

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
 Data File : BF099815.D
 Acq On : 25 Oct 2017 16:05
 Operator : SJ/JU
 Sample : I6064-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-4248-COMP

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.410	563	565	585	rBV	225648	301126	7.28%	0.658%
2	6.434	736	739	755	rBV	281785	330420	7.98%	0.722%
3	6.563	758	761	767	rBV	393352	357665	8.64%	0.781%
4	6.792	797	800	807	rBV	571976	471906	11.40%	1.031%
5	6.945	823	826	835	rBV	316370	296764	7.17%	0.648%
6	7.363	893	897	909	rBV	185332	200696	4.85%	0.438%
7	8.075	1015	1018	1020	rBV	830032	687984	16.62%	1.503%
8	8.098	1020	1022	1028	rVB	830490	625655	15.12%	1.367%
9	8.792	1136	1140	1147	rBV	545949	478508	11.56%	1.045%
10	8.886	1152	1156	1160	rBV	435047	392892	9.49%	0.858%
11	9.151	1198	1201	1205	rVB	595188	445292	10.76%	0.973%
12	9.257	1216	1219	1224	rVB	134730	107707	2.60%	0.235%
13	9.422	1242	1247	1251	rBV	163155	216145	5.22%	0.472%
14	9.492	1255	1259	1262	rBV	295760	288534	6.97%	0.630%
15	9.522	1262	1264	1267	rVB	178397	140711	3.40%	0.307%
16	9.610	1276	1279	1287	rVB	149385	159383	3.85%	0.348%
17	9.698	1291	1294	1299	rVB2	208290	181721	4.39%	0.397%
18	9.833	1315	1317	1320	rVV	758618	709780	17.15%	1.550%
19	9.869	1320	1323	1326	rVB	885407	687833	16.62%	1.502%
20	10.045	1348	1353	1356	rVV	524790	521621	12.60%	1.139%
21	10.075	1356	1358	1362	rVB	107783	104764	2.53%	0.229%
22	10.386	1407	1411	1416	rVB	1256335	1098633	26.55%	2.400%
23	10.451	1416	1422	1423	rBV	113940	134913	3.26%	0.295%
24	10.469	1423	1425	1428	rVV2	130196	112545	2.72%	0.246%
25	10.545	1435	1438	1441	rVB2	210324	209932	5.07%	0.459%
26	10.627	1444	1452	1456	rBV3	353776	419159	10.13%	0.916%
27	10.933	1498	1504	1507	rBV2	213486	268308	6.48%	0.586%
28	10.963	1507	1509	1512	rVV	142802	124846	3.02%	0.273%
29	11.016	1515	1518	1521	rVB	112382	102092	2.47%	0.223%
30	11.063	1521	1526	1528	rBV2	72429	102311	2.47%	0.223%
31	11.180	1543	1546	1549	rVV2	83397	97171	2.35%	0.212%
32	11.227	1549	1554	1560	rVB	480351	420444	10.16%	0.918%
33	11.333	1568	1572	1573	rBV	662925	647290	15.64%	1.414%
34	11.369	1573	1578	1580	rVV	3438328	4138435	100.00%	9.039%

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35	11.410	1580	1585	1589	rVV	1317623	1264780	30.56%	2.762%
36	11.445	1589	1591	1596	rVV2	99277	140352	3.39%	0.307%
37	11.569	1607	1612	1617	rBV	786678	709592	17.15%	1.550%
38	11.621	1617	1621	1623	rVV2	98541	98653	2.38%	0.215%
39	11.663	1626	1628	1633	rVB2	151234	160783	3.89%	0.351%
40	11.745	1639	1642	1645	rVB	108545	131819	3.19%	0.288%
41	11.833	1653	1657	1659	rBV	656508	576324	13.93%	1.259%
42	11.863	1659	1662	1666	rVB	839440	708060	17.11%	1.547%
43	11.910	1666	1670	1673	rBV	258501	232041	5.61%	0.507%
44	11.945	1673	1676	1679	rVV2	936338	1071412	25.89%	2.340%
45	11.969	1679	1680	1685	rVB	445037	259159	6.26%	0.566%
46	12.127	1704	1707	1709	rBV	378875	314171	7.59%	0.686%
47	12.169	1711	1714	1717	rVB2	127647	129446	3.13%	0.283%
48	12.310	1735	1738	1740	rVV	142579	111741	2.70%	0.244%
49	12.333	1740	1742	1745	rVB3	104662	94252	2.28%	0.206%
50	12.386	1745	1751	1753	rBV	289915	326387	7.89%	0.713%
51	12.421	1753	1757	1759	rVV3	155268	211242	5.10%	0.461%
52	12.486	1763	1768	1771	rBV2	112263	180414	4.36%	0.394%
53	12.557	1775	1780	1783	rBV	2809329	3322210	80.28%	7.256%
54	12.704	1801	1805	1807	rBV	218227	193448	4.67%	0.423%
55	12.786	1812	1819	1824	rBV2	2451702	3446695	83.28%	7.528%
56	12.827	1824	1826	1830	rVB2	172974	176562	4.27%	0.386%
57	12.916	1830	1841	1843	rBV2	453614	616256	14.89%	1.346%
58	12.945	1843	1846	1851	rVB	127185	142258	3.44%	0.311%
59	12.992	1851	1854	1859	rBV3	214067	363875	8.79%	0.795%
60	13.033	1859	1861	1866	rVB2	86205	115207	2.78%	0.252%
61	13.110	1866	1874	1877	rBV	621981	797906	19.28%	1.743%
62	13.174	1882	1885	1888	rVB	563296	465685	11.25%	1.017%
63	13.216	1888	1892	1899	rVB3	307014	396823	9.59%	0.867%
64	13.304	1904	1907	1910	rBV	171008	163967	3.96%	0.358%
65	13.339	1910	1913	1916	rBV	187504	176526	4.27%	0.386%
66	13.592	1952	1956	1959	rBV2	88137	113779	2.75%	0.249%
67	13.733	1974	1980	1982	rBV	275025	311198	7.52%	0.680%
68	13.757	1982	1984	1986	rVB	248543	183297	4.43%	0.400%
69	13.786	1986	1989	1990	rBV	169459	145618	3.52%	0.318%
70	13.839	1996	1998	2004	rVB2	95945	129169	3.12%	0.282%
71	13.904	2004	2009	2014	rBV	84207	122439	2.96%	0.267%

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72	13.980	2015	2022	2025	rVV3	1319806	2078054	50.21%	4.539%
73	14.015	2025	2028	2031	rVV	1206401	1161268	28.06%	2.536%
74	14.092	2039	2041	2044	rVB	250975	189467	4.58%	0.414%
75	14.215	2058	2062	2065	rVB2	113644	154086	3.72%	0.337%
76	14.339	2080	2083	2084	rBV	88807	105130	2.54%	0.230%
77	14.368	2084	2088	2092	rVV2	309267	488622	11.81%	1.067%
78	14.404	2092	2094	2097	rVV	153855	150396	3.63%	0.328%
79	14.445	2097	2101	2103	rVV4	102032	171389	4.14%	0.374%
80	14.474	2103	2106	2108	rVV	129304	157567	3.81%	0.344%
81	14.498	2108	2110	2112	rVV2	175791	186236	4.50%	0.407%
82	14.521	2112	2114	2117	rVV2	178485	174289	4.21%	0.381%
83	14.562	2117	2121	2124	rVV3	97598	149039	3.60%	0.326%
84	14.874	2170	2174	2177	rBV2	107005	120617	2.91%	0.263%
85	15.033	2196	2201	2204	rBV	961997	1493602	36.09%	3.262%
86	15.139	2215	2219	2223	rBV	188407	209734	5.07%	0.458%
87	15.227	2230	2234	2238	rBV5	53314	109219	2.64%	0.239%
88	15.274	2238	2242	2247	rVV3	61528	126430	3.06%	0.276%
89	15.333	2247	2252	2259	rVV	629134	807413	19.51%	1.764%
90	15.398	2259	2263	2270	rVV	846033	1116019	26.97%	2.438%
91	15.457	2270	2273	2276	rVV	376634	462570	11.18%	1.010%
92	15.492	2276	2279	2284	rVB	259953	350245	8.46%	0.765%
93	15.633	2298	2303	2306	rBV2	66359	107812	2.61%	0.235%
94	15.680	2306	2311	2316	rVB4	75794	140877	3.40%	0.308%
95	16.015	2365	2368	2378	rVB3	71354	137190	3.32%	0.300%
96	16.939	2518	2525	2533	rVB	350151	725022	17.52%	1.584%
97	17.103	2548	2553	2558	rBV	67880	130863	3.16%	0.286%
98	17.168	2560	2564	2570	rVB4	57443	112417	2.72%	0.246%
99	17.392	2595	2602	2614	rVB	257738	574840	13.89%	1.256%
100	17.645	2639	2645	2657	rVB	79950	207470	5.01%	0.453%

