

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099323.D
 Acq On : 11 Oct 2017 2:05
 Operator : SJ/JU
 Sample : I5748-04 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-100617-B

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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	5.075	505	508	520	rBV	57828	61313	3.77%	0.258%
2	5.475	573	576	589	rBV	456825	443219	27.28%	1.866%
3	6.487	746	748	757	rVB	475363	422937	26.03%	1.781%
4	6.634	769	773	776	rBV	520275	471618	29.03%	1.986%
5	6.687	779	782	789	rVB2	58272	52633	3.24%	0.222%
6	6.863	809	812	816	rBV	659108	510011	31.39%	2.147%
7	7.016	835	838	841	rBV	423936	353290	21.74%	1.488%
8	7.122	852	856	863	rBV	59743	56673	3.49%	0.239%
9	7.422	904	907	911	rBV	299581	247448	15.23%	1.042%
10	8.145	1027	1030	1032	rBV	814429	644796	39.68%	2.715%
11	8.169	1032	1034	1037	rVB	332529	259125	15.95%	1.091%
12	8.857	1148	1151	1154	rBV	282996	214361	13.19%	0.903%
13	8.957	1163	1168	1171	rBV	241807	191434	11.78%	0.806%
14	9.216	1209	1212	1217	rBV	596224	452902	27.87%	1.907%
15	9.486	1253	1258	1261	rBV	83297	107292	6.60%	0.452%
16	9.557	1266	1270	1272	rVV	139052	134034	8.25%	0.564%
17	9.581	1272	1274	1277	rVV	78154	76606	4.71%	0.323%
18	9.610	1277	1279	1286	rVB2	71762	83557	5.14%	0.352%
19	9.675	1286	1290	1298	rBV	68412	73940	4.55%	0.311%
20	9.763	1301	1305	1310	rVV	242370	209916	12.92%	0.884%
21	9.898	1325	1328	1331	rVV	647481	548554	33.76%	2.310%
22	9.933	1331	1334	1337	rVB	227065	184520	11.36%	0.777%
23	10.104	1359	1363	1366	rVV	223145	195650	12.04%	0.824%
24	10.139	1366	1369	1372	rVB	47362	39063	2.40%	0.164%
25	10.210	1378	1381	1384	rBV2	43290	45488	2.80%	0.192%
26	10.304	1392	1397	1398	rBV2	28282	35748	2.20%	0.151%
27	10.445	1418	1421	1427	rVB	408973	382141	23.52%	1.609%
28	10.510	1427	1432	1434	rBV2	27996	41605	2.56%	0.175%
29	10.604	1445	1448	1451	rVV	55600	47263	2.91%	0.199%
30	10.686	1455	1462	1466	rBV2	285597	285986	17.60%	1.204%
31	10.992	1507	1514	1517	rBV2	75394	99821	6.14%	0.420%
32	11.022	1517	1519	1522	rVV	50217	43944	2.70%	0.185%
33	11.080	1526	1529	1531	rVV	42930	40130	2.47%	0.169%
34	11.122	1531	1536	1538	rVV2	29553	41454	2.55%	0.175%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.145	1538	1540	1546	rVV2	36353	46789	2.88%	0.197%
