

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
 Data File : BF107309.D
 Acq On : 11 Jul 2018 19:19
 Operator : JU/SJ
 Sample : J3914-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2

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-BF061918.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	5.154	476	479	489	rBV	79932	91435	10.44%	0.637%
2	5.572	547	550	565	rBV	616108	644005	73.54%	4.485%
3	6.578	718	721	737	rBV	614022	630792	72.03%	4.393%
4	6.707	740	743	748	rBV	689987	635931	72.62%	4.429%
5	6.931	778	781	786	rBV	388323	308876	35.27%	2.151%
6	7.089	804	808	811	rBV	535175	510727	58.32%	3.557%
7	7.495	873	877	887	rBV	411955	375005	42.82%	2.612%
8	8.219	996	1000	1002	rBV	378244	346207	39.53%	2.411%
9	8.236	1002	1003	1011	rVB	53533	40769	4.66%	0.284%
10	8.936	1119	1122	1126	rBB	13261	12887	1.47%	0.090%
11	9.289	1178	1182	1190	rBV	775064	649735	74.20%	4.525%
12	9.636	1237	1241	1244	rBV2	10042	10520	1.20%	0.073%
13	9.683	1247	1249	1254	rVB	119401	104663	11.95%	0.729%
14	9.842	1272	1276	1280	rBV	15459	13903	1.59%	0.097%
15	9.983	1296	1300	1303	rBV	392048	370372	42.29%	2.579%
16	10.013	1303	1305	1309	rVB	83631	62455	7.13%	0.435%
17	10.189	1330	1335	1338	rBV	26132	24339	2.78%	0.170%
18	10.383	1365	1368	1374	rVB	11378	11692	1.34%	0.081%
19	10.530	1389	1393	1399	rVB	56044	52478	5.99%	0.365%
20	10.689	1418	1420	1423	rVB2	13286	11135	1.27%	0.078%
21	10.777	1431	1435	1441	rBV	461103	449397	51.32%	3.130%
22	10.860	1447	1449	1453	rBV	9908	12061	1.38%	0.084%
23	11.083	1480	1487	1490	rBV2	50519	59051	6.74%	0.411%
24	11.207	1503	1508	1510	rBV4	9851	15412	1.76%	0.107%
25	11.230	1510	1512	1517	rVB2	11512	14371	1.64%	0.100%
26	11.289	1518	1522	1524	rVV2	23494	22612	2.58%	0.157%
27	11.313	1524	1526	1528	rVV2	16318	18825	2.15%	0.131%
28	11.330	1528	1529	1533	rVV3	15845	16523	1.89%	0.115%
29	11.377	1533	1537	1540	rVB	26610	27989	3.20%	0.195%
30	11.477	1551	1554	1556	rBV	483621	448284	51.19%	3.122%
31	11.507	1556	1559	1562	rVV	527884	478046	54.59%	3.329%
32	11.554	1562	1567	1571	rVV	139142	137694	15.72%	0.959%
33	11.589	1571	1573	1577	rVB	16304	17206	1.96%	0.120%
34	11.719	1590	1595	1597	rBV2	67862	72941	8.33%	0.508%

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
 Data File : BF107309.D
 Acq On : 11 Jul 2018 19:19
 Operator : JU/SJ
 Sample : J3914-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2

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-BF061918.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.736	1597	1598	1601	rVB2	15119	12089	1.38%	0.084%
36	11.813	1609	1611	1617	rVB3	14650	14858	1.70%	0.103%
37	11.942	1631	1633	1637	rBV5	8954	14195	1.62%	0.099%
38	11.983	1637	1640	1642	rVV	93902	85922	9.81%	0.598%
39	12.013	1642	1645	1648	rVV	129521	112633	12.86%	0.784%
40	12.060	1650	1653	1656	rVV	52497	47182	5.39%	0.329%
41	12.095	1656	1659	1662	rVV2	127662	163872	18.71%	1.141%
42	12.119	1662	1663	1666	rVB	73026	40467	4.62%	0.282%
43	12.148	1666	1668	1674	rBV5	17737	29814	3.40%	0.208%
44	12.277	1687	1690	1693	rVV	54602	47528	5.43%	0.331%
45	12.319	1694	1697	1700	rVB	42473	41481	4.74%	0.289%
46	12.348	1700	1702	1705	rBV2	11804	10993	1.26%	0.077%
47	12.424	1713	1715	1718	rVB2	28846	23923	2.73%	0.167%
48	12.460	1718	1721	1723	rBV	25054	19990	2.28%	0.139%
49	12.483	1723	1725	1728	rBV2	27160	19389	2.21%	0.135%
50	12.536	1730	1734	1737	rBV	97990	104317	11.91%	0.726%
51	12.630	1746	1750	1753	rBV3	43448	67955	7.76%	0.473%
52	12.660	1753	1755	1758	rVB2	30924	26050	2.97%	0.181%
53	12.707	1759	1763	1766	rVV	794677	742102	84.74%	5.168%
54	12.730	1766	1767	1770	rVV	18444	18358	2.10%	0.128%
55	12.766	1770	1773	1775	rVB2	24099	24895	2.84%	0.173%
56	12.913	1795	1798	1800	rBV2	194273	221208	25.26%	1.541%
57	12.936	1800	1802	1807	rVV	754222	683644	78.07%	4.761%
58	12.983	1807	1810	1814	rVB2	46791	55052	6.29%	0.383%
59	13.066	1819	1824	1827	rVV	972920	875710	100.00%	6.099%
60	13.101	1827	1830	1833	rVB	43312	45926	5.24%	0.320%
61	13.154	1834	1839	1842	rBV2	57141	102675	11.72%	0.715%
62	13.266	1850	1858	1862	rBV2	207162	287122	32.79%	2.000%
63	13.330	1866	1869	1871	rBV	97064	90049	10.28%	0.627%
64	13.366	1871	1875	1878	rBV2	65144	84810	9.68%	0.591%
65	13.460	1889	1891	1894	rBV	53704	49768	5.68%	0.347%
66	13.495	1894	1897	1899	rVV	51852	50279	5.74%	0.350%
67	13.613	1914	1917	1919	rBV	95767	80280	9.17%	0.559%
68	13.777	1943	1945	1949	rVB	63799	56519	6.45%	0.394%
69	13.889	1961	1964	1966	rBV	73884	65451	7.47%	0.456%
70	13.913	1966	1968	1970	rVV	80467	60717	6.93%	0.423%
71	13.942	1970	1973	1979	rVV3	222863	249890	28.54%	1.740%

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.989	1979	1981	1985	rVB	63977	56260	6.42%	0.392%
73	14.142	2002	2007	2009	rBV2	619925	856156	97.77%	5.963%
74	14.165	2009	2011	2015	rVB	362888	313814	35.84%	2.185%
75	14.254	2023	2026	2031	rVB2	119313	150439	17.18%	1.048%
76	14.530	2071	2073	2076	rVB	72377	54531	6.23%	0.380%
77	14.565	2076	2079	2083	rBV	143622	150110	17.14%	1.045%
78	14.883	2131	2133	2137	rVB	91389	94748	10.82%	0.660%
79	15.230	2187	2192	2203	rVB2	260193	557321	63.64%	3.881%
80	15.548	2243	2246	2252	rVB	126211	150020	17.13%	1.045%
81	15.618	2254	2258	2265	rBV2	182484	310460	35.45%	2.162%
82	15.683	2265	2269	2272	rBV	210210	239692	27.37%	1.669%

