

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
 Data File : BF087380.D
 Acq On : 25 May 2016 19:35
 Operator : UM/SJ
 Sample : H3211-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TA-1320-(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	1.644	4	5	41	rVB	3548894	6451236	90.60%	5.353%
2	5.416	332	335	345	rBV	1560191	2855499	40.10%	2.369%
3	7.062	477	479	486	rVV	2122252	3038074	42.67%	2.521%
4	7.176	486	489	493	rVV	1953454	3155184	44.31%	2.618%
5	7.519	516	519	523	rBV	571678	757808	10.64%	0.629%
6	7.759	537	540	542	rBV	1495279	2339288	32.85%	1.941%
7	8.433	596	599	601	rBV	1530493	2017623	28.34%	1.674%
8	9.542	693	696	698	rBV	684489	990640	13.91%	0.822%
9	9.576	698	699	702	rVV	410686	496660	6.98%	0.412%
10	10.708	796	798	802	rVB	417065	490779	6.89%	0.407%
11	10.856	808	811	815	rBV	301241	462371	6.49%	0.384%
12	11.325	849	852	855	rVB	2361633	3118227	43.79%	2.587%
13	11.839	891	897	899	rBV	228572	381907	5.36%	0.317%
14	12.022	910	913	915	rVV2	384331	630832	8.86%	0.523%
15	12.148	921	924	927	rBV	1249992	1573663	22.10%	1.306%
16	12.376	941	944	951	rBV3	707224	1347561	18.93%	1.118%
17	12.708	971	973	978	rVV2	165126	401285	5.64%	0.333%
18	12.914	986	991	993	rBV4	164752	291602	4.10%	0.242%
19	13.211	1014	1017	1019	rBV2	237187	405498	5.69%	0.336%
20	13.268	1019	1022	1026	rVB	271981	450672	6.33%	0.374%
21	13.531	1043	1045	1051	rVV3	151742	525377	7.38%	0.436%
22	13.668	1054	1057	1060	rVV	1326379	1859800	26.12%	1.543%
23	14.011	1083	1087	1089	rBV2	376897	770476	10.82%	0.639%
24	14.388	1118	1120	1122	rBV2	218088	346811	4.87%	0.288%
25	14.479	1127	1128	1132	rVB2	171082	306926	4.31%	0.255%
26	14.777	1151	1154	1155	rBV	565130	807397	11.34%	0.670%
27	14.811	1155	1157	1160	rVB	1631560	2222914	31.22%	1.844%
28	14.891	1160	1164	1167	rBV	949386	1438261	20.20%	1.193%
29	14.994	1167	1173	1174	rBV5	143684	283123	3.98%	0.235%
30	15.188	1187	1190	1191	rBV	277068	363889	5.11%	0.302%
31	15.565	1220	1223	1225	rBV	520106	595408	8.36%	0.494%
32	15.611	1225	1227	1231	rVB	653462	866483	12.17%	0.719%
33	15.680	1231	1233	1234	rBV	367242	416492	5.85%	0.346%
34	15.714	1234	1236	1238	rVV2	591843	911467	12.80%	0.756%

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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

35	15.760	1238	1240	1245	rVB2	502702	859162	12.07%	0.713%