36	11.239	1552	1556	1559	rVV3	37254	47851	2.94%	0.201%
37	11.286	1559	1564	1569	rVB	115414	116203	7.15%	0.489%
38	11.386	1578	1581	1583	rBV	601757	552105	33.98%	2.325%
39	11.416	1583	1586	1589	rVV	1553930	1309378	80.58%	5.513%
40	11.463	1591	1594	1597	rVV	507730	418165	25.74%	1.761%
41	11.498	1597	1600	1603	rVV2	60697	71481	4.40%	0.301%
42	11.545	1605	1608	1614	rVV3	22332	38225	2.35%	0.161%
43	11.622	1617	1621	1626	rVV	162468	176115	10.84%	0.742%
44	11.680	1626	1631	1635	rVV3	43009	65128	4.01%	0.274%
45	11.716	1635	1637	1642	rVV2	49726	57522	3.54%	0.242%
46	11.798	1648	1651	1656	rVB	32113	37795	2.33%	0.159%
47	11.886	1661	1666	1669	rBV	211023	193912	11.93%	0.816%
48	11.916	1669	1671	1675	rVB	270131	221236	13.62%	0.931%
49	11.963	1675	1679	1682	rBV	120600	108369	6.67%	0.456%
50	12.004	1682	1686	1688	rVV2	385478	402820	24.79%	1.696%
51	12.022	1688	1689	1694	rVB	146670	107935	6.64%	0.454%
52	12.180	1713	1716	1719	rVV	134600	122174	7.52%	0.514%
53	12.216	1719	1722	1726	rVB2	41547	45005	2.77%	0.189%
54	12.363	1744	1747	1749	rBV	52531	39996	2.46%	0.168%
55	12.386	1749	1751	1754	rVB	47011	37709	2.32%	0.159%
56	12.439	1756	1760	1762	rBV	126306	138204	8.51%	0.582%
57	12.474	1762	1766	1768	rVV3	126109	138940	8.55%	0.585%
58	12.527	1772	1775	1779	rBV4	68685	99539	6.13%	0.419%
59	12.604	1784	1788	1791	rBV	1651782	1461418	89.94%	6.153%
60	12.639	1791	1794	1796	rBV3	45046	40055	2.47%	0.169%
61	12.663	1796	1798	1801	rVB2	49458	40153	2.47%	0.169%
62	12.698	1801	1804	1807	rBV	99056	76964	4.74%	0.324%
63	12.757	1807	1814	1816	rBV2	67118	100542	6.19%	0.423%
64	12.833	1820	1827	1833	rBV	1373344	1624860	100.00%	6.841%
65	12.880	1833	1835	1839	rVB2	81502	83385	5.13%	0.351%
66	12.969	1843	1850	1852	rBV2	487936	501603	30.87%	2.112%
67	12.992	1852	1854	1857	rVB2	76012	69025	4.25%	0.291%
68	13.045	1859	1863	1867	rBV3	126964	207791	12.79%	0.875%
69	13.133	1875	1878	1879	rBV3	110841	112163	6.90%	0.472%
70	13.157	1879	1882	1885	rVB	309289	332832	20.48%	1.401%
71	13.221	1891	1893	1896	rVB	278516	243197	14.97%	1.024%

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72	13.263	1896	1900	1903	rBV2	175418	195005	12.00%	0.821%
73	13.321	1907	1910	1913	rBV3	30670	36998	2.28%	0.156%
74	13.357	1913	1916	1919	rBV	109891	95945	5.90%	0.404%