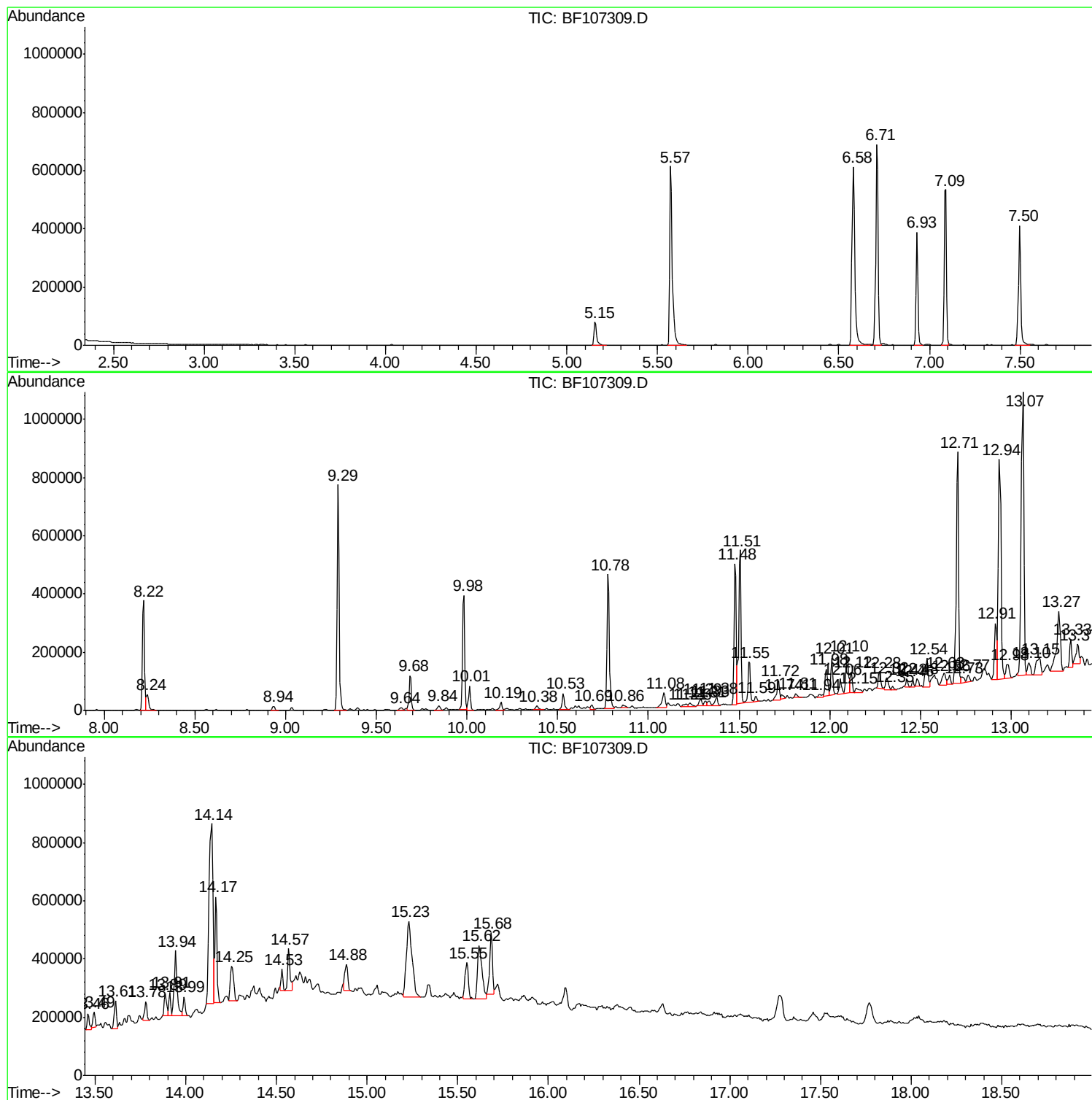
Sum of corrected areas: 14359002

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

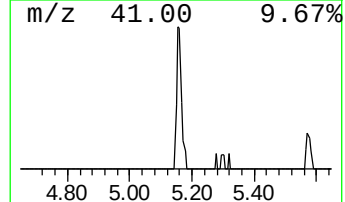
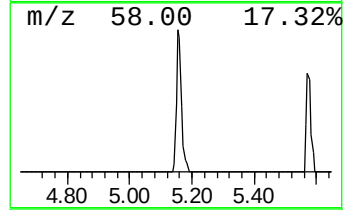
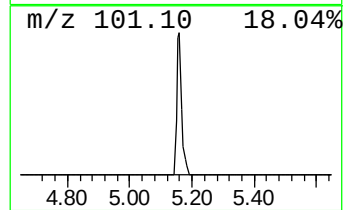
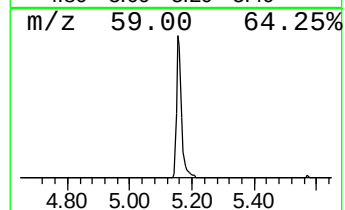
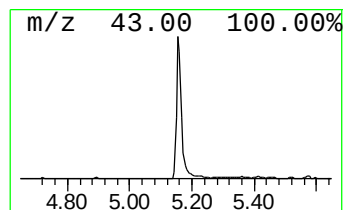
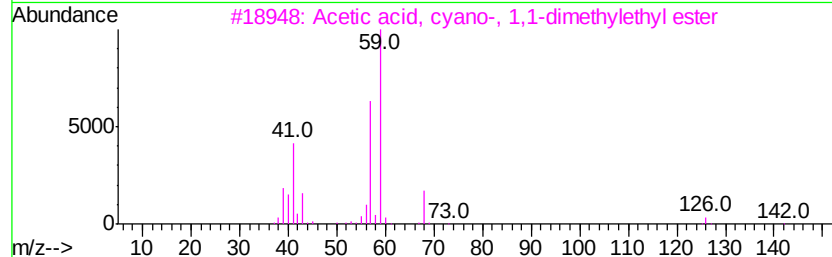
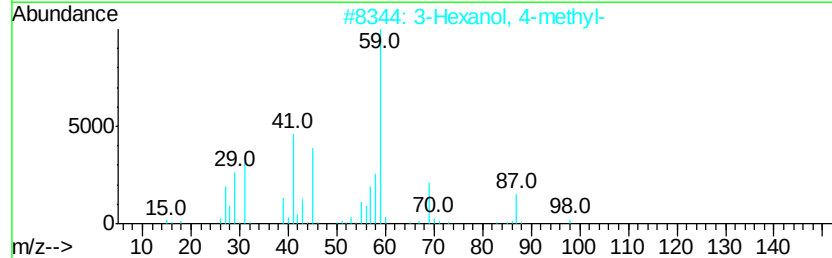
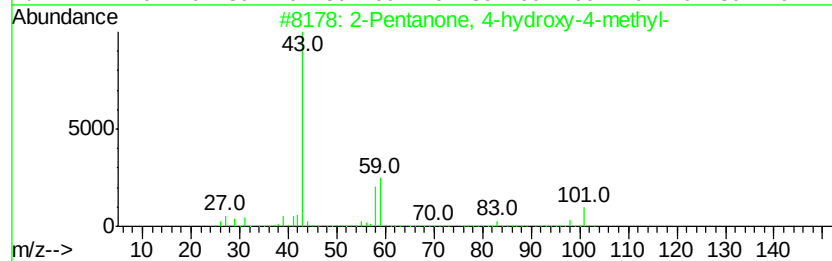
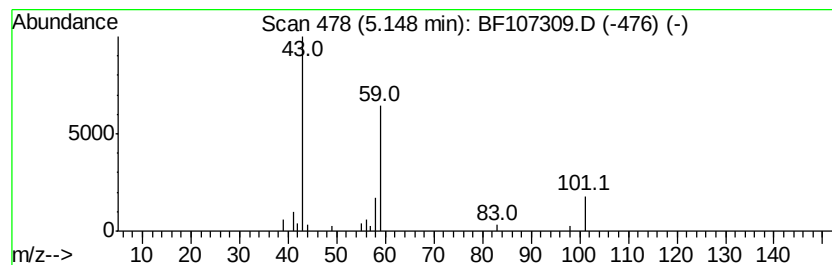
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	5.92 ng	91435	1,4-Dichlorobenzene-d4	6.93

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
4			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

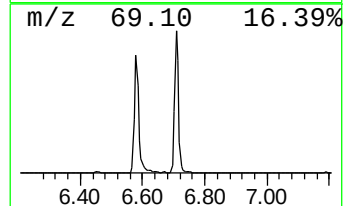
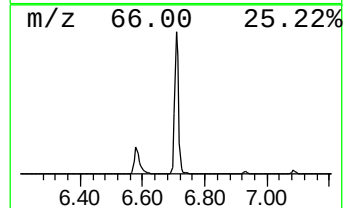
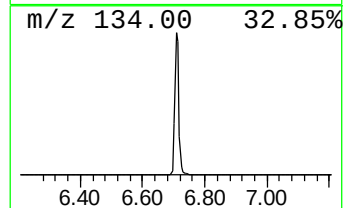
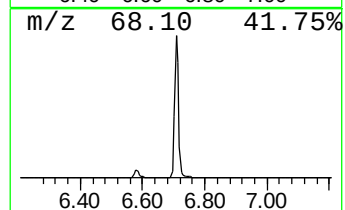
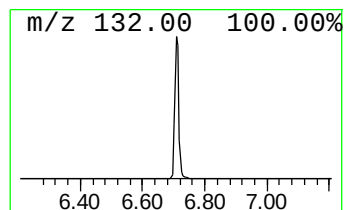
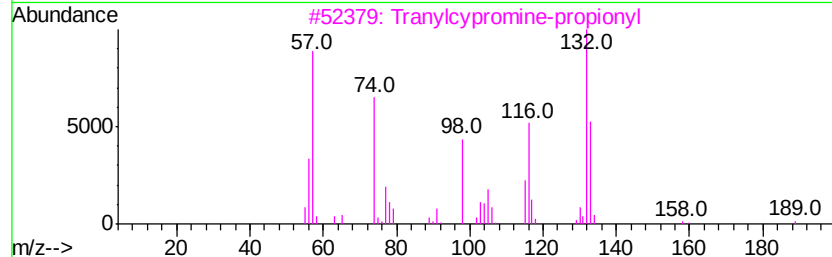
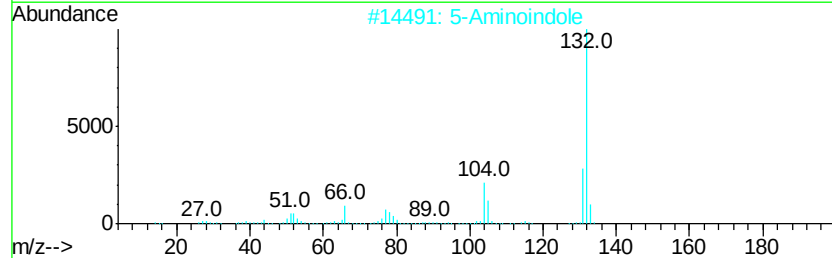
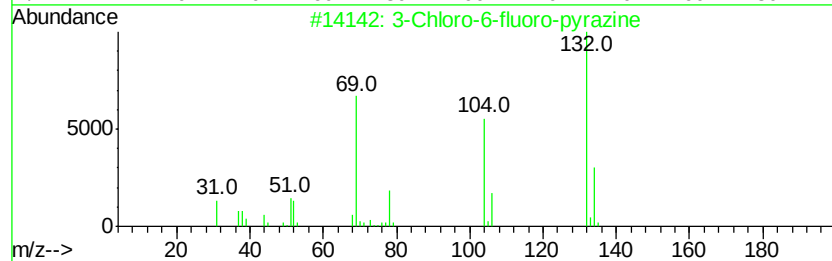
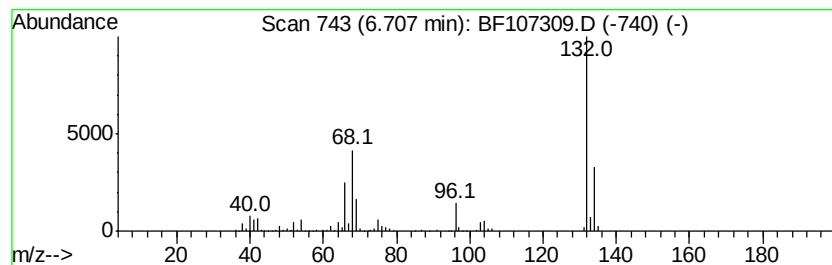
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	41.18 ng	635931	1,4-Dichlorobenzene-d4	6.93

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4			2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5			1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

