

Data File : BF115304.D
Acq On : 29 Jun 2019 1:28
Operator : HP/JU
Sample : K3163-13 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-062719-A

Quant Time: Jun 29 02:40:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 05:26:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	333133	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	1269786	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	616218	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	1187527	20.00	ng	0.00
76) Chrysene-d12	13.72	240	856373	20.00	ng	0.00
87) Perylene-d12	15.08	264	694678	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	728227	33.73	ng	0.00
7) Phenol-d6	6.24	99	935719	35.71	ng	0.00
23) Nitrobenzene-d5	7.15	82	533950	25.87	ng	-0.01
42) 2,4,6-Tribromophenol	10.41	330	255987	39.39	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1077474	29.70	ng	0.00
79) Terphenyl-d14	12.68	244	1155312	28.68	ng	0.00

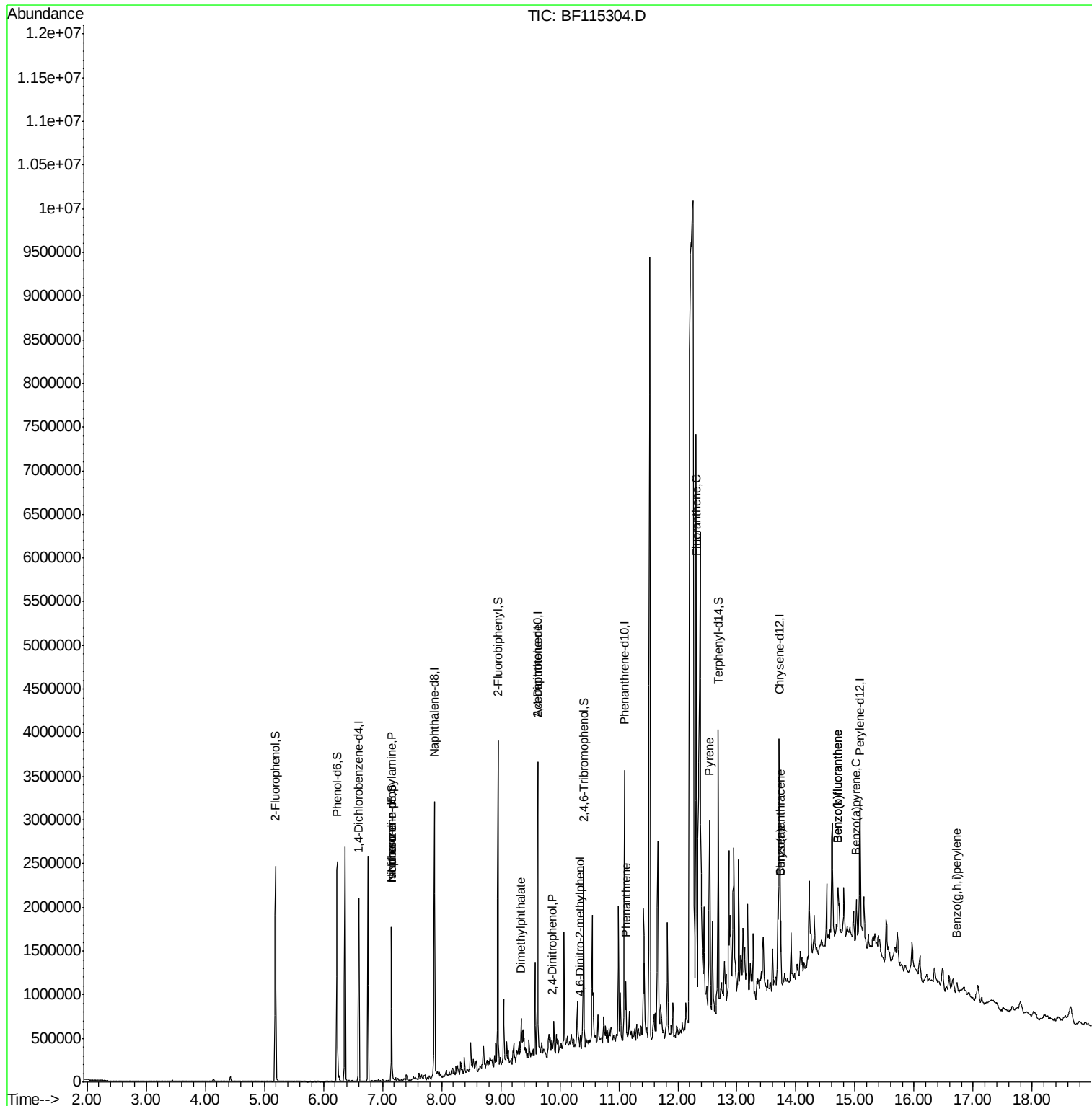
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.15	70	71826	4.282	ng	# 78
25) Isophorone	7.15	82	530860	12.554	ng	# 63
50) Dimethylphthalate	9.35	163	152302	3.359	ng	98
54) 2,4-Dinitrophenol	9.87	184	130	7.366	ng	# 1
57) 2,4-Dinitrotoluene	9.62	165	86502	6.401	ng	# 31
58) Fluorene	10.17	166	18833	Below Cal		# 91
61) 4-Chlorophenyl-phenylether	10.19	204	621	Below Cal		# 1
65) 4,6-Dinitro-2-methylphenol	10.34	198	118	4.977	ng	# 1
71) Phenanthrene	11.12	178	225138	3.521	ng	96
75) Fluoranthene	12.30	202	624785	9.794	ng	99
78) Pyrene	12.53	202	583838	8.871	ng	99
81) Benzo(a)anthracene	13.74	228	292229	4.756	ng	94
83) Chrysene	13.74	228	292229	5.192	ng	97
88) Benzo(b)fluoranthene	14.71	252	431267	9.949	ng	# 90
89) Benzo(k)fluoranthene	14.71	252	431267	11.095	ng	# 93
90) Benzo(a)pyrene	15.02	252	200764	5.139	ng	# 92
92) Benzo(g,h,i)perylene	16.72	276	96216	2.606	ng	# 92

