

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
 Data File : BF097407.D
 Acq On : 5 Aug 2017 19:51
 Operator : SJ/JU
 Sample : I4610-13 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

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	4.540	464	468	483	rBV	55536	83593	3.79%	0.281%
2	5.034	549	552	572	rBV	205580	382747	17.36%	1.288%
3	6.110	732	735	749	rBV	196913	374212	16.97%	1.260%
4	6.210	749	752	759	rVB	306850	380979	17.28%	1.282%
5	6.428	785	789	804	rVB	500002	506445	22.97%	1.705%
6	6.581	812	815	824	rBV	277764	258212	11.71%	0.869%
7	6.998	883	886	893	rBV	206329	234014	10.61%	0.788%
8	7.710	1003	1007	1009	rBV	833214	692987	31.43%	2.333%
9	7.728	1009	1010	1019	rVB	123017	116852	5.30%	0.393%
10	8.422	1125	1128	1135	rVB	156803	132935	6.03%	0.447%
11	8.516	1140	1144	1150	rBV	204713	189194	8.58%	0.637%
12	8.786	1186	1190	1196	rVB	374364	313346	14.21%	1.055%
13	9.045	1230	1234	1238	rBV2	162879	219124	9.94%	0.738%
14	9.116	1243	1246	1249	rVV	220094	226853	10.29%	0.764%
15	9.145	1249	1251	1256	rVV	149557	141917	6.44%	0.478%
16	9.233	1263	1266	1275	rVB	106319	131691	5.97%	0.443%
17	9.316	1275	1280	1286	rBV	168210	164913	7.48%	0.555%
18	9.451	1298	1303	1306	rBV	564581	493024	22.36%	1.660%
19	9.480	1306	1308	1313	rVB	267066	231398	10.50%	0.779%
20	9.657	1332	1338	1342	rVV	227410	220452	10.00%	0.742%
21	9.698	1342	1345	1348	rVB	104333	87244	3.96%	0.294%
22	9.769	1354	1357	1360	rBV	91889	101197	4.59%	0.341%
23	9.798	1360	1362	1368	rVB	67022	67257	3.05%	0.226%
24	9.863	1368	1373	1374	rBV2	58831	76564	3.47%	0.258%
25	9.945	1384	1387	1392	rBV4	34390	70603	3.20%	0.238%
26	9.998	1392	1396	1399	rVV	450731	438400	19.88%	1.476%
27	10.063	1402	1407	1408	rVV	66539	90816	4.12%	0.306%
28	10.080	1408	1410	1412	rVV	78876	65581	2.97%	0.221%
29	10.151	1420	1422	1430	rVV2	91790	122407	5.55%	0.412%
30	10.239	1434	1437	1441	rVV2	268138	267437	12.13%	0.900%
31	10.369	1456	1459	1461	rBV3	57760	62805	2.85%	0.211%
32	10.539	1484	1488	1491	rBV2	137701	176733	8.02%	0.595%
33	10.569	1491	1493	1497	rVV	114737	103306	4.69%	0.348%
34	10.622	1500	1502	1505	rVV	81546	72221	3.28%	0.243%

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35	10.822	1532	1536	1539	rVV	237550	223576	10.14%	0.753%
36	10.922	1550	1553	1555	rBV	466707	452803	20.54%	1.524%
37	10.951	1555	1558	1561	rVB	1874994	1632264	74.03%	5.495%
38	10.998	1561	1566	1570	rVB	632607	563920	25.58%	1.898%
39	11.045	1570	1574	1576	rBV	76140	92386	4.19%	0.311%
40	11.163	1590	1594	1601	rBV	143891	174157	7.90%	0.586%
41	11.251	1606	1609	1614	rVB2	147492	160768	7.29%	0.541%
42	11.339	1620	1624	1628	rVB	113847	126333	5.73%	0.425%
43	11.427	1635	1639	1641	rVV	462149	465717	21.12%	1.568%
44	11.451	1641	1643	1647	rVB	553343	518851	23.53%	1.747%
45	11.498	1648	1651	1654	rBV	185392	172828	7.84%	0.582%
46	11.533	1654	1657	1659	rVV	732113	700975	31.79%	2.360%
47	11.557	1659	1661	1668	rVB	350289	316806	14.37%	1.066%
48	11.657	1673	1678	1681	rVB4	68004	74064	3.36%	0.249%
49	11.716	1685	1688	1691	rVV	203736	200329	9.09%	0.674%
50	11.757	1693	1695	1699	rVB2	83506	80735	3.66%	0.272%
51	11.869	1711	1714	1716	rVV	118701	104393	4.73%	0.351%
52	11.898	1716	1719	1722	rVV	187816	186975	8.48%	0.629%
53	11.927	1722	1724	1727	rVB	131870	110342	5.00%	0.371%
54	11.974	1727	1732	1734	rBV	399551	414486	18.80%	1.395%
55	12.010	1734	1738	1740	rVV2	222452	279688	12.69%	0.941%
56	12.027	1740	1741	1744	rVV2	127152	108491	4.92%	0.365%
57	12.063	1744	1747	1751	rVB2	184709	217916	9.88%	0.734%
58	12.133	1755	1759	1762	rBV	1967937	1879688	85.26%	6.327%
59	12.180	1764	1767	1768	rBV	77886	65324	2.96%	0.220%
60	12.198	1768	1770	1773	rVV2	72151	65485	2.97%	0.220%
61	12.274	1780	1783	1788	rBV2	140576	158501	7.19%	0.534%
62	12.357	1792	1797	1800	rBV	1849417	2204742	100.00%	7.422%
63	12.380	1800	1801	1804	rVV2	140931	101888	4.62%	0.343%
64	12.421	1804	1808	1811	rVB3	143311	200299	9.08%	0.674%
65	12.474	1811	1817	1819	rBV2	132024	174655	7.92%	0.588%
66	12.504	1819	1822	1829	rVB2	343521	460128	20.87%	1.549%
67	12.580	1829	1835	1838	rBV2	221674	347556	15.76%	1.170%
68	12.663	1846	1849	1850	rVV2	150438	178518	8.10%	0.601%
69	12.686	1850	1853	1857	rVB	435228	430905	19.54%	1.451%
70	12.751	1860	1864	1867	rVV	396986	341466	15.49%	1.149%
71	12.786	1867	1870	1874	rVV	373638	391841	17.77%	1.319%

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72	12.874	1882	1885	1888	rVV	248145	223061	10.12%	0.751%
73	12.910	1888	1891	1894	rVV	231960	214738	9.74%	0.723%
74	13.168	1931	1935	1937	rBV3	82107	123861	5.62%	0.417%
75	13.198	1937	1940	1943	rVV2	128539	139914	6.35%	0.471%
76	13.298	1952	1957	1959	rBV2	235453	296409	13.44%	0.998%
77	13.321	1959	1961	1963	rVV2	185271	159496	7.23%	0.537%
78	13.345	1963	1965	1967	rVV	135991	126358	5.73%	0.425%
79	13.368	1967	1969	1972	rVV2	93640	100830	4.57%	0.339%
80	13.404	1972	1975	1977	rVV2	76245	86507	3.92%	0.291%
81	13.539	1992	1998	2002	rBV2	1045718	1647534	74.73%	5.546%
82	13.574	2002	2004	2008	rVV	860742	715137	32.44%	2.407%
83	13.651	2012	2017	2019	rBV2	182910	207362	9.41%	0.698%
84	13.704	2023	2026	2030	rBV3	70070	104066	4.72%	0.350%
85	13.898	2056	2059	2061	rBV2	89069	91655	4.16%	0.309%
86	13.933	2061	2065	2068	rVV	269447	318221	14.43%	1.071%
87	13.968	2068	2071	2073	rVB	123359	115873	5.26%	0.390%
88	14.057	2084	2086	2088	rBV2	105811	96648	4.38%	0.325%
89	14.410	2143	2146	2149	rBV	73432	73344	3.33%	0.247%
90	14.539	2164	2168	2171	rBV	558143	750587	34.04%	2.527%
91	14.627	2180	2183	2186	rVB	112170	111453	5.06%	0.375%
92	14.786	2206	2210	2215	rBV	335015	345051	15.65%	1.162%
93	14.839	2215	2219	2224	rVV	503308	571164	25.91%	1.923%
94	14.886	2224	2227	2230	rVV	270889	312964	14.20%	1.054%
95	14.915	2230	2232	2238	rVB3	138144	174794	7.93%	0.588%
96	15.074	2256	2259	2265	rBV6	70766	107153	4.86%	0.361%
97	15.927	2401	2404	2406	rBV4	47214	64024	2.90%	0.216%
98	16.086	2427	2431	2436	rVB	186059	265108	12.02%	0.892%
99	16.439	2487	2491	2501	rBV	185288	400694	18.17%	1.349%
100	16.986	2582	2584	2591	rVB8	51332	85804	3.89%	0.289%