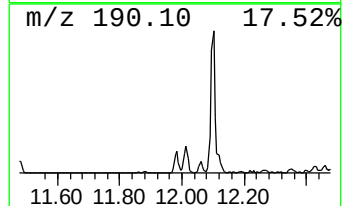
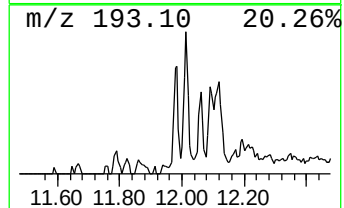
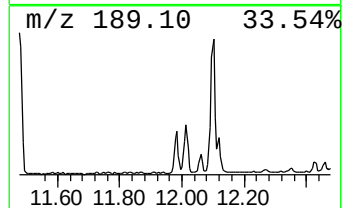
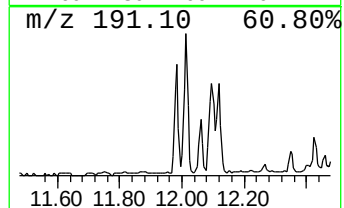
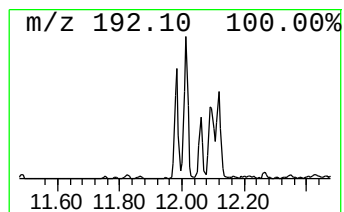
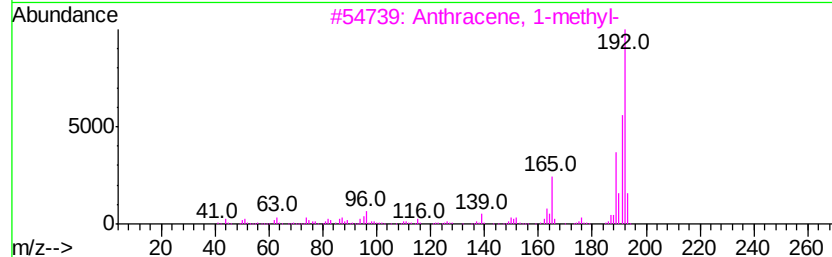
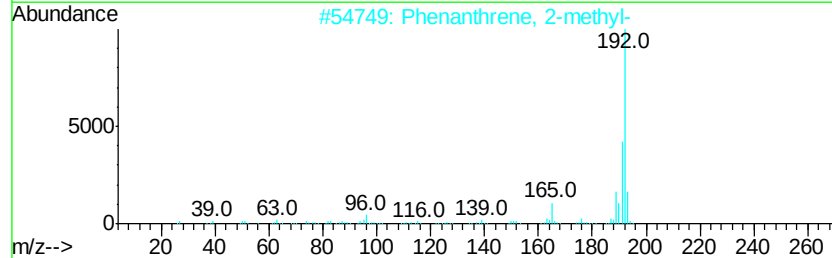
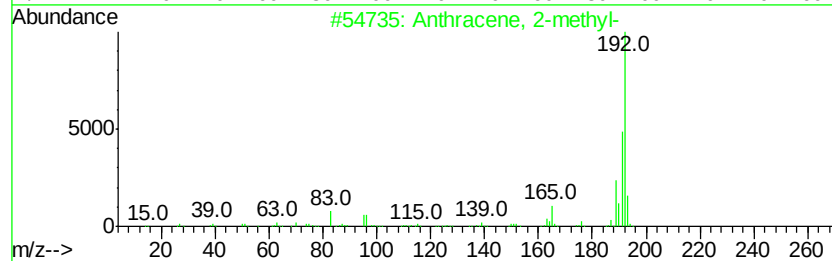
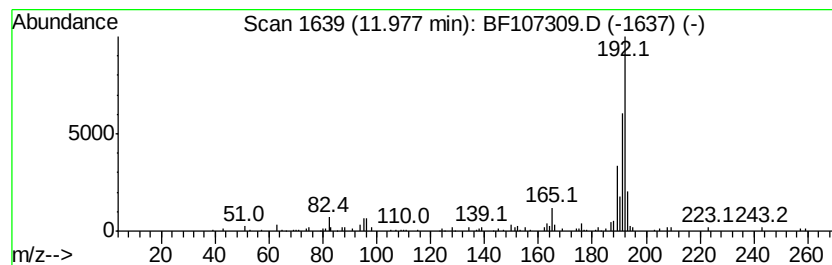
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	3.83 ng	85922	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

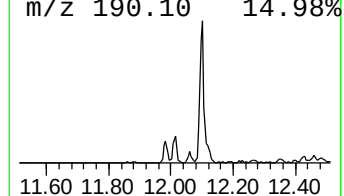
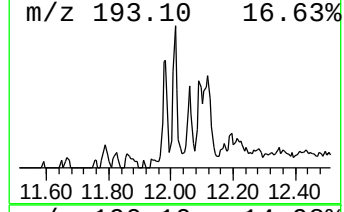
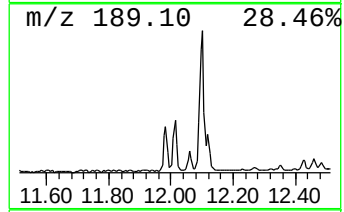
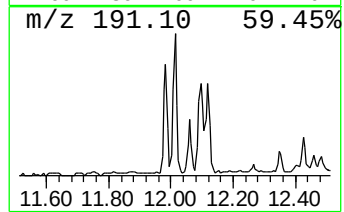
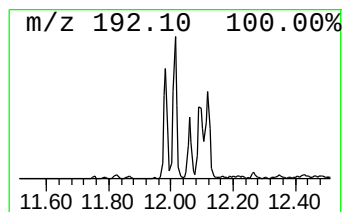
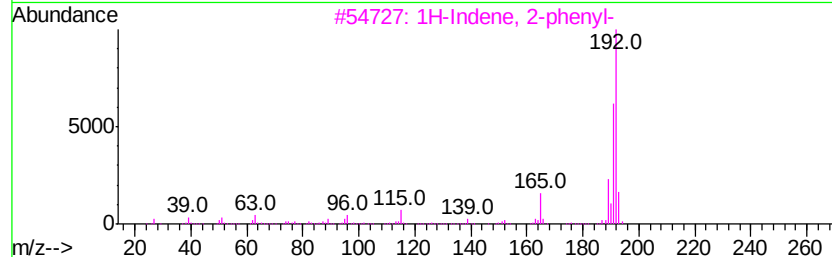
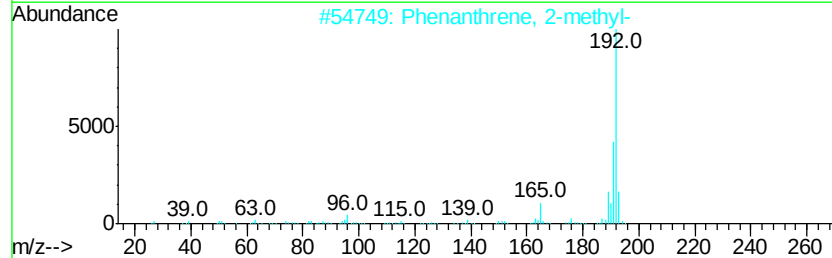
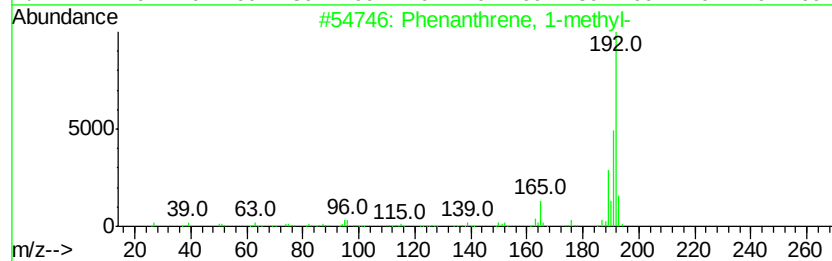
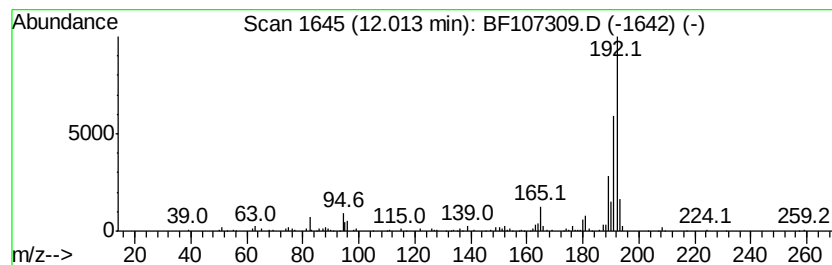
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	5.03 ng	112633	Phenanthrene-d10	11.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

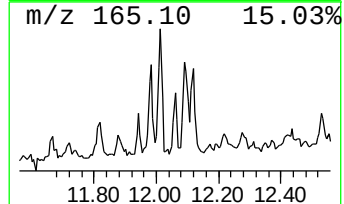
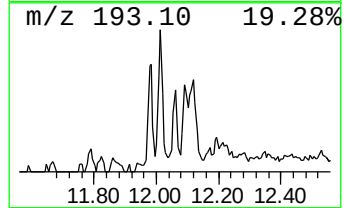
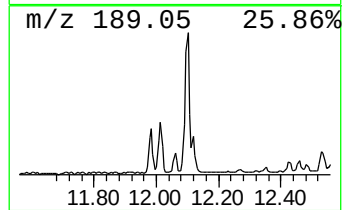
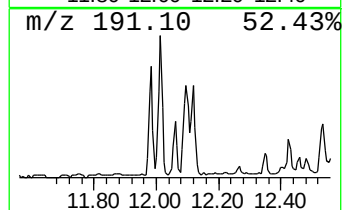
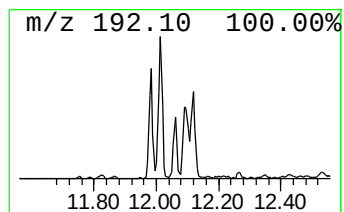
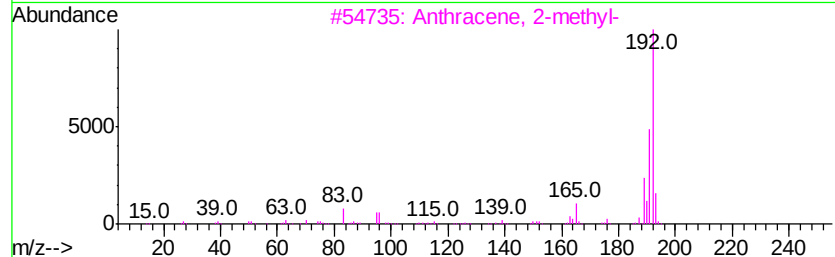
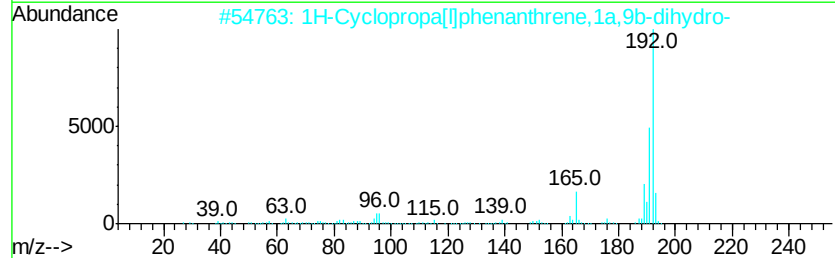
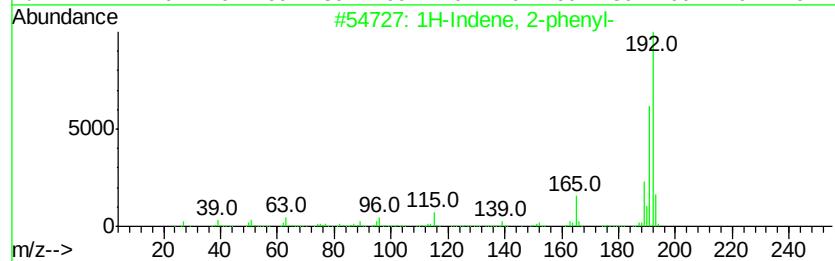
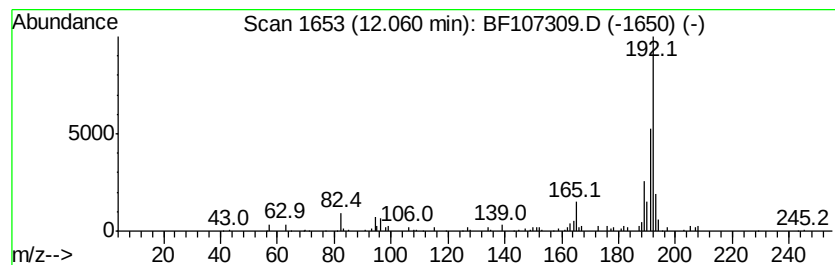
Instrument :
BNA_F
ClientSampleId :
B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.06	2.11 ng	47182	Phenanthrene-d10		11.48
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