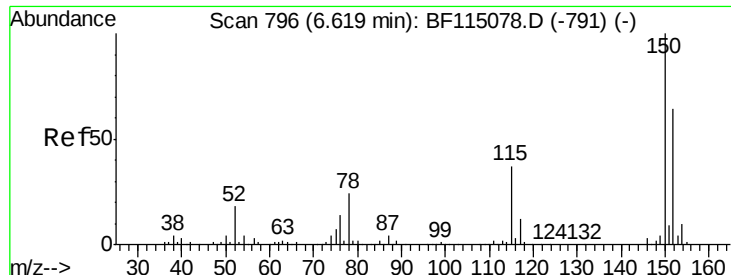
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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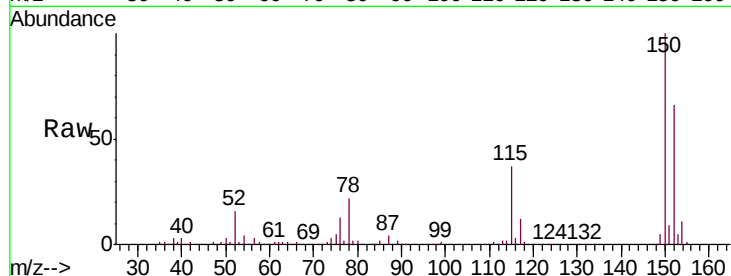


#1

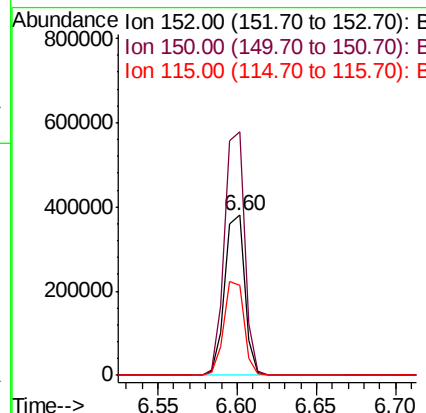
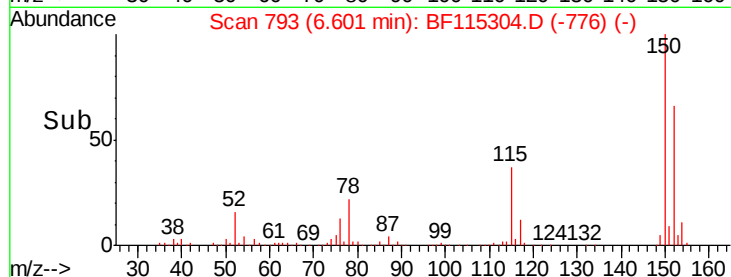
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF115304.D
Acq: 29 Jun 2019 1:28

Instrument :
BNA_F
ClientSampleId :
SU-01-062719-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.8	124.2	186.2
115	56.3	46.1	69.1



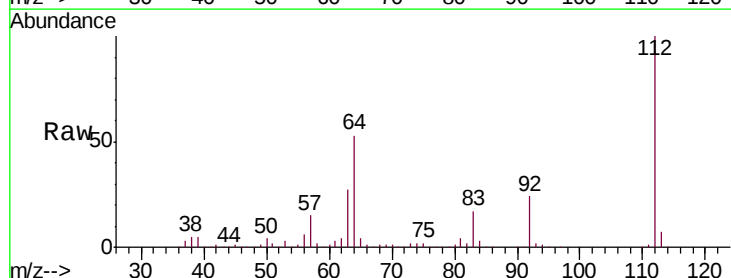
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



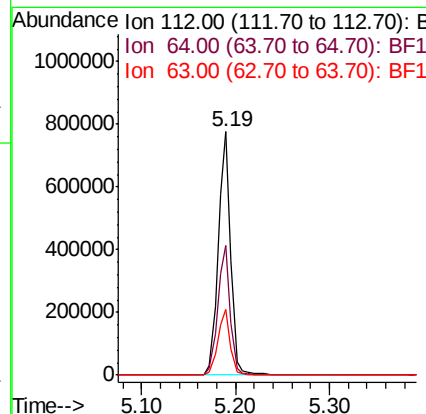
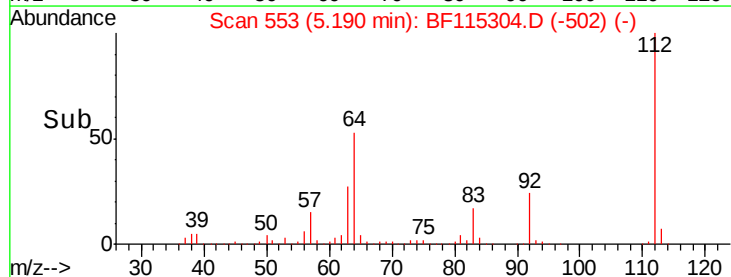
#5

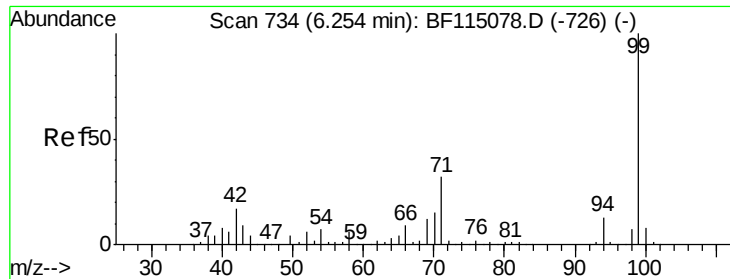
2-Fluorophenol
Concen: 33.734 ng
RT: 5.19 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF115304.D
Acq: 29 Jun 2019 1:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	43.8	65.6
63	27.2	22.2	33.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 35.712 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115304.D

