

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107619.D
 Acq On : 24 Jul 2018 15:24
 Operator : JU/SJ
 Sample : J4096-04 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-6

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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	5.190	481	485	496	rBV	221435	280450	3.46%	0.298%
2	5.595	550	554	575	rBV	1022798	1712383	21.12%	1.822%
3	6.601	721	725	739	rBV	1080642	1844079	22.74%	1.963%
4	6.737	745	748	754	rBV	1654668	1799729	22.19%	1.915%
5	6.784	754	756	763	rVB	122554	131040	1.62%	0.139%
6	6.966	783	787	802	rBV	1253665	1505686	18.57%	1.602%
7	7.119	808	813	829	rBV2	1721734	2733583	33.71%	2.909%
8	7.531	879	883	890	rBV2	848309	1265715	15.61%	1.347%
9	8.183	989	994	996	rBV4	96225	116120	1.43%	0.124%
10	8.213	996	999	1001	rVV	251148	227340	2.80%	0.242%
11	8.248	1002	1005	1010	rVV	1824840	1896938	23.39%	2.019%
12	8.289	1010	1012	1015	rVV	290142	256388	3.16%	0.273%
13	8.325	1015	1018	1023	rVB6	62785	95521	1.18%	0.102%
14	8.531	1049	1053	1057	rBV4	149504	202488	2.50%	0.215%
15	8.572	1057	1060	1064	rBV4	72854	91515	1.13%	0.097%
16	8.648	1071	1073	1076	rBV	333060	261876	3.23%	0.279%
17	8.748	1086	1090	1092	rBV2	159358	155619	1.92%	0.166%
18	8.907	1115	1117	1123	rVB3	93974	141676	1.75%	0.151%
19	8.960	1123	1126	1130	rBV	495837	498765	6.15%	0.531%
20	9.019	1133	1136	1138	rBV3	90282	103679	1.28%	0.110%
21	9.066	1141	1144	1146	rBV2	367464	359864	4.44%	0.383%
22	9.148	1155	1158	1161	rVB3	167013	197336	2.43%	0.210%
23	9.183	1161	1164	1167	rBV2	211911	212838	2.62%	0.227%
24	9.254	1173	1176	1179	rBV	516102	389021	4.80%	0.414%
25	9.319	1183	1187	1192	rBV	2285773	2097039	25.86%	2.232%
26	9.395	1196	1200	1202	rVV	329387	344530	4.25%	0.367%
27	9.430	1203	1206	1210	rVV2	211747	274164	3.38%	0.292%
28	9.466	1210	1212	1215	rVB2	187195	170335	2.10%	0.181%
29	9.589	1228	1233	1237	rBV3	281491	485033	5.98%	0.516%
30	9.666	1237	1246	1248	rVV3	528793	934296	11.52%	0.994%
31	9.707	1248	1253	1261	rVV4	1413541	1817966	22.42%	1.935%
32	9.777	1261	1265	1267	rVV3	191154	278283	3.43%	0.296%
33	9.813	1270	1271	1274	rVB2	164265	122705	1.51%	0.131%
34	9.866	1277	1280	1282	rBV3	262890	272379	3.36%	0.290%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107619.D
 Acq On : 24 Jul 2018 15:24
 Operator : JU/SJ
 Sample : J4096-04 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-6

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.913	1286	1288	1293	rVB3	195491	229562	2.83%	0.244%
36	9.960	1293	1296	1298	rBV3	171038	206399	2.55%	0.220%
37	9.983	1298	1300	1302	rVV	252703	259156	3.20%	0.276%
38	10.007	1302	1304	1307	rVV	1827205	1656126	20.42%	1.763%
39	10.042	1307	1310	1313	rVV	1020683	998175	12.31%	1.062%
40	10.107	1317	1321	1325	rBV3	275607	418749	5.16%	0.446%
41	10.154	1325	1329	1331	rBV4	288100	415350	5.12%	0.442%
42	10.177	1331	1333	1335	rVV2	374617	282170	3.48%	0.300%
43	10.213	1335	1339	1342	rVV2	720461	794781	9.80%	0.846%
44	10.242	1342	1344	1348	rVB3	485161	571729	7.05%	0.608%
45	10.319	1354	1357	1360	rBV2	399590	500878	6.18%	0.533%
46	10.354	1360	1363	1368	rVB2	367723	599898	7.40%	0.638%
47	10.413	1369	1373	1377	rBV3	463446	766085	9.45%	0.815%
48	10.448	1377	1379	1382	rVB	259108	253763	3.13%	0.270%
49	10.483	1382	1385	1387	rBV2	196587	208694	2.57%	0.222%
50	10.560	1394	1398	1404	rVB2	1055992	1248515	15.40%	1.329%
51	10.642	1407	1412	1414	rBV	2265242	2458198	30.31%	2.616%
52	10.666	1414	1416	1419	rVB2	332633	271182	3.34%	0.289%
53	10.695	1419	1421	1423	rBV	309518	260726	3.22%	0.277%
54	10.760	1430	1432	1436	rVB4	353316	394355	4.86%	0.420%
55	10.801	1436	1439	1442	rBV2	1136793	1287877	15.88%	1.371%
56	10.913	1453	1458	1465	rBV	4493081	5345647	65.92%	5.689%
57	10.972	1465	1468	1470	rBV	1213336	1101791	13.59%	1.173%
58	11.007	1471	1474	1477	rVB2	695947	868455	10.71%	0.924%
59	11.042	1477	1480	1482	rBV	914171	872543	10.76%	0.929%
60	11.066	1482	1484	1486	rVB	493223	328884	4.06%	0.350%
61	11.089	1486	1488	1490	rBV2	495561	521672	6.43%	0.555%
62	11.189	1502	1505	1508	rBV	977985	888865	10.96%	0.946%
63	11.236	1510	1513	1516	rVB3	481349	592025	7.30%	0.630%
64	11.377	1533	1537	1539	rBV	3257922	3099849	38.23%	3.299%
65	11.401	1539	1541	1544	rVB	626518	521450	6.43%	0.555%
66	11.507	1556	1559	1561	rBV	1288577	1396842	17.23%	1.487%
67	11.536	1561	1564	1567	rVV	5490010	5771091	71.17%	6.142%
68	11.583	1570	1572	1575	rVV	1079615	977816	12.06%	1.041%
69	11.619	1575	1578	1582	rVV2	561014	630432	7.77%	0.671%
70	11.654	1582	1584	1588	rVV	633616	576091	7.10%	0.613%
71	11.724	1593	1596	1603	rBV3	1187666	1908107	23.53%	2.031%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.007	1641	1644	1647	rBV2	1032771	1284009	15.83%	1.367%
73	12.036	1647	1649	1652	rVB	1042278	946616	11.67%	1.007%
74	12.124	1661	1664	1666	rBV2	1339064	1329828	16.40%	1.415%
75	12.301	1692	1694	1697	rBV2	534978	545022	6.72%	0.580%
76	12.336	1697	1700	1702	rVV	583303	559757	6.90%	0.596%
77	12.742	1763	1769	1771	rBV	5720277	8108866	100.00%	8.630%
78	12.971	1802	1808	1812	rBV2	4820940	7009707	86.44%	7.460%
79	13.066	1821	1824	1825	rBV	864599	965360	11.90%	1.027%
80	14.118	2001	2003	2007	rBV	2014732	2015899	24.86%	2.145%
81	14.165	2008	2011	2014	rVV2	1920660	3343254	41.23%	3.558%
82	14.201	2015	2017	2025	rVB	2903477	2981312	36.77%	3.173%
83	15.659	2262	2265	2269	rVB	1681315	2112920	26.06%	2.249%

