

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
 Data File : BF087469.D
 Acq On : 28 May 2016 6:03
 Operator : UM/SJ
 Sample : H3190-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

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-BF052316.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	1.632	3	4	26	rVB	1466870	2514556	22.99%	1.745%
2	5.381	329	332	347	rBV	1271786	2539660	23.22%	1.762%
3	7.039	475	477	483	rVV	1936589	2788090	25.49%	1.934%
4	7.142	483	486	490	rVV	1837831	2933155	26.81%	2.035%
5	7.484	513	516	520	rBV	522703	738032	6.75%	0.512%
6	7.713	533	536	546	rVB	1512933	2127613	19.45%	1.476%
7	8.399	593	596	603	rBV	1397527	1837938	16.80%	1.275%
8	9.508	691	693	695	rBV	601530	900050	8.23%	0.624%
9	11.291	846	849	852	rBV	2373276	3059955	27.97%	2.123%
10	11.988	907	910	912	rBV	400873	564219	5.16%	0.391%
11	12.114	919	921	925	rBV	333592	474418	4.34%	0.329%
12	12.342	938	941	944	rBV2	701395	1196039	10.93%	0.830%
13	12.388	944	945	948	rVB	434196	436227	3.99%	0.303%
14	12.685	969	971	975	rVV2	182944	343953	3.14%	0.239%
15	13.176	1011	1014	1016	rBV2	196043	306974	2.81%	0.213%
16	13.234	1016	1019	1023	rVB	400954	545558	4.99%	0.378%
17	13.336	1023	1028	1030	rBV2	162919	396695	3.63%	0.275%
18	13.634	1051	1054	1058	rBV	1268067	1759821	16.09%	1.221%
19	13.977	1080	1084	1086	rBV2	222927	538488	4.92%	0.374%
20	14.137	1094	1098	1099	rBV	149883	305776	2.80%	0.212%
21	14.354	1115	1117	1119	rBV2	173746	305260	2.79%	0.212%
22	14.525	1129	1132	1134	rBV3	144432	324818	2.97%	0.225%
23	14.571	1134	1136	1138	rVB	244002	326621	2.99%	0.227%
24	14.742	1148	1151	1152	rBV	576566	779529	7.13%	0.541%
25	14.788	1152	1155	1158	rVB	3212121	5582113	51.03%	3.873%
26	14.868	1159	1162	1165	rVB	1610726	1869176	17.09%	1.297%
27	14.960	1167	1170	1174	rBV2	156876	362469	3.31%	0.251%
28	15.165	1186	1188	1189	rVV	238846	321831	2.94%	0.223%
29	15.542	1218	1221	1222	rBV	891242	1219901	11.15%	0.846%
30	15.577	1222	1224	1227	rVV	1179009	1465298	13.39%	1.017%
31	15.657	1229	1231	1232	rBV	461087	626161	5.72%	0.434%
32	15.691	1232	1234	1236	rVV	1546741	2132680	19.50%	1.480%
33	15.737	1236	1238	1240	rVB	691141	995127	9.10%	0.690%
34	15.988	1254	1260	1262	rBV	721736	1219464	11.15%	0.846%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.034	1262	1264	1267	rVB2	388305	599268	5.48%	0.416%
36	16.194	1276	1278	1280	rBV	300758	434835	3.98%	0.302%
37	16.240	1280	1282	1284	rBV	305563	347929	3.18%	0.241%
38	16.343	1288	1291	1293	rBV	765350	1219826	11.15%	0.846%
39	16.388	1293	1295	1297	rVV	378778	619618	5.66%	0.430%
40	16.468	1300	1302	1305	rVB	598382	1047986	9.58%	0.727%
41	16.571	1305	1311	1314	rBV	5037581	10939182	100.00%	7.589%
42	16.651	1316	1318	1320	rBV2	382246	567743	5.19%	0.394%
43	16.743	1324	1326	1328	rBV	285410	412370	3.77%	0.286%
44	16.880	1333	1338	1341	rBV	5514236	10883700	99.49%	7.551%
45	16.937	1341	1343	1345	rVV3	284005	438992	4.01%	0.305%
46	17.040	1349	1352	1354	rBV	589020	736664	6.73%	0.511%
47	17.108	1354	1358	1360	rVB2	1624223	2575278	23.54%	1.787%
48	17.177	1360	1364	1367	rBV2	663635	1275838	11.66%	0.885%
49	17.291	1370	1374	1375	rBV3	701043	1330058	12.16%	0.923%
50	17.325	1375	1377	1379	rVB	958419	1212680	11.09%	0.841%
51	17.405	1382	1384	1386	rVB	569910	670611	6.13%	0.465%
52	17.451	1386	1388	1394	rBV3	1309494	2434224	22.25%	1.689%
53	17.565	1396	1398	1400	rVV	707477	913097	8.35%	0.633%
54	17.611	1400	1402	1404	rVV	553013	662799	6.06%	0.460%
55	17.748	1412	1414	1418	rVB3	170835	301848	2.76%	0.209%
56	17.840	1418	1422	1423	rBV3	186057	443879	4.06%	0.308%
57	17.874	1423	1425	1429	rVB3	160897	356072	3.26%	0.247%
58	18.000	1434	1436	1439	rVB	687672	926356	8.47%	0.643%
59	18.126	1445	1447	1448	rBV	605573	859799	7.86%	0.596%
60	18.160	1448	1450	1451	rVV2	896757	1253130	11.46%	0.869%
61	18.194	1451	1453	1454	rVV	598411	870981	7.96%	0.604%
62	18.217	1454	1455	1458	rVB2	395742	548368	5.01%	0.380%
63	18.286	1458	1461	1465	rVB2	796969	1222784	11.18%	0.848%
64	18.354	1465	1467	1469	rVB2	190091	287871	2.63%	0.200%
65	18.457	1472	1476	1477	rVV	3486129	6371603	58.25%	4.420%
66	18.503	1477	1480	1483	rVV2	3889465	6357632	58.12%	4.411%
67	18.583	1485	1487	1489	rVV2	637908	779399	7.12%	0.541%
68	18.663	1491	1494	1495	rVV2	189928	366767	3.35%	0.254%
69	18.731	1498	1500	1502	rVV	418016	590277	5.40%	0.410%
70	18.777	1502	1504	1506	rVB3	358122	557511	5.10%	0.387%
71	18.960	1517	1520	1522	rBV	1067869	1391845	12.72%	0.966%

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72	18.994	1522	1523	1525	rVB	564978	558871	5.11%	0.388%
73	19.040	1525	1527	1528	rBV2	269369	405905	3.71%	0.282%
74	19.063	1528	1529	1531	rVB2	369949	491676	4.49%	0.341%
75	19.108	1531	1533	1534	rBV2	419232	531931	4.86%	0.369%
76	19.200	1539	1541	1545	rVV3	250518	498696	4.56%	0.346%
77	19.371	1554	1556	1560	rVV2	370423	803305	7.34%	0.557%
78	19.474	1560	1565	1567	rVV2	228466	573504	5.24%	0.398%
79	19.566	1570	1573	1575	rVV	583038	916718	8.38%	0.636%
80	19.611	1575	1577	1580	rVV2	171484	376193	3.44%	0.261%
81	19.680	1580	1583	1584	rVV3	238943	429840	3.93%	0.298%
82	19.737	1584	1588	1593	rVV	3192937	8835671	80.77%	6.130%
83	19.840	1595	1597	1599	rVV	733958	1095721	10.02%	0.760%
84	19.966	1602	1608	1610	rVV3	348019	1331082	12.17%	0.923%
85	20.023	1610	1613	1615	rVV	2400668	3453816	31.57%	2.396%
86	20.080	1615	1618	1621	rVV	2553873	4846577	44.30%	3.362%
87	20.137	1621	1623	1624	rVV	473865	852058	7.79%	0.591%
88	20.160	1624	1625	1632	rVV2	1117200	2115221	19.34%	1.467%
89	20.286	1634	1636	1638	rVV	289456	530339	4.85%	0.368%
90	20.331	1638	1640	1642	rVV	253913	483369	4.42%	0.335%
91	20.400	1644	1646	1653	rVB	220613	616706	5.64%	0.428%
92	21.052	1700	1703	1706	rBV3	161909	371896	3.40%	0.258%
93	21.189	1713	1715	1717	rBV	217251	349167	3.19%	0.242%
94	21.360	1727	1730	1733	rBV	1344063	2390696	21.85%	1.659%
95	21.486	1738	1741	1743	rBV	270538	484242	4.43%	0.336%
96	21.532	1743	1745	1749	rVB2	225423	414057	3.79%	0.287%
97	21.714	1758	1761	1770	rVB	1041765	1924341	17.59%	1.335%
98	21.909	1776	1778	1784	rVB	248274	542242	4.96%	0.376%
99	23.497	1912	1917	1922	rBV	229623	759126	6.94%	0.527%
100	23.669	1928	1932	1936	rBV	155408	511627	4.68%	0.355%