Acq: 29 Jun 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SU-01-062719-A

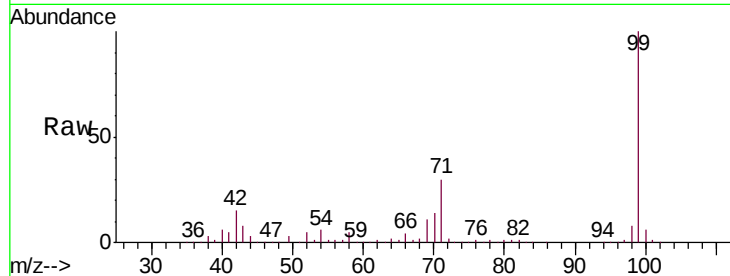
Tgt Ion: 99 Resp: 935719

Ion Ratio Lower Upper

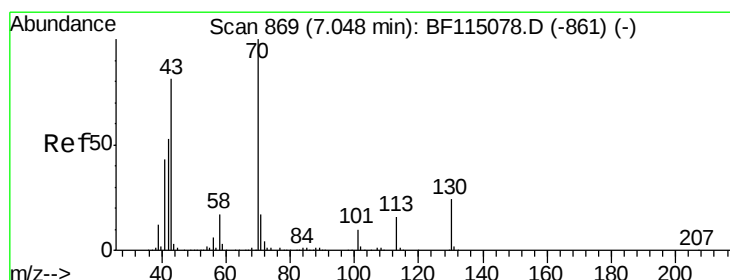
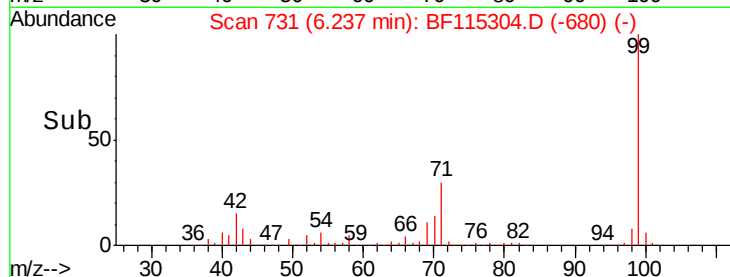
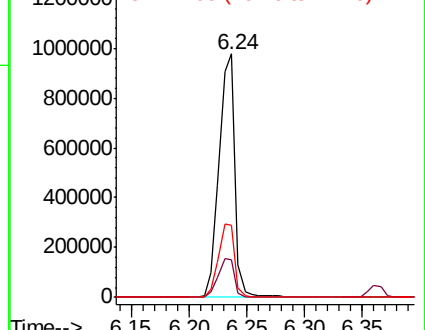
99 100

42 15.3 13.6 20.4

71 29.9 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 4.282 ng

RT: 7.15 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF115304.D

Acq: 29 Jun 2019 1:28

Tgt Ion: 70 Resp: 71826

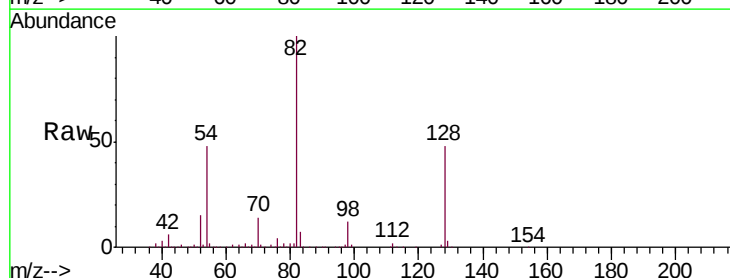
Ion Ratio Lower Upper

70 100

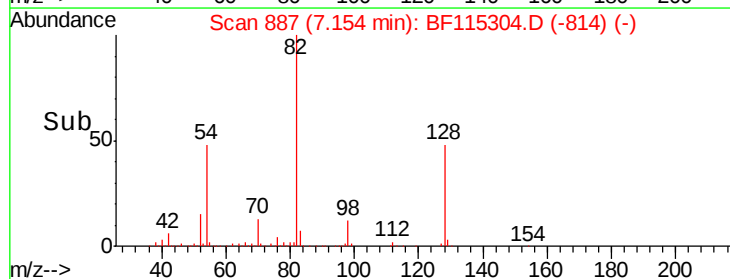
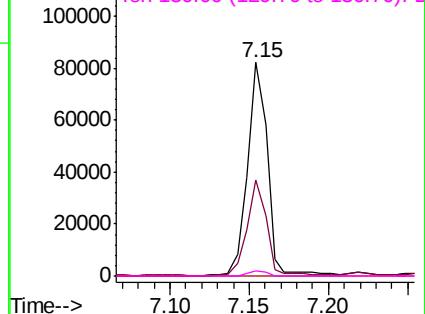
42 45.2 42.6 63.8