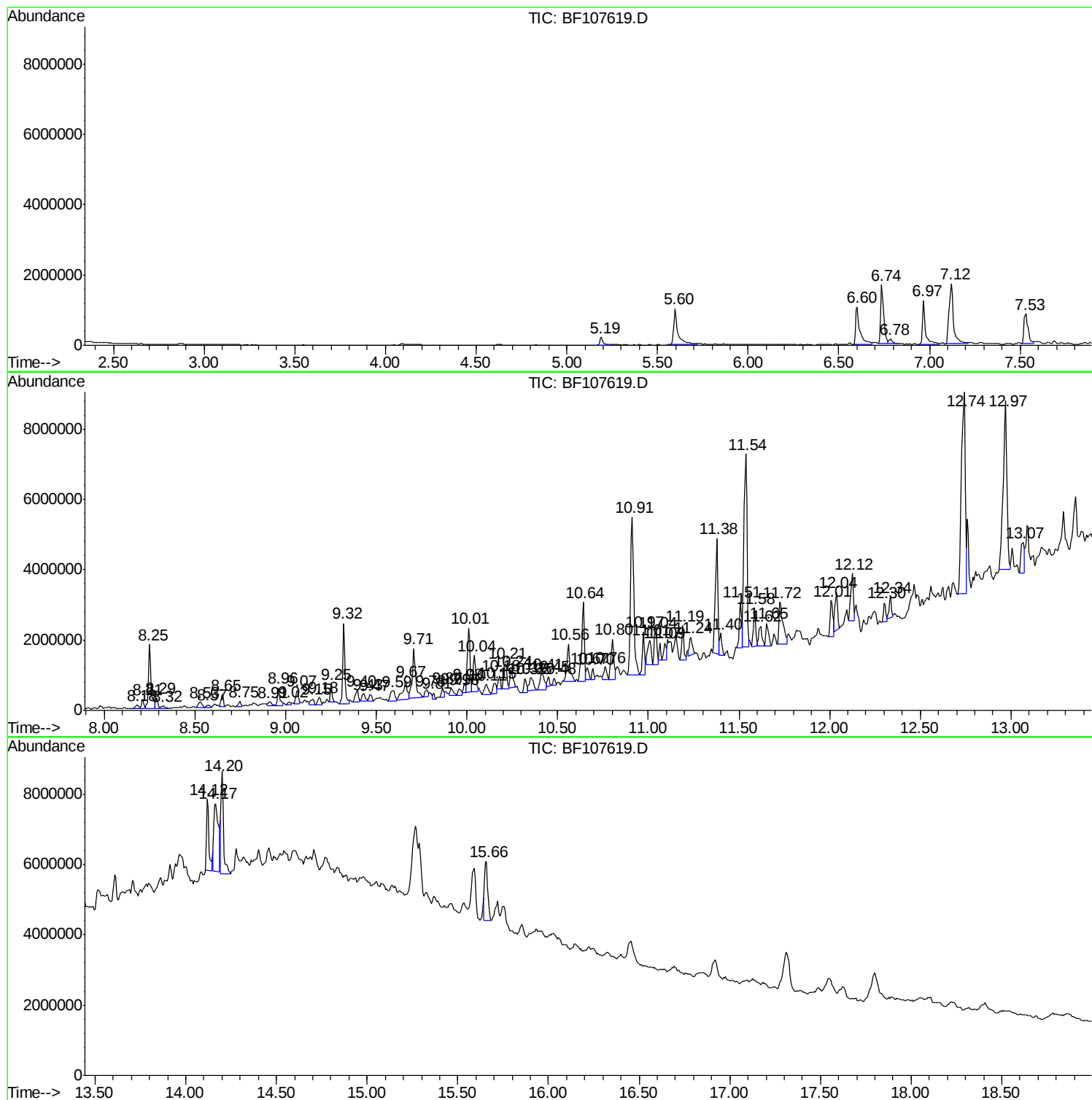
Sum of corrected areas: 93962857

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
DW-6

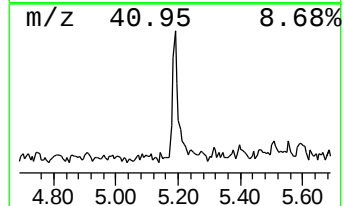
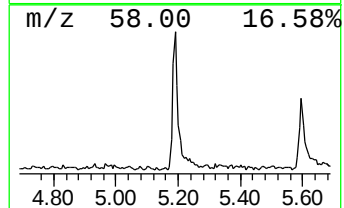
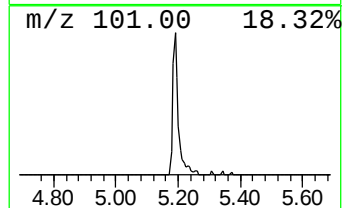
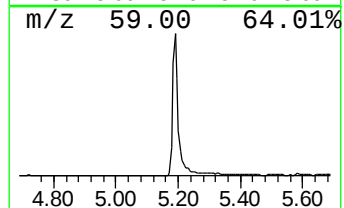
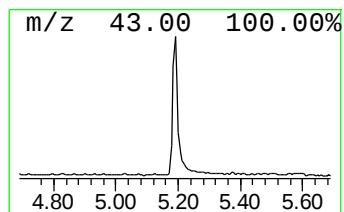
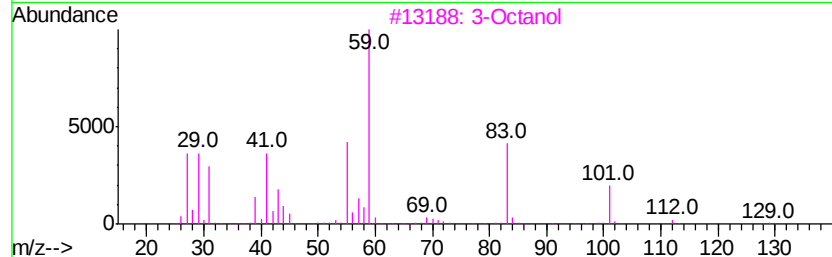
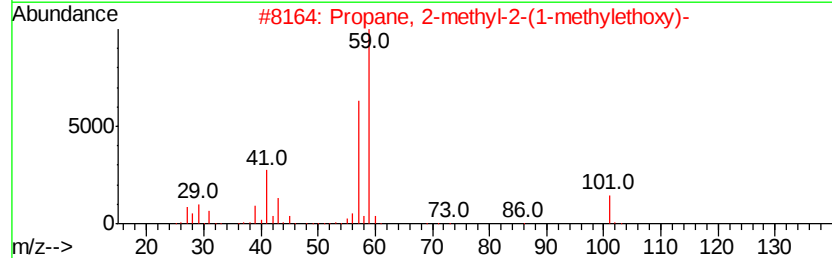
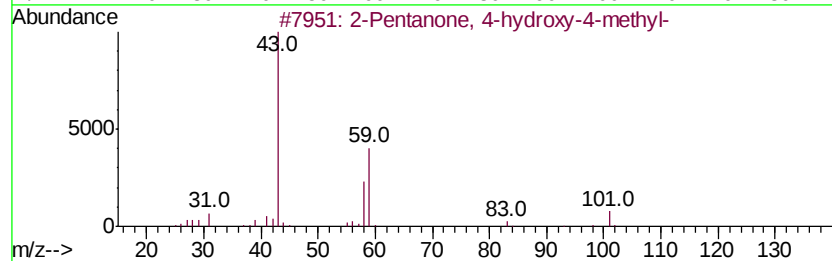
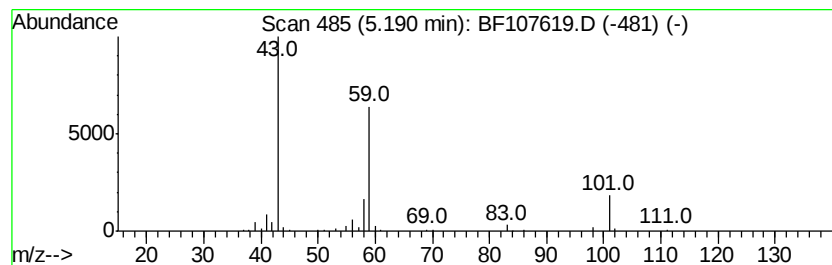
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	3.73 ng	280450	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3			3-Octanol	130	C8H18O	000589-98-0	33
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5			4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
DW-6

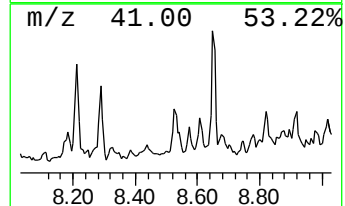
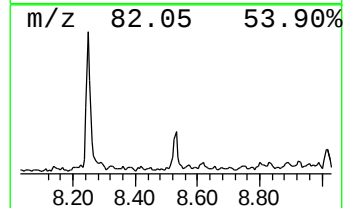
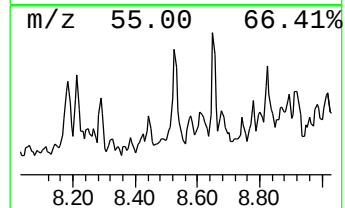
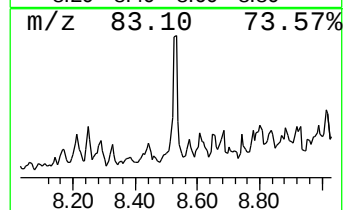
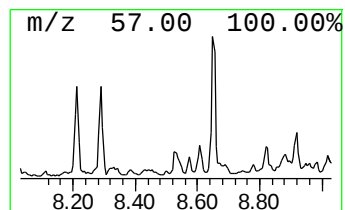
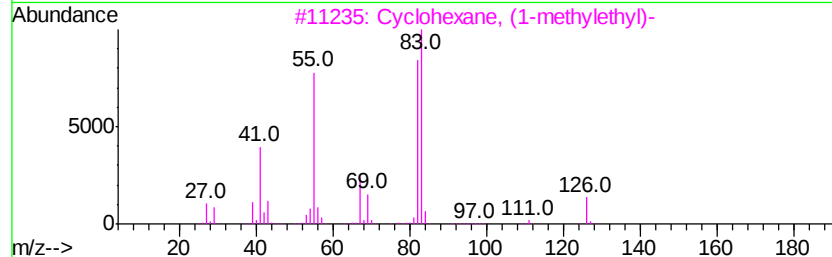
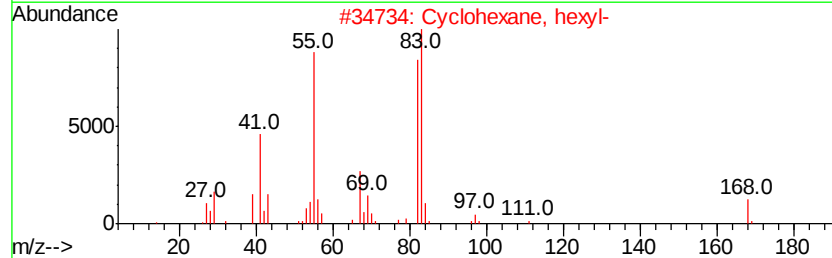
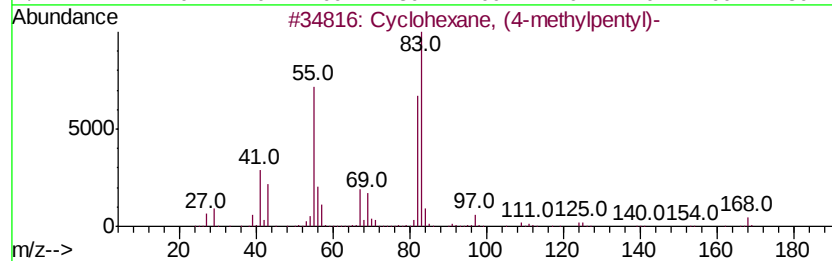
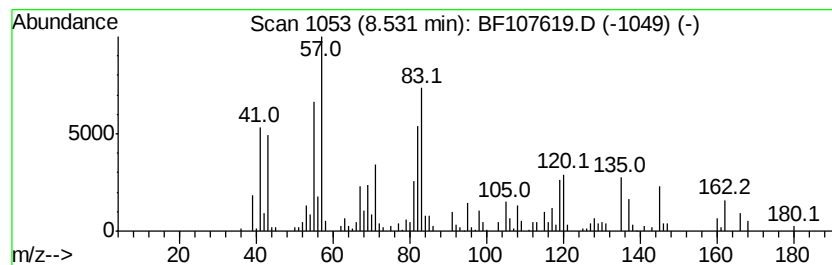
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown8.53 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	2.13 ng	202488	Naphthalene-d8	8.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	38
2			Cyclohexane, hexyl-	168	C12H24	004292-75-5	38
3			Cyclohexane, (1-methyl ethyl)-	126	C9H18	000696-29-7	38
4			Cyclohexane, butyl-	140	C10H20	001678-93-9	38
5			Acetic acid, mercapto-, cyclohex...	174	C8H14O2S	016849-98-2	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