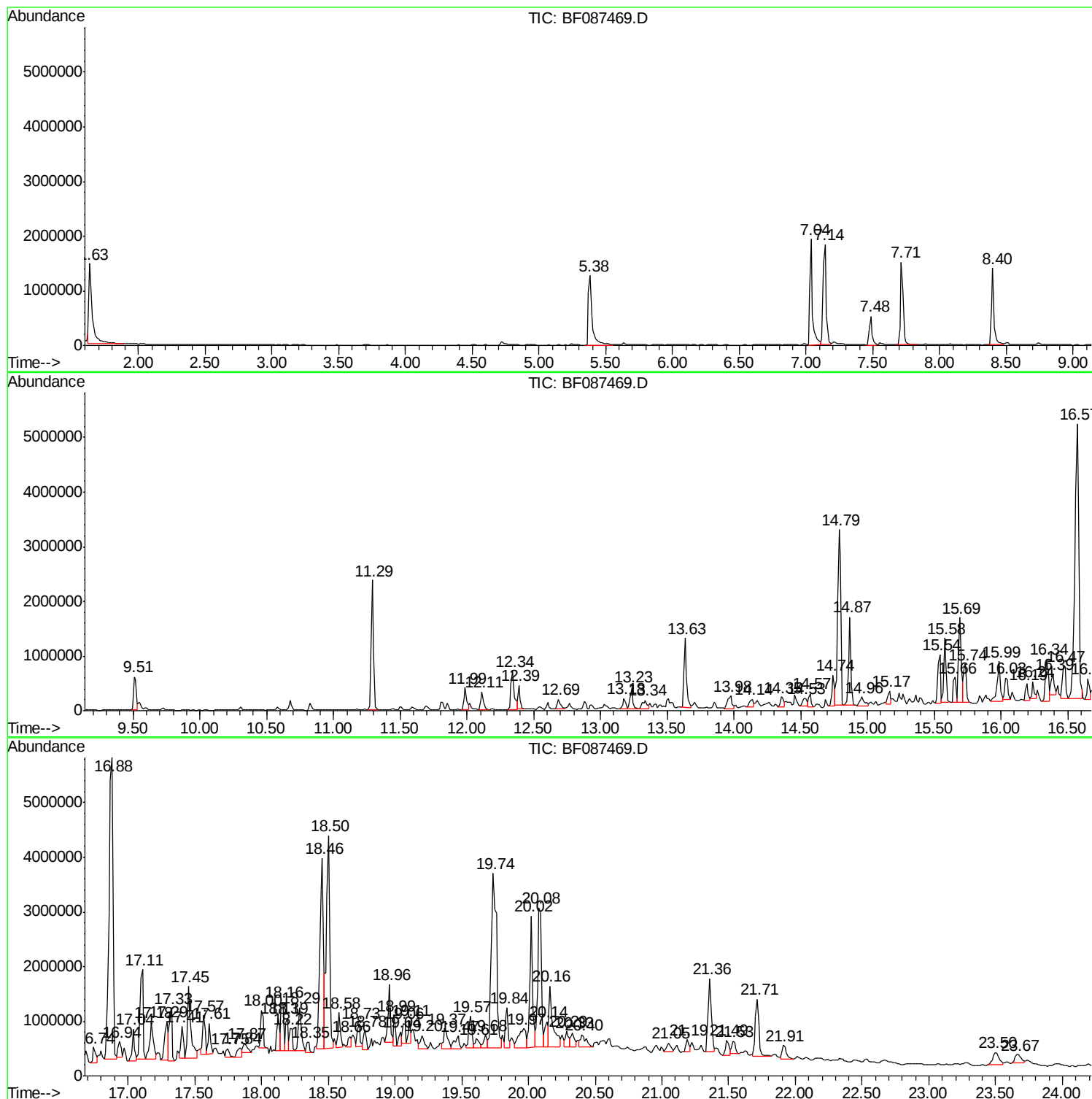
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Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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CHS-STA-1696(0-4)

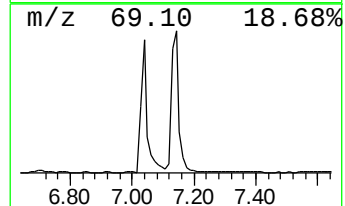
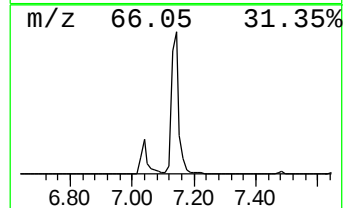
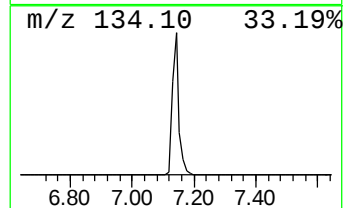
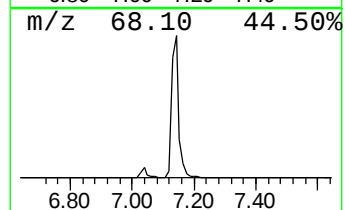
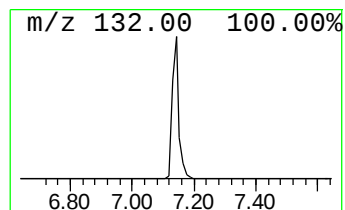
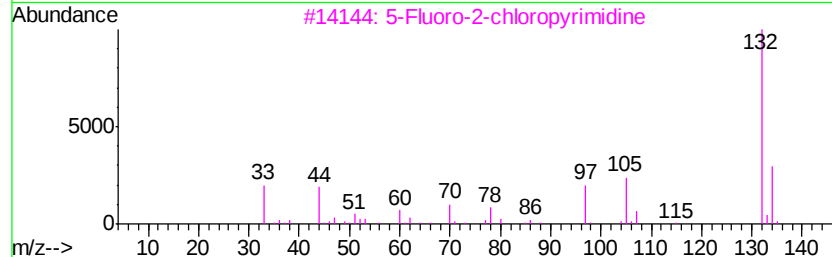
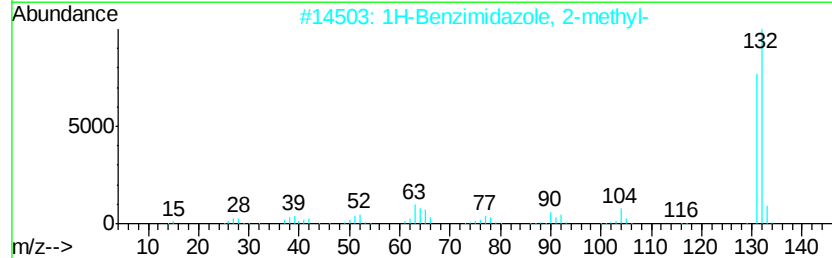
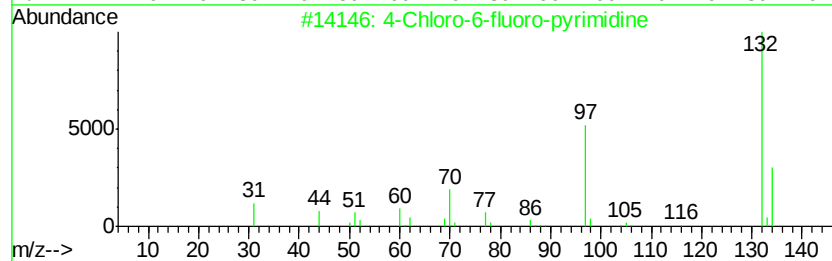
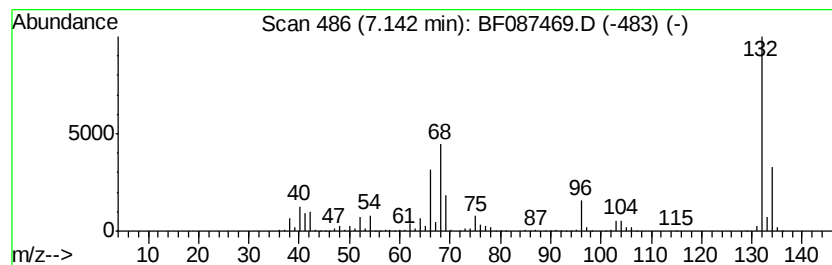
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown7.14 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	79.49 ng	2933160	1,4-Dichlorobenzene-d4	7.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
5		Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	10



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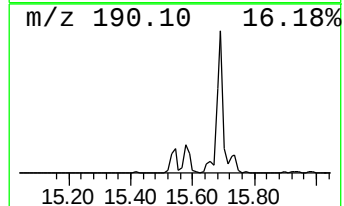
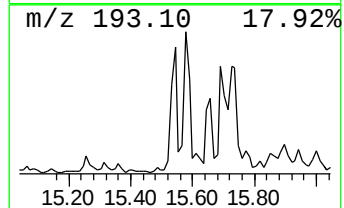
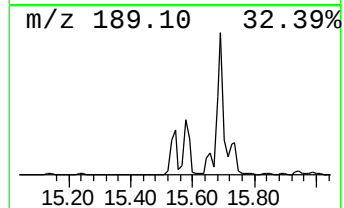
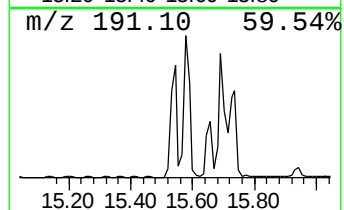
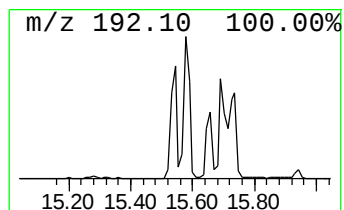
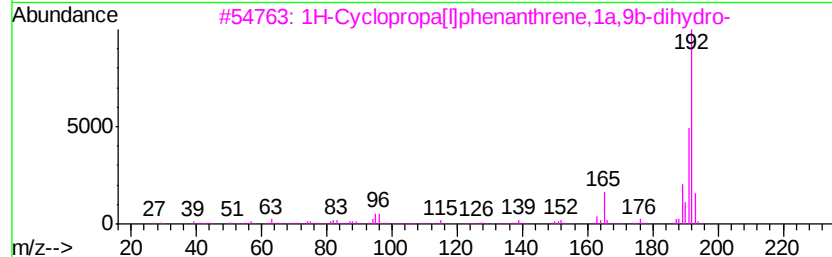
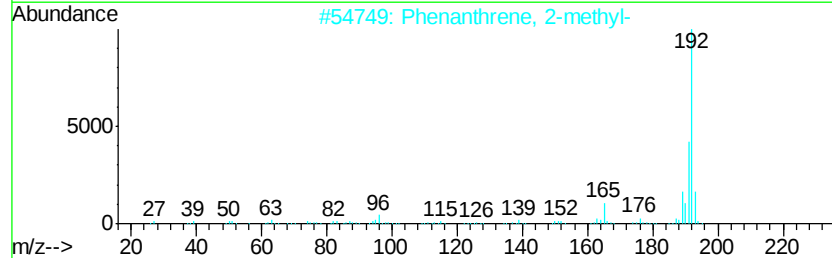
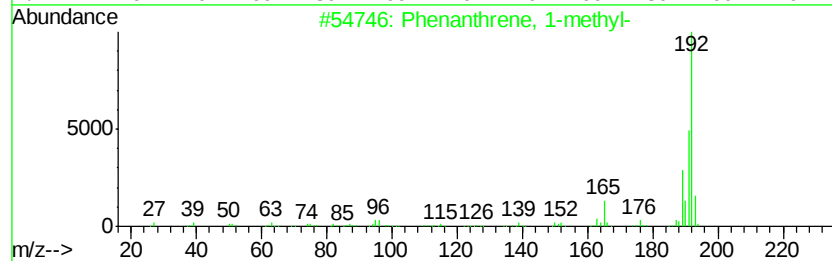
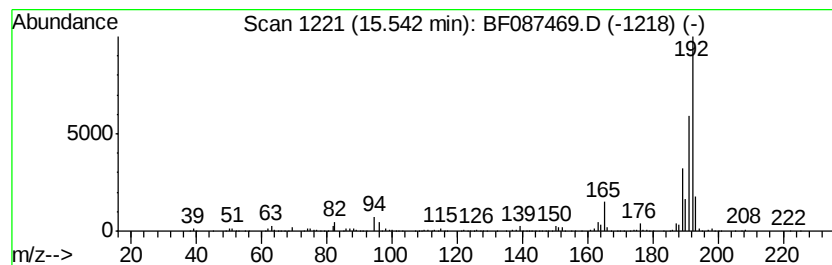
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	31.30 ng	1219900	Phenanthrene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94