101 0.0 8.0 12.0#

130 2.2 19.4 29.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

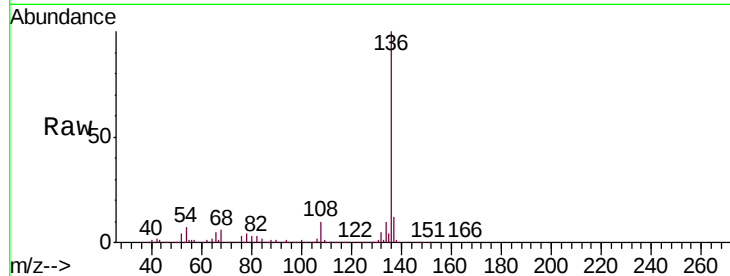




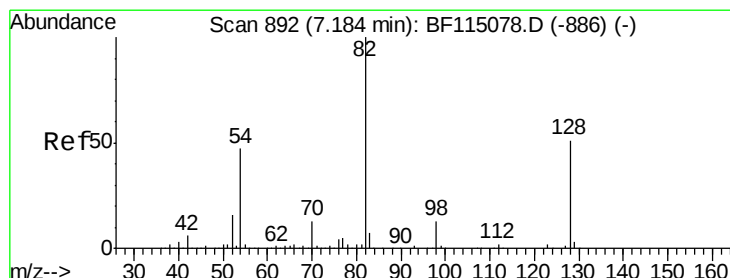
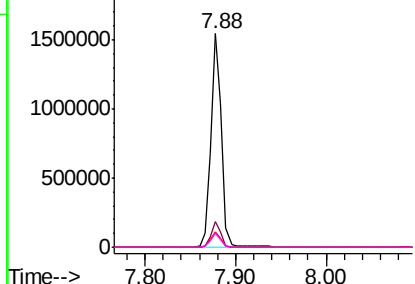
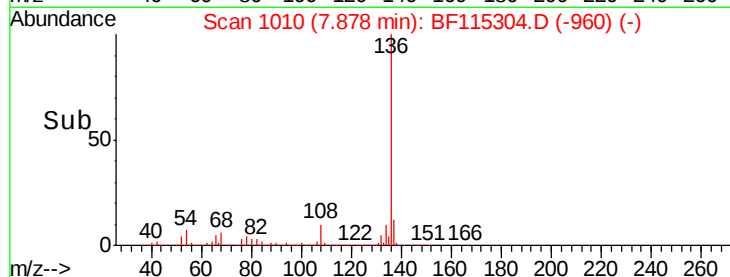
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115304.D
Acq: 29 Jun 2019 1:28

Instrument :
BNA_F
ClientSampleId :
SU-01-062719-A

Tgt Ion: 136 Resp: 1269786
Ion Ratio Lower Upper
136 100
137 11.7 8.9 13.3
54 7.3 5.6 8.4
68 6.3 4.8 7.2

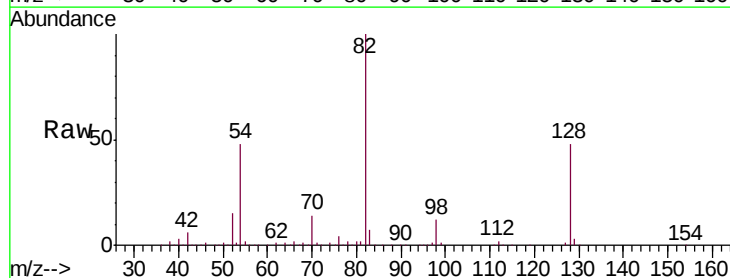


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

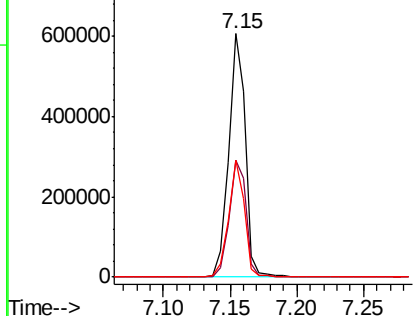
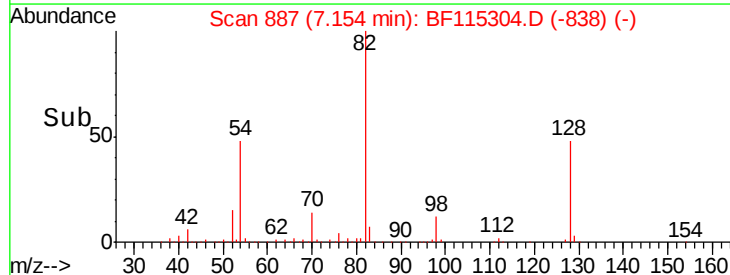


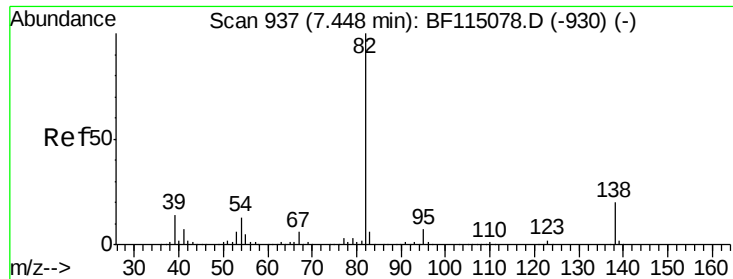
#23
Nitrobenzene-d5
Concen: 25.867 ng
RT: 7.15 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF115304.D
Acq: 29 Jun 2019 1:28

Tgt Ion: 82 Resp: 533950
Ion Ratio Lower Upper
82 100
128 47.8 40.4 60.6
54 47.9 37.5 56.3



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

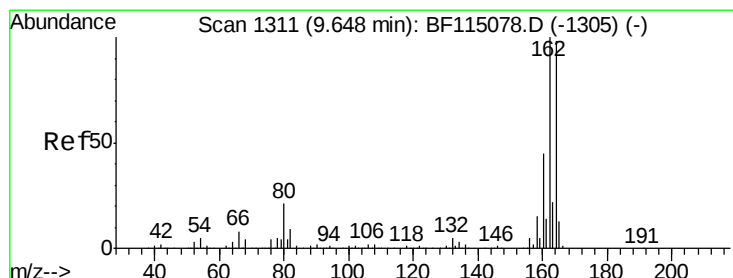
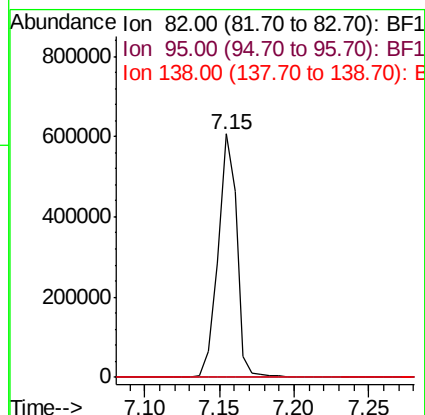
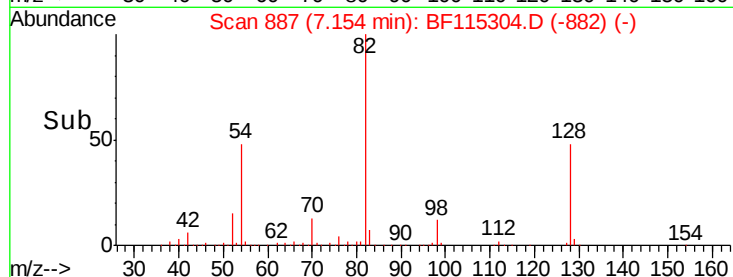
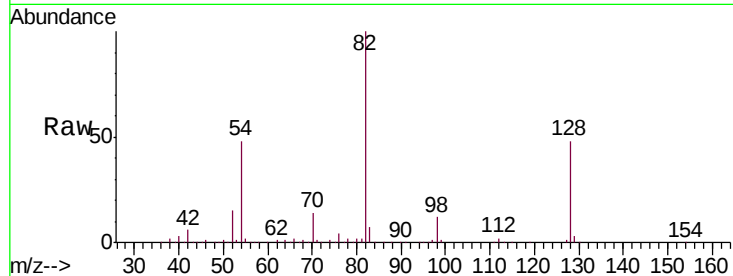




