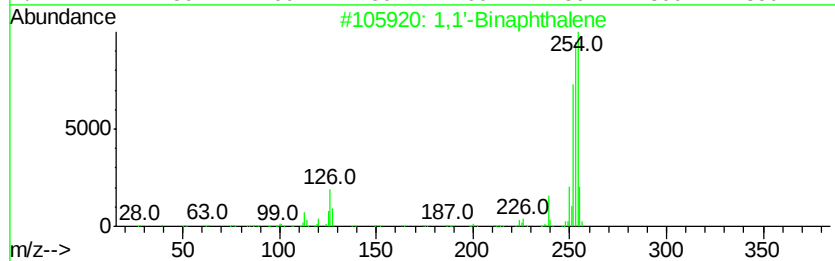
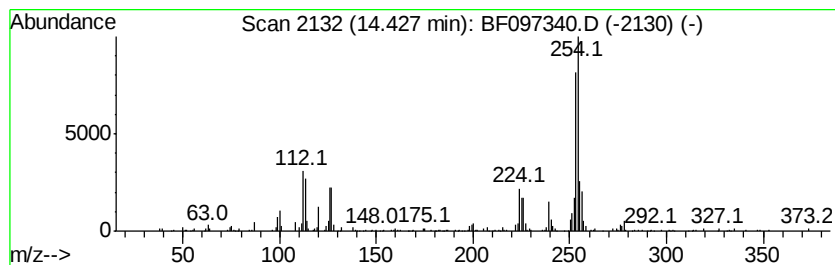
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ClientSampleId :
TP-2-SS1

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 13 1,1'-Binaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	30.40 ng	349314	Perylene-d12	14.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5 70
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8 58
3	4,5-Dihydrobenzo[el]pyrene	254	C20H14	095676-42-9 58
4	1H-Indene, 1,1'-(1,2-ethanedivli...	254	C20H14	072088-04-1 58
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9 53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097340.D
Acq On : 4 Aug 2017 2:12
Operator : SJ/JU
Sample : I4522-01
Misc :
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TP-2-SS1

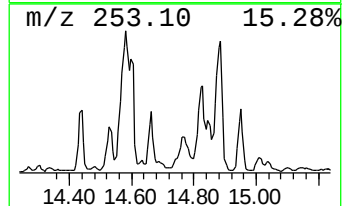
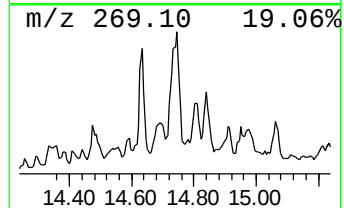
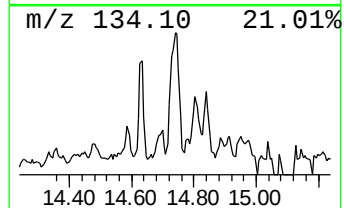
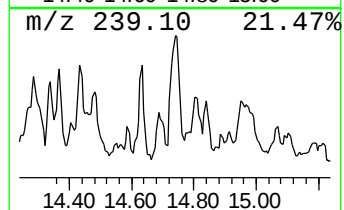
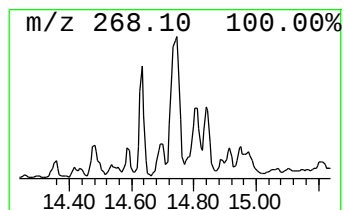
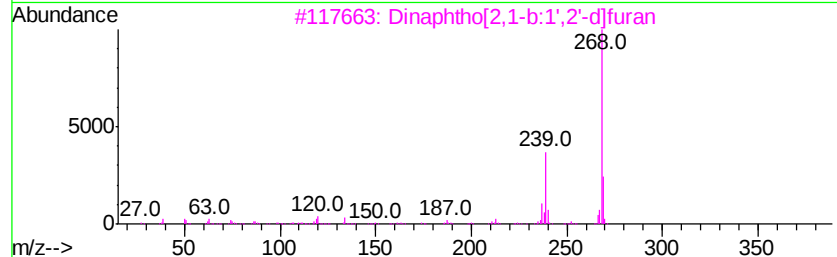