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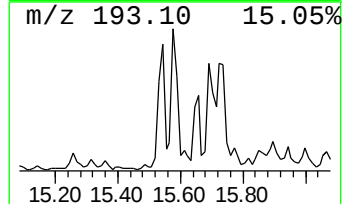
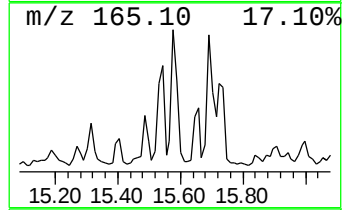
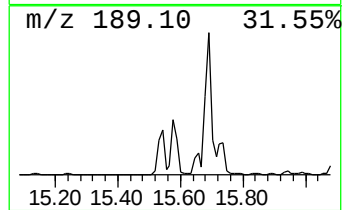
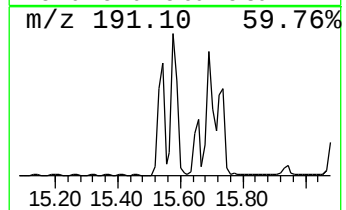
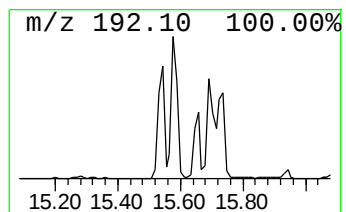
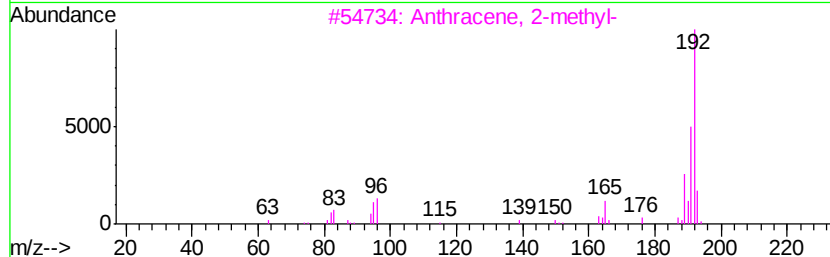
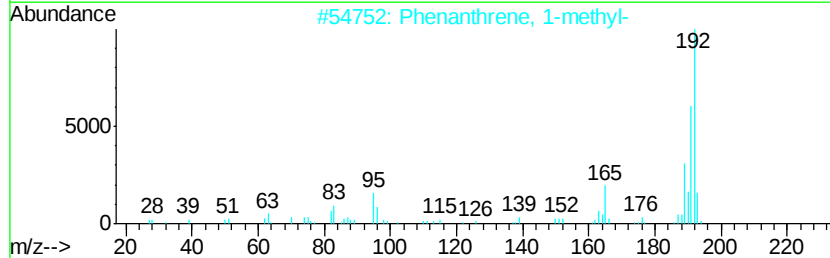
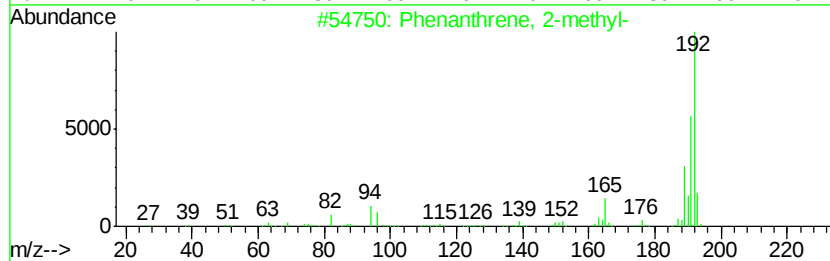
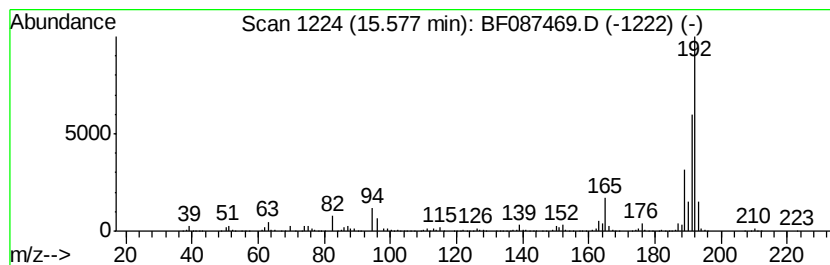
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	37.59 ng	1465300	Phenanthrene-d10	14.74

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



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Data File : BF087469.D
Acq On : 28 May 2016 6:03
Operator : UM/SJ
Sample : H3190-10
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Instrument :
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ClientSampleId :
CHS-STA-1696(0-4)

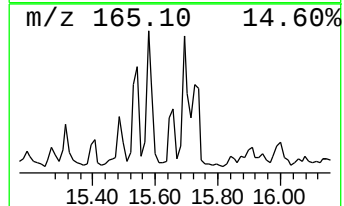
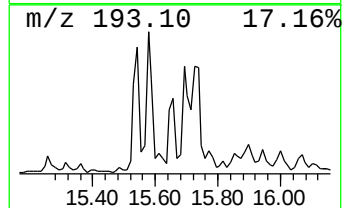
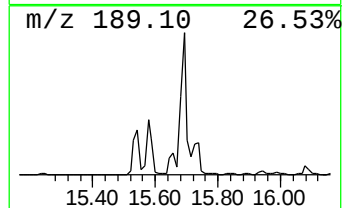
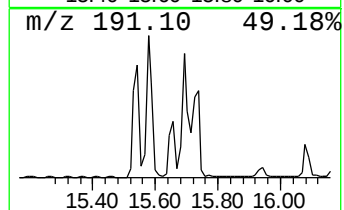
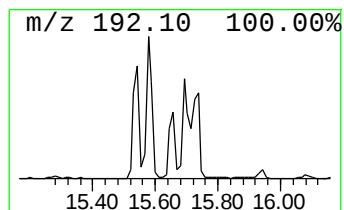
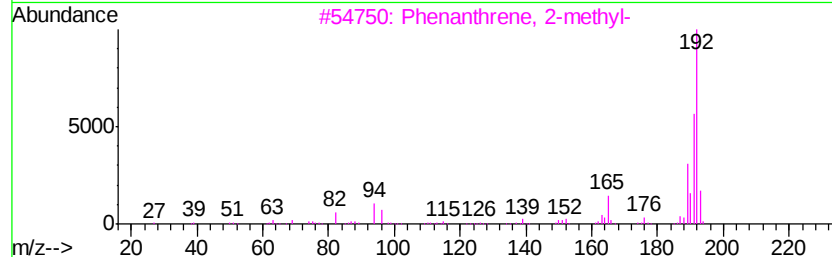
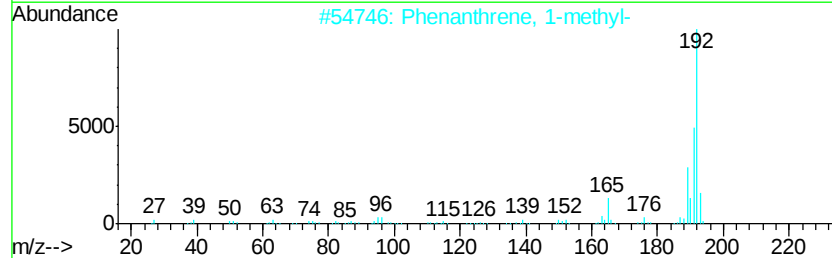
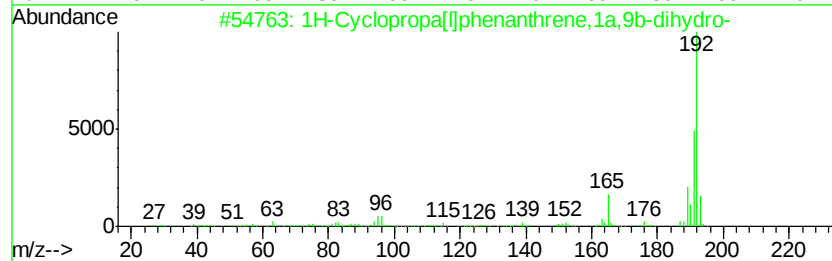
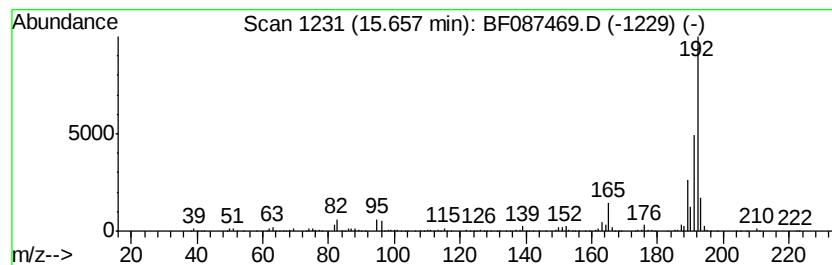
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	16.07 ng	626161	Phenanthrene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96