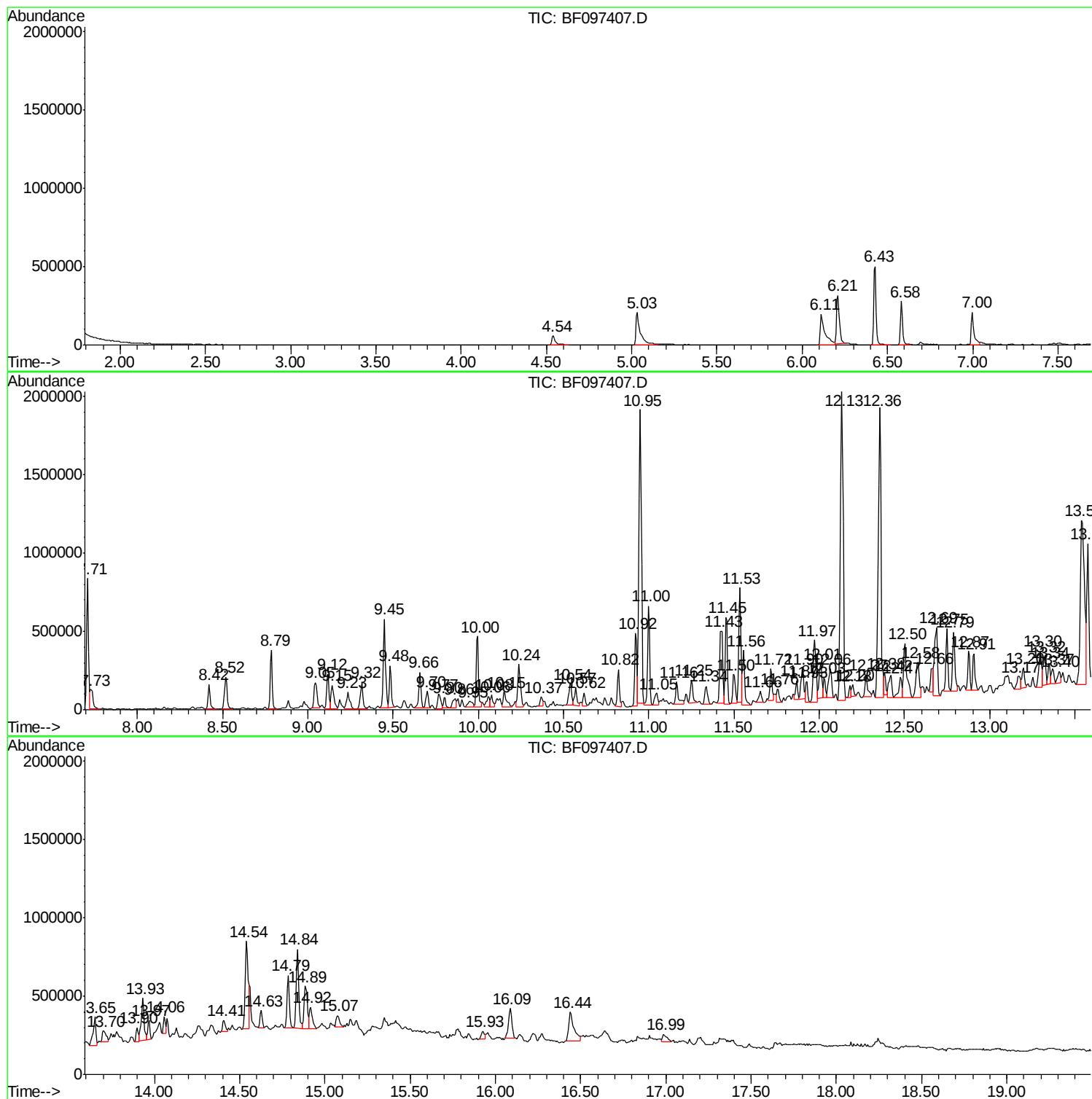
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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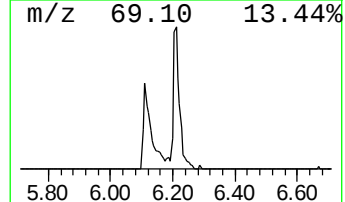
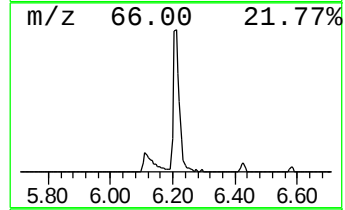
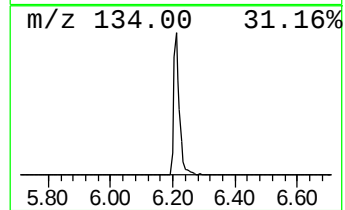
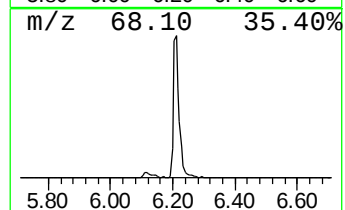
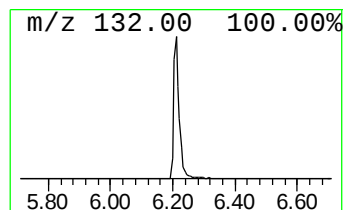
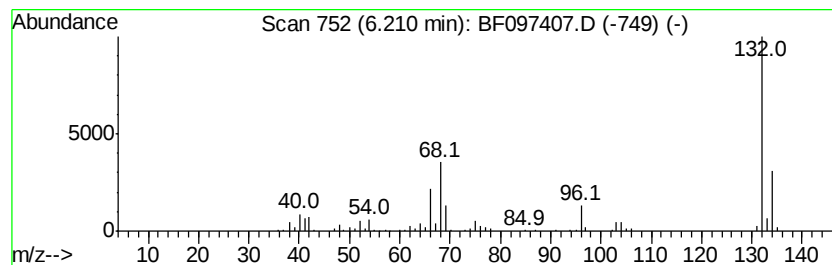
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.21 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	15.05 ng	380979	1,4-Dichlorobenzene-d4	6.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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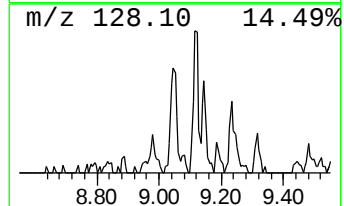
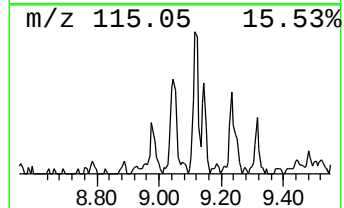
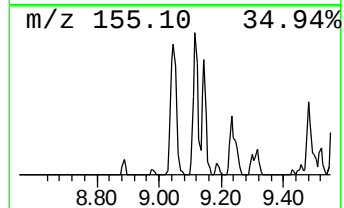
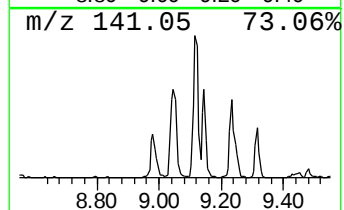
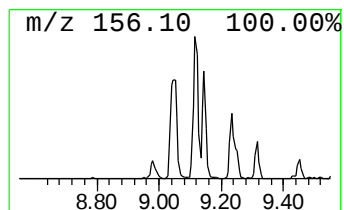
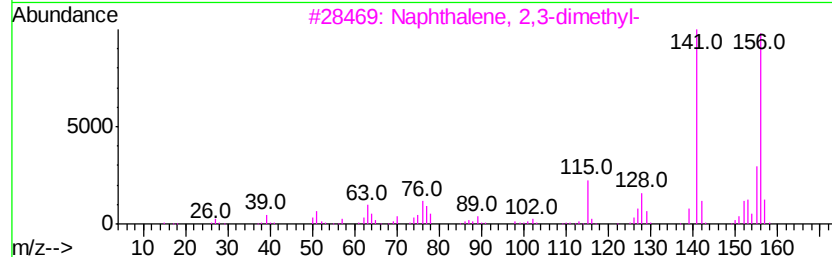
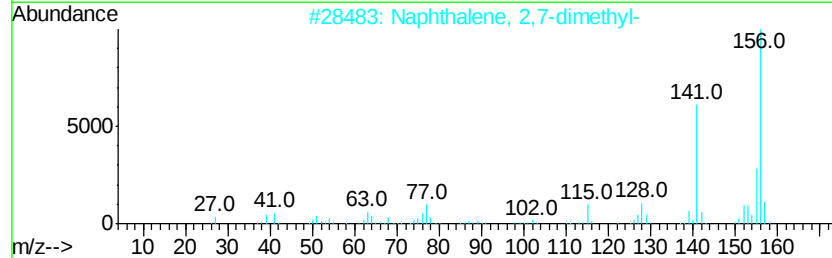
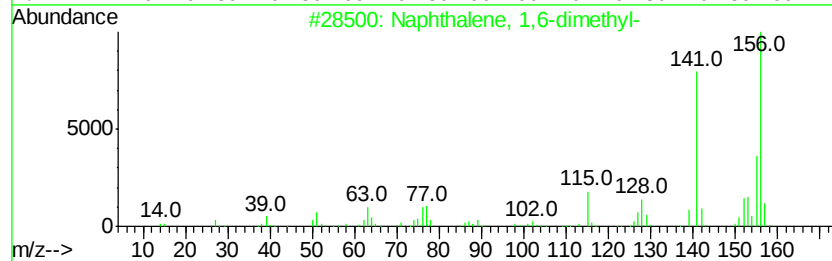
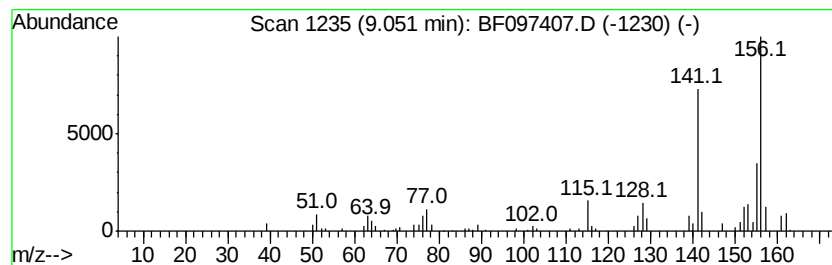
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
9.05	8.89 ng	219124	Acenaphthene-d10		9.45	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene,	1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene,	2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene,	2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene,	2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene,	1,2-dimethyl-	156	C12H12	000573-98-8	96



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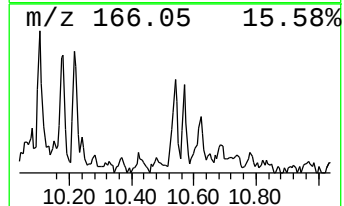
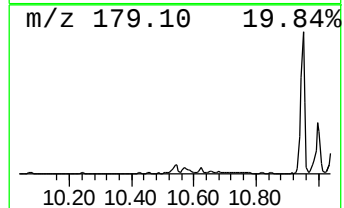
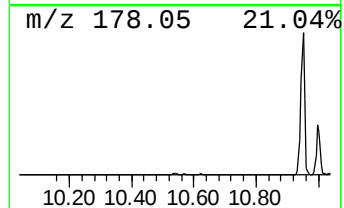
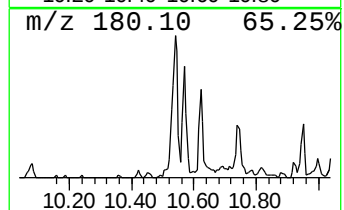
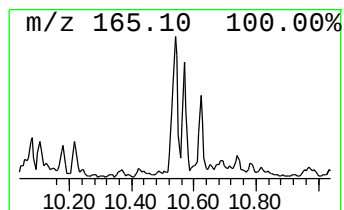
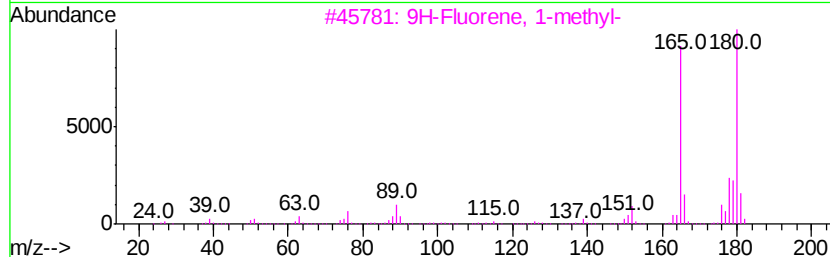
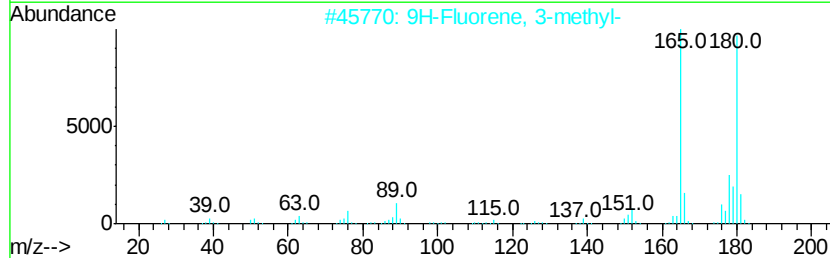
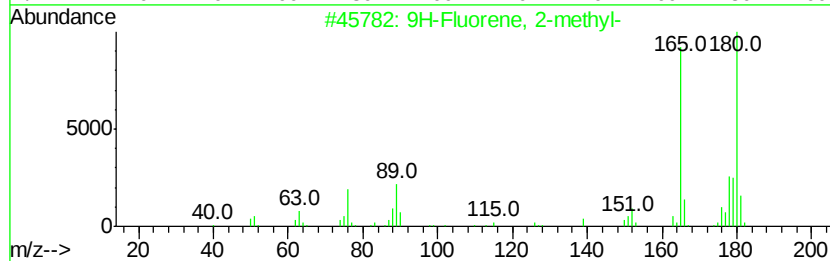
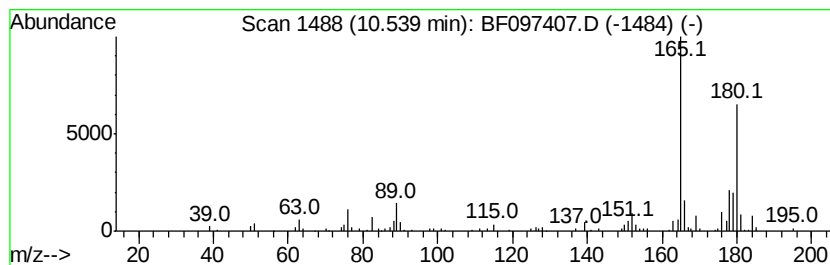
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Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	7.81 ng	176733	Phenanthrene-d10	10.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5		(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	83



