

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
 Data File : BF097400.D
 Acq On : 5 Aug 2017 16:37
 Operator : SJ/JU
 Sample : I4610-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-B

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	4.551	466	470	487	rBV	423574	791250	7.28%	0.514%
2	5.022	546	550	570	rBV	2303030	2750903	25.33%	1.786%
3	6.098	729	733	746	rBV	2390397	2845698	26.20%	1.848%
4	6.198	746	750	756	rVV	2573269	2626449	24.18%	1.706%
5	6.422	785	788	797	rVB	935104	850939	7.83%	0.553%
6	6.581	811	815	825	rBV	1942618	1898805	17.48%	1.233%
7	6.998	882	886	892	rBV	1838801	1686275	15.52%	1.095%
8	7.710	1003	1007	1008	rBV	1219721	1176215	10.83%	0.764%
9	7.734	1008	1011	1014	rVV	2640958	2611456	24.04%	1.696%
10	8.422	1124	1128	1131	rVB	2387644	2116253	19.48%	1.374%
11	8.522	1140	1145	1150	rVB	2162205	2235022	20.58%	1.451%
12	8.786	1186	1190	1193	rVB	2647261	2434134	22.41%	1.581%
13	8.881	1203	1206	1212	rVB	803059	731274	6.73%	0.475%
14	8.975	1220	1222	1229	rVB	423655	499597	4.60%	0.324%
15	9.045	1229	1234	1238	rBV2	1006238	1433507	13.20%	0.931%
16	9.122	1242	1247	1249	rVV	1507931	1640043	15.10%	1.065%
17	9.145	1249	1251	1255	rVV	1148524	937844	8.63%	0.609%
18	9.186	1255	1258	1263	rVV2	488224	549302	5.06%	0.357%
19	9.233	1263	1266	1272	rVB	835829	983110	9.05%	0.638%
20	9.316	1276	1280	1283	rBV	881760	819461	7.54%	0.532%
21	9.451	1298	1303	1305	rVV3	1258647	1518875	13.98%	0.986%
22	9.492	1305	1310	1313	rVV	3402857	3902088	35.92%	2.534%
23	9.563	1319	1322	1326	rVV2	395285	532470	4.90%	0.346%
24	9.663	1332	1339	1342	rVV	2917730	3242924	29.86%	2.106%
25	9.698	1342	1345	1348	rVV	634065	557117	5.13%	0.362%
26	9.769	1353	1357	1360	rBV	554364	584458	5.38%	0.380%
27	9.863	1368	1373	1374	rBV2	326700	436676	4.02%	0.284%
28	9.904	1378	1380	1384	rVB	464961	405721	3.74%	0.263%
29	10.010	1392	1398	1402	rVV	3395227	4549613	41.89%	2.954%
30	10.063	1402	1407	1408	rVV	488936	626846	5.77%	0.407%
31	10.080	1408	1410	1413	rVV	674654	558128	5.14%	0.362%
32	10.128	1416	1418	1420	rVV	484395	389295	3.58%	0.253%
33	10.157	1420	1423	1428	rVB	884881	886403	8.16%	0.576%
34	10.239	1428	1437	1441	rBV2	1663188	2139007	19.69%	1.389%

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

35	10.375	1455	1460	1465	rVB3	533632	901268	8.30%	0.585%
36	10.545	1484	1489	1491	rVV2	802765	1077090	9.92%	0.699%
37	10.569	1491	1493	1496	rVV	577129	525428	4.84%	0.341%
38	10.622	1499	1502	1505	rVB	470577	436835	4.02%	0.284%
39	10.786	1526	1530	1533	rBV	362698	424730	3.91%	0.276%
40	10.822	1533	1536	1540	rBV2	1653856	1663471	15.31%	1.080%
41	10.986	1551	1564	1565	rBV	4317743	10862093	100.00%	7.054%
42	11.022	1565	1570	1572	rVV	3317392	4173888	38.43%	2.710%
43	11.045	1572	1574	1577	rVV	481656	419971	3.87%	0.273%
44	11.169	1589	1595	1598	rBV	1986569	2064099	19.00%	1.340%
45	11.251	1606	1609	1615	rVB3	503420	814214	7.50%	0.529%
46	11.339	1621	1624	1627	rVB	351896	384575	3.54%	0.250%
47	11.427	1635	1639	1642	rBV	1603820	1838205	16.92%	1.194%
48	11.463	1642	1645	1648	rVB	1865595	1751752	16.13%	1.138%
49	11.510	1650	1653	1655	rBV	776639	732378	6.74%	0.476%
50	11.545	1655	1659	1661	rBV	2609735	3169697	29.18%	2.058%
51	11.645	1673	1676	1682	rVV3	393774	717343	6.60%	0.466%
52	11.722	1686	1689	1691	rVV	1262943	1142713	10.52%	0.742%
53	11.763	1693	1696	1699	rVB2	356039	394239	3.63%	0.256%
54	11.974	1728	1732	1735	rBV	737848	900821	8.29%	0.585%
55	12.080	1746	1750	1754	rVB3	348147	588085	5.41%	0.382%
56	12.163	1754	1764	1766	rBV	3855194	8823040	81.23%	5.729%
57	12.204	1766	1771	1774	rVB3	306871	368656	3.39%	0.239%
58	12.280	1781	1784	1791	rVB2	584053	658451	6.06%	0.428%
59	12.386	1791	1802	1805	rBV3	3570552	8284452	76.27%	5.380%
60	12.416	1805	1807	1812	rVB2	557126	631523	5.81%	0.410%
61	12.486	1815	1819	1820	rBV	687814	704284	6.48%	0.457%
62	12.510	1820	1823	1830	rVB2	1480493	1889115	17.39%	1.227%
63	12.586	1830	1836	1838	rBV2	733556	1221081	11.24%	0.793%
64	12.669	1846	1850	1851	rBV3	540756	644886	5.94%	0.419%
65	12.698	1851	1855	1858	rVB	1757199	2002445	18.44%	1.300%
66	12.763	1862	1866	1868	rBV	1687820	1723336	15.87%	1.119%
67	12.798	1868	1872	1878	rVB3	1004975	1324829	12.20%	0.860%
68	12.886	1883	1887	1889	rBV	604990	595450	5.48%	0.387%
69	12.910	1889	1891	1895	rBV	635090	671564	6.18%	0.436%
70	13.110	1919	1925	1927	rBV3	244750	456640	4.20%	0.297%
71	13.169	1932	1935	1938	rBV2	297002	413969	3.81%	0.269%

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72	13.304	1953	1958	1960	rBV	903081	1198162	11.03%	0.778%
73	13.327	1960	1962	1964	rVV	989068	906883	8.35%	0.589%
74	13.357	1964	1967	1968	rVV	817219	795962	7.33%	0.517%
75	13.374	1968	1970	1973	rVV2	537078	532499	4.90%	0.346%
76	13.427	1974	1979	1982	rVV3	413368	602914	5.55%	0.392%
77	13.557	1994	2001	2004	rVV2	2391878	5361107	49.36%	3.481%
78	13.598	2006	2008	2011	rVV	2533414	2625677	24.17%	1.705%
79	13.663	2014	2019	2022	rBV	1165011	1304389	12.01%	0.847%
80	13.710	2024	2027	2031	rBV4	394052	535676	4.93%	0.348%
81	13.751	2032	2034	2038	rVV2	382511	595035	5.48%	0.386%
82	13.904	2057	2060	2062	rBV	384920	460799	4.24%	0.299%
83	13.945	2063	2067	2069	rVV	852678	1043243	9.60%	0.677%
84	13.974	2069	2072	2075	rVB2	454656	418383	3.85%	0.272%
85	14.039	2075	2083	2085	rBV3	518208	883216	8.13%	0.574%
86	14.063	2085	2087	2089	rVV	520935	585297	5.39%	0.380%
87	14.086	2089	2091	2093	rVV	628058	520833	4.79%	0.338%
88	14.415	2144	2147	2152	rBV	364570	476798	4.39%	0.310%
89	14.568	2165	2173	2179	rBV2	2013419	5213763	48.00%	3.386%
90	14.639	2183	2185	2189	rVB	661531	648986	5.97%	0.421%
91	14.804	2208	2213	2217	rBV	1294003	1826007	16.81%	1.186%
92	14.868	2217	2224	2227	rVV	1786999	2760614	25.42%	1.793%
93	14.904	2227	2230	2232	rVV	314314	367471	3.38%	0.239%
94	14.933	2232	2235	2240	rVB2	886276	1087676	10.01%	0.706%
95	16.115	2428	2436	2440	rBV2	938282	1878942	17.30%	1.220%
96	16.233	2451	2456	2460	rBV	288873	563849	5.19%	0.366%
97	16.286	2461	2465	2471	rVB2	231941	439138	4.04%	0.285%
98	16.474	2489	2497	2501	rBV	751883	1517003	13.97%	0.985%
99	16.657	2523	2528	2538	rVB2	322033	729667	6.72%	0.474%
100	18.268	2795	2802	2819	rVB3	215287	771022	7.10%	0.501%