36	16.011	1259	1262	1264	rVV2	385023	639447	8.98%	0.531%
37	16.057	1264	1266	1270	rVB	384643	528746	7.43%	0.439%
38	16.262	1282	1284	1286	rVV2	204763	309941	4.35%	0.257%
39	16.365	1291	1293	1295	rBV	509599	857237	12.04%	0.711%
40	16.411	1295	1297	1299	rVV	280011	533515	7.49%	0.443%
41	16.445	1299	1300	1302	rVV2	310268	336393	4.72%	0.279%
42	16.491	1302	1304	1307	rVB	616689	789478	11.09%	0.655%
43	16.594	1307	1313	1315	rBV	4485185	6781503	95.24%	5.627%
44	16.674	1318	1320	1322	rBV	293747	512941	7.20%	0.426%
45	16.708	1322	1323	1327	rVB	680569	688704	9.67%	0.571%
46	16.811	1327	1332	1335	rBV3	305896	799938	11.23%	0.664%
47	16.891	1335	1339	1341	rBV	3957879	6537095	91.81%	5.424%
48	16.960	1341	1345	1347	rBV3	268401	457530	6.43%	0.380%
49	16.994	1347	1348	1351	rVB	236724	306483	4.30%	0.254%
50	17.063	1351	1354	1356	rBV2	602235	813331	11.42%	0.675%
51	17.131	1357	1360	1362	rVB	1996994	2307580	32.41%	1.915%
52	17.200	1362	1366	1372	rVB3	570888	1318752	18.52%	1.094%
53	17.314	1373	1376	1377	rBV2	626571	1114899	15.66%	0.925%
54	17.348	1377	1379	1382	rVB	876988	1087580	15.27%	0.902%
55	17.428	1384	1386	1388	rVB	424947	532983	7.49%	0.442%
56	17.474	1388	1390	1396	rBV2	1021252	2007962	28.20%	1.666%
57	17.565	1396	1398	1399	rBV2	189543	284502	4.00%	0.236%
58	17.588	1399	1400	1402	rVB	387979	494241	6.94%	0.410%
59	17.805	1416	1419	1421	rVB	591562	849245	11.93%	0.705%
60	17.863	1421	1424	1425	rBV2	227560	448891	6.30%	0.372%
61	17.988	1430	1435	1436	rBV4	174173	502661	7.06%	0.417%
62	18.023	1436	1438	1441	rVB	960282	1215039	17.06%	1.008%
63	18.148	1447	1449	1450	rBV	576745	825863	11.60%	0.685%
64	18.183	1450	1452	1453	rVV2	544214	711119	9.99%	0.590%
65	18.217	1453	1455	1456	rVV	374893	476518	6.69%	0.395%
66	18.240	1456	1457	1460	rVB2	424602	541006	7.60%	0.449%
67	18.308	1460	1463	1465	rBV	830763	1140565	16.02%	0.946%
68	18.388	1467	1470	1472	rBV2	178636	337147	4.73%	0.280%
69	18.480	1474	1478	1479	rBV	2801704	5226183	73.40%	4.336%
70	18.526	1479	1482	1484	rVV	3104355	4798829	67.40%	3.982%
71	18.674	1494	1495	1500	rVB3	457664	778682	10.94%	0.646%

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Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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72	18.743	1500	1501	1503	rVB	348425	414188	5.82%	0.344%
73	18.788	1503	1505	1508	rVB3	375633	547188	7.68%	0.454%