75	13.386	1919	1921	1924	rBV	116689	101494	6.25%	0.427%
76	13.533	1944	1946	1948	rBV2	37118	38301	2.36%	0.161%
77	13.580	1952	1954	1957	rVV	61359	62762	3.86%	0.264%
78	13.639	1961	1964	1967	rBV2	66819	87197	5.37%	0.367%
79	13.668	1967	1969	1973	rVB3	78112	88423	5.44%	0.372%
80	13.780	1985	1988	1990	rBV	112693	88266	5.43%	0.372%
81	13.804	1990	1992	1995	rVV	110061	87397	5.38%	0.368%
82	13.833	1995	1997	2003	rVV3	98283	131527	8.09%	0.554%
83	14.027	2022	2030	2033	rBV2	962247	1509647	92.91%	6.356%
84	14.057	2033	2035	2042	rVB	707568	636284	39.16%	2.679%
85	14.139	2046	2049	2052	rBV	135423	120319	7.40%	0.507%
86	14.174	2053	2055	2059	rBV3	67637	73683	4.53%	0.310%
87	14.257	2065	2069	2072	rBV2	59886	90910	5.59%	0.383%
88	14.374	2087	2089	2091	rBV2	52007	50940	3.14%	0.214%
89	14.415	2094	2096	2099	rVV	160272	135962	8.37%	0.572%
90	14.451	2099	2102	2105	rVB	69474	64687	3.98%	0.272%
91	14.539	2115	2117	2119	rBV	75254	62450	3.84%	0.263%
92	14.563	2119	2121	2125	rVB2	113866	92882	5.72%	0.391%
93	15.080	2204	2209	2212	rBV	521188	844400	51.97%	3.555%
94	15.186	2224	2227	2234	rBV	120178	156292	9.62%	0.658%
95	15.386	2257	2261	2267	rVB	302057	392078	24.13%	1.651%
96	15.451	2267	2272	2277	rBV	490031	628553	38.68%	2.646%
97	15.510	2278	2282	2285	rVV	345504	450534	27.73%	1.897%
98	15.539	2285	2287	2294	rVB2	139289	204024	12.56%	0.859%
99	16.998	2530	2535	2545	rVB	183511	369195	22.72%	1.554%
100	17.456	2608	2613	2621	rVB	133591	269357	16.58%	1.134%

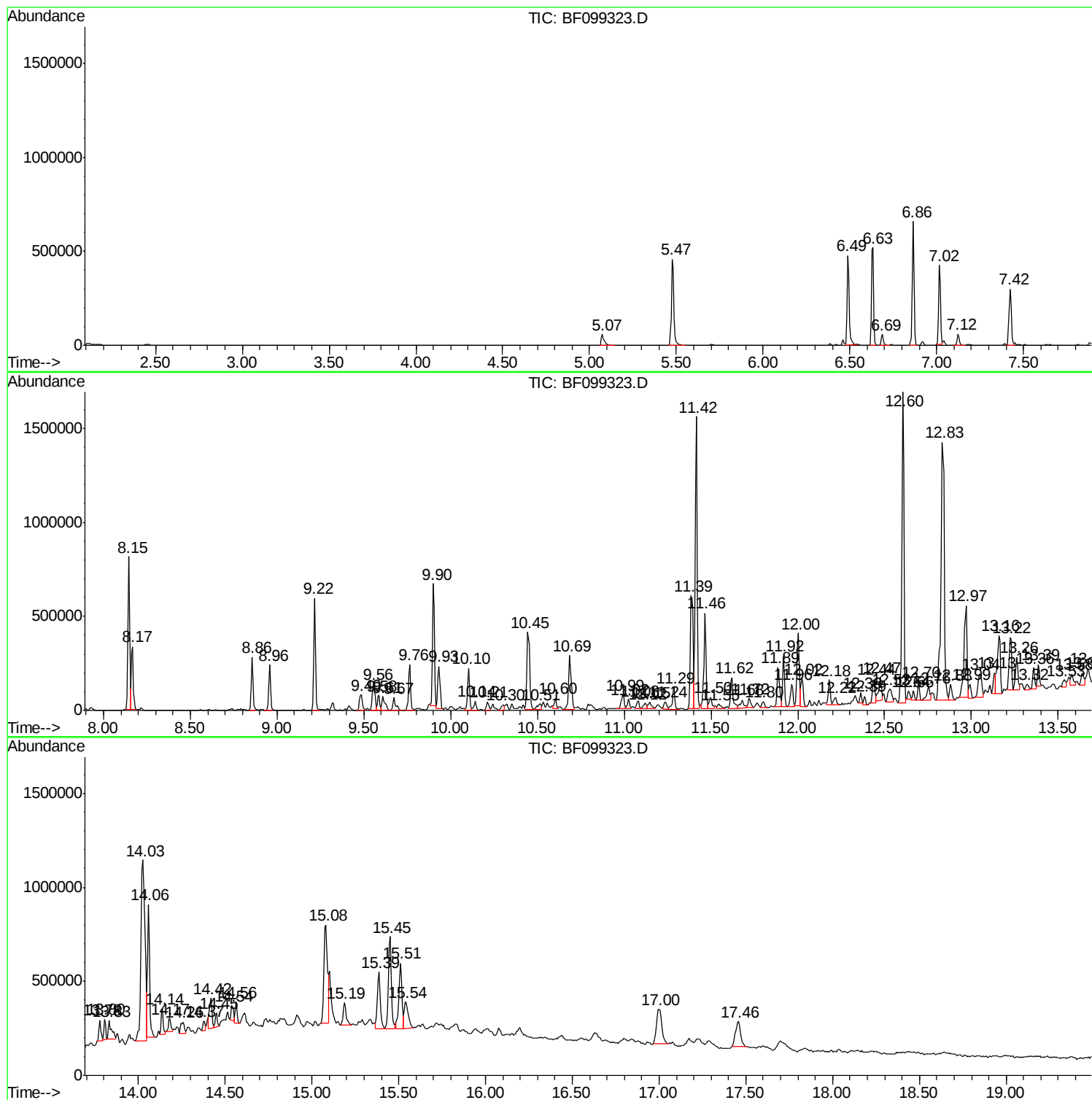
Sum of corrected areas: 23750568

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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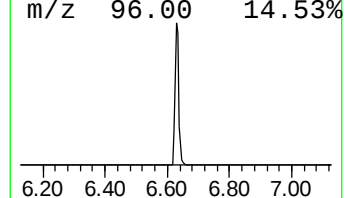
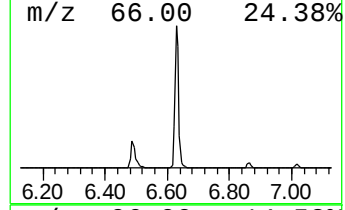
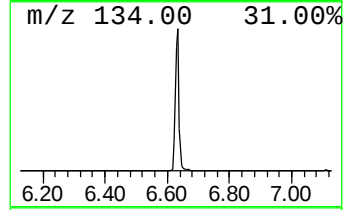
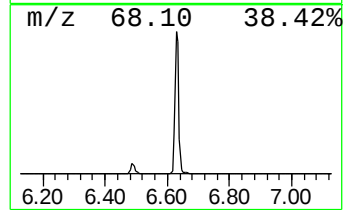
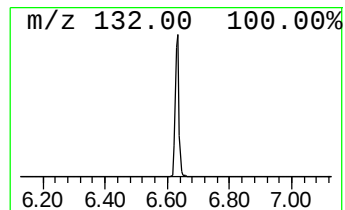
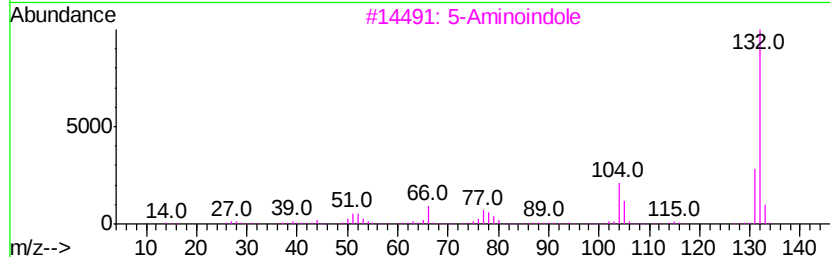
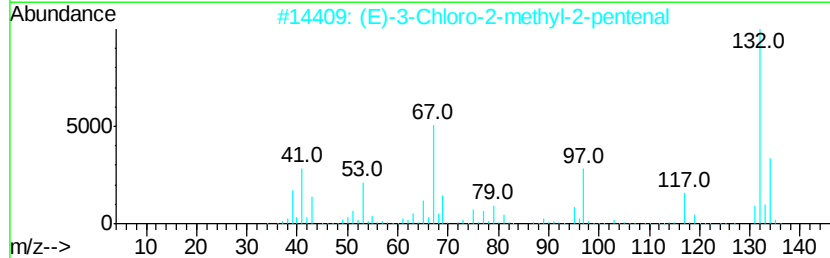
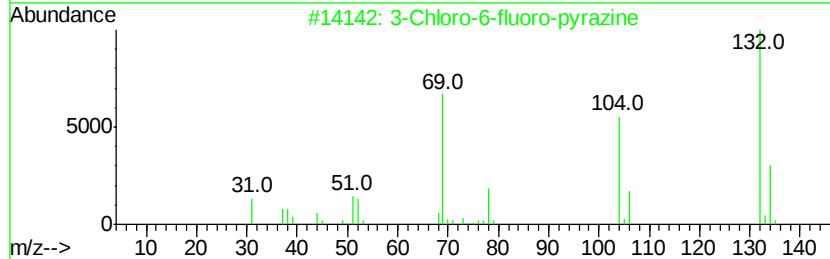
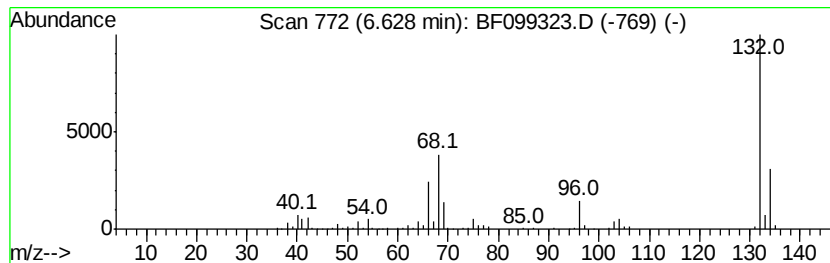
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 3-Chloro-6-fluoro-pyrazine Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	18.49 ng	471618	1,4-Dichlorobenzene-d4	6.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	52