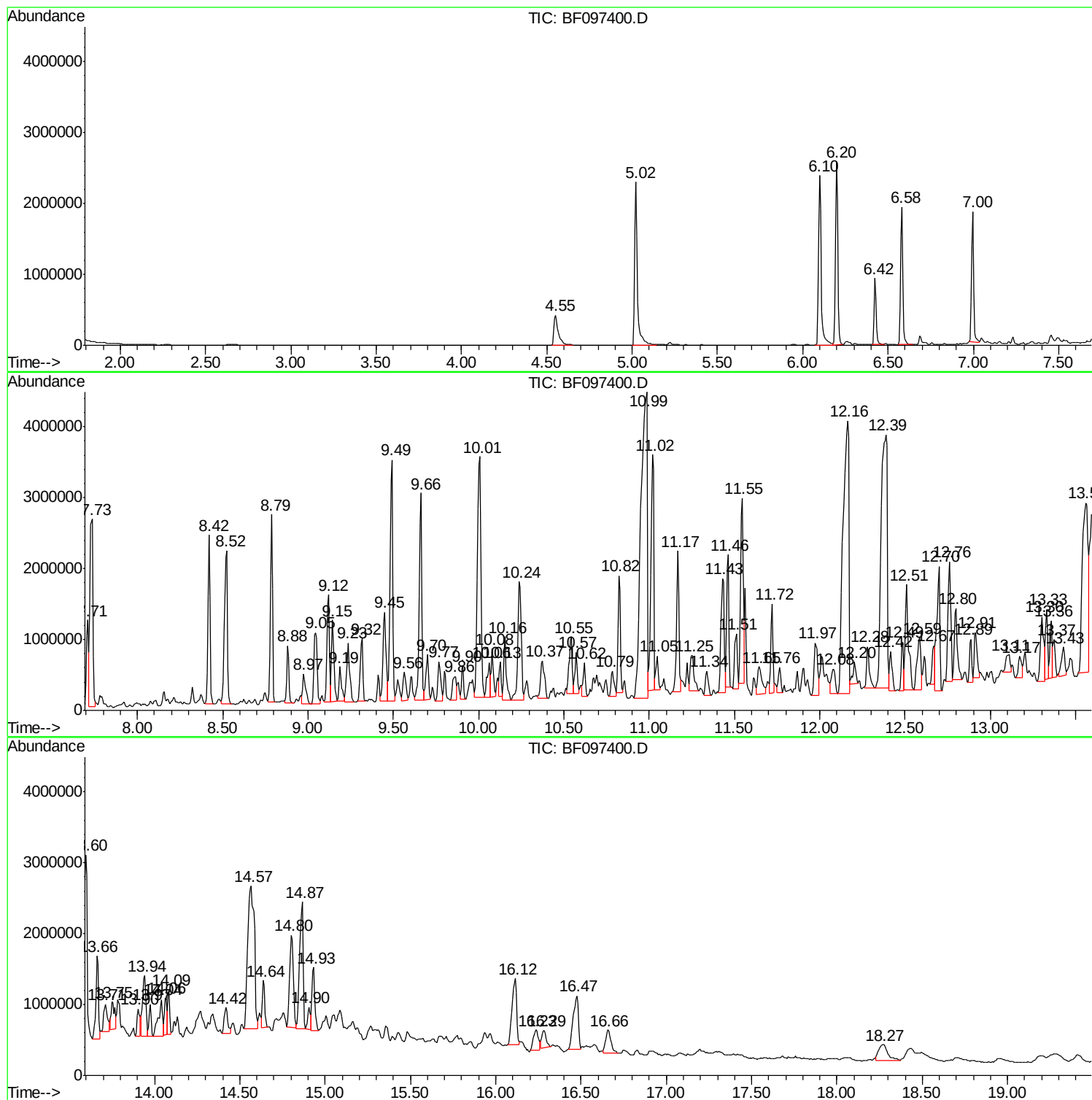
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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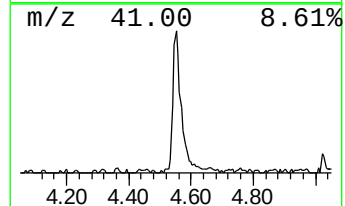
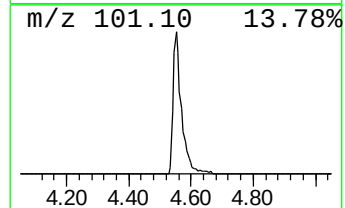
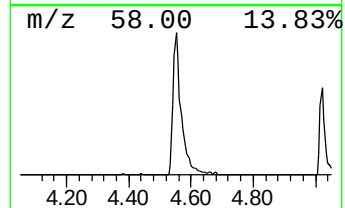
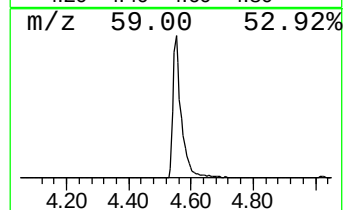
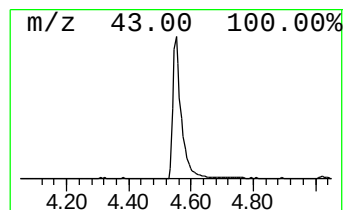
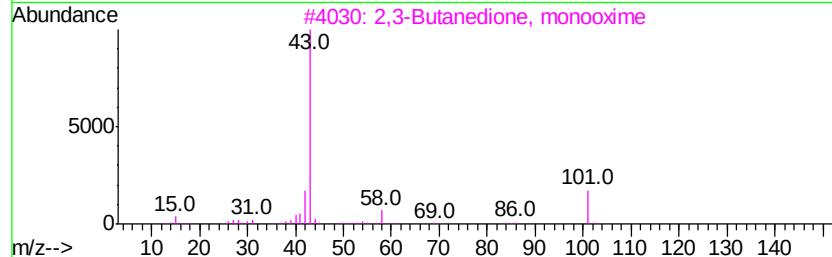
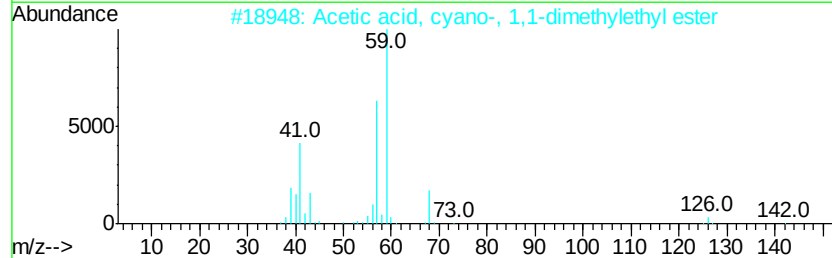
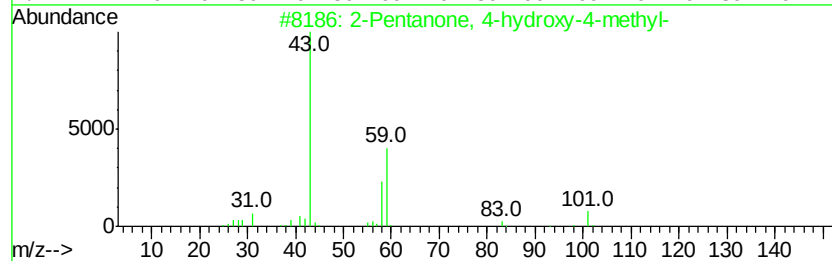
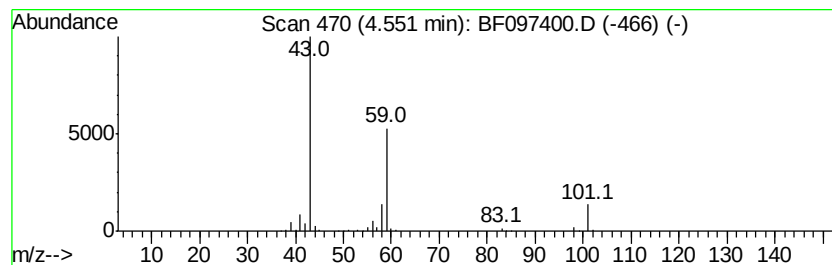
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.55	18.60 ng	791250	1,4-Dichlorobenzene-d4	6.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
3		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4		3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9
5		Propanoic acid, 2-nitro-, methyl...	133	C4H7NO4	006118-50-9	9



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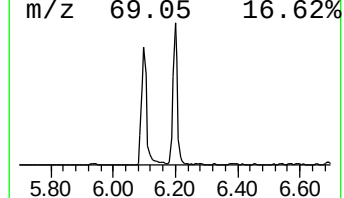
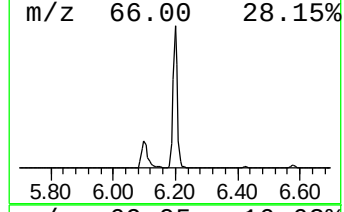
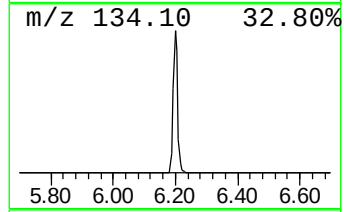
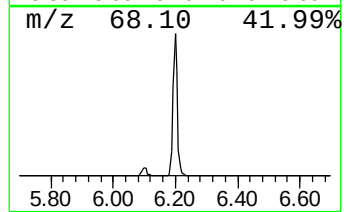
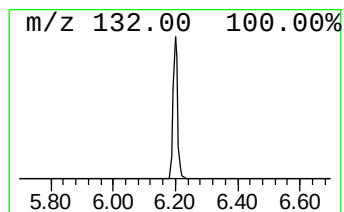
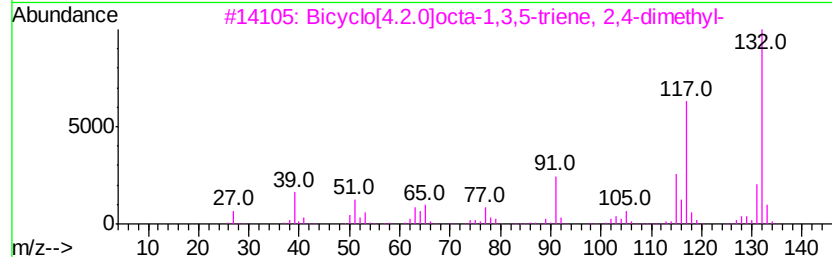
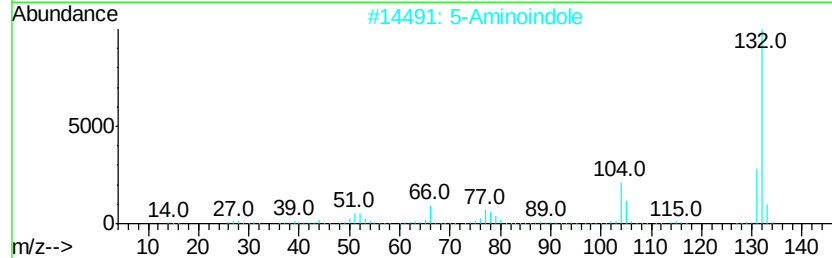
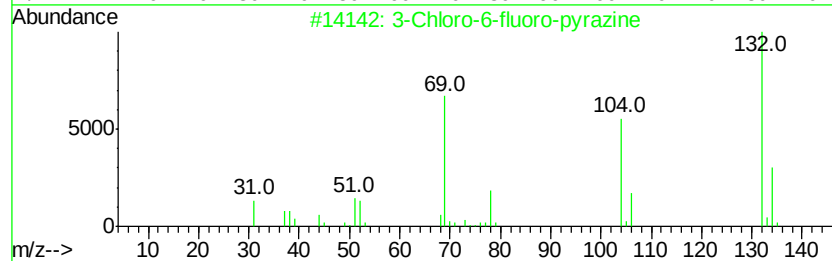
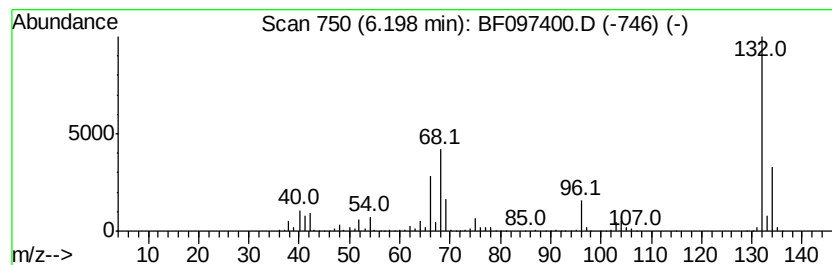
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Peak Number 2 unknown6.20 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.20	61.73 ng	2626450	1,4-Dichlorobenzene-d4	6.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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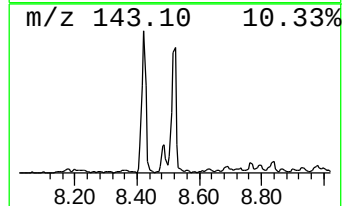
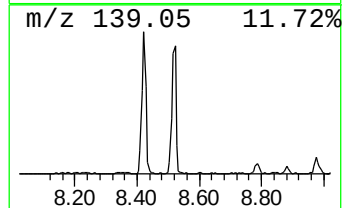
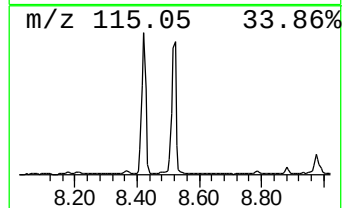
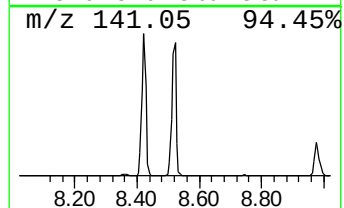
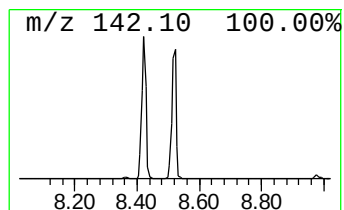
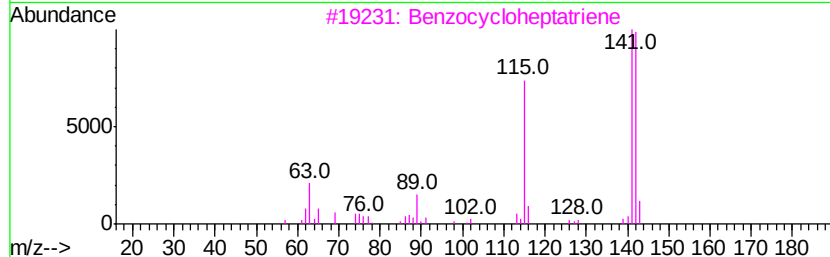
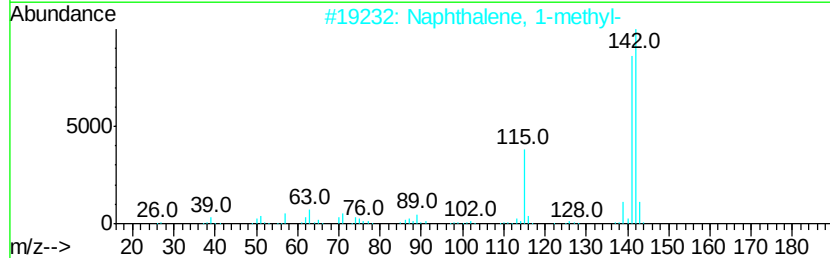
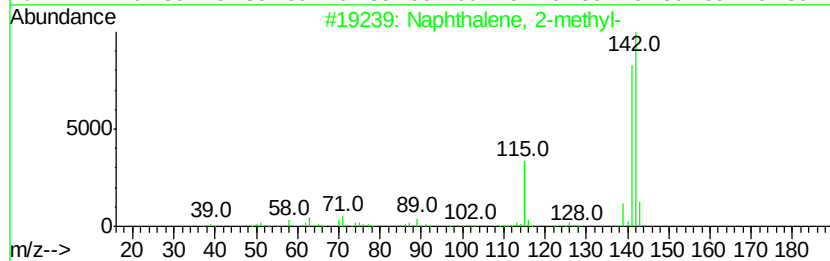
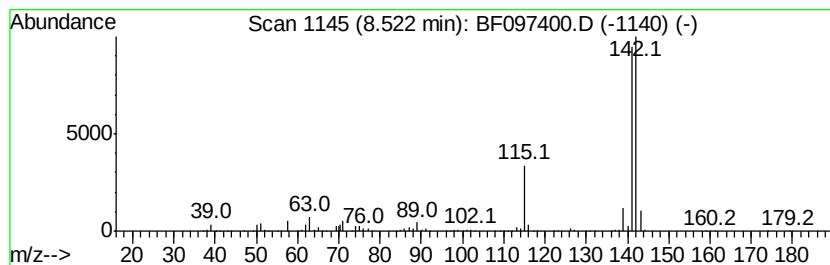
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	38.00 ng	2235020	Naphthalene-d8	7.71