74	18.834	1508	1509	1513	rBV2	154302	334911	4.70%	0.278%
75	18.937	1516	1518	1519	rBV	246733	350049	4.92%	0.290%
76	18.983	1519	1522	1524	rBV	869328	1184249	16.63%	0.983%
77	19.017	1524	1525	1527	rVB	405626	390568	5.49%	0.324%
78	19.051	1527	1528	1530	rBV2	223862	281971	3.96%	0.234%
79	19.097	1530	1532	1533	rVB	346354	445805	6.26%	0.370%
80	19.131	1533	1535	1537	rBV2	403798	758686	10.66%	0.630%
81	19.234	1542	1544	1547	rVB2	232157	368116	5.17%	0.305%
82	19.394	1556	1558	1562	rVB3	288191	534821	7.51%	0.444%
83	19.577	1570	1574	1577	rBV2	576111	1005781	14.13%	0.835%
84	19.703	1582	1585	1586	rBV2	224308	355567	4.99%	0.295%
85	19.760	1586	1590	1594	rBV2	2749597	7120388	100.00%	5.908%
86	19.851	1597	1598	1600	rVB2	743392	915448	12.86%	0.760%
87	19.943	1604	1606	1612	rVB5	313817	860675	12.09%	0.714%
88	20.034	1612	1614	1618	rBV	1377759	2463101	34.59%	2.044%
89	20.103	1618	1620	1623	rVV	2055733	2522298	35.42%	2.093%
90	20.183	1625	1627	1630	rVB2	506103	736837	10.35%	0.611%
91	20.400	1644	1646	1650	rBV3	306791	594904	8.35%	0.494%
92	21.131	1707	1710	1712	rVB2	191700	318669	4.48%	0.264%
93	21.212	1715	1717	1718	rBV2	184193	279553	3.93%	0.232%
94	21.383	1728	1732	1735	rBV	1079237	1875847	26.34%	1.556%
95	21.520	1741	1744	1746	rBV	232086	497866	6.99%	0.413%
96	21.566	1746	1748	1751	rVB2	187086	311344	4.37%	0.258%
97	21.737	1760	1763	1767	rVB	616915	1074407	15.09%	0.891%
98	21.932	1778	1780	1787	rVB2	221834	553866	7.78%	0.460%
99	23.532	1915	1920	1929	rVB2	209380	809514	11.37%	0.672%
100	23.692	1930	1934	1938	rBV	144276	488451	6.86%	0.405%

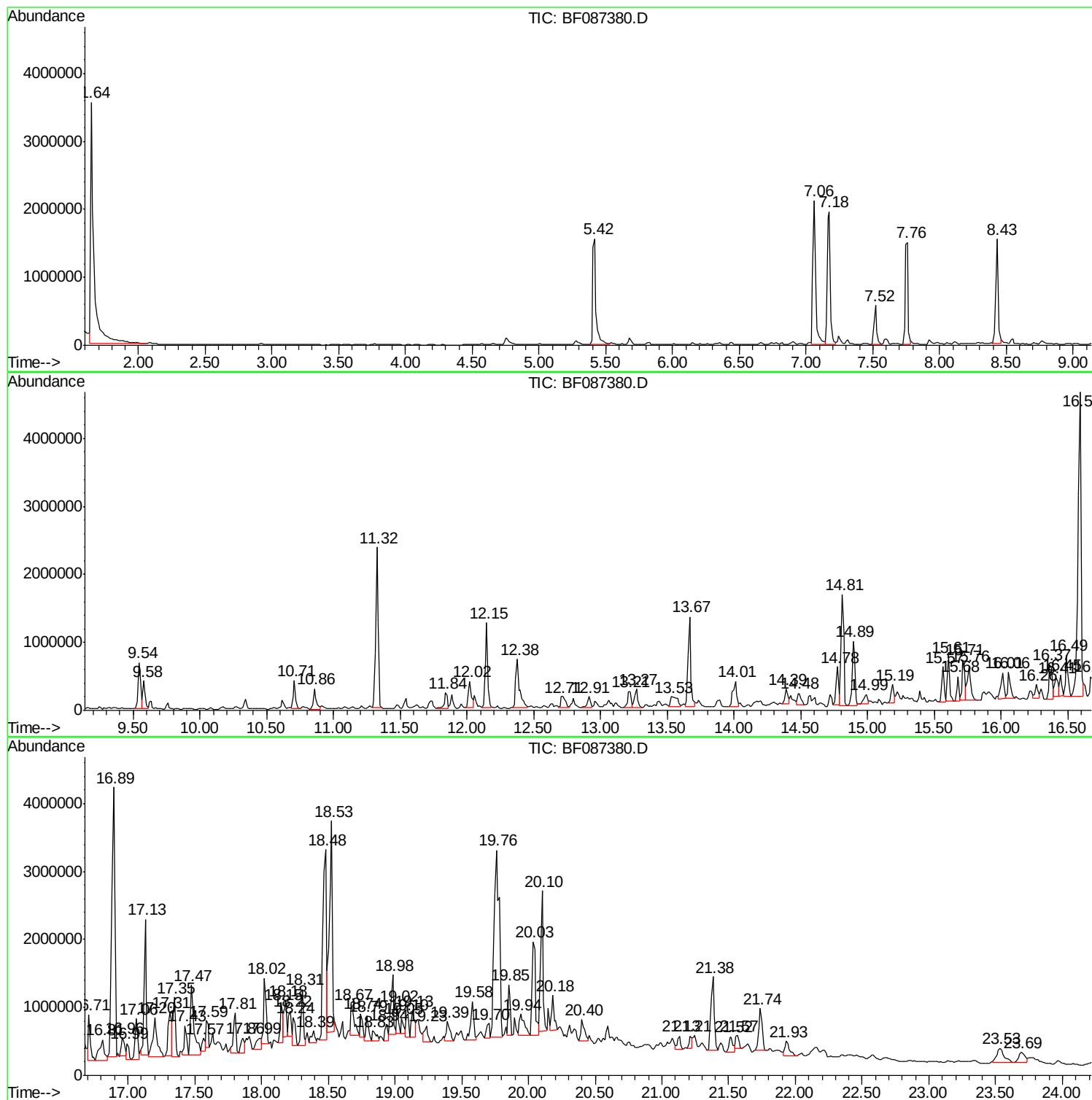
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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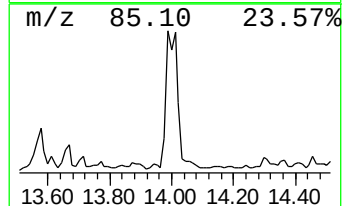
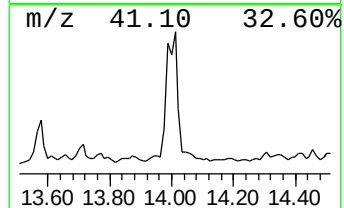
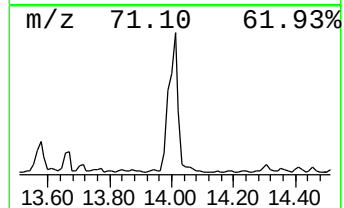
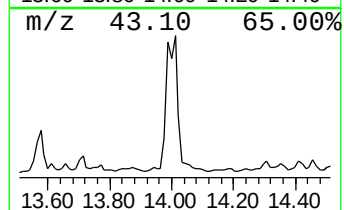
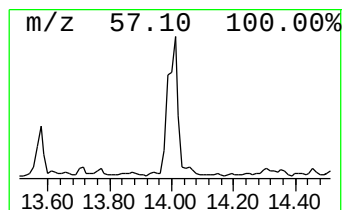
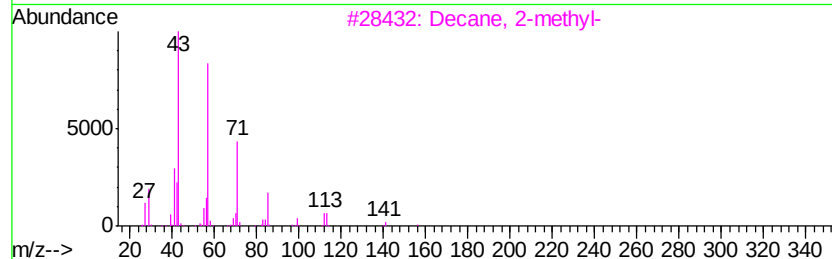
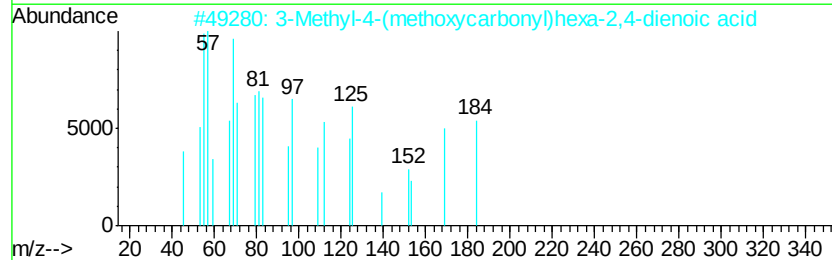
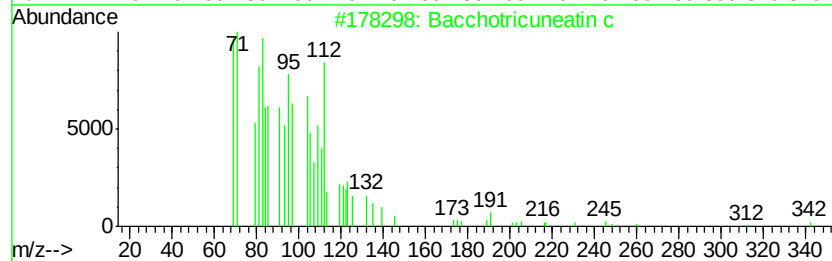
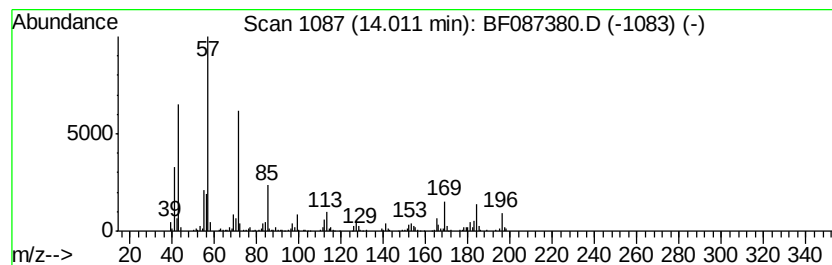
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Bacchotricuneatin c Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	19.09 ng	770476	Phenanthrene-d10	14.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	95
2		3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	83