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Operator : UM/SJ
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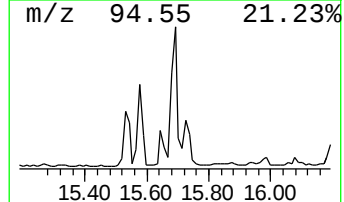
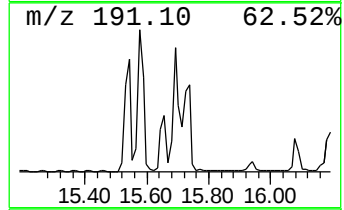
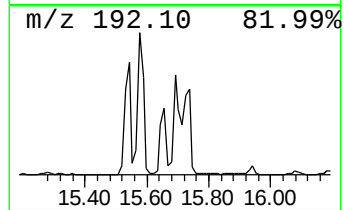
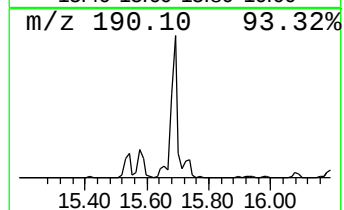
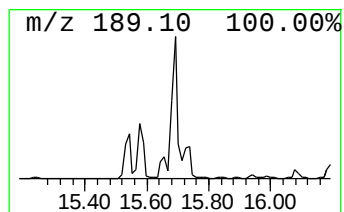
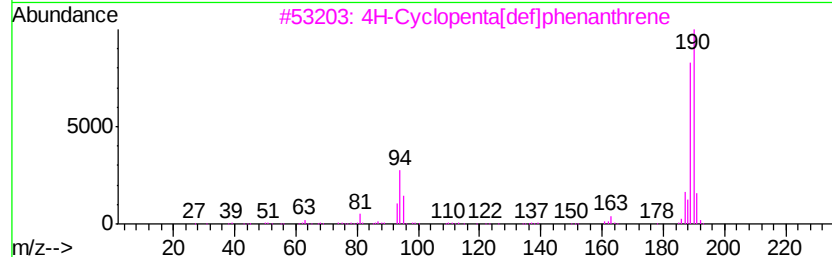
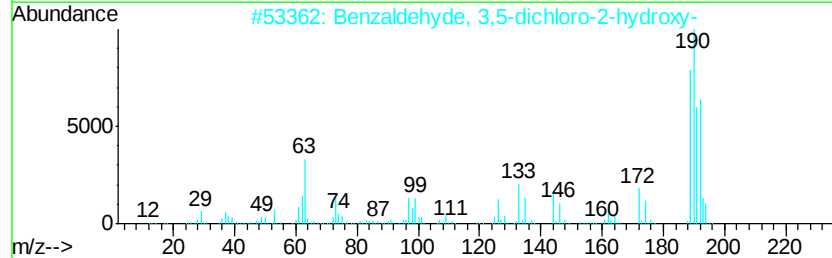
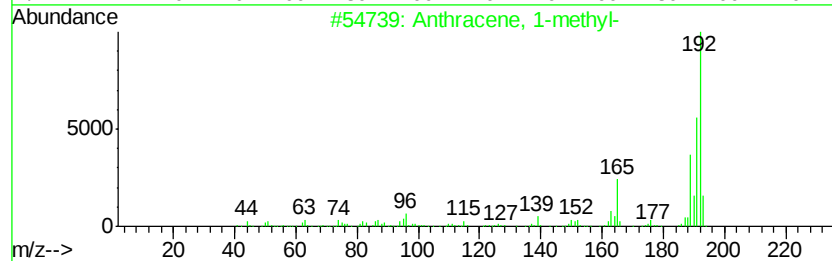
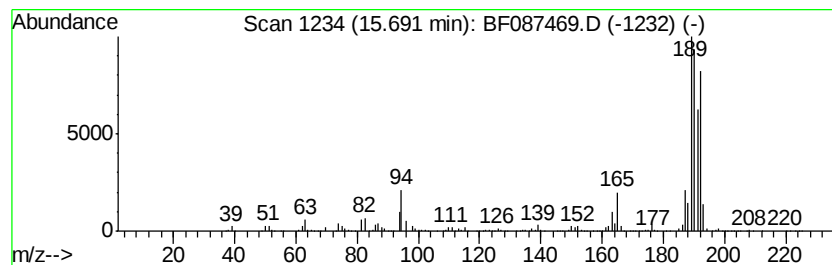
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.69	54.72 ng	2132680	Phenanthrene-d10	14.74	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	6H-Cyclobuta[fik]phenanthrene	190	C15H10	083469-43-6	49
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087469.D
Acq On : 28 May 2016 6:03
Operator : UM/SJ
Sample : H3190-10
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ClientSampleId :
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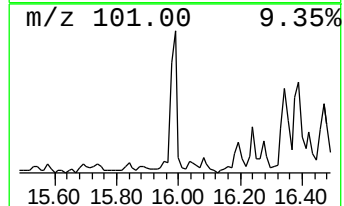
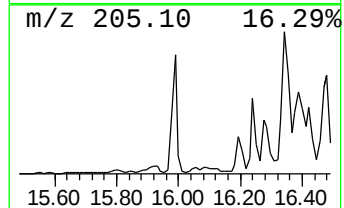
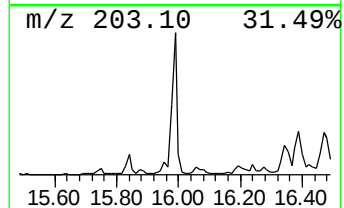
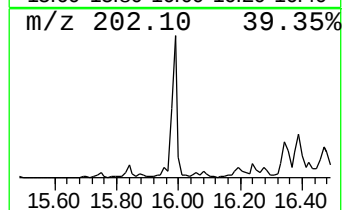
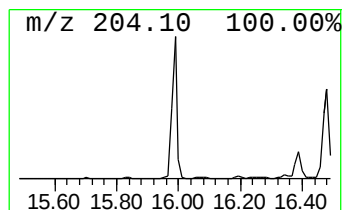
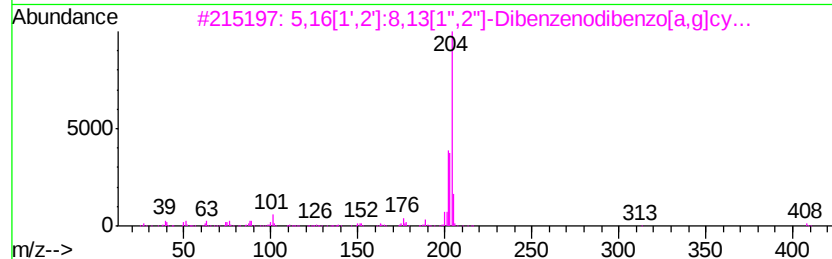
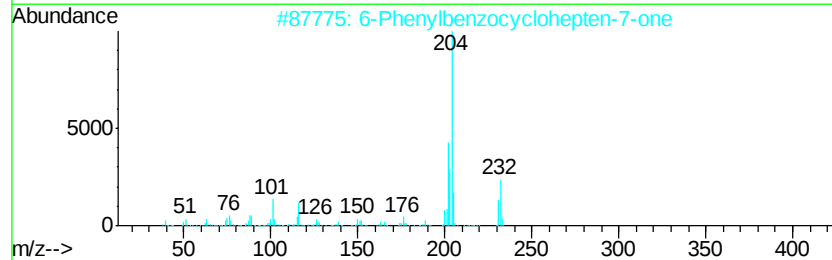
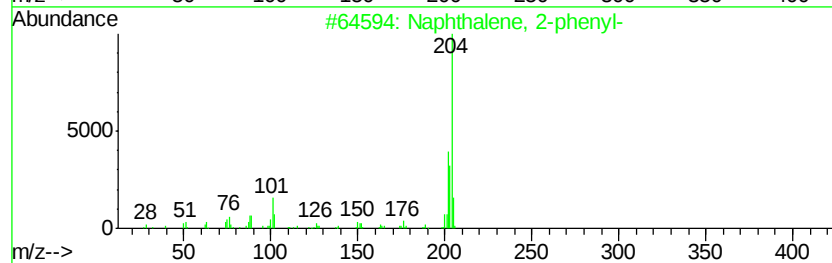
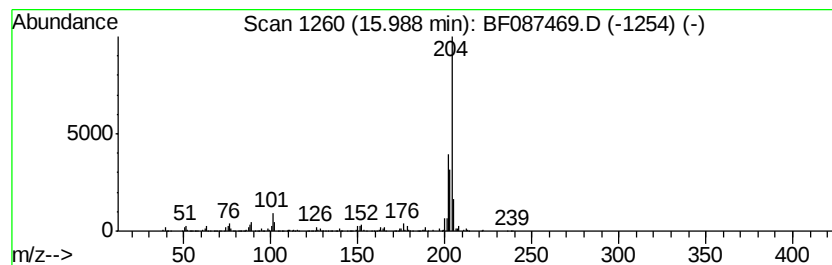
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	31.29 ng	1219460	Phenanthrene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3		5,16[1',2':8,13[1',2']-Dibenz...	408	C32H24	005672-97-9	80
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
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Acq On : 28 May 2016 6:03
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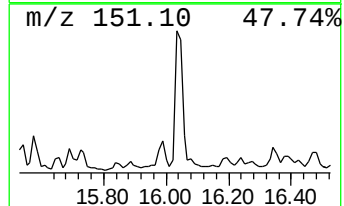
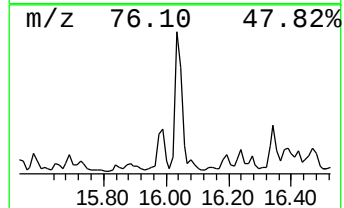
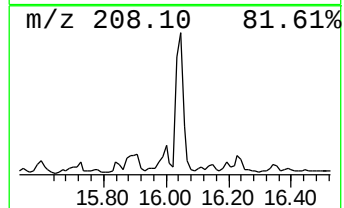
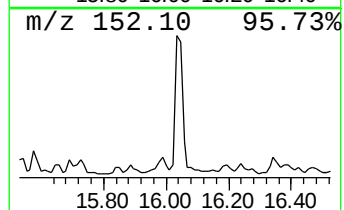
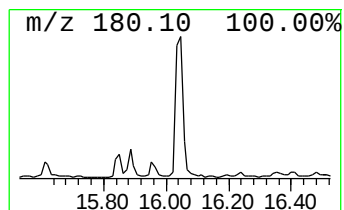
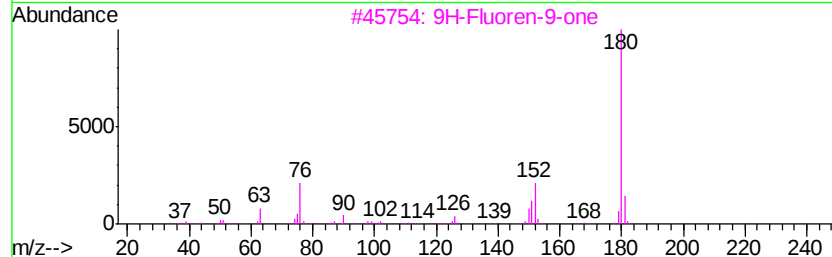
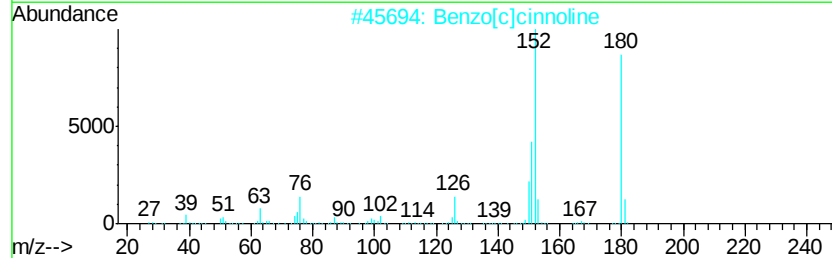
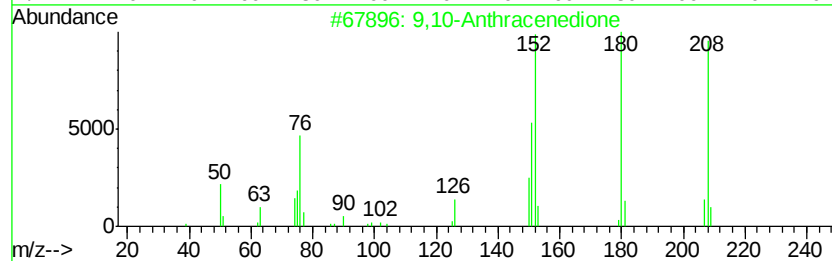
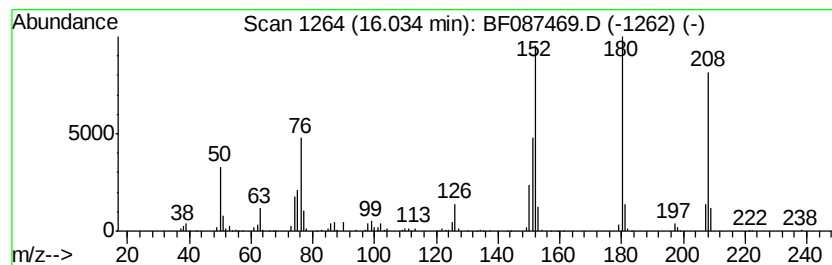
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	15.38 ng	599268	Phenanthrene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5		1,4-Anthracenedione	208	C14H8O2	000635-12-1	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
Data File : BF087469.D
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Operator : UM/SJ
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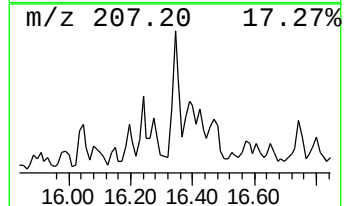
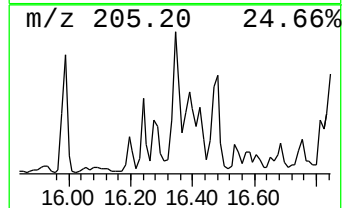
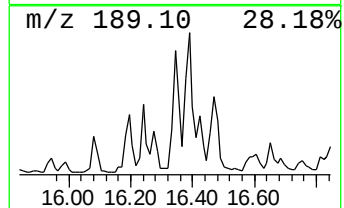
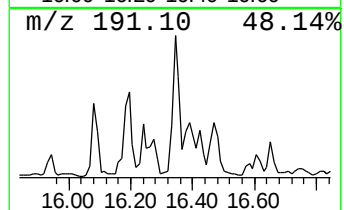
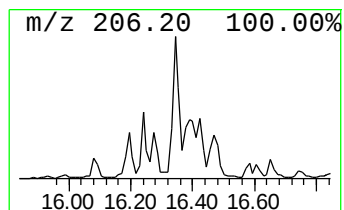
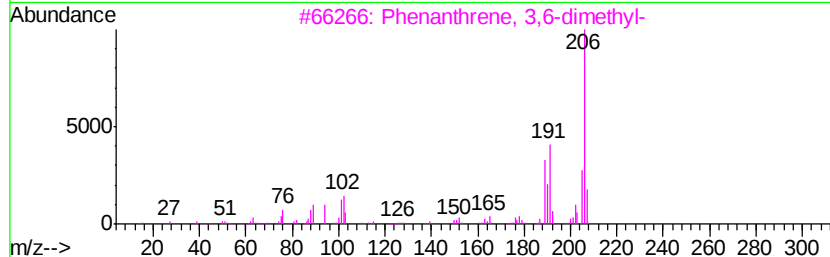
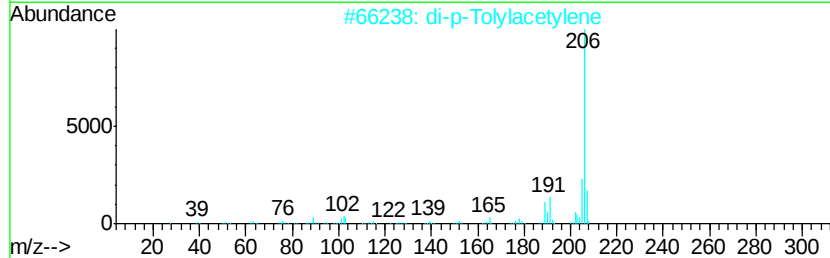
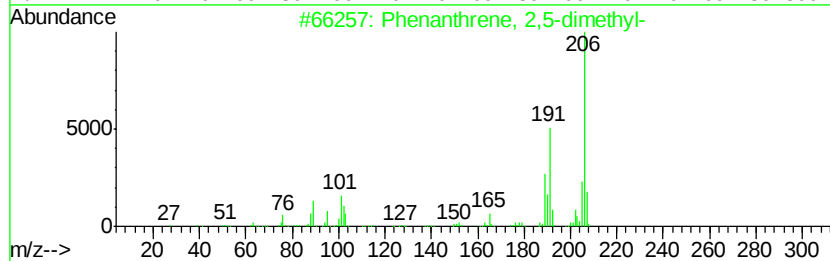
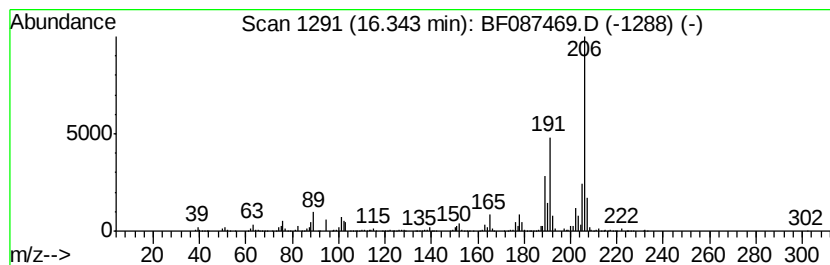
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	31.30 ng	1219830	Phenanthrene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
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Operator : UM/SJ
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ClientSampleId :
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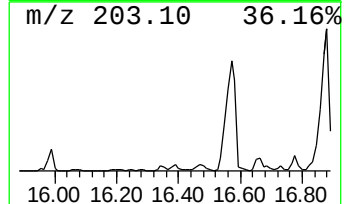
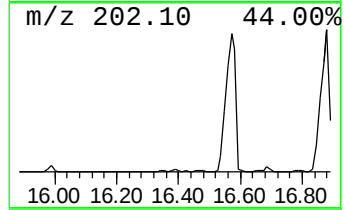
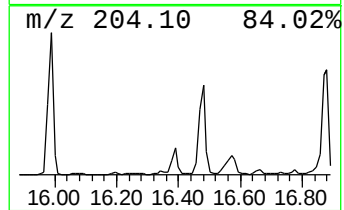
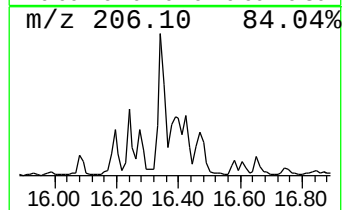
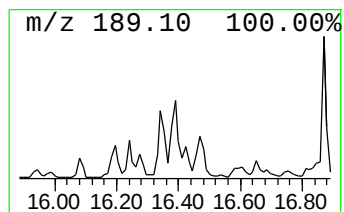
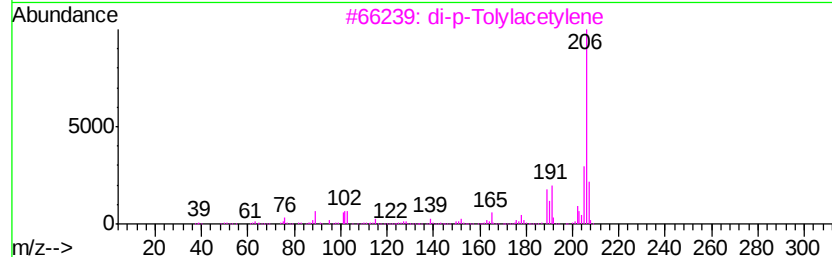
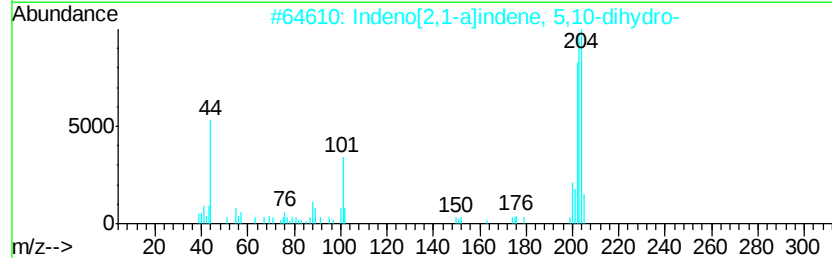
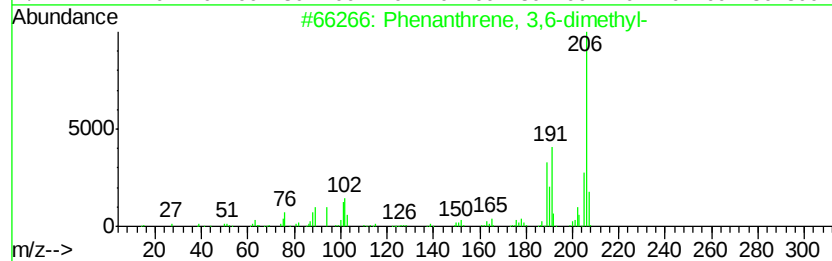
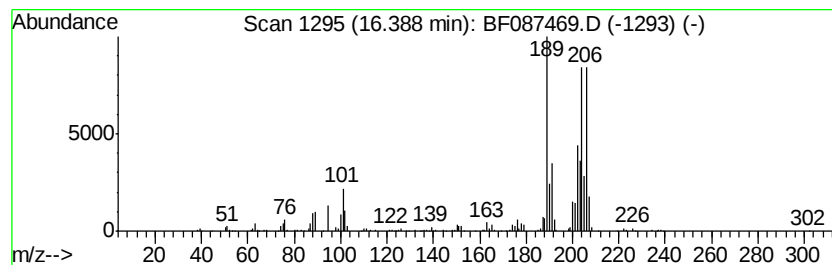
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	15.90 ng	619618	Phenanthrene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	56
2		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	38
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
Data File : BF087469.D
Acq On : 28 May 2016 6:03
Operator : UM/SJ
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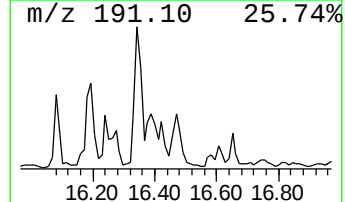
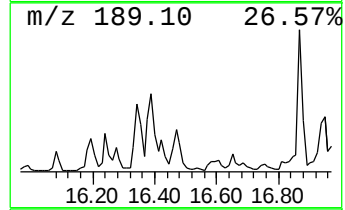
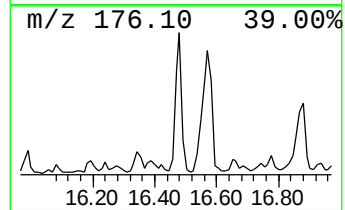
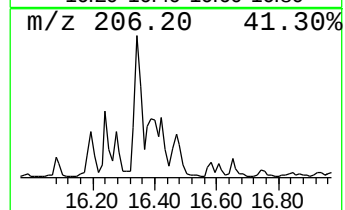
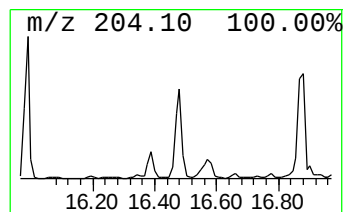
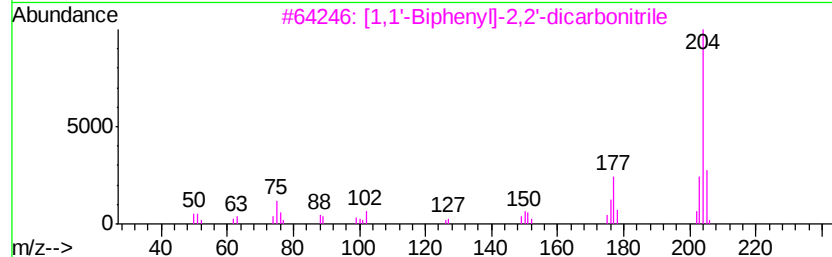
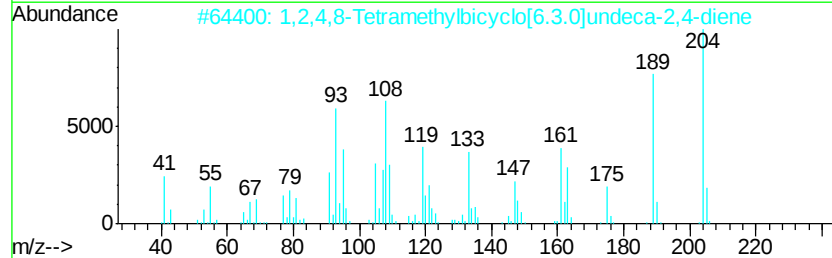
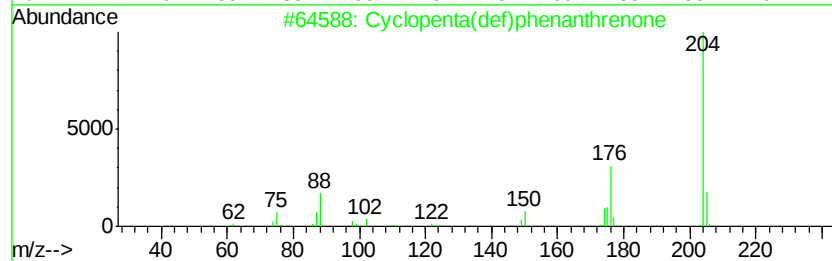
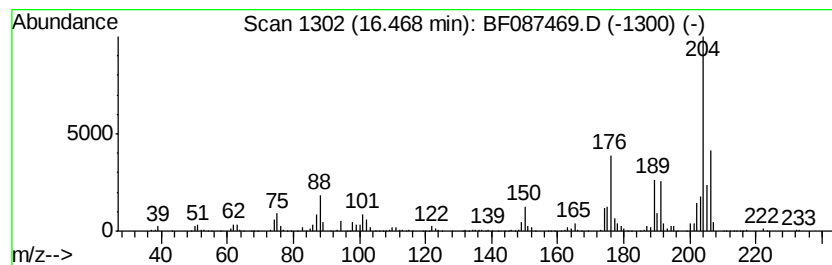
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	26.89 ng	1047990	Phenanthrene-d10	14.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	46
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5		2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087469.D
Acq On : 28 May 2016 6:03
Operator : UM/SJ
Sample : H3190-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

