

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
 Data File : BF117468.D
 Acq On : 22 Oct 2019 00:42
 Operator : JU
 Sample : K5146-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819

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-BF101819.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	5.345	551	554	580	rBV	871859	1022174	82.36%	7.780%
2	6.381	726	730	747	rBV	1134872	1130646	91.10%	8.606%
3	6.504	747	751	760	rVB	1348670	1153323	92.92%	8.778%
4	6.734	787	790	803	rBV	251757	251451	20.26%	1.914%
5	6.886	813	816	831	rBV	1026583	842444	67.88%	6.412%
6	7.298	882	886	906	rBV	705974	688893	55.50%	5.243%
7	8.010	1004	1007	1017	rBV	318793	325369	26.21%	2.476%
8	9.086	1186	1190	1193	rBV	1593116	1241168	100.00%	9.447%
9	9.480	1254	1257	1265	rVB	130613	109582	8.83%	0.834%
10	9.627	1279	1282	1287	rBV	37827	33590	2.71%	0.256%
11	9.763	1302	1305	1310	rBV	449995	377774	30.44%	2.875%
12	10.551	1436	1439	1451	rBV	776296	711303	57.31%	5.414%
13	11.145	1537	1540	1545	rVB4	10941	15710	1.27%	0.120%
14	11.245	1554	1557	1560	rBV	375993	347514	28.00%	2.645%
15	11.269	1560	1561	1566	rVV	105015	103155	8.31%	0.785%
16	11.327	1570	1571	1575	rVB	25195	21335	1.72%	0.162%
17	11.539	1604	1607	1611	rVB2	16958	15553	1.25%	0.118%
18	11.751	1640	1643	1645	rBV	22301	20166	1.62%	0.153%
19	11.780	1645	1648	1654	rVB3	101916	104139	8.39%	0.793%
20	11.863	1659	1662	1665	rBV	47739	47841	3.85%	0.364%
21	12.198	1711	1719	1721	rBV7	8959	15301	1.23%	0.116%
22	12.304	1732	1737	1739	rBV	33632	37047	2.98%	0.282%
23	12.339	1739	1743	1745	rVV4	30001	41876	3.37%	0.319%
24	12.398	1749	1753	1757	rBV4	17556	22431	1.81%	0.171%
25	12.463	1761	1764	1770	rBV	312521	291877	23.52%	2.222%
26	12.563	1778	1781	1786	rVB	42517	41104	3.31%	0.313%
27	12.692	1797	1803	1810	rBV	275416	338834	27.30%	2.579%
28	12.751	1810	1813	1816	rVB	18116	18714	1.51%	0.142%
29	12.827	1822	1826	1831	rBV	1072076	1020271	82.20%	7.766%
30	12.910	1836	1840	1847	rBV4	30314	63354	5.10%	0.482%
31	13.021	1857	1859	1863	rVB	45420	42867	3.45%	0.326%
32	13.086	1868	1870	1874	rVV	36310	33526	2.70%	0.255%
33	13.127	1874	1877	1885	rVB2	45439	43585	3.51%	0.332%
34	13.215	1890	1892	1896	rVV	25361	24693	1.99%	0.188%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

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-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.251	1896	1898	1906	rVB4	31443	43067	3.47%	0.328%
36	13.398	1921	1923	1926	rBV2	23831	23667	1.91%	0.180%
37	13.651	1962	1966	1967	rBV	29948	35070	2.83%	0.267%
38	13.698	1971	1974	1976	rVV	24528	26917	2.17%	0.205%
39	13.727	1976	1979	1989	rVB5	105676	193770	15.61%	1.475%
40	13.886	2002	2006	2009	rBV2	323373	425613	34.29%	3.239%
41	13.915	2009	2011	2020	rVB	161289	181342	14.61%	1.380%
42	14.051	2030	2034	2043	rBV7	38782	81922	6.60%	0.624%
43	14.280	2071	2073	2077	rVB2	36880	32382	2.61%	0.246%
44	14.351	2082	2085	2088	rBV3	54174	63512	5.12%	0.483%
45	14.645	2133	2135	2137	rBV	34868	26197	2.11%	0.199%
46	14.768	2153	2156	2161	rBV5	22199	35854	2.89%	0.273%
47	14.915	2177	2181	2184	rBV	182196	238302	19.20%	1.814%
48	15.021	2196	2199	2204	rVB	47820	72547	5.85%	0.552%
49	15.204	2227	2230	2235	rVB	101563	111274	8.97%	0.847%
50	15.262	2237	2240	2246	rBV	137117	183782	14.81%	1.399%
51	15.321	2246	2250	2254	rBV	228645	285212	22.98%	2.171%
52	15.421	2265	2267	2274	rVB7	35667	51843	4.18%	0.395%
53	15.721	2316	2318	2322	rVB2	28199	31378	2.53%	0.239%
54	15.951	2354	2357	2367	rVB10	52774	88252	7.11%	0.672%
55	16.356	2423	2426	2434	rVB6	40619	74920	6.04%	0.570%
56	16.739	2486	2491	2499	rVB2	78683	166845	13.44%	1.270%
57	17.156	2560	2562	2568	rVB2	40339	66043	5.32%	0.503%

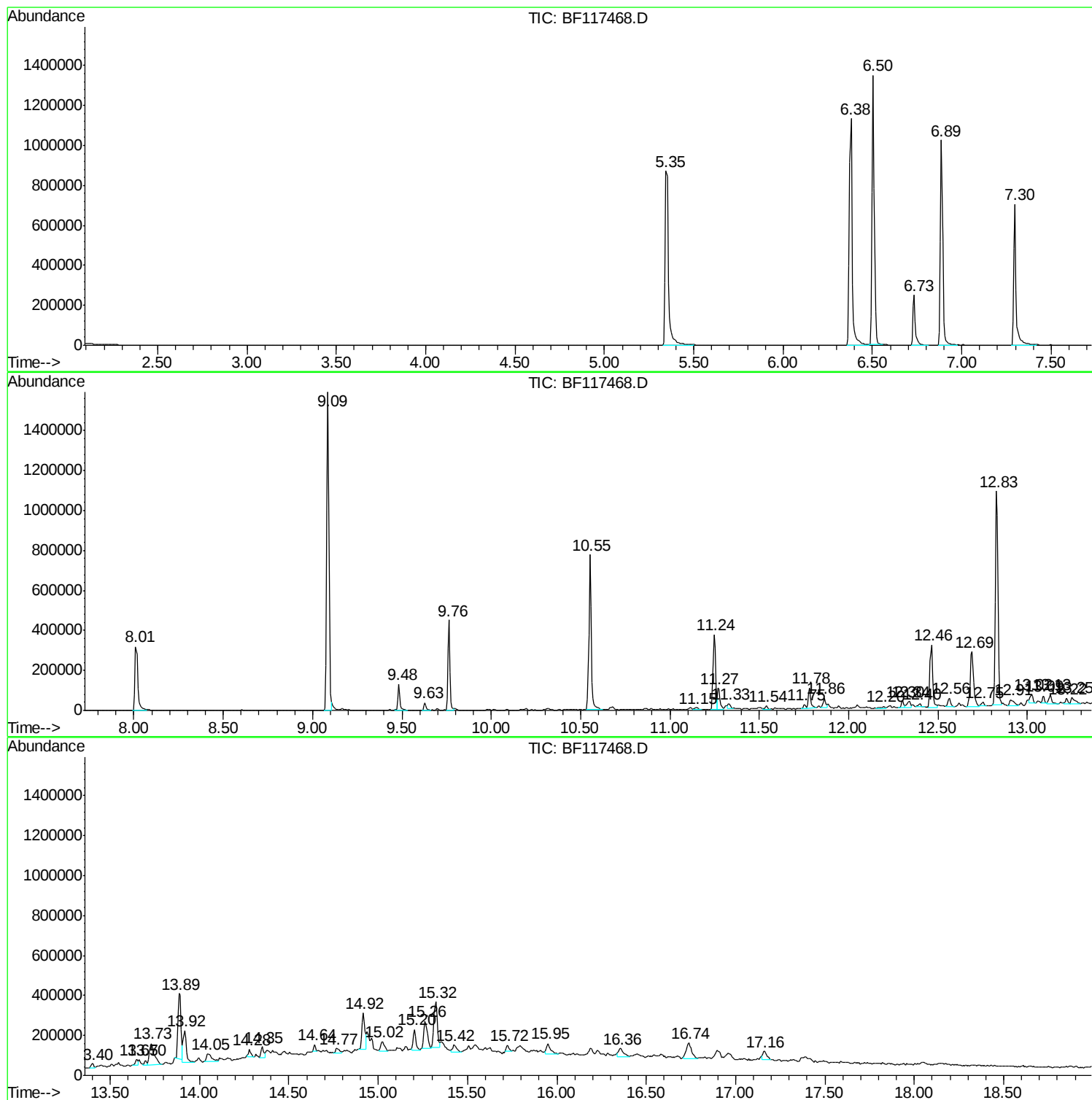
Sum of corrected areas: 13138321

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.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\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

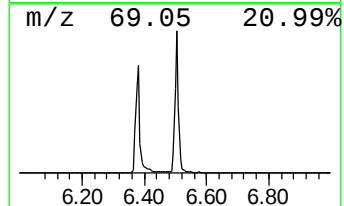
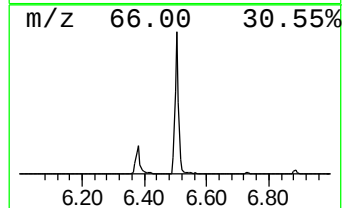
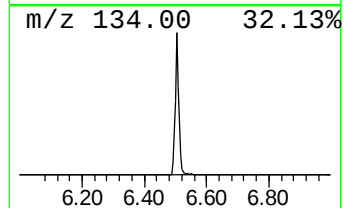
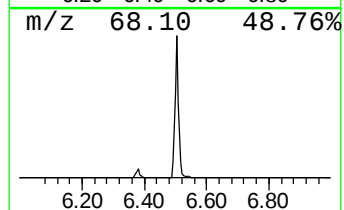
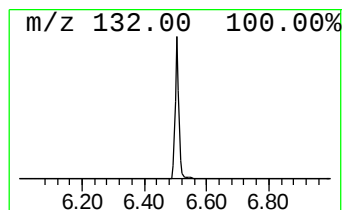
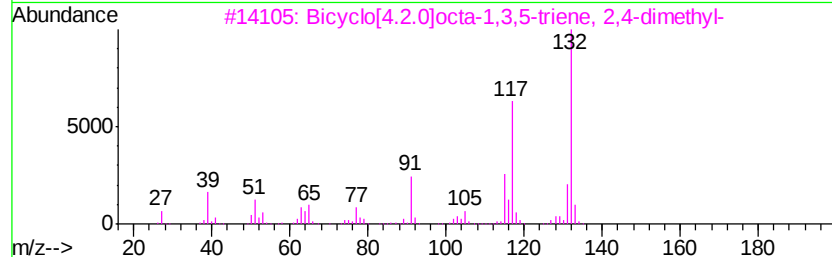
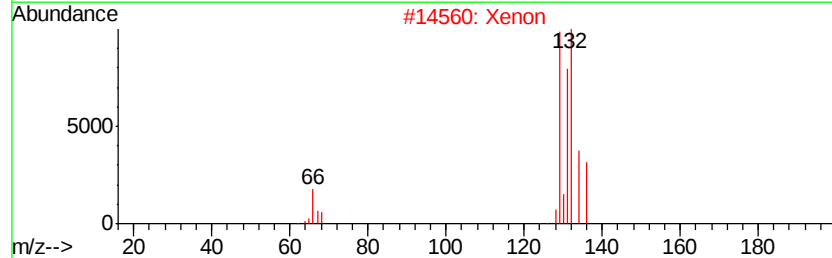
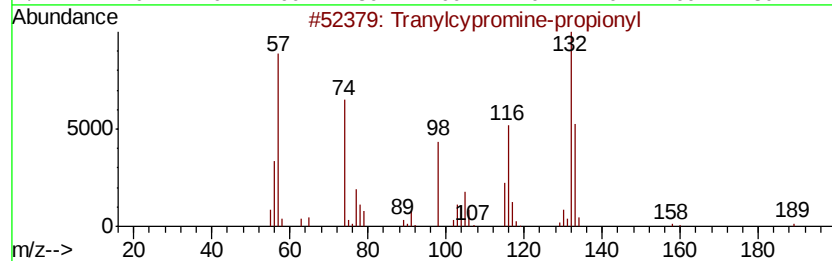
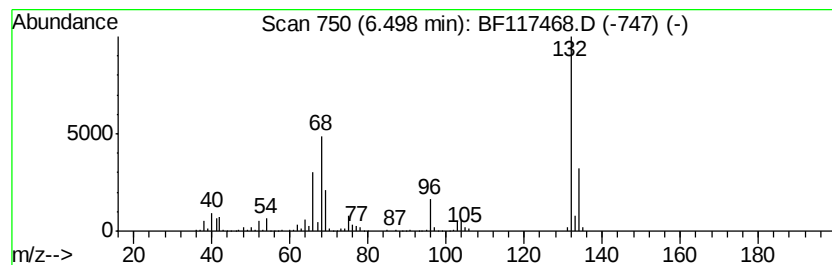
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	91.73 ng	1153320	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tranvlcvpromine-propionyl	189	C12H15NO	1000123-86-3	12
2		Xenon	132	Xe	007440-63-3	9
3		Bicvclo[4.2.0]octa-1,3,5-triene...	132	C10H12	028749-81-7	9
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\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