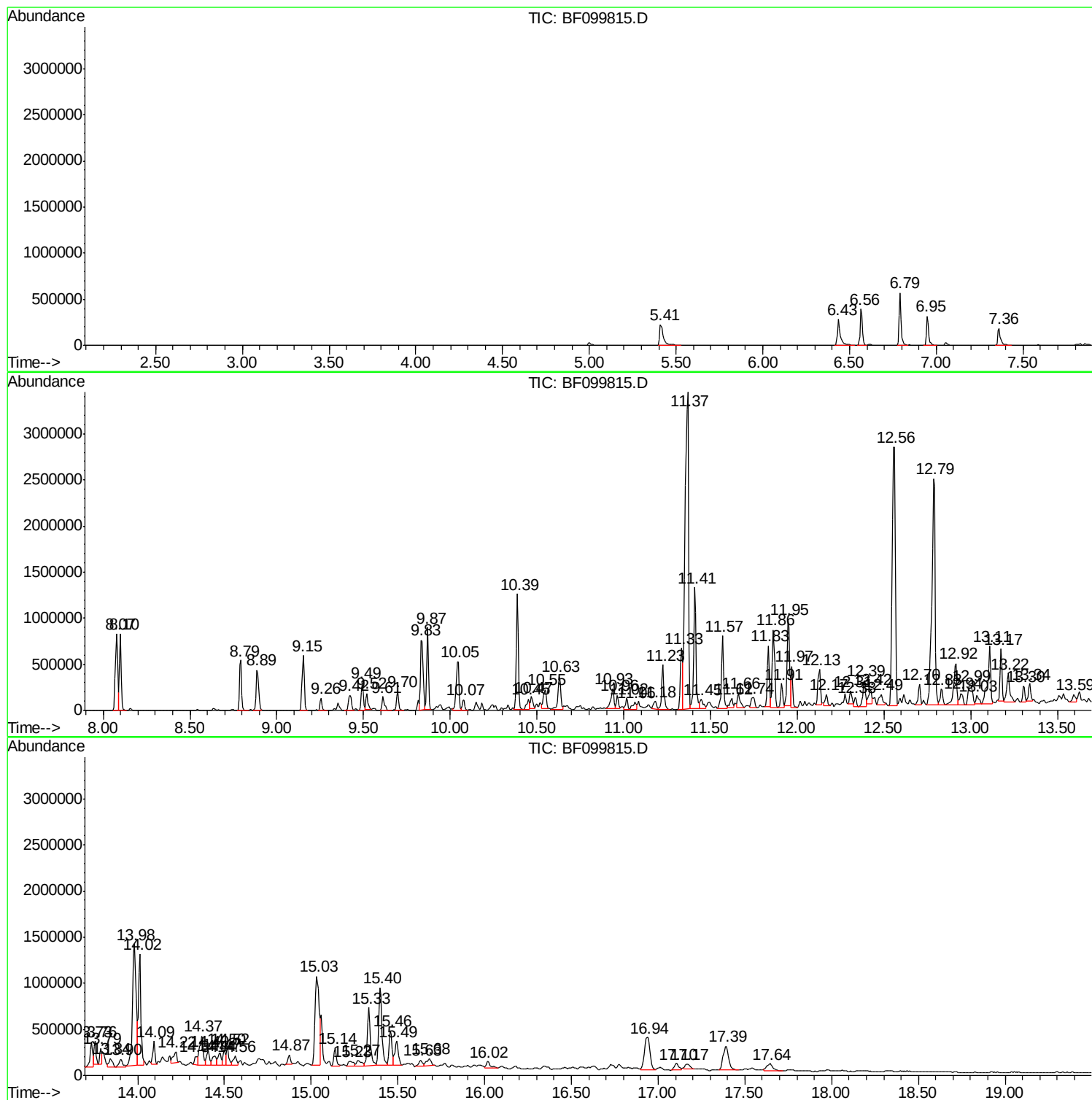
Sum of corrected areas: 45784615

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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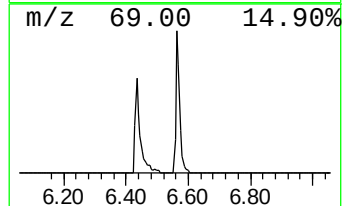
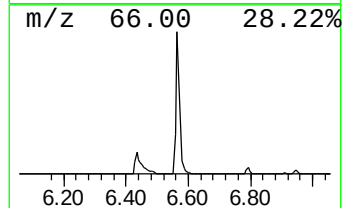
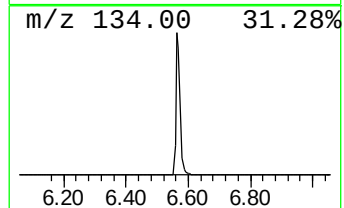
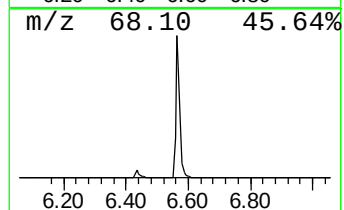
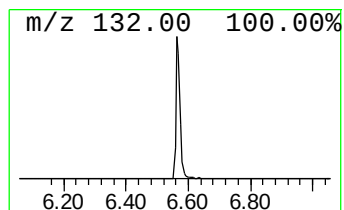
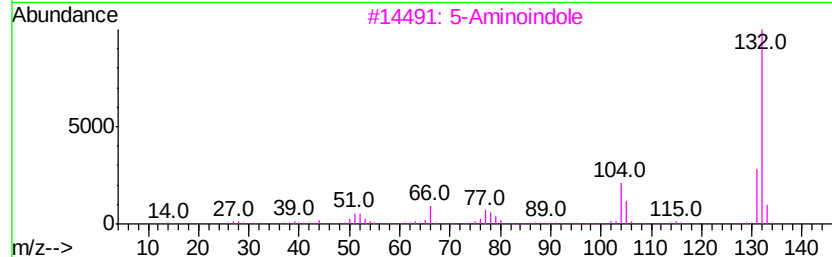
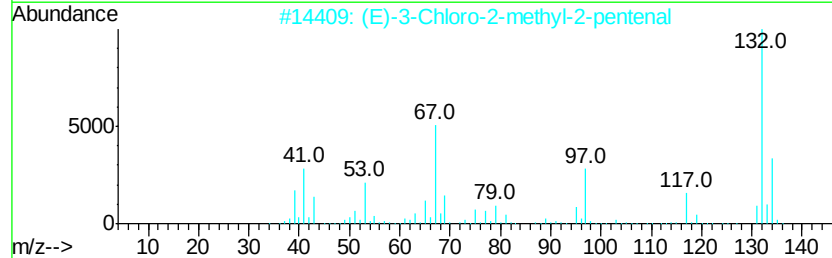
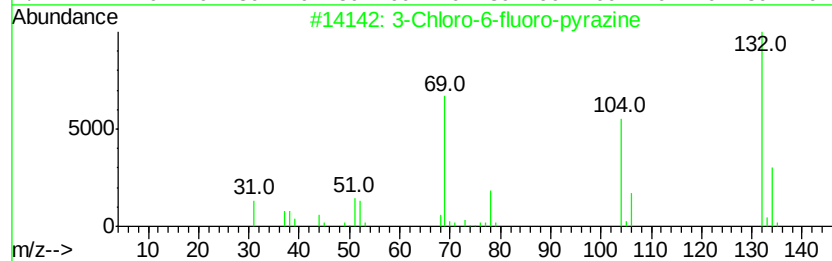
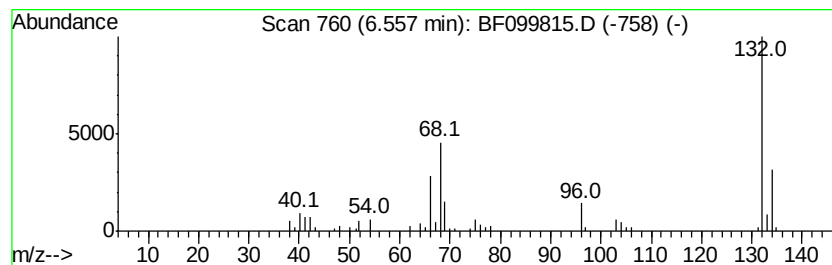
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.56 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	15.16 ng	357665	1,4-Dichlorobenzene-d4	6.79

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	25
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9



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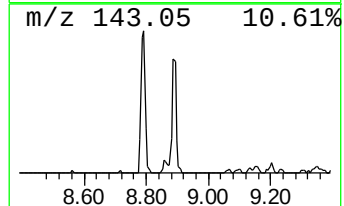
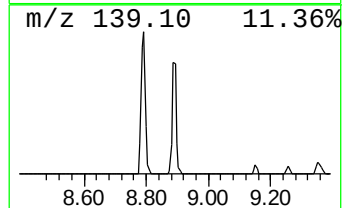
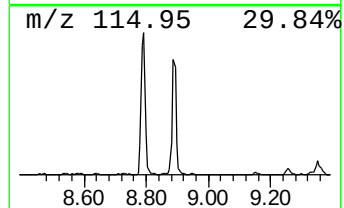
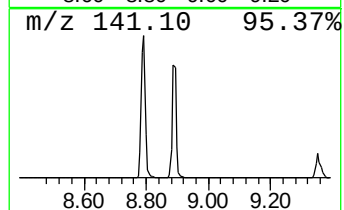
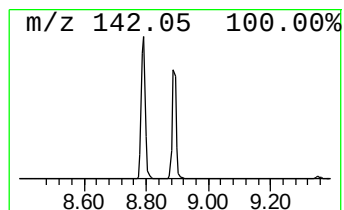
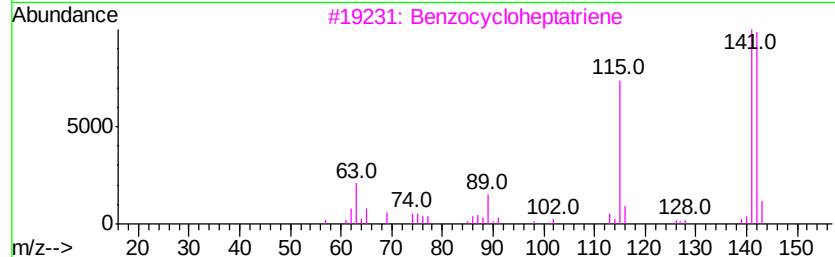
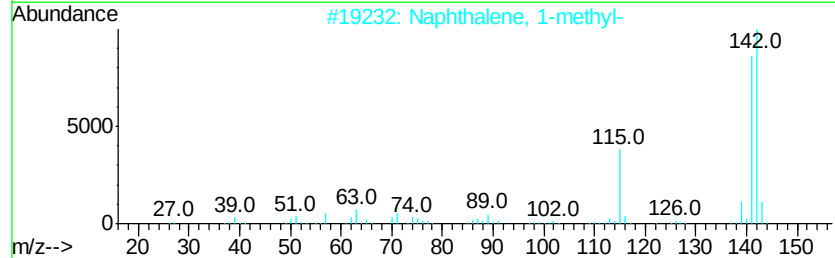
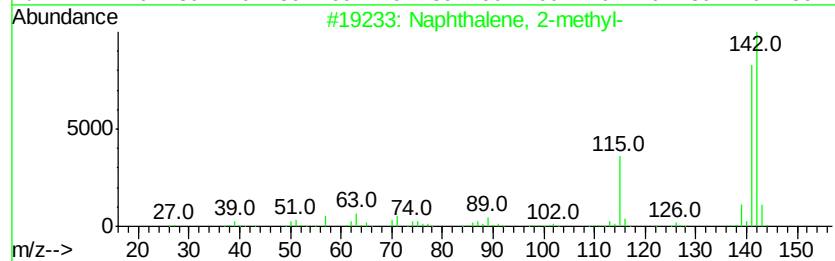
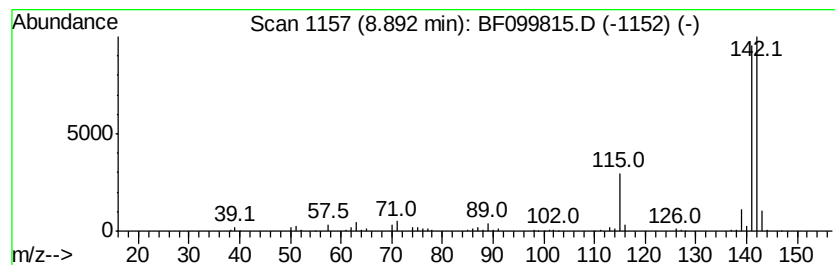
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	11.42 ng	392892	Naphthalene-d8	8.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	94
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		3-Indolecarbonitrile	142	C9H6N2	005457-28-3	46