3		Decane, 2-methyl-	156	C11H24	006975-98-0	68
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64



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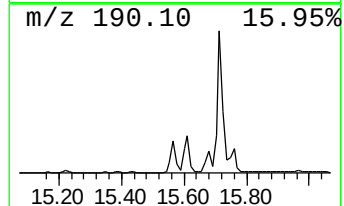
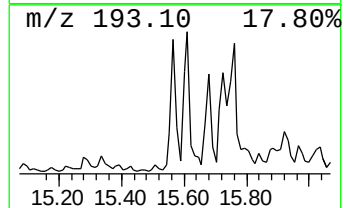
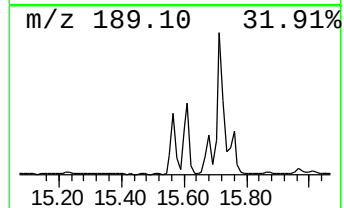
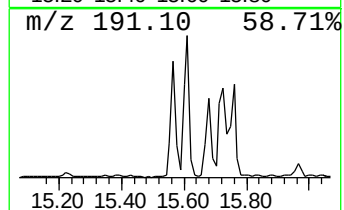
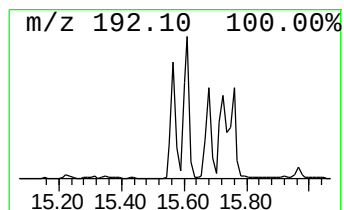
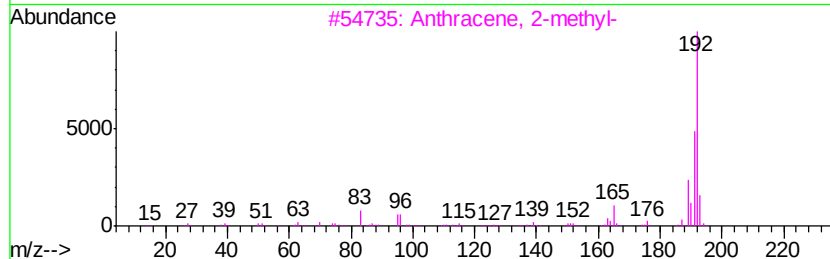
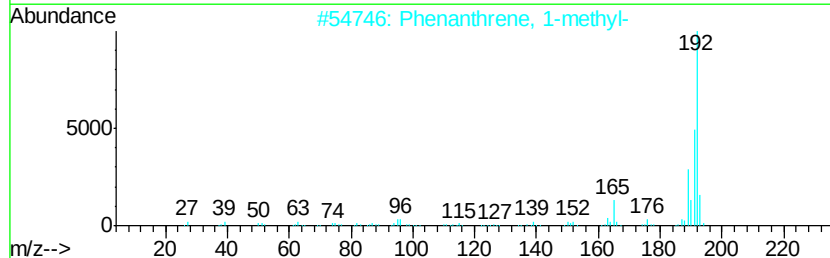
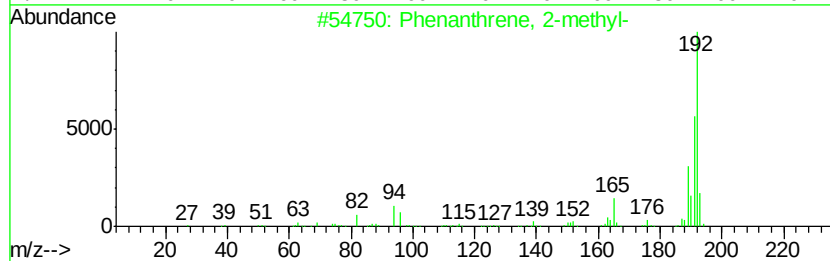
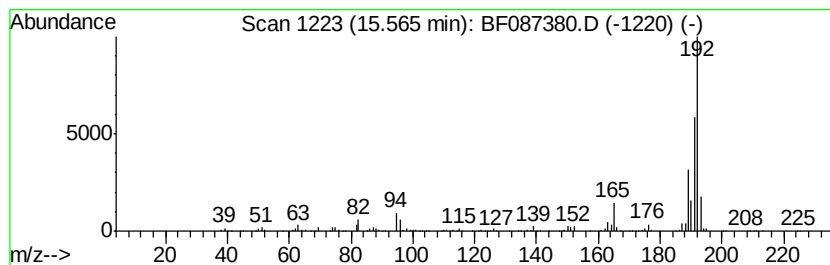
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	14.75 ng	595408	Phenanthrene-d10	14.78

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	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95



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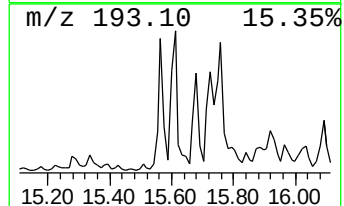
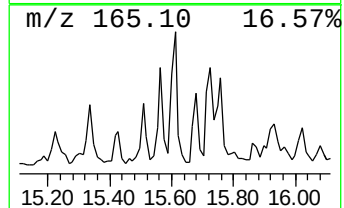
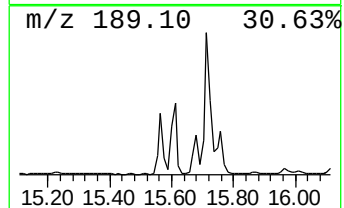
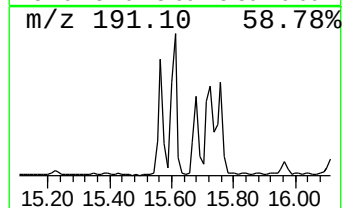
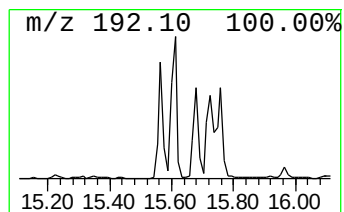
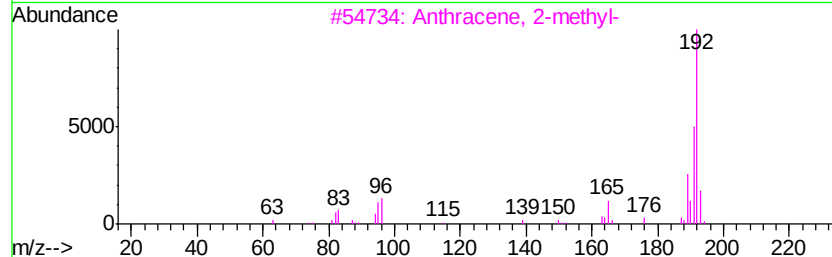
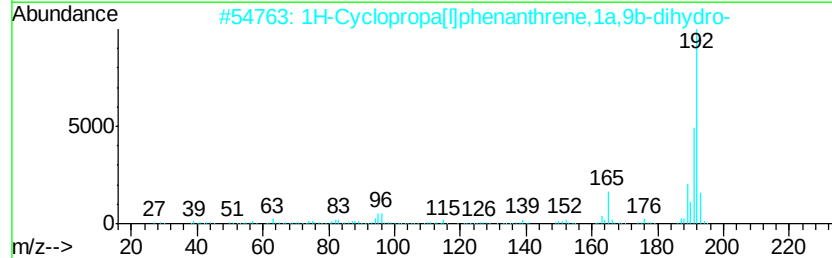
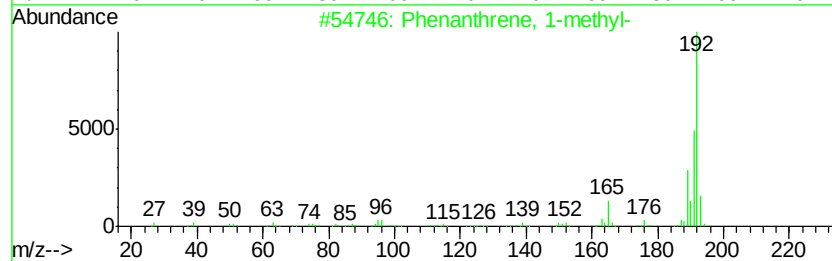
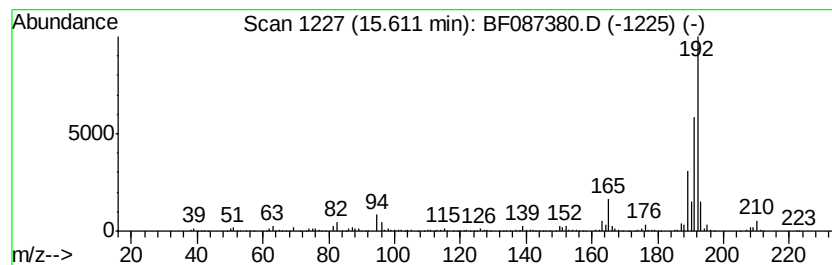
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.61	21.46 ng	866483	Phenanthrene-d10	14.78	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
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Operator : UM/SJ
Sample : H3211-10
Misc :
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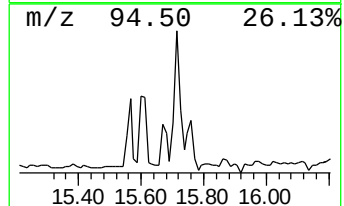
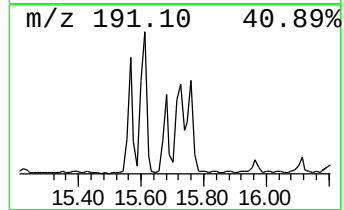
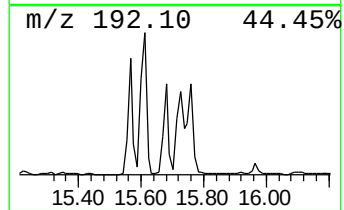
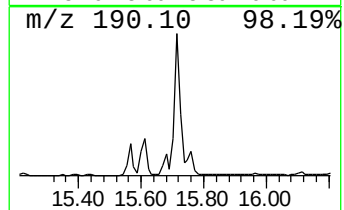
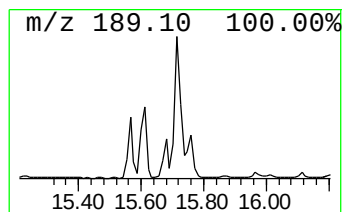
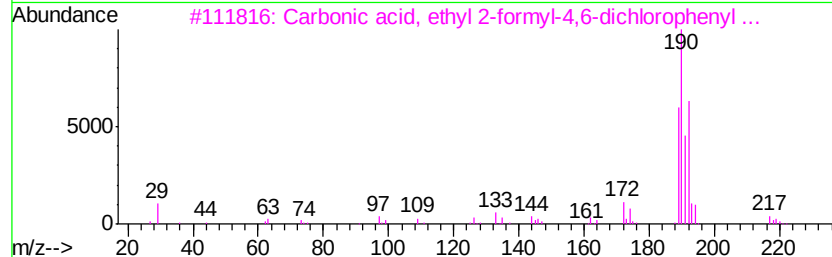
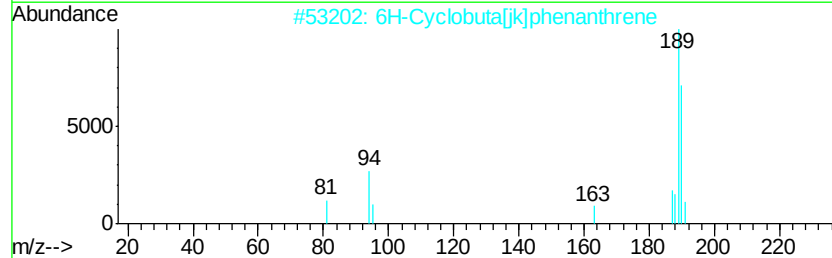
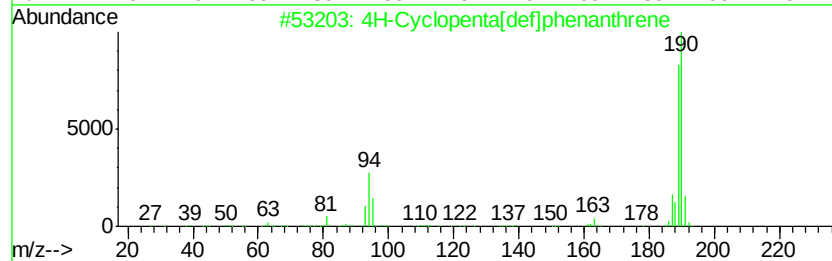
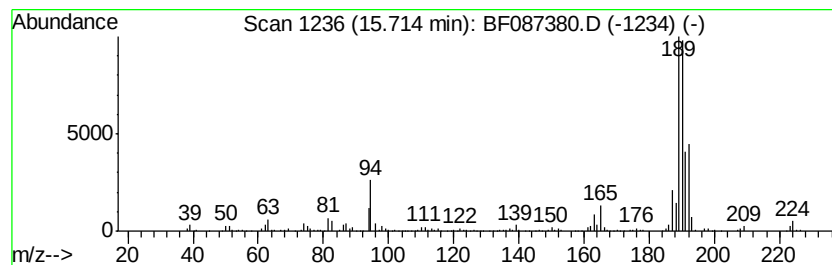
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.71	22.58 ng	911467	Phenanthrene-d10	14.78	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	58
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087380.D
Acq On : 25 May 2016 19:35
Operator : UM/SJ
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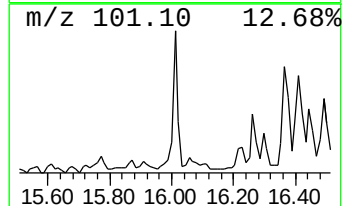
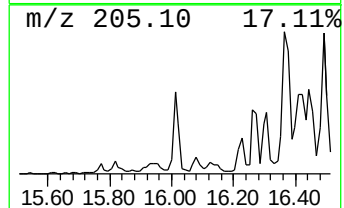
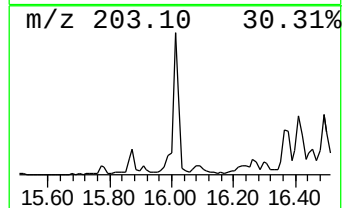
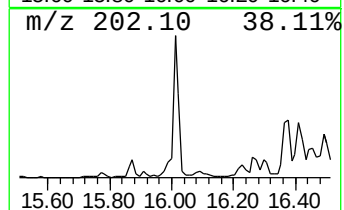