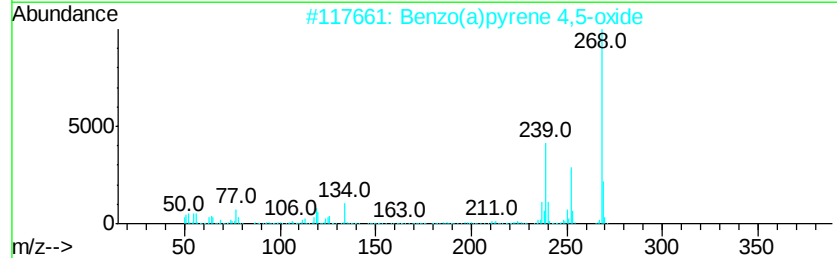
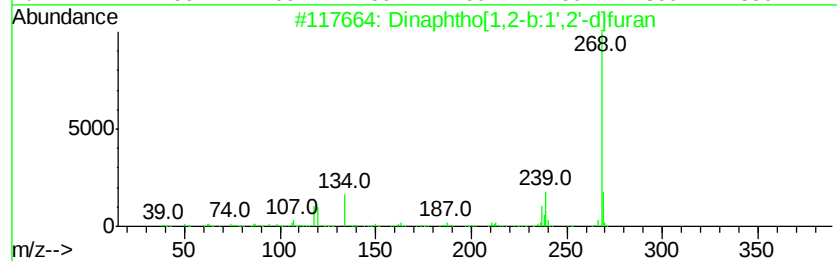
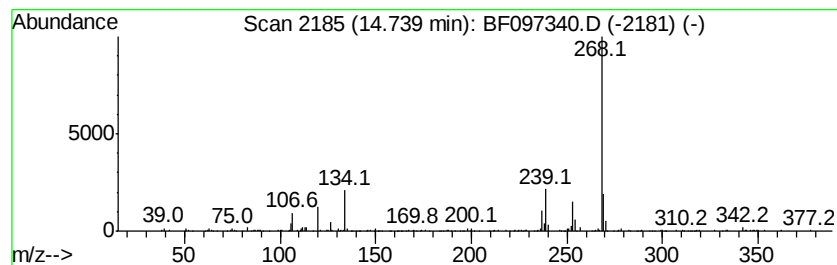
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	26.54 ng	304886	Perylene-d12	14.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	87
2		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
3		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	59
4		Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	58
5		1-{4-[2-(4-Methoxymethylphenyl)v...	268	C18H20O2	1000202-15-4	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097340.D
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Operator : SJ/JU
Sample : I4522-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2-SS1

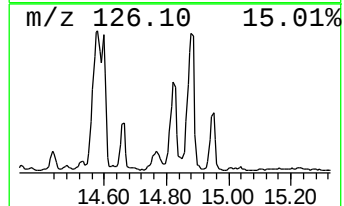
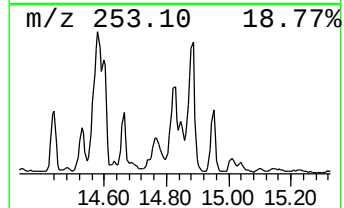
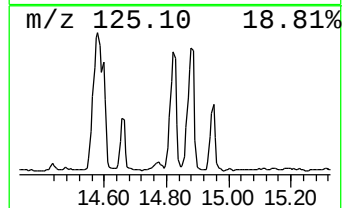
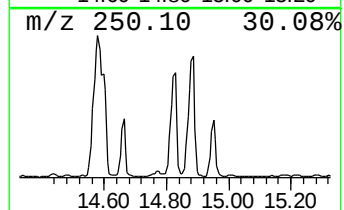
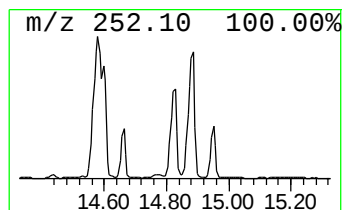
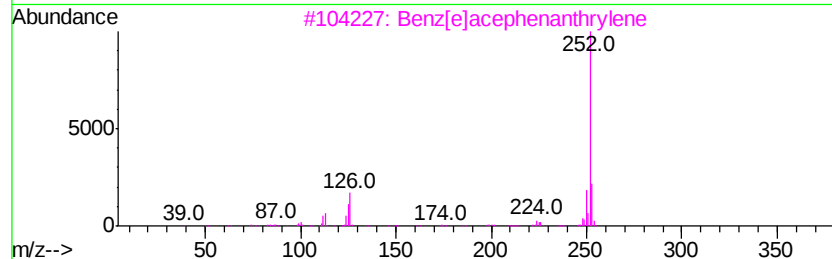
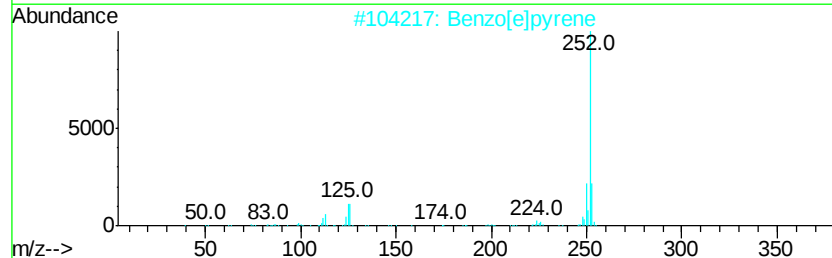
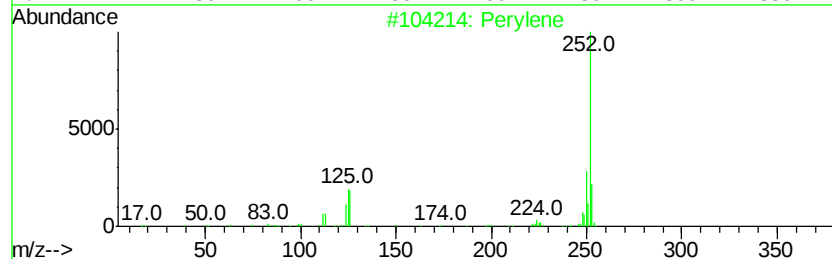