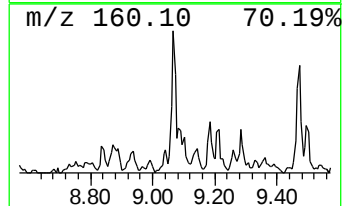
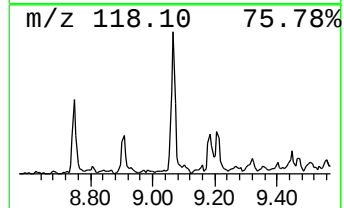
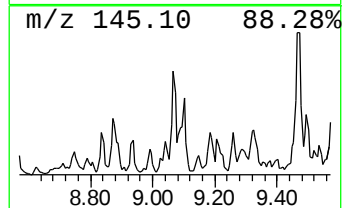
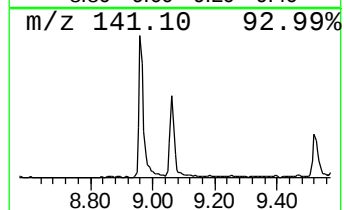
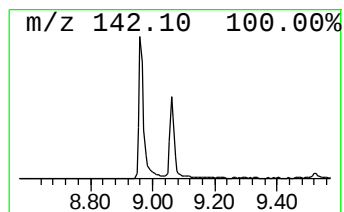
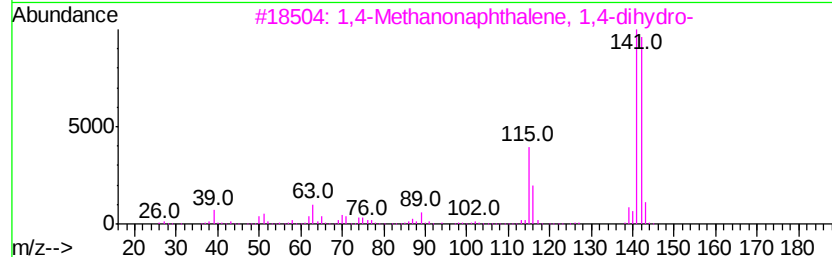
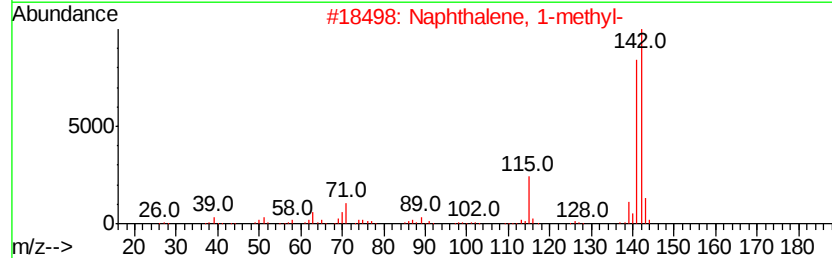
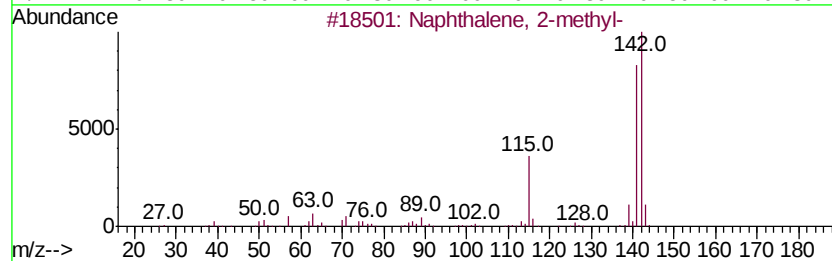
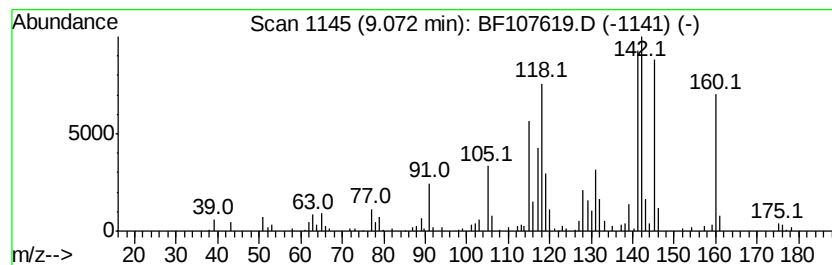
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	3.79 ng	359864	Naphthalene-d8	8.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	83
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	83
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	83
4		Benzocycloheptatriene	142	C11H10	000264-09-5	64
5		2,5-Difluorobenzaldehyde	142	C7H4F2O	002646-90-4	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

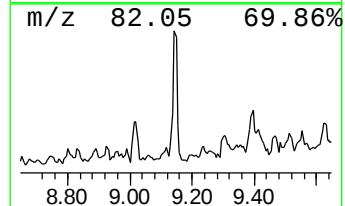
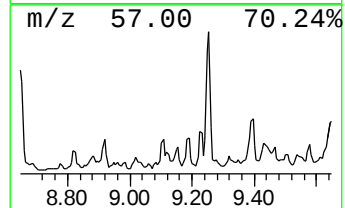
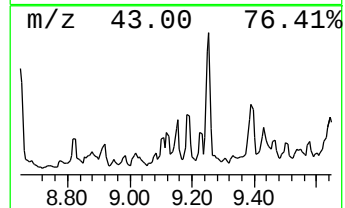
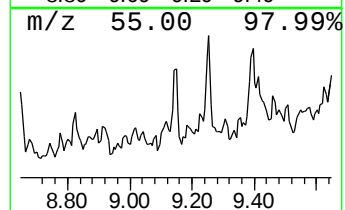
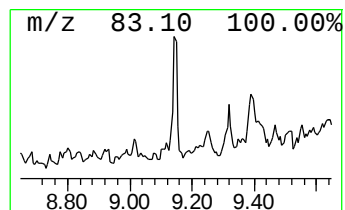
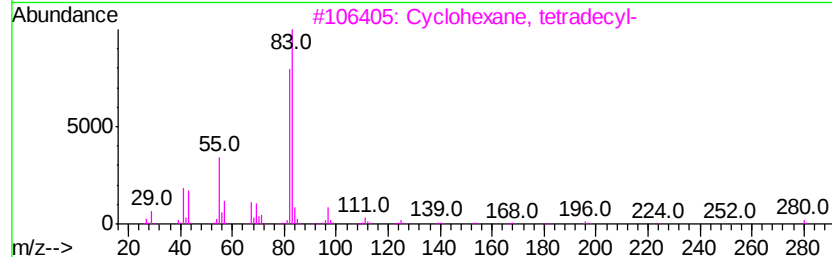
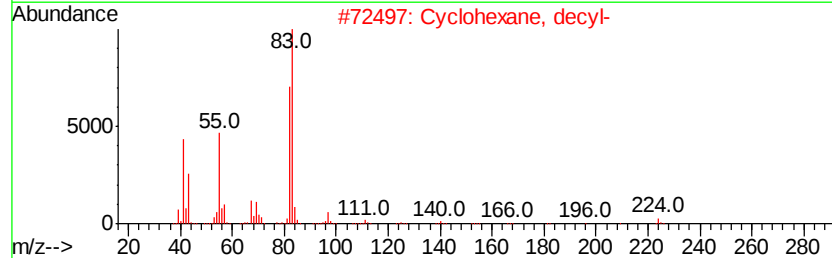
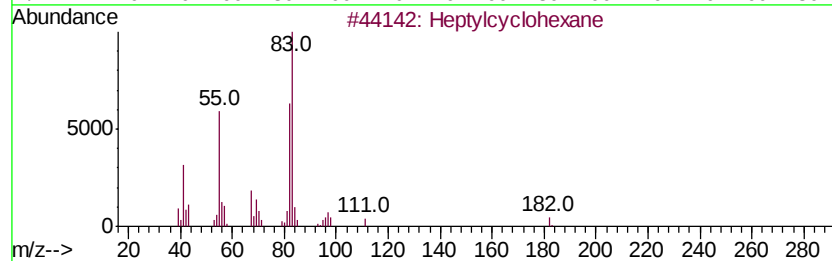
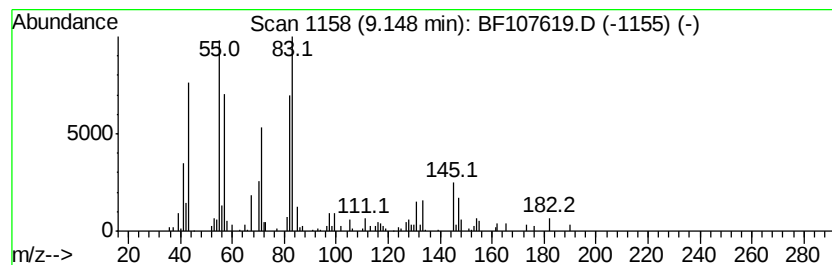
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown9.15 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	2.38 ng	197336	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptylcyclohexane	182	C13H26	005617-41-4	46
2		Cyclohexane, decyl-	224	C16H32	001795-16-0	43
3		Cyclohexane, tetradecyl-	280	C20H40	001795-18-2	43
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

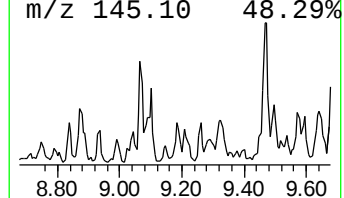
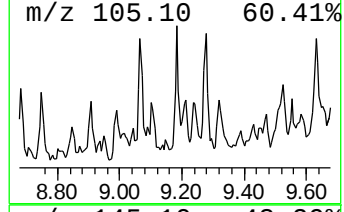
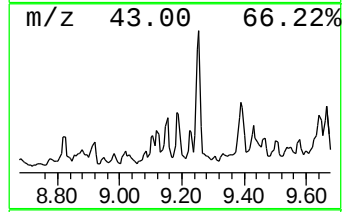
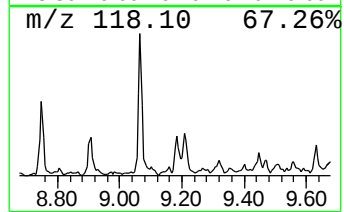
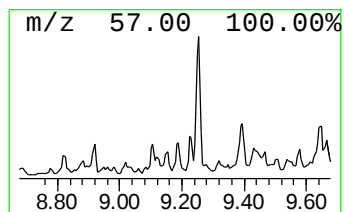
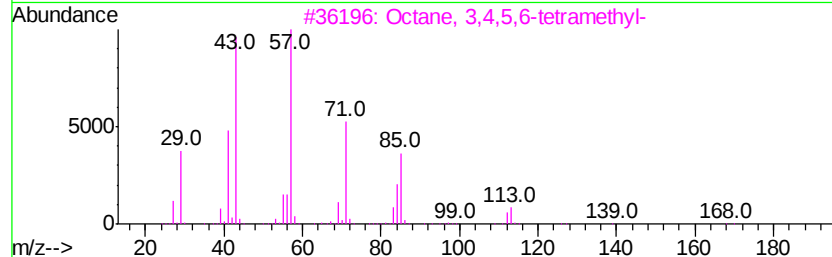
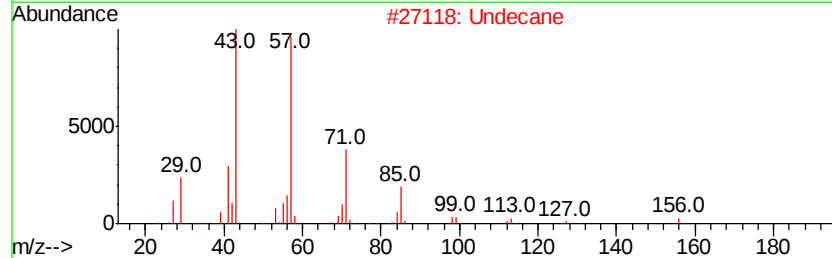
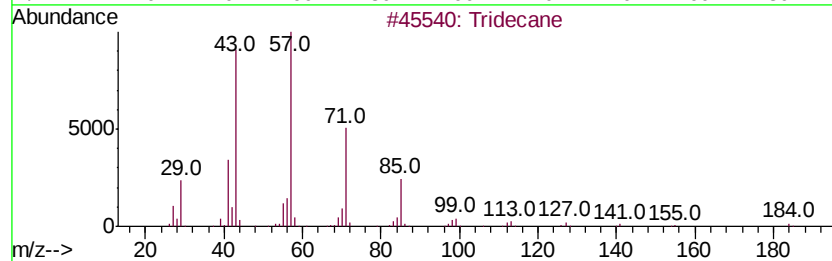
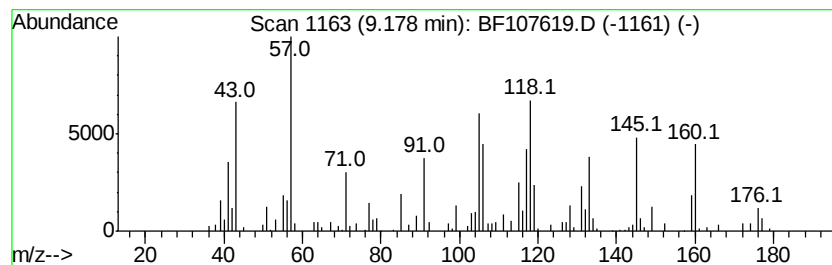
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 unknown9.18 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	2.57 ng	212838	Acenaphthene-d10	10.01