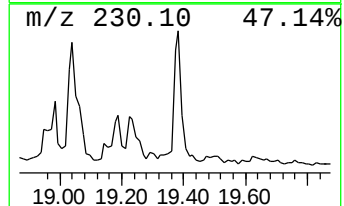
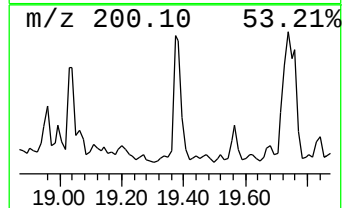
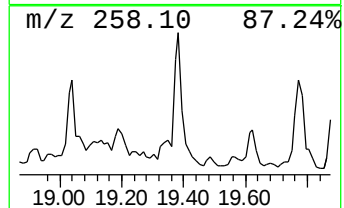
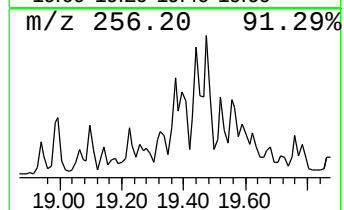
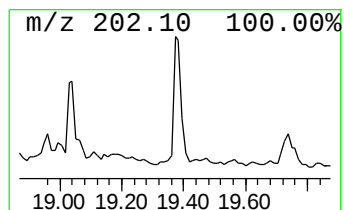
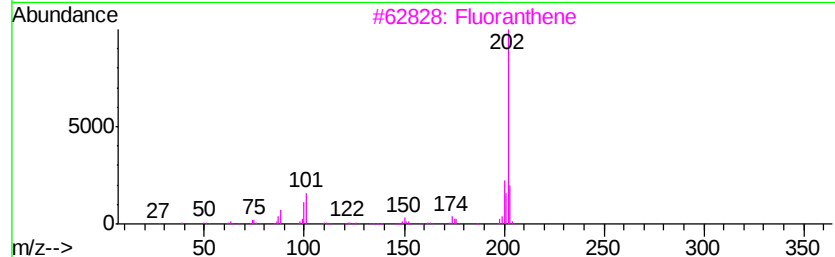
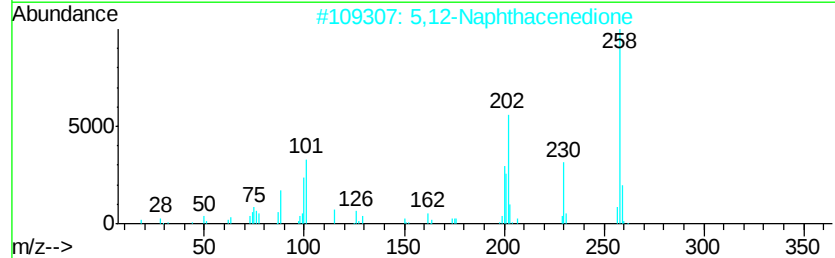
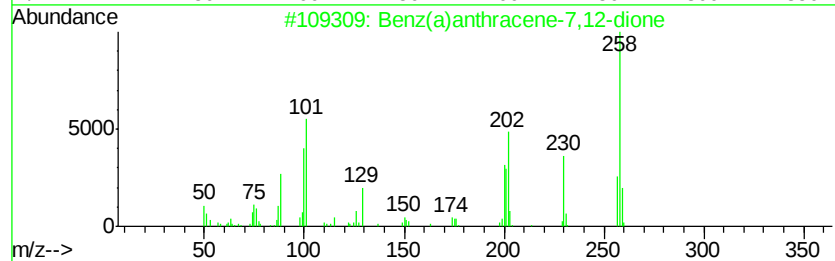
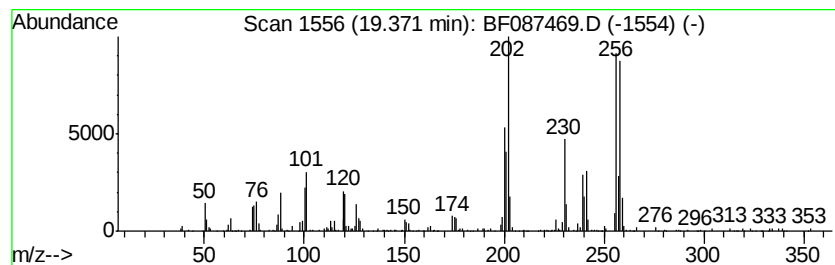
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benz(a)anthracene-7,12-dione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	18.86 ng	803305	Perylene-d12	20.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	96
2			5,12-Naphthacenedione	258	C18H10O2	001090-13-7	90
3			Fluoranthene	202	C16H10	000206-44-0	55
4			Benz[alanthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	51
5			Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
Data File : BF087469.D
Acq On : 28 May 2016 6:03
Operator : UM/SJ
Sample : H3190-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CHS-STA-1696(0-4)