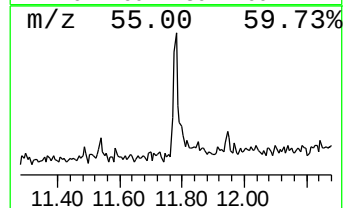
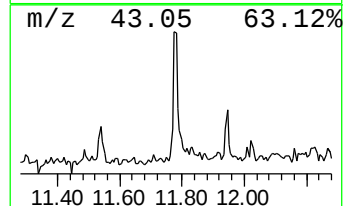
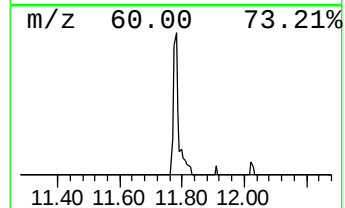
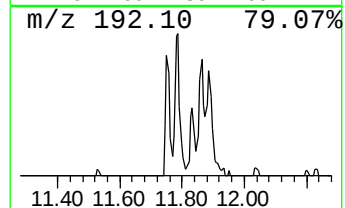
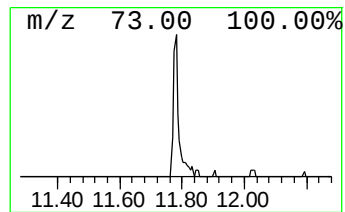
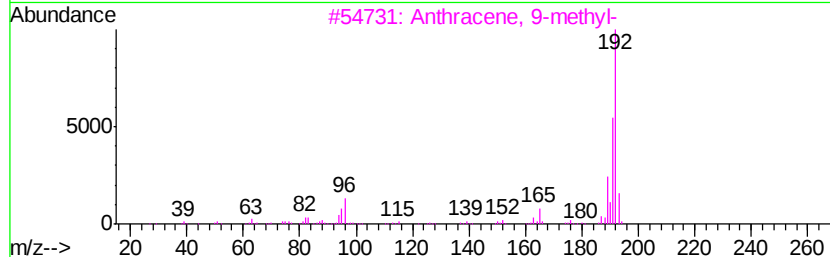
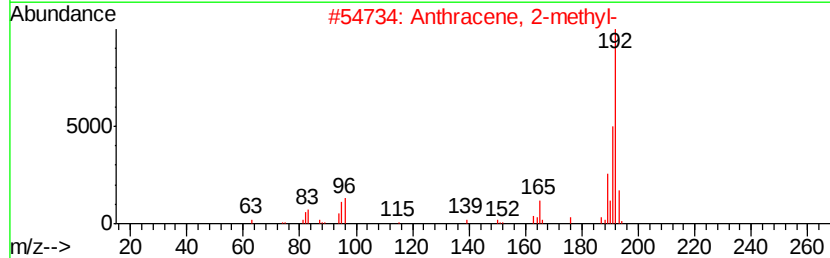
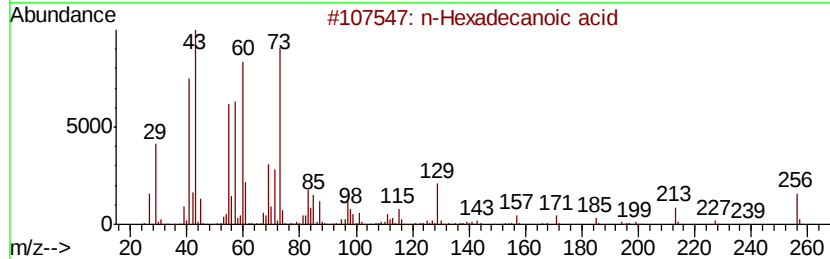
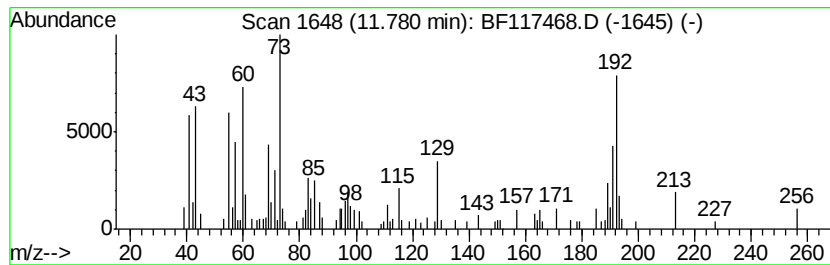
Instrument :
BNA_F
ClientSampleId :
CL-02-101819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.78	5.99 ng	104139	Phenanthrene-d10	11.24		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90	
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50	
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	42	
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	42	
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

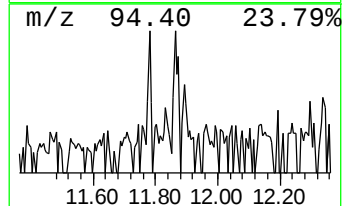
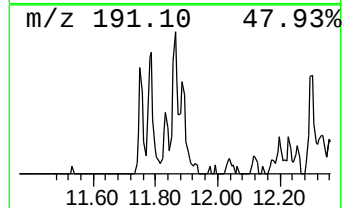
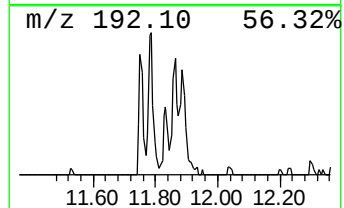
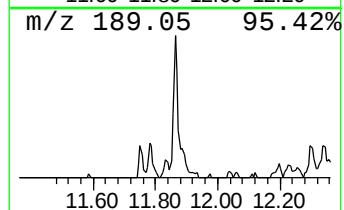
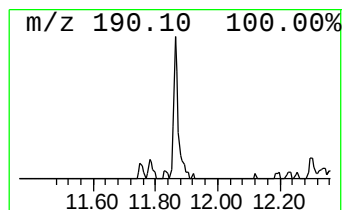
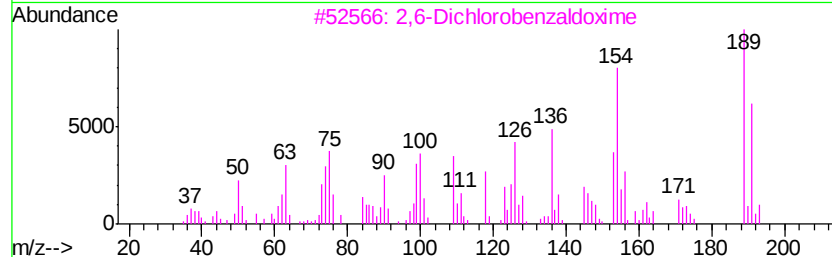
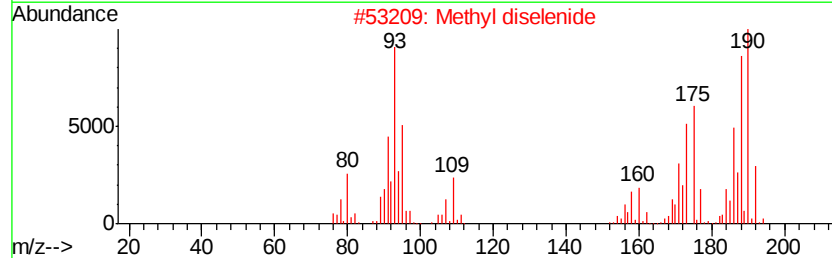
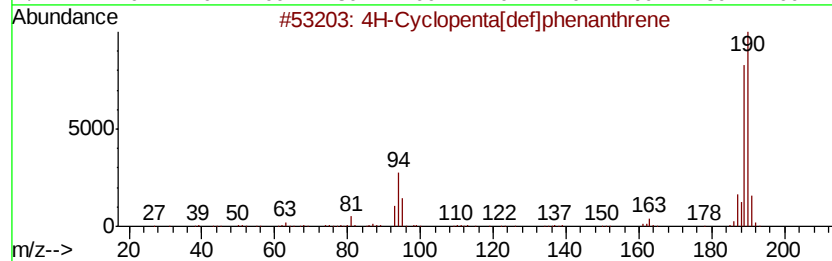
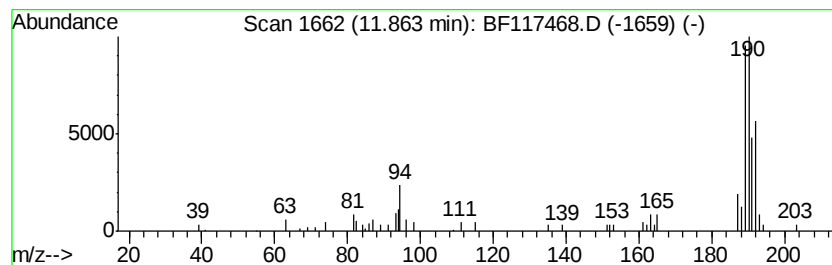
Instrument :
BNA_F
ClientSampleId :
CL-02-101819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.86	2.75 ng	47841	Phenanthrene-d10		11.24	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2		Methyl diselenide	190	C2H6Se2	007101-31-7	45
3		2,6-Dichlorobenzaloxime	189	C7H5Cl2NO	025185-95-9	30
4		5-Thiazolecarboxamide, 4-amino-2...	189	C5H7N3OS2	1000338-08-9	27
5		1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