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Misc :
ALS Vial : 18 Sample Multiplier: 1

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

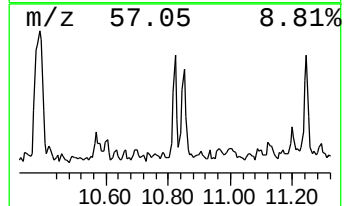
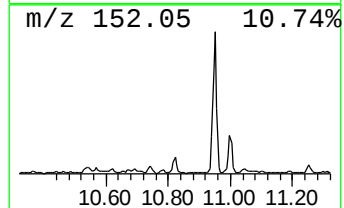
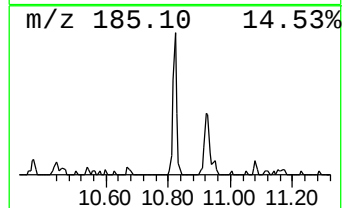
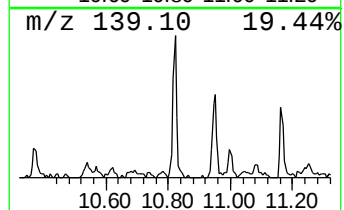
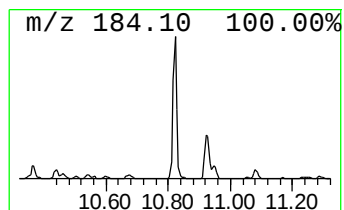
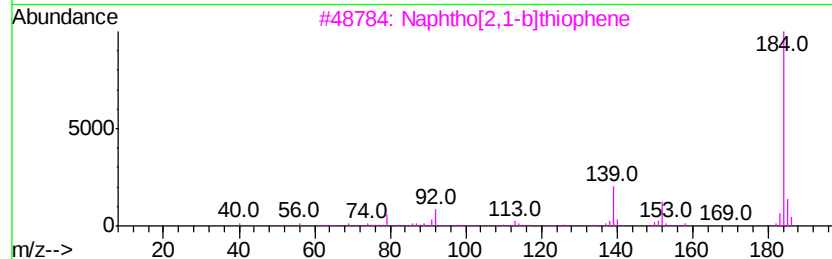
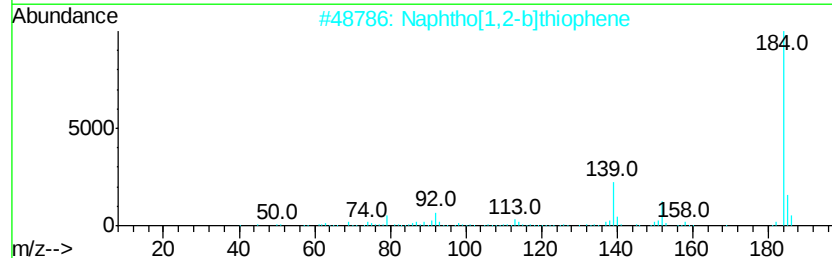
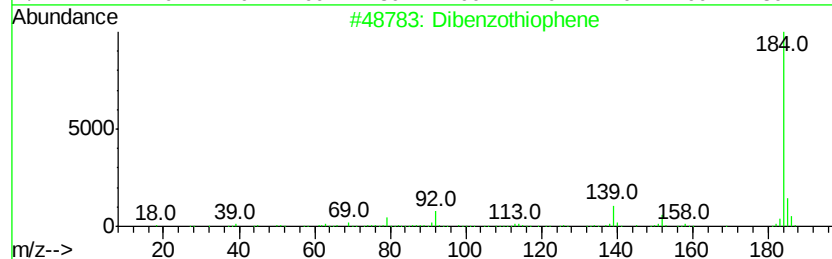
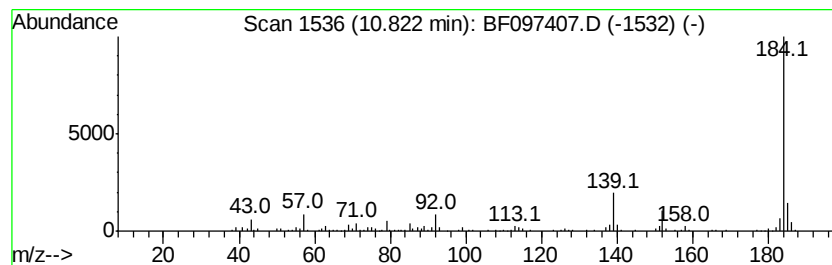
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	9.88 ng	223576	Phenanthrene-d10	10.92

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097407.D
Acq On : 5 Aug 2017 19:51
Operator : SJ/JU
Sample : I4610-13 5X
Misc :
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Instrument :
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ClientSampleId :
PL-02-080317-E

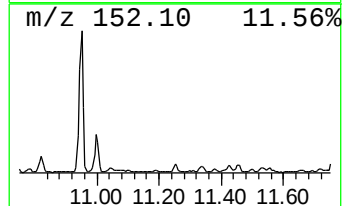
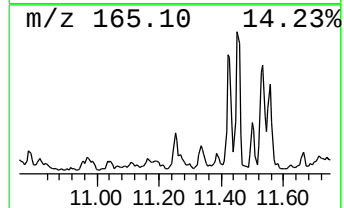
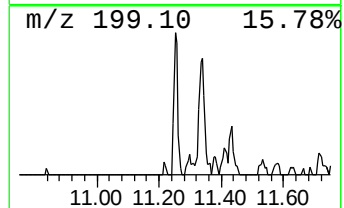
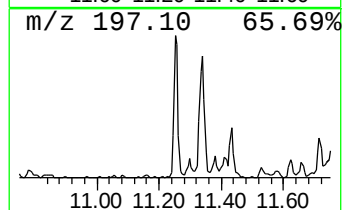
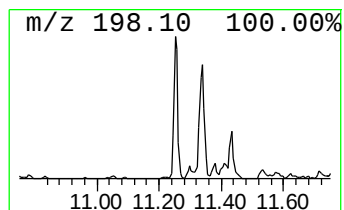
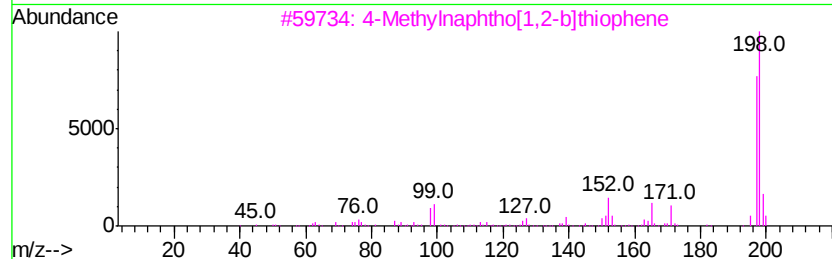
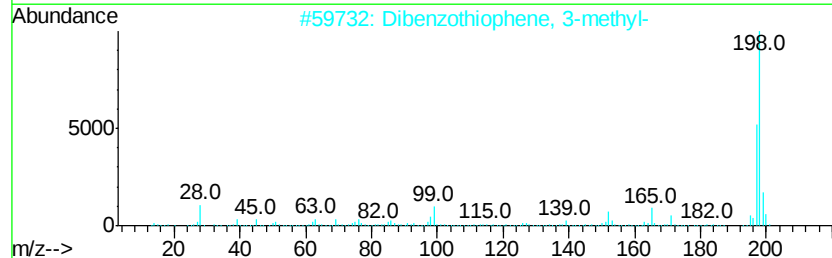
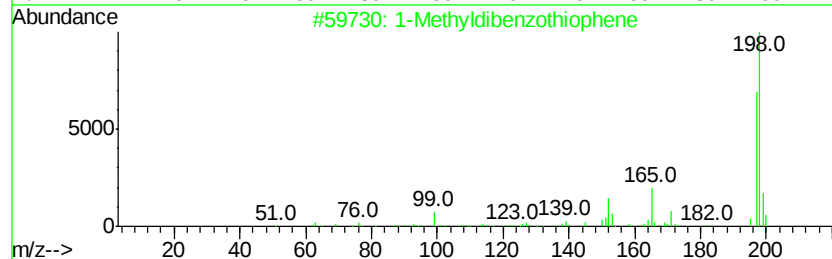
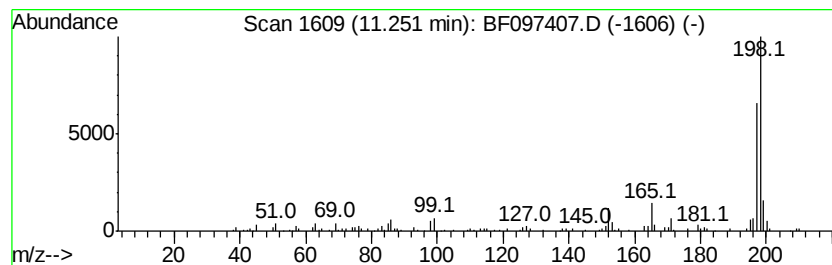
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	7.10 ng	160768	Phenanthrene-d10	10.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
3			4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
4			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
5			Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097407.D
Acq On : 5 Aug 2017 19:51
Operator : SJ/JU
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Misc :
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Instrument :
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ClientSampleId :
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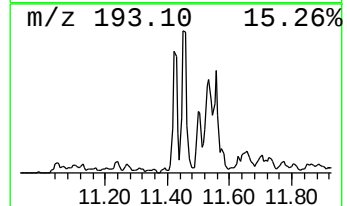
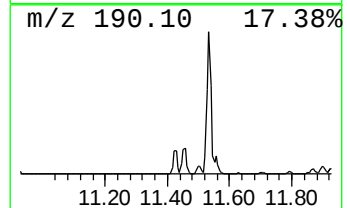
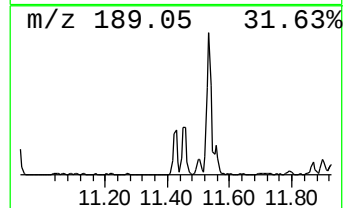
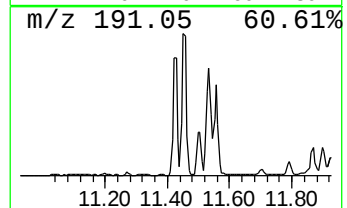
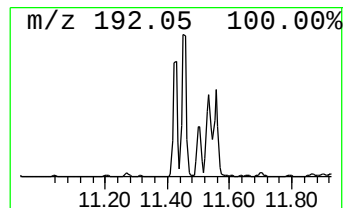
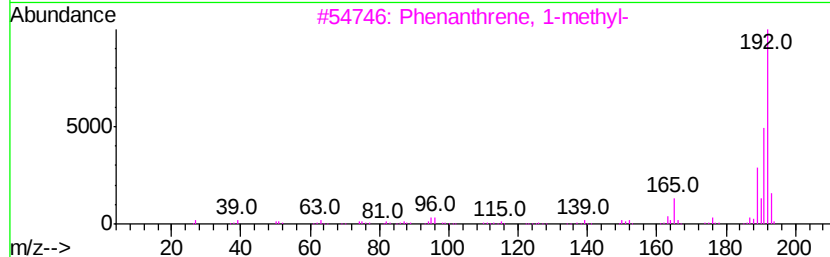
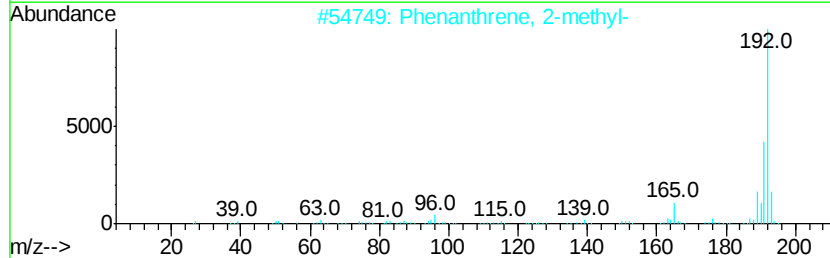
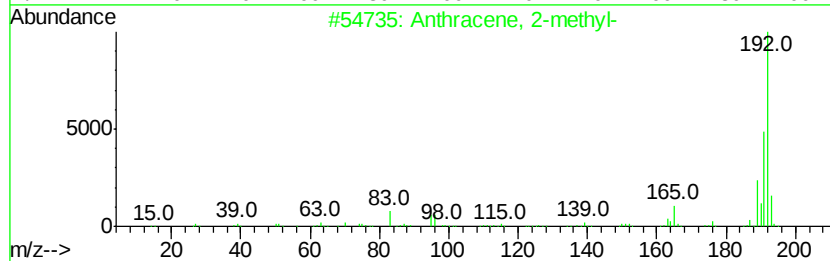
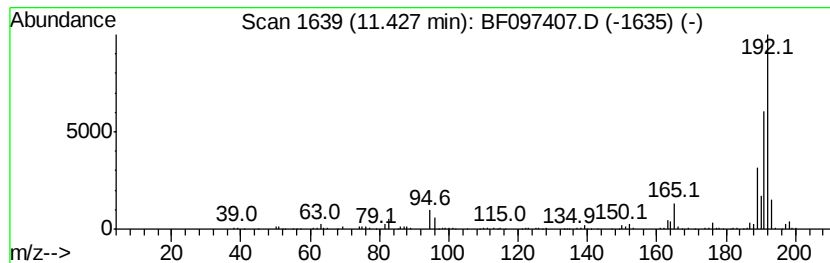
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	20.57 ng	465717	Phenanthrene-d10	10.92