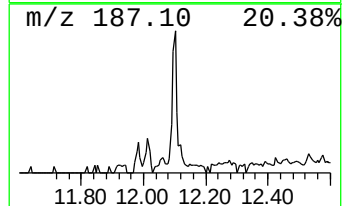
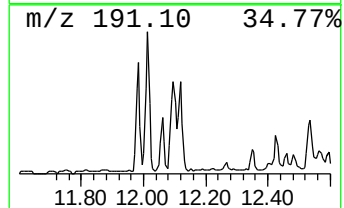
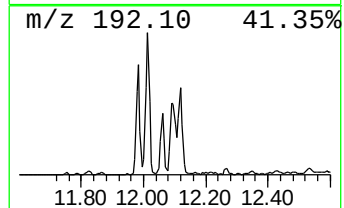
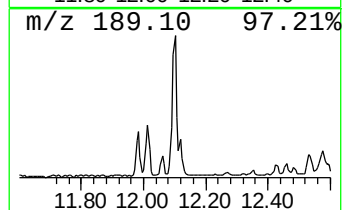
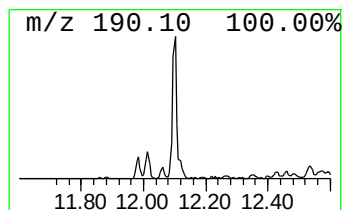
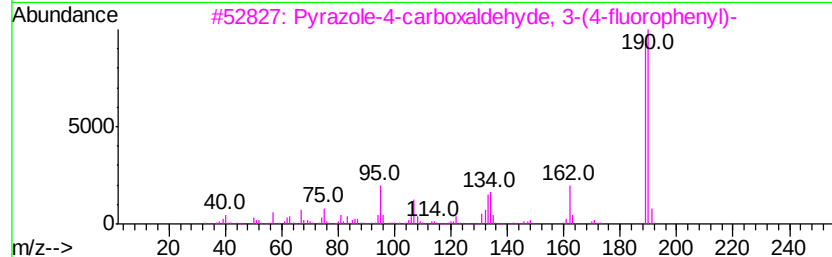
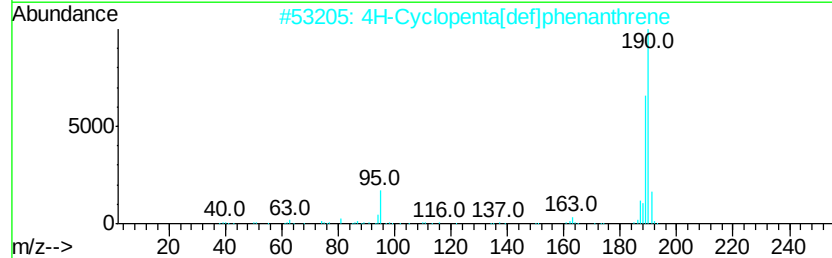
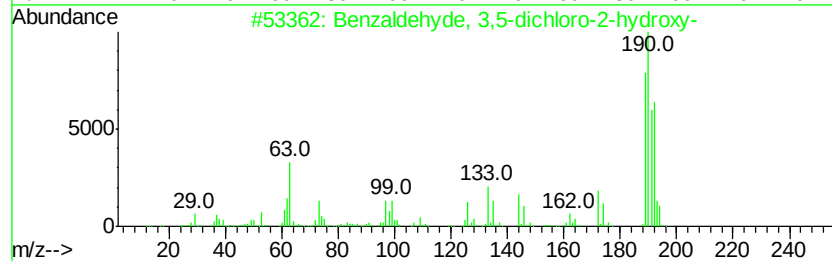
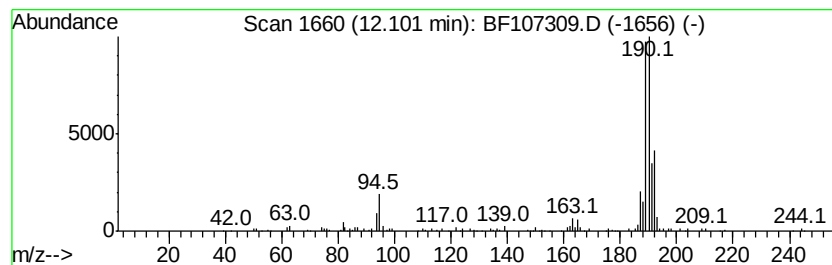
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	7.31 ng	163872	Phenanthrene-d10	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3			Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	46
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5			Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

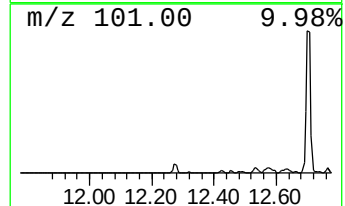
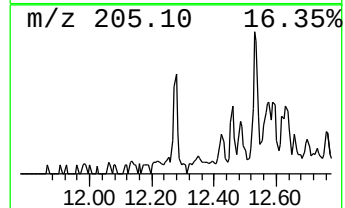
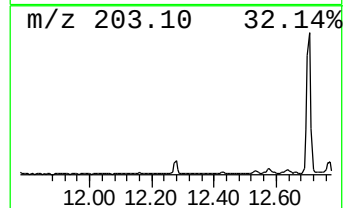
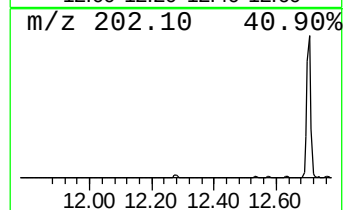
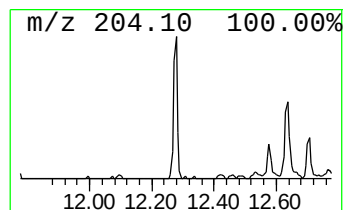
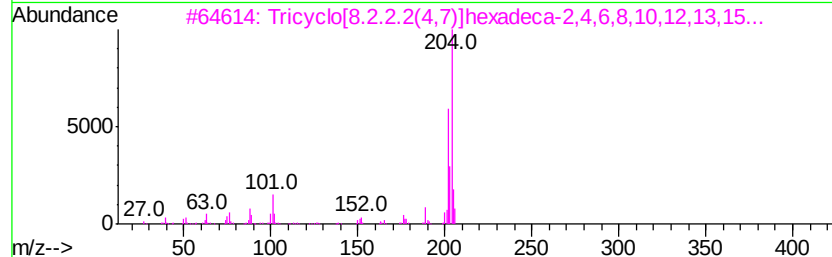
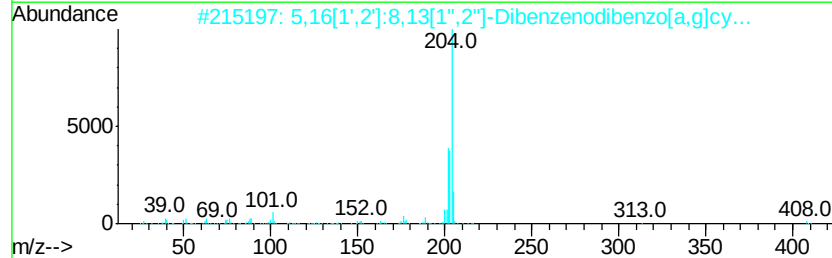
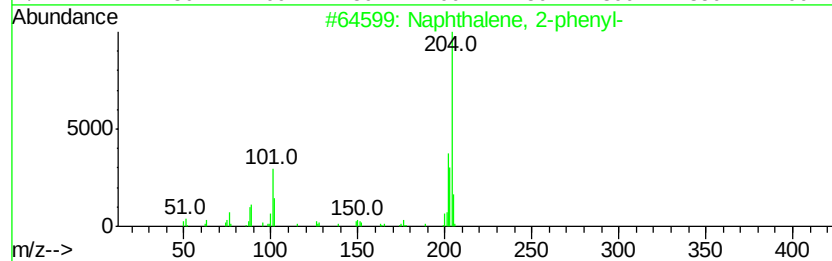
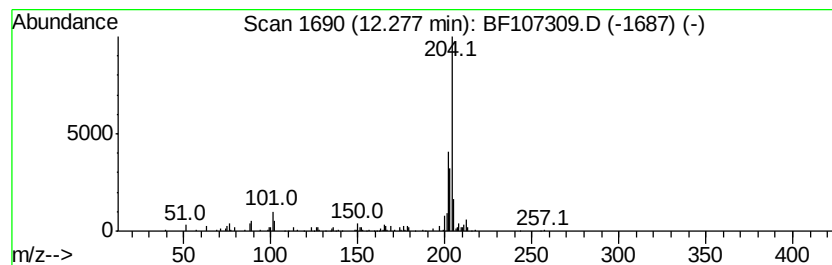
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.12 ng	47528	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	46
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

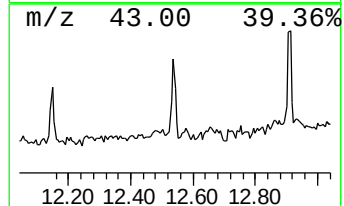
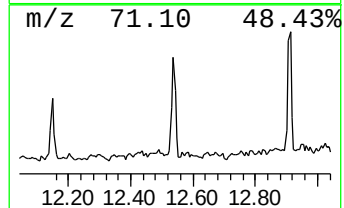
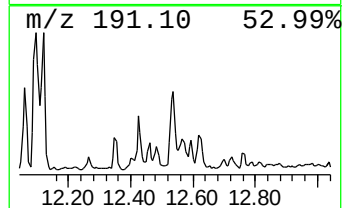
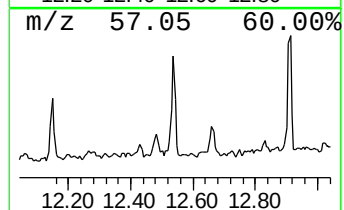
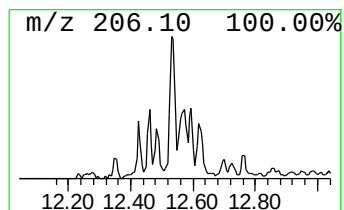
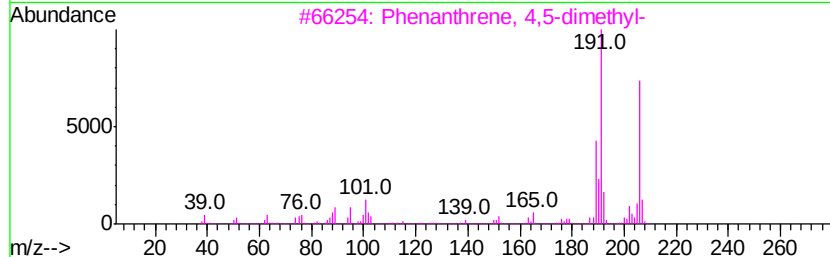
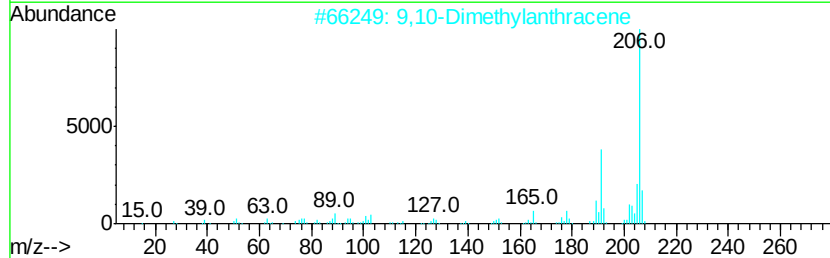
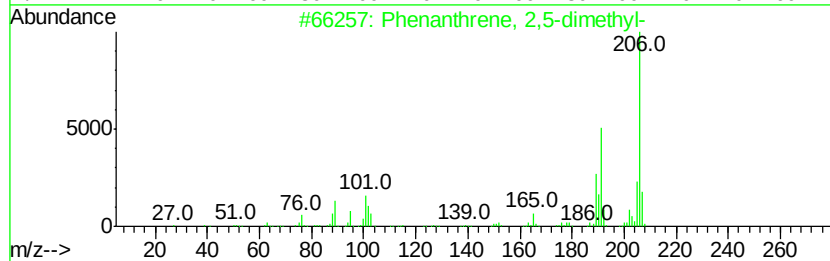
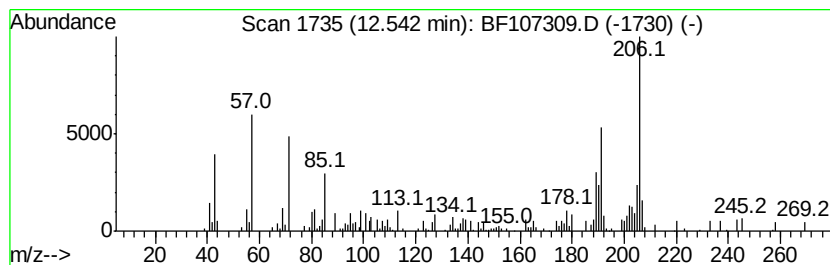
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	4.65 ng	104317	Phenanthrene-d10	11.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	90
3		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
4		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	76
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