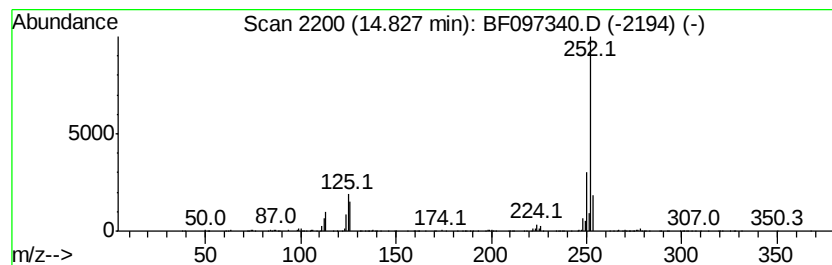
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	148.26 ng	1703430	Perylene-d12	14.92

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097340.D
Acq On : 4 Aug 2017 2:12
Operator : SJ/JU
Sample : I4522-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

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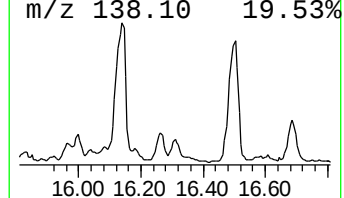
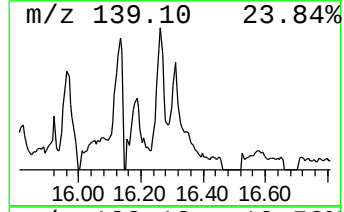
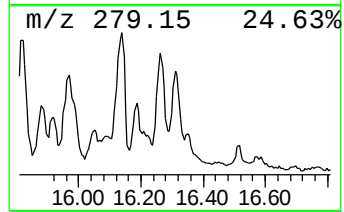
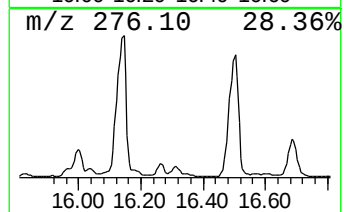
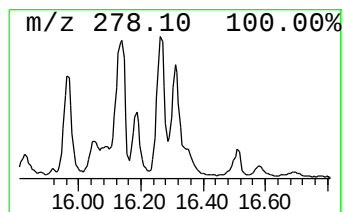
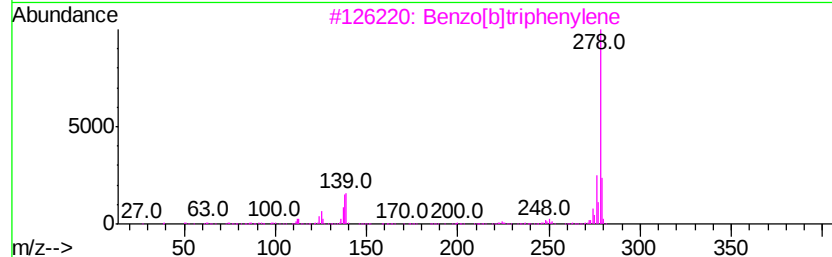
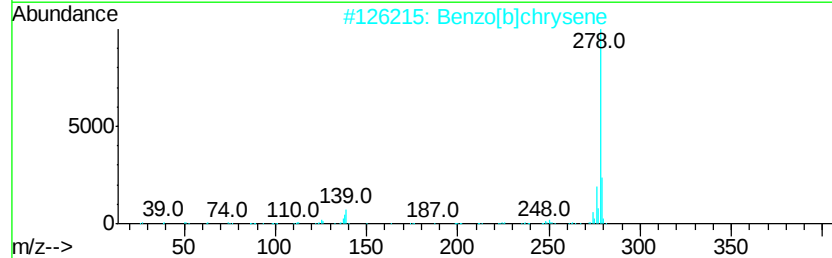
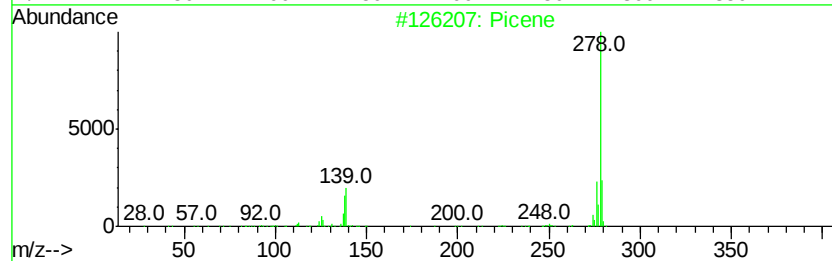
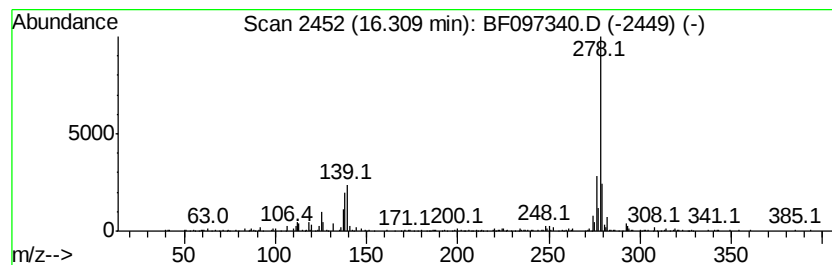
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	25.72 ng	295532	Perylene-d12	14.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	97
2		Benzo[b]chrysene	278	C22H14	000214-17-5	97
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	94
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