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	94
3		Benzocycloheptatriene	142	C11H10	000264-09-5	94
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	46



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Sample : I4610-04
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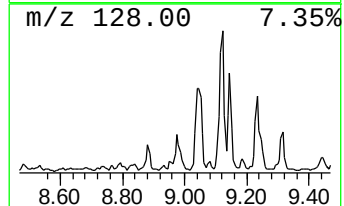
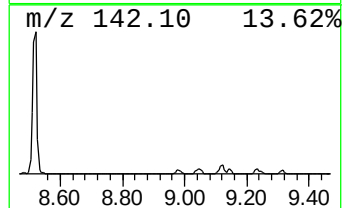
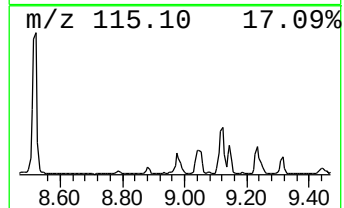
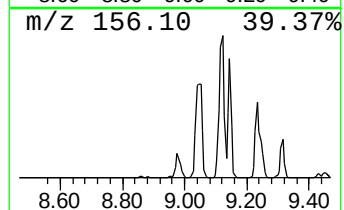
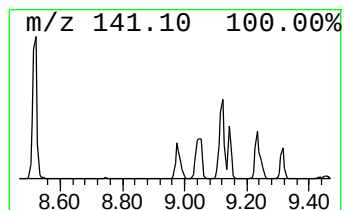
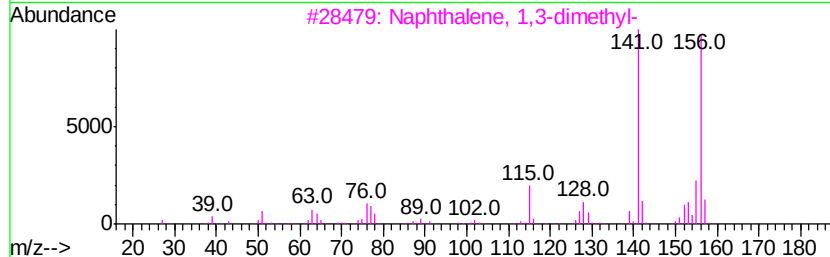
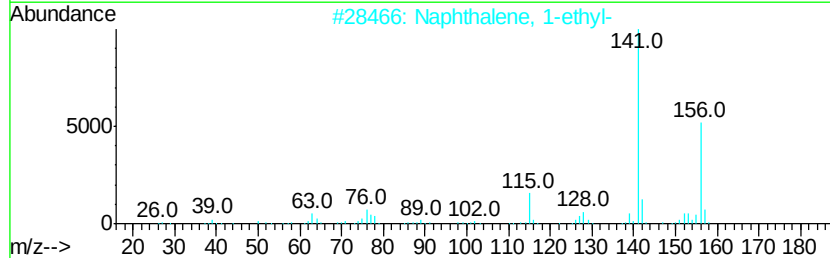
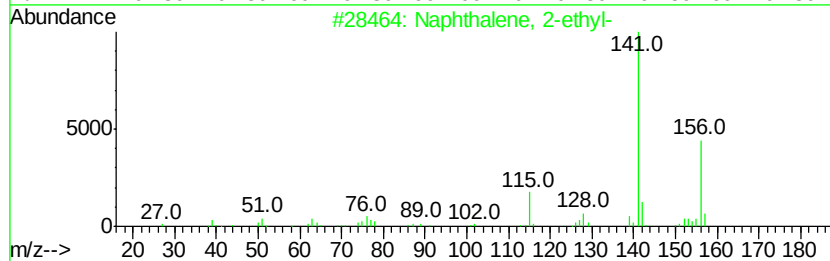
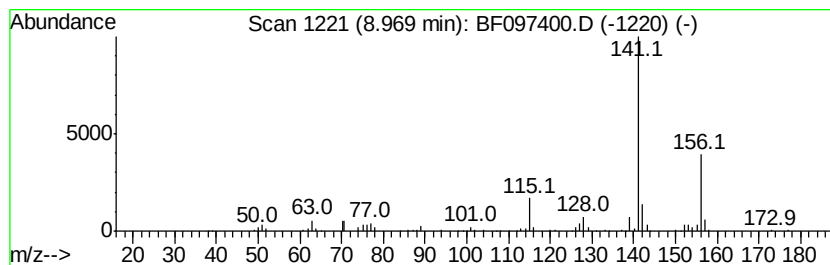
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	6.58 ng	499597	Acenaphthene-d10	9.45
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 95
2		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 95
3		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 72
4		2-Thiophenecarboxylic acid, 5-et...	156 C7H8O2S	023229-72-3 59
5		2-Amino-4-tertbutylthiazole	156 C7H12N2S	074370-93-7 59