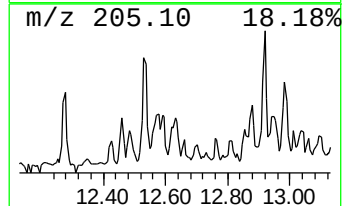
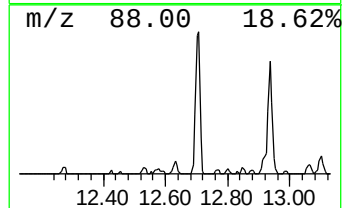
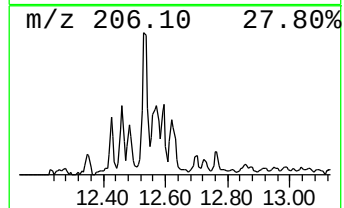
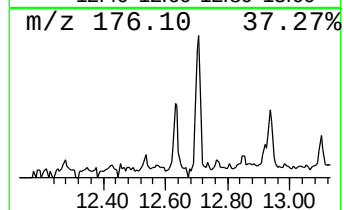
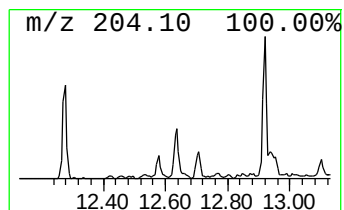
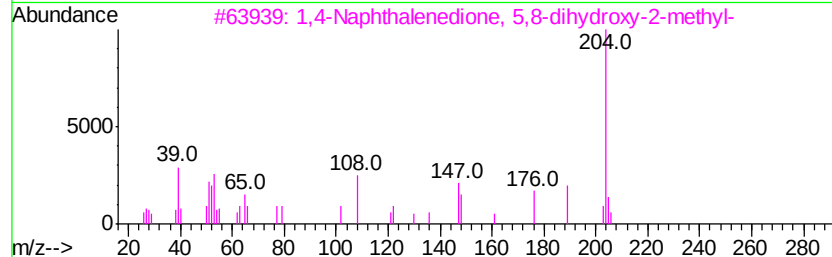
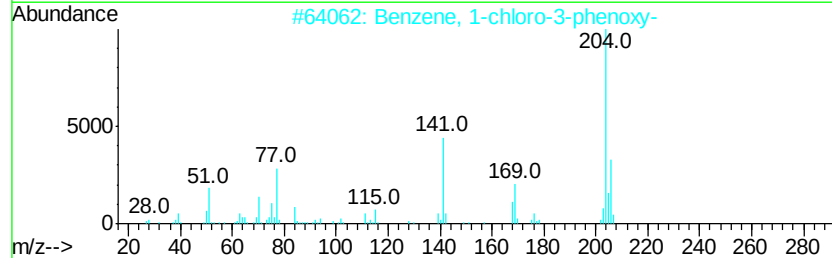
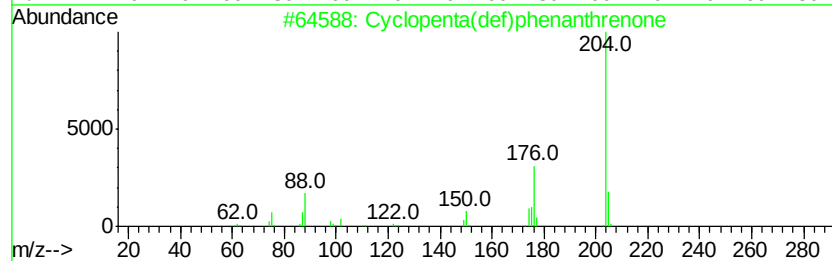
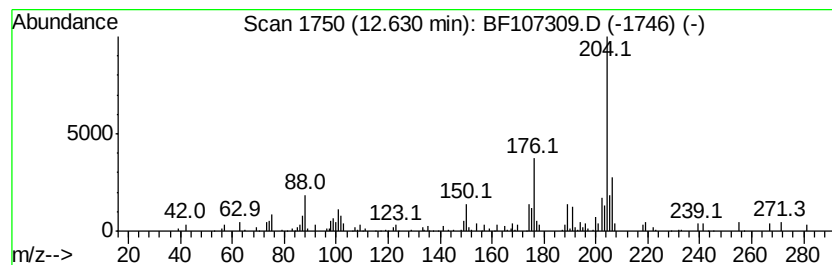
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	3.03 ng	67955	Phenanthrene-d10	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2			Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	58
3			1,4-Naphthalenedione, 5,8-dihydr...	204	C11H8O4	014554-09-7	53
4			1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	50
5			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

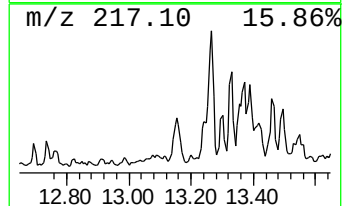
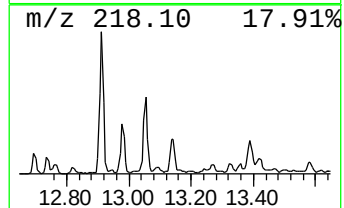
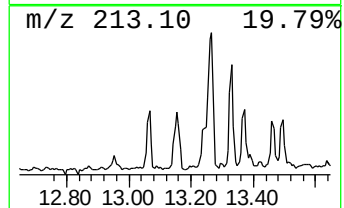
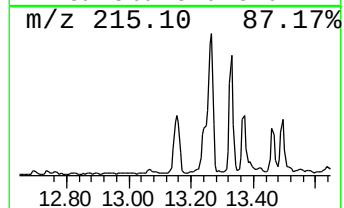
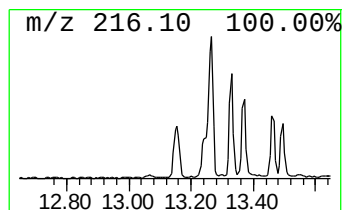
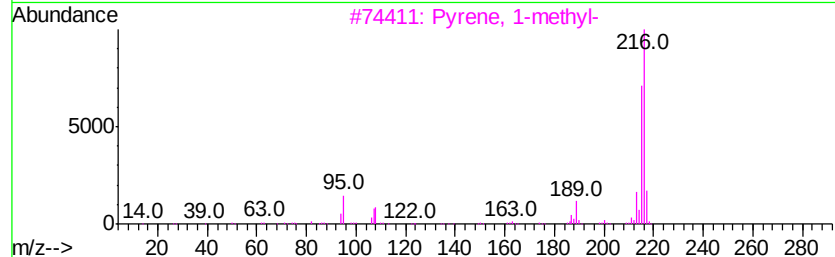
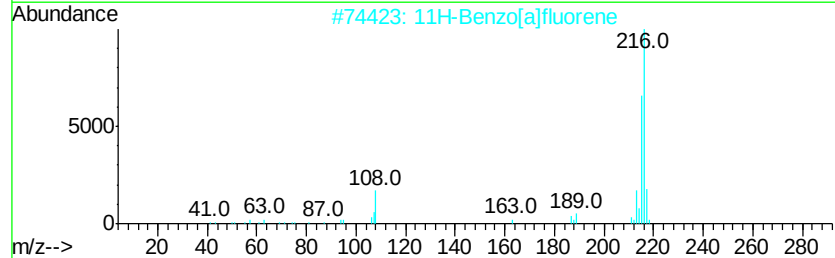
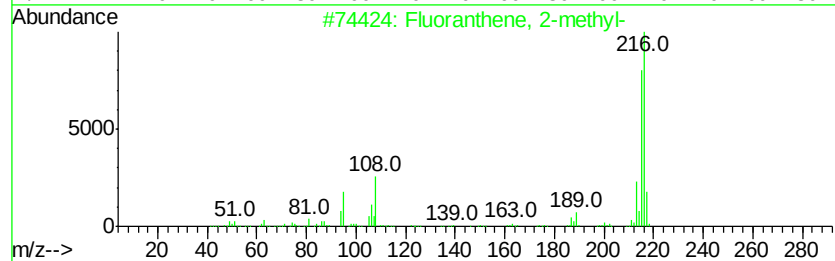
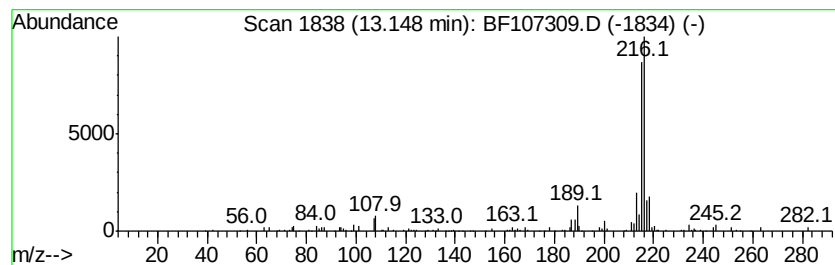
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.40 ng	102675	Chrysene-d12	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