5		Pentaphene	278	C22H14	000222-93-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
 Data File : BF097340.D
 Acq On : 4 Aug 2017 2:12
 Operator : SJ/JU
 Sample : I4522-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-SS1

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...	4.57	26.2	ng	892427	1	6.45	681530	20.0
unknown6.22	6.22	65.3	ng	2224280	1	6.45	681530	20.0
Naphthalene, 1-me...	8.53	8.7	ng	397040	2	7.73	913256	20.0
Naphthalene, 2,6-...	9.06	6.3	ng	272336	3	9.47	861074	20.0
Naphthalene, 2,7-...	9.13	8.6	ng	371188	3	9.47	861074	20.0
1-Isopropenyl naph...	10.08	8.3	ng	355616	3	9.47	861074	20.0
Benzeneethanol, ...	10.10	6.9	ng	296510	3	9.47	861074	20.0
Dibenzofuran, 4-m...	10.17	11.1	ng	478353	3	9.47	861074	20.0
Pyrene, 1-methyl-	12.72	5.6	ng	1372210	5	13.59	4874900	20.0
5,12-Naphthacened...	14.28	41.8	ng	480502	6	14.92	229792	20.0
1,1'-Binaphthalene	14.43	30.4	ng	349314	6	14.92	229792	20.0
Dinaphtho[1,2-b:1...	14.74	26.5	ng	304886	6	14.92	229792	20.0
Perylene	14.83	148.3	ng	1703430	6	14.92	229792	20.0
Picene	16.31	25.7	ng	295532	6	14.92	229792	20.0