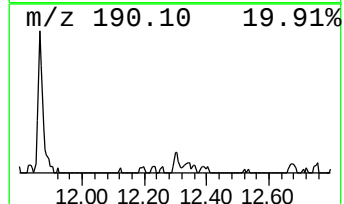
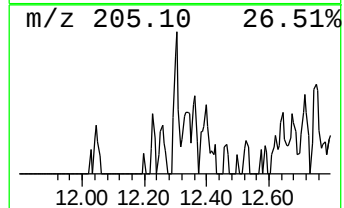
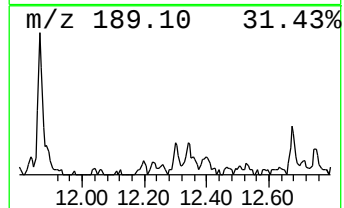
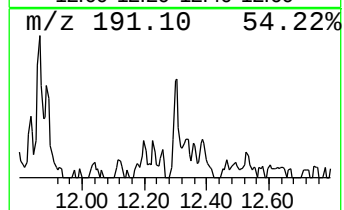
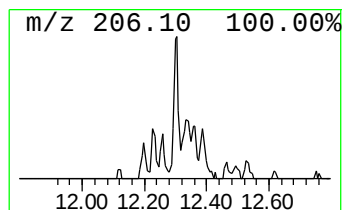
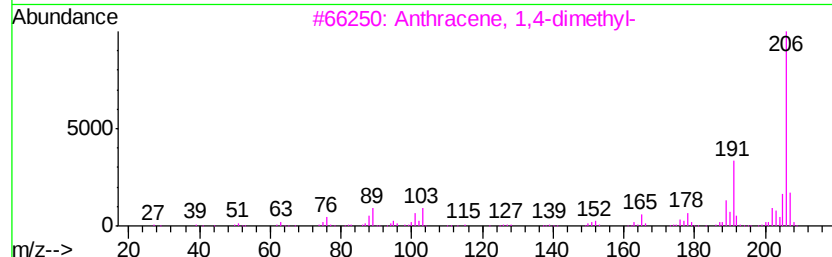
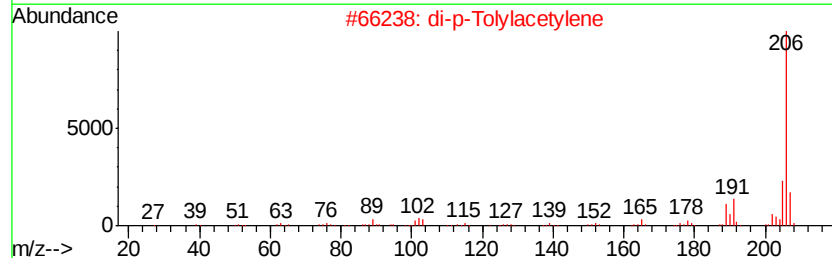
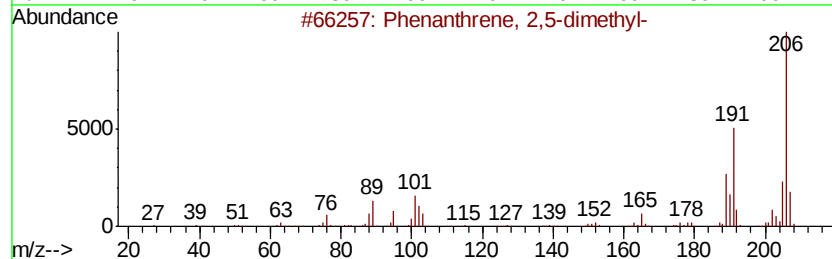
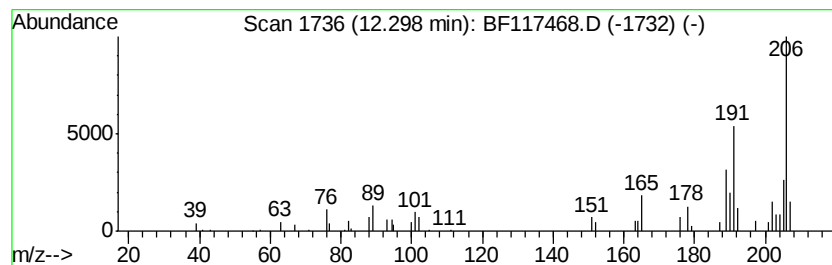
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.13 ng	37047	Phenanthrene-d10	11.24

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

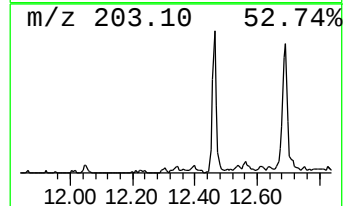
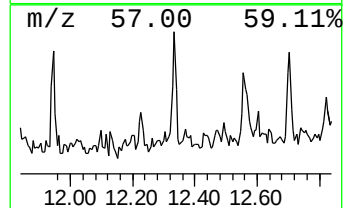
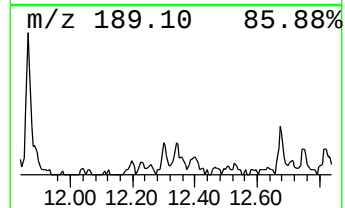
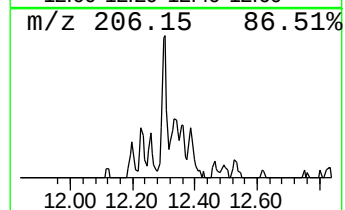
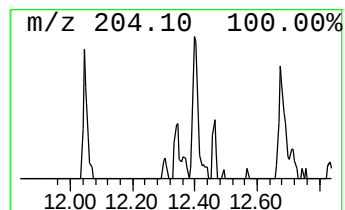
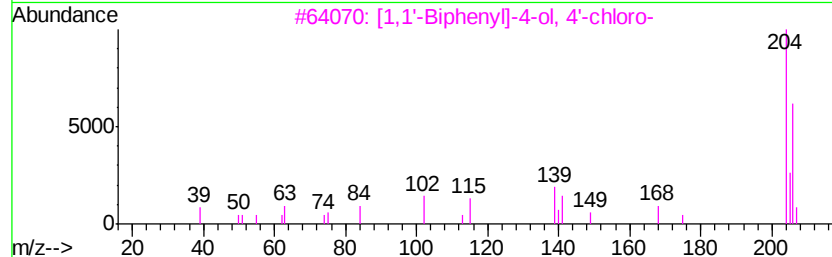
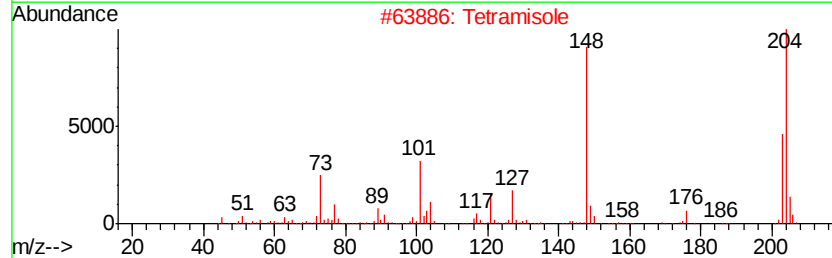
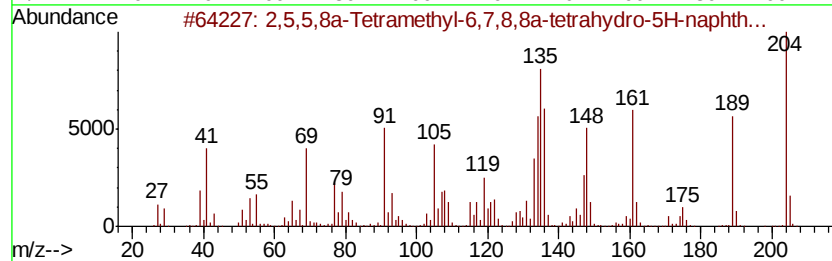
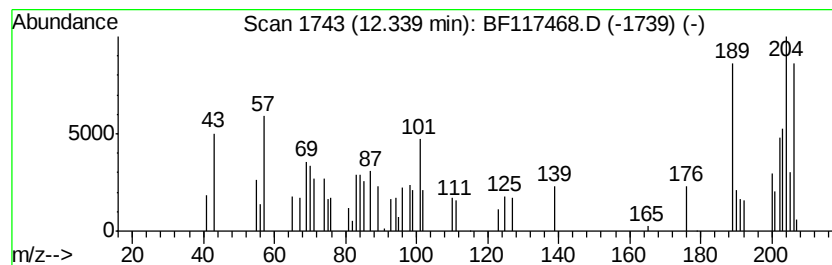
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown12.34 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	2.41 ng	41876	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	27
2		Tetramisole	204	C11H12N2S	005036-02-2	27
3		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	27
4		4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	25
5		m-Trifluoromethoxybenzoic acid	206	C8H5F3O3	001014-81-9	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

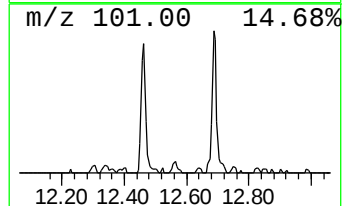
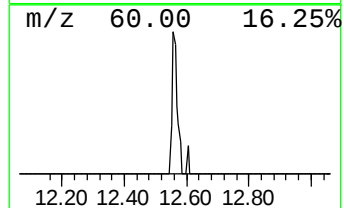
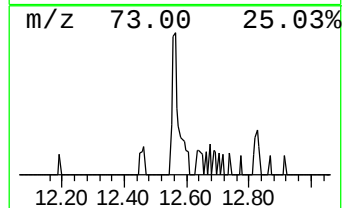
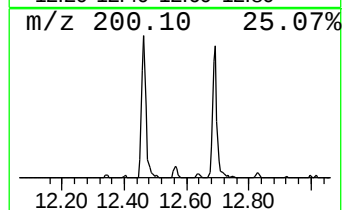
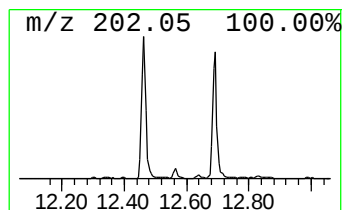
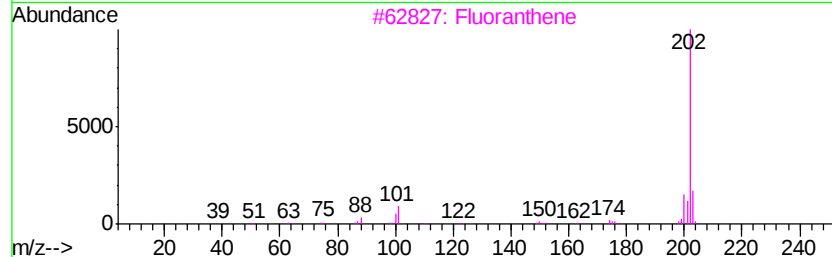
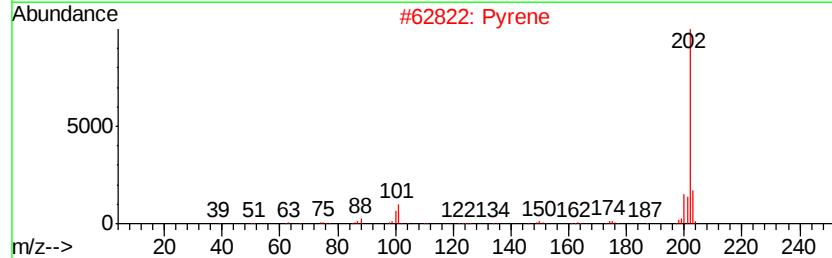
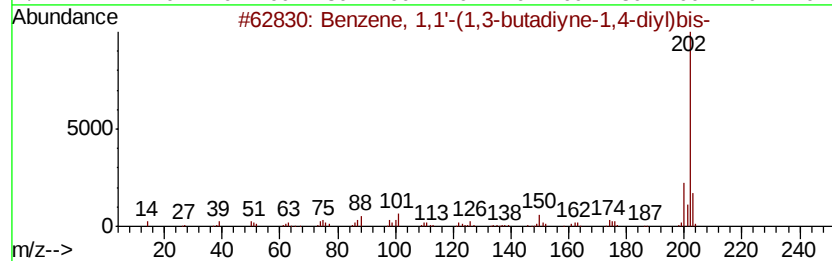
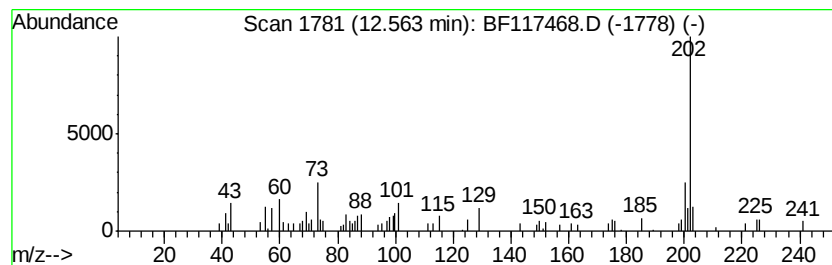
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	2.37 ng	41104	Phenanthrene-d10	11.24

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	53
2		Pyrene	202	C16H10	000129-00-0	53
3		Fluoranthene	202	C16H10	000206-44-0	50
4		5-Ethoxy-3-methyl-1-phenylpyrazole	202	C12H14N2O	001016-41-7	43
5		2,3-Dichlorobenzo[b]thiophene	202	C8H4Cl2S	1000298-87-9	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