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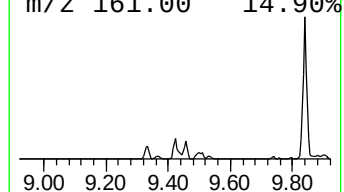
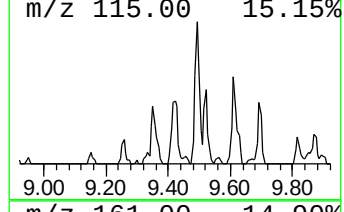
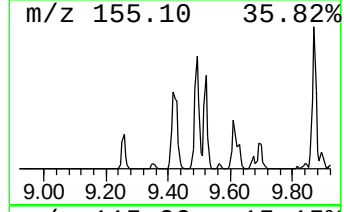
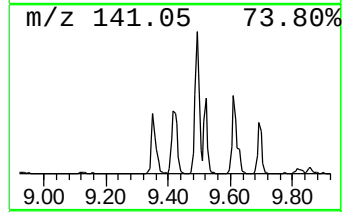
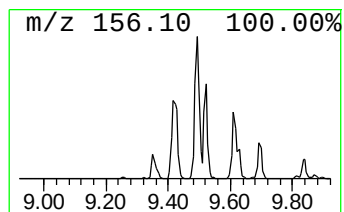
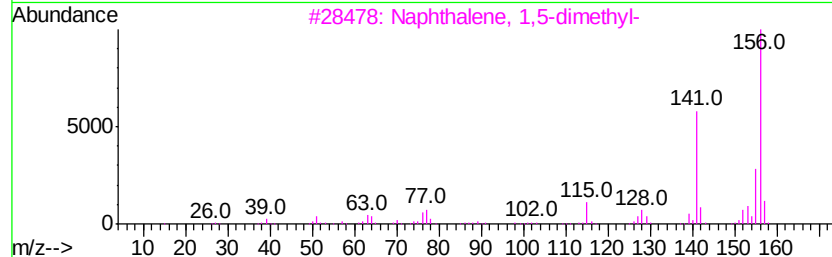
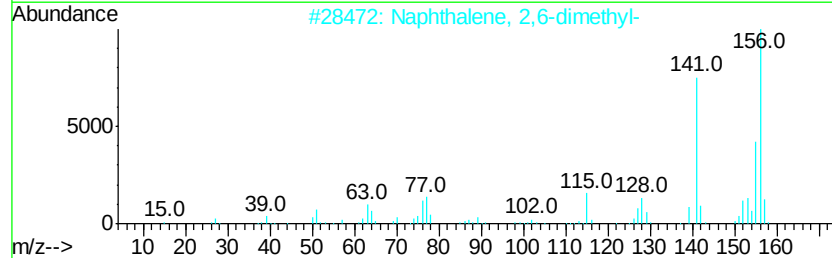
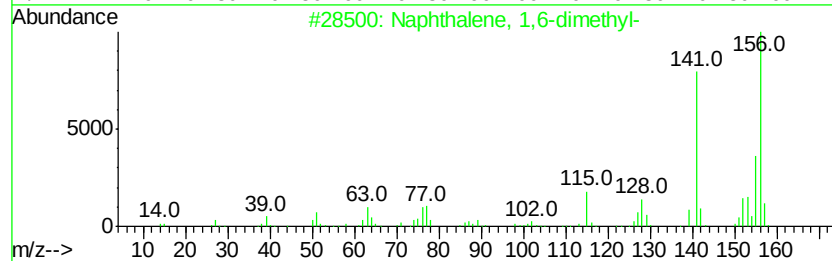
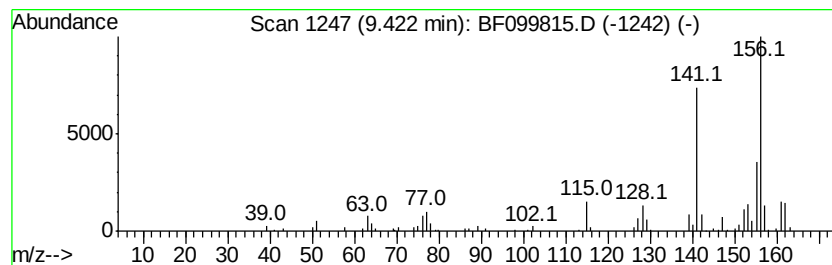
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Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.42	6.09 ng	216145	Acenaphthene-d10		9.83
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
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Acq On : 25 Oct 2017 16:05
Operator : SJ/JU
Sample : I6064-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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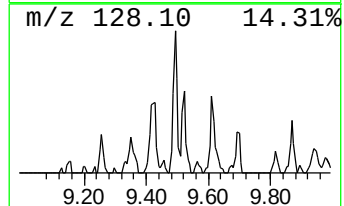
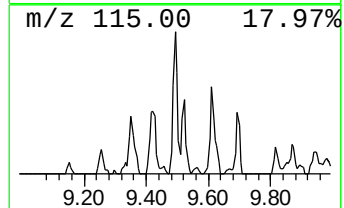
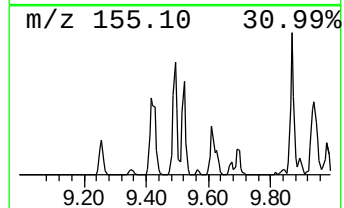
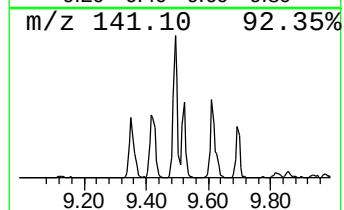
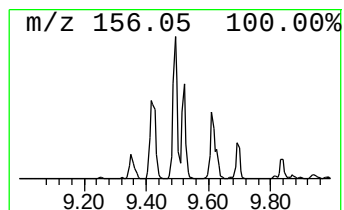
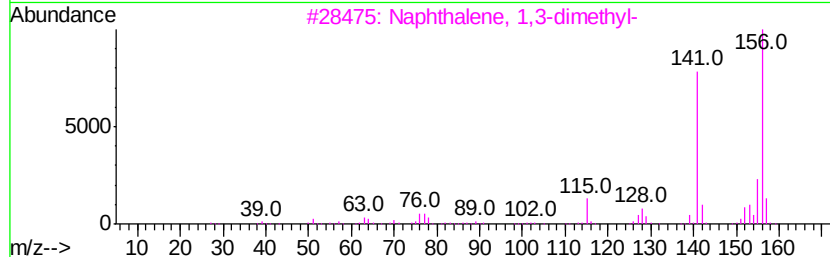
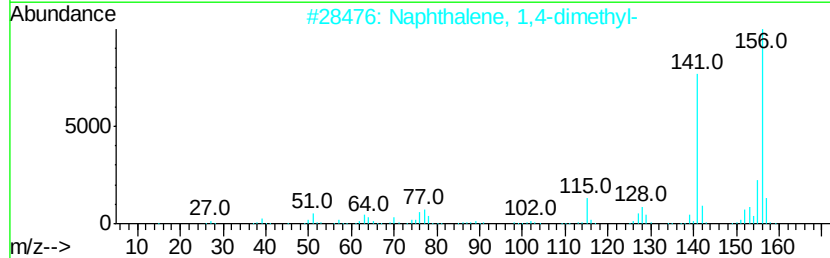
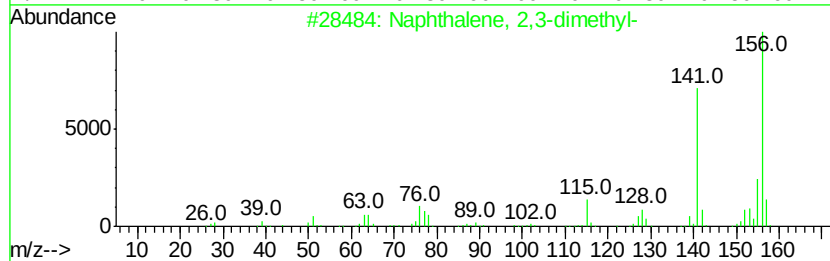
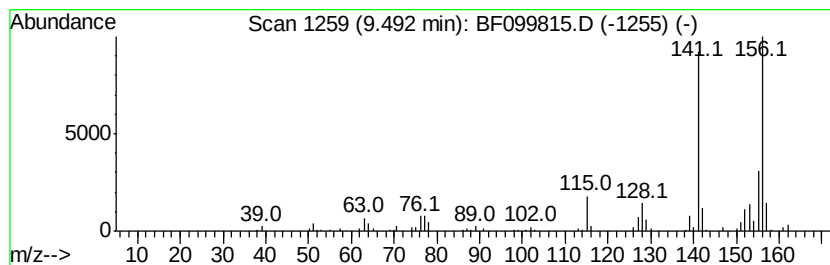
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	8.13 ng	288534	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102517\
Data File : BF099815.D
Acq On : 25 Oct 2017 16:05
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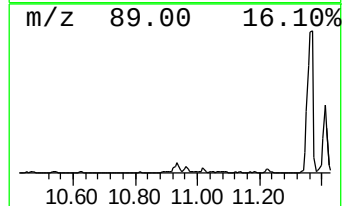
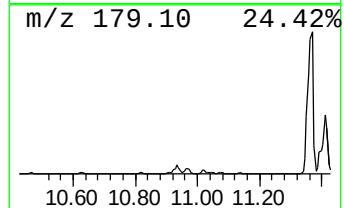
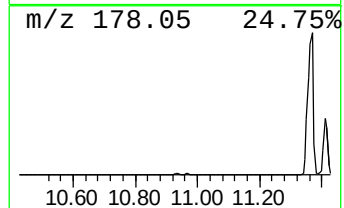
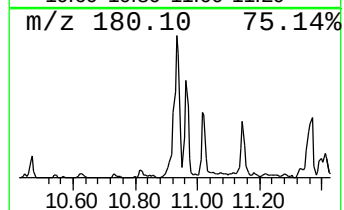
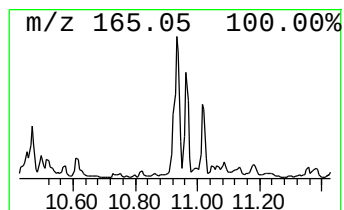
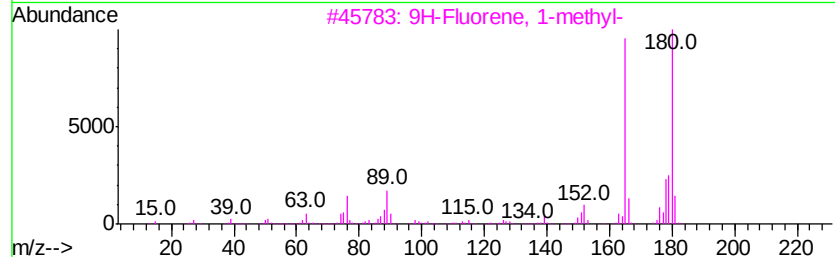
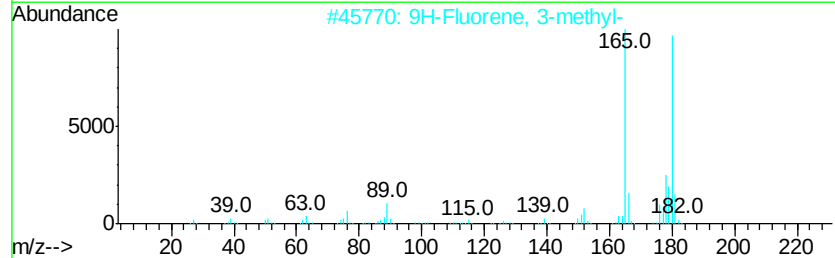
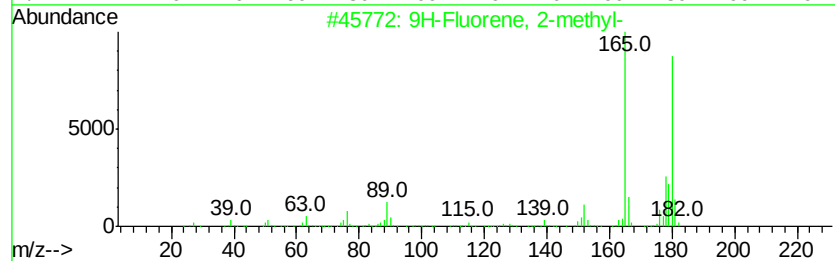
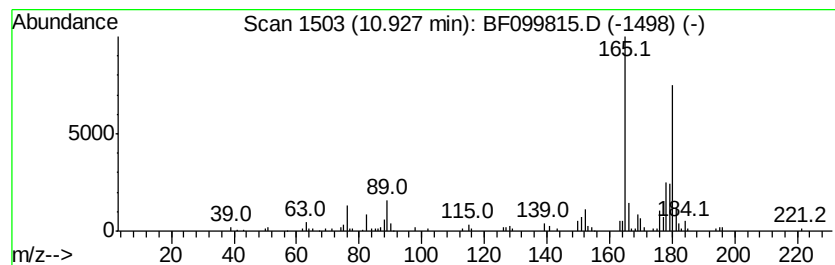
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	8.29 ng	268308	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
3		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099815.D
Acq On : 25 Oct 2017 16:05
Operator : SJ/JU
Sample : I6064-01 5X
Misc :
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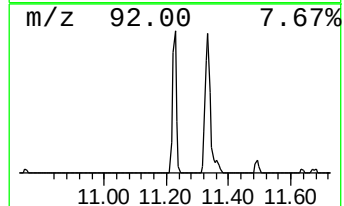
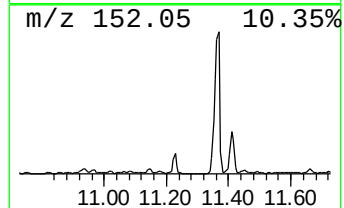
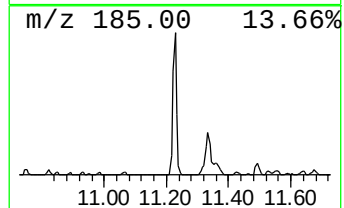
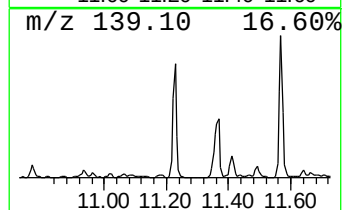
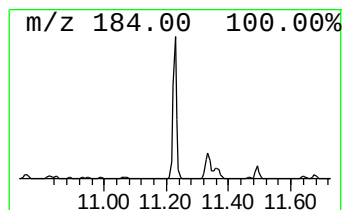
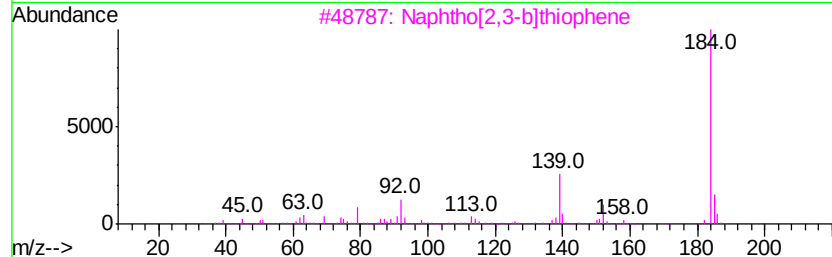