2			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	47
3			5-Aminoindole	132	C8H8N2	005192-03-0	37
4			1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	25
5			Amphetaminil	250	C17H18N2	017590-01-1	25



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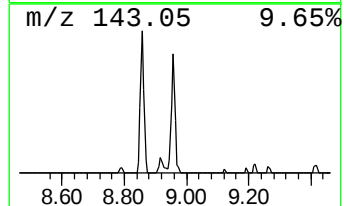
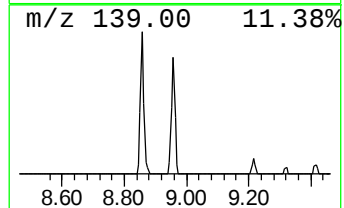
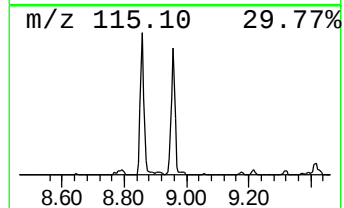
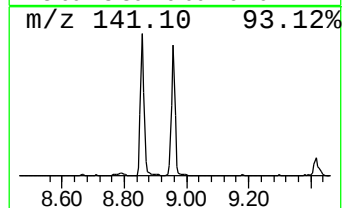
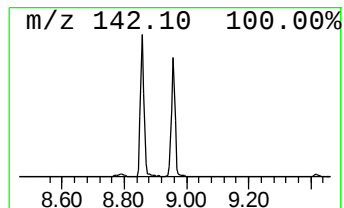
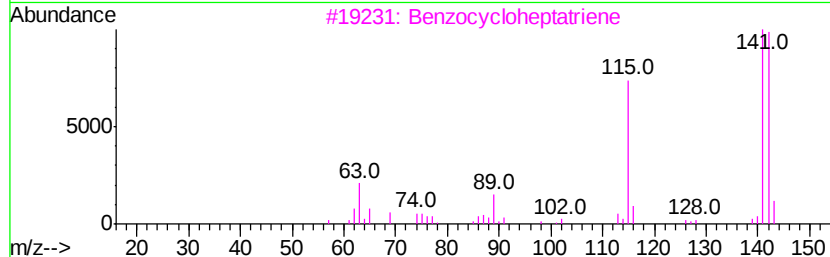
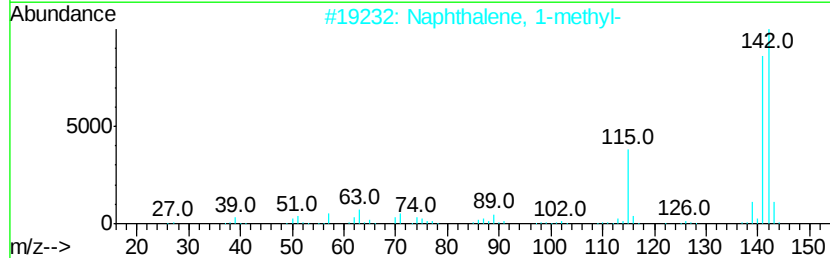
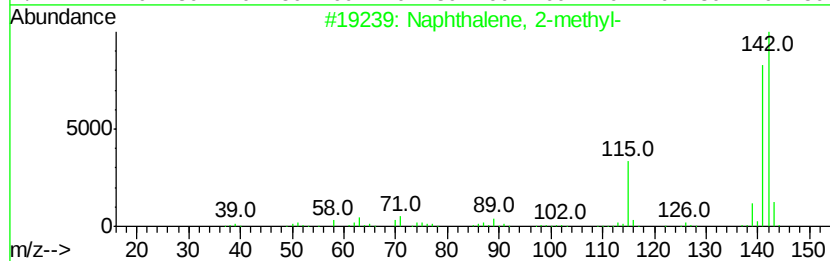
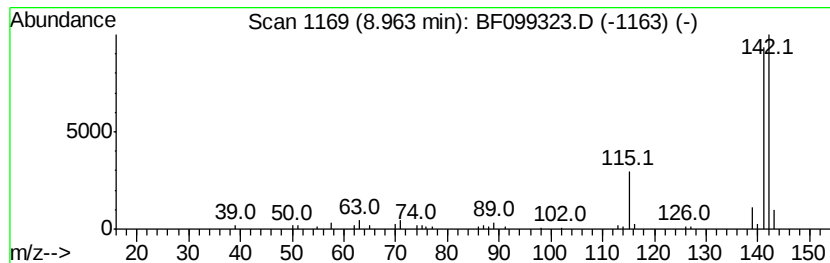
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	5.94 ng	191434	Naphthalene-d8	8.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64



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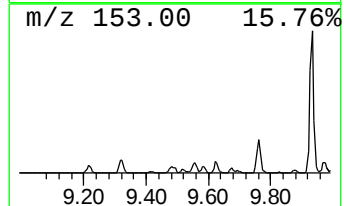
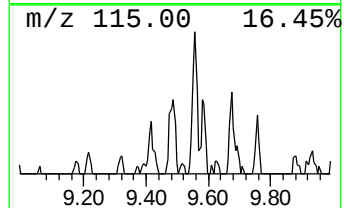
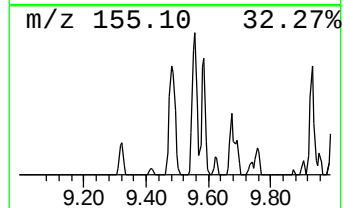
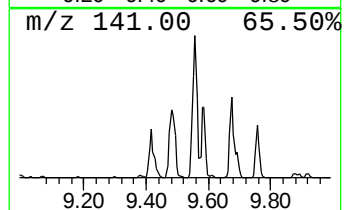
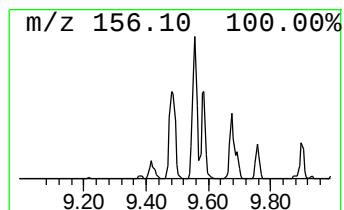
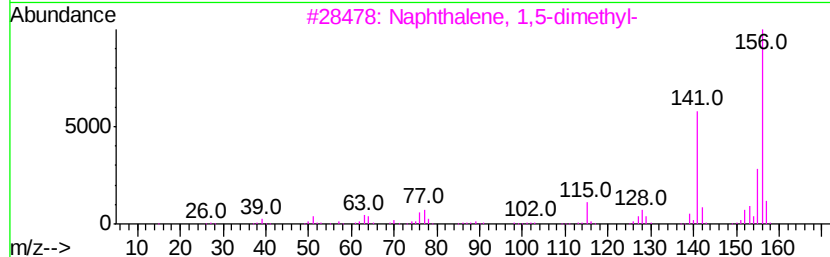
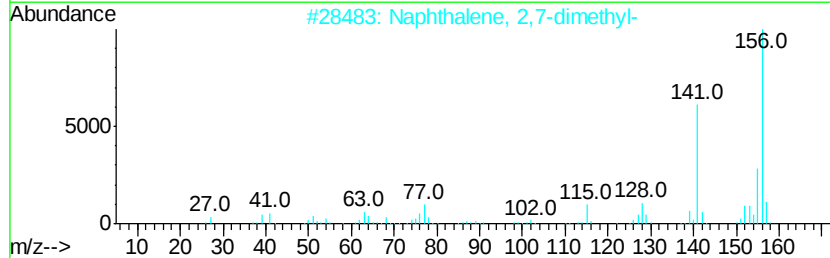
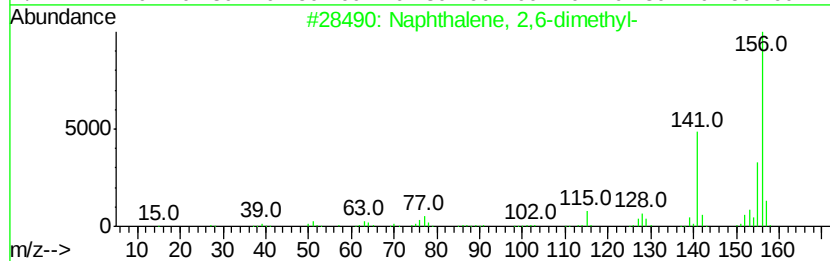
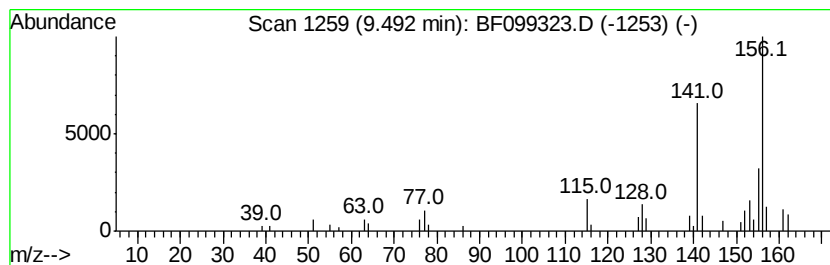
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	3.91 ng	107292	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101017\
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Acq On : 11 Oct 2017 2:05
Operator : SJ/JU
Sample : I5748-04 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-100617-B

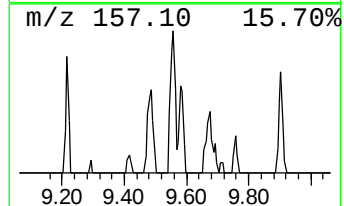
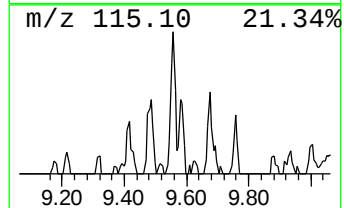
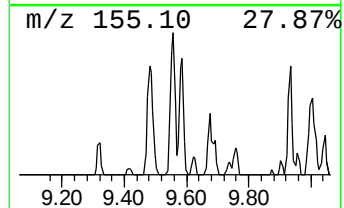
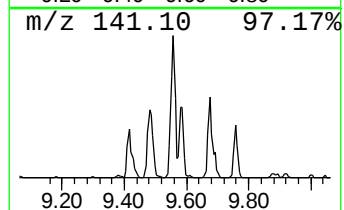
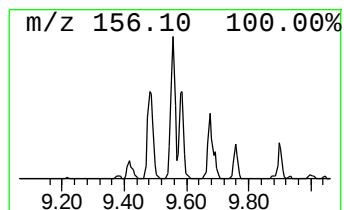
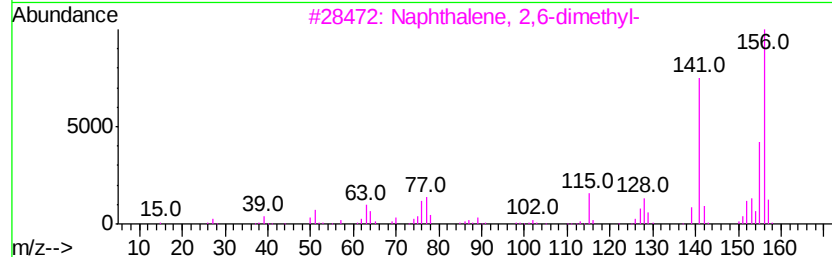
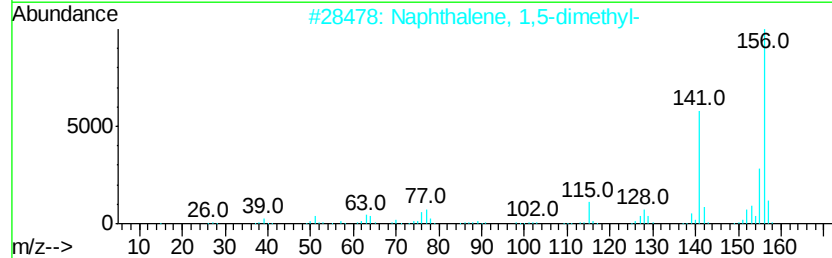
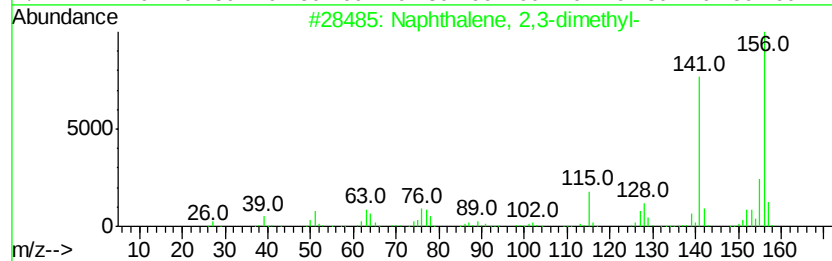
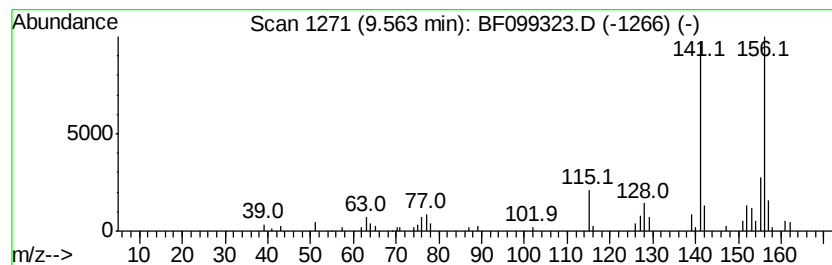
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	4.89 ng	134034	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101017\
Data File : BF099323.D
Acq On : 11 Oct 2017 2:05
Operator : SJ/JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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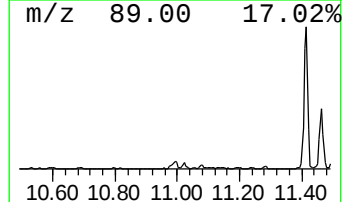
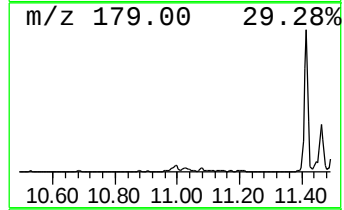