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	92
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
Data File : BF097407.D
Acq On : 5 Aug 2017 19:51
Operator : SJ/JU
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Instrument :
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ClientSampleId :
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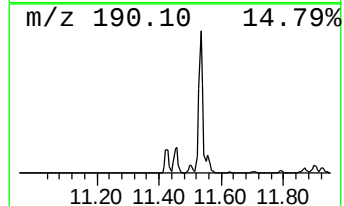
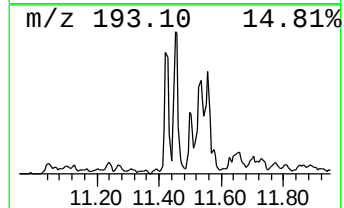
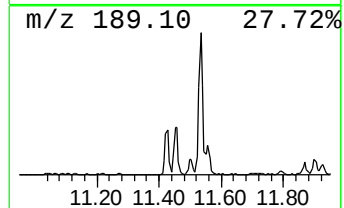
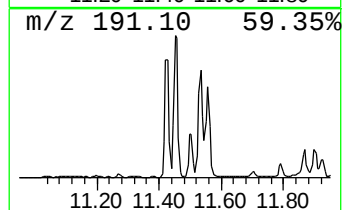
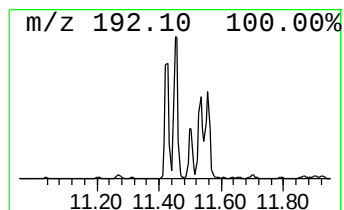
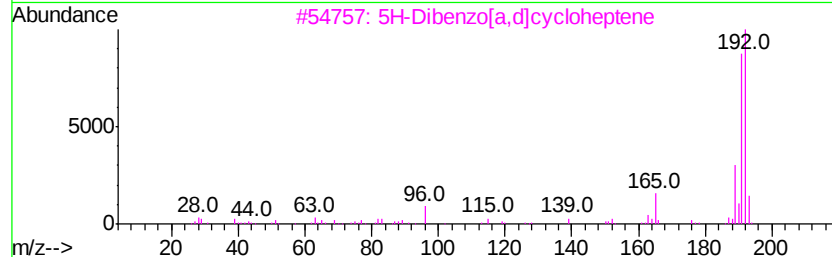
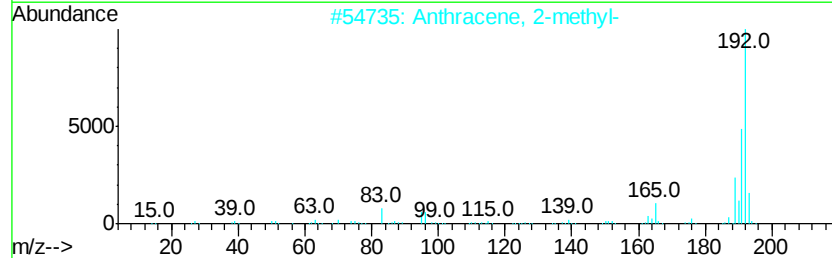
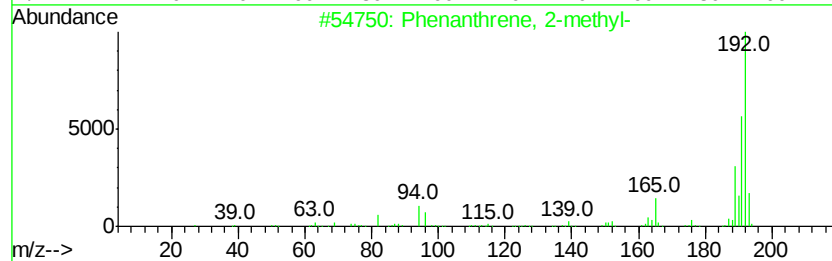
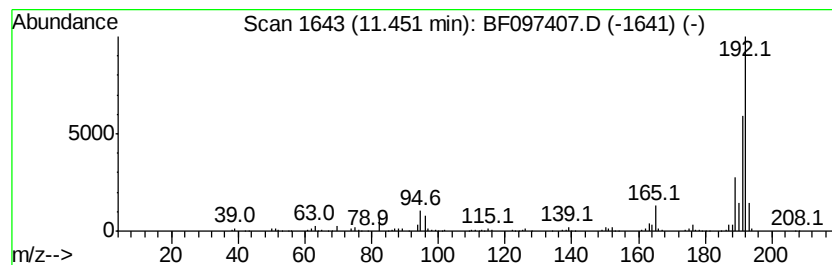
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	22.92 ng	518851	Phenanthrene-d10	10.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
Data File : BF097407.D
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Operator : SJ/JU
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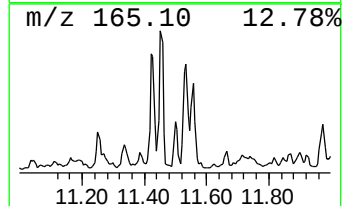
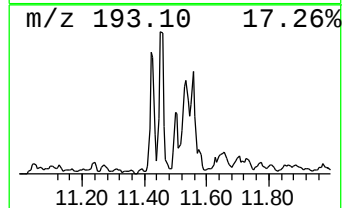
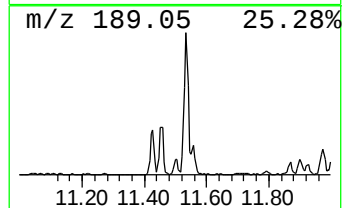
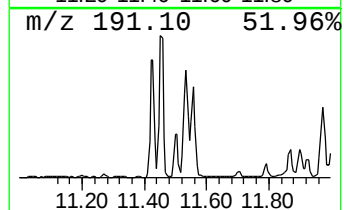
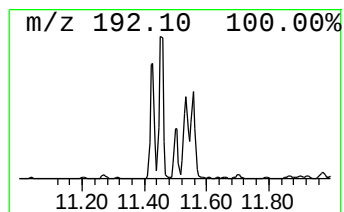
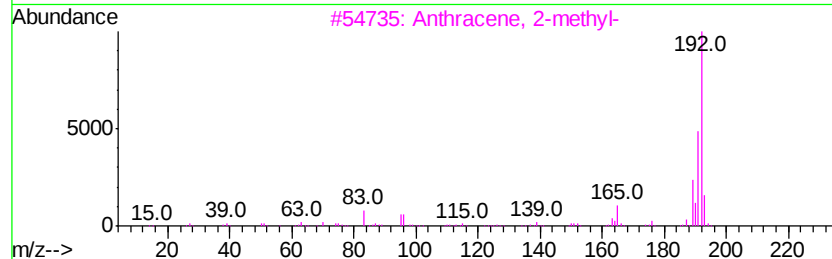
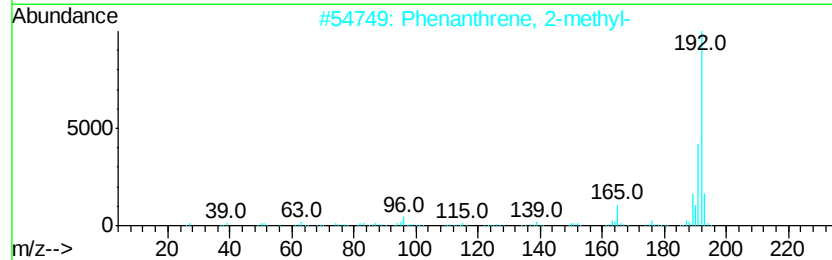
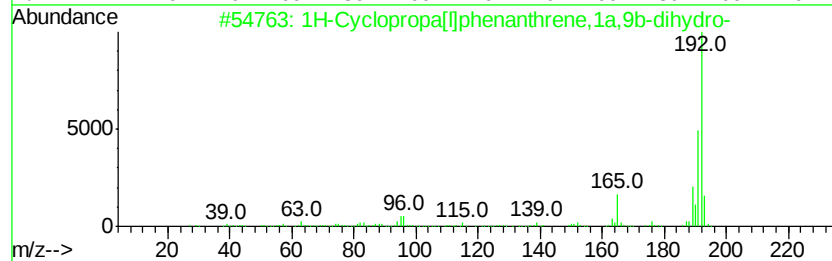
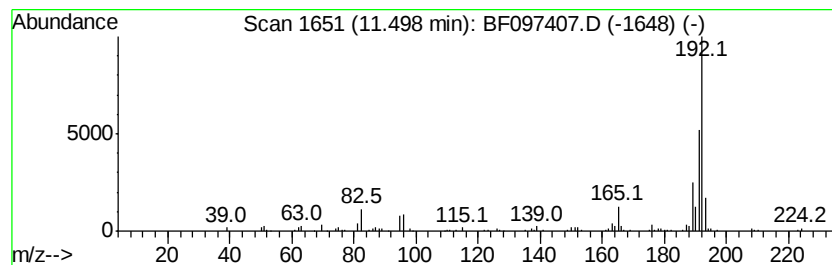
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	7.63 ng	172828	Phenanthrene-d10	10.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	97
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
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Acq On : 5 Aug 2017 19:51
Operator : SJ/JU
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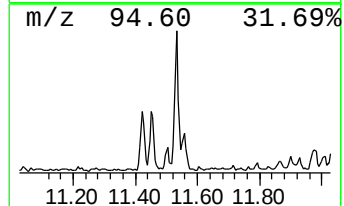
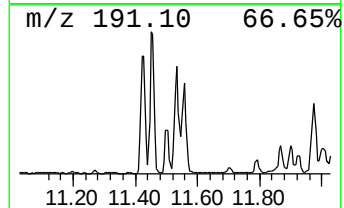
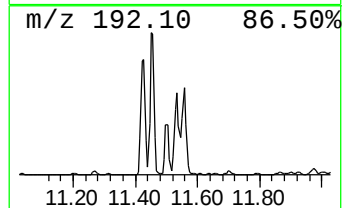
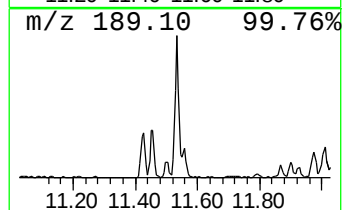
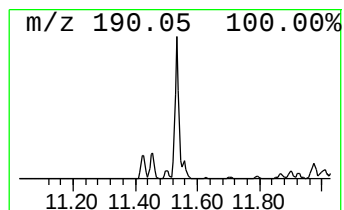
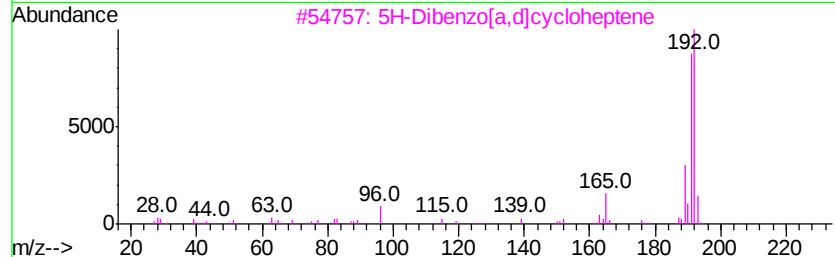
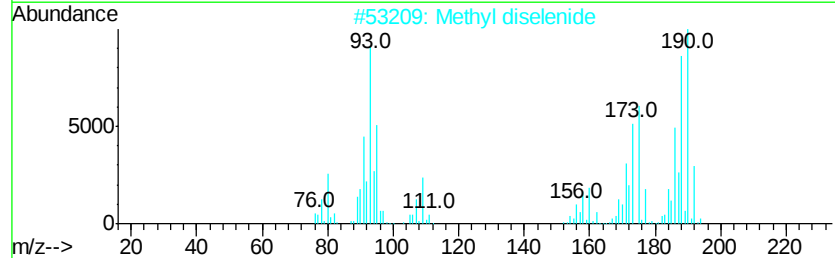
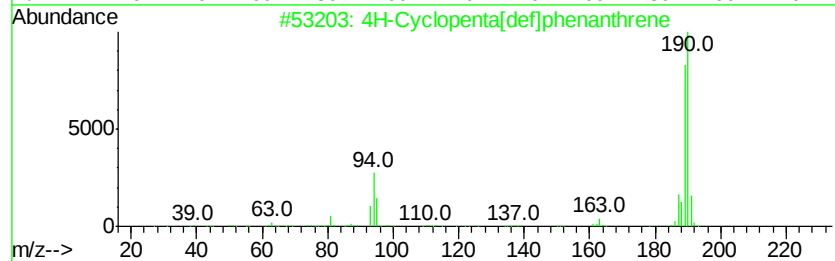
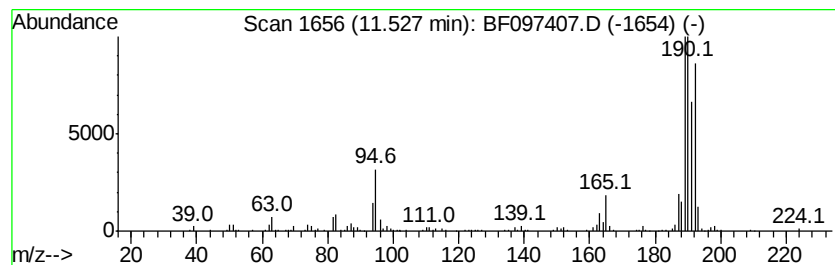
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.53	30.96 ng	700975	Phenanthrene-d10	10.92		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		Methyl diselenide	190	C2H6Se2	007101-31-7	38
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
4		1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	25
5		1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
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Sample : I4610-13 5X
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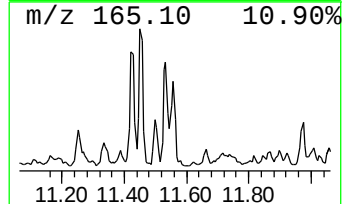
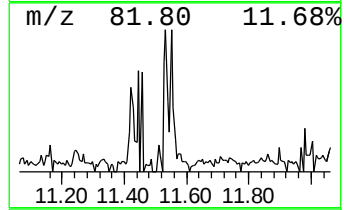
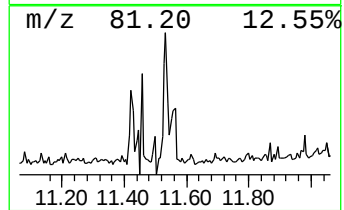
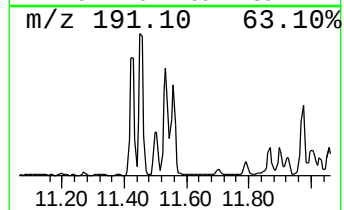
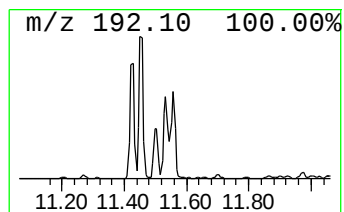
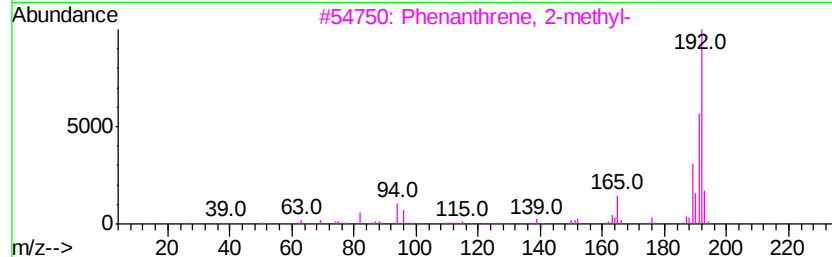
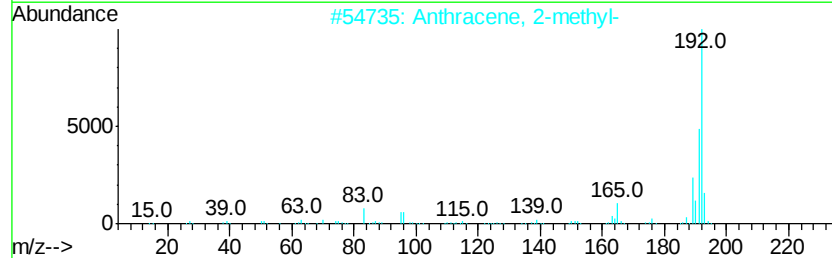
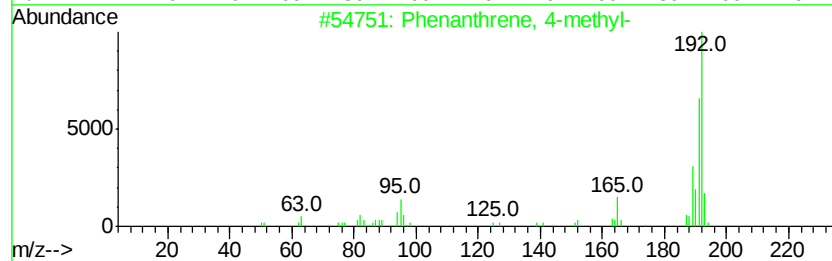
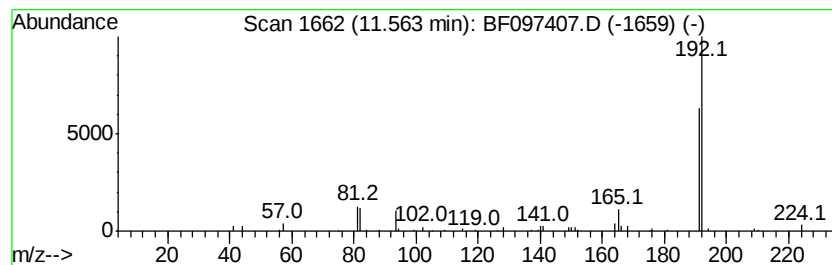
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.56	13.99 ng	316806	Phenanthrene-d10	10.92	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	87