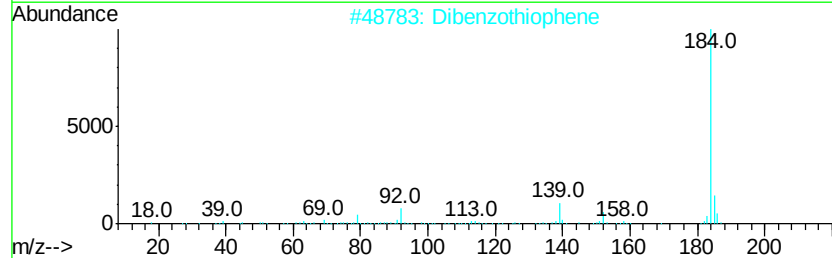
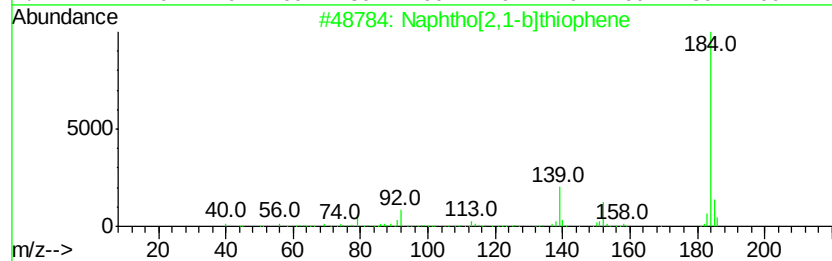
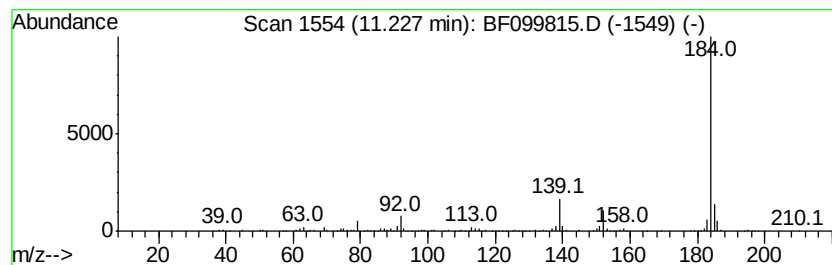
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	12.99 ng	420444	Phenanthrene-d10	11.33
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphtho[2,1-b]thiophene	184 C12H8S	000233-02-3 97
2		Dibenzothiophene	184 C12H8S	000132-65-0 97
3		Naphtho[2,3-b]thiophene	184 C12H8S	000268-77-9 95
4		Naphtho[1,2-b]thiophene	184 C12H8S	000234-41-3 95
5		Azuleno(2,1-b)thiophene	184 C12H8S	000248-13-5 91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099815.D
Acq On : 25 Oct 2017 16:05
Operator : SJ/JU
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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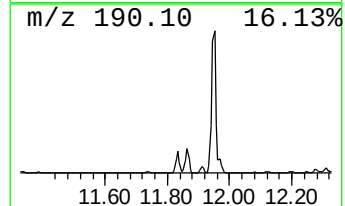
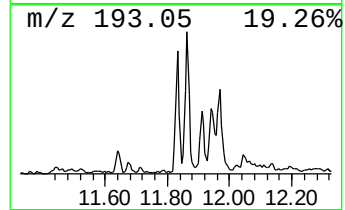
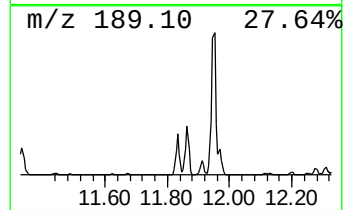
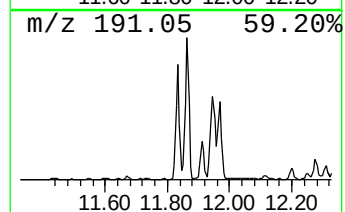
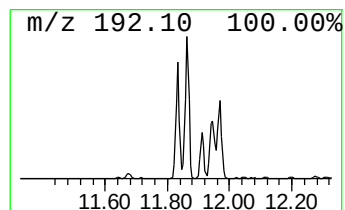
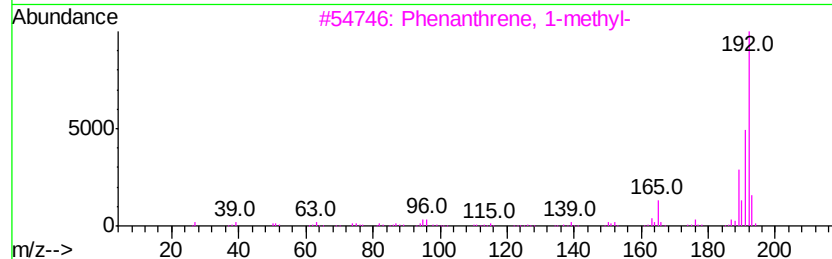
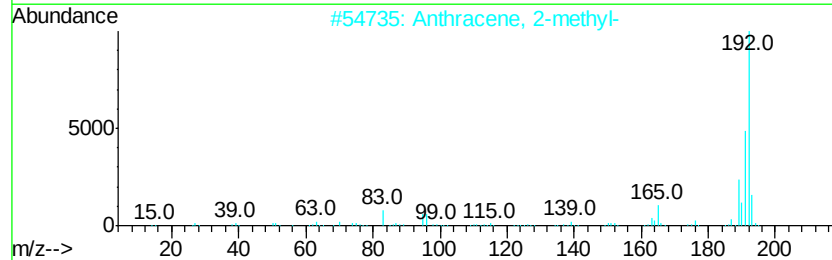
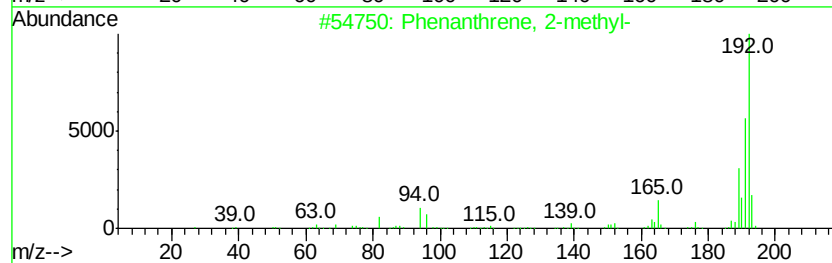
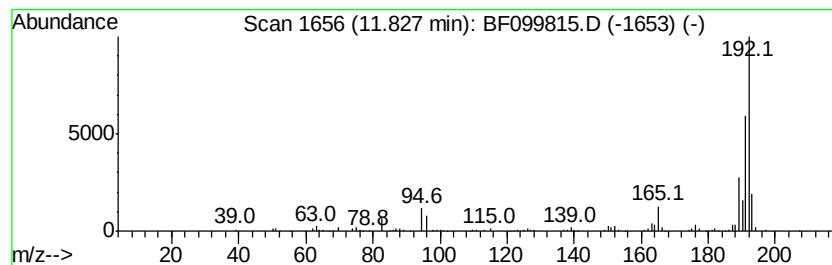
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	17.81 ng	576324	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099815.D
Acq On : 25 Oct 2017 16:05
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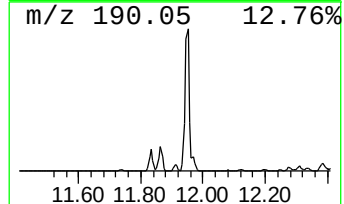
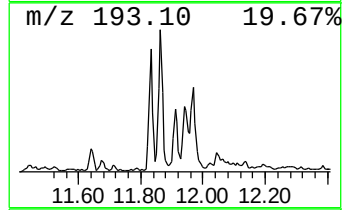
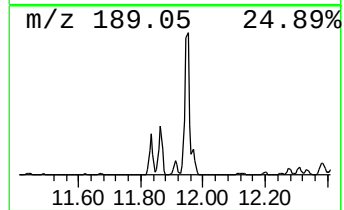
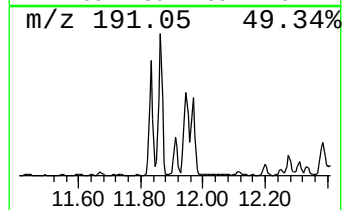
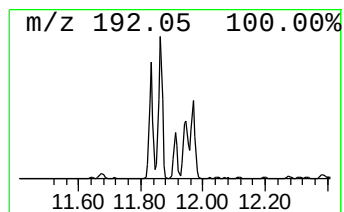
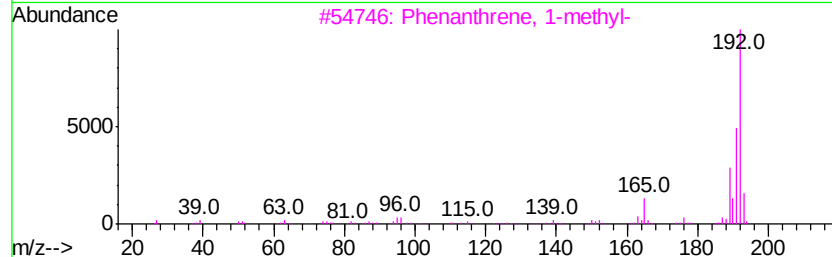
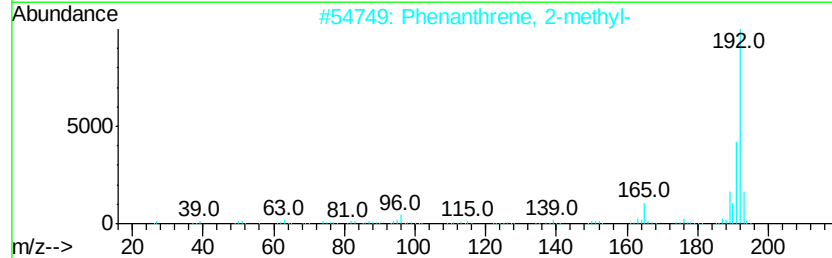
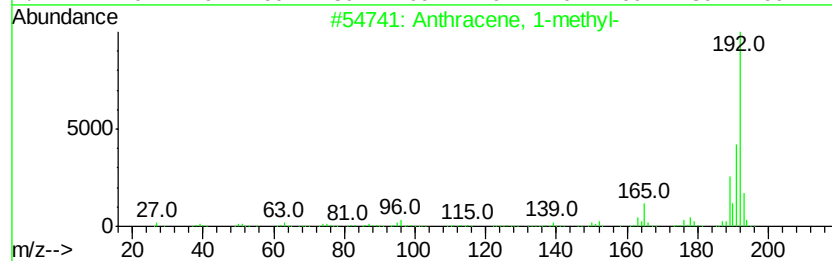
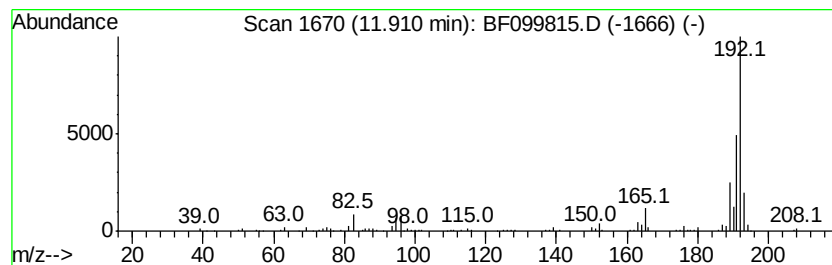
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	7.17 ng	232041	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
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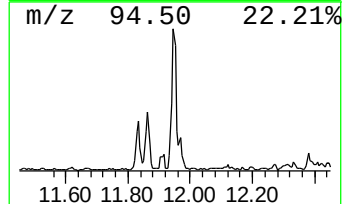
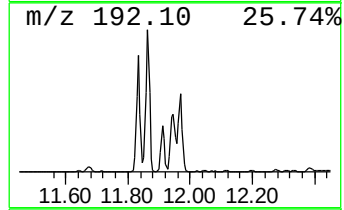
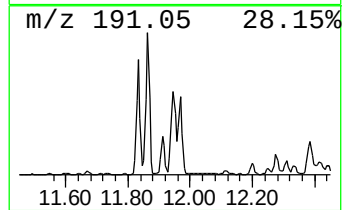
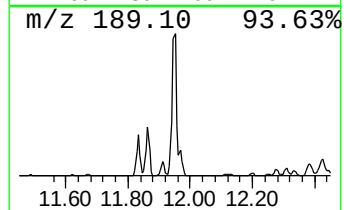
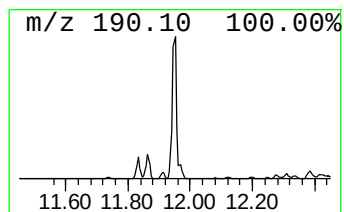
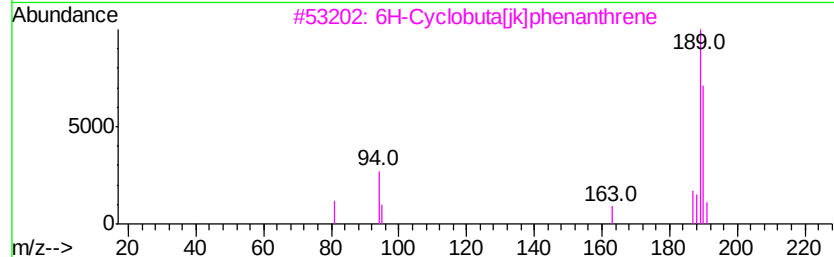
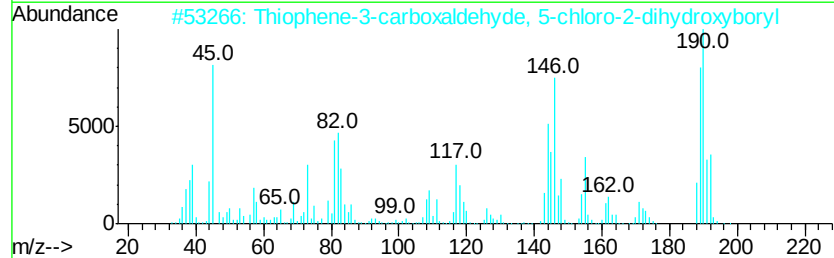
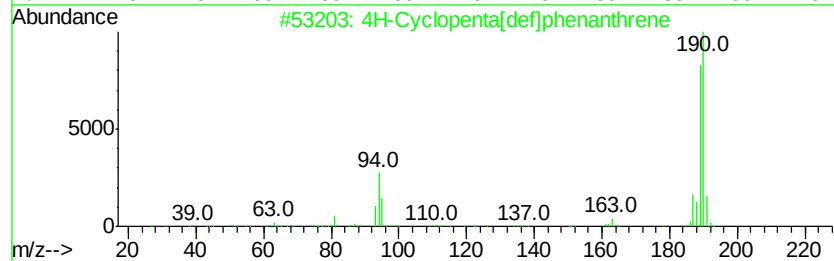
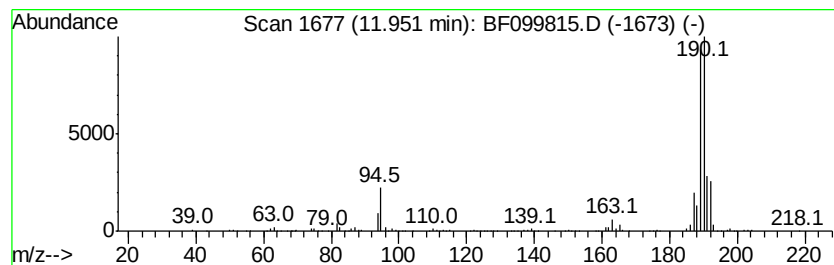
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.95	33.10 ng	1071410	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	33