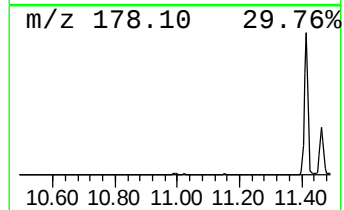
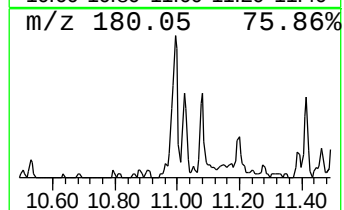
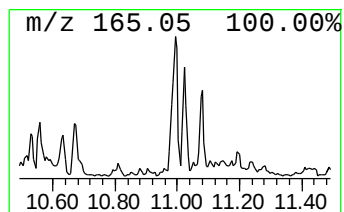
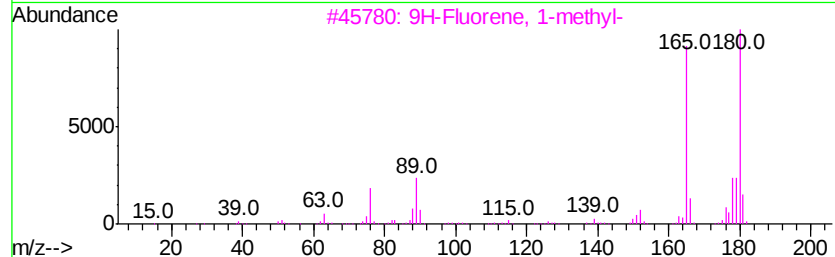
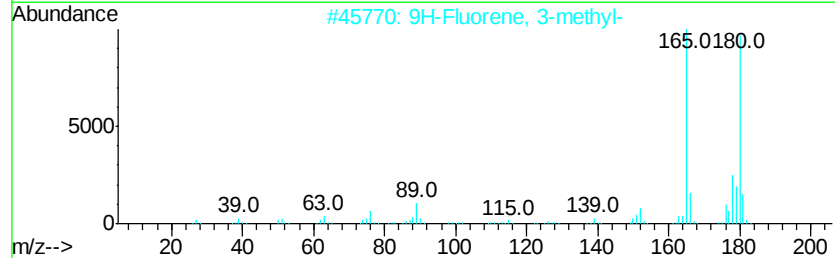
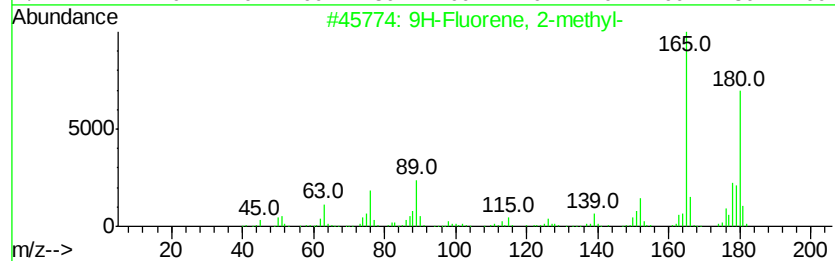
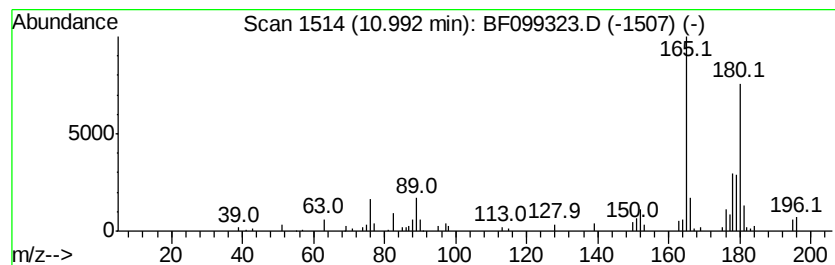
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	3.62 ng	99821	Phenanthrene-d10	11.39

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	95
3		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
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\BF101017\
Data File : BF099323.D
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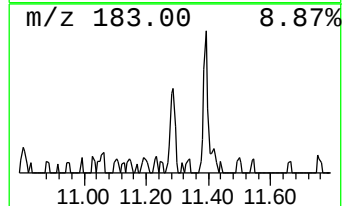
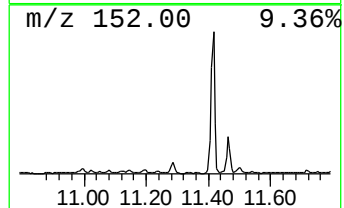
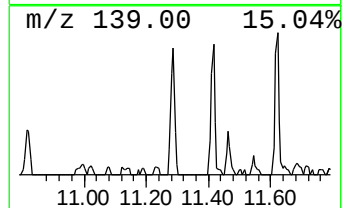
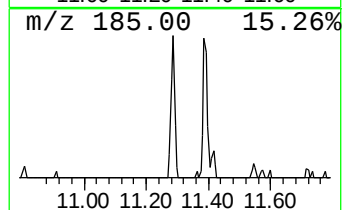
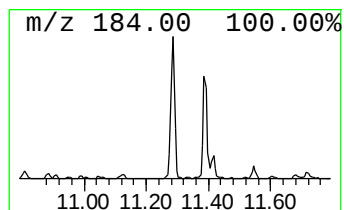
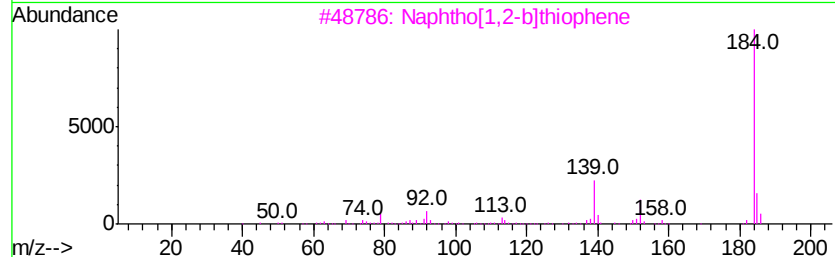
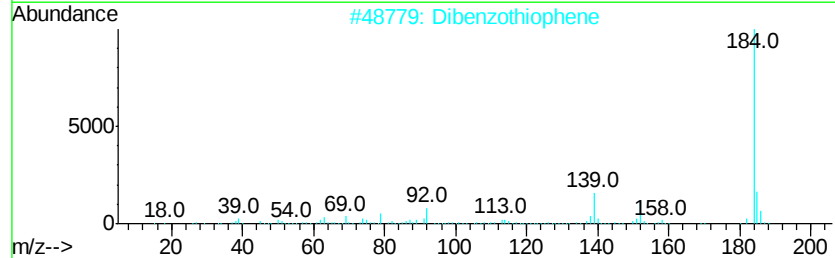
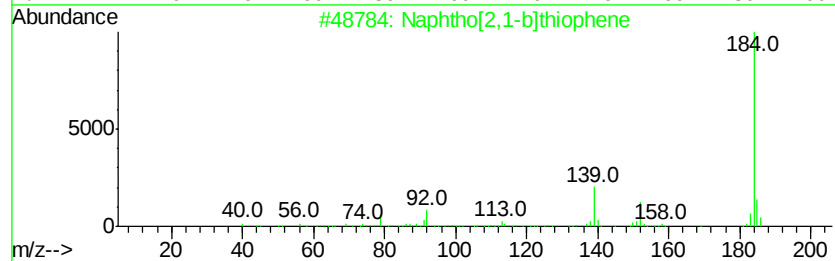
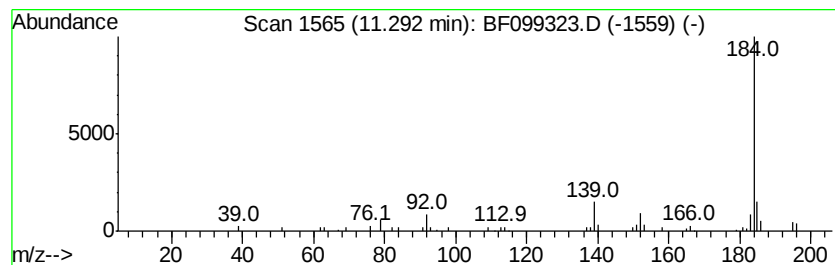
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.29	4.21 ng	116203	Phenanthrene-d10		11.39
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	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099323.D
Acq On : 11 Oct 2017 2:05
Operator : SJ/JU
Sample : I5748-04 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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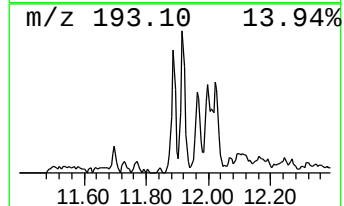
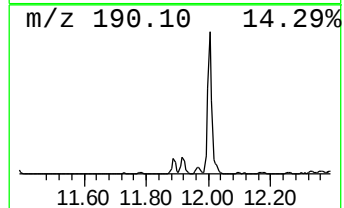
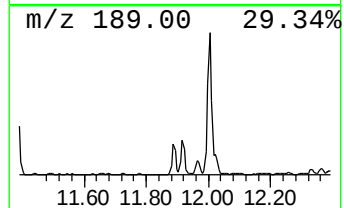
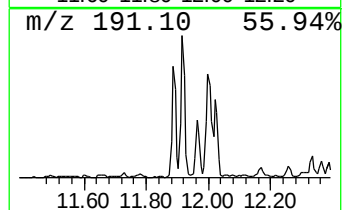
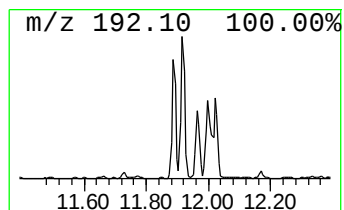
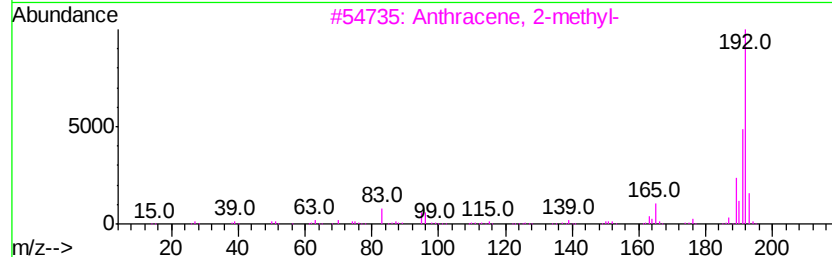
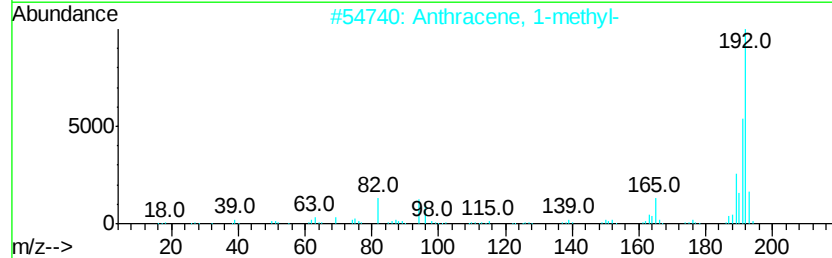
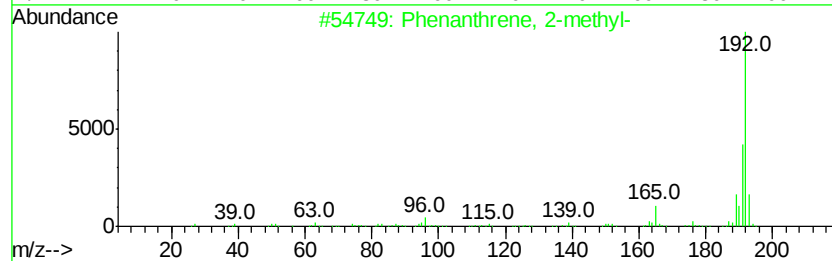
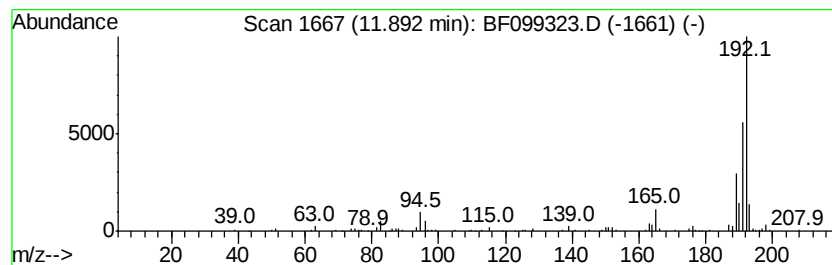
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	7.02 ng	193912	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099323.D
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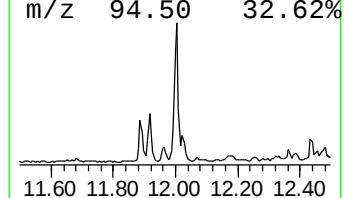
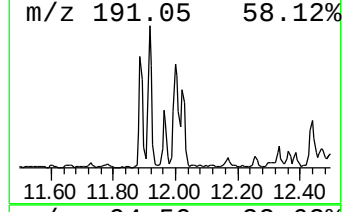
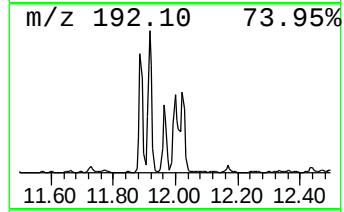
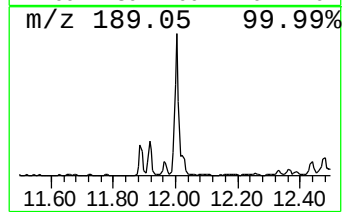
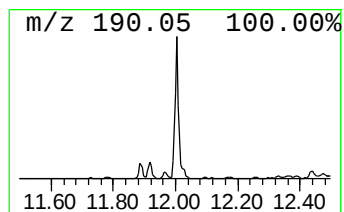
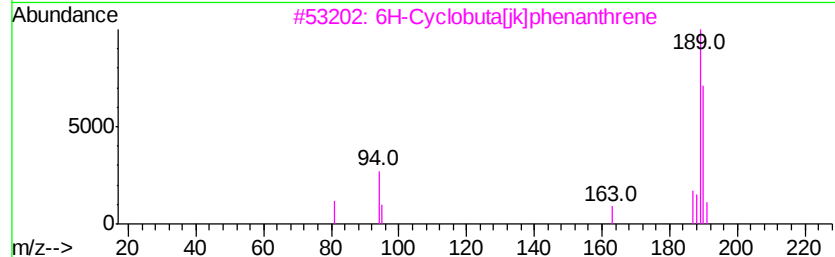
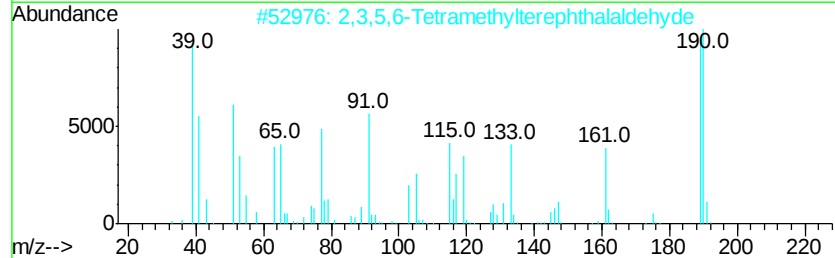