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Data File : BF097407.D
Acq On : 5 Aug 2017 19:51
Operator : SJ/JU
Sample : I4610-13 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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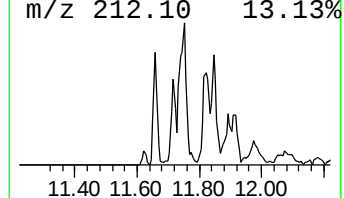
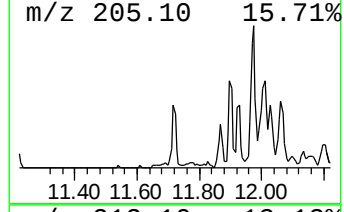
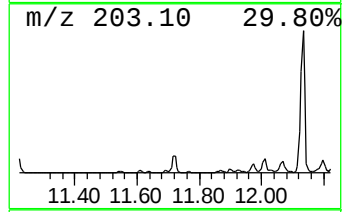
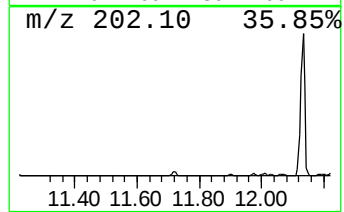
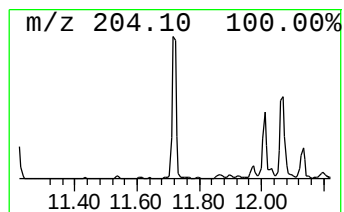
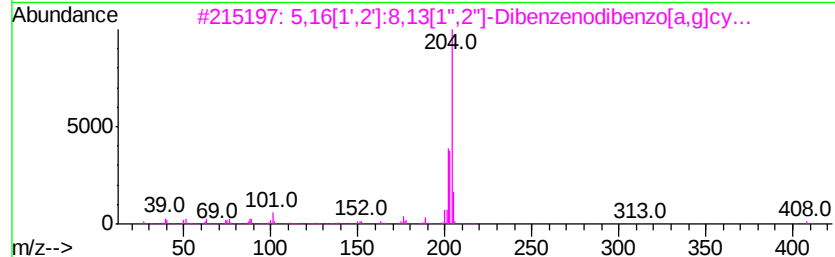
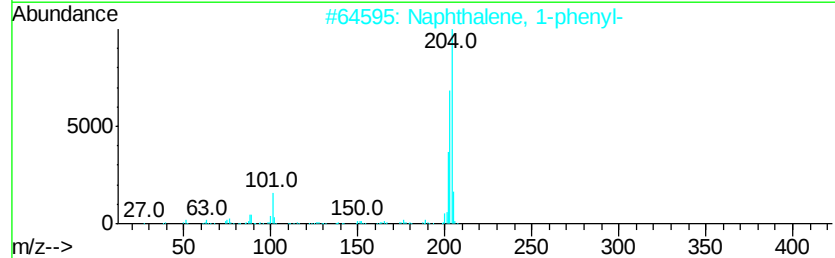
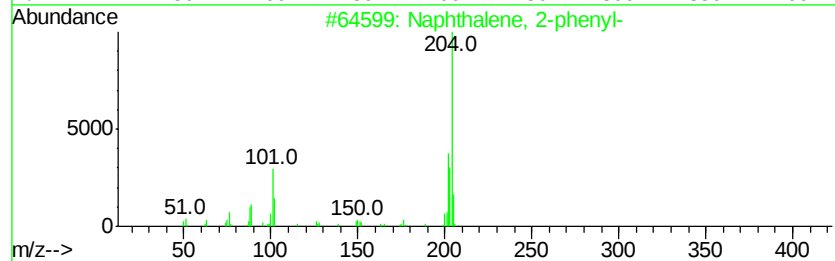
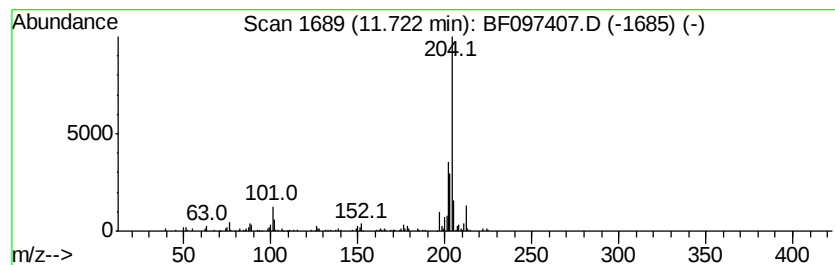
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	8.85 ng	200329	Phenanthrene-d10	10.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
3		5,16[1',2']8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
5		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	55