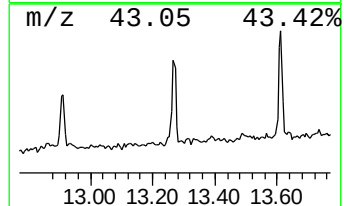
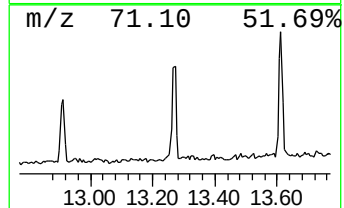
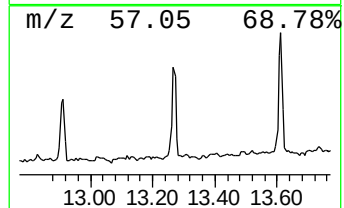
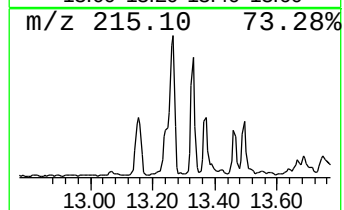
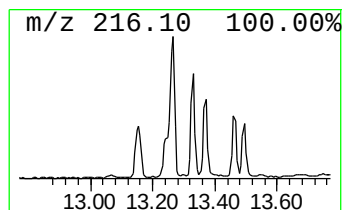
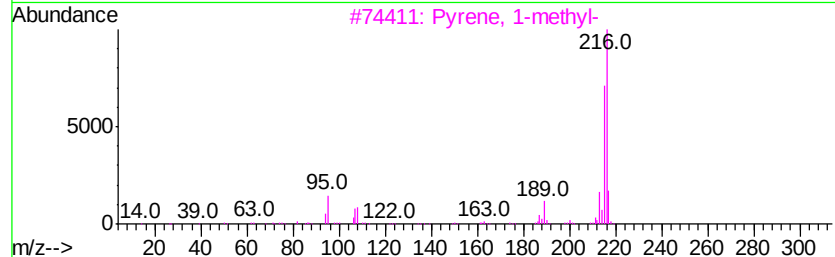
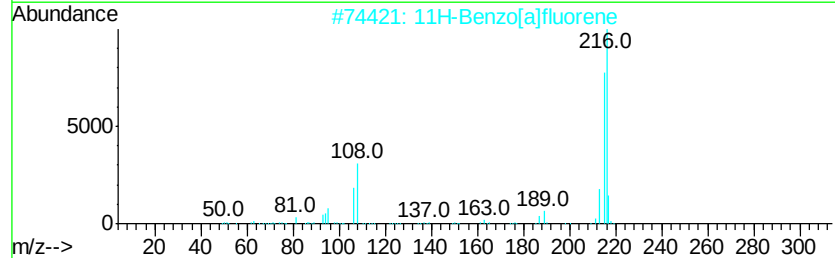
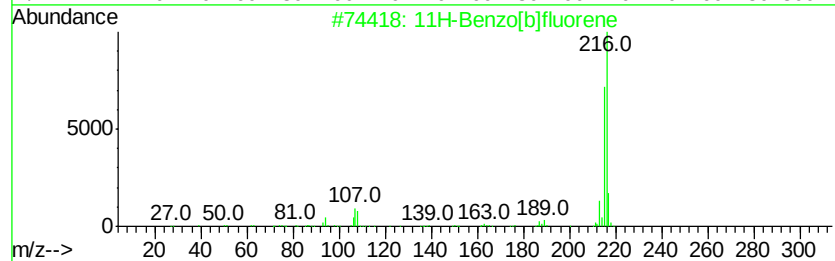
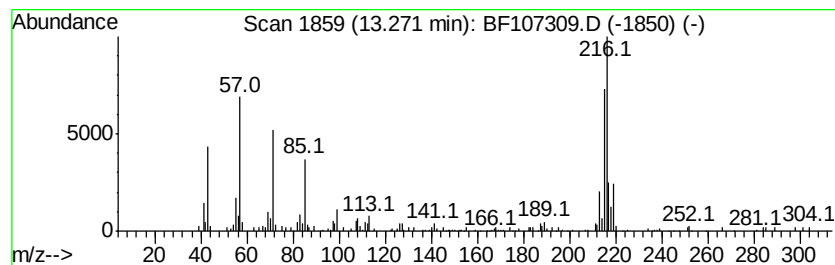
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	6.71 ng	287122	Chrysene-d12	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	83
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5		1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

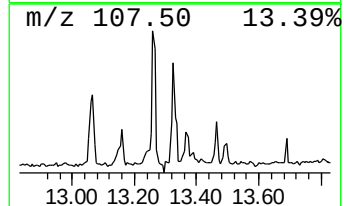
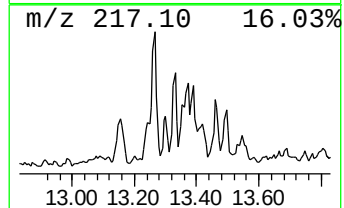
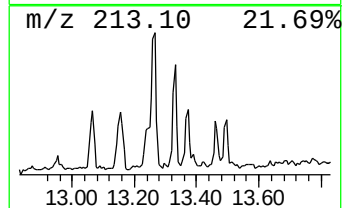
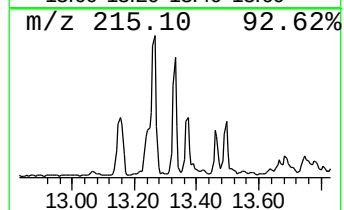
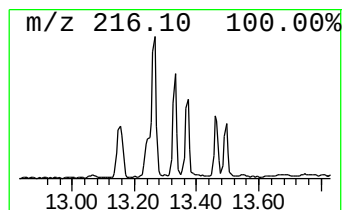
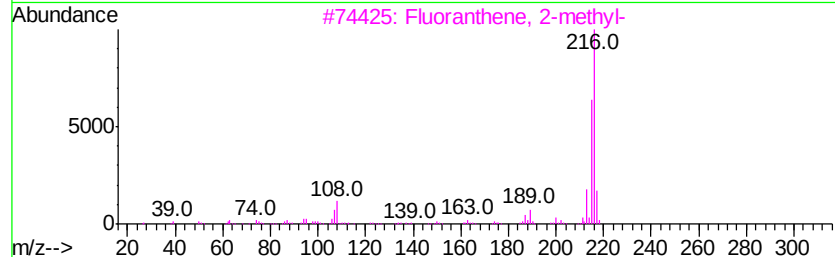
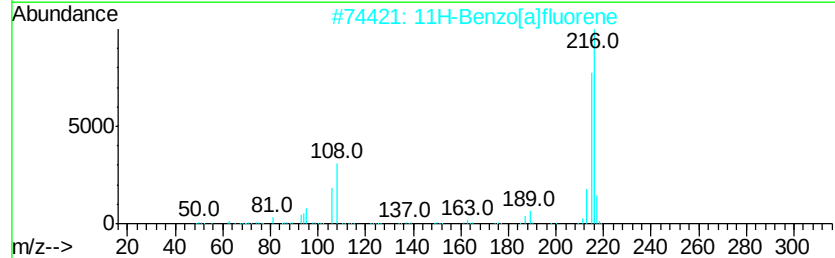
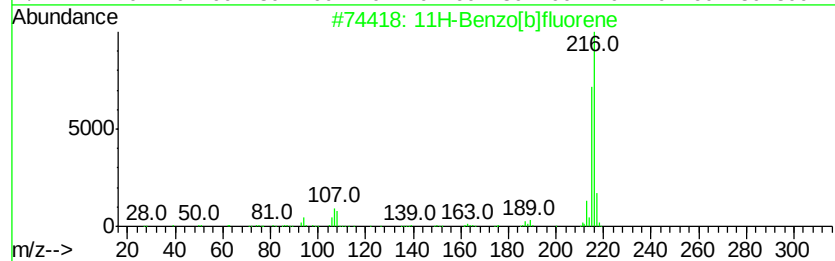
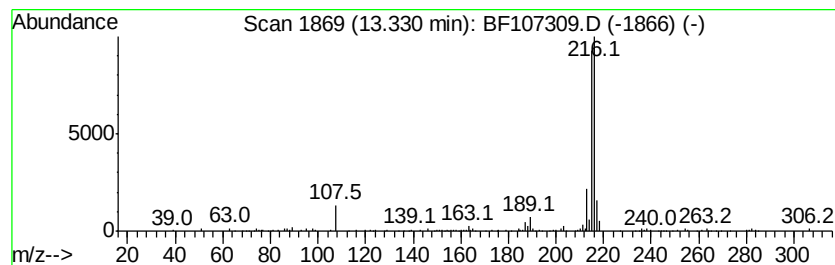
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	2.10 ng	90049	Chrysene-d12	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	52
5		Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
B2

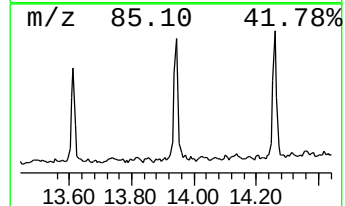
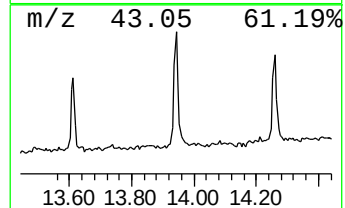
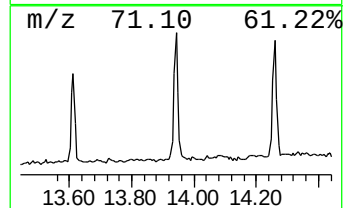
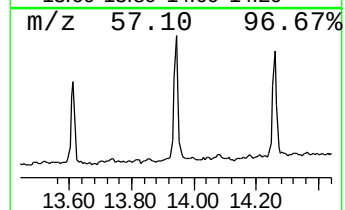
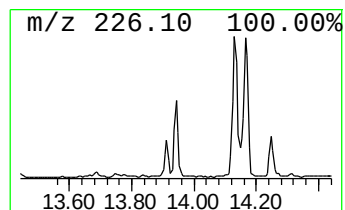
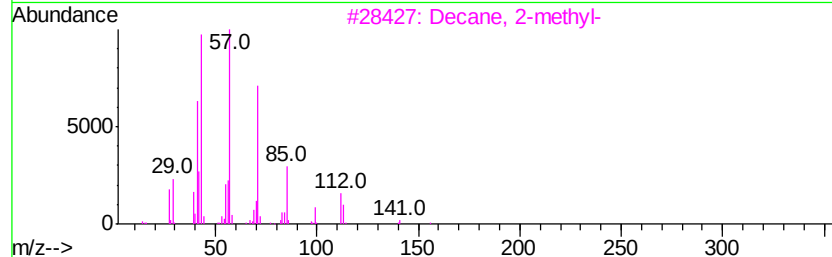
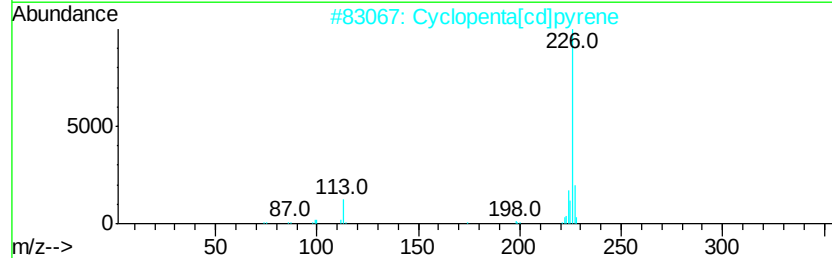
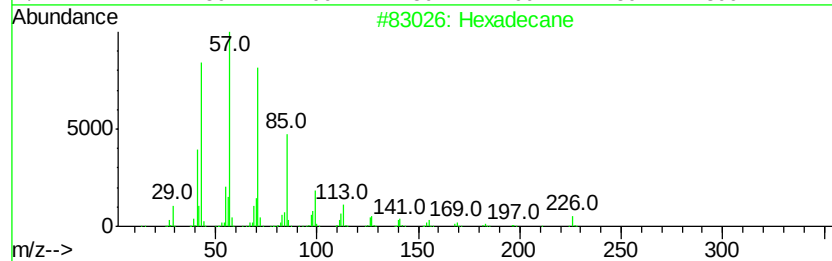
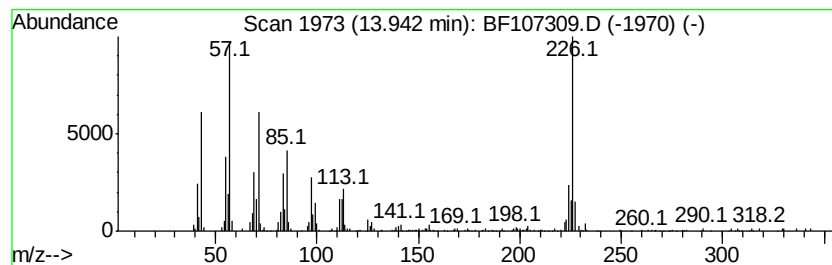
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	5.84 ng	249890	Chrysene-d12	14.14