#25
Isophorone
Concen: 12.554 ng
RT: 7.15 min Scan# 887
Delta R.T. -0.27 min
Lab File: BF115304.D
Acq: 29 Jun 2019 1:28

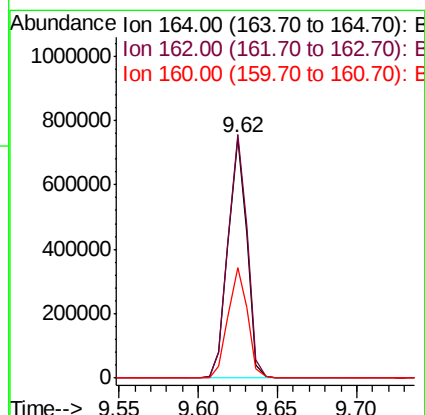
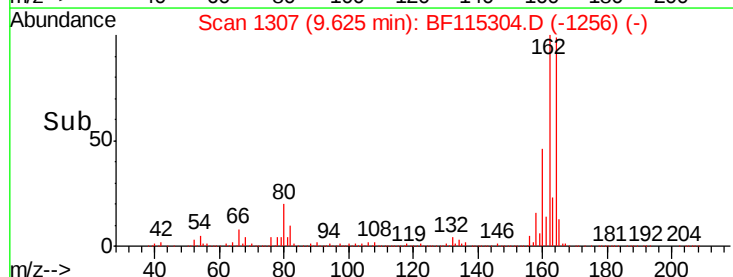
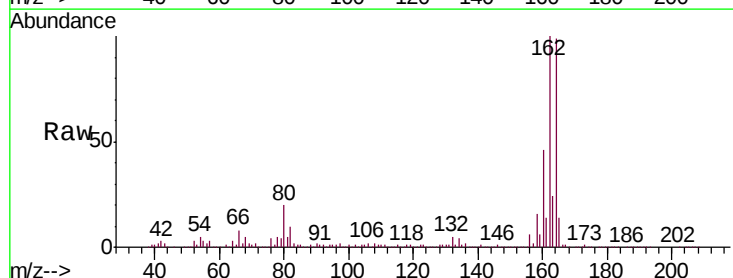
Instrument :
BNA_F
ClientSampleId :
SU-01-062719-A

Tgt Ion: 82 Resp: 530860
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.2#
138 0.0 15.9 23.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF115304.D
Acq: 29 Jun 2019 1:28

Tgt Ion: 164 Resp: 616218
Ion Ratio Lower Upper
164 100
162 101.4 81.7 122.5
160 46.2 37.0 55.4

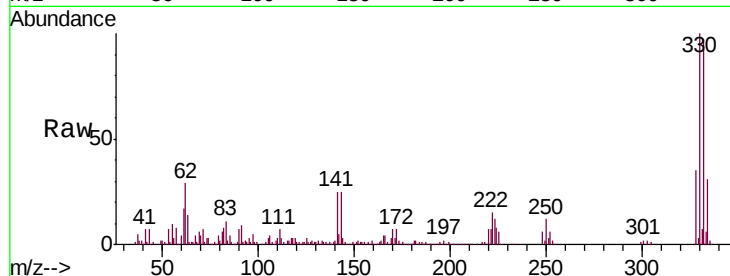




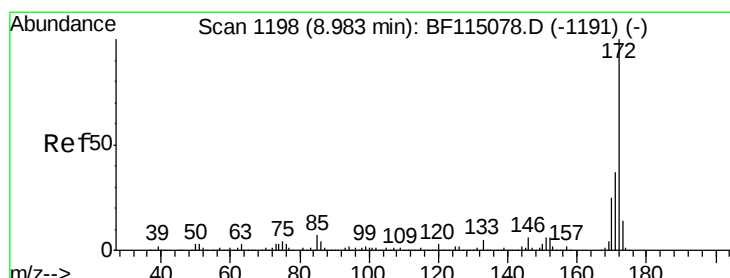
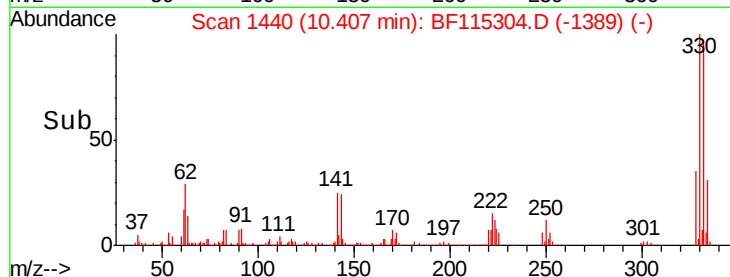
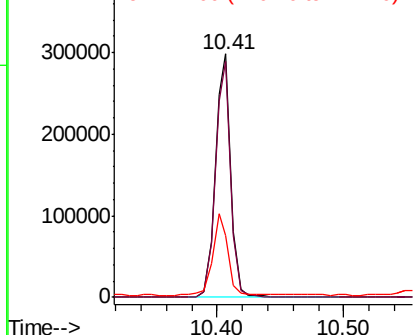
#42
 2,4,6-Tribromophenol
 Concen: 39.393 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115304.D
 Acq: 29 Jun 2019 1:28

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-062719-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	33.1	28.2	42.2