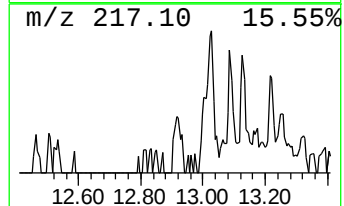
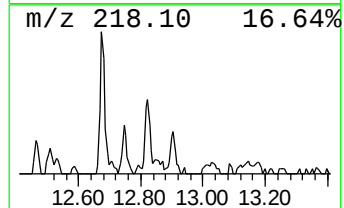
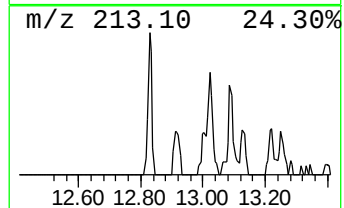
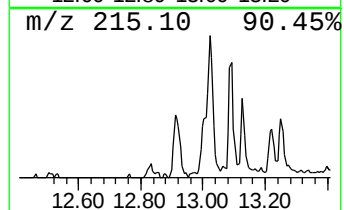
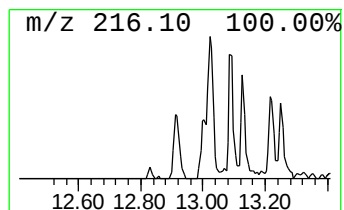
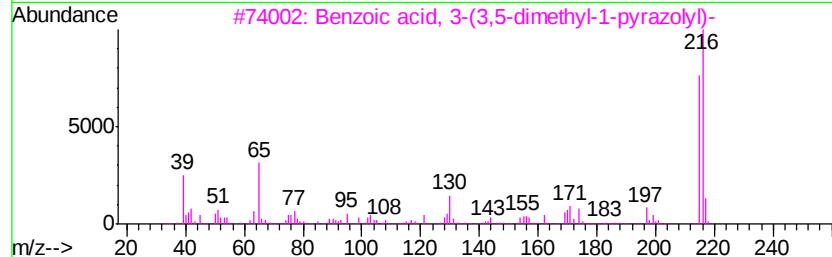
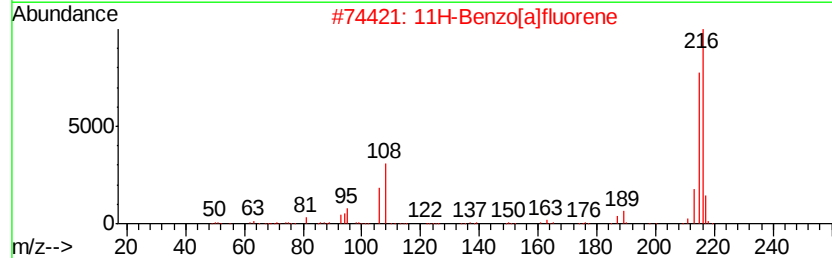
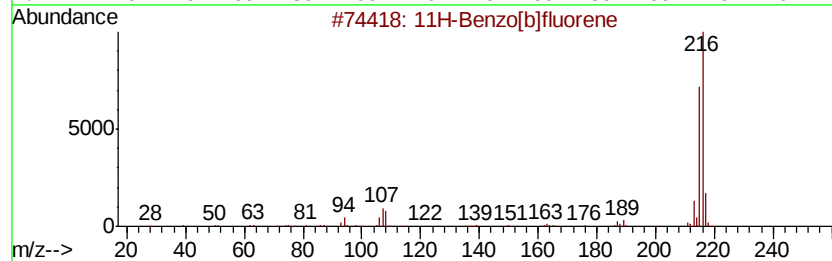
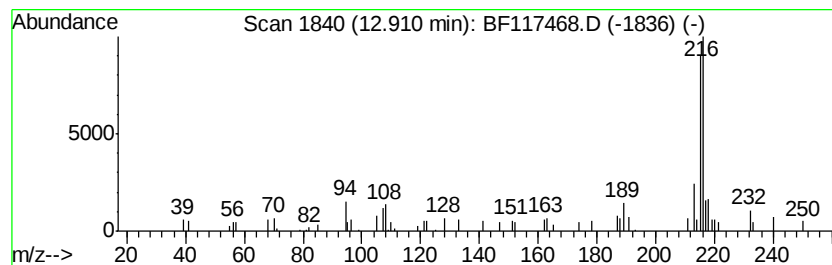
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	2.98 ng	63354	Chrysene-d12	13.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
3		Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	58
4		trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	58
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

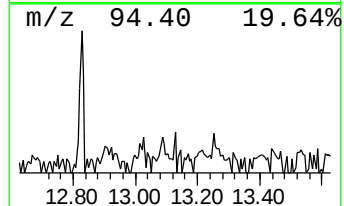
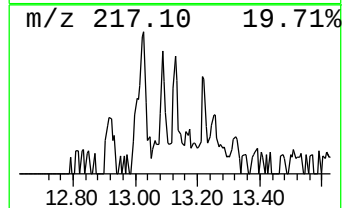
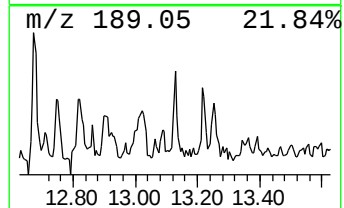
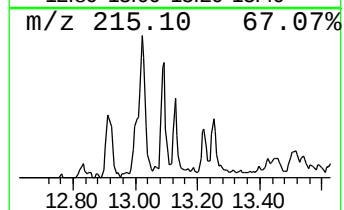
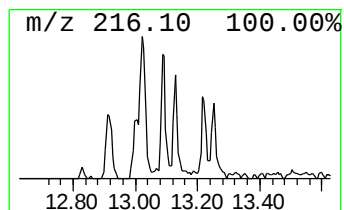
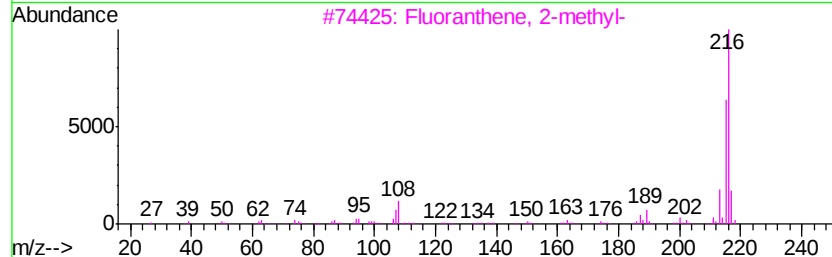
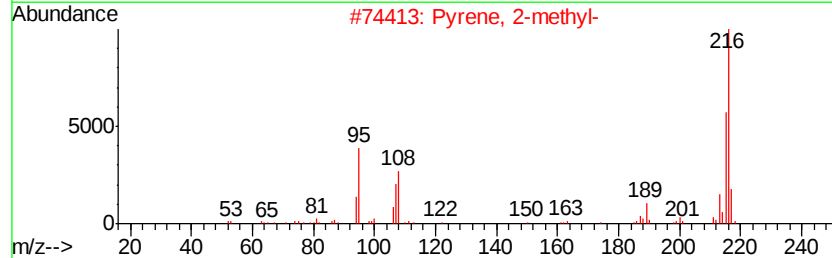
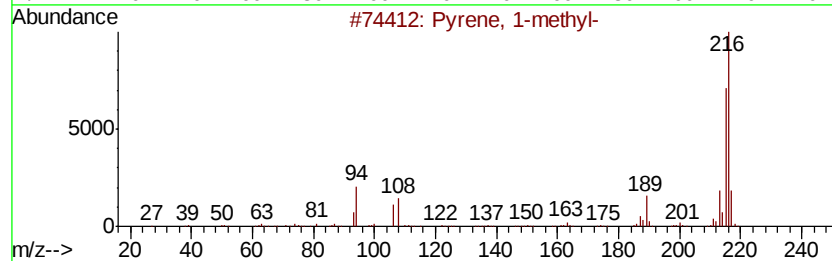
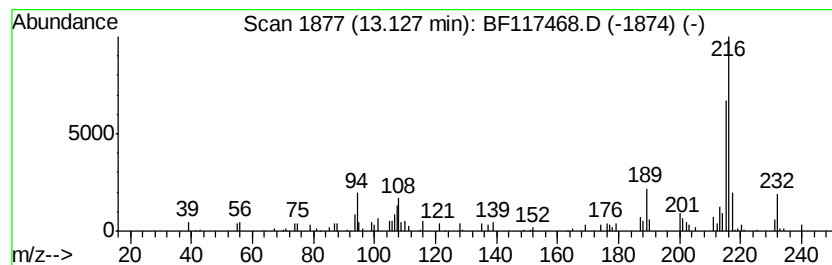
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.05 ng	43585	Chrysene-d12	13.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	58
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

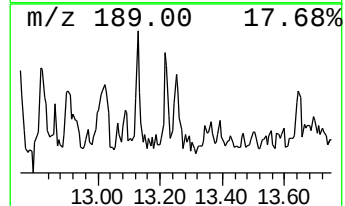
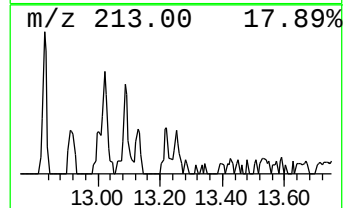
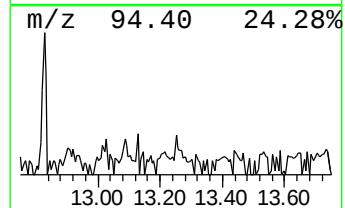
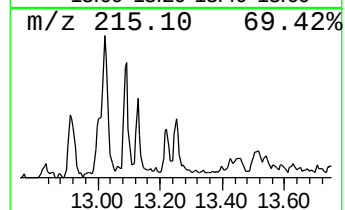
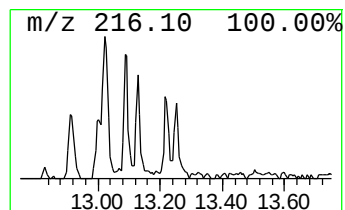
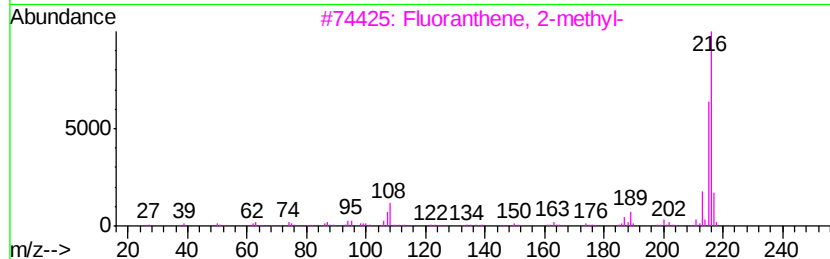
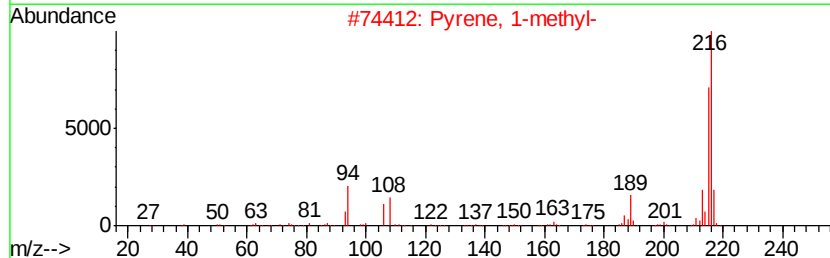
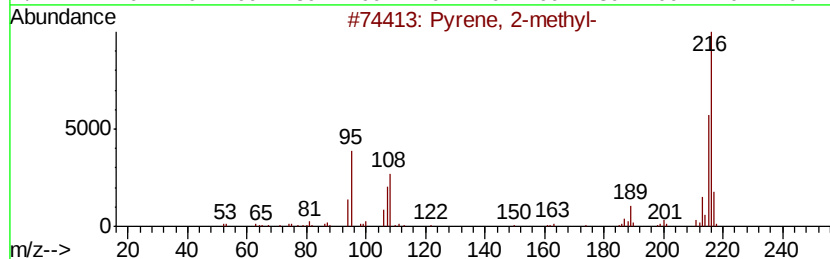
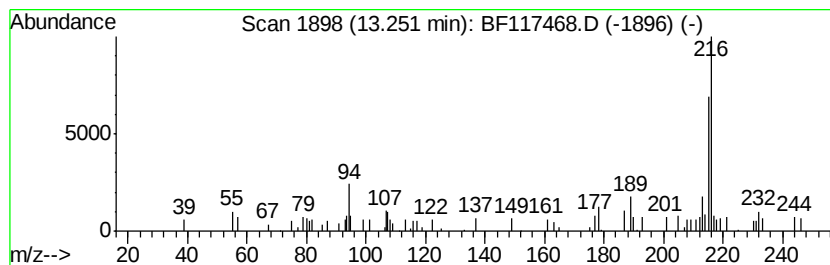
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	2.02 ng	43067	Chrysene-d12	13.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	68
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	59
4		11H-Benzo[blfluorene	216	C17H12	000243-17-4	53
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