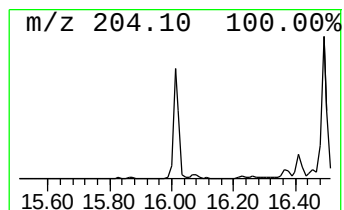
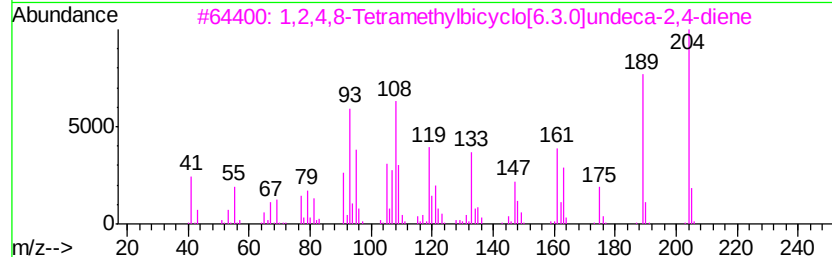
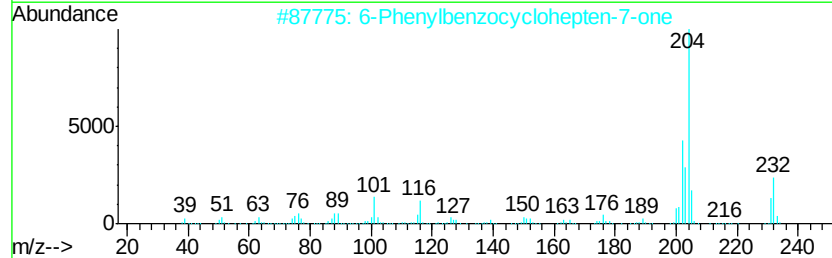
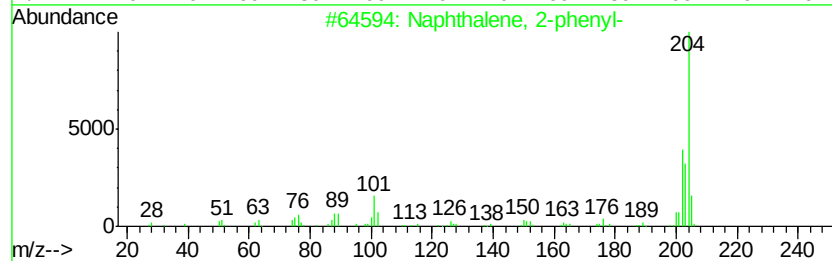
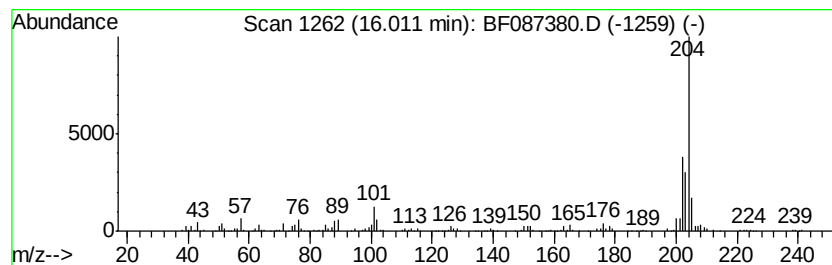
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	15.84 ng	639447	Phenanthrene-d10	14.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	89
4		5,16[1',2']-8,13[1'',2'']-Dibenz[1,2-b:4,5-b']diphenyl-1,3,5-trisubstituted	408	C32H24	005672-97-9	86
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
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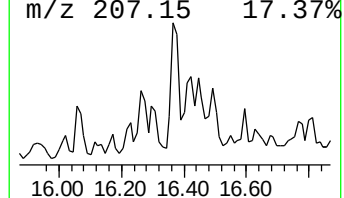
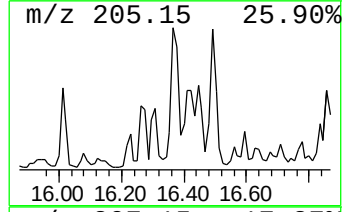
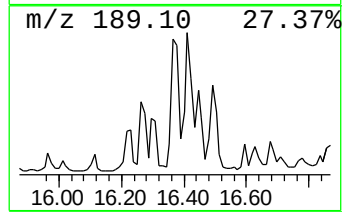
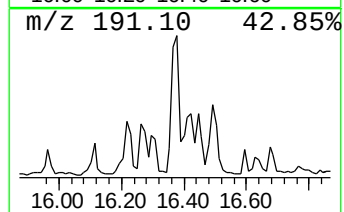
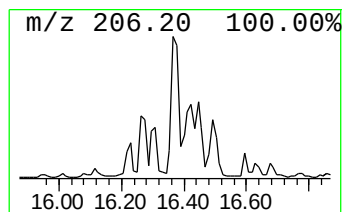
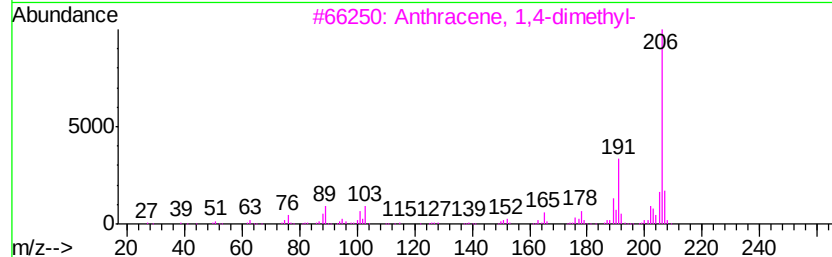
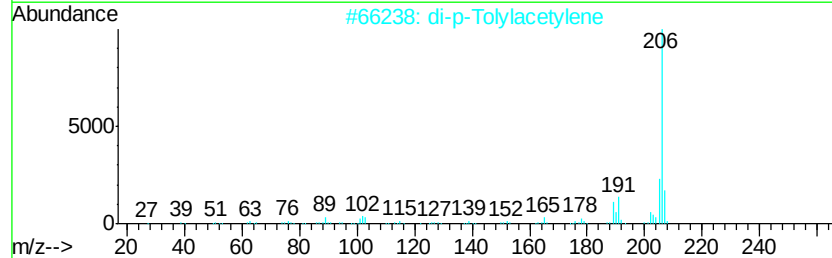
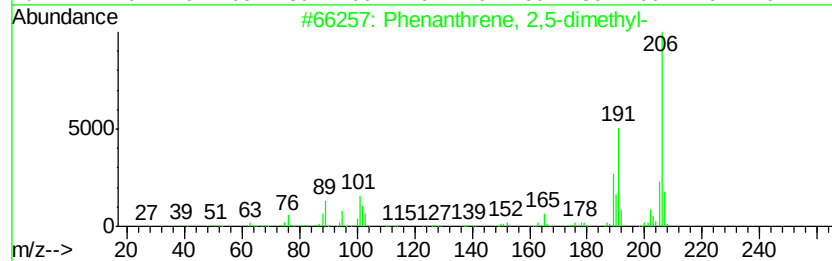
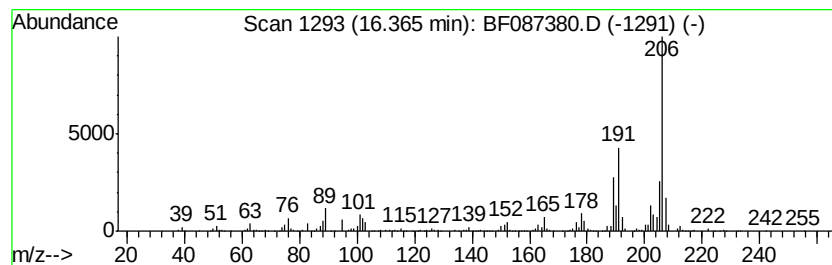
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.37	21.23 ng	857237	Phenanthrene-d10		14.78
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087380.D
Acq On : 25 May 2016 19:35
Operator : UM/SJ
Sample : H3211-10
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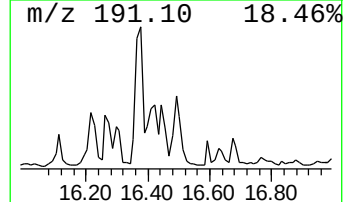
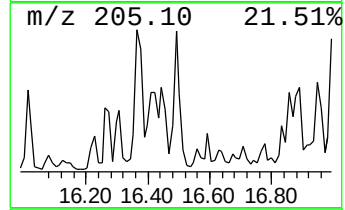
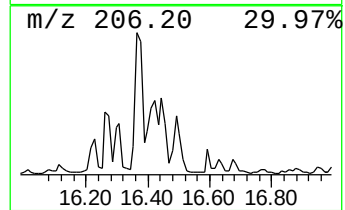
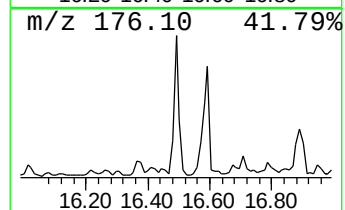
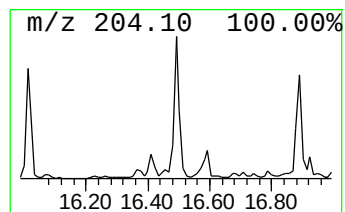
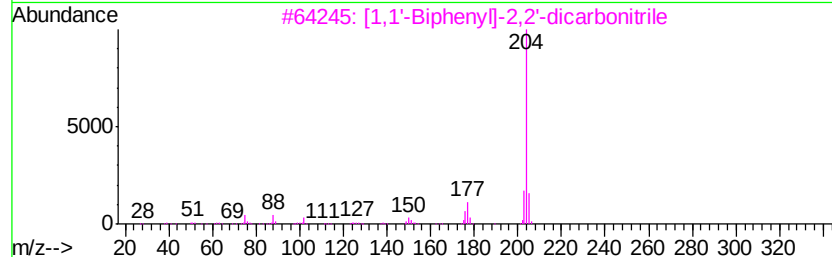
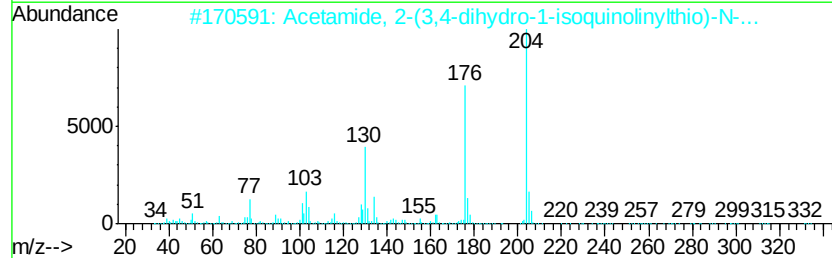
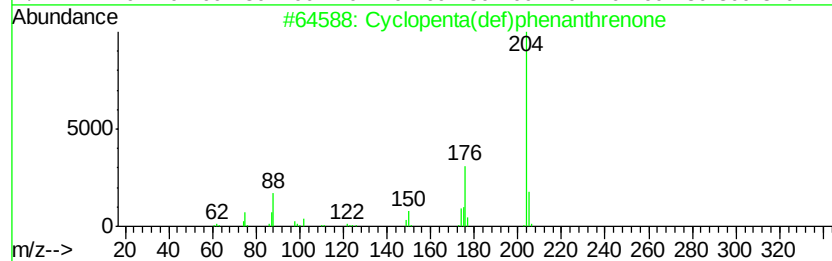
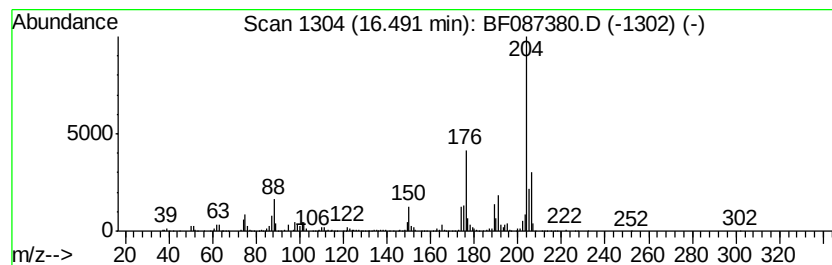
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	19.56 ng	789478	Phenanthrene-d10	14.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	50
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087380.D
Acq On : 25 May 2016 19:35
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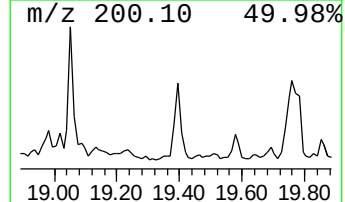
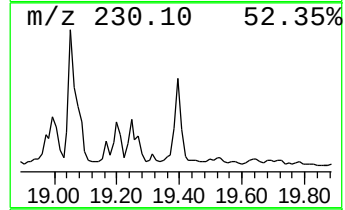
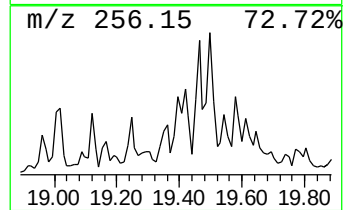
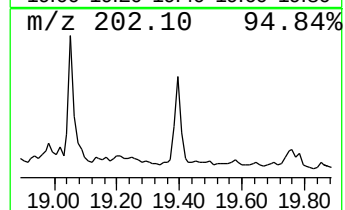
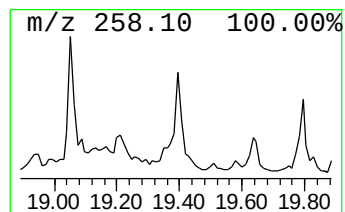
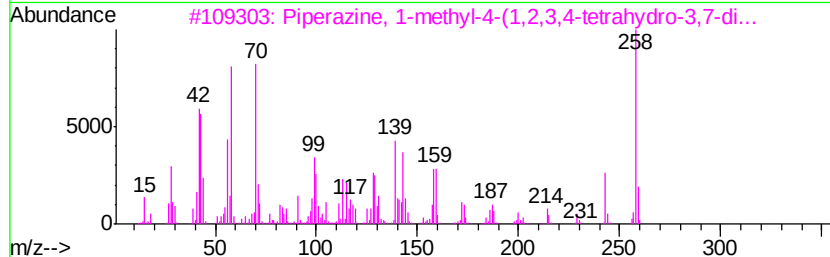
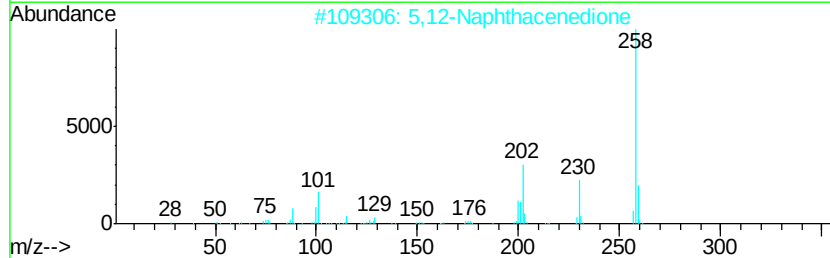
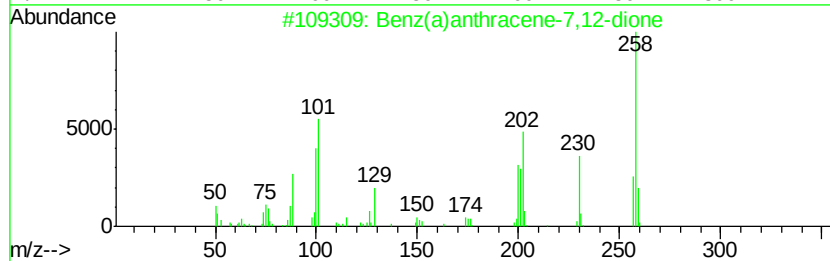
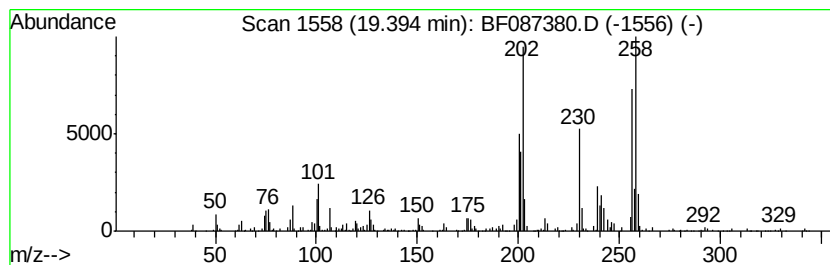