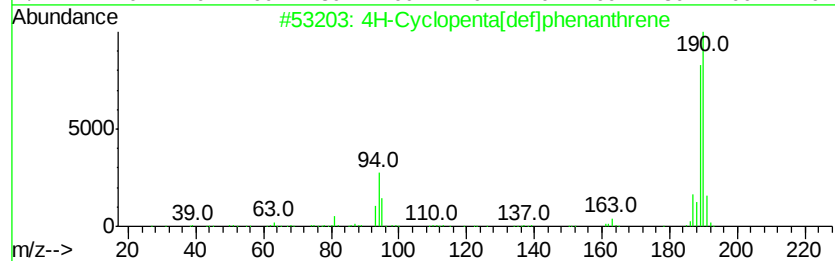
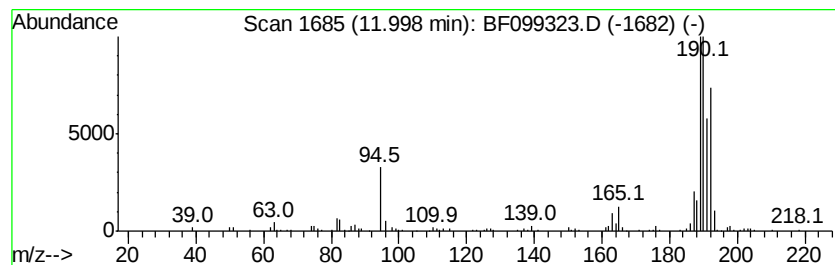
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	14.59 ng	402820	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	50
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5		Methyl diselenide	190	C2H6Se2	007101-31-7	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101017\
Data File : BF099323.D
Acq On : 11 Oct 2017 2:05
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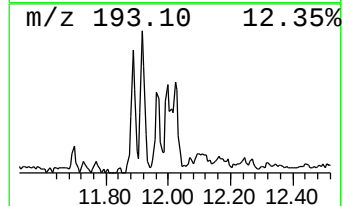
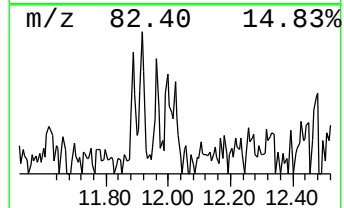
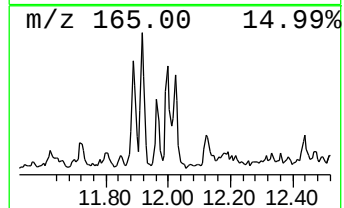
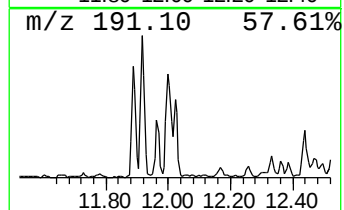
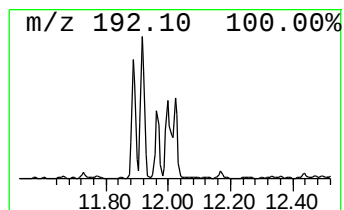
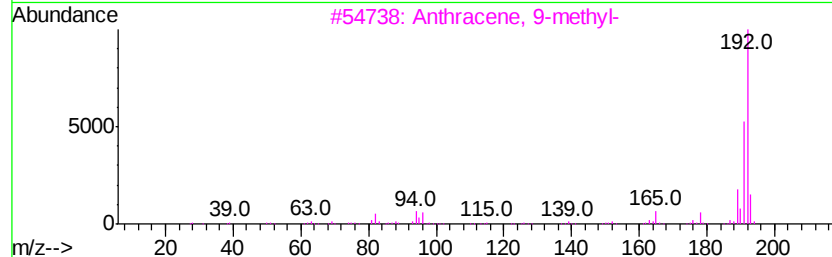
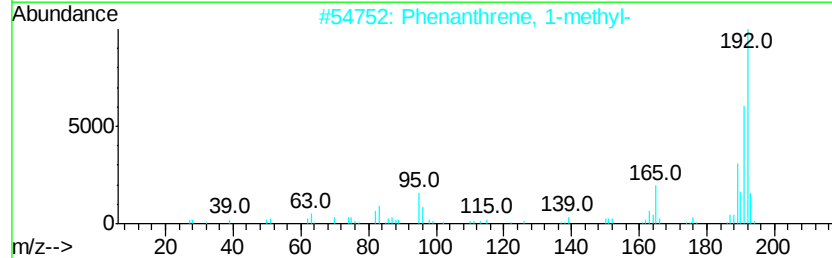
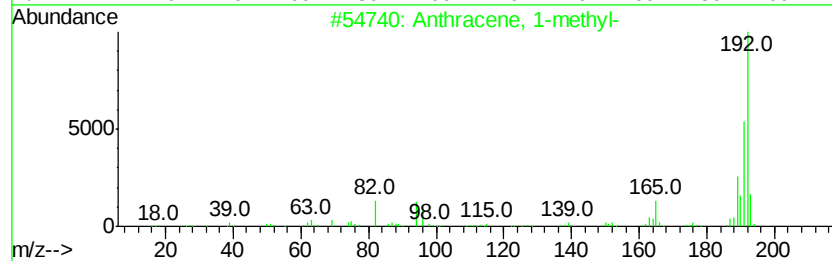
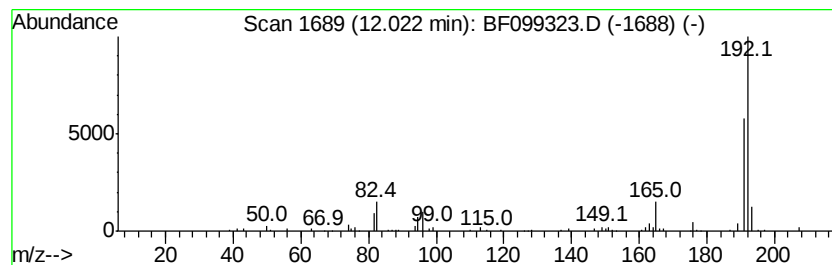
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.91 ng	107935	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101017\
Data File : BF099323.D
Acq On : 11 Oct 2017 2:05
Operator : SJ/JU
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ALS Vial : 21 Sample Multiplier: 1

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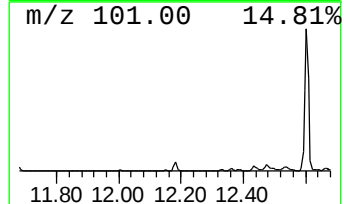
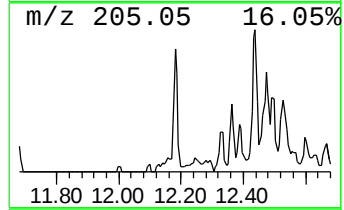
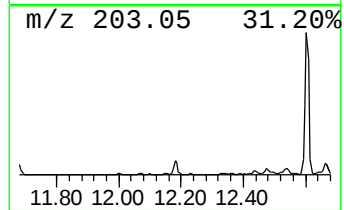
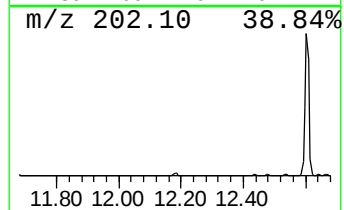
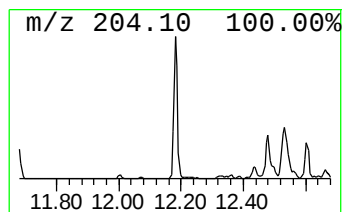
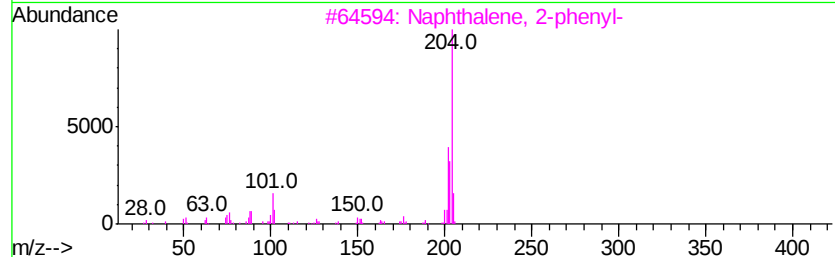
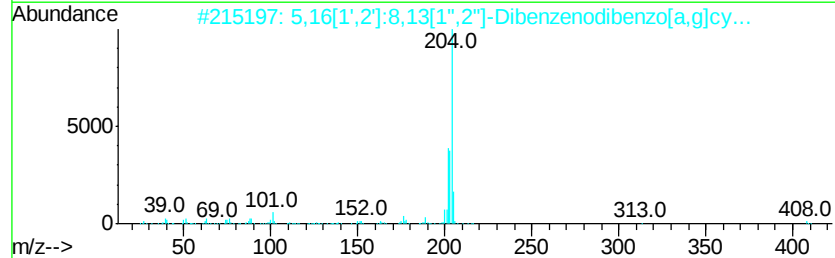
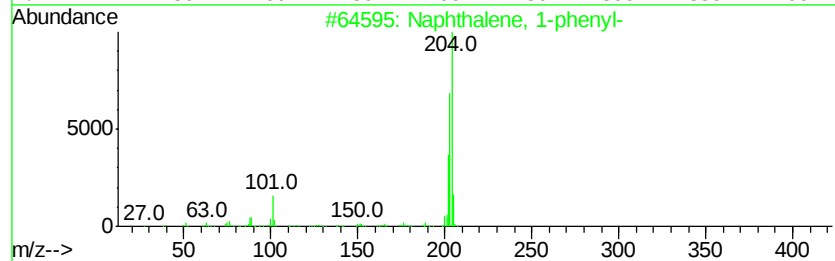
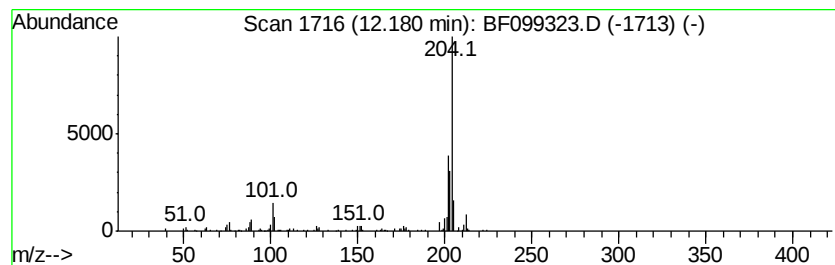
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	4.43 ng	122174	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
2		5,16[1',2']: ^{8,13} [1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5		Levamisole	204	C11H12N2S	014769-73-4	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101017\
Data File : BF099323.D
Acq On : 11 Oct 2017 2:05
Operator : SJ/JU
Sample : I5748-04 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-100617-B

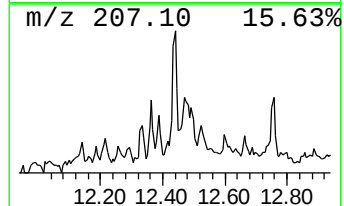
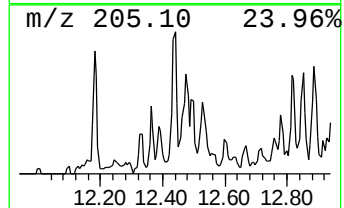
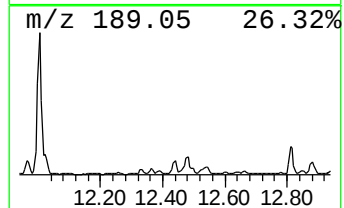
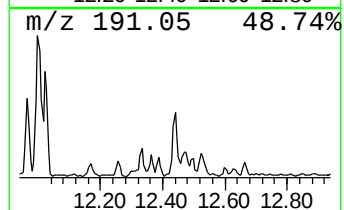
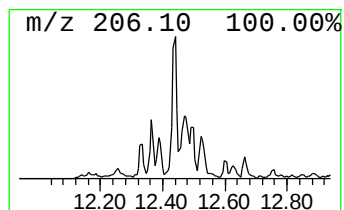
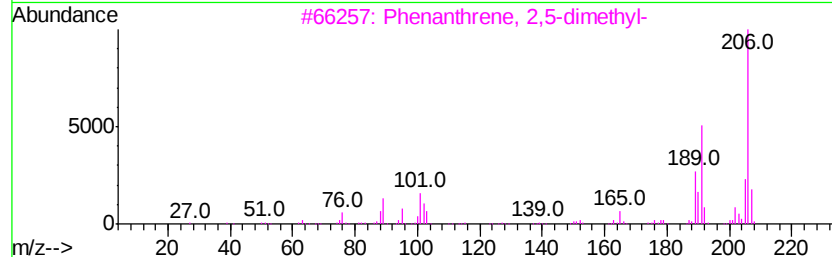
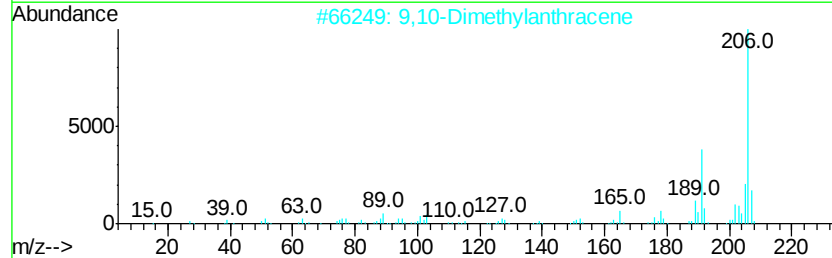