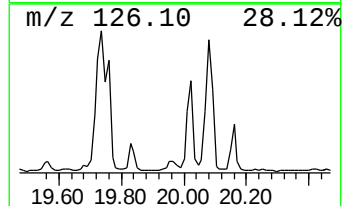
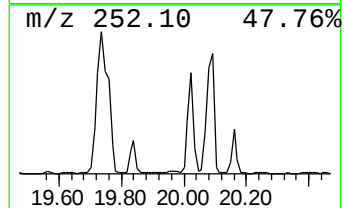
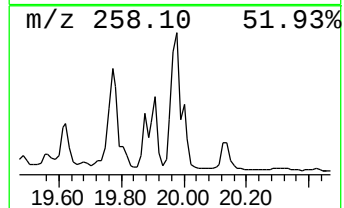
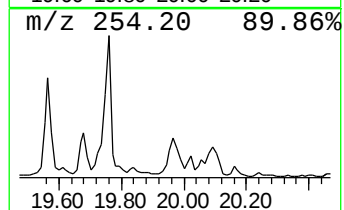
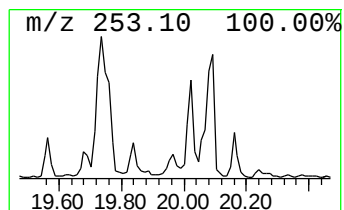
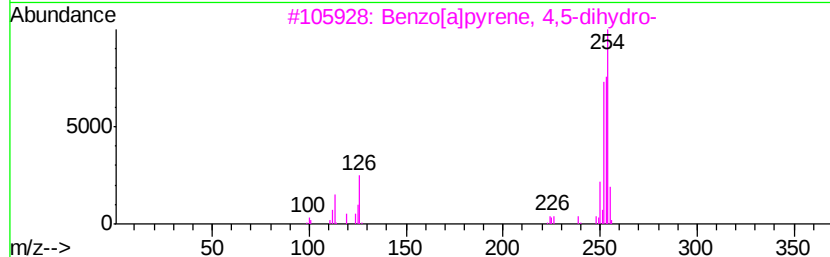
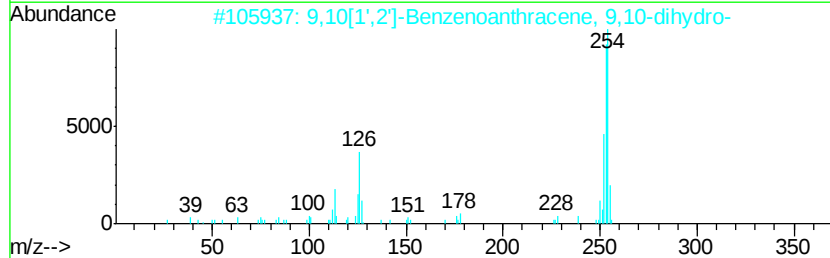
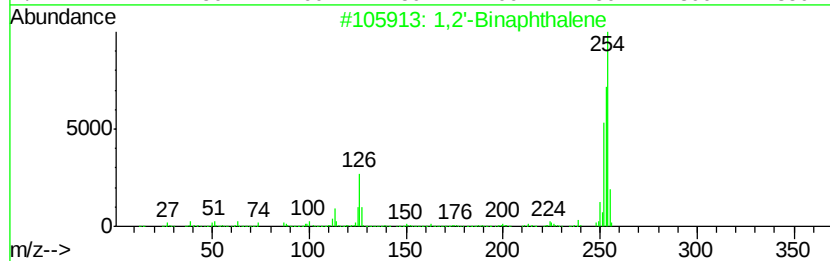
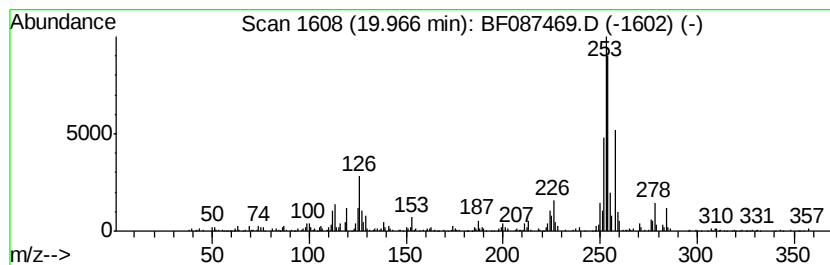
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,2'-Binaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	31.24 ng	1331080	Perylene-d12	20.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2'-Binaphthalene	254	C20H14	004325-74-0	83
2		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	78
3		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	78
4		9H-Fluorene, 9-(phenylmethyl)-	254	C20H14	001836-87-9	78
5		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
Data File : BF087469.D
Acq On : 28 May 2016 6:03
Operator : UM/SJ
Sample : H3190-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