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane	184	C13H28	000629-50-5	14
2		Undecane	156	C11H24	001120-21-4	14
3		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	14
4		Eicosane	282	C20H42	000112-95-8	14
5		Dodecane, 2-methyl-	184	C13H28	001560-97-0	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

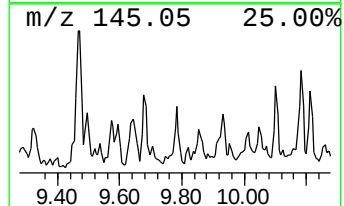
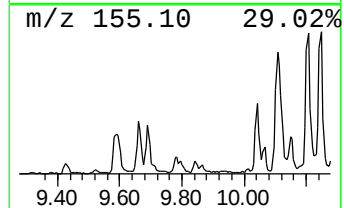
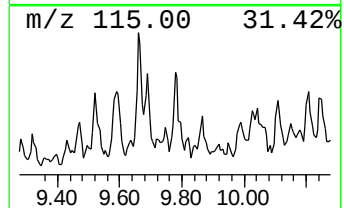
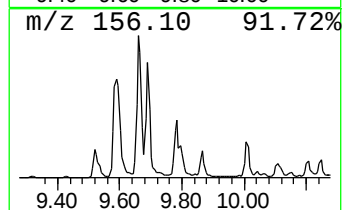
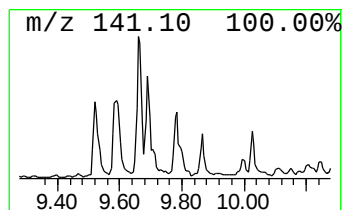
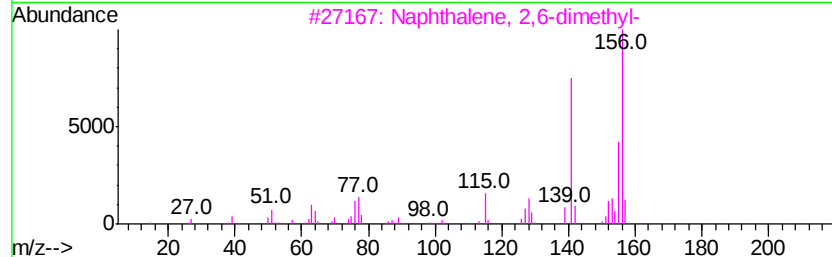
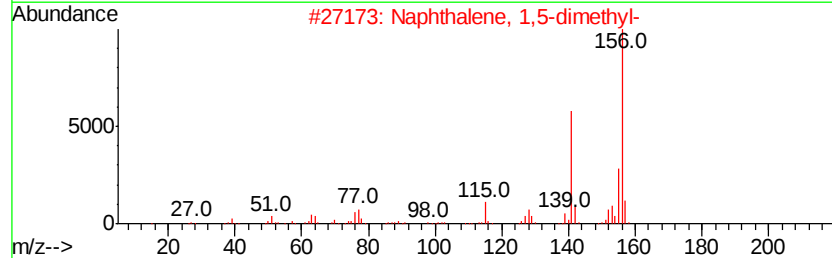
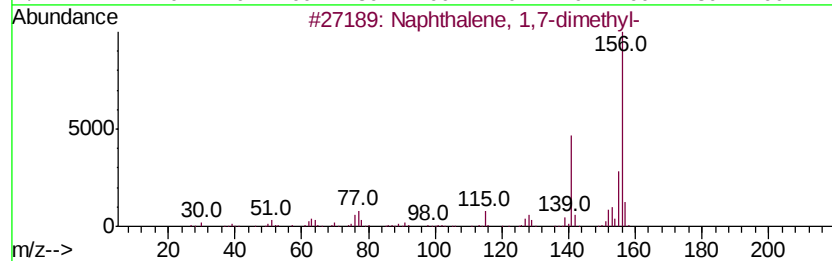
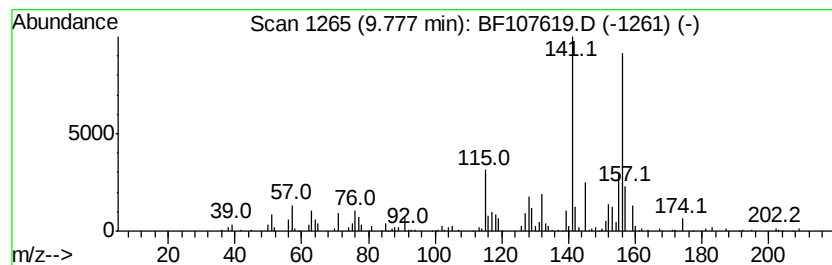
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	3.36 ng	278283	Acenaphthene-d10	10.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

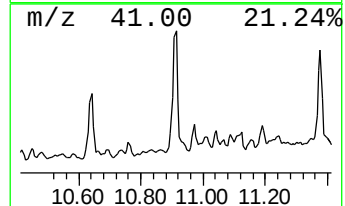
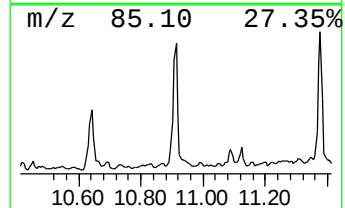
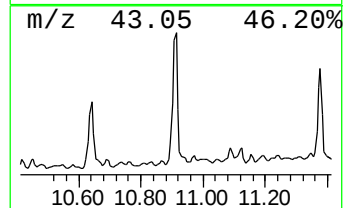
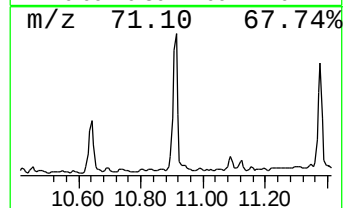
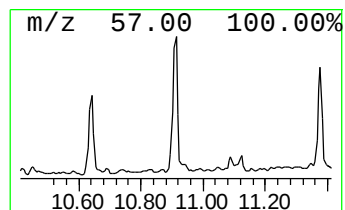
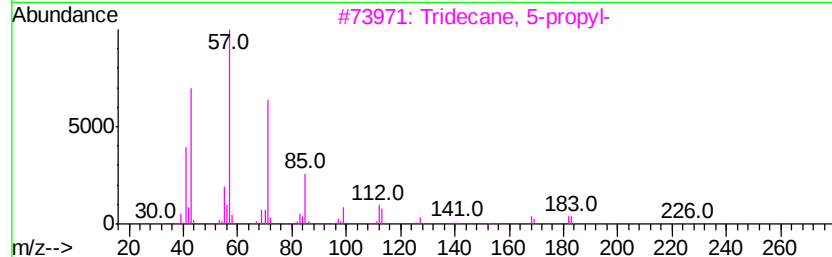
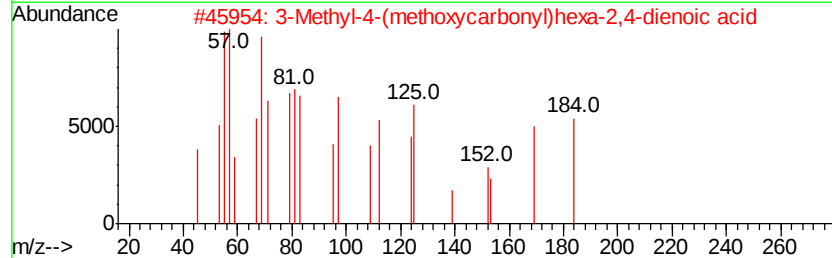
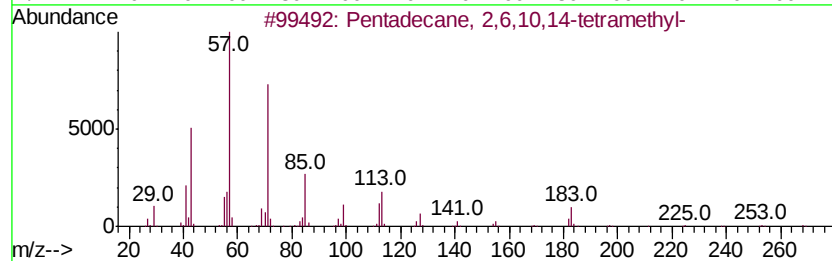
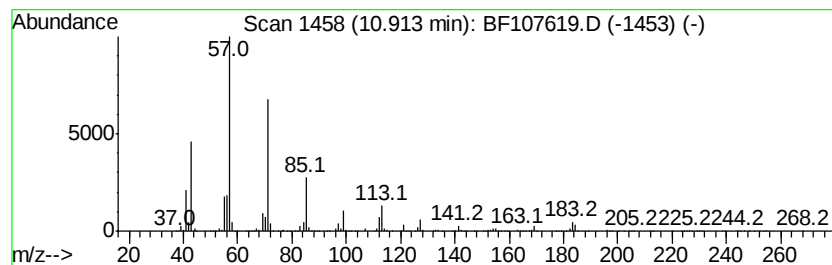
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	76.54 ng	5345650	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	95
2		3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	90
3		Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
4		Tridecane	184	C13H28	000629-50-5	72
5		5,5-Dibutylnonane	240	C17H36	006008-17-9	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