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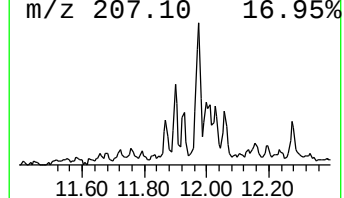
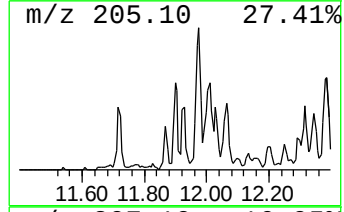
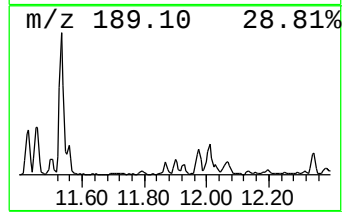
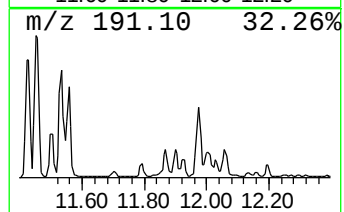
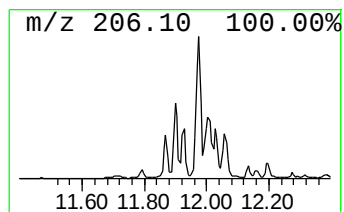
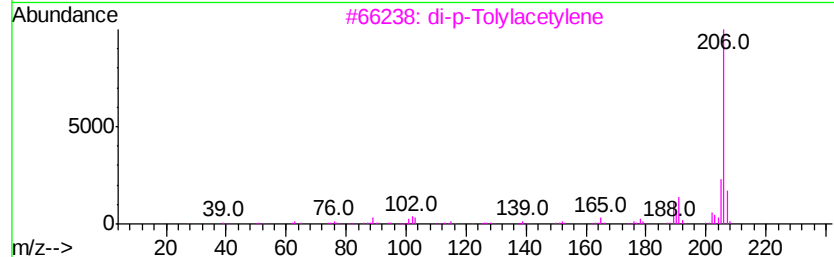
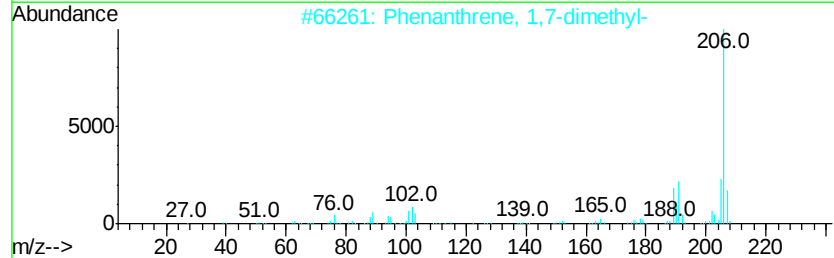
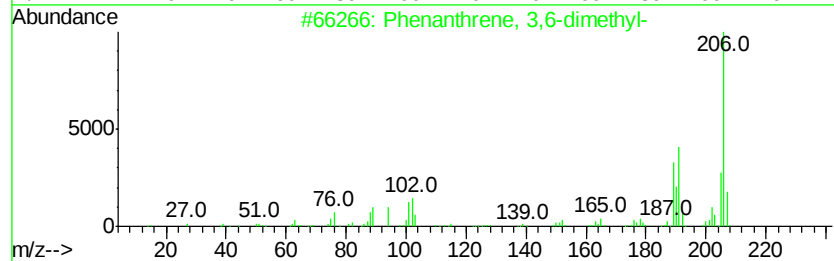
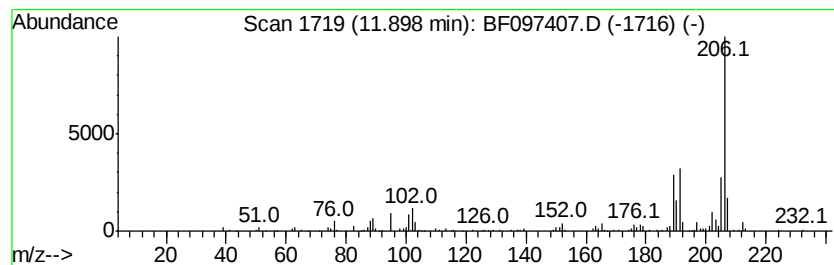
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	8.26 ng	186975	Phenanthrene-d10	10.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	98
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
3			di-p-Tolylacetvlene	206	C16H14	002789-88-0	94
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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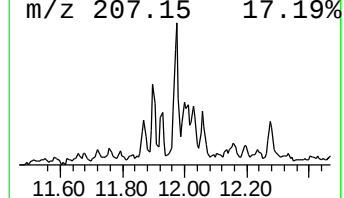
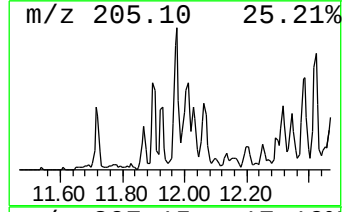
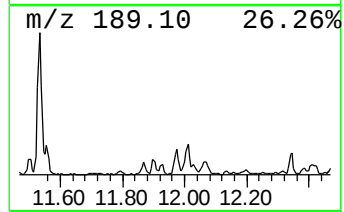
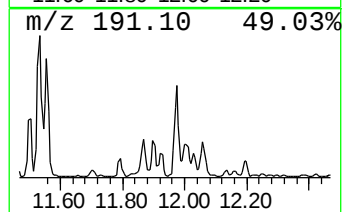
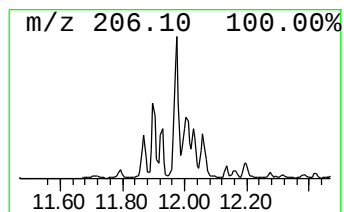
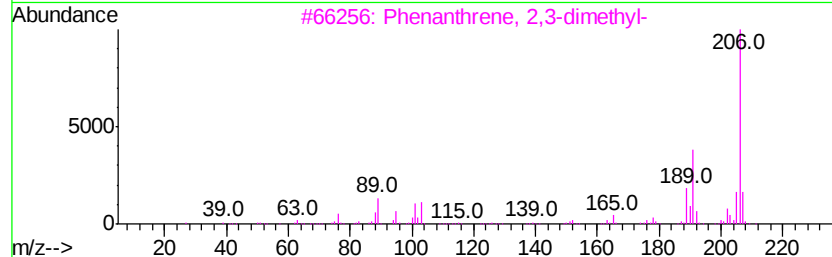
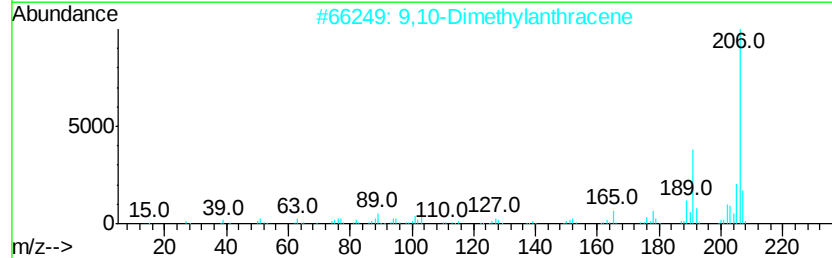
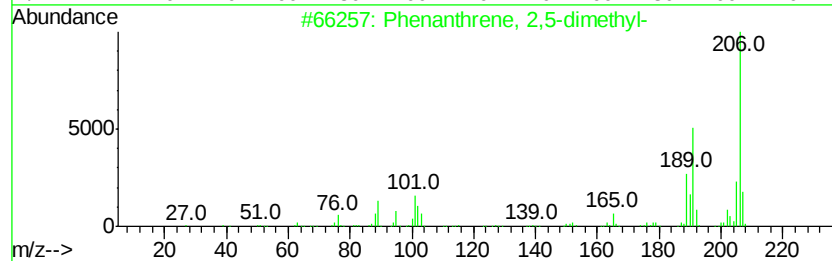
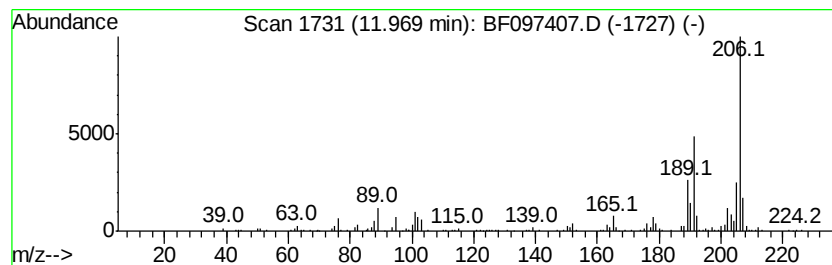
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	18.31 ng	414486	Phenanthrene-d10	10.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
Data File : BF097407.D
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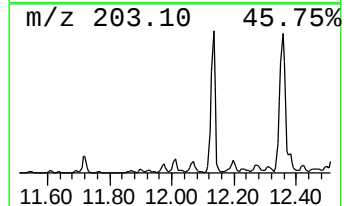
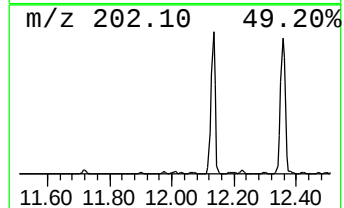
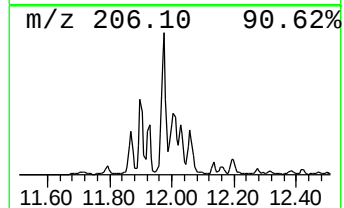
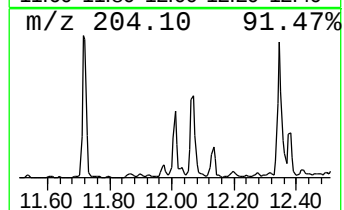
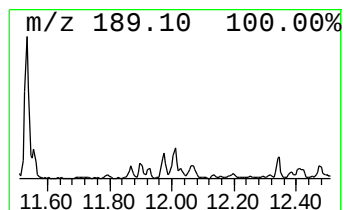
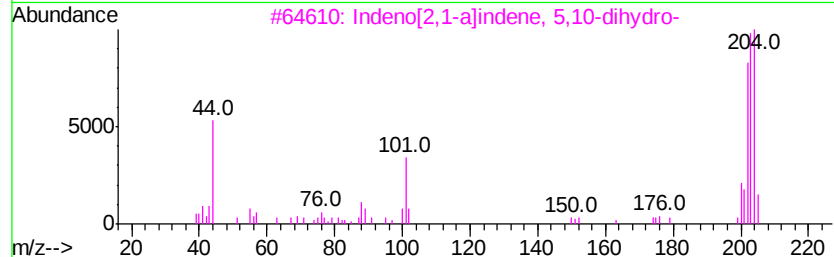
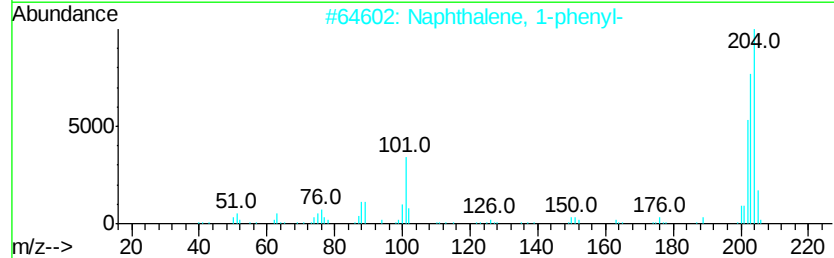
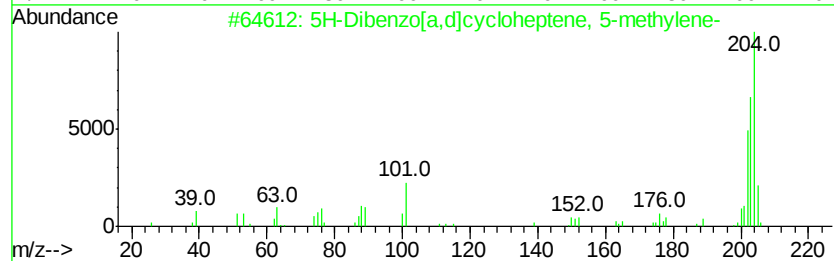
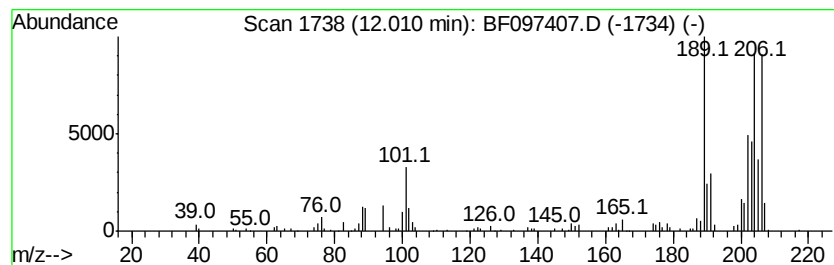
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 5H-Dibenzo[a,d]cycloheptene... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	12.35 ng	279688	Phenanthrene-d10	10.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	51
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45
3		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	45
4		Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35