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benz(a)anthracene-7,12-dione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	14.52 ng	534821	Perylene-d12	20.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	96
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	94
3		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
4		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	84
5		6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087380.D
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ALS Vial : 15 Sample Multiplier: 1

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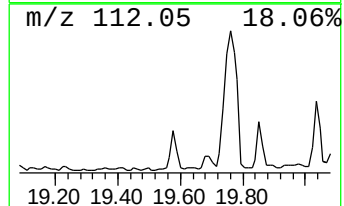
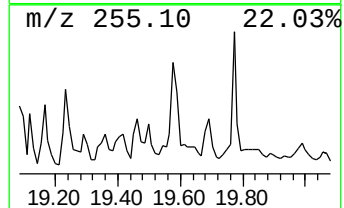
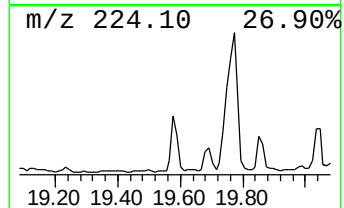
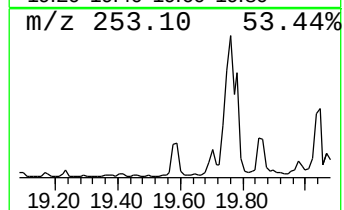
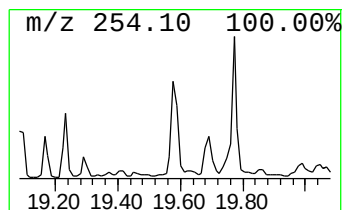
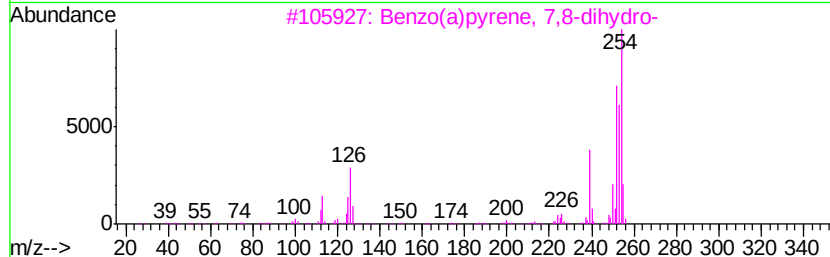
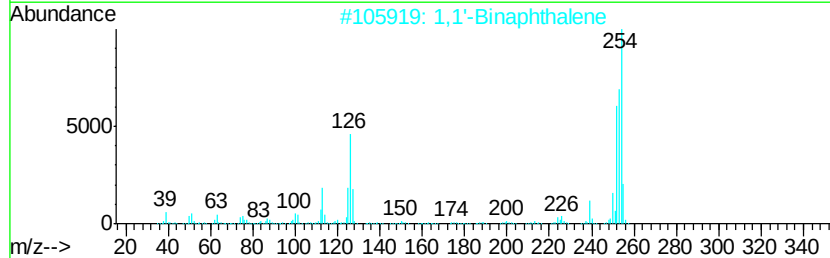
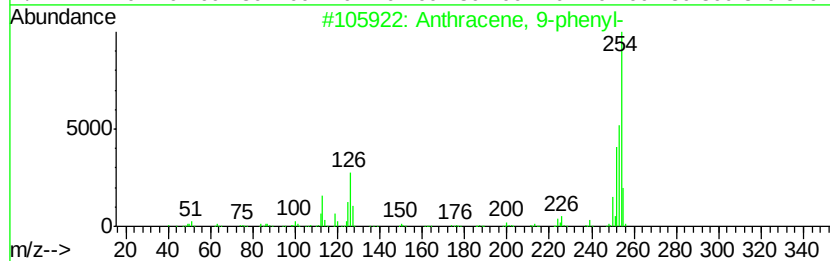
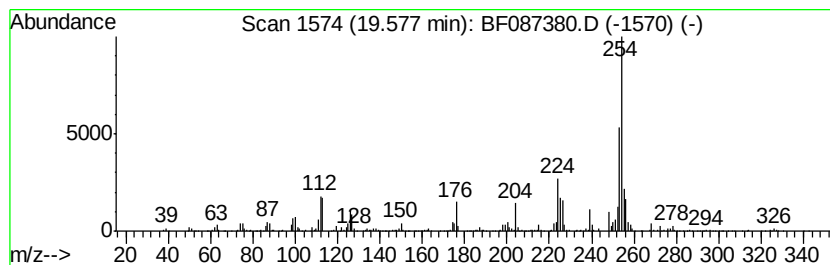
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 9-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.58	27.30 ng	1005780	Perylene-d12	20.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
2		1,1'-Binaphthalene	254	C20H14	000604-53-5	62
3		Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	58
4		Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	53
5		1,2'-Binaphthalene	254	C20H14	004325-74-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087380.D
Acq On : 25 May 2016 19:35
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ClientSampleId :
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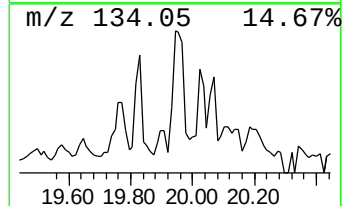
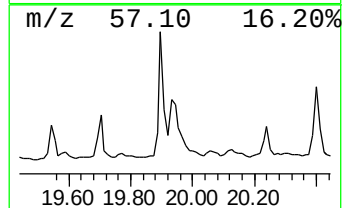
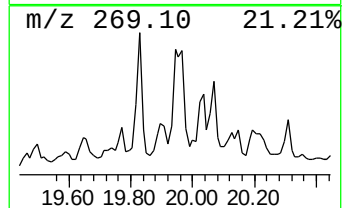
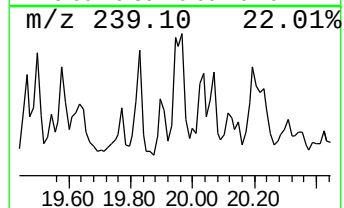
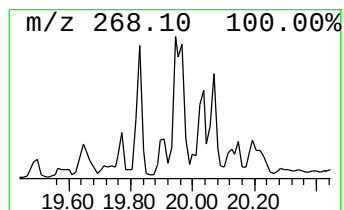
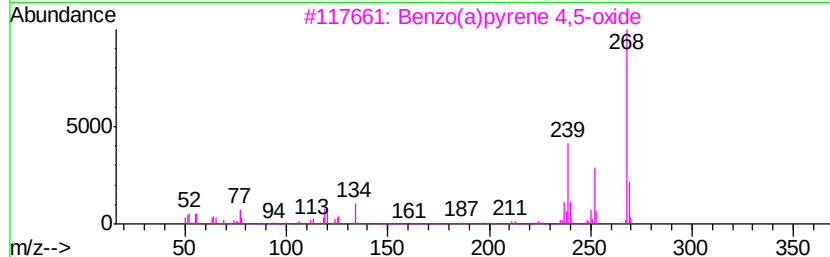
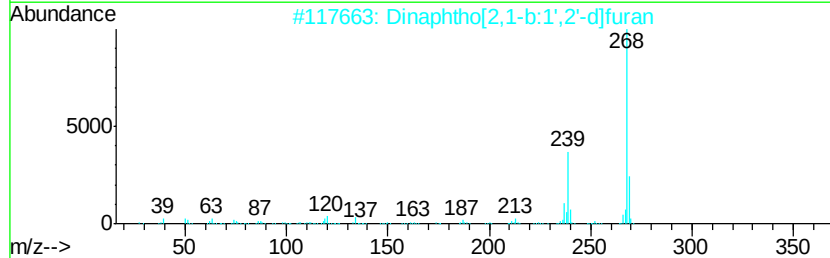
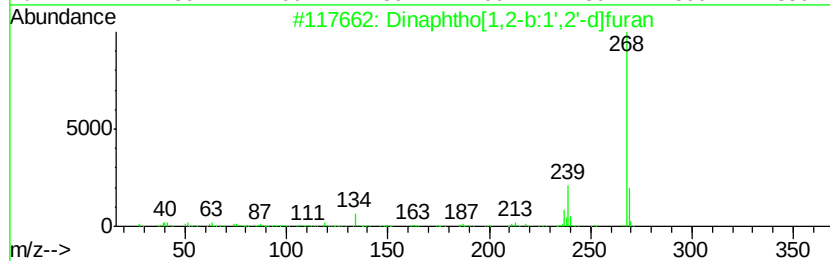
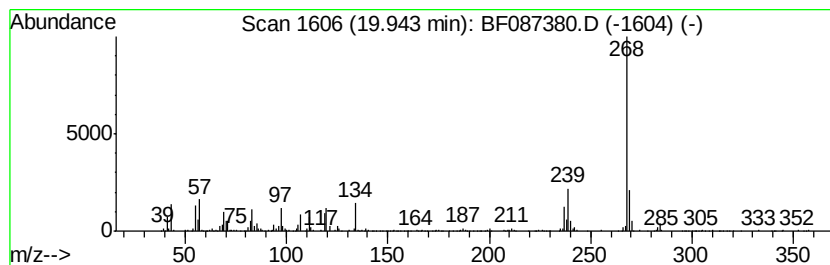
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	23.36 ng	860675	Perylene-d12	20.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	74
3		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
4		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	64
5		9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087380.D
Acq On : 25 May 2016 19:35
Operator : UM/SJ
Sample : H3211-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)