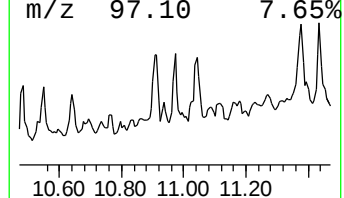
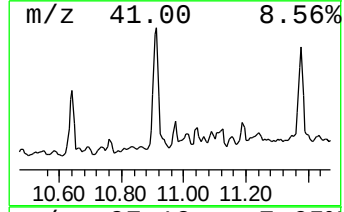
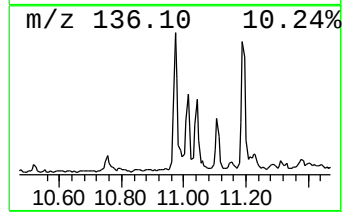
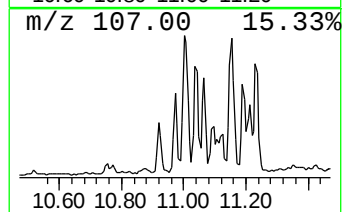
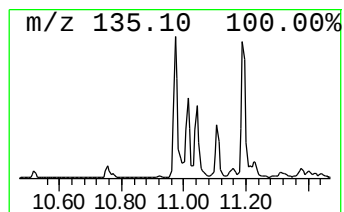
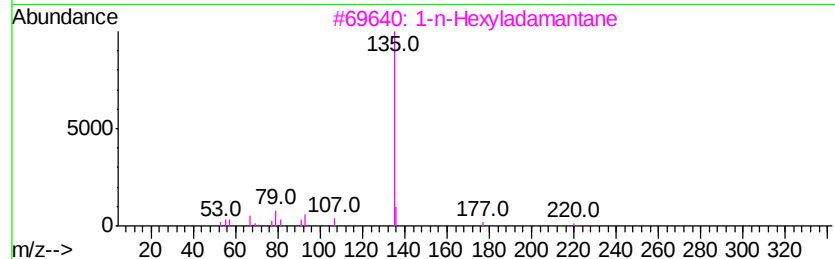
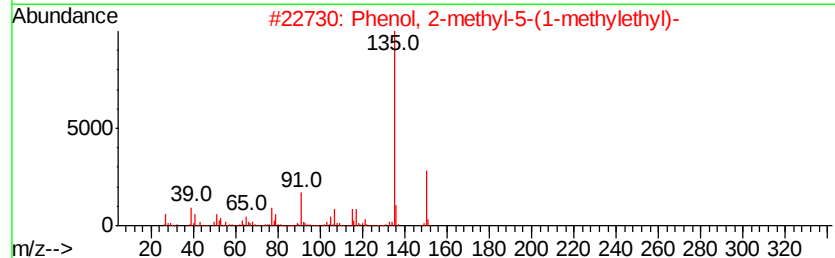
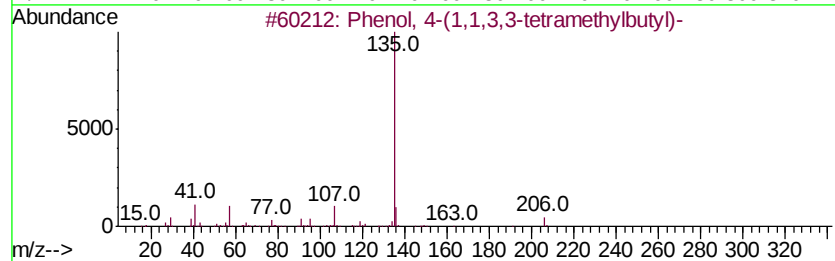
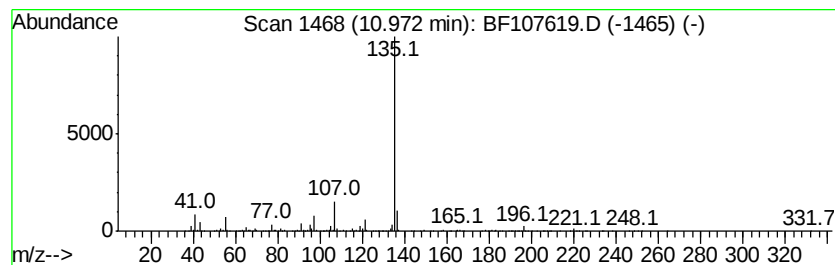
Instrument :
BNA_F
ClientSampleId :
DW-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.97	15.78 ng	1101790	Phenanthrene-d10	11.51		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol,	4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	72
2	Phenol,	2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	72
3	1-n-Hexyladamantane		220	C16H28	022458-75-9	64
4	Carbamic acid,	N-[1,1-bis(triflu...	413	C19H25F6N02	296242-69-8	56
5	Phenol,	4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

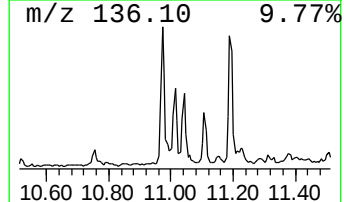
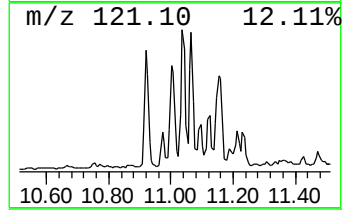
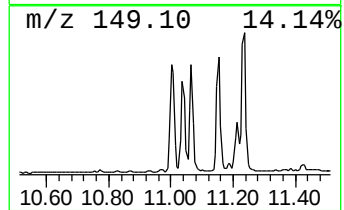
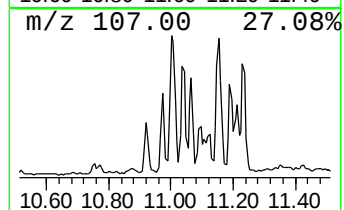
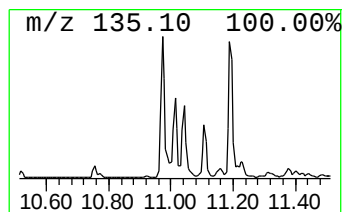
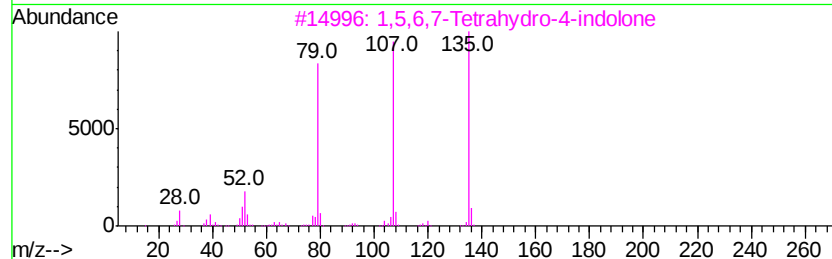
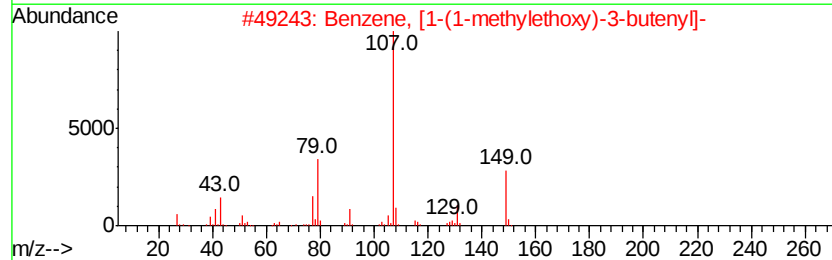
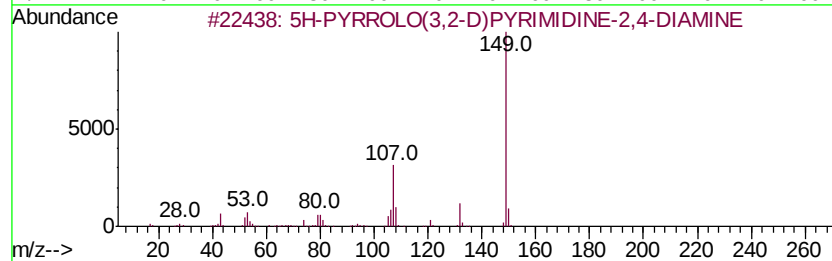
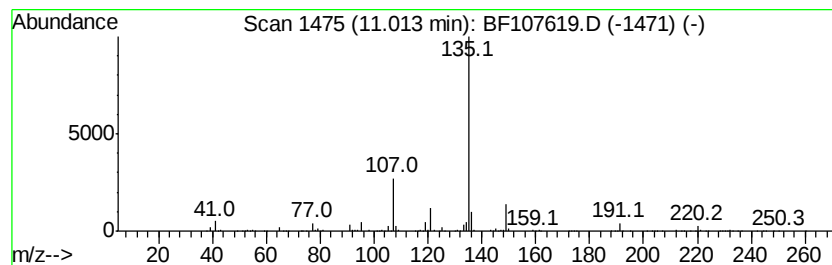
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown11.01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	12.43 ng	868455	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5H-PYRROLO(3,2-D)PYRIMIDINE-2,4-...	149	C6H7N5	1000244-21-4	43
2		Benzene, [1-(1-methylethoxy)-3-b...	190	C13H18O	098088-47-2	43
3		1,5,6,7-Tetrahydro-4-indolone	135	C8H9NO	013754-86-4	27
4		Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	22
5		Phenol, 4-butyl-	150	C10H14O	001638-22-8	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

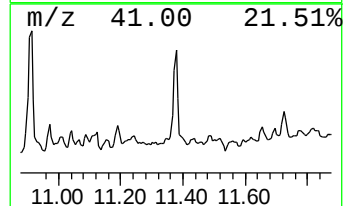
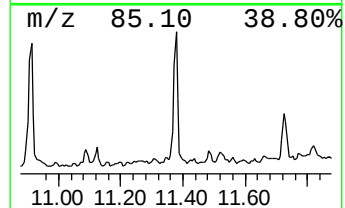
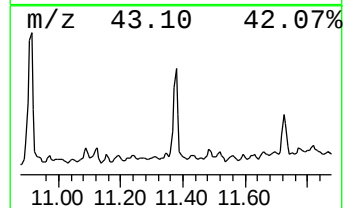
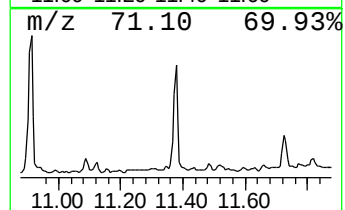
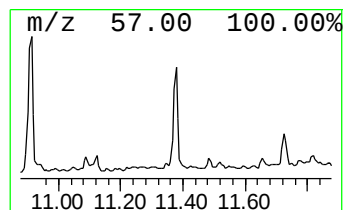
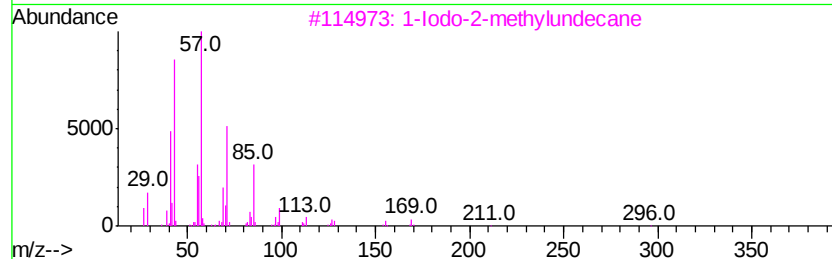
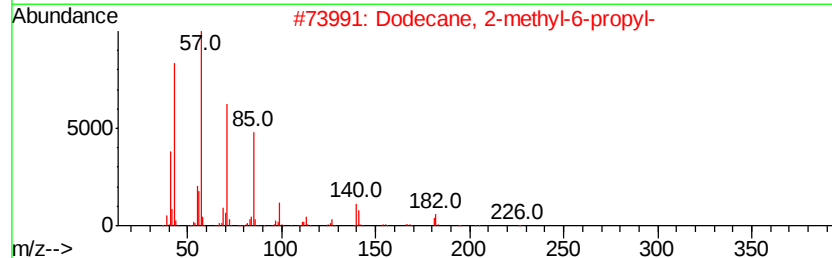
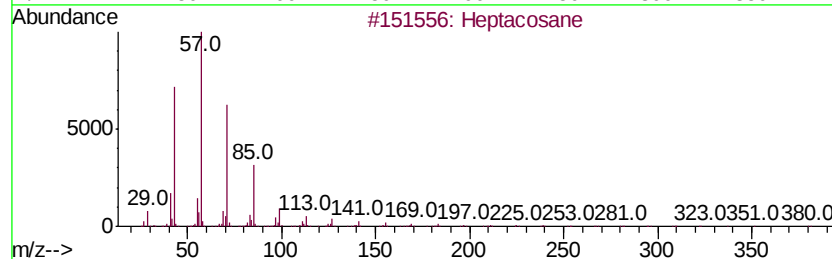
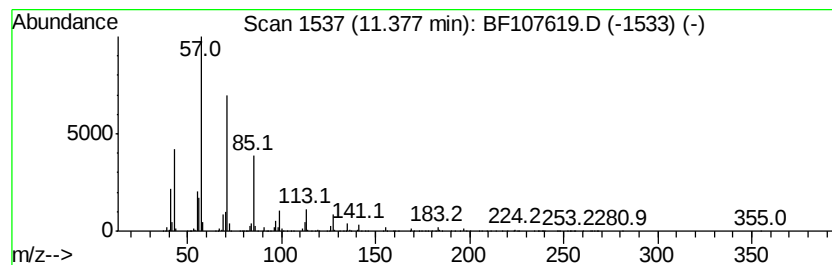
Instrument :
BNA_F
ClientSampleId :
DW-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Heptacosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.38	44.38 ng	3099850	Phenanthrene-d10	11.51	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	86
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	78
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