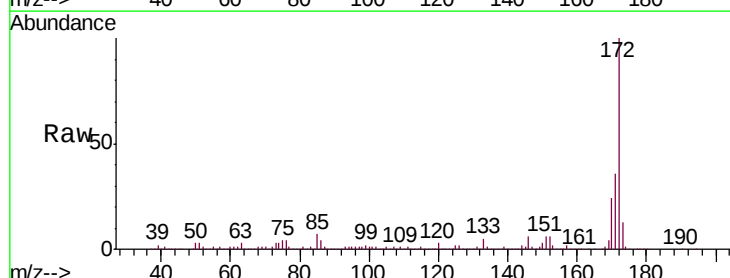


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

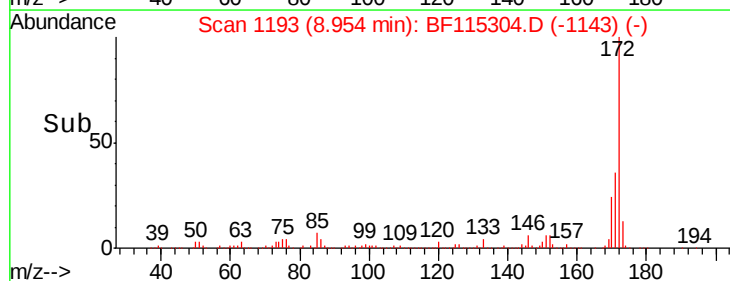
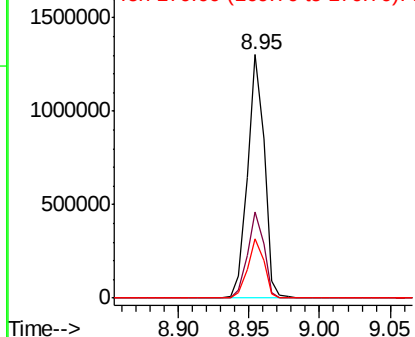


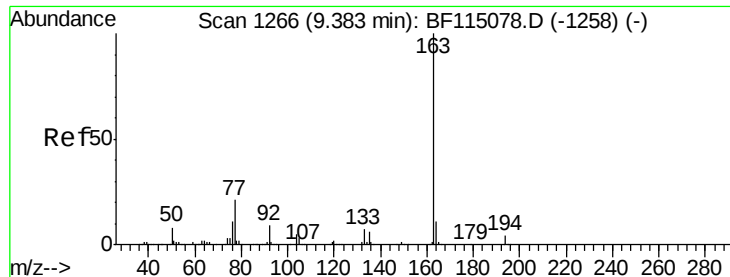
#45
 2-Fluorobiphenyl
 Concen: 29.701 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115304.D
 Acq: 29 Jun 2019 1:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.8	44.6
170	24.1	20.3	30.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.359 ng

RT: 9.35 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF115304.D

Acq: 29 Jun 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SU-01-062719-A

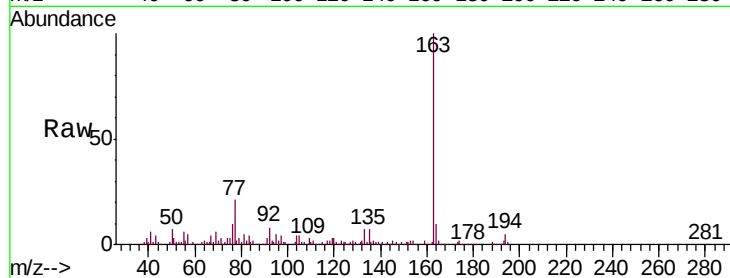
Tgt Ion:163 Resp: 152302

Ion Ratio Lower Upper

163 100

194 4.6 3.2 4.8

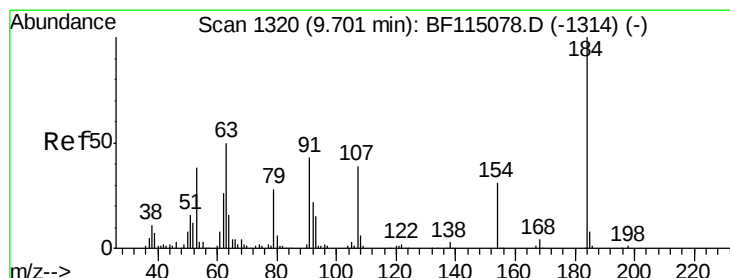
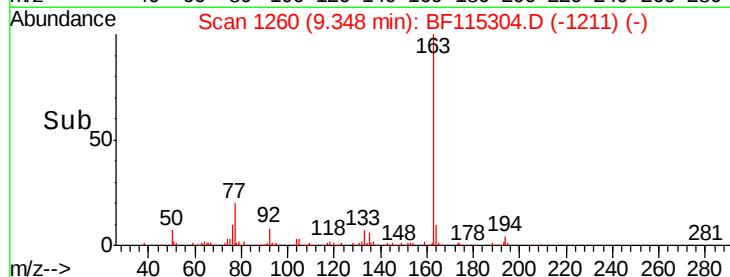
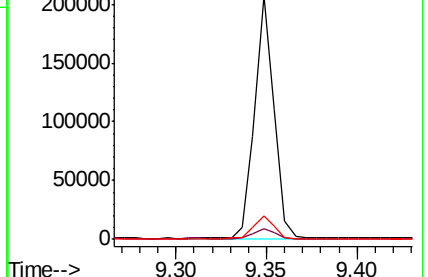
164 9.9 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 7.366 ng