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102517\
Data File : BF099815.D
Acq On : 25 Oct 2017 16:05
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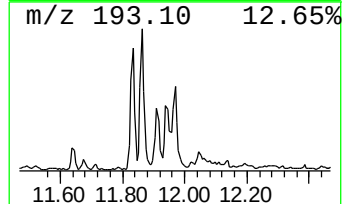
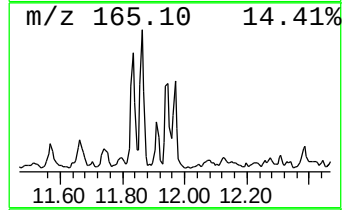
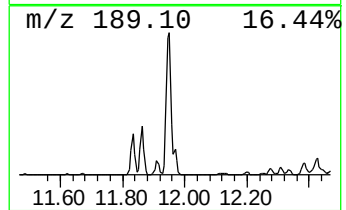
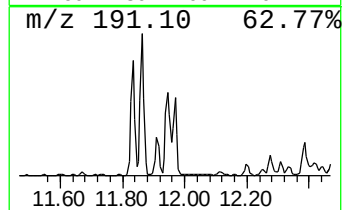
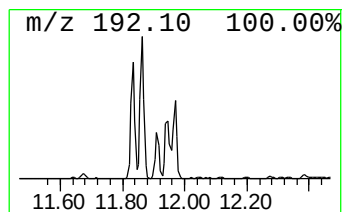
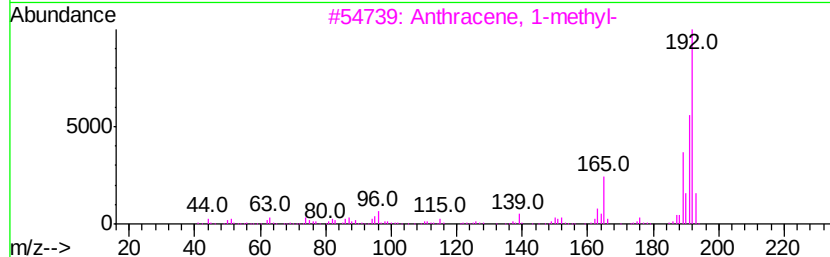
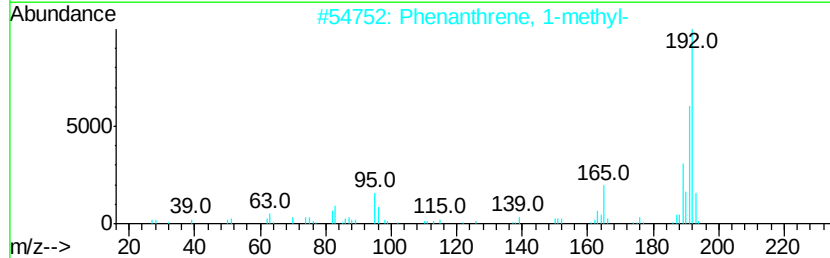
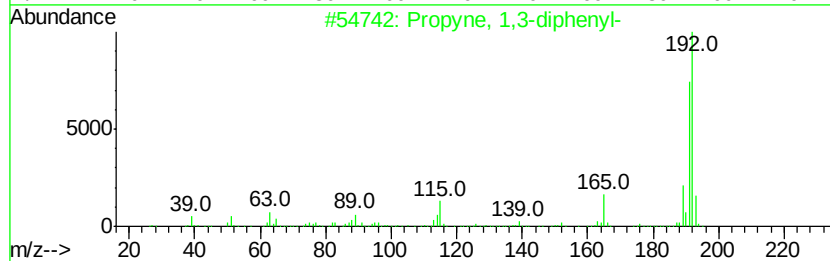
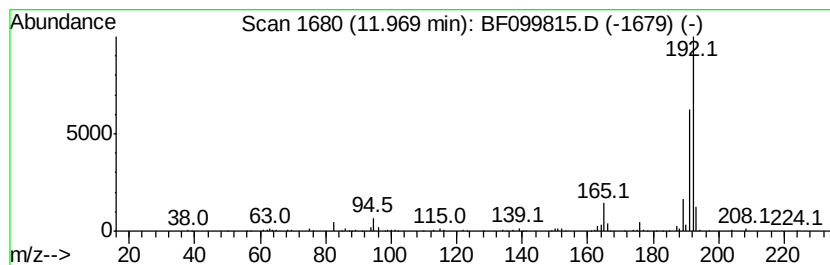
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Propyne, 1,3-diphenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	8.01 ng	259159	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	83
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102517\
Data File : BF099815.D
Acq On : 25 Oct 2017 16:05
Operator : SJ/JU
Sample : I6064-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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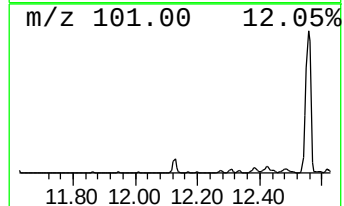
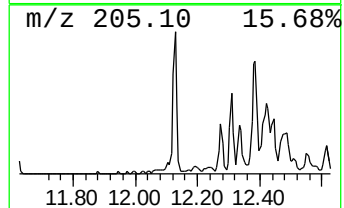
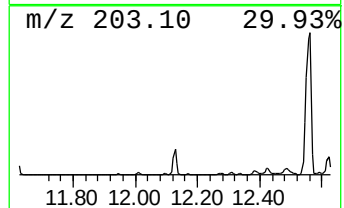
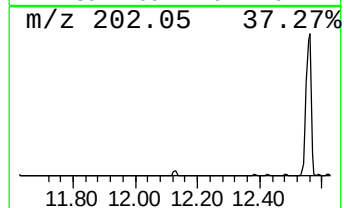
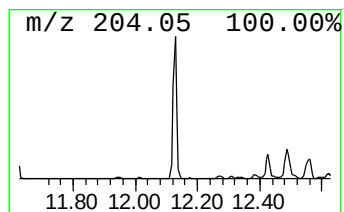
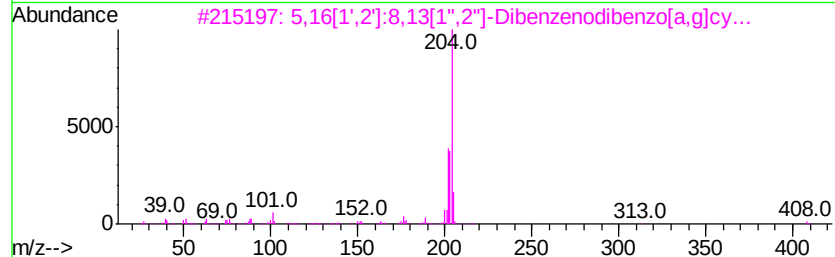
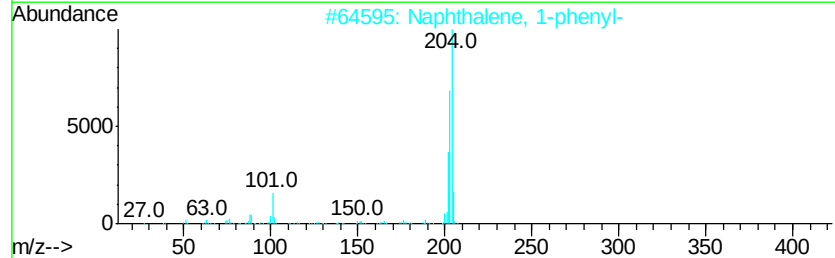
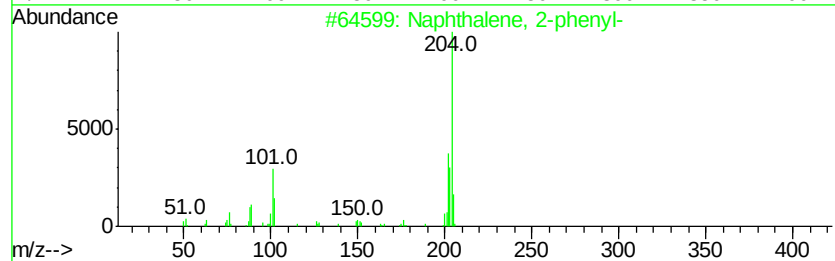
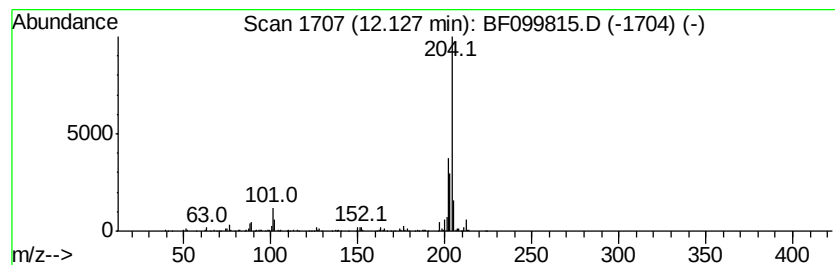
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	9.71 ng	314171	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
3		5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52