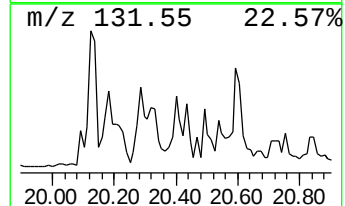
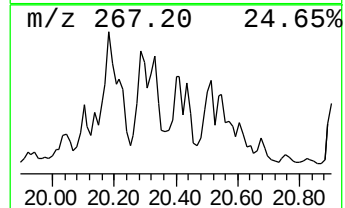
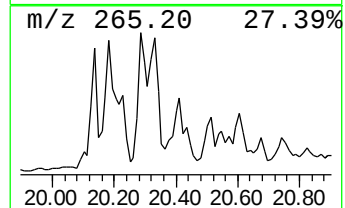
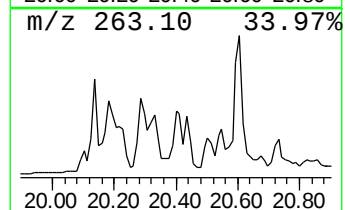
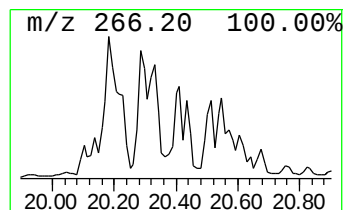
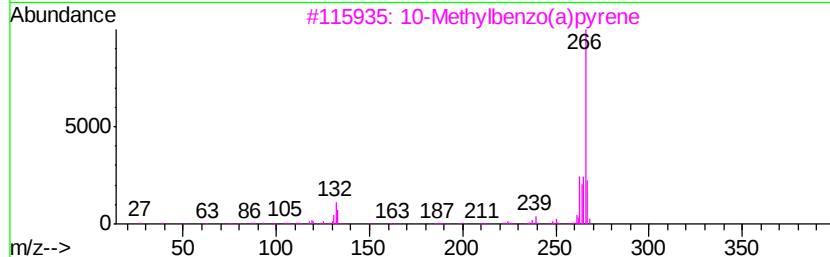
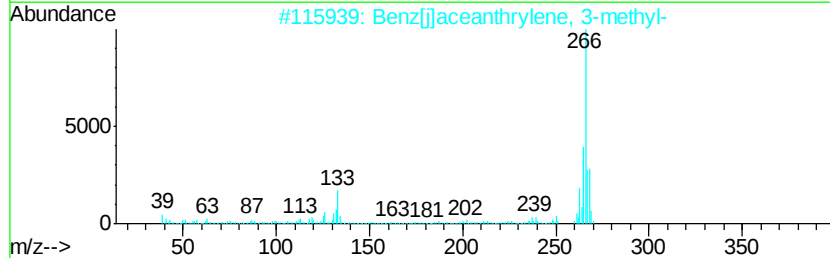
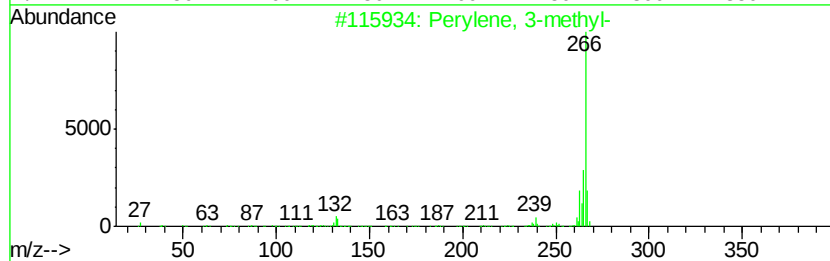
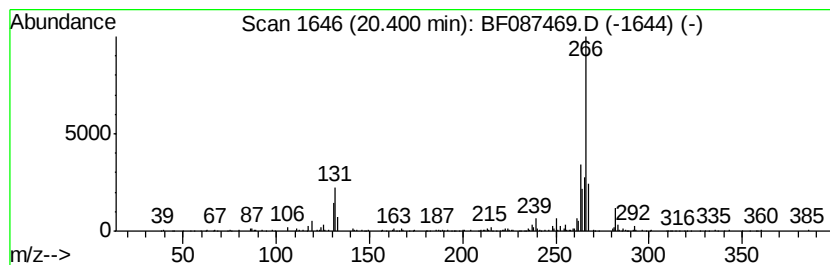
Instrument :
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ClientSampleId :
CHS-STA-1696(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Perylene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.40	14.48 ng	616706	Perylene-d12	20.14
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Perylene, 3-methyl-	266 C21H14	024471-47-4 92
2		Benz[ilaceanthrylene, 3-methyl-	266 C21H14	003343-10-0 70
3		10-Methylbenzo(a)pyrene	266 C21H14	063104-32-5 64
4		3-Chloro-6-methyl-11H-indolo[3,2...	282 C16H11ClN2O	1000212-76-7 58
5		Benzo[1,2-b:4,3-b']dithiophene, ...	266 C16H10S2	016587-58-9 53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
Data File : BF087469.D
Acq On : 28 May 2016 6:03
Operator : UM/SJ
Sample : H3190-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