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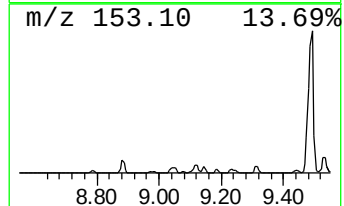
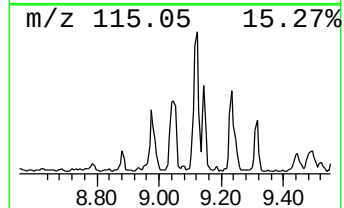
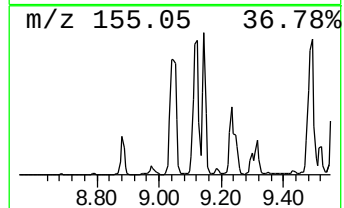
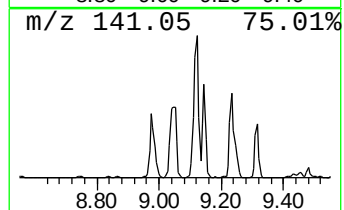
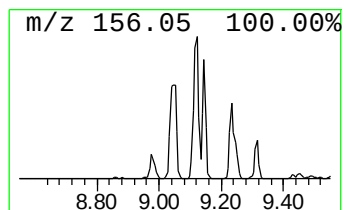
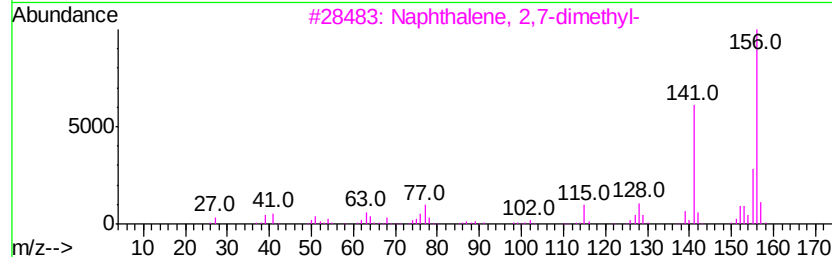
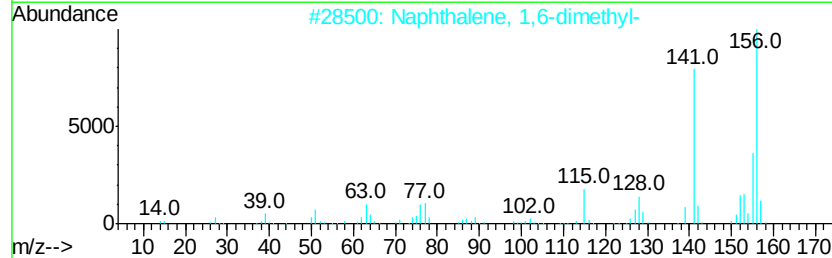
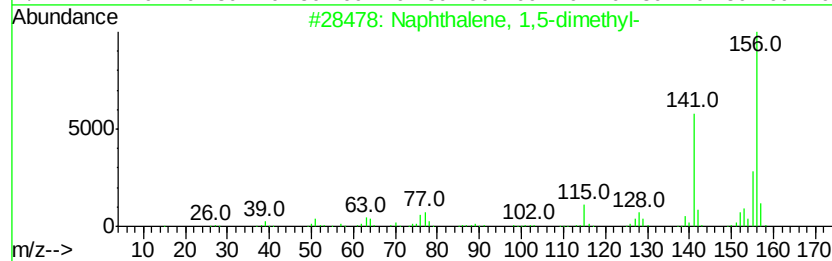
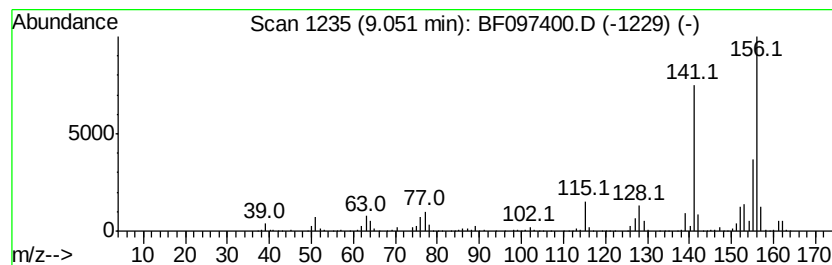
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	18.88 ng	1433510	Acenaphthene-d10	9.45
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 97
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
3		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 96
4		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 96
5		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097400.D
Acq On : 5 Aug 2017 16:37
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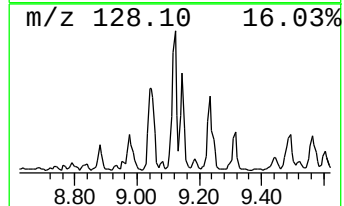
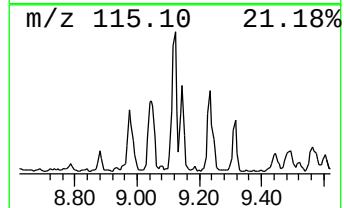
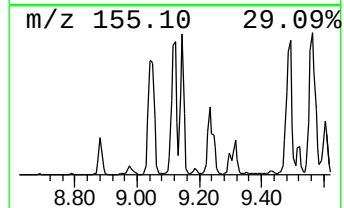
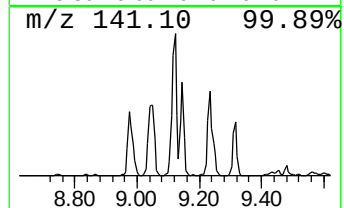
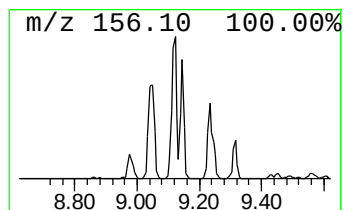
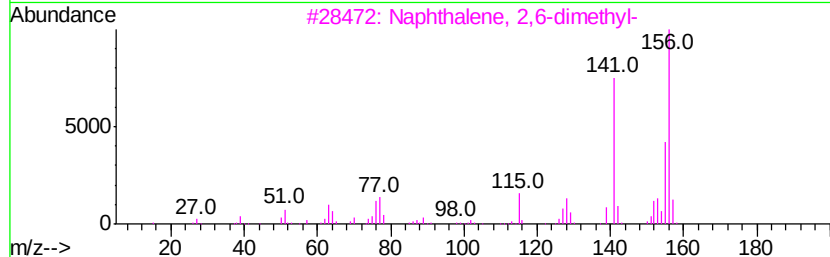
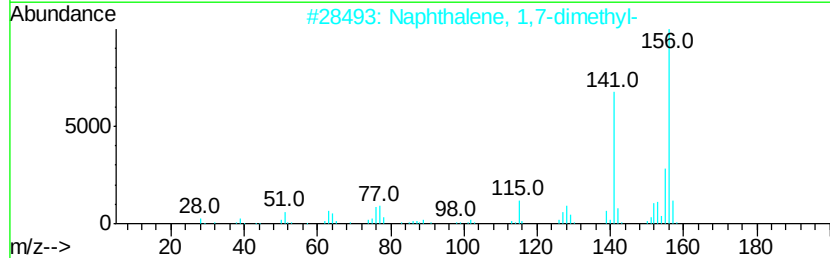
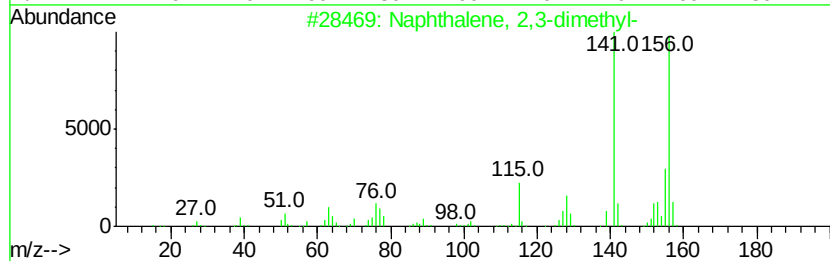
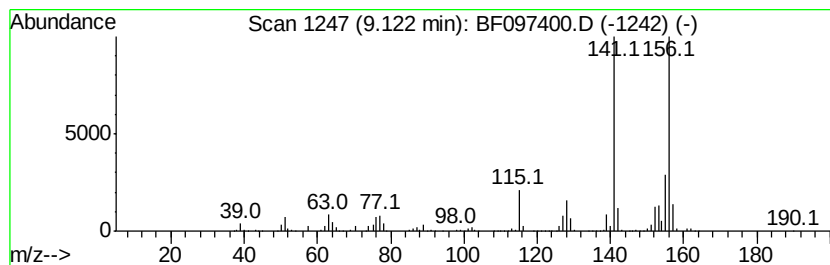
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	21.60 ng	1640040	Acenaphthene-d10	9.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
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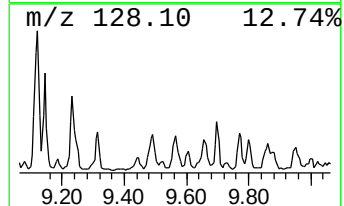
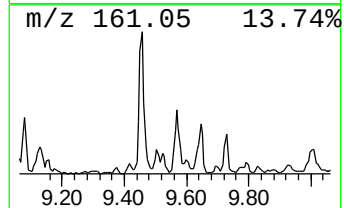
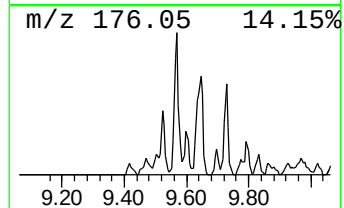
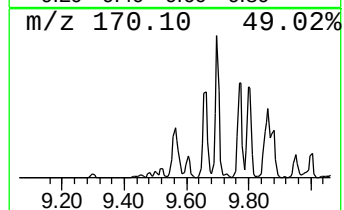
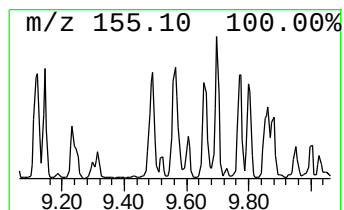
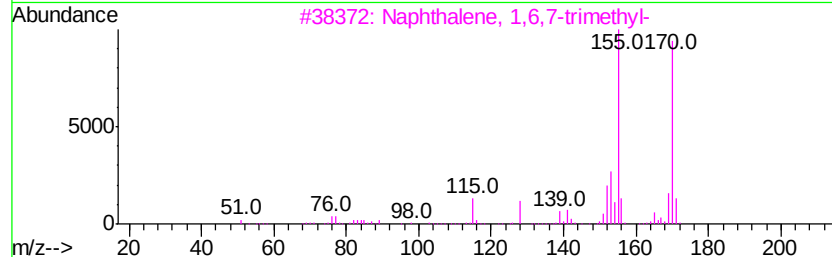
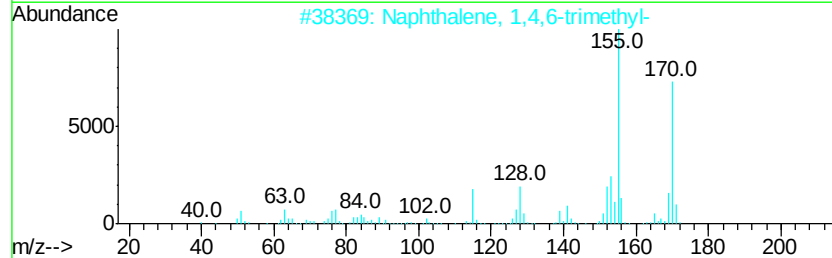
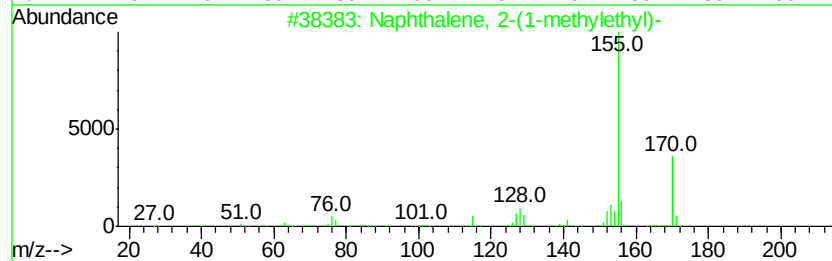
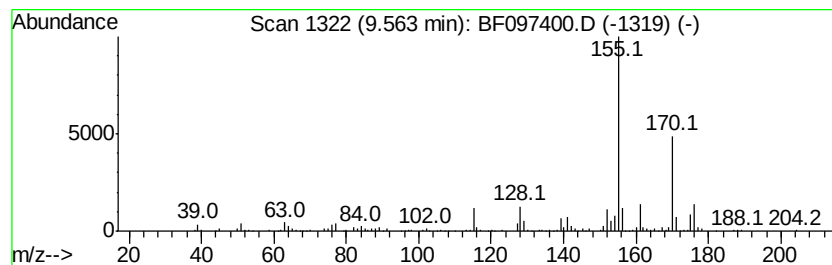
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 2-(1-methyleth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	7.01 ng	532470	Acenaphthene-d10	9.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	83
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	83
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
4		Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72
5		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
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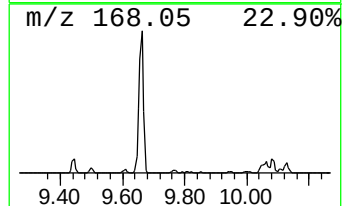
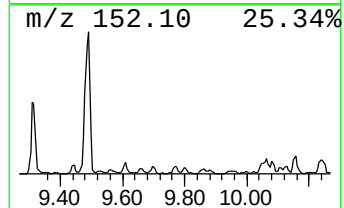