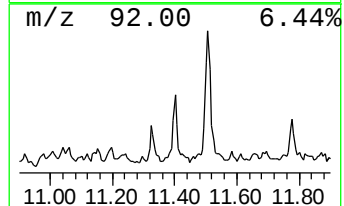
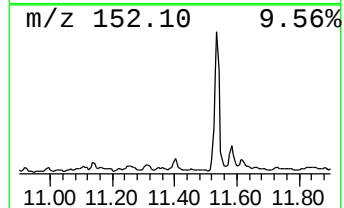
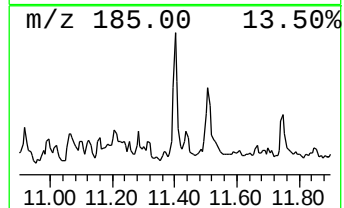
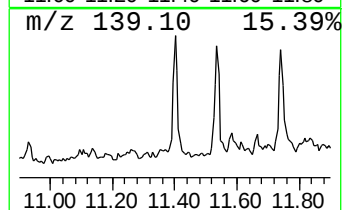
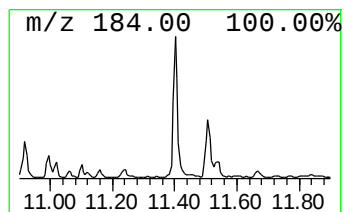
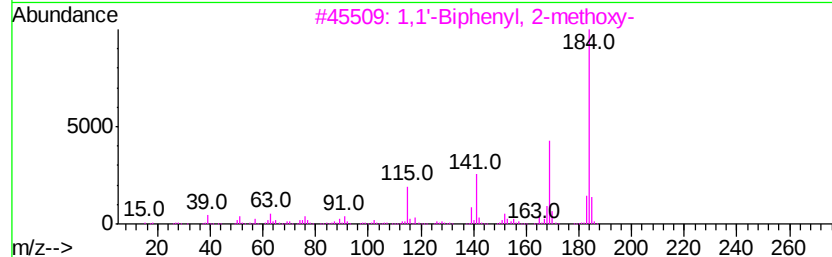
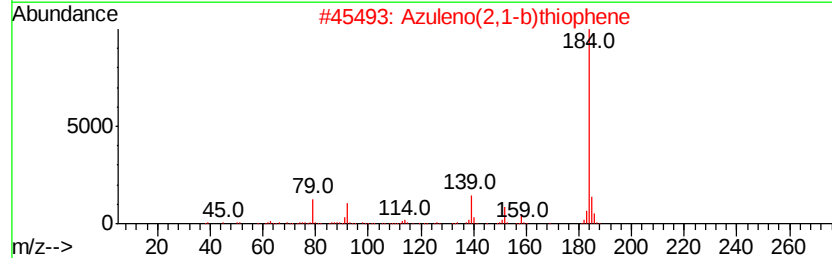
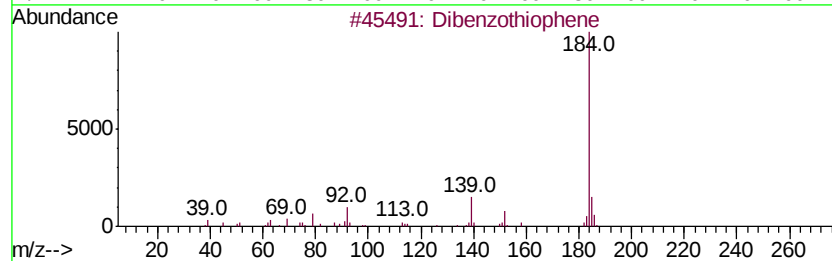
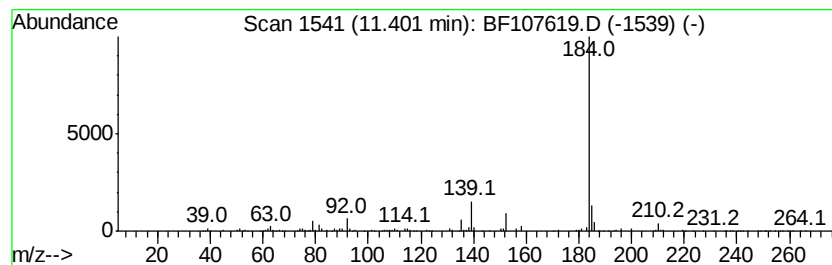
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	7.47 ng	521450	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	87
2		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	72
3		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	56
4		2-Amino-6-chlorobenzothiazole	184	C7H5ClN2S	000095-24-9	53
5		Iron, (.eta.-5-benzocyclohexadie...	250	C15H14Fe	1000156-47-6	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

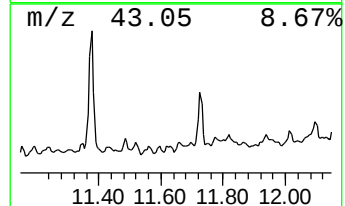
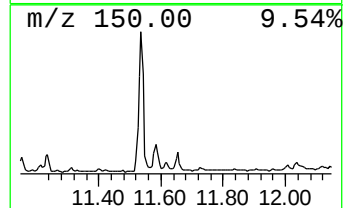
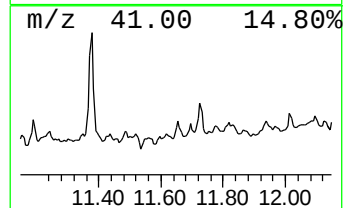
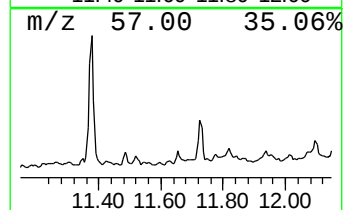
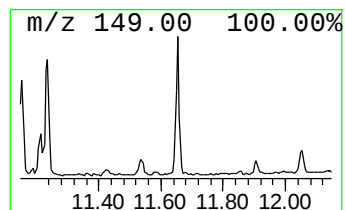
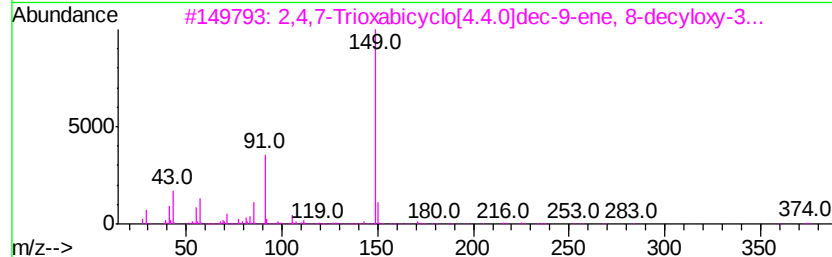
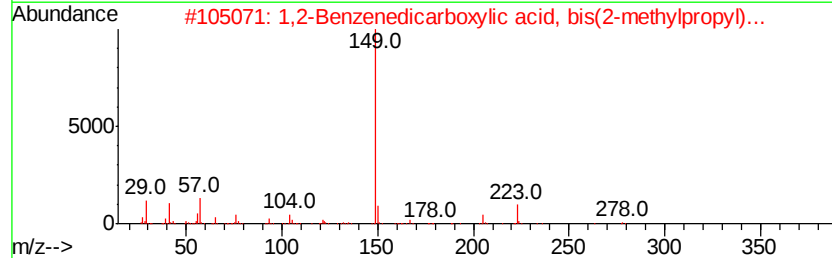
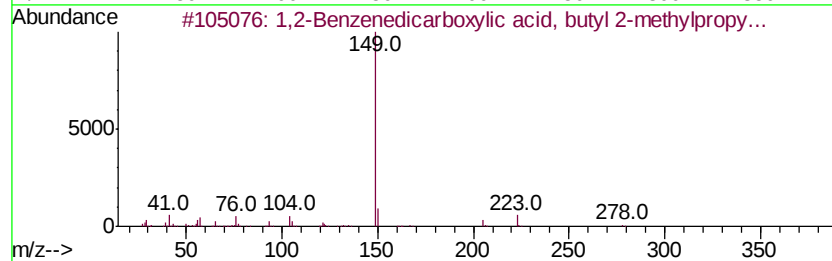
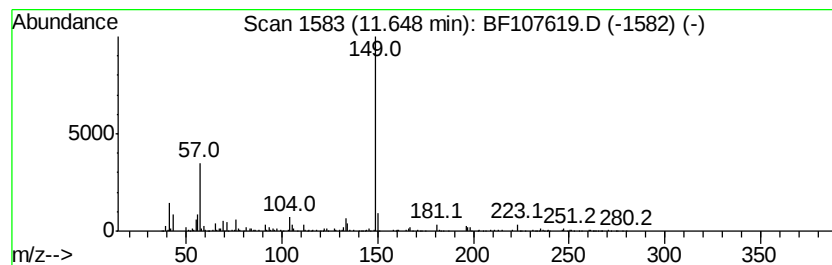
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 1,2-Benzenedicarboxylic aci... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	8.25 ng	576091	Phenanthrene-d10	11.51

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2-Benzenedicarboxylic acid, bu...	278	C16H22O4	017851-53-5	72
2			1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	64
3			2,4,7-Trioxabicyclo[4.4.0]dec-9-...	374	C23H34O4	1000161-14-6	64
4			1,2-Benzenedicarboxylic acid, di...	306	C18H26O4	000131-18-0	64
5			1,2-Benzenedicarboxylic acid, di...	250	C14H18O4	000131-16-8	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