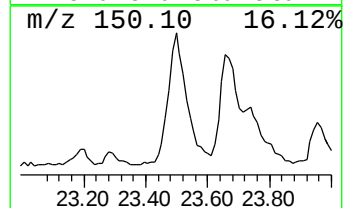
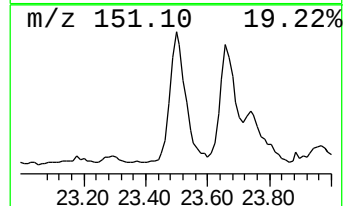
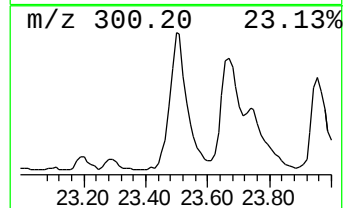
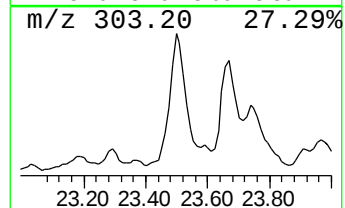
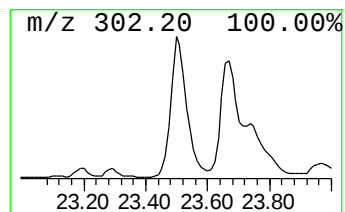
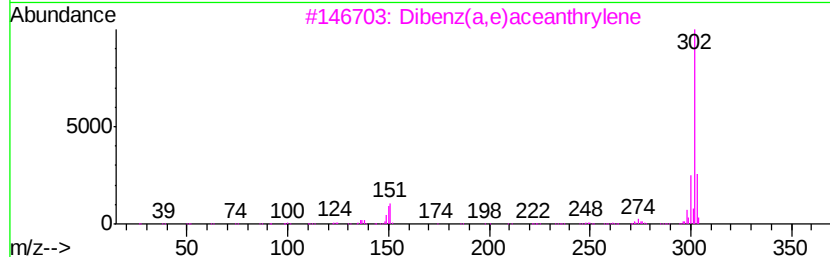
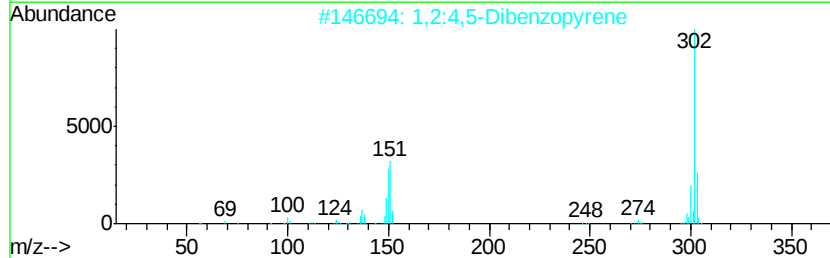
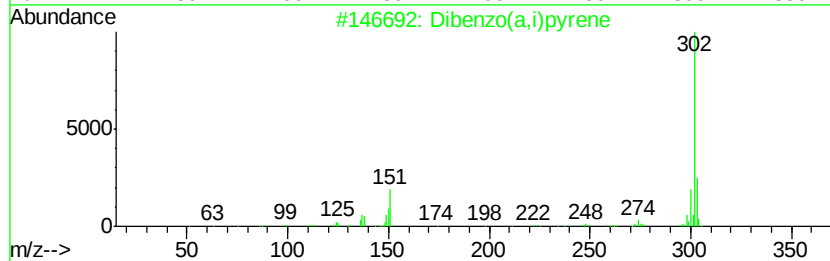
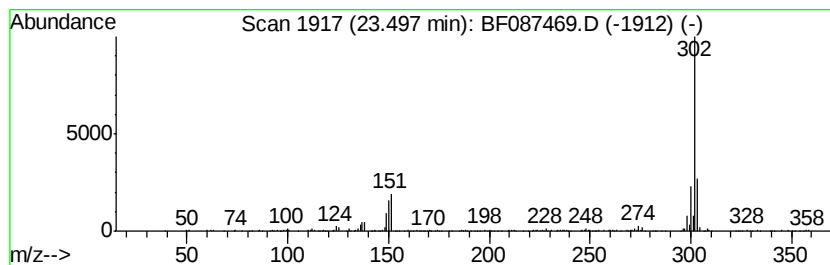
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo(a,i)pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.50	17.82 ng	759126	Perylene-d12	20.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	94
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
4		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
5		Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
 Data File : BF087469.D
 Acq On : 28 May 2016 6:03
 Operator : UM/SJ
 Sample : H3190-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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
unknown7.14	7.14	79.5	ng	2933160	1	7.48	738032	20.0
Phenanthrene, 1-m...	15.54	31.3	ng	1219900	4	14.74	779529	20.0
Phenanthrene, 2-m...	15.58	37.6	ng	1465300	4	14.74	779529	20.0
1H-Cyclopropa[l]p...	15.66	16.1	ng	626161	4	14.74	779529	20.0
Anthracene, 1-met...	15.69	54.7	ng	2132680	4	14.74	779529	20.0
Naphthalene, 2-ph...	15.99	31.3	ng	1219460	4	14.74	779529	20.0
9,10-Anthracenedione	16.03	15.4	ng	599268	4	14.74	779529	20.0
Phenanthrene, 2,5...	16.34	31.3	ng	1219830	4	14.74	779529	20.0
Phenanthrene, 3,6...	16.39	15.9	ng	619618	4	14.74	779529	20.0
Cyclopenta(def)ph...	16.47	26.9	ng	1047990	4	14.74	779529	20.0
Benz(a)anthracene...	19.37	18.9	ng	803305	6	20.14	852058	20.0
1,2'-Binaphthalene	19.97	31.2	ng	1331080	6	20.14	852058	20.0
Perylene, 3-methyl-	20.40	14.5	ng	616706	6	20.14	852058	20.0
Dibenzo(a,i)pyrene	23.50	17.8	ng	759126	6	20.14	852058	20.0