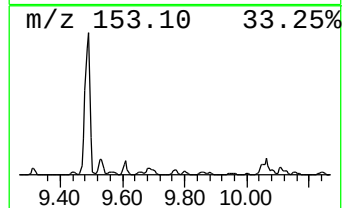
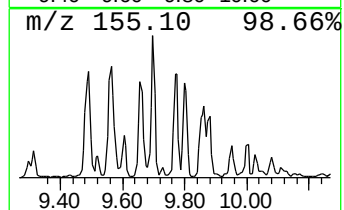
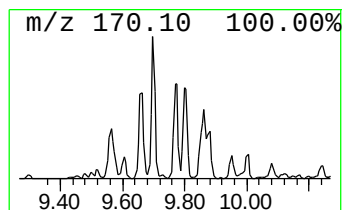
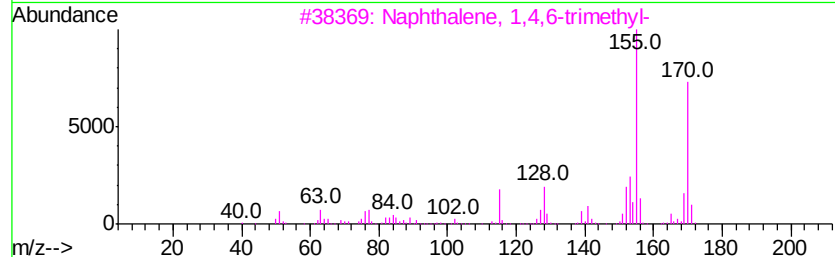
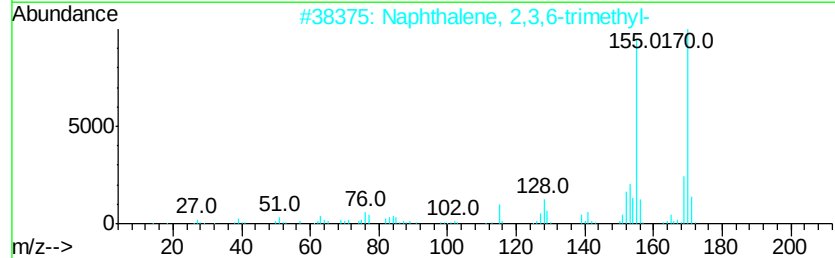
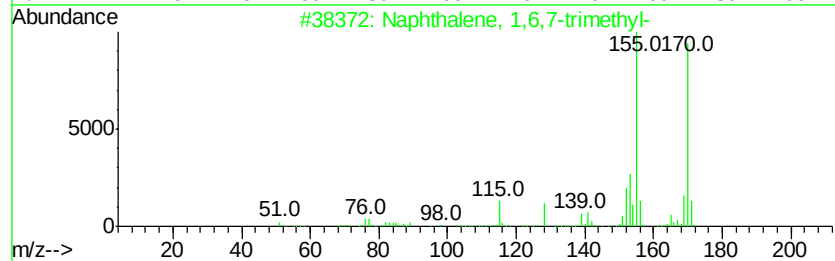
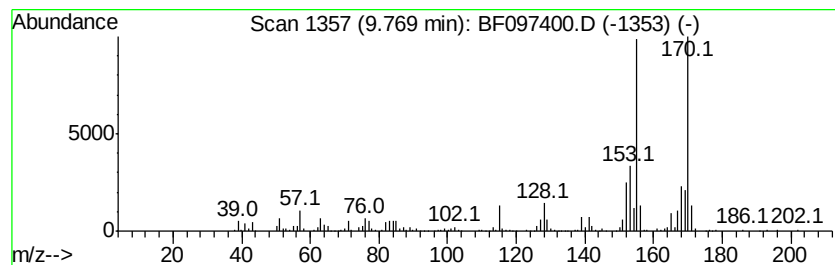
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	7.70 ng	584458	Acenaphthene-d10	9.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
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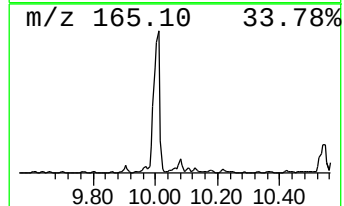
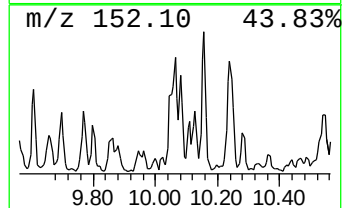
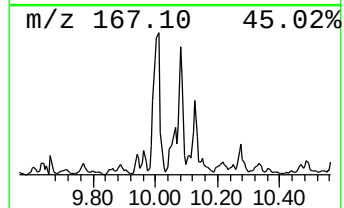
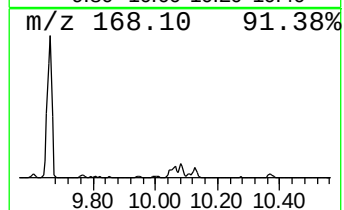
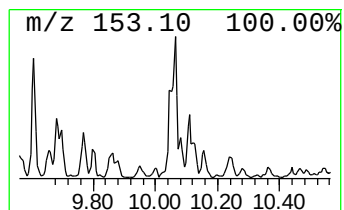
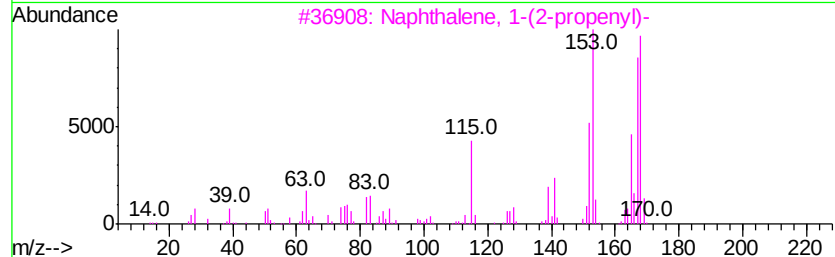
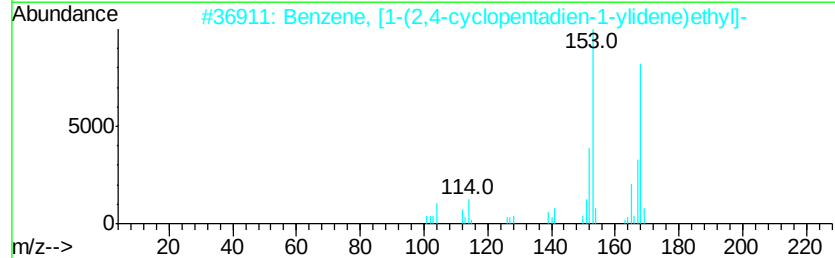
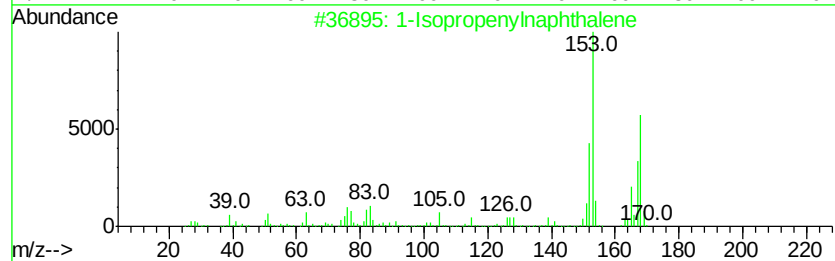
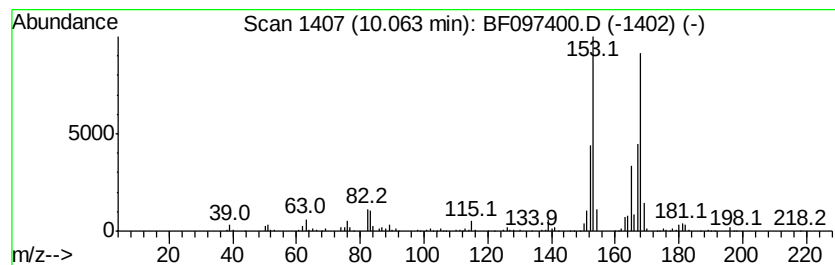
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 1-Isopropenylnaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	8.25 ng	626846	Acenaphthene-d10	9.45
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 83
3		Naphthalene, 1-(2-propenyl)-	168 C13H12	002489-86-3 59
4		Naphthalene, 2-(1-methylethenyl)-	168 C13H12	003710-23-4 53
5		1,1'-Biphenyl, 4-methyl-	168 C13H12	000644-08-6 52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
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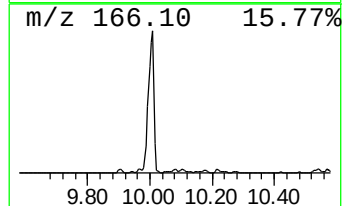
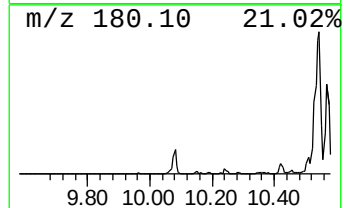
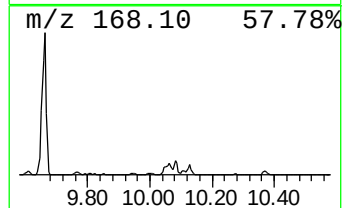
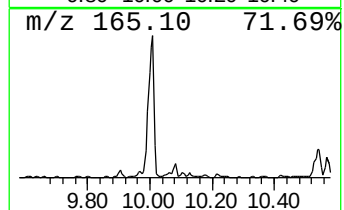
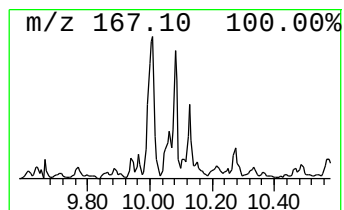
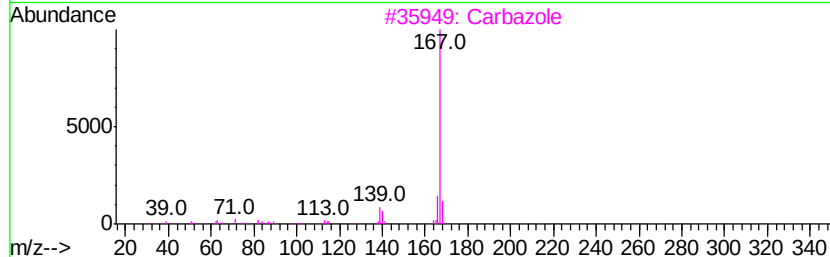
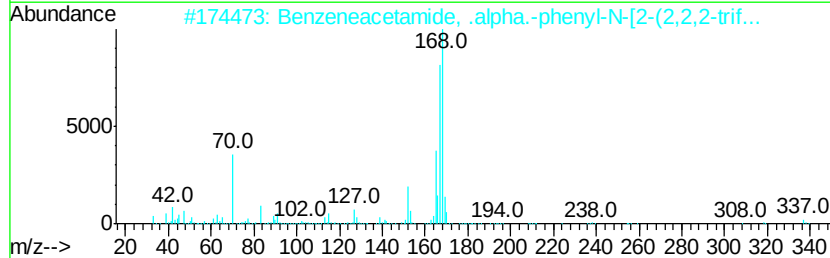
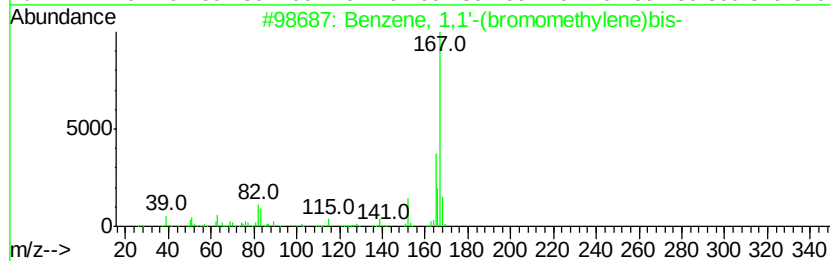
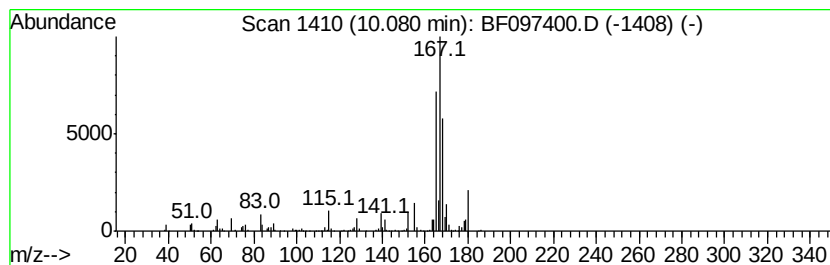
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown10.08 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.08	7.35 ng	558128	Acenaphthene-d10	9.45	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	43
2	Benzeneacetamide, .alpha.-phenyl...	337	C18H18F3N02	1000350-80-6	38
3	Carbazole	167	C12H9N	000086-74-8	35
4	D-Galactitol, 2-(acetylmethylami...	363	C16H29N08	074410-42-7	35
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097400.D
Acq On : 5 Aug 2017 16:37
Operator : SJ/JU
Sample : I4610-04
Misc :
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Instrument :
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ClientSampleId :
PL-02-080317-B