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	70
2	Cyclopenta[cd]pyrene		226	C18H10	027208-37-3	43
3	Decane, 2-methyl-		156	C11H24	006975-98-0	38
4	Sulfurous acid, octadecyl 2-prop...		376	C21H44O3S	1000309-12-7	30
5	5-Ethyl-5-methylnonadecane		310	C22H46	1000360-42-7	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

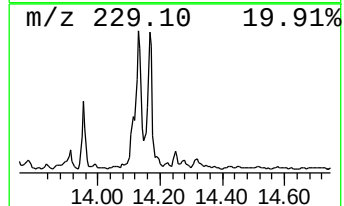
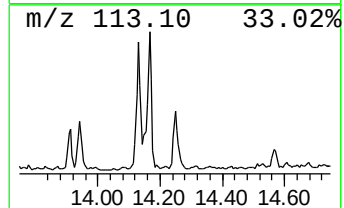
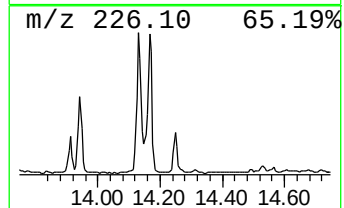
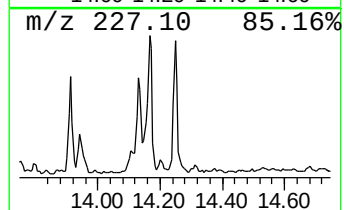
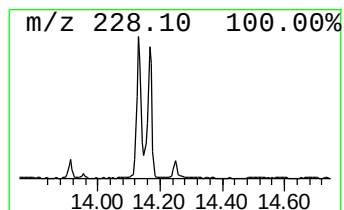
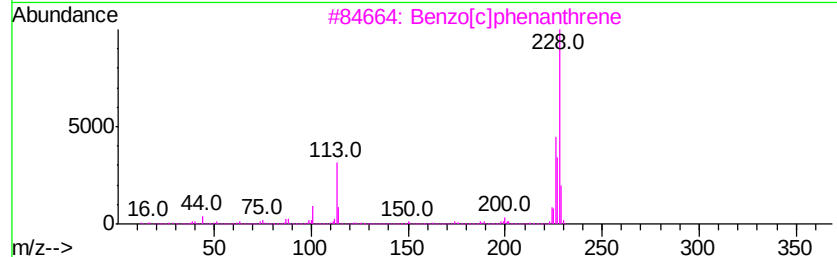
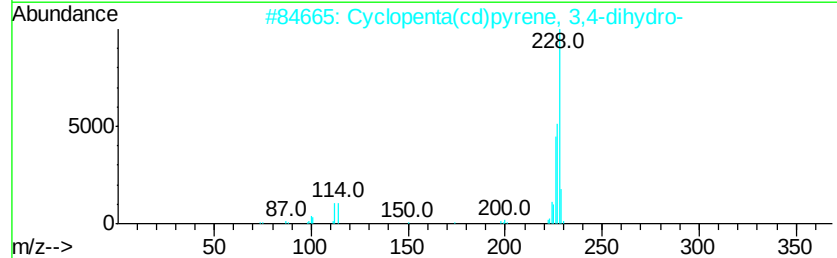
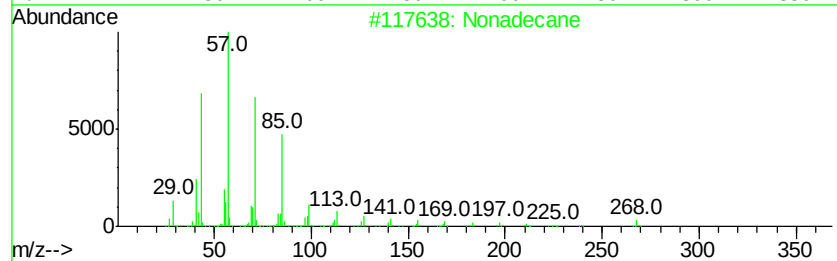
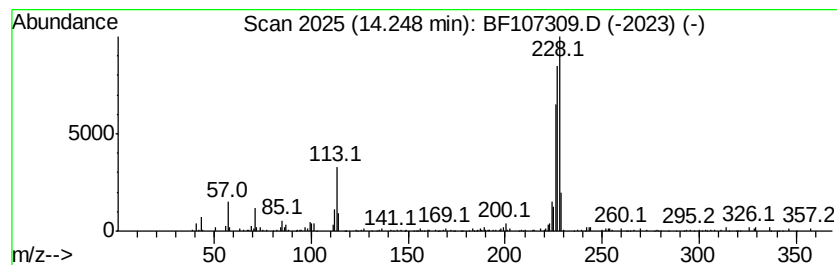
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Nonadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	3.51 ng	150439	Chrysene-d12	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	53
2		Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	42
3		Benzo[c]phenanthrene	228	C18H12	000195-19-7	30
4		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	25
5		5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

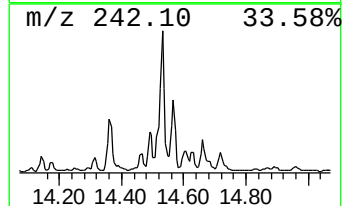
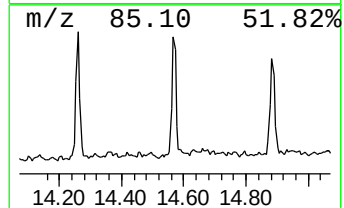
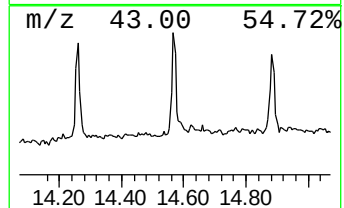
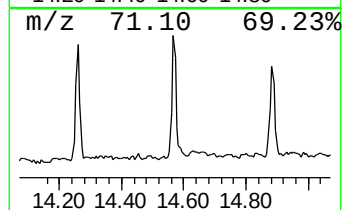
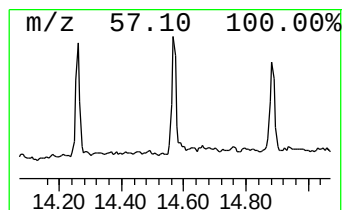
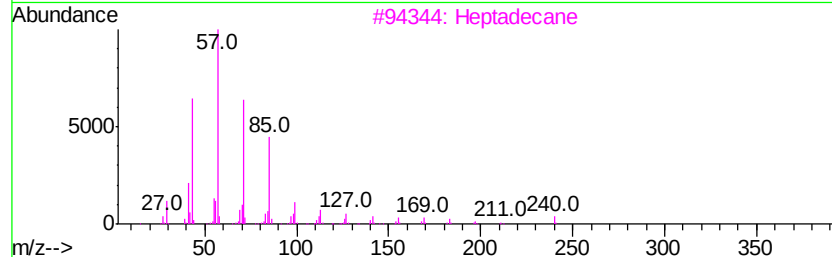
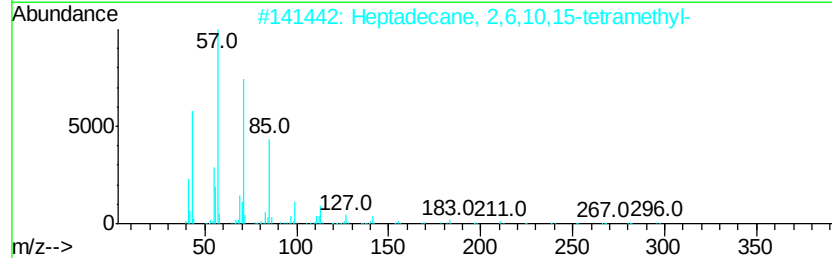
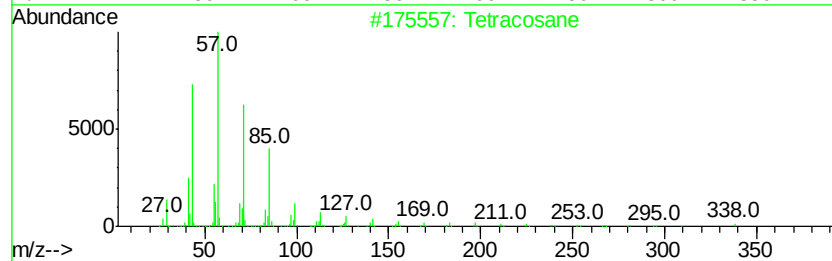
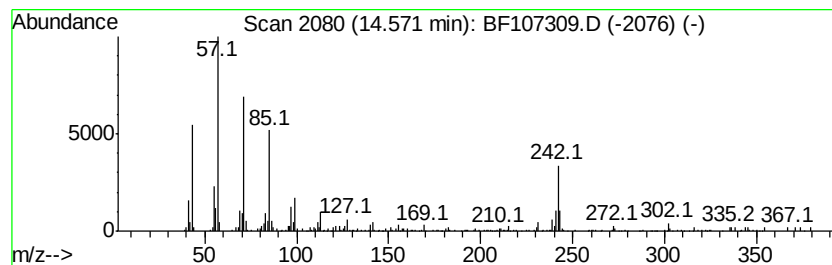
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Tetracosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	3.51 ng	150110	Chrysene-d12	14.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	93
2			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
3			Heptadecane	240	C17H36	000629-78-7	80
4			Hexadecane	226	C16H34	000544-76-3	64
5			Heneicosane	296	C21H44	000629-94-7	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