RT: 9.87 min Scan# 1349

Delta R.T. 0.19 min

Lab File: BF115304.D

Acq: 29 Jun 2019 1:28

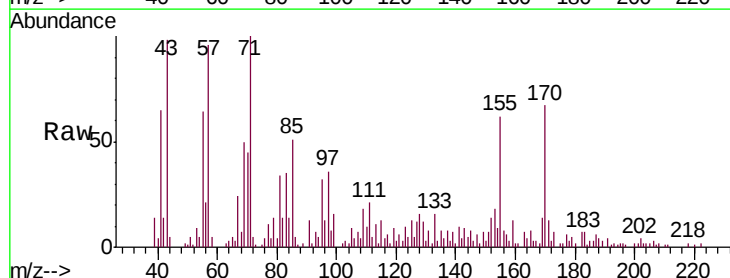
Tgt Ion:184 Resp: 130

Ion Ratio Lower Upper

184 100

63 174.7 41.9 62.9#

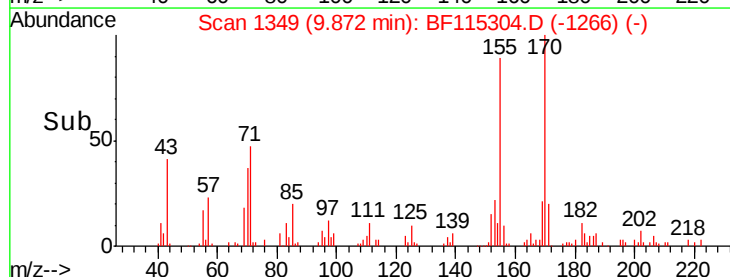
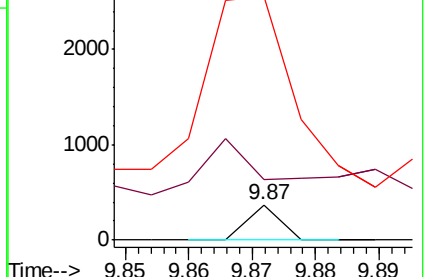
154 696.2 44.7 67.1#

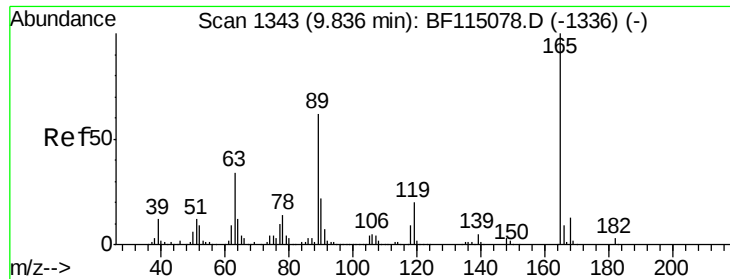


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

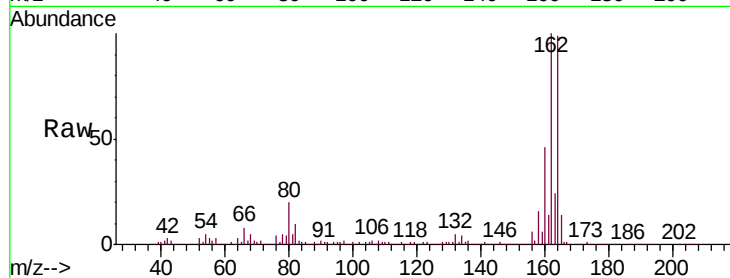




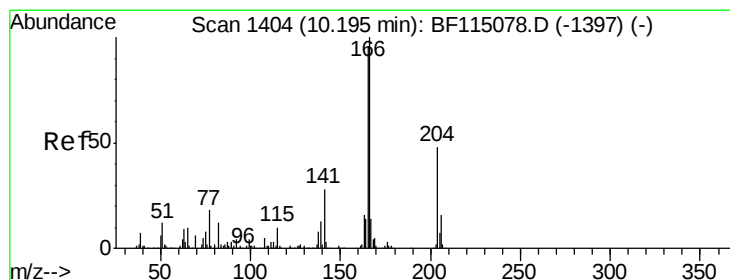
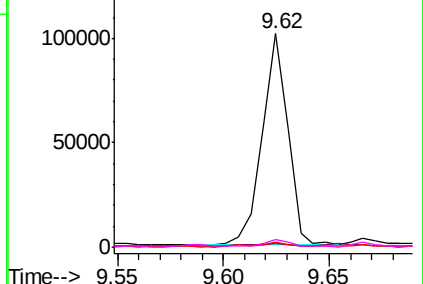
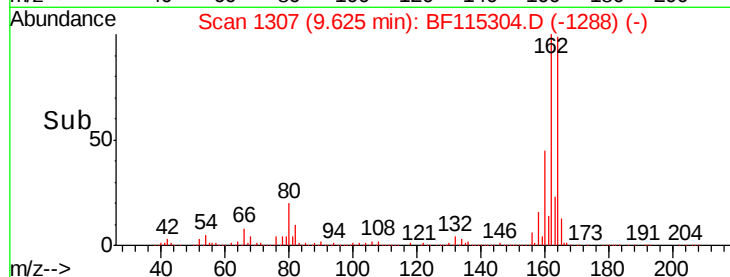
#57
 2,4-Dinitrotoluene
 Concen: 6.401 ng
 RT: 9.62 min Scan# 1307
 Delta R.T. -0.19 min
 Lab File: BF115304.D
 Acq: 29 Jun 2019 1:28

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-062719-A

Tgt Ion:	165	Resp:	86502
Ion	Ratio	Lower	Upper
165	100		
63	1.6	27.5	41.3#
89	2.3	49.9	74.9#
182	3.4	2.1	3.1#

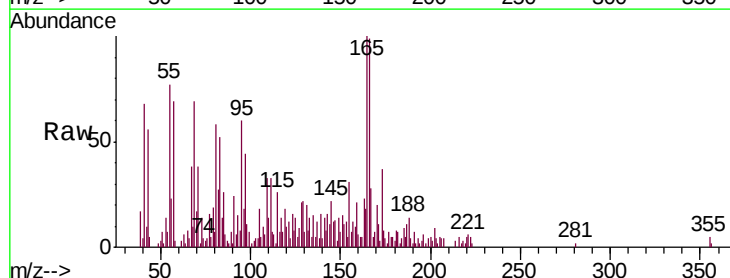


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

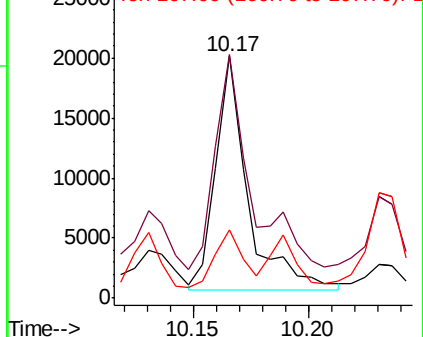
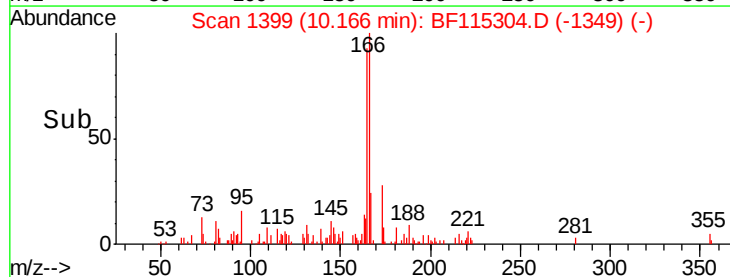