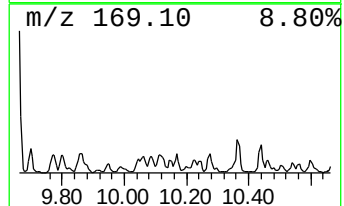
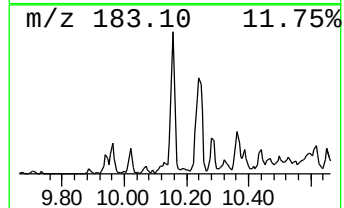
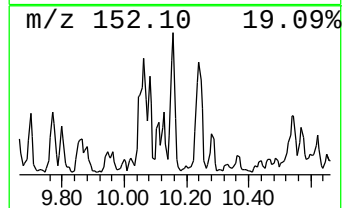
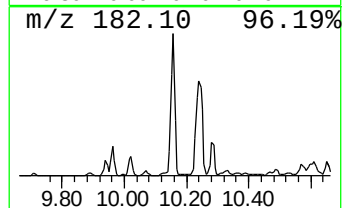
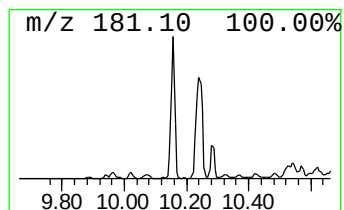
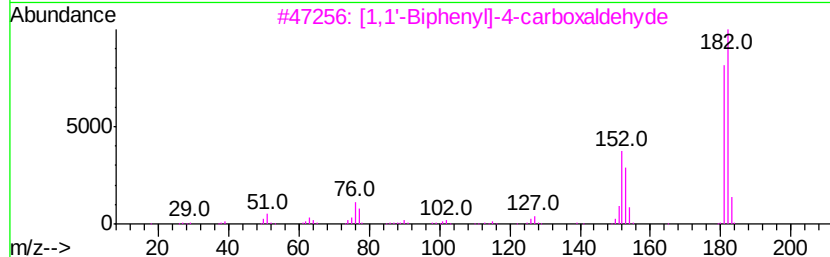
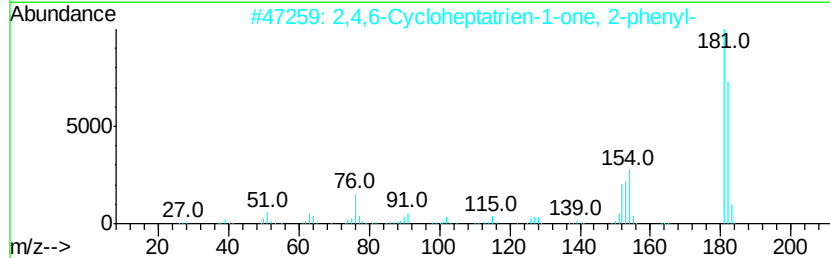
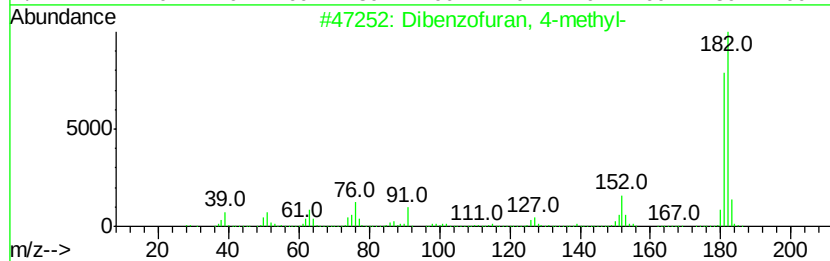
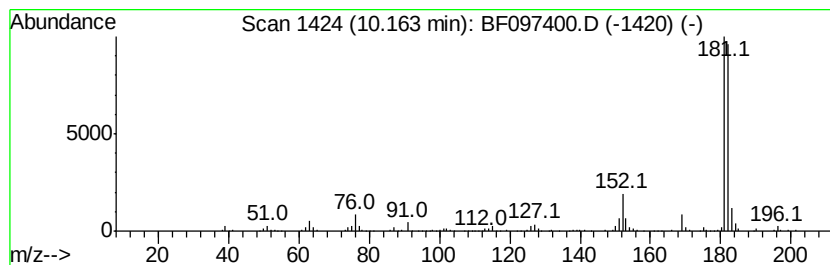
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dibenzofuran, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	11.67 ng	886403	Acenaphthene-d10	9.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5		9H-Xanthene	182	C13H10O	000092-83-1	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
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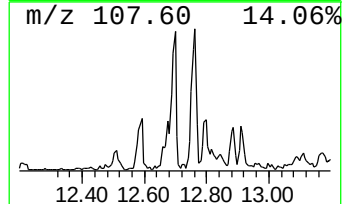
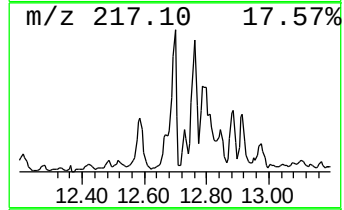
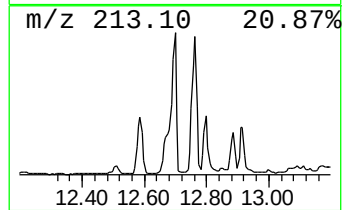
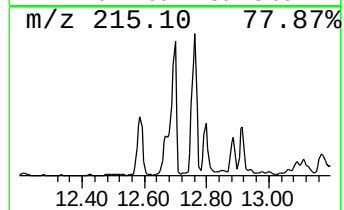
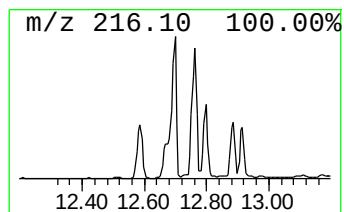
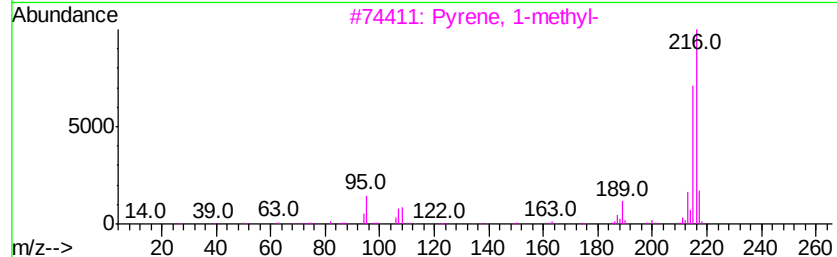
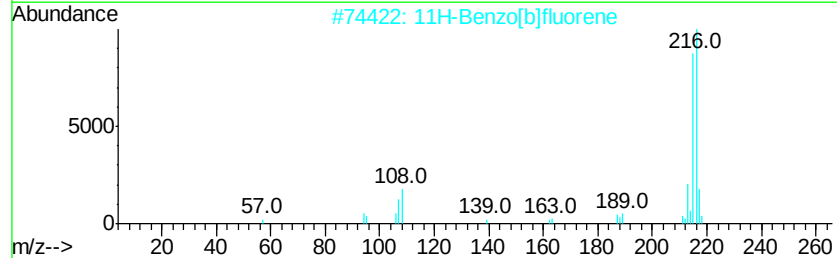
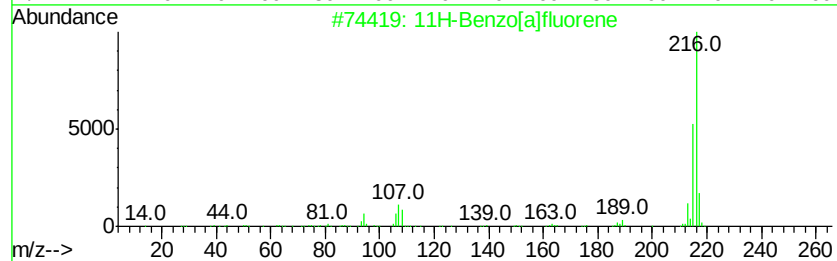
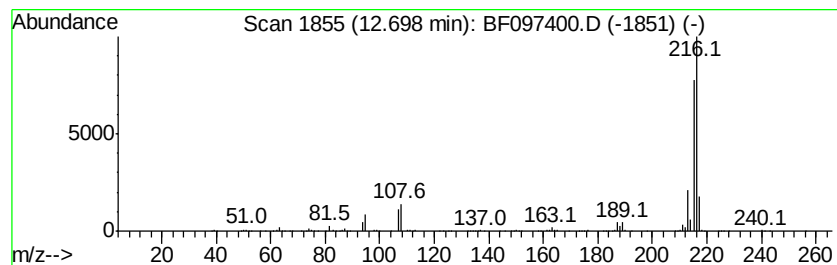
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	7.47 ng	2002450	Chrysene-d12	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	90
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097400.D
Acq On : 5 Aug 2017 16:37
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ClientSampleId :
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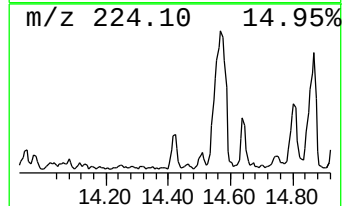
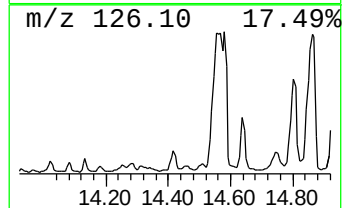
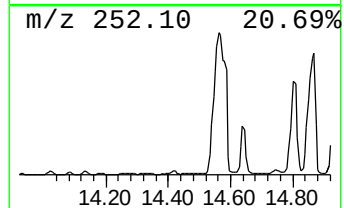
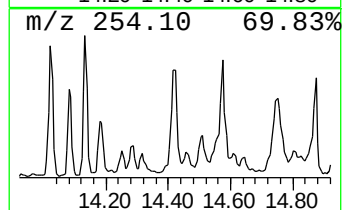
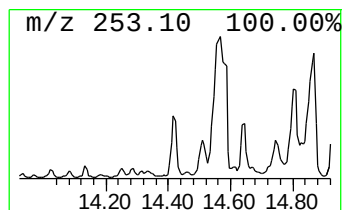
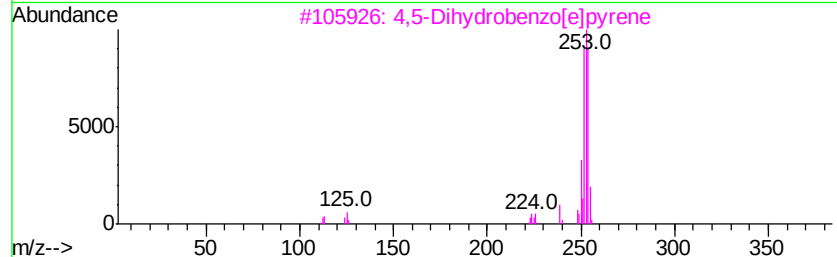
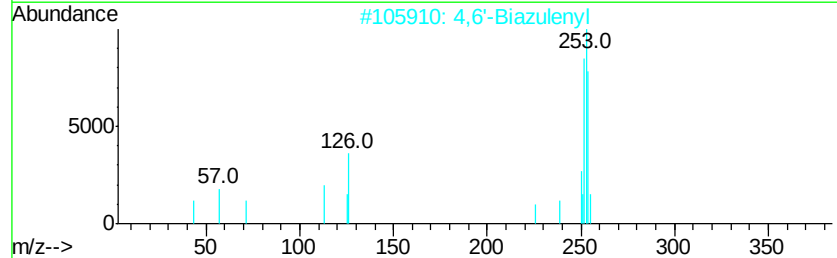
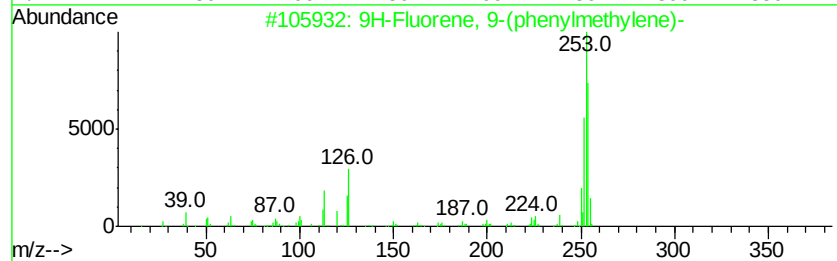
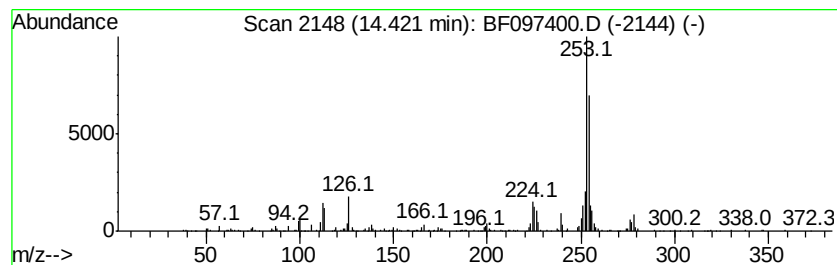
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 9H-Fluorene, 9-(phenylmethy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	25.95 ng	476798	Perylene-d12	14.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-(phenylmethylenyl)-	254	C20H14	001836-87-9	89
2		4,6'-Biazuleny	254	C20H14	094154-49-1	62
3		4,5-Dihydrobenzo[el]pyrene	254	C20H14	095676-42-9	58
4		3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	53
5		7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
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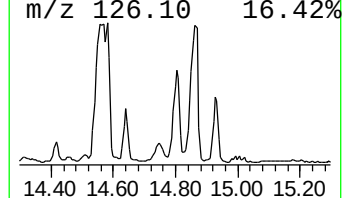
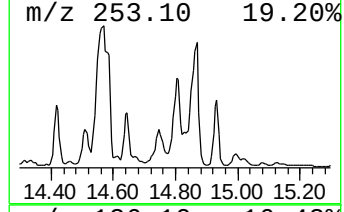
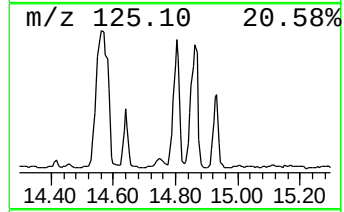
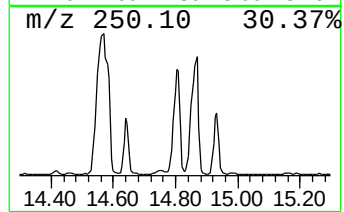
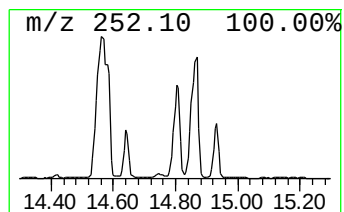
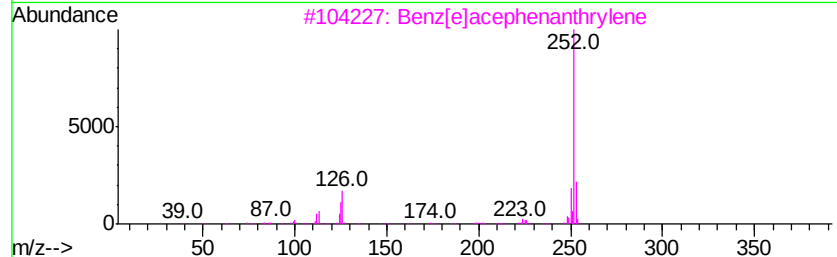
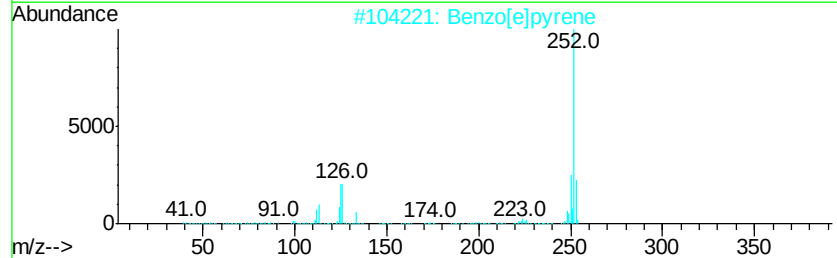
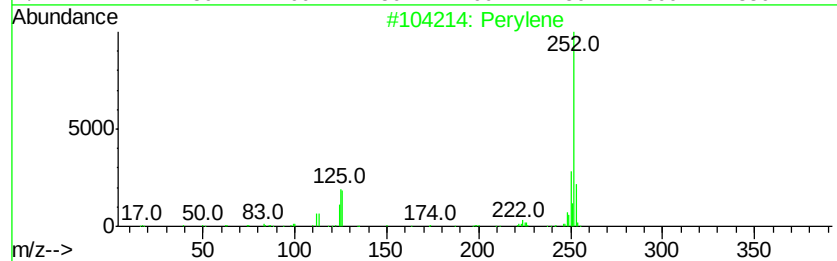
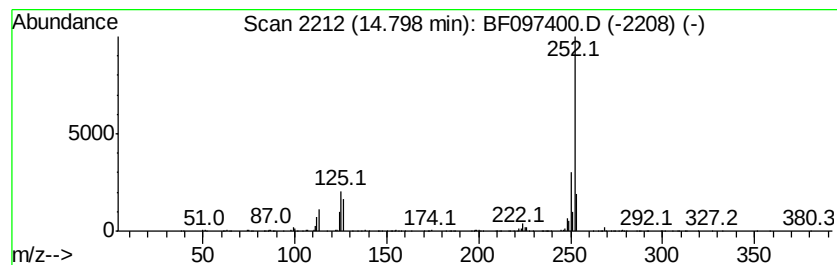
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	99.38 ng	1826010	Perylene-d12	14.90