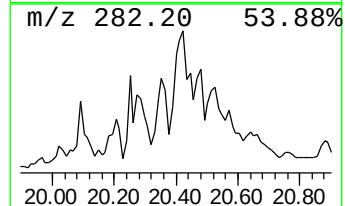
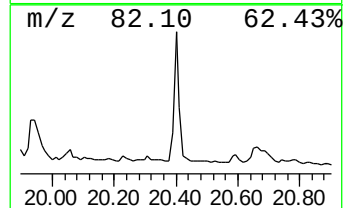
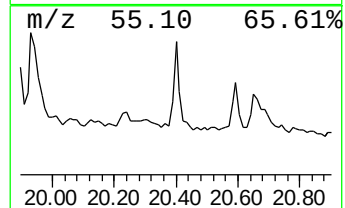
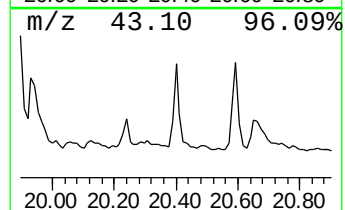
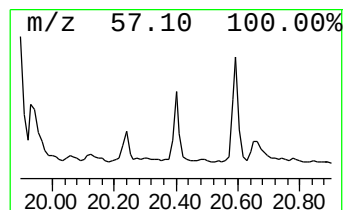
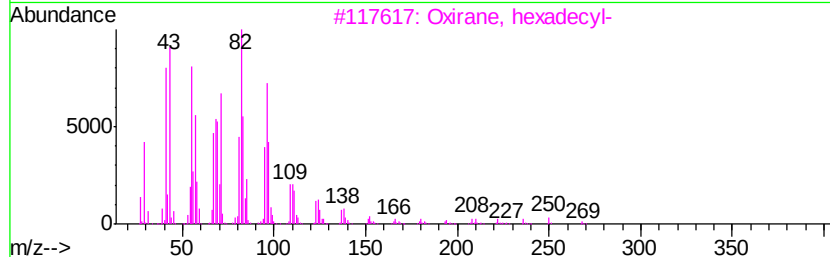
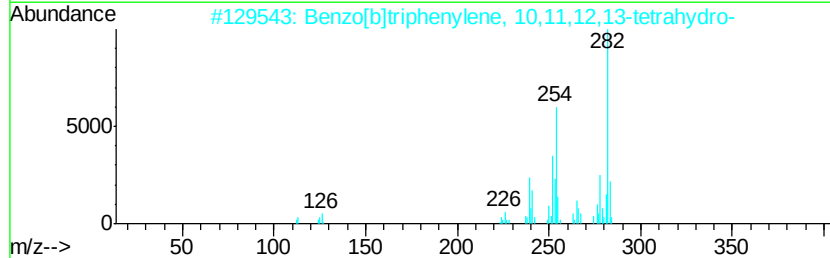
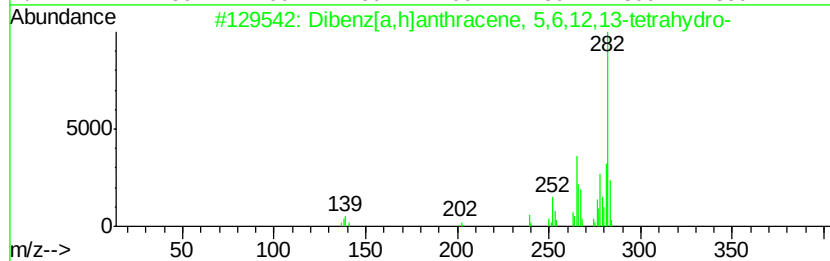
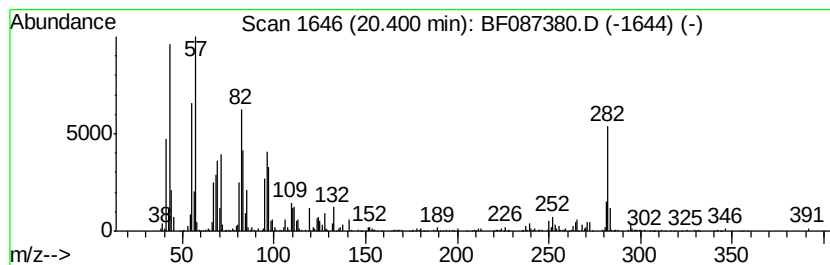
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Dibenz[a,h]anthracene, 5,6,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.40	16.15 ng	594904	Perylene-d12	20.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz[a,h]anthracene, 5,6,12,13...	282	C22H18	000153-31-1	91
2		Benzo[b]triphenylene, 10,11,12,1...	282	C22H18	025486-89-9	90
3		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	76
4		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	76
5		Octadecanal	268	C18H36O	000638-66-4	70



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Sample : H3211-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TA-1320-(0-4)

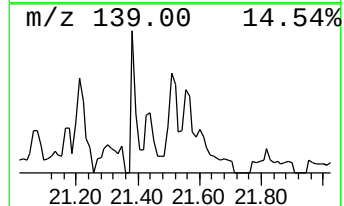
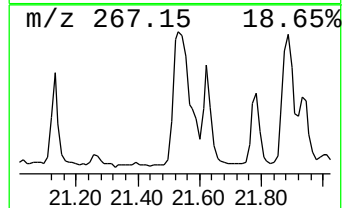
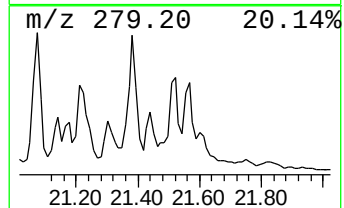
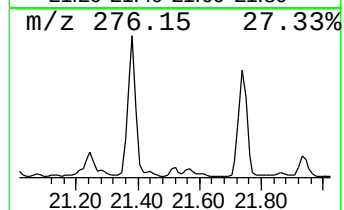
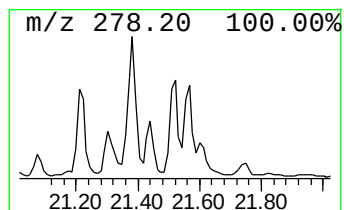
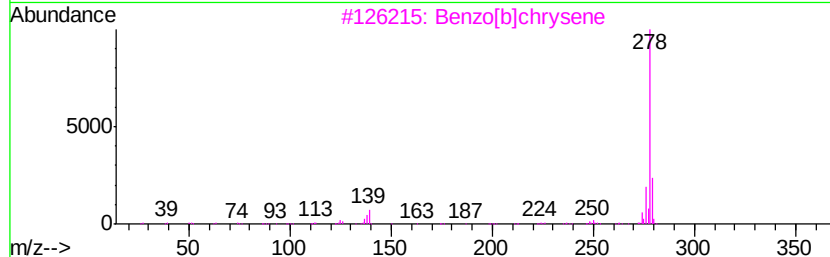
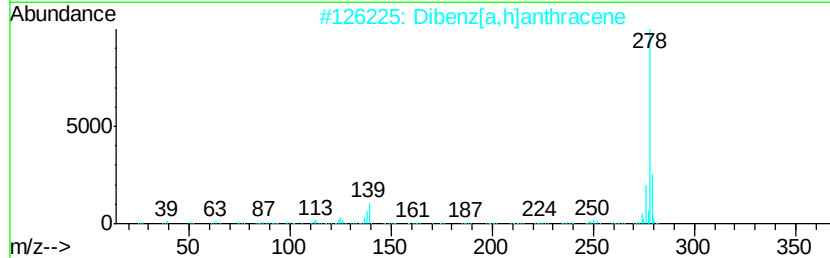
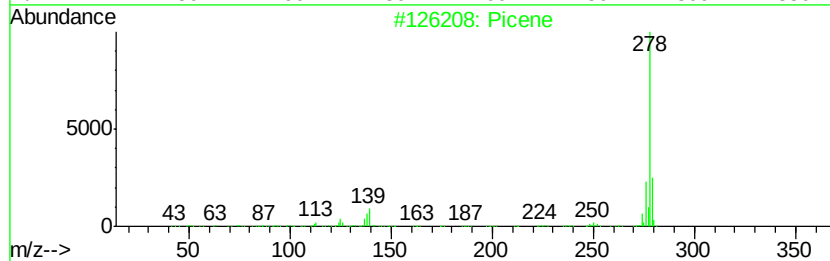
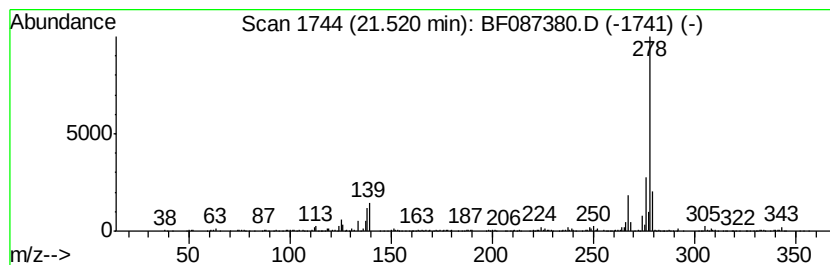
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Picene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	13.51 ng	497866	Perylene-d12	20.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	98
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
3		Benzo[b]chrysene	278	C22H14	000214-17-5	96
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	95
5		Benzo[b]triphenylene	278	C22H14	000215-58-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
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Acq On : 25 May 2016 19:35
Operator : UM/SJ
Sample : H3211-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)

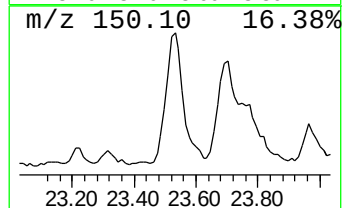
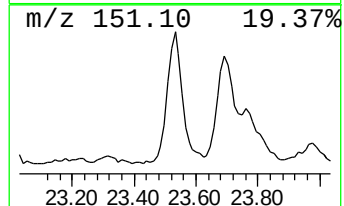
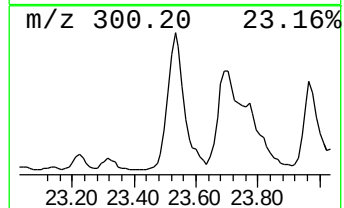
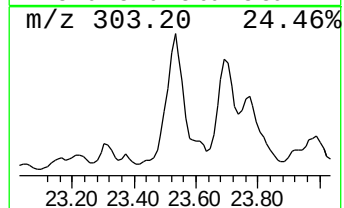
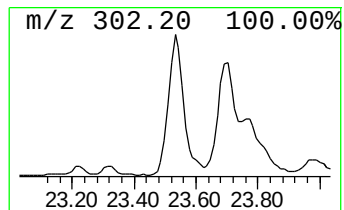
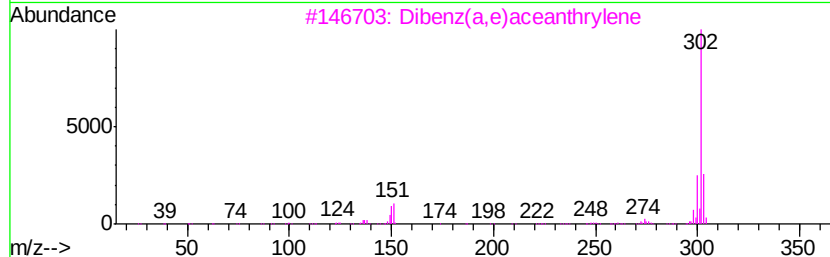
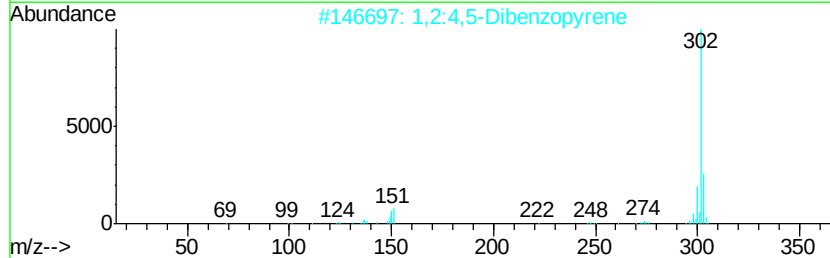