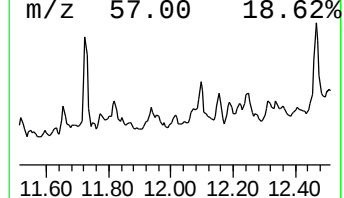
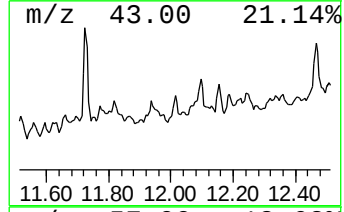
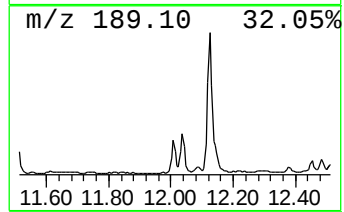
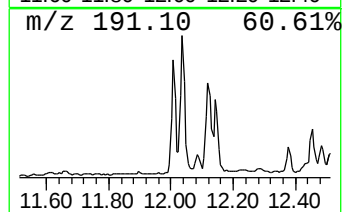
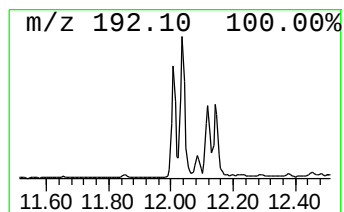
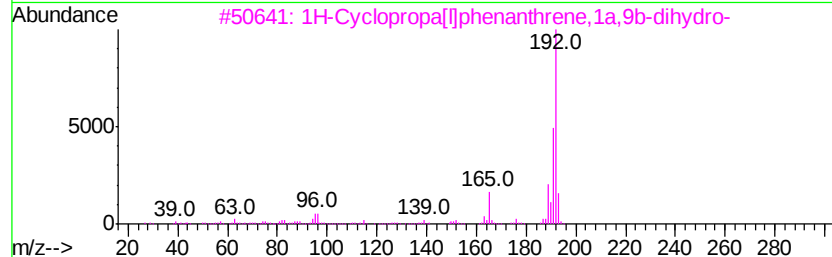
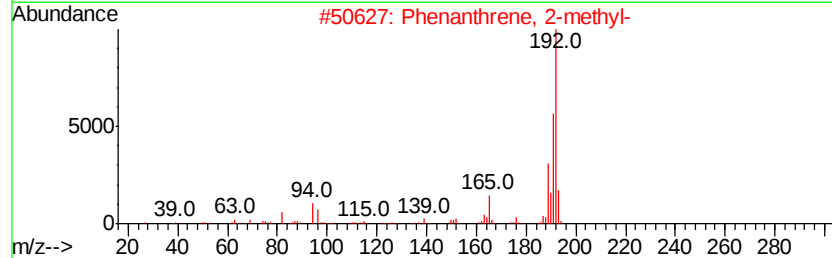
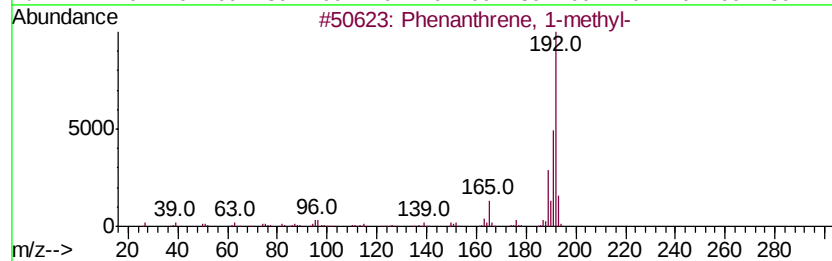
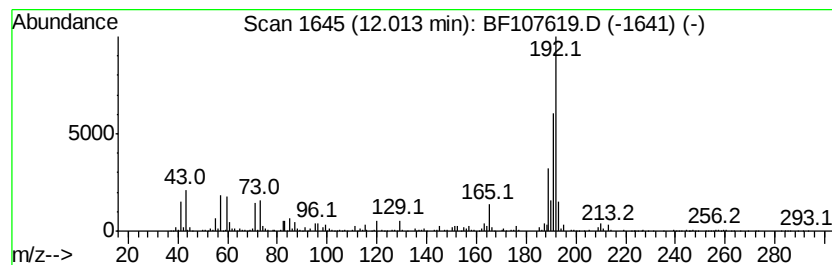
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	18.38 ng	1284010	Phenanthrene-d10	11.51

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	97
3		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5		1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

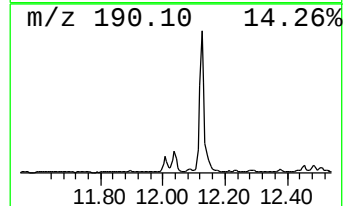
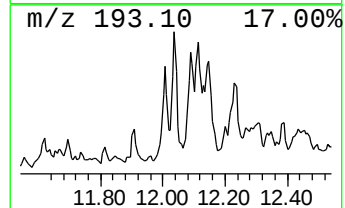
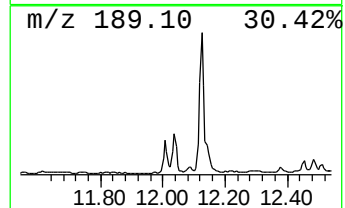
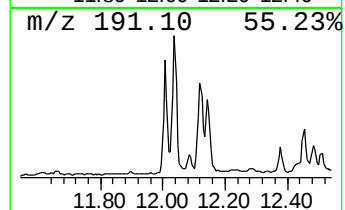
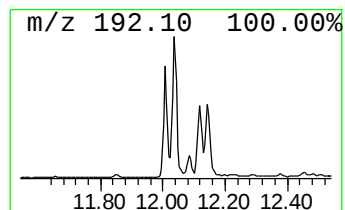
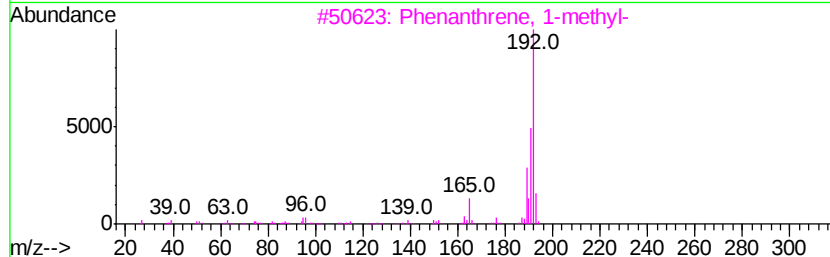
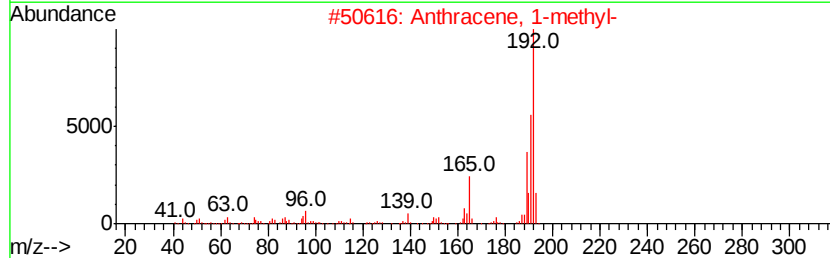
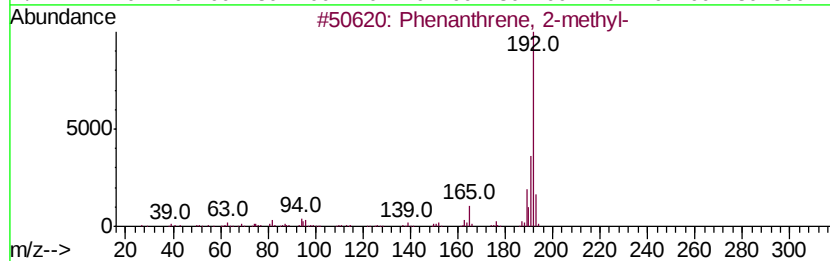
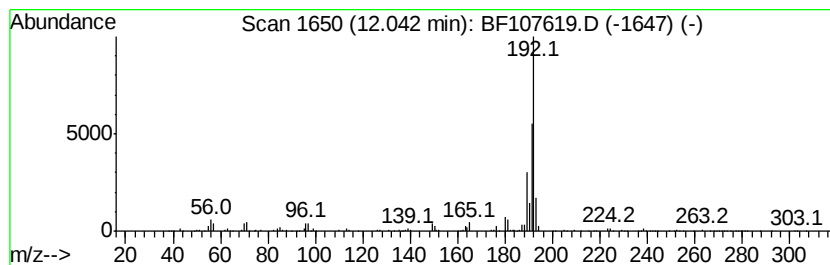
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	13.55 ng	946616	Phenanthrene-d10	11.51

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

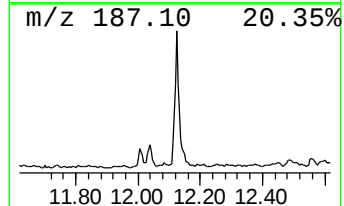
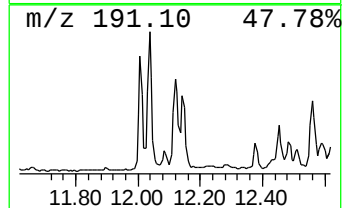
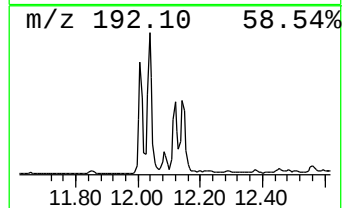
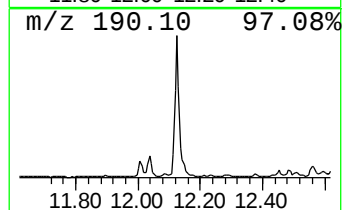
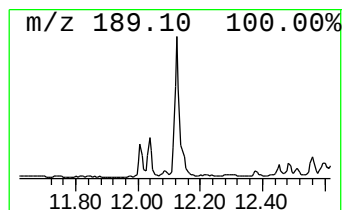
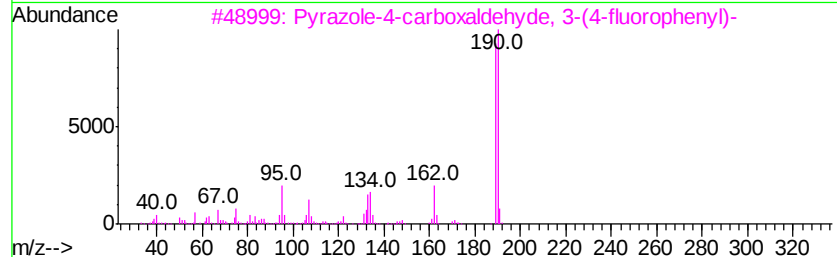
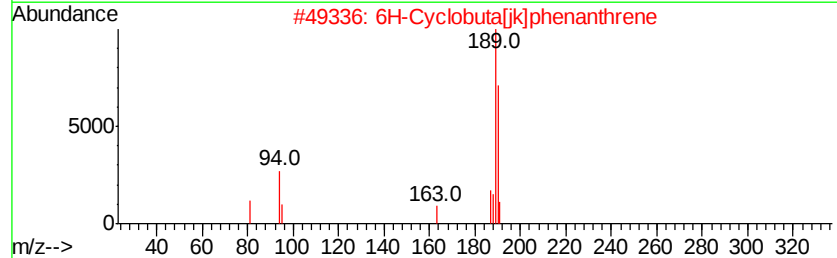
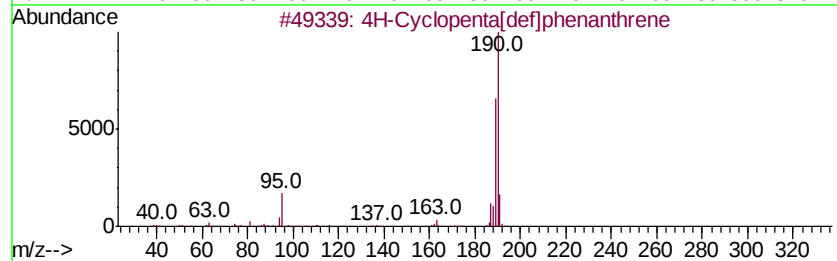
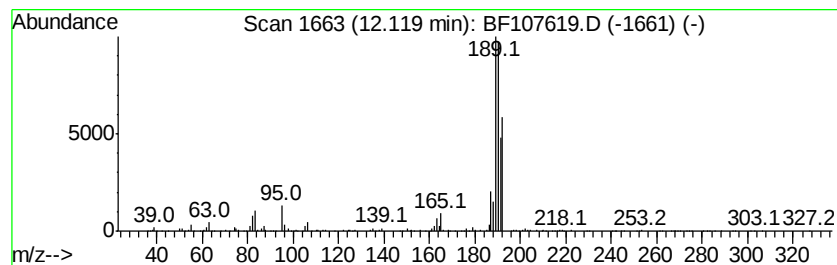
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	19.04 ng	1329830	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3		Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
4		4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	25
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