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	98
3		Benzo[el]acephenanthrylene	252	C20H12	000205-99-2	96
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	90



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Acq On : 5 Aug 2017 16:37
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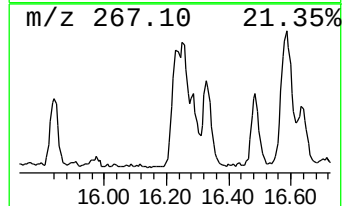
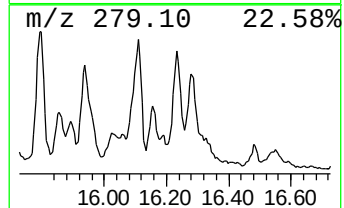
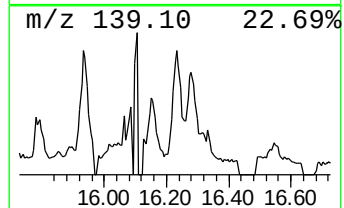
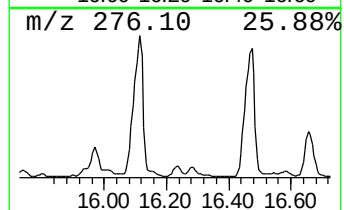
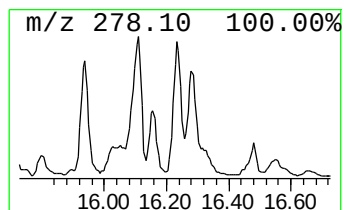
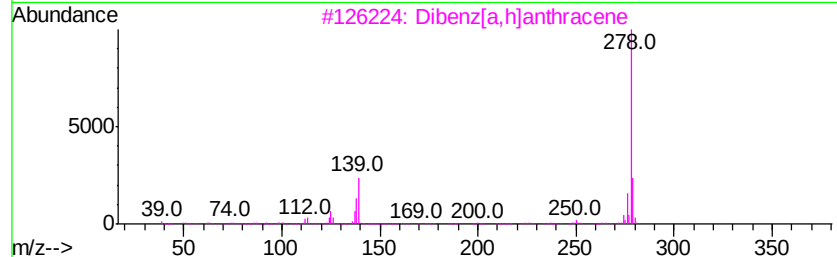
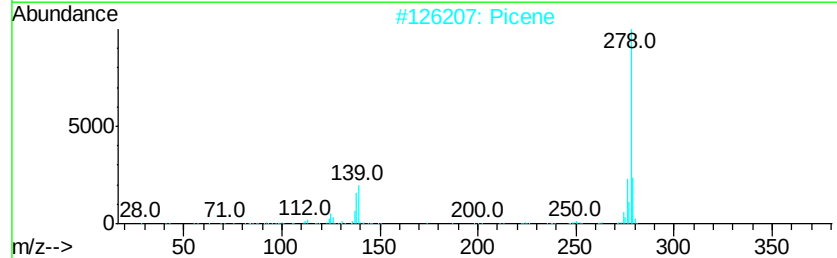
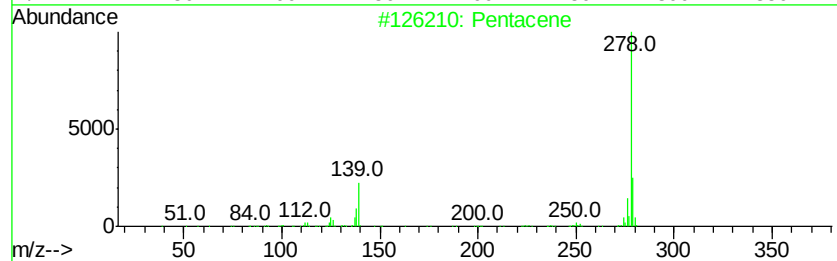
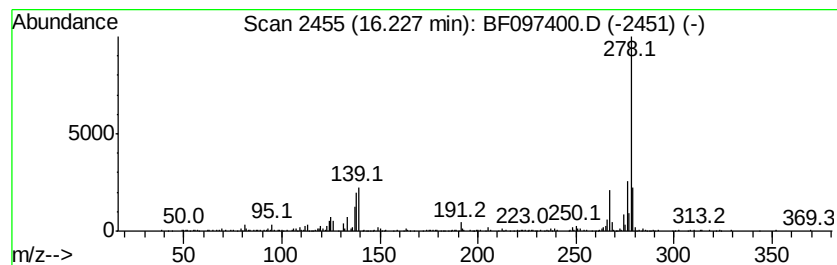
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Pentacene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	30.69 ng	563849	Perylene-d12	14.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentacene	278	C22H14	000135-48-8	96
2		Picene	278	C22H14	000213-46-7	93
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4		Benzo[b]triphenylene	278	C22H14	000215-58-7	93
5		Pentaphene	278	C22H14	000222-93-5	89



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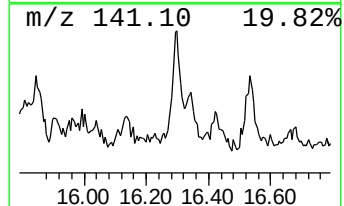
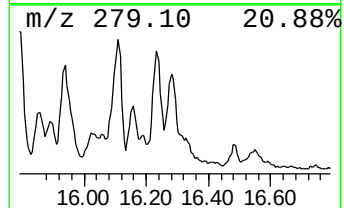
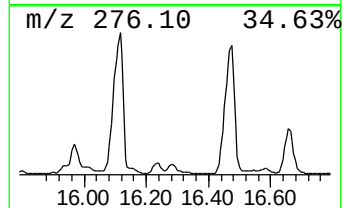
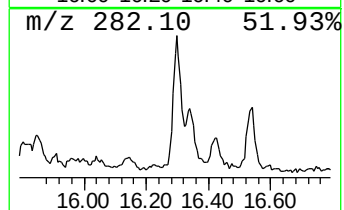
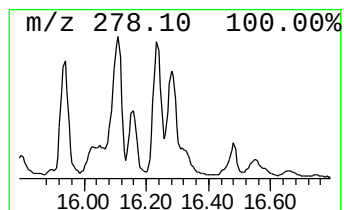
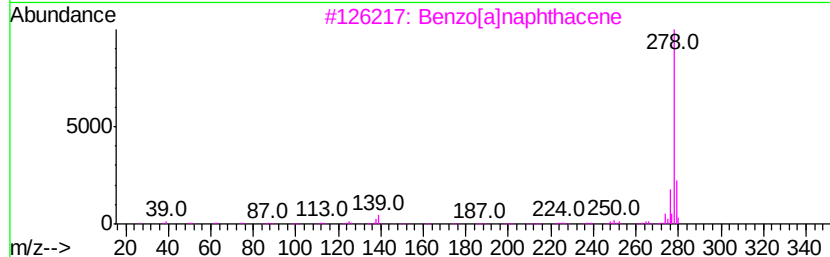
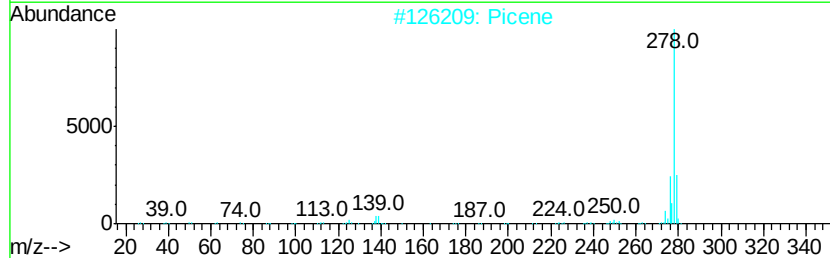
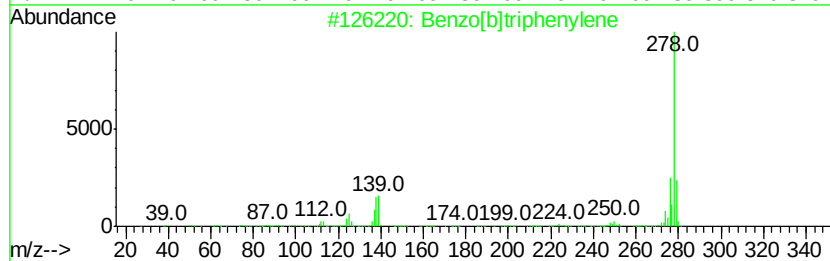
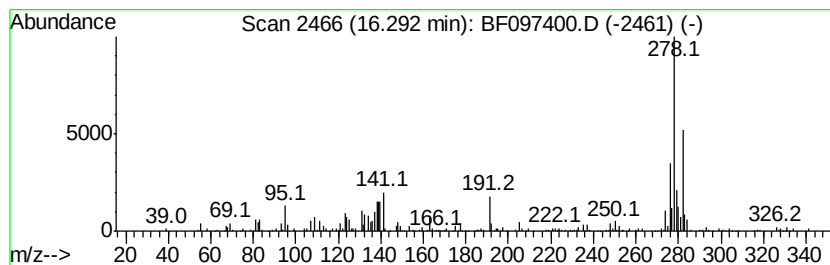
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	23.90 ng	439138	Perylene-d12	14.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2		Picene	278	C22H14	000213-46-7	86
3		Benzo[a]naphthacene	278	C22H14	000226-88-0	83
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
5		Benzo[b]chrysene	278	C22H14	000214-17-5	64