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Data File : BF097407.D
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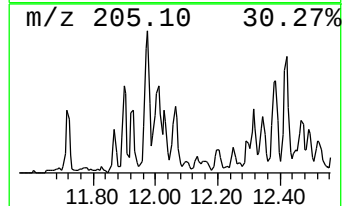
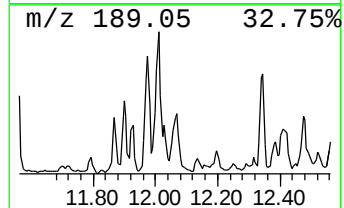
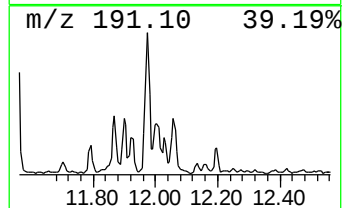
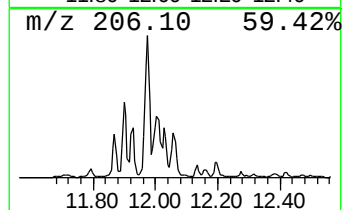
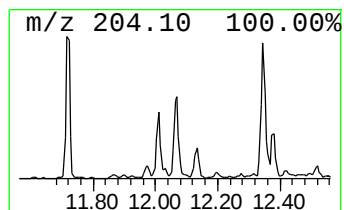
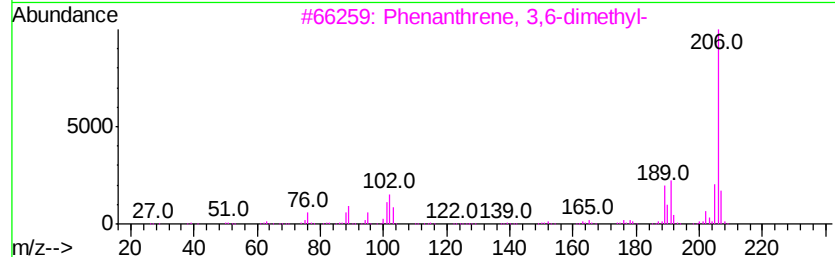
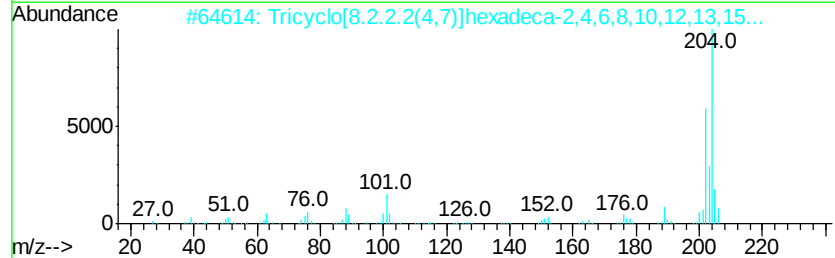
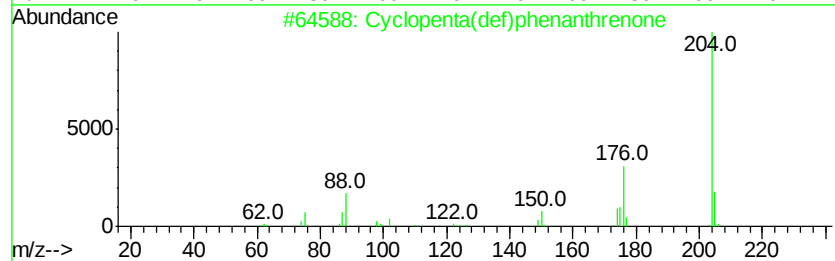
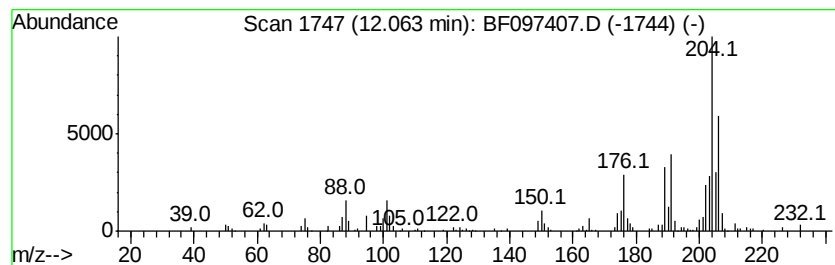
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	9.63 ng	217916	Phenanthrene-d10	10.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	80
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	46
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43