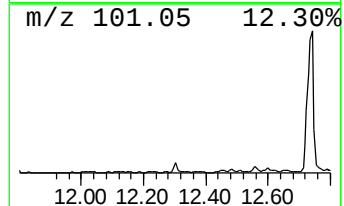
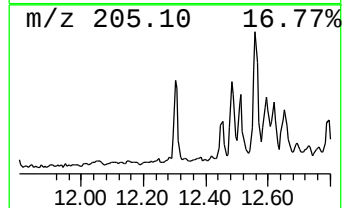
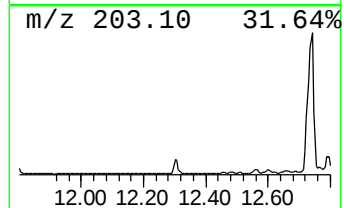
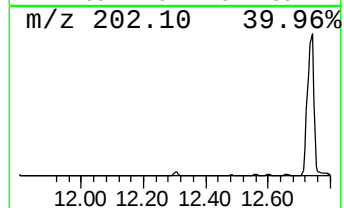
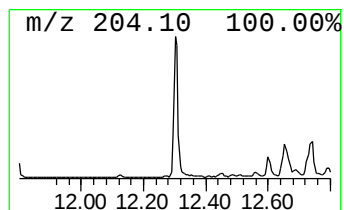
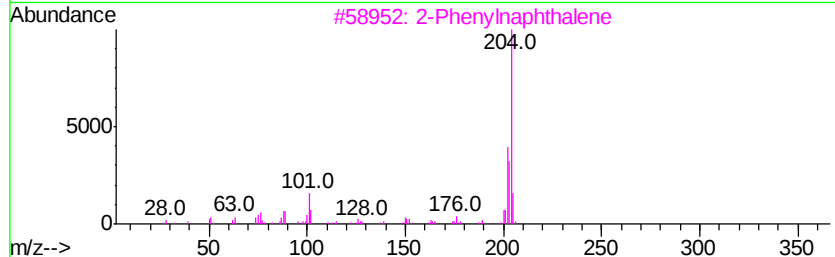
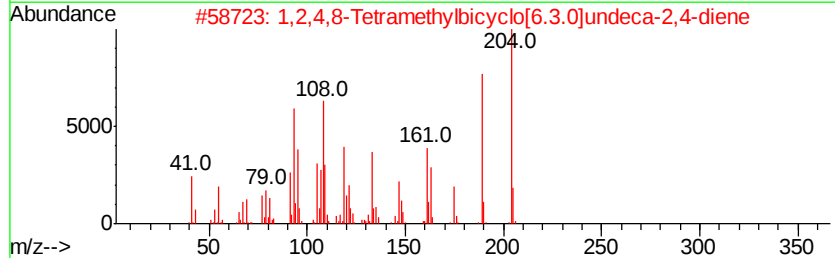
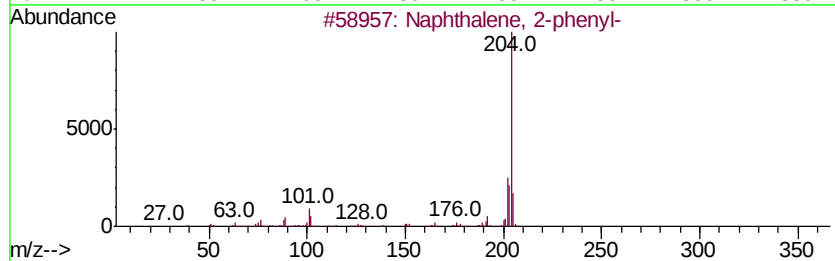
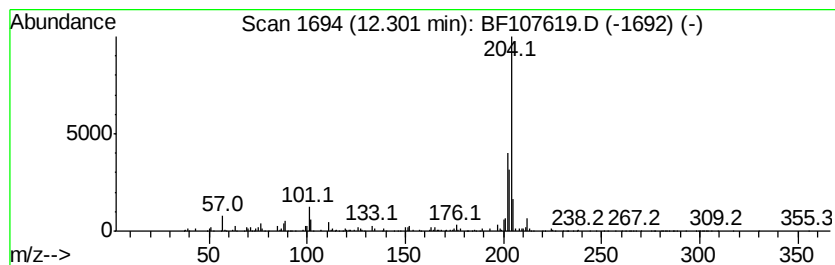
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	7.80 ng	545022	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	89
3		2-Phenylnaphthalene	204	C16H12	035465-71-5	86
4		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
Acq On : 24 Jul 2018 15:24
Operator : JU/SJ
Sample : J4096-04 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-6

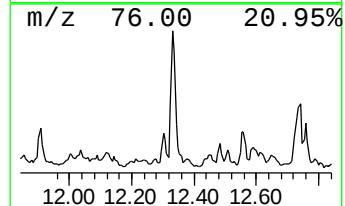
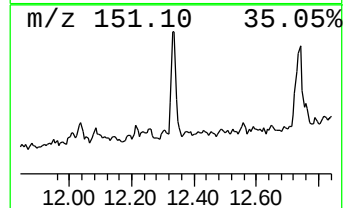
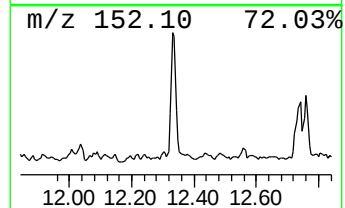
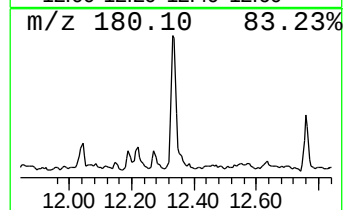
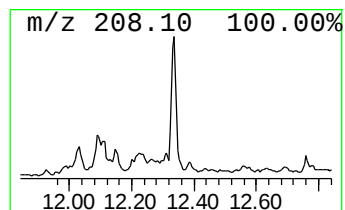
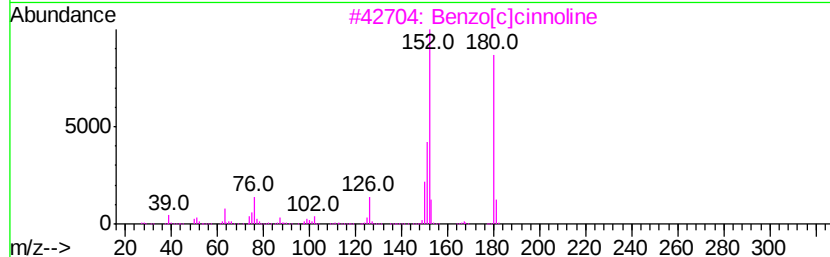
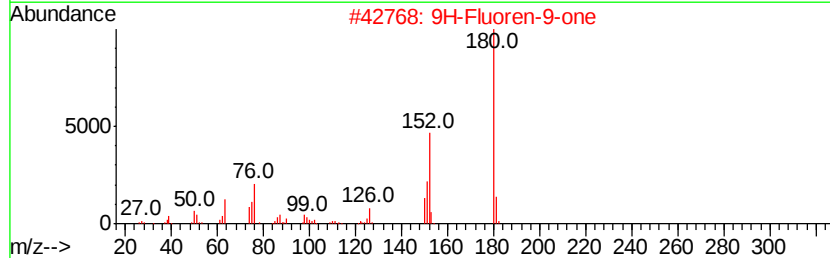
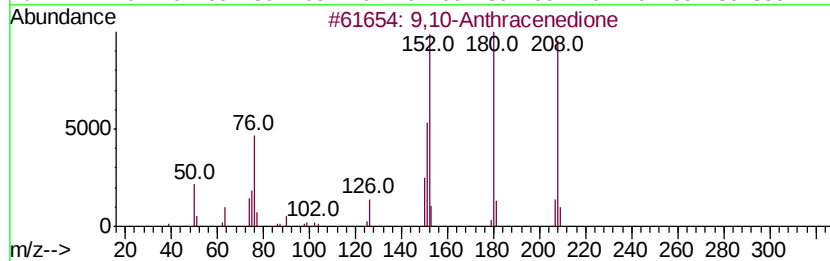
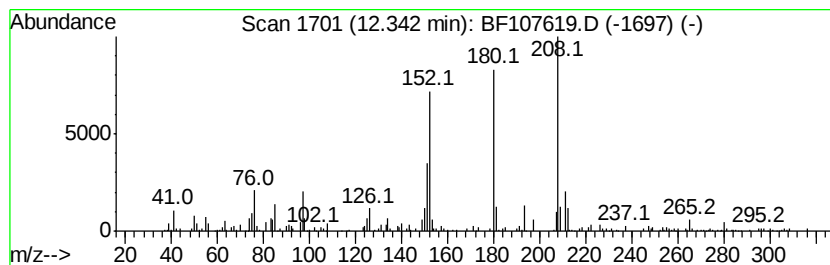
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	8.01 ng	559757	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5		1,4-Anthracenedione	208	C14H8O2	000635-12-1	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107619.D
 Acq On : 24 Jul 2018 15:24
 Operator : JU/SJ
 Sample : J4096-04 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.19	3.7	ng	280450	1	6.97	1505690	20.0
unknown8.53	8.53	2.1	ng	202488	2	8.25	1896940	20.0
Naphthalene, 1-me...	9.07	3.8	ng	359864	2	8.25	1896940	20.0
unknown9.15	9.15	2.4	ng	197336	3	10.01	1656130	20.0
unknown9.18	9.18	2.6	ng	212838	3	10.01	1656130	20.0
Naphthalene, 1,7-...	9.78	3.4	ng	278283	3	10.01	1656130	20.0
Pentadecane, 2,6,...	10.91	76.5	ng	5345650	4	11.51	1396840	20.0
Phenol, 4-(1,1,3,...	10.97	15.8	ng	1101790	4	11.51	1396840	20.0
unknown11.01	11.01	12.4	ng	868455	4	11.51	1396840	20.0
Heptacosane	11.38	44.4	ng	3099850	4	11.51	1396840	20.0
Dibenzothiophene	11.40	7.5	ng	521450	4	11.51	1396840	20.0
1,2-Benzenedicarb...	11.65	8.3	ng	576091	4	11.51	1396840	20.0
Phenanthrene, 1-m...	12.01	18.4	ng	1284010	4	11.51	1396840	20.0
Phenanthrene, 2-m...	12.04	13.6	ng	946616	4	11.51	1396840	20.0
4H-Cyclopenta[def...	12.12	19.0	ng	1329830	4	11.51	1396840	20.0
Naphthalene, 2-ph...	12.30	7.8	ng	545022	4	11.51	1396840	20.0
9,10-Anthracenedione	12.34	8.0	ng	559757	4	11.51	1396840	20.0