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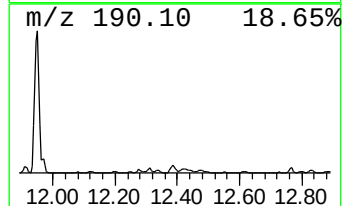
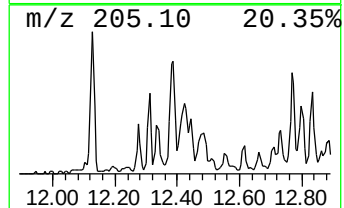
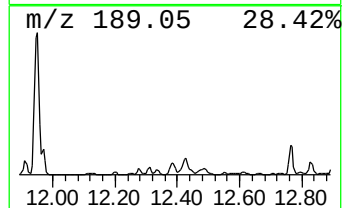
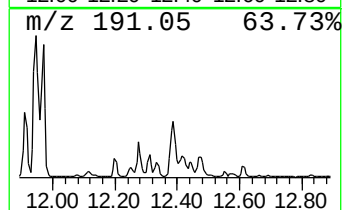
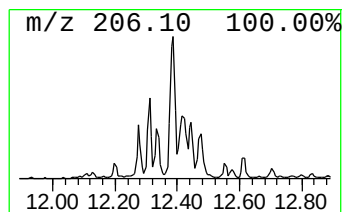
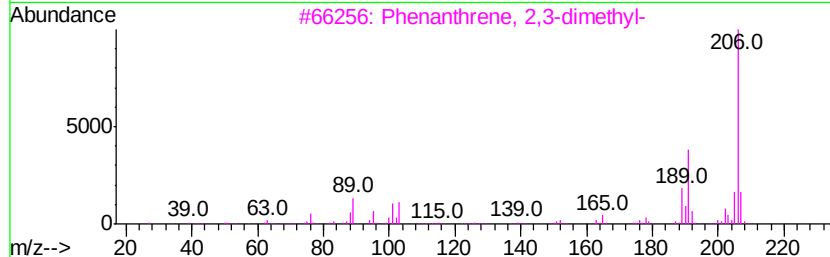
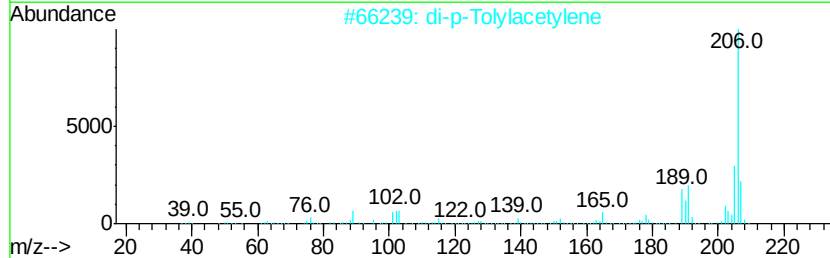
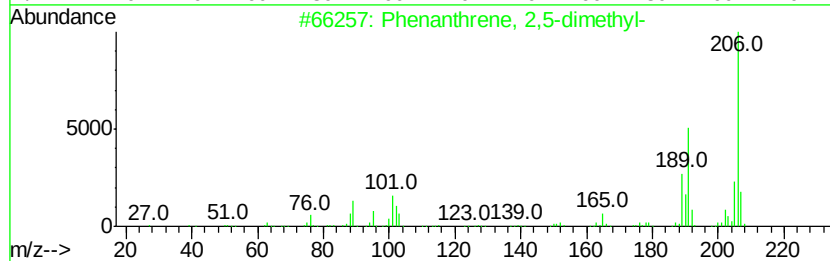
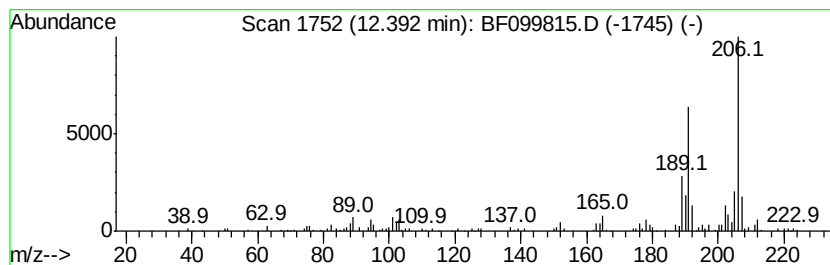
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	10.08 ng	326387	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	91