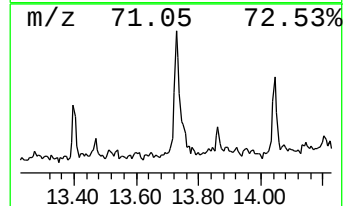
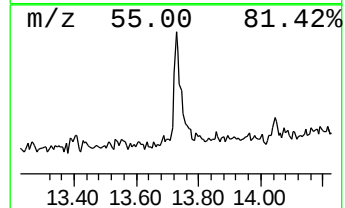
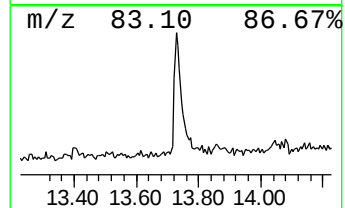
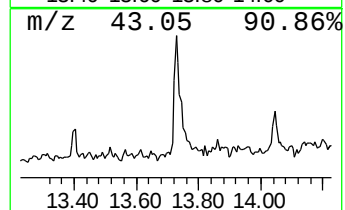
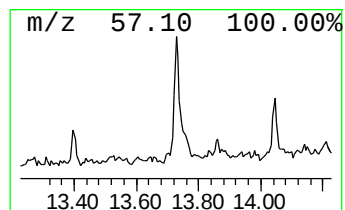
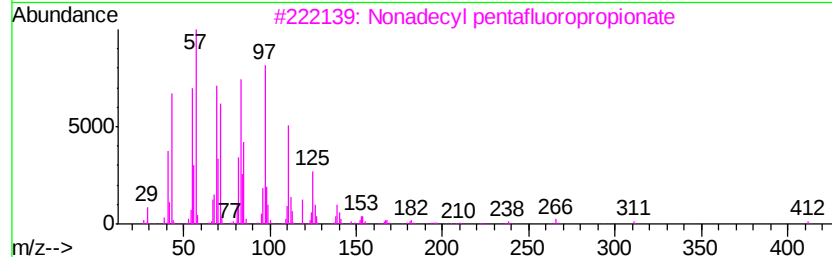
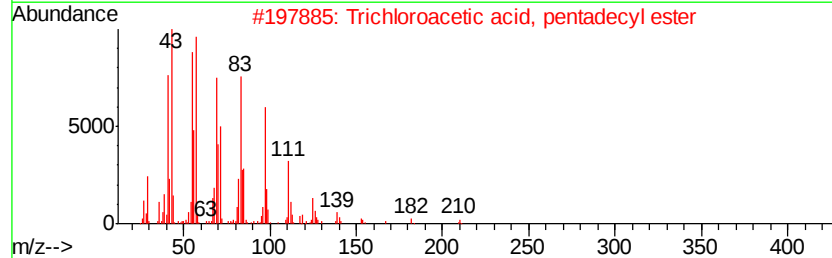
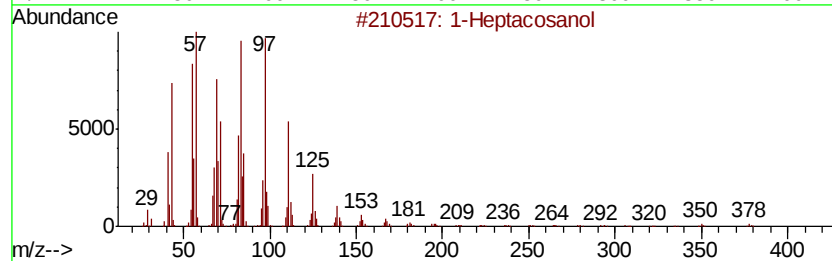
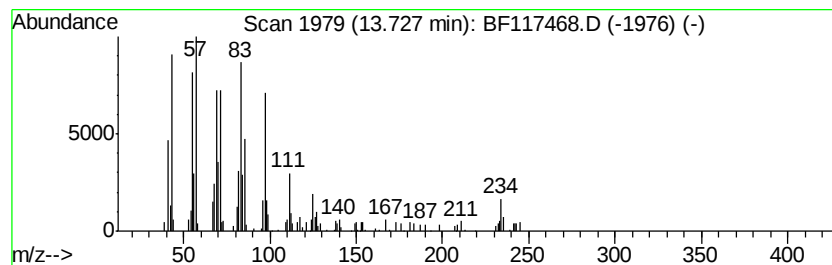
Instrument :
BNA_F
ClientSampleId :
CL-02-101819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1-Heptacosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.73	9.11 ng	193770	Chrysene-d12	13.89	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	81
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	74
3	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	74
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	70
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

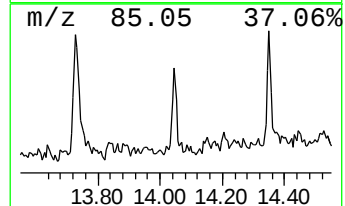
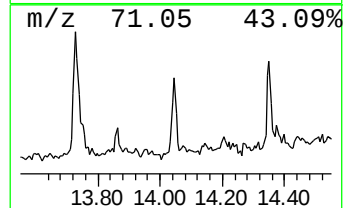
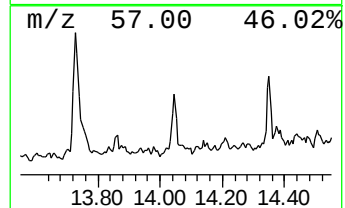
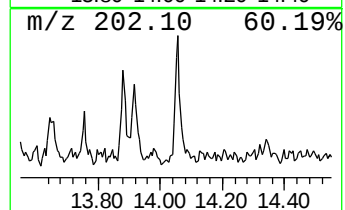
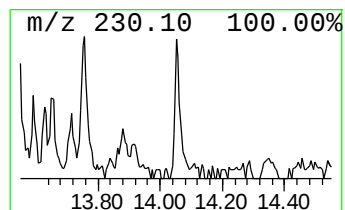
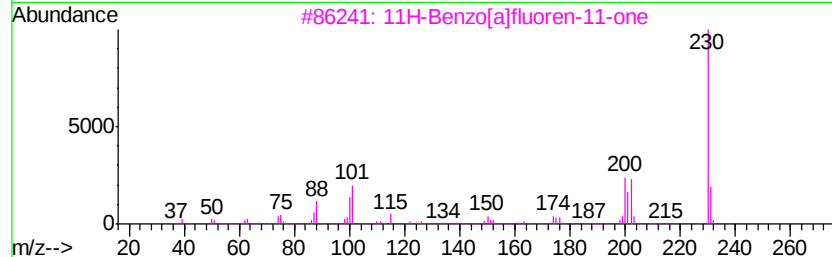
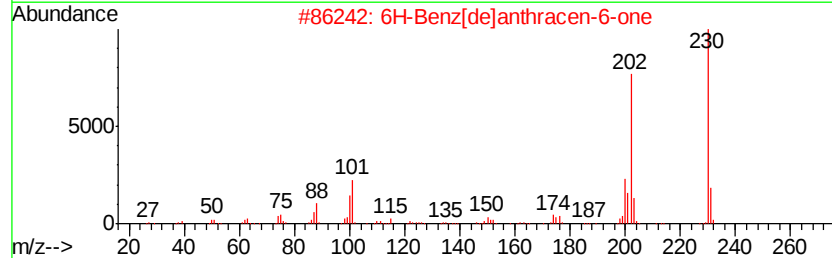
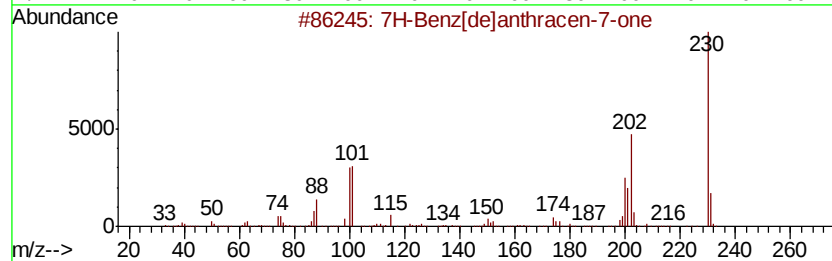
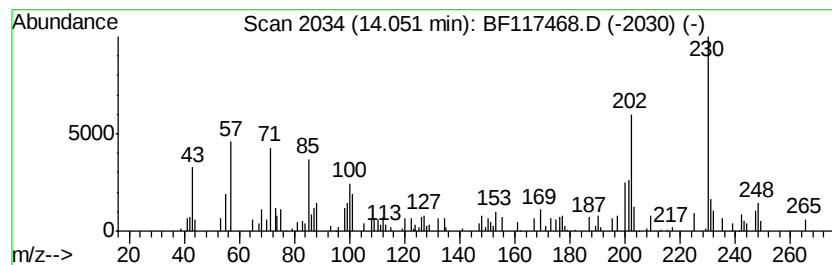
Instrument :
BNA_F
ClientSampleId :
CL-02-101819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 7H-Benz[de]anthracen-7-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.05	3.85 ng	81922	Chrysene-d12	13.89		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
2		6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	70
3		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	52
4		Dibenzo[c,h][2,6]naphthylridine	230	C16H10N2	000218-30-4	46
5		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

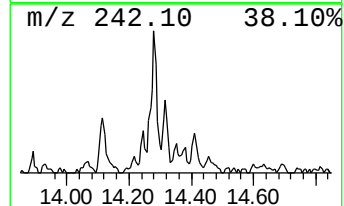
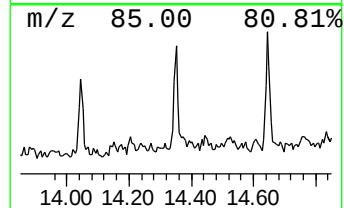
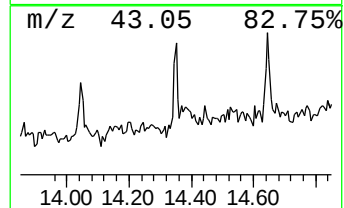
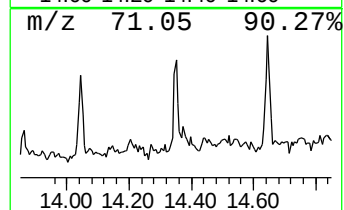
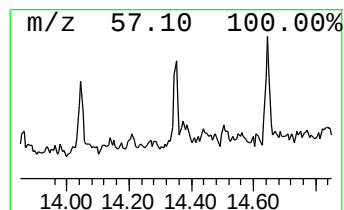
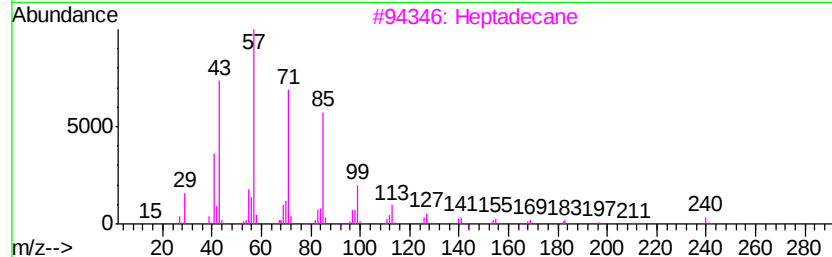
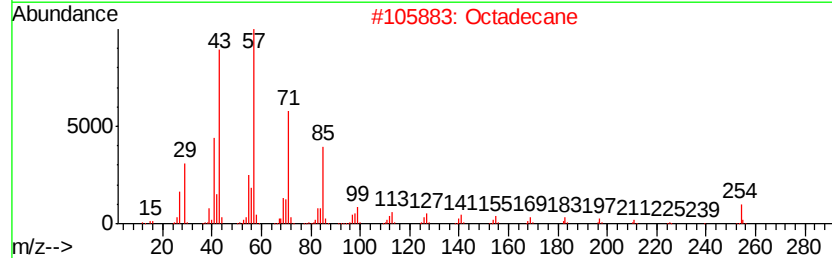
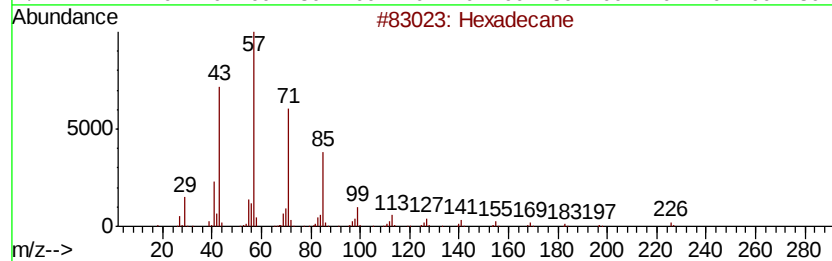
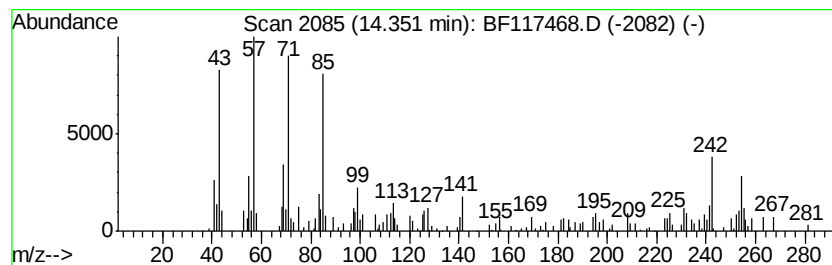
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	2.98 ng	63512	Chrysene-d12	13.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	91
2		Octadecane	254	C18H38	000593-45-3	86
3		Heptadecane	240	C17H36	000629-78-7	83
4		Docosane	310	C22H46	000629-97-0	52
5		Heptacosane	380	C27H56	000593-49-7	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