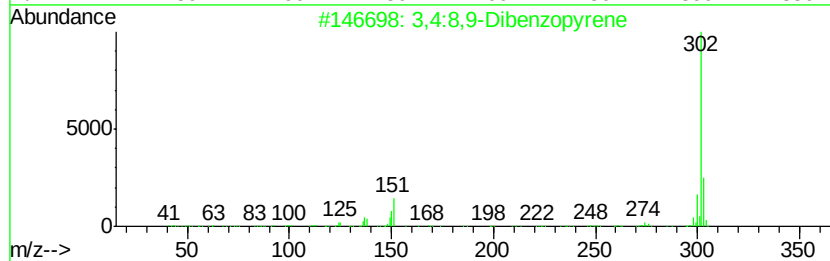
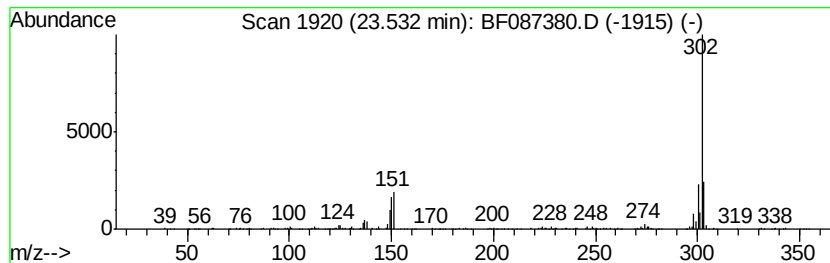
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 3,4:8,9-Dibenzopyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.53	21.97 ng	809514	Perylene-d12	20.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
4		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	91
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
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Sample : H3211-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

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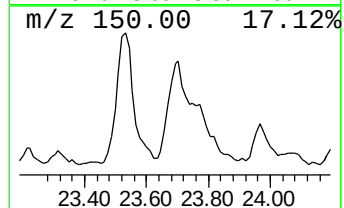
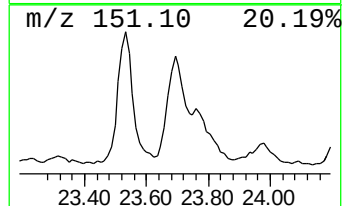
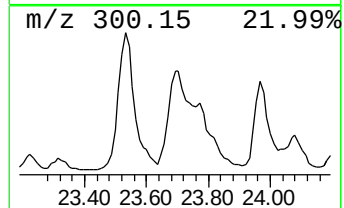
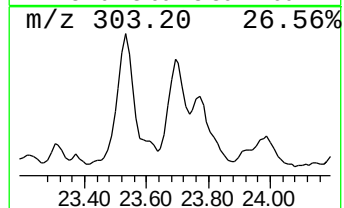
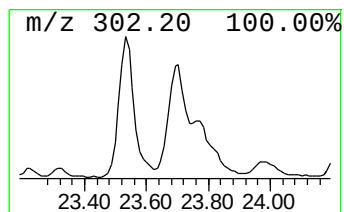
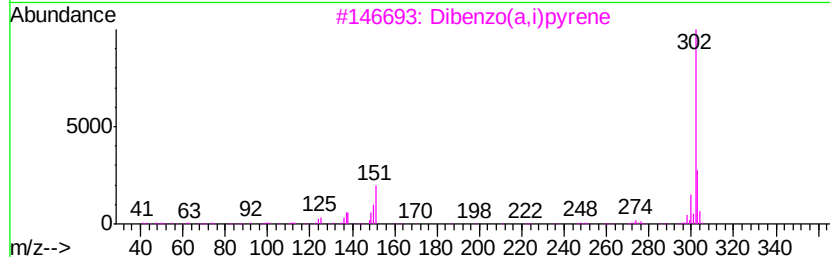
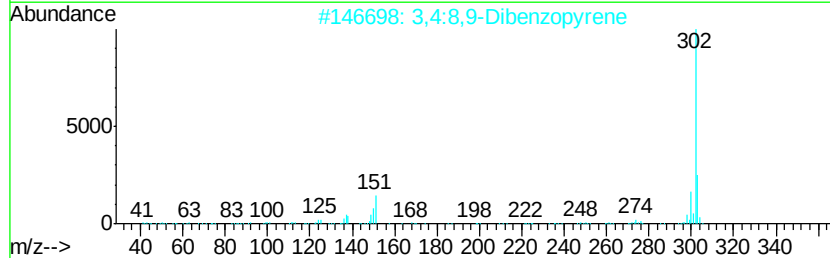
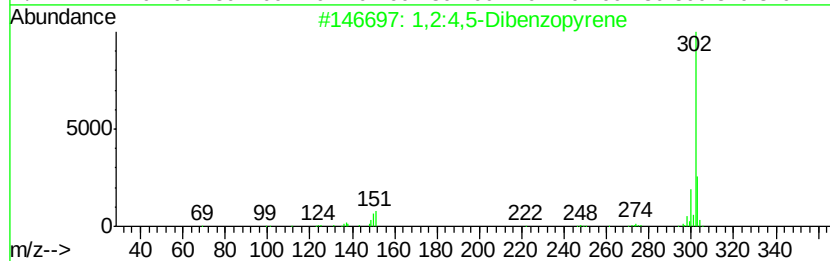
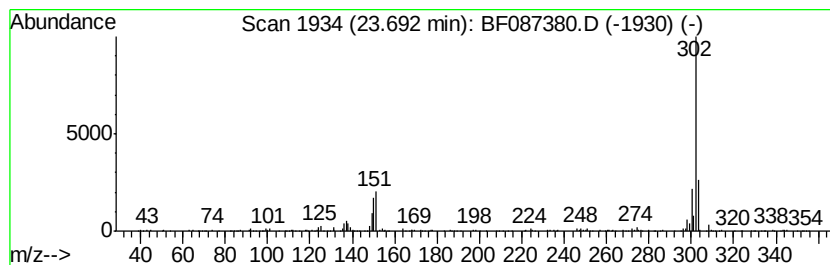
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.69	13.26 ng	488451	Perylene-d12	20.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	98
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
3		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	93
4		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
5		1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
 Data File : BF087380.D
 Acq On : 25 May 2016 19:35
 Operator : UM/SJ
 Sample : H3211-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Bacchotricuneatin c	14.01	19.1 ng		770476	4	14.78	807397	20.0
Phenanthrene, 2-m...	15.57	14.8 ng		595408	4	14.78	807397	20.0
Phenanthrene, 1-m...	15.61	21.5 ng		866483	4	14.78	807397	20.0
4H-Cyclopenta[def...	15.71	22.6 ng		911467	4	14.78	807397	20.0
Naphthalene, 2-ph...	16.01	15.8 ng		639447	4	14.78	807397	20.0
Phenanthrene, 2,5...	16.37	21.2 ng		857237	4	14.78	807397	20.0
Cyclopenta(def)ph...	16.49	19.6 ng		789478	4	14.78	807397	20.0
Benz(a)anthracene...	19.39	14.5 ng		534821	6	20.15	736837	20.0
Anthracene, 9-phe...	19.58	27.3 ng		1005780	6	20.15	736837	20.0
Dinaphtho[1,2-b:1...	19.94	23.4 ng		860675	6	20.15	736837	20.0
Dibenz[a,h]anthra...	20.40	16.1 ng		594904	6	20.15	736837	20.0
Picene	21.52	13.5 ng		497866	6	20.15	736837	20.0
3,4:8,9-Dibenzopy...	23.53	22.0 ng		809514	6	20.15	736837	20.0
1,2:4,5-Dibenzopy...	23.69	13.3 ng		488451	6	20.15	736837	20.0