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ALS Vial : 8 Sample Multiplier: 1

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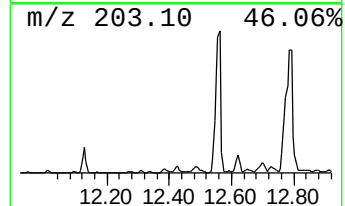
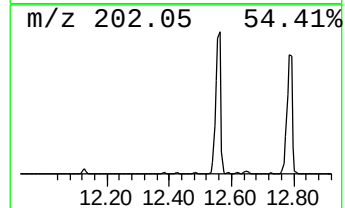
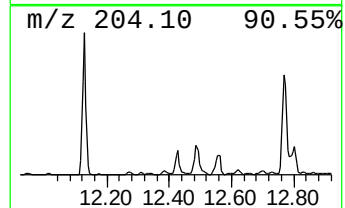
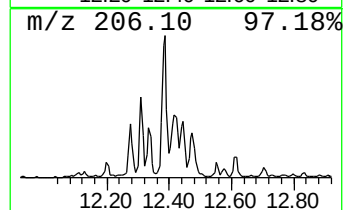
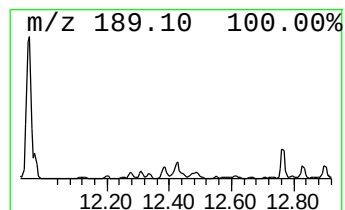
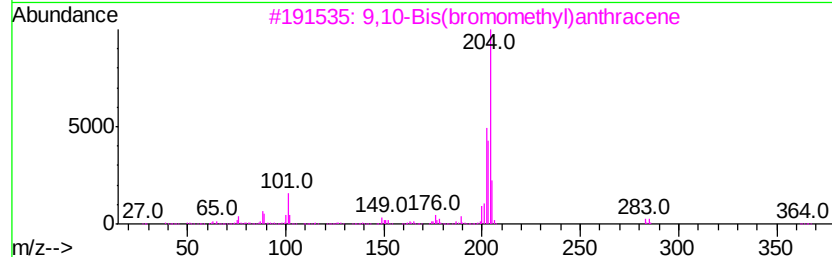
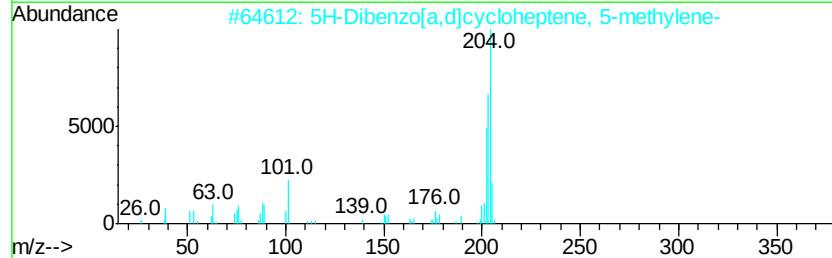
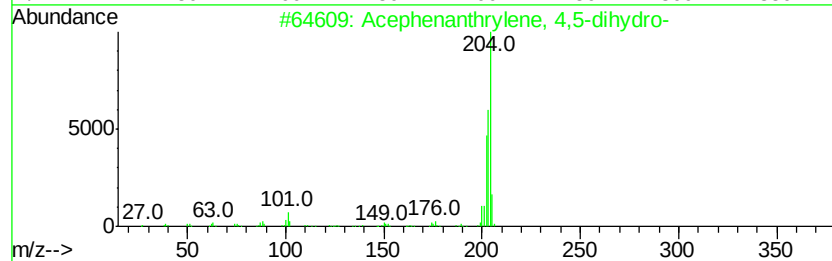
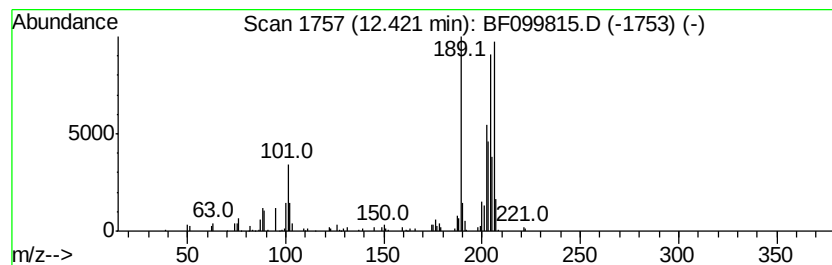
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.42 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	6.53 ng	211242	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	49
2		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	30



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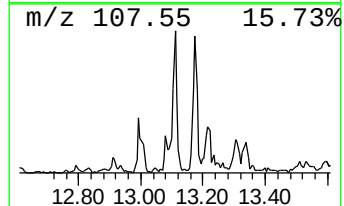
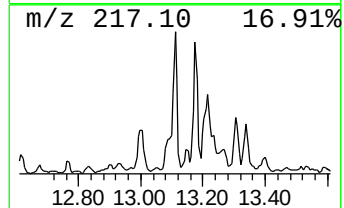
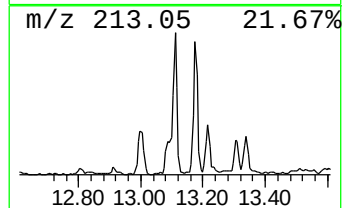
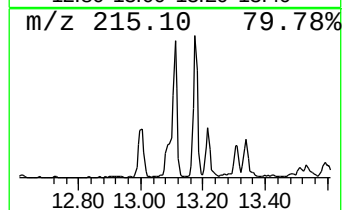
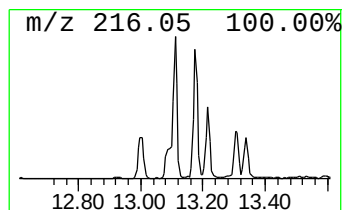
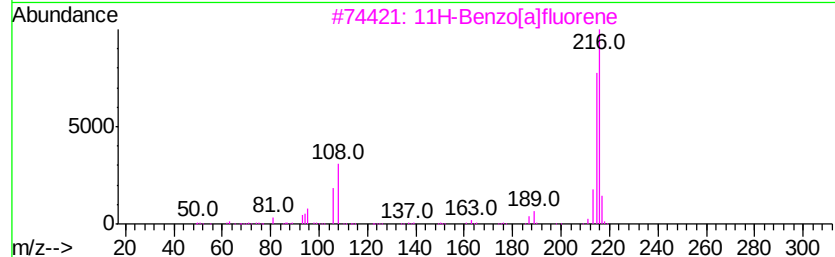
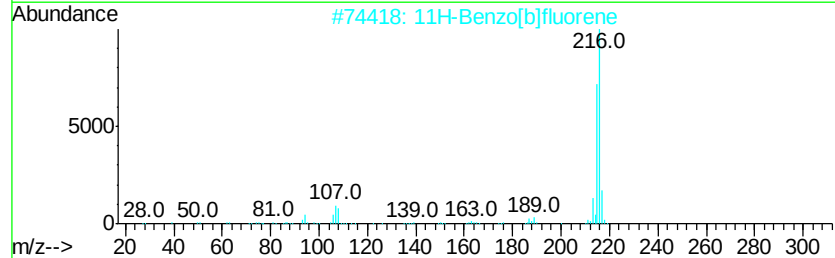
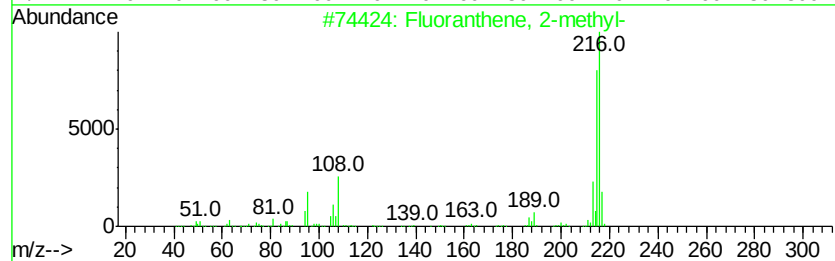
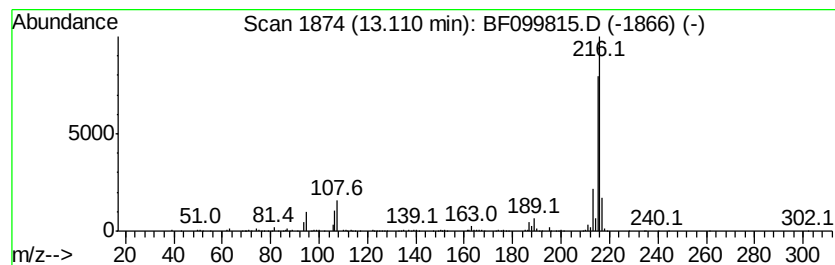
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	7.68 ng	797906	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
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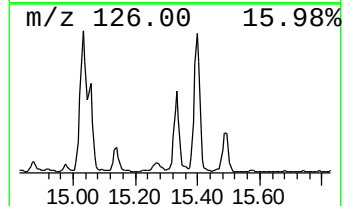
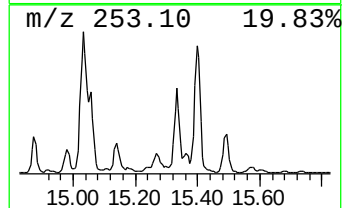
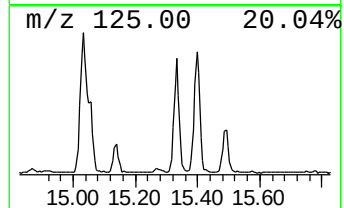
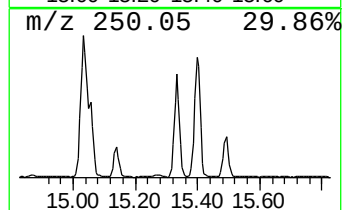
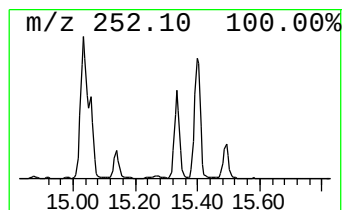
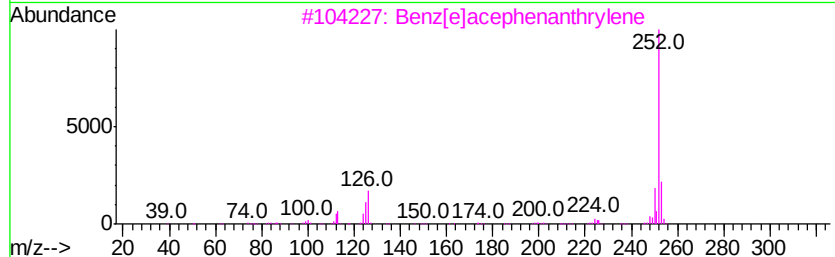
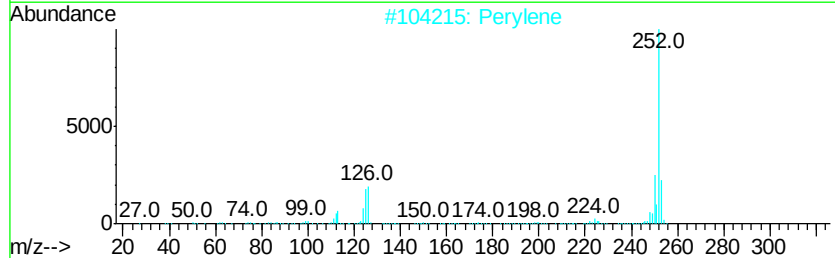
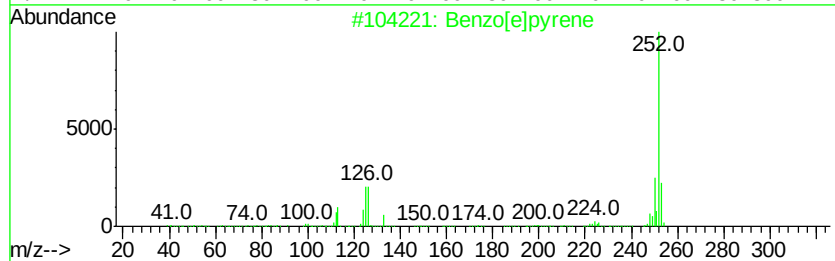
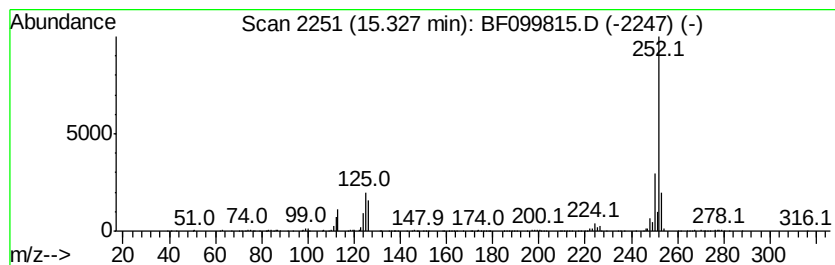
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	34.91 ng	807413	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Perylene	252	C20H12	000198-55-0	98
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5		Benzo[a]pyrene	252	C20H12	000050-32-8	90