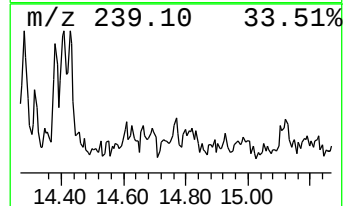
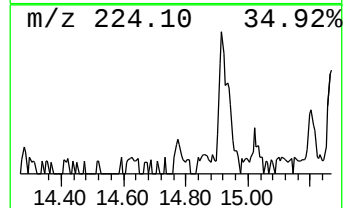
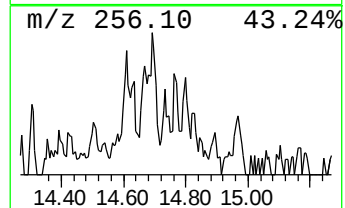
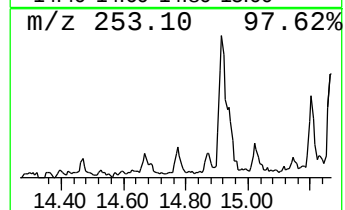
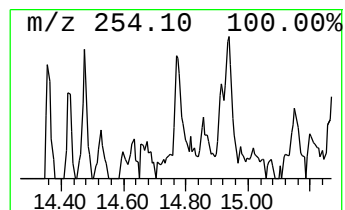
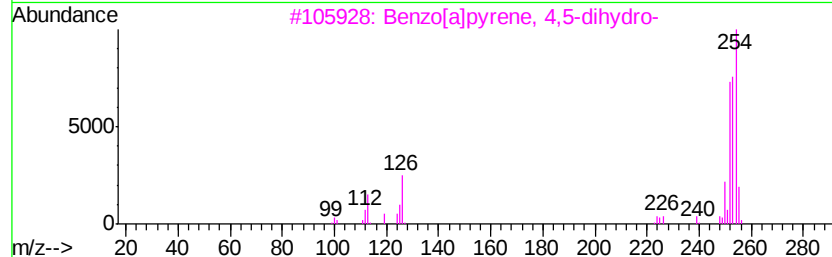
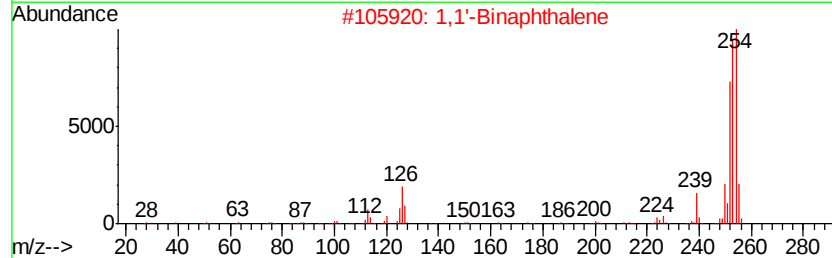
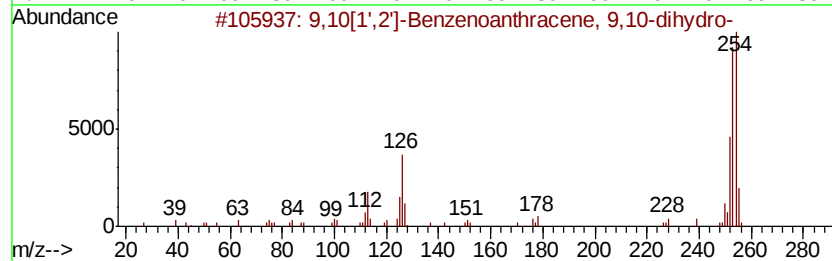
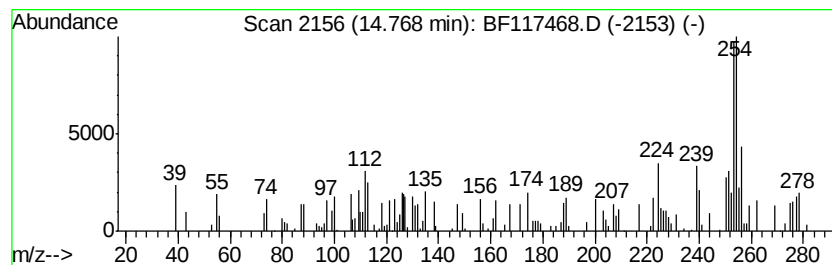
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,10[1',2']-Benzenoanthracene... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	2.51 ng	35854	Perylene-d12	15.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	70
2			1,1'-Binaphthalene	254	C20H14	000604-53-5	53
3			Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	47
4			4,4'-Biazulenvyl	254	C20H14	094053-54-0	46
5			4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

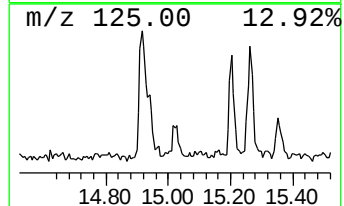
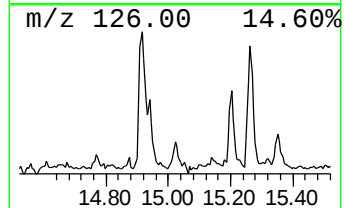
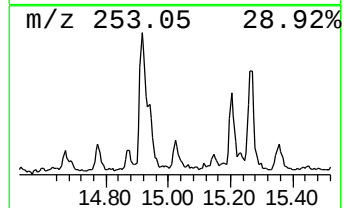
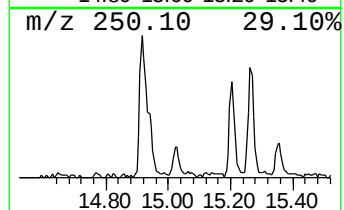
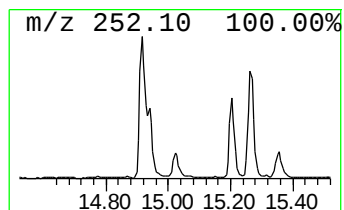
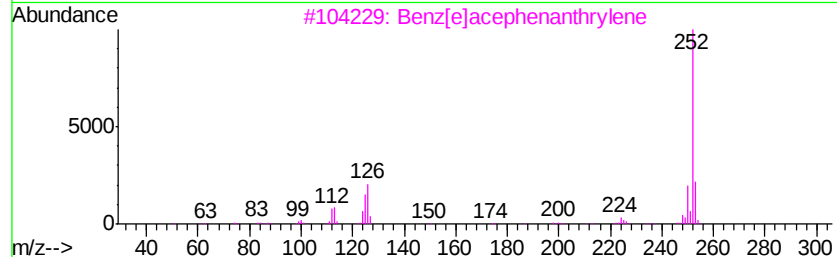
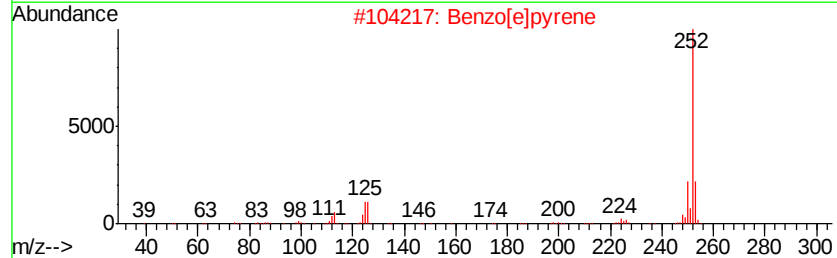
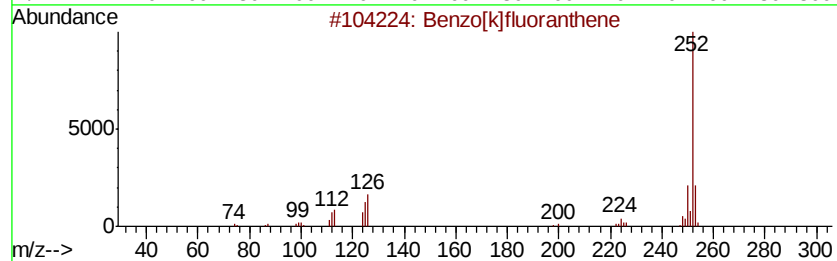
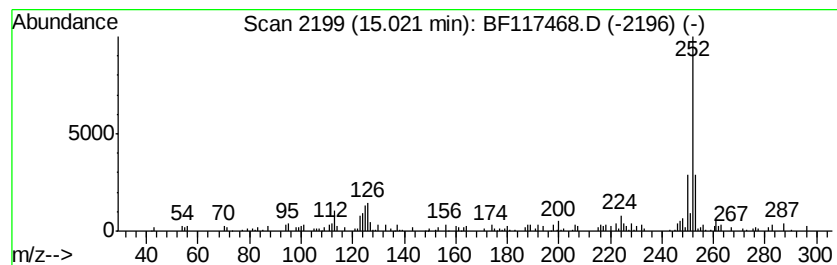
Instrument :
BNA_F
ClientSampleId :
CL-02-101819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.02	5.09 ng	72547	Perylene-d12		15.32
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	83
2	Benzo[e]pyrene	252	C20H12	000192-97-2	70
3	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	70
4	Benzo[a]pyrene	252	C20H12	000050-32-8	70
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