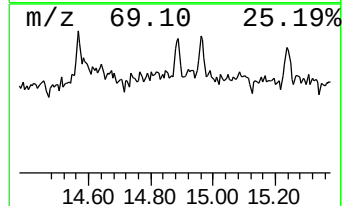
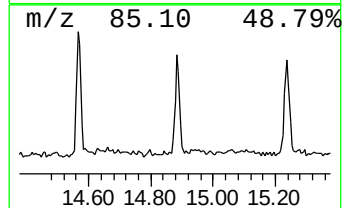
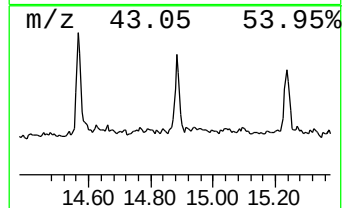
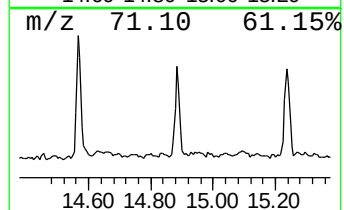
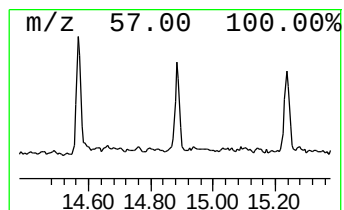
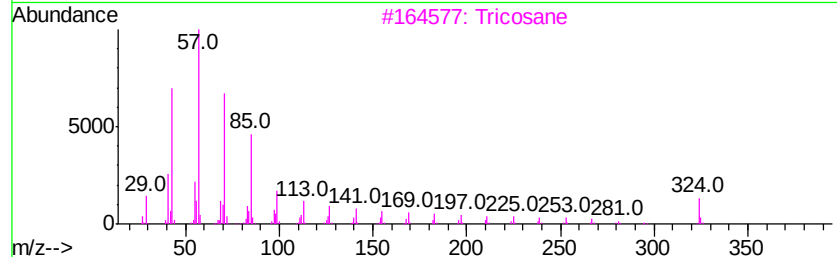
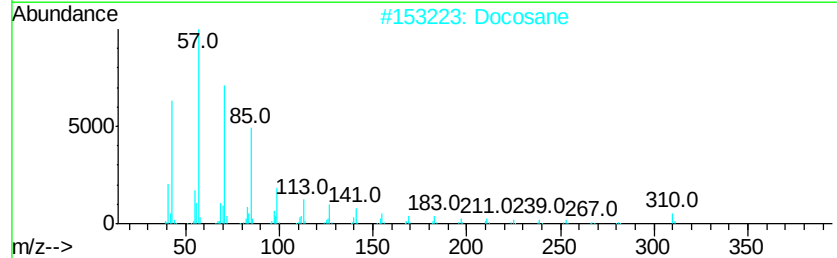
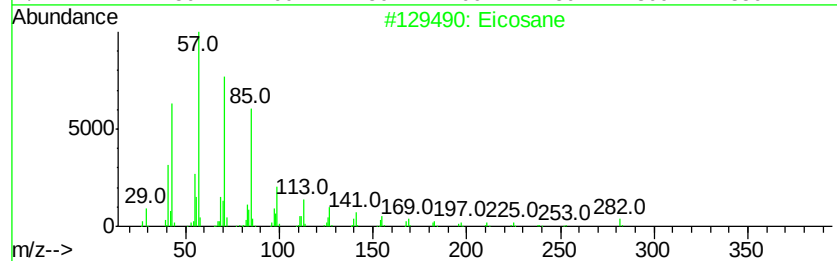
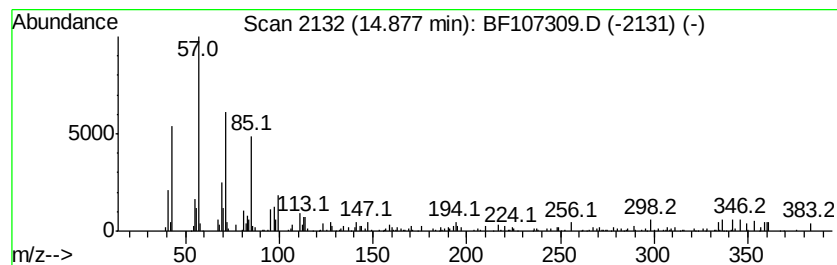
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Eicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	2.21 ng	94748	Chrysene-d12	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	93
2		Docosane	310	C22H46	000629-97-0	93
3		Tricosane	324	C23H48	000638-67-5	87
4		Heneicosane	296	C21H44	000629-94-7	87
5		Tetracosane	338	C24H50	000646-31-1	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
Acq On : 11 Jul 2018 19:19
Operator : JU/SJ
Sample : J3914-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2

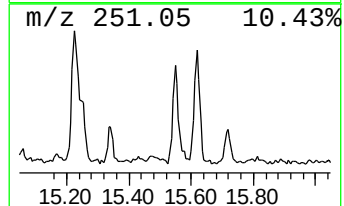
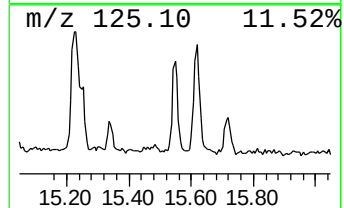
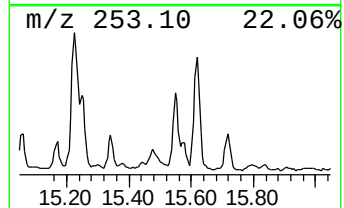
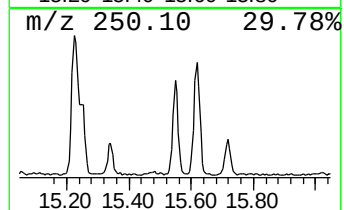
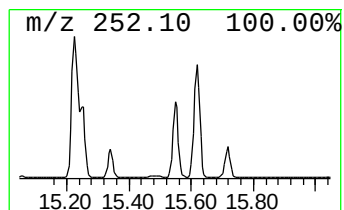
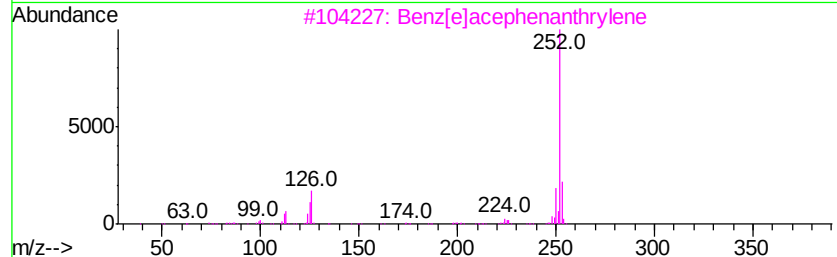
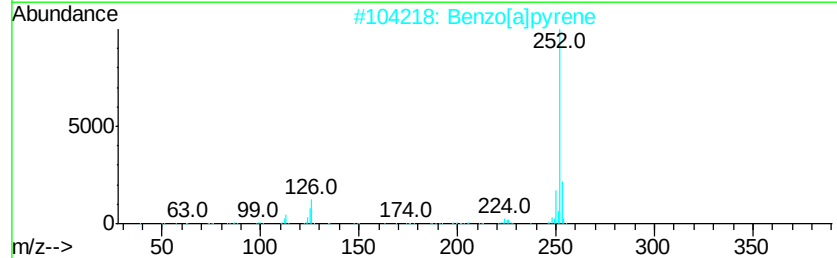
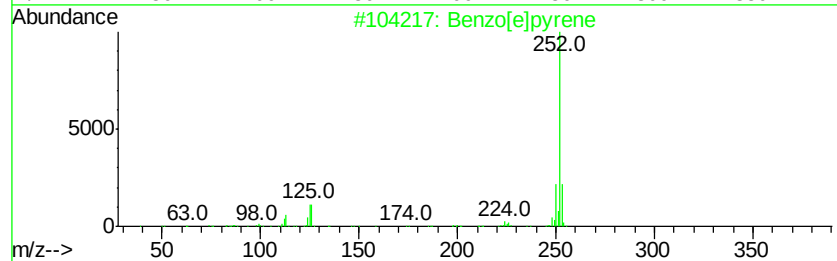
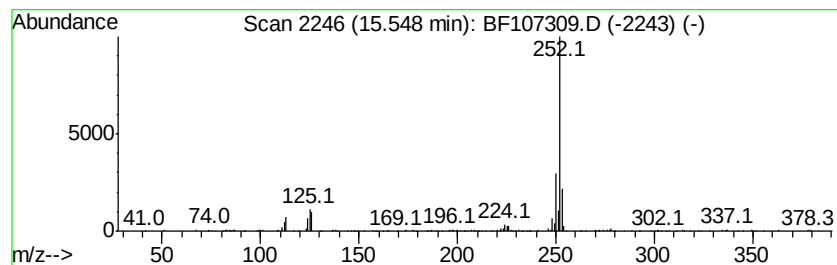
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	12.52 ng	150020	Perylene-d12	15.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[a]pyrene	252	C20H12	000050-32-8	94
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Perylene	252	C20H12	000198-55-0	90
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071118\
 Data File : BF107309.D
 Acq On : 11 Jul 2018 19:19
 Operator : JU/SJ
 Sample : J3914-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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
2-Pentanone, 4-hy...	5.15	5.9	ng	91435	1	6.93	308876	20.0
unknown6.71	6.71	41.2	ng	635931	1	6.93	308876	20.0
Anthracene, 2-met...	11.98	3.8	ng	85922	4	11.48	448284	20.0
Phenanthrene, 1-m...	12.01	5.0	ng	112633	4	11.48	448284	20.0
1H-Indene, 2-phenyl-	12.06	2.1	ng	47182	4	11.48	448284	20.0
Benzaldehyde, 3,5...	12.10	7.3	ng	163872	4	11.48	448284	20.0
Naphthalene, 2-ph...	12.28	2.1	ng	47528	4	11.48	448284	20.0
Phenanthrene, 2,5...	12.54	4.7	ng	104317	4	11.48	448284	20.0
Cyclopenta(def)ph...	12.63	3.0	ng	67955	4	11.48	448284	20.0
Fluoranthene, 2-m...	13.15	2.4	ng	102675	5	14.14	856156	20.0
11H-Benzo[b]fluorene	13.27	6.7	ng	287122	5	14.14	856156	20.0
11H-Benzo[a]fluorene	13.33	2.1	ng	90049	5	14.14	856156	20.0
Hexadecane	13.94	5.8	ng	249890	5	14.14	856156	20.0
Nonadecane	14.25	3.5	ng	150439	5	14.14	856156	20.0
Tetracosane	14.57	3.5	ng	150110	5	14.14	856156	20.0
Eicosane	14.88	2.2	ng	94748	5	14.14	856156	20.0
Benzo[e]pyrene	15.55	12.5	ng	150020	6	15.68	239692	20.0