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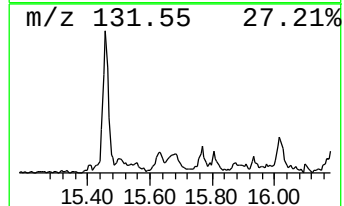
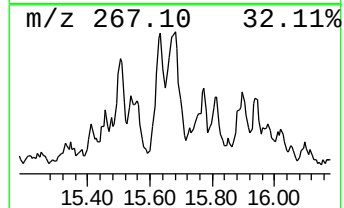
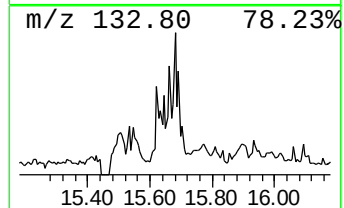
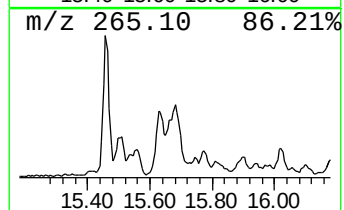
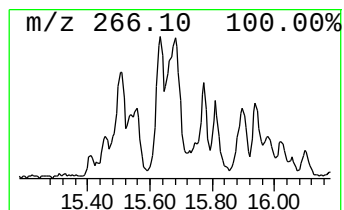
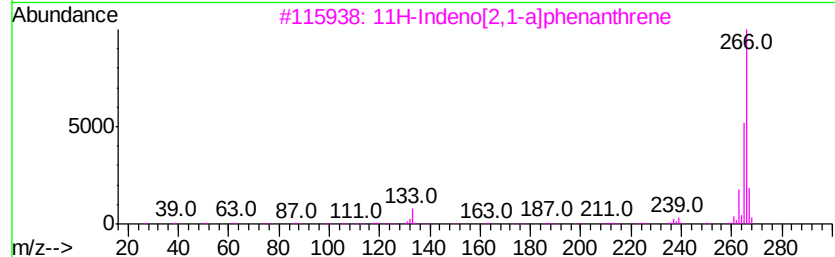
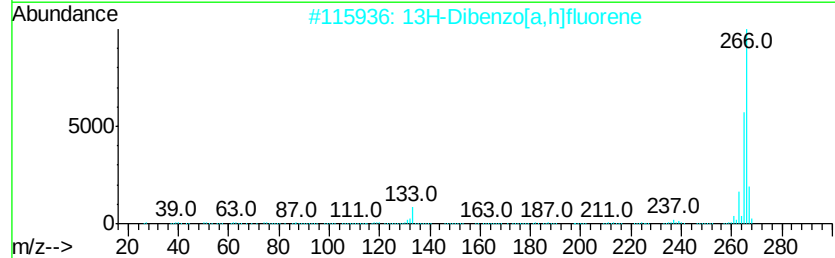
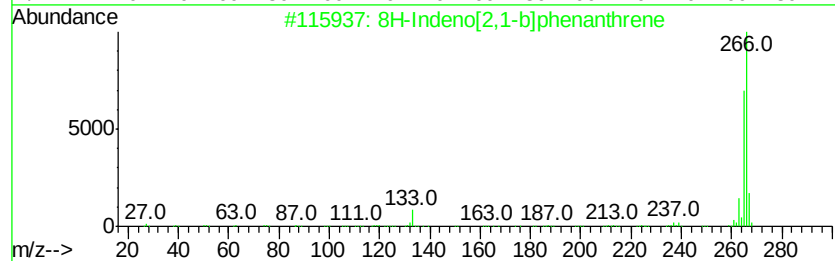
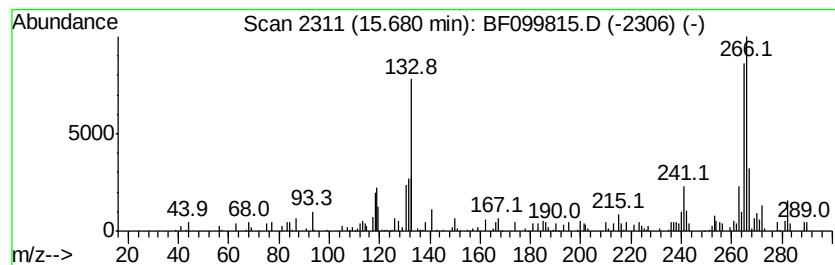
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 8H-Indeno[2,1-b]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	6.09 ng	140877	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	81
2		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	68
3		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	50
4		4,6-Dimethyl-4'-hydroxy-2-benzyl...	266	C17H14O3	002567-73-9	43
5		Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	43



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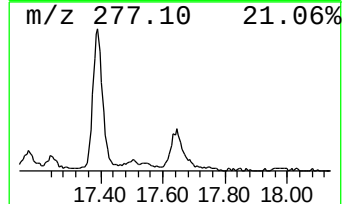
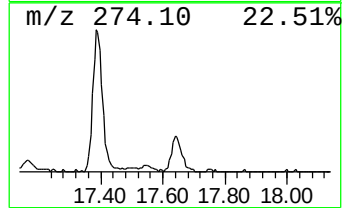
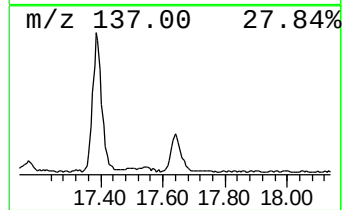
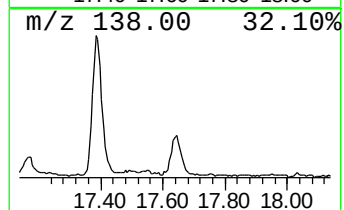
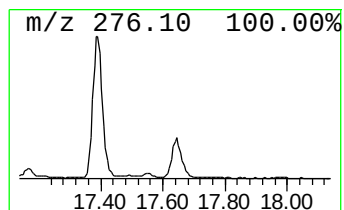
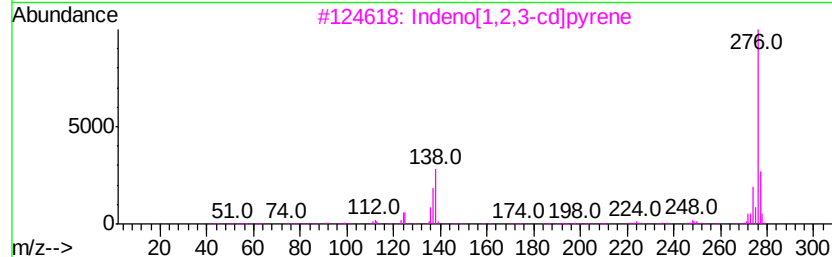
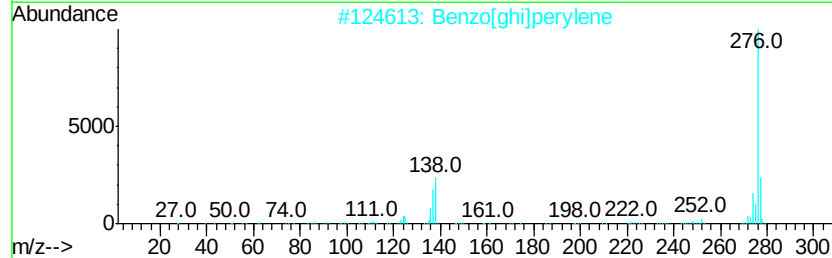
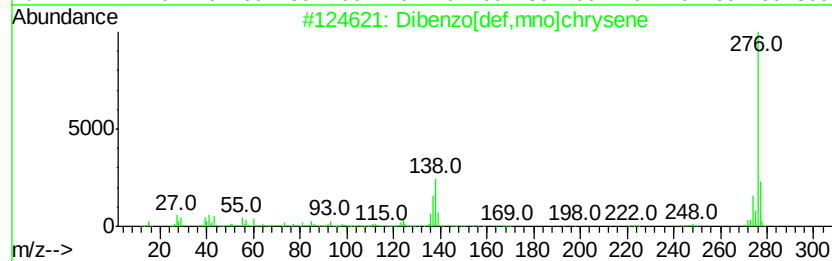
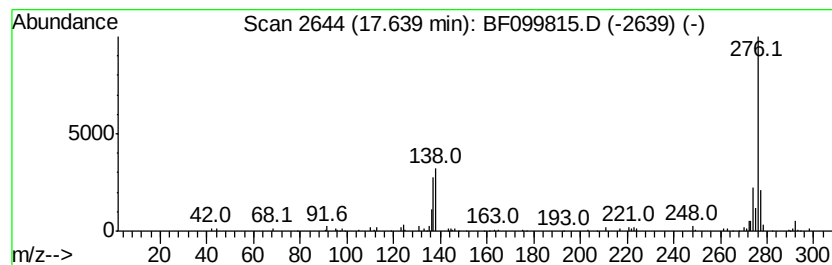
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	8.97 ng	207470	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	91
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	87
5		1H-Cyclopenta[4,5]pyrido[1,2-a]b...	276	C17H16N4	329707-31-5	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102517\
 Data File : BF099815.D
 Acq On : 25 Oct 2017 16:05
 Operator : SJ/JU
 Sample : I6064-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-4248-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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
unknown6.56	6.56	15.2	ng	357665	1	6.79	471906	20.0
Naphthalene, 1-me...	8.89	11.4	ng	392892	2	8.07	687984	20.0
Naphthalene, 1,6-...	9.42	6.1	ng	216145	3	9.83	709780	20.0
Naphthalene, 2,3-...	9.49	8.1	ng	288534	3	9.83	709780	20.0
9H-Fluorene, 2-me...	10.93	8.3	ng	268308	4	11.33	647290	20.0
Naphtho[2,1-b]thi...	11.23	13.0	ng	420444	4	11.33	647290	20.0
Phenanthrene, 2-m...	11.83	17.8	ng	576324	4	11.33	647290	20.0
Anthracene, 1-met...	11.91	7.2	ng	232041	4	11.33	647290	20.0
4H-Cyclopenta[def...	11.95	33.1	ng	1071410	4	11.33	647290	20.0
Propyne, 1,3-diph...	11.97	8.0	ng	259159	4	11.33	647290	20.0
Naphthalene, 2-ph...	12.13	9.7	ng	314171	4	11.33	647290	20.0
Phenanthrene, 2,5...	12.39	10.1	ng	326387	4	11.33	647290	20.0
unknown12.42	12.42	6.5	ng	211242	4	11.33	647290	20.0
Fluoranthene, 2-m...	13.11	7.7	ng	797906	5	13.99	2078050	20.0
Benzo[e]pyrene	15.33	34.9	ng	807413	6	15.46	462570	20.0
8H-Indeno[2,1-b]p...	15.68	6.1	ng	140877	6	15.46	462570	20.0
Dibenzo[def,mno]c...	17.64	9.0	ng	207470	6	15.46	462570	20.0