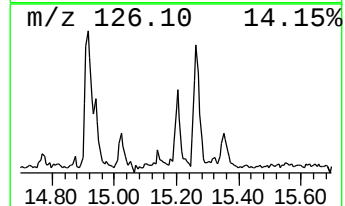
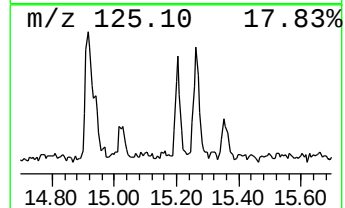
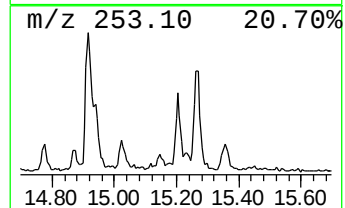
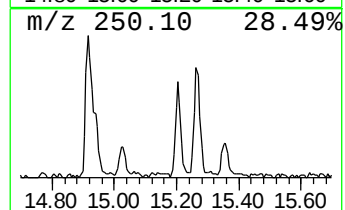
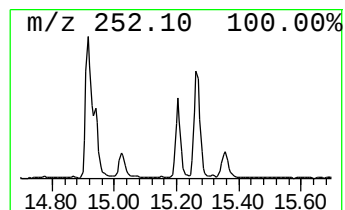
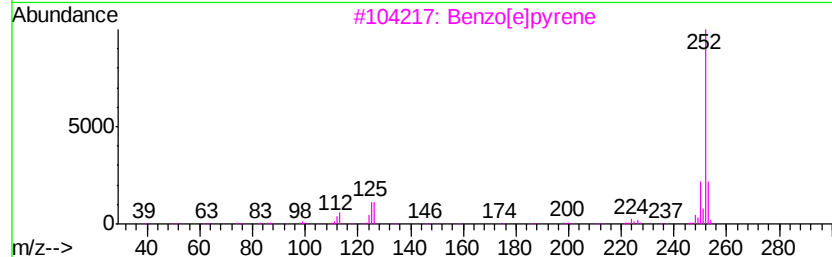
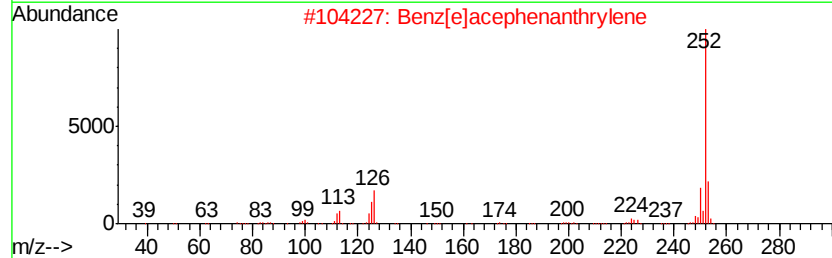
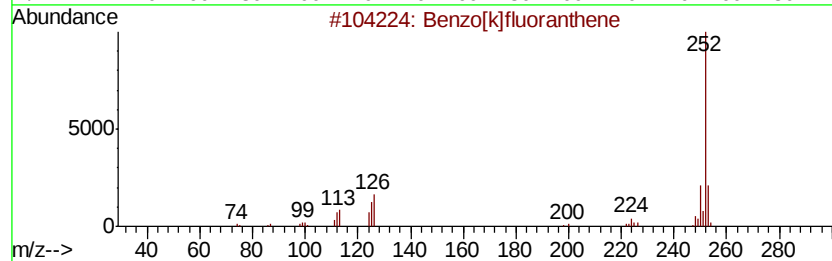
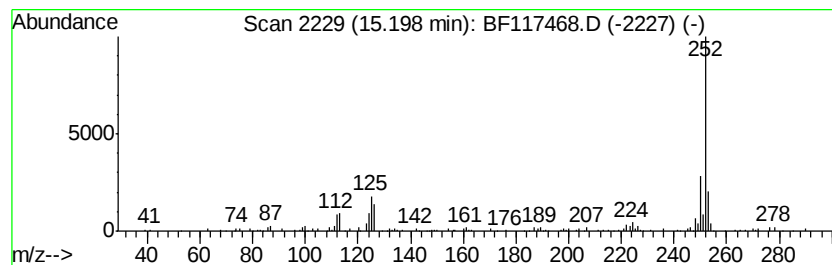
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	7.80 ng	111274	Perylene-d12	15.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	98
3			Benzo[e]pyrene	252	C20H12	000192-97-2	96
4			Benzo[a]pyrene	252	C20H12	000050-32-8	95
5			Perylene	252	C20H12	000198-55-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

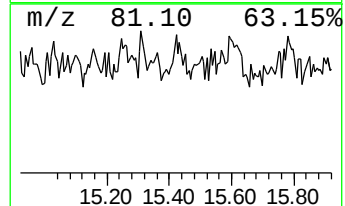
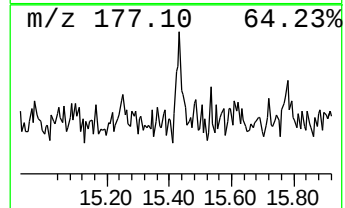
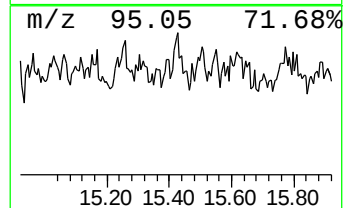
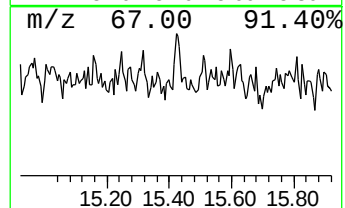
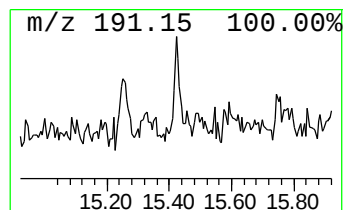
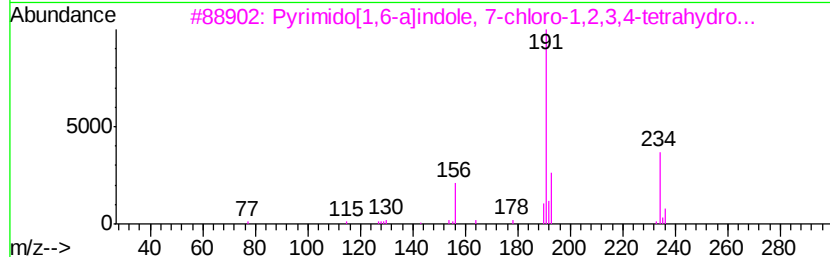
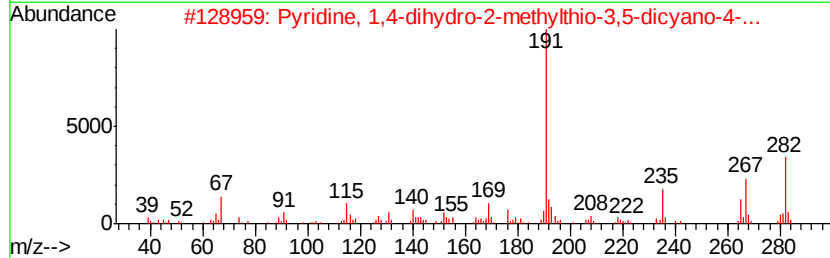
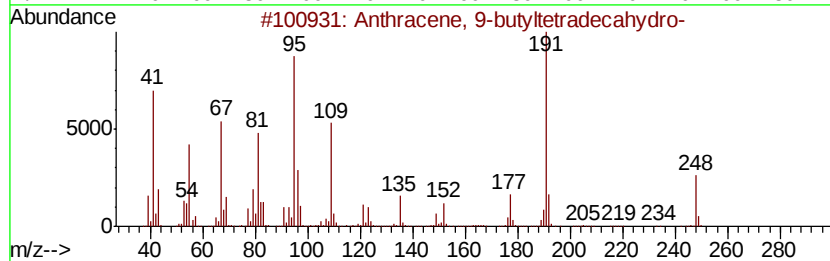
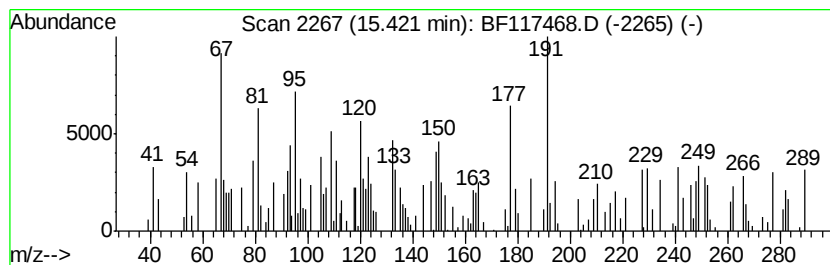
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown15.42 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	3.64 ng	51843	Perylene-d12	15.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-butyltetradecahydro-	248	C18H32	055133-89-6	30
2			Pyridine, 1,4-dihydro-2-methylthio-	282	C15H14N4S	202405-67-2	27
3			Pyrimido[1,6-a]indole, 7-chloro-	234	C13H15ClN2	022106-14-5	18
4			4-Fluoro-2-trifluoromethylbenzoi-	418	C23H34F4O2	1000338-83-2	18
5			2-Amino-3-cyano-5-methyl-isonico-	191	C9H9N3O2	1000296-52-1	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

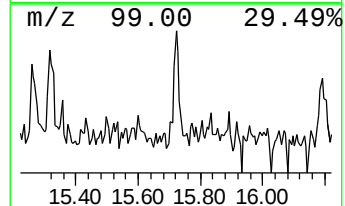
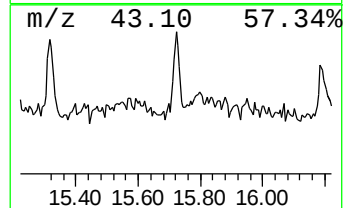
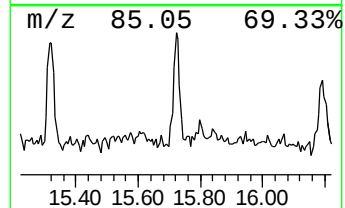
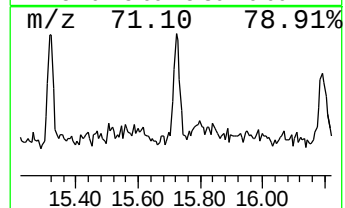
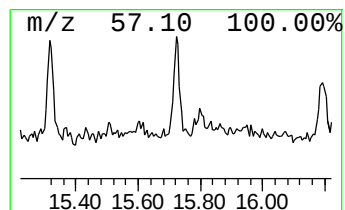
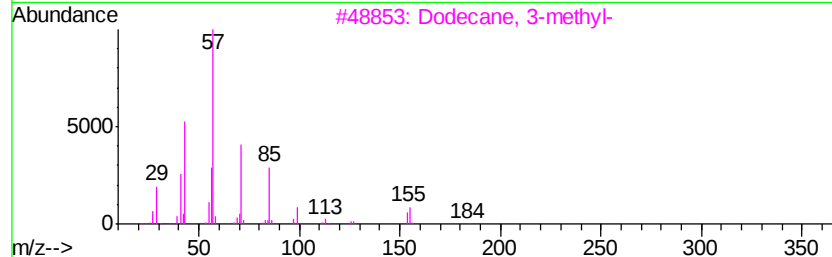
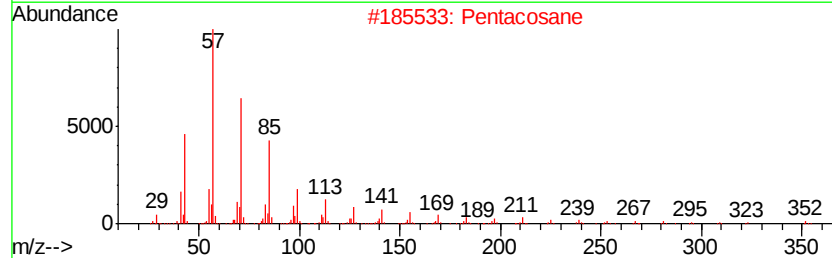
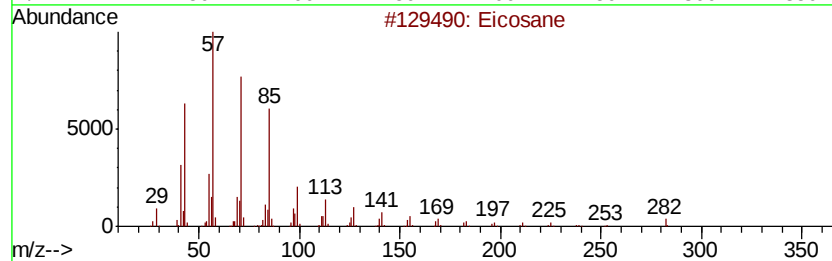
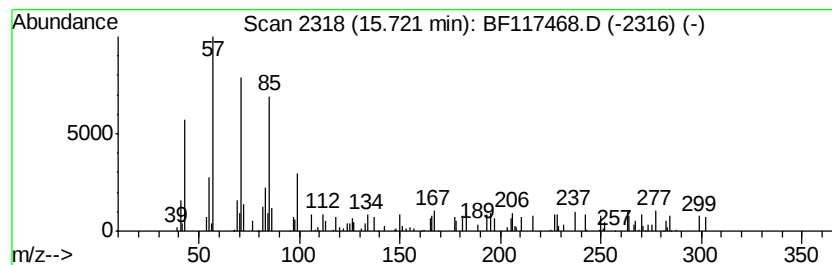
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Eicosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	2.20 ng	31378	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	68
2		Pentacosane	352	C25H52	000629-99-2	53
3		Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
4		Decanoic acid, 5-ethyl-3,5,9-tri...	256	C16H32O2	056247-63-3	53
5		Hexadecane, 2-methyl-	240	C17H36	001560-92-5	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