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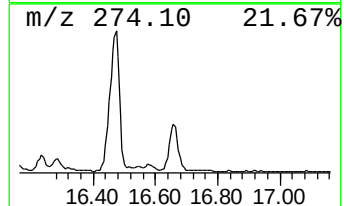
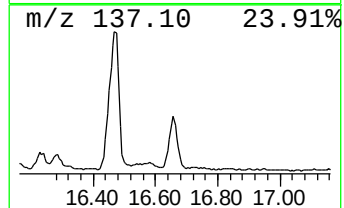
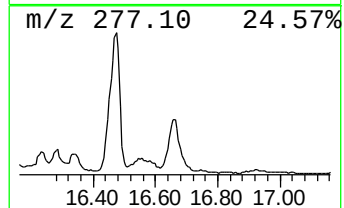
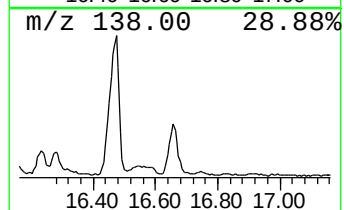
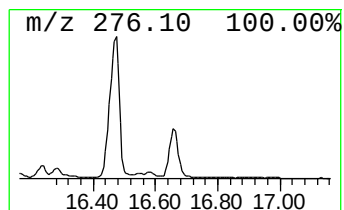
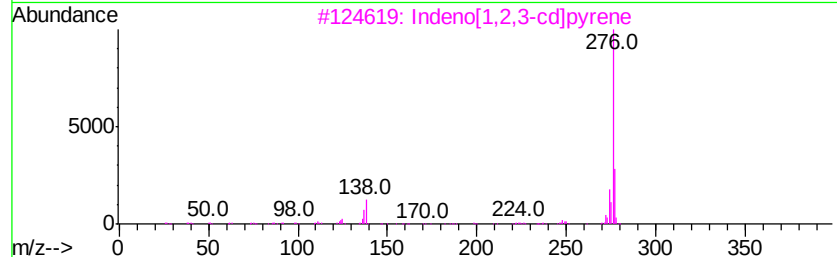
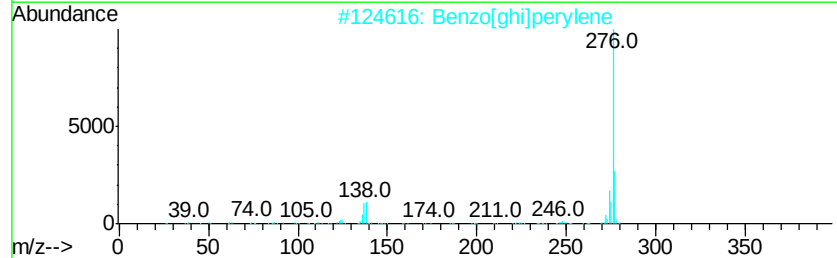
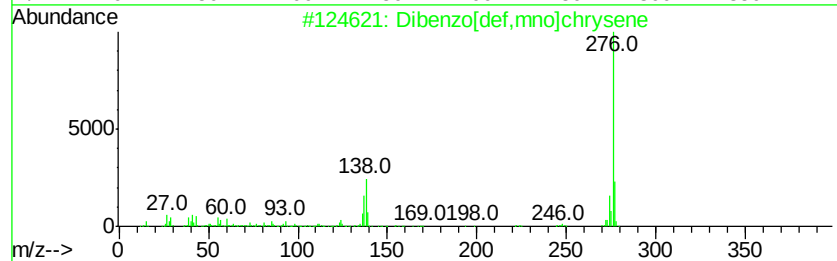
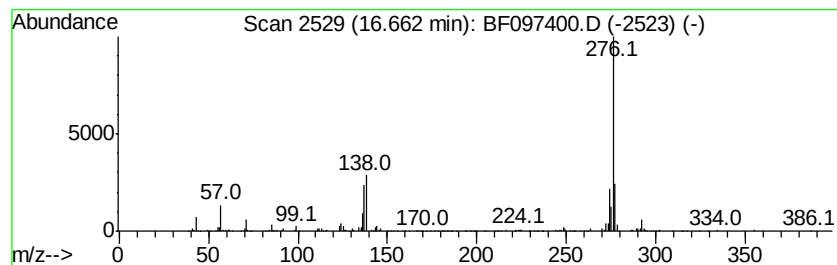
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	39.71 ng	729667	Perylene-d12	14.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	86
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	50
5		Phosphoric acid, 4-methoxy-2-(me...	276	C11H17O6P	094420-71-0	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097400.D
Acq On : 5 Aug 2017 16:37
Operator : SJ/JU
Sample : I4610-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-B

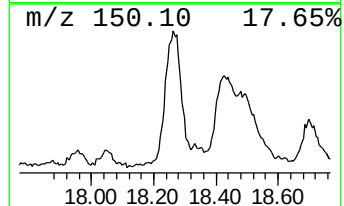
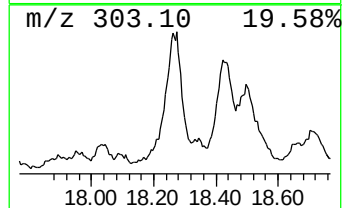
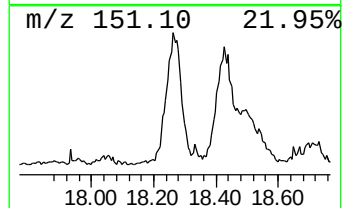
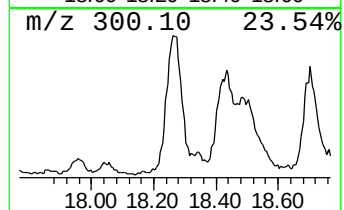
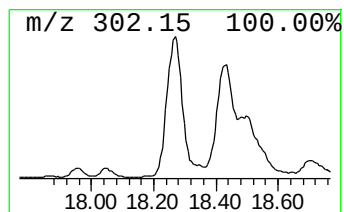
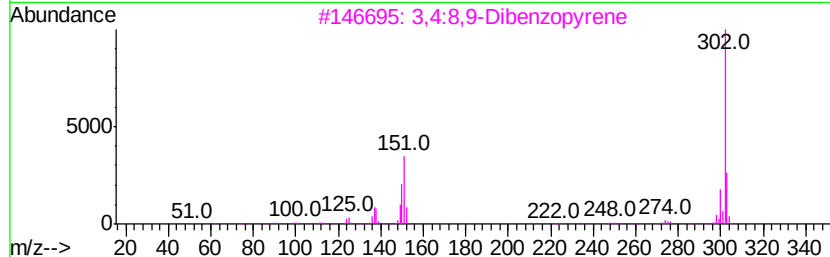
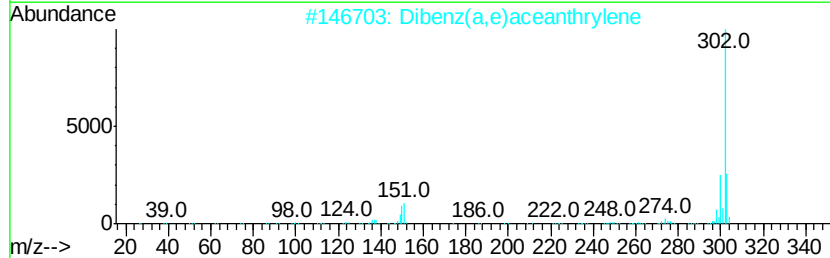
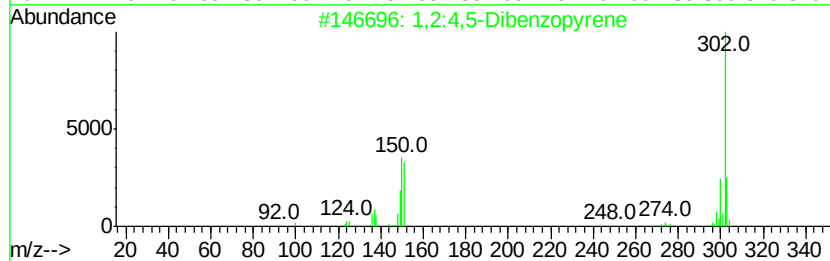
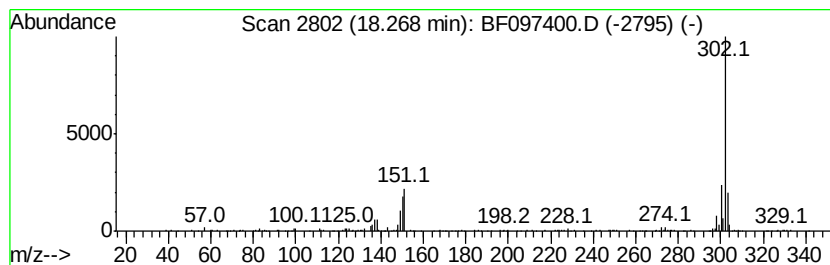
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	41.96 ng	771022	Perylene-d12	14.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	96
2		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
3		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	91
4		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	89
5		1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
 Data File : BF097400.D
 Acq On : 5 Aug 2017 16:37
 Operator : SJ/JU
 Sample : I4610-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-B

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...	4.55	18.6	ng	791250	1	6.42	850939	20.0
unknown6.20	6.20	61.7	ng	2626450	1	6.42	850939	20.0
Naphthalene, 1-me...	8.52	38.0	ng	2235020	2	7.71	1176220	20.0
Naphthalene, 2-et...	8.97	6.6	ng	499597	3	9.45	1518880	20.0
Naphthalene, 1,5-...	9.05	18.9	ng	1433510	3	9.45	1518880	20.0
Naphthalene, 2,3-...	9.12	21.6	ng	1640040	3	9.45	1518880	20.0
Naphthalene, 2-(1...	9.56	7.0	ng	532470	3	9.45	1518880	20.0
Naphthalene, 1,6,...	9.77	7.7	ng	584458	3	9.45	1518880	20.0
1-Isopropenyl naph...	10.06	8.3	ng	626846	3	9.45	1518880	20.0
unknown10.08	10.08	7.3	ng	558128	3	9.45	1518880	20.0
Dibenzofuran, 4-m...	10.16	11.7	ng	886403	3	9.45	1518880	20.0
11H-Benzo[a]fluorene	12.70	7.5	ng	2002450	5	13.57	5361110	20.0
9H-Fluorene, 9-(p...	14.42	25.9	ng	476798	6	14.90	367471	20.0
Perylene	14.80	99.4	ng	1826010	6	14.90	367471	20.0
Pentacene	16.23	30.7	ng	563849	6	14.90	367471	20.0
Benzo[b]triphenylene	16.29	23.9	ng	439138	6	14.90	367471	20.0
Dibenzo[def,mno]c...	16.66	39.7	ng	729667	6	14.90	367471	20.0
1,2:4,5-Dibenzopy...	18.27	42.0	ng	771022	6	14.90	367471	20.0