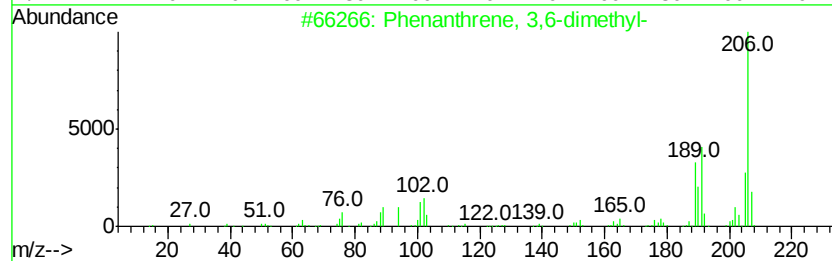
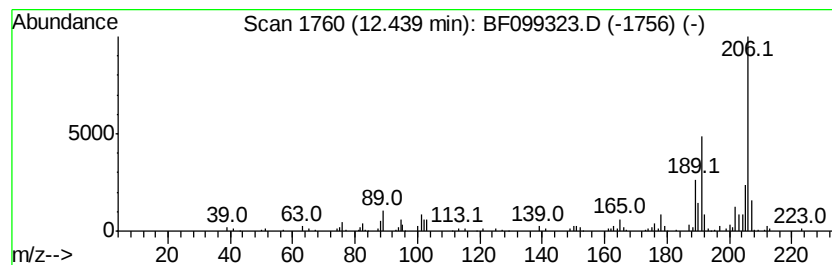
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	5.01 ng	138204	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
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Operator : SJ/JU
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Instrument :
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ClientSampleId :
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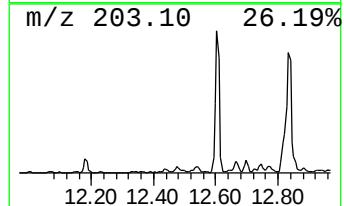
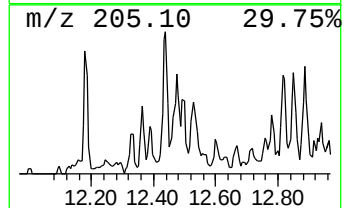
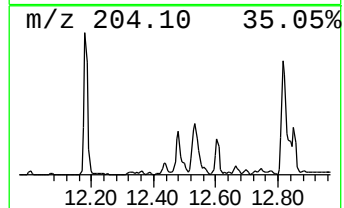
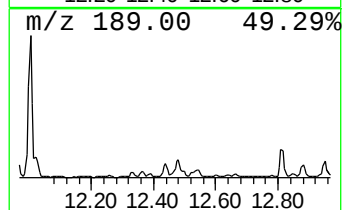
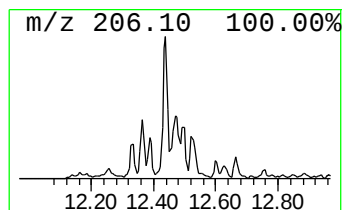
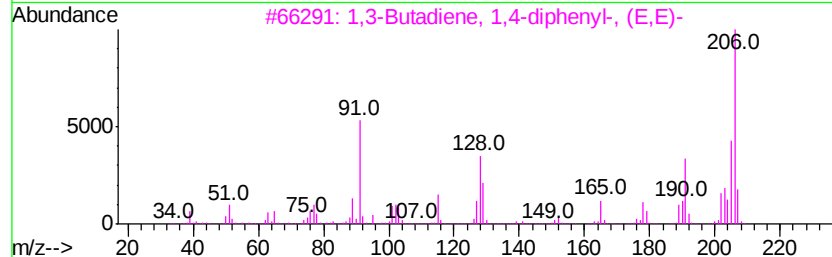
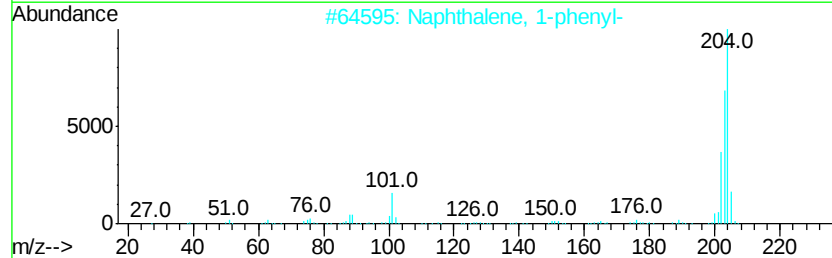
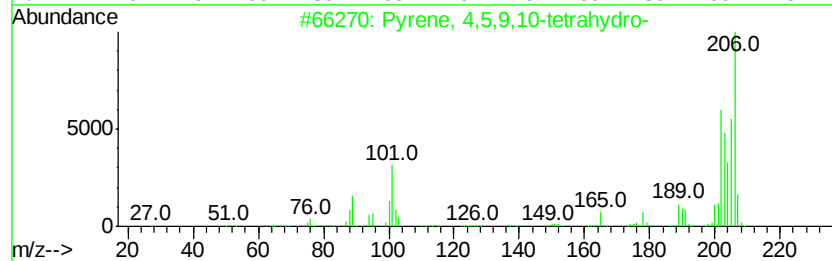
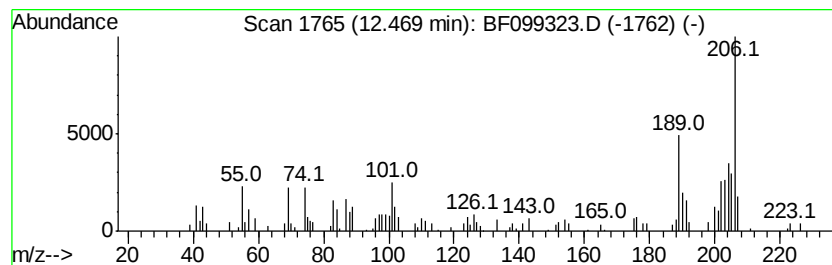
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.47 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	5.03 ng	138940	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
3		1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	35
4		2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	27
5		4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101017\
Data File : BF099323.D
Acq On : 11 Oct 2017 2:05
Operator : SJ/JU
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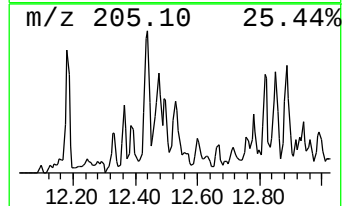
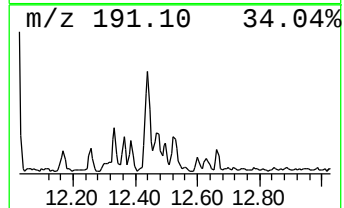
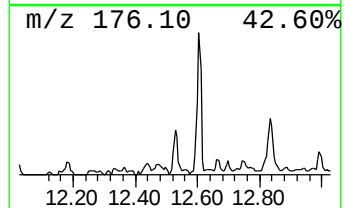
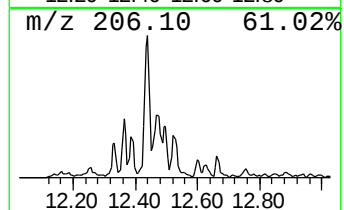
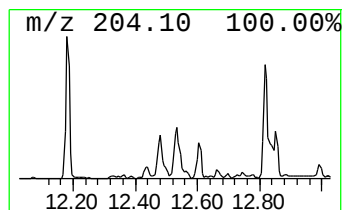
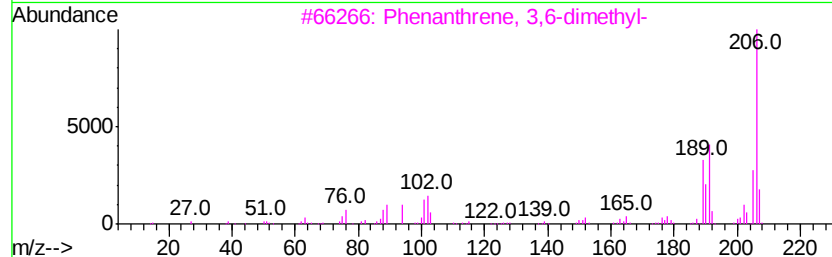
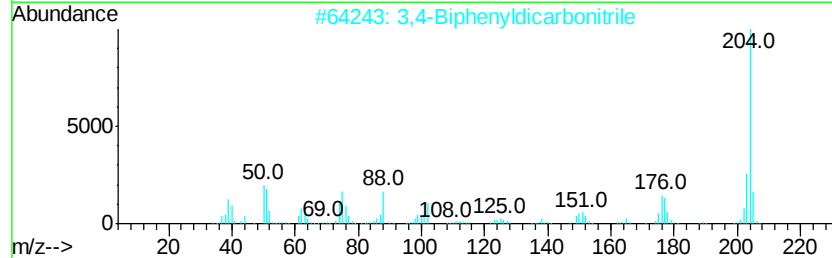
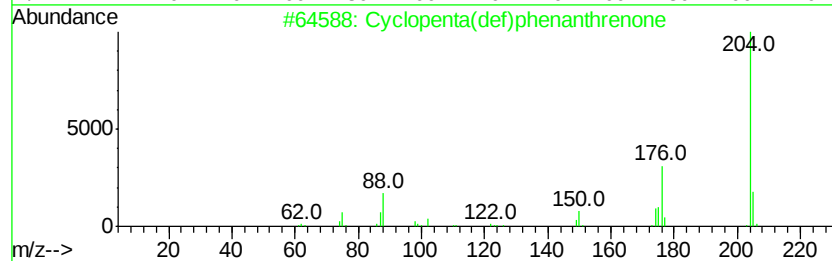
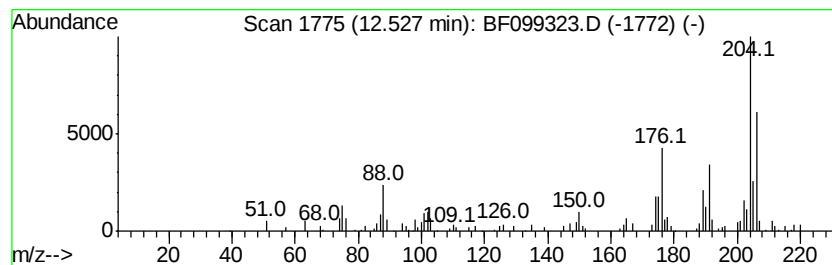
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.61 ng	99539	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
4		Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099323.D
Acq On : 11 Oct 2017 2:05
Operator : SJ/JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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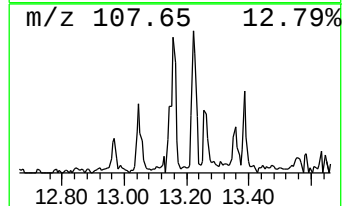
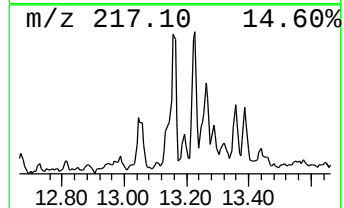
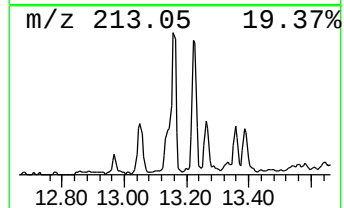
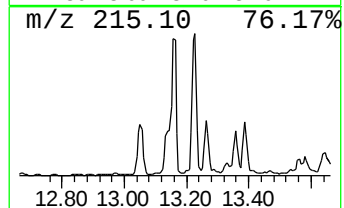
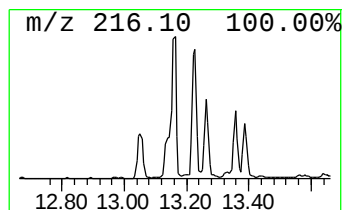