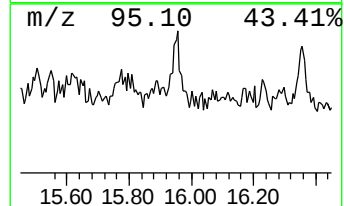
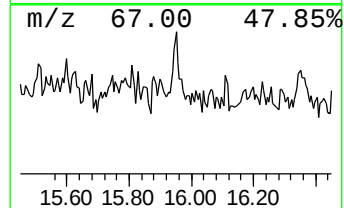
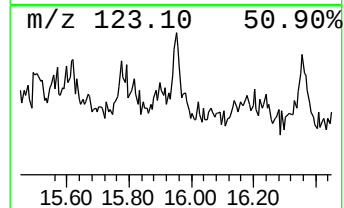
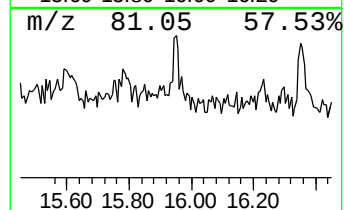
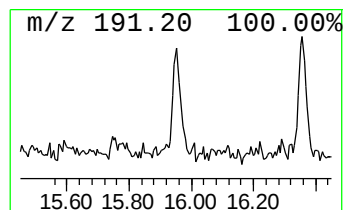
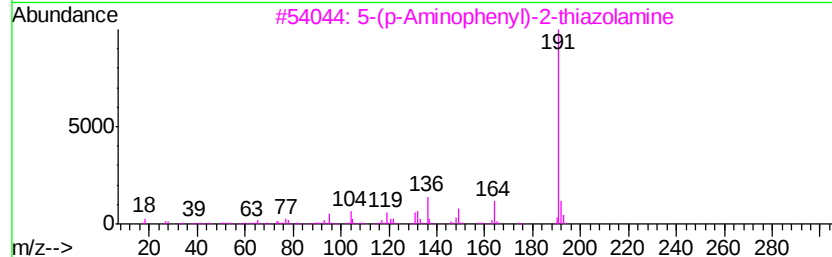
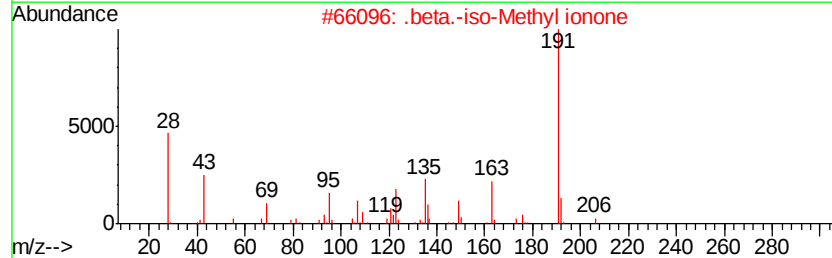
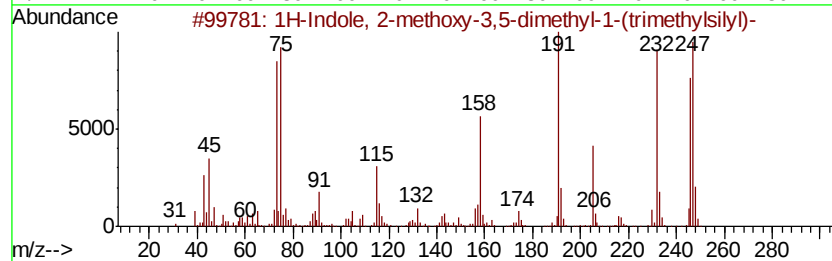
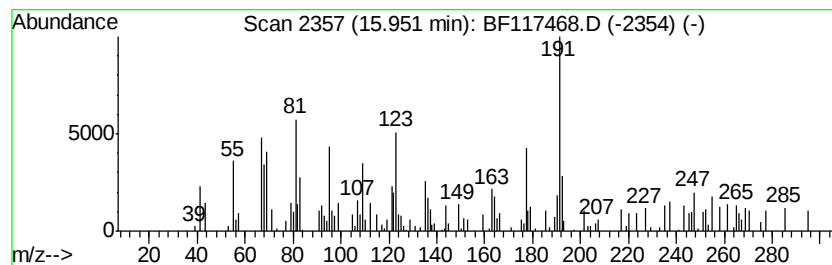
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown15.95 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	6.19 ng	88252	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indole, 2-methoxy-3,5-dimethy...	247	C14H21NOSi	074367-60-5	42
2		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	30
3		5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	22
4		3-Buten-2-one, 4-(2,5,6,6-tetram...	206	C14H22O	000079-70-9	22
5		2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	16



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
Acq On : 22 Oct 2019 00:42
Operator : JU
Sample : K5146-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

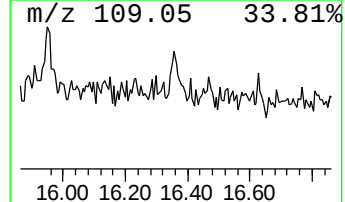
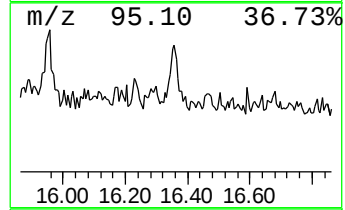
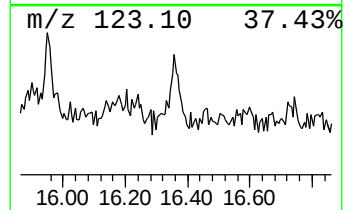
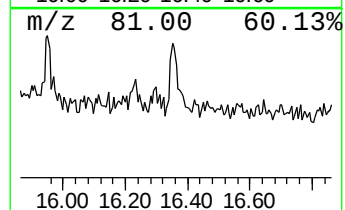
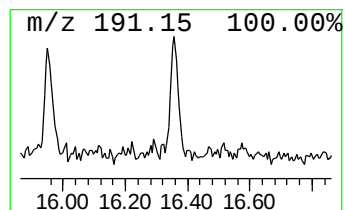
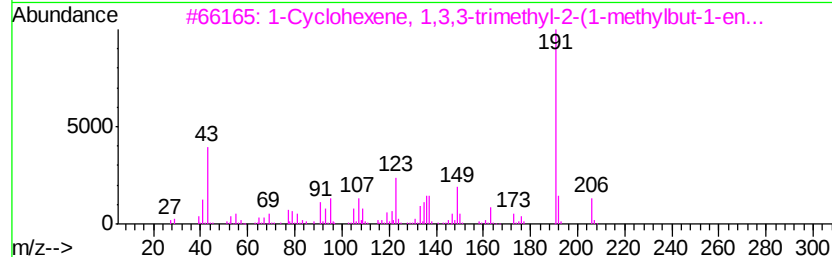
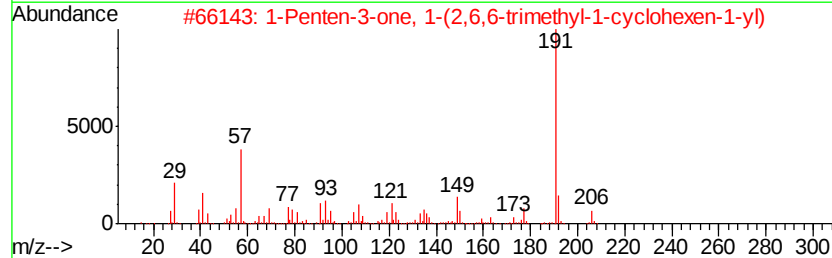
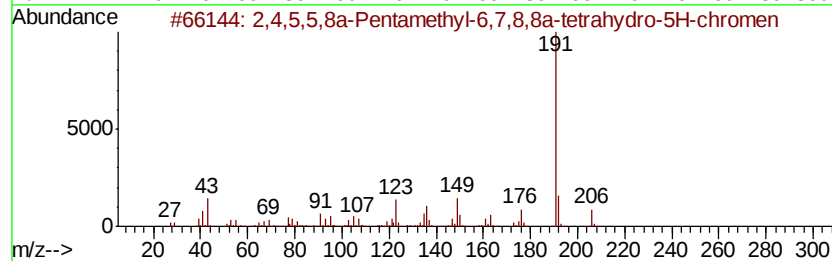
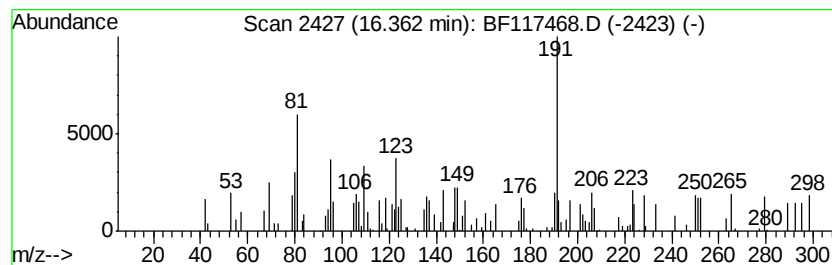
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown16.36 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	5.25 ng	74920	Perylene-d12	15.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	42		
2	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38		
3	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	30		
4	3-Indolethanamine, N-acetyl-5-fl...	250	C13H15FN2O2	1000116-27-1	30		
5	Phenol, 2,5-bis(1,1-dimethylethyl)-	206	C14H22O	005875-45-6	30		



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102119\
 Data File : BF117468.D
 Acq On : 22 Oct 2019 00:42
 Operator : JU
 Sample : K5146-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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
unknown6.50	6.50	91.7	ng	1153320	1	6.73	251451	20.0
n-Hexadecanoic acid	11.78	6.0	ng	104139	4	11.24	347514	20.0
4H-Cyclopenta[def...	11.86	2.8	ng	47841	4	11.24	347514	20.0
Phenanthrene, 2,5...	12.30	2.1	ng	37047	4	11.24	347514	20.0
unknown12.34	12.34	2.4	ng	41876	4	11.24	347514	20.0
Benzene, 1,1'-(1,...	12.56	2.4	ng	41104	4	11.24	347514	20.0
11H-Benzo[b]fluorene	12.91	3.0	ng	63354	5	13.89	425613	20.0
Pyrene, 1-methyl-	13.13	2.0	ng	43585	5	13.89	425613	20.0
Pyrene, 2-methyl-	13.25	2.0	ng	43067	5	13.89	425613	20.0
1-Heptacosanol	13.73	9.1	ng	193770	5	13.89	425613	20.0
7H-Benz[de]anthra...	14.05	3.9	ng	81922	5	13.89	425613	20.0
Hexadecane	14.35	3.0	ng	63512	5	13.89	425613	20.0
9,10[1',2']-Benze...	14.77	2.5	ng	35854	6	15.32	285212	20.0
Benzo[e]pyrene	15.02	5.1	ng	72547	6	15.32	285212	20.0
Perylene	15.20	7.8	ng	111274	6	15.32	285212	20.0
unknown15.42	15.42	3.6	ng	51843	6	15.32	285212	20.0
Eicosane	15.72	2.2	ng	31378	6	15.32	285212	20.0
unknown15.95	15.95	6.2	ng	88252	6	15.32	285212	20.0
unknown16.36	16.36	5.3	ng	74920	6	15.32	285212	20.0