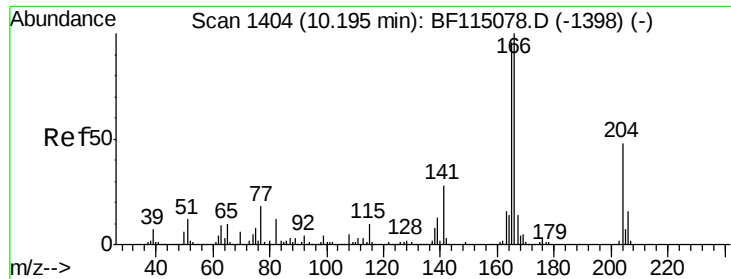
#58
 Fluorene
 Concen: Below Cal
 RT: 10.17 min Scan# 1399
 Delta R.T. -0.01 min
 Lab File: BF115304.D
 Acq: 29 Jun 2019 1:28

Tgt Ion:	166	Resp:	18833
Ion	Ratio	Lower	Upper
166	100		
165	100.6	76.5	114.7
167	28.1	11.0	16.4#



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

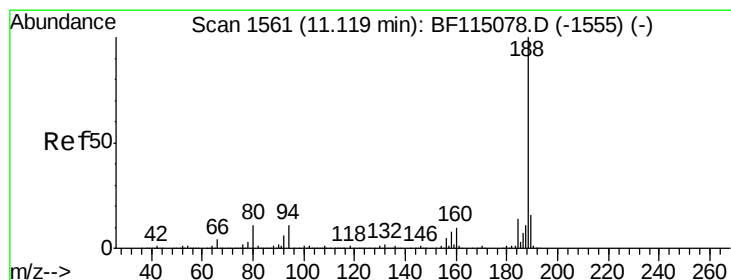
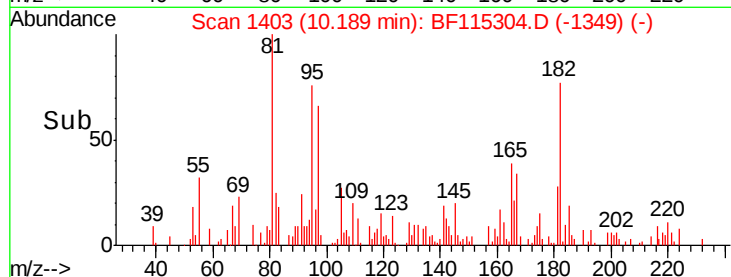
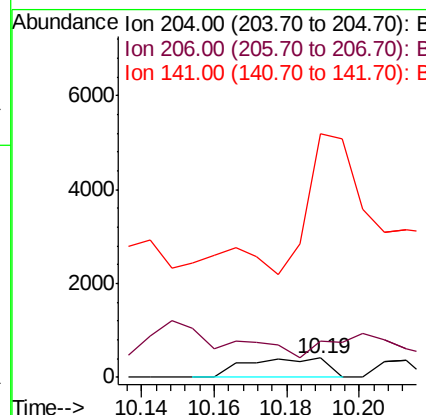
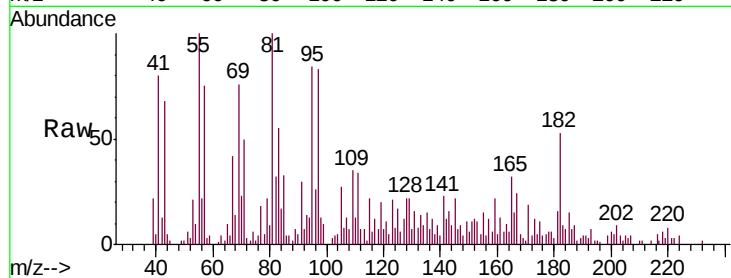




#61
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.19 min Scan# 1403
Delta R.T. 0.02 min
Lab File: BF115304.D
Acq: 29 Jun 2019 1:28

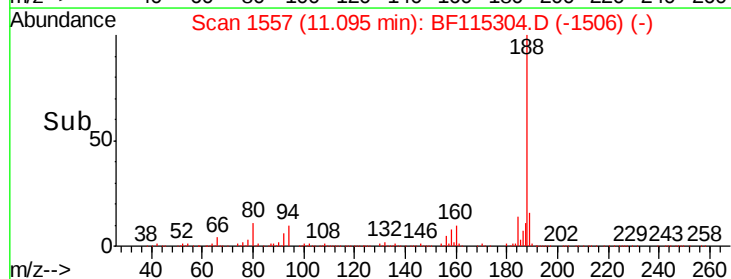
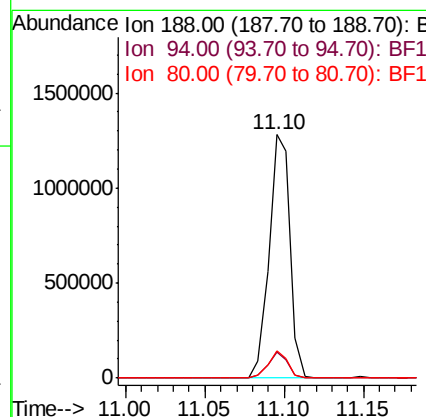