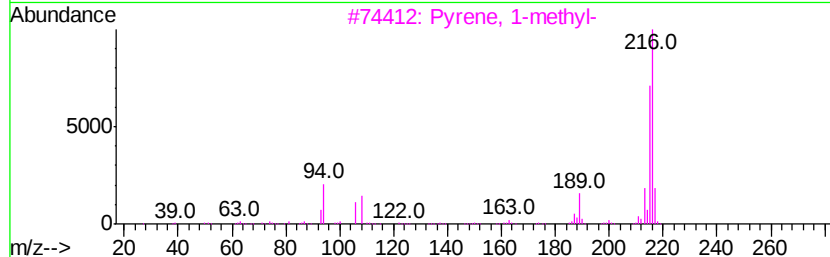
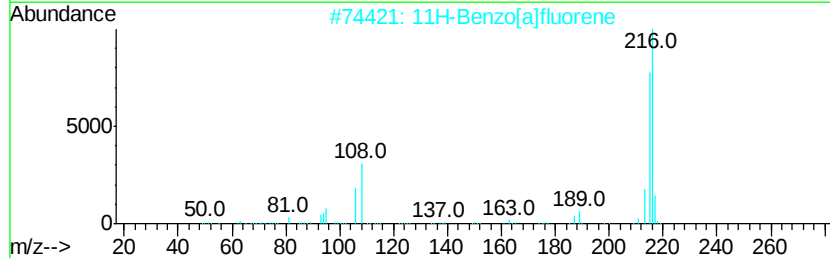
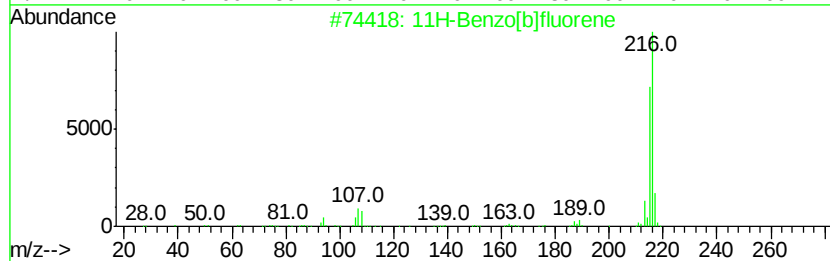
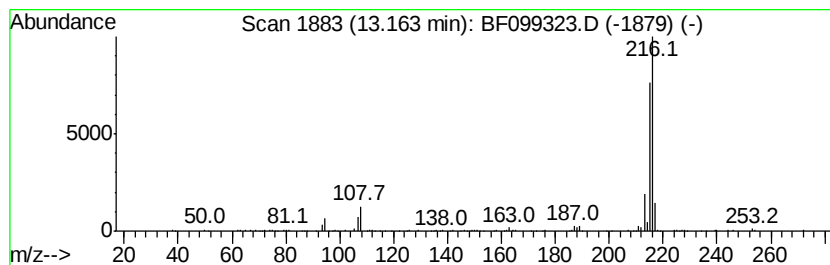
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	4.41 ng	332832	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	83
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101017\
Data File : BF099323.D
Acq On : 11 Oct 2017 2:05
Operator : SJ/JU
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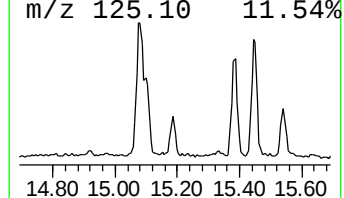
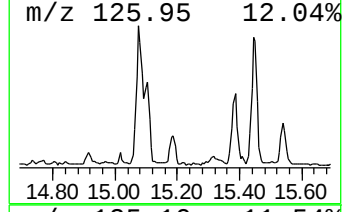
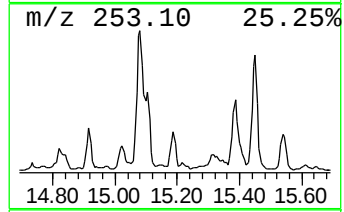
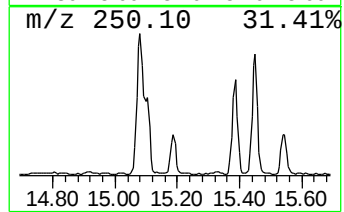
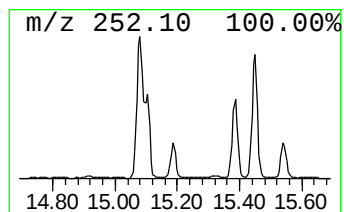
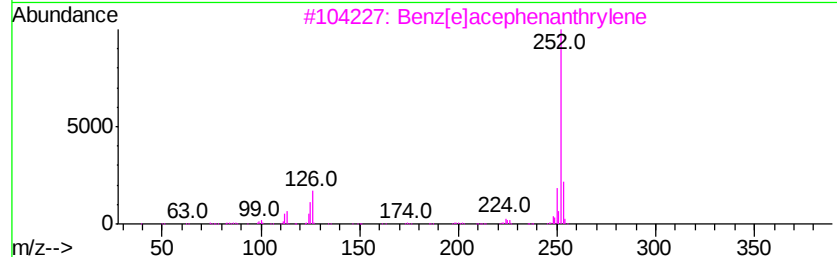
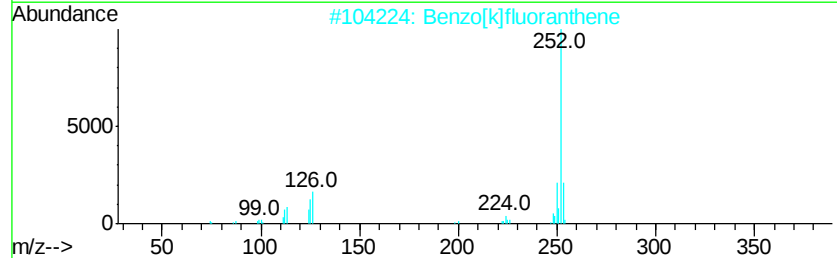
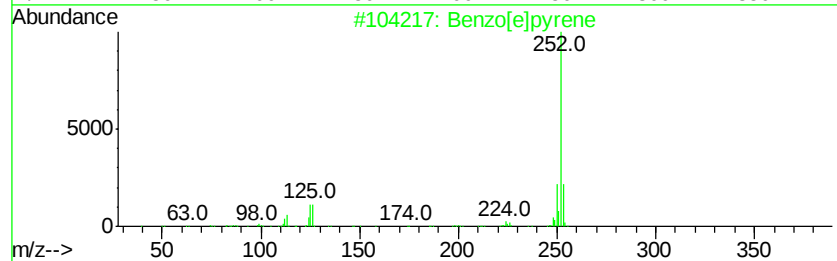
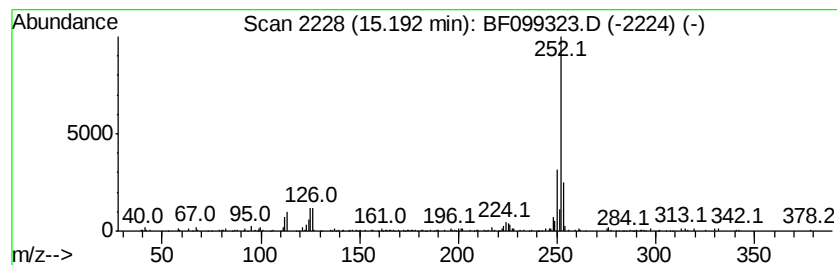
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	6.94 ng	156292	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4		Perylene	252	C20H12	000198-55-0	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	83



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 Acq On : 11 Oct 2017 2:05
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 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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 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
3-Chloro-6-fluoro...	6.63	18.5	ng	471618	1	6.86	510011	20.0
Naphthalene, 1-me...	8.96	5.9	ng	191434	2	8.15	644796	20.0
Naphthalene, 2,6-...	9.49	3.9	ng	107292	3	9.90	548554	20.0
Naphthalene, 2,3-...	9.56	4.9	ng	134034	3	9.90	548554	20.0
9H-Fluorene, 2-me...	10.99	3.6	ng	99821	4	11.39	552105	20.0
Naphtho[2,1-b]thi...	11.29	4.2	ng	116203	4	11.39	552105	20.0
Phenanthrene, 2-m...	11.89	7.0	ng	193912	4	11.39	552105	20.0
4H-Cyclopenta[def...	12.00	14.6	ng	402820	4	11.39	552105	20.0
Anthracene, 1-met...	12.02	3.9	ng	107935	4	11.39	552105	20.0
Naphthalene, 1-ph...	12.18	4.4	ng	122174	4	11.39	552105	20.0
Phenanthrene, 3,6...	12.44	5.0	ng	138204	4	11.39	552105	20.0
unknown12.47	12.47	5.0	ng	138940	4	11.39	552105	20.0
Cyclopenta(def)ph...	12.53	3.6	ng	99539	4	11.39	552105	20.0
11H-Benzo[b]fluorene	13.16	4.4	ng	332832	5	14.03	1509650	20.0
Benzo[e]pyrene	15.19	6.9	ng	156292	6	15.51	450534	20.0