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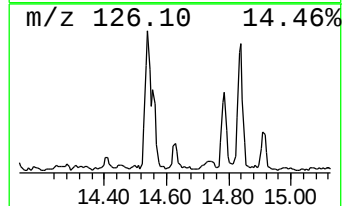
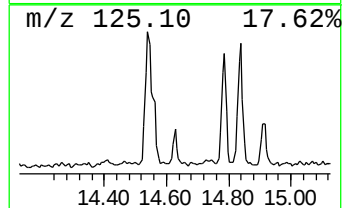
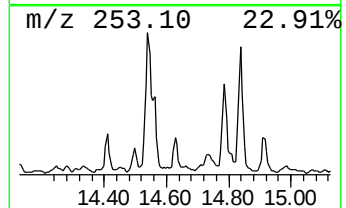
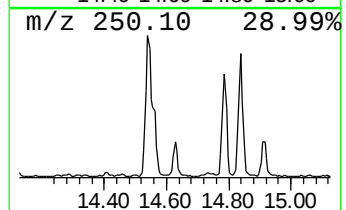
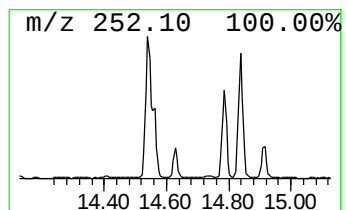
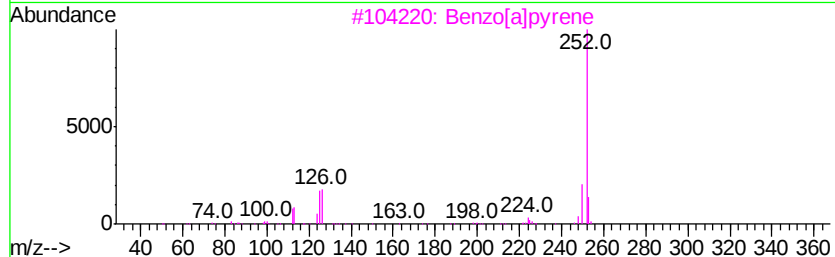
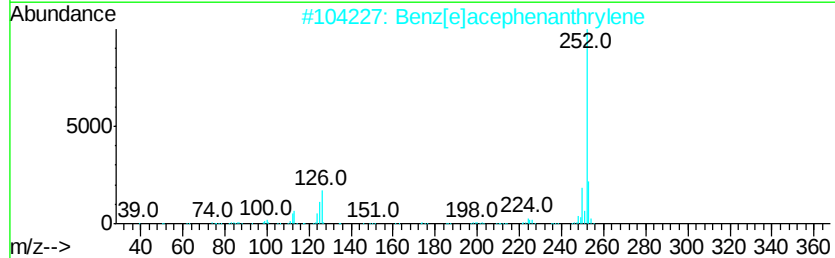
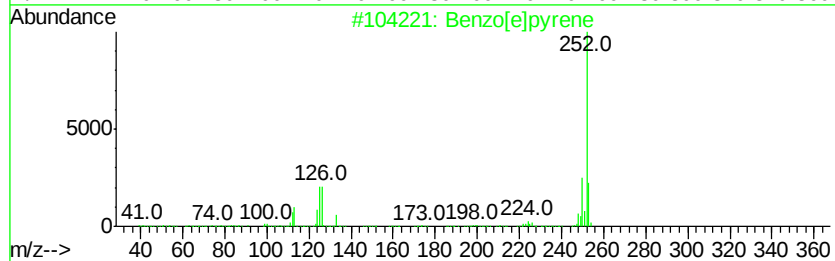
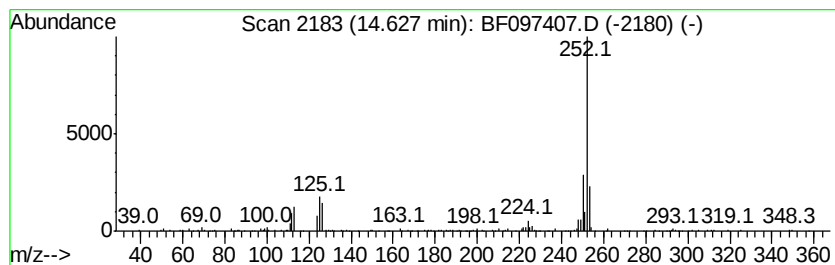
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	7.12 ng	111453	Perylene-d12	14.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[e]bpvrene	252 C20H12	000192-97-2 96
2		Benz[e]acephenanthrylene	252 C20H12	000205-99-2 95
3		Benzo[a]bpvrene	252 C20H12	000050-32-8 93
4		Perylene	252 C20H12	000198-55-0 93
5		Benzo[k]fluoranthene	252 C20H12	000207-08-9 93



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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-02-080317-E

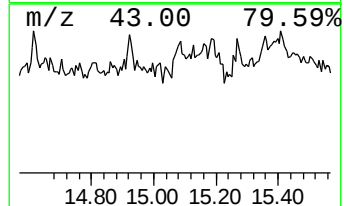
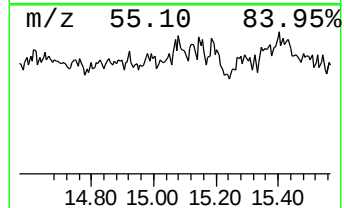
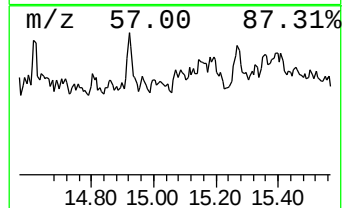
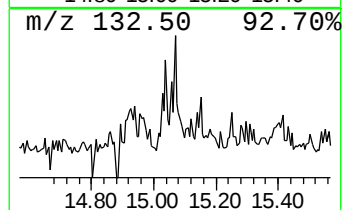
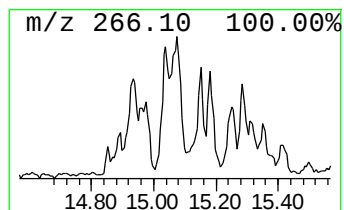
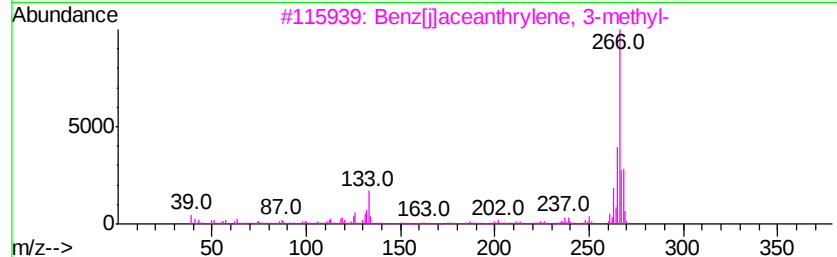
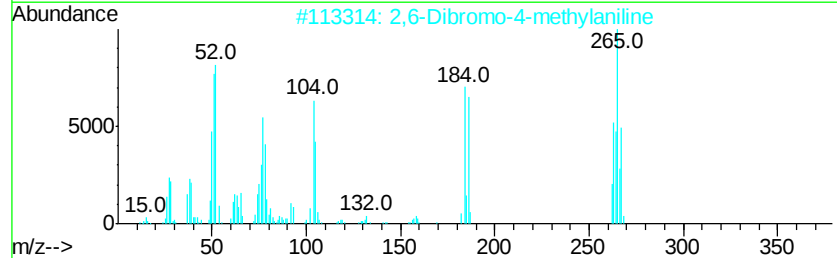
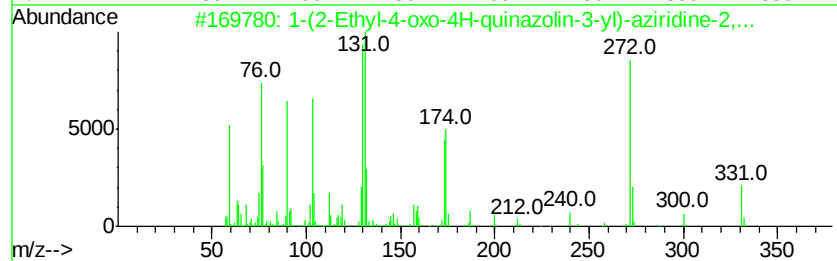
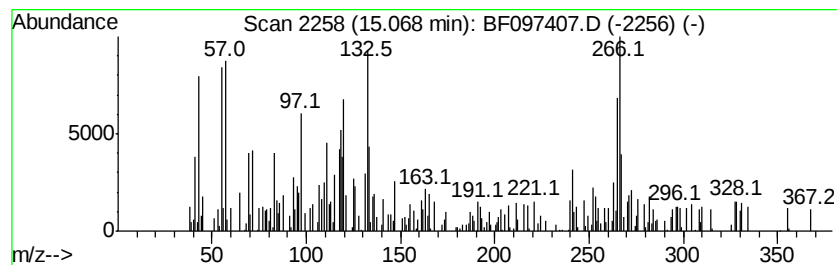
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1-(2-Ethyl-4-oxo-4H-quinazo... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	6.85 ng	107153	Perylene-d12	14.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-(2-Ethyl-4-oxo-4H-quinazolin-3...	331	C16H17N3O5	1000296-14-2	93
2		2,6-Dibromo-4-methylaniline	263	C7H7Br2N	006968-24-7	25
3		Benz[il]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	25
4		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	25
5		Propanamide, 2,2,3,3,3-pentafluo...	429	C14H9F10N03	072347-72-9	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
 Data File : BF097407.D
 Acq On : 5 Aug 2017 19:51
 Operator : SJ/JU
 Sample : I4610-13 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

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
unknown6.21	6.21	15.1	ng	380979	1	6.43	506445	20.0
Naphthalene, 1,6-...	9.05	8.9	ng	219124	3	9.45	493024	20.0
9H-Fluorene, 2-me...	10.54	7.8	ng	176733	4	10.92	452803	20.0
Dibenzothiophene	10.82	9.9	ng	223576	4	10.92	452803	20.0
1-Methyldibenzoth...	11.25	7.1	ng	160768	4	10.92	452803	20.0
Anthracene, 2-met...	11.43	20.6	ng	465717	4	10.92	452803	20.0
Phenanthrene, 2-m...	11.45	22.9	ng	518851	4	10.92	452803	20.0
1H-Cyclopropa[1]p...	11.50	7.6	ng	172828	4	10.92	452803	20.0
4H-Cyclopenta[def...	11.53	31.0	ng	700975	4	10.92	452803	20.0
Phenanthrene, 4-m...	11.56	14.0	ng	316806	4	10.92	452803	20.0
Naphthalene, 2-ph...	11.72	8.8	ng	200329	4	10.92	452803	20.0
Phenanthrene, 3,6...	11.90	8.3	ng	186975	4	10.92	452803	20.0
Phenanthrene, 2,5...	11.97	18.3	ng	414486	4	10.92	452803	20.0
5H-Dibenzo[a,d]cy...	12.01	12.4	ng	279688	4	10.92	452803	20.0
Cyclopenta(def)ph...	12.06	9.6	ng	217916	4	10.92	452803	20.0
Benzo[e]pyrene	14.63	7.1	ng	111453	6	14.89	312964	20.0
1-(2-Ethyl-4-oxo-...	15.07	6.8	ng	107153	6	14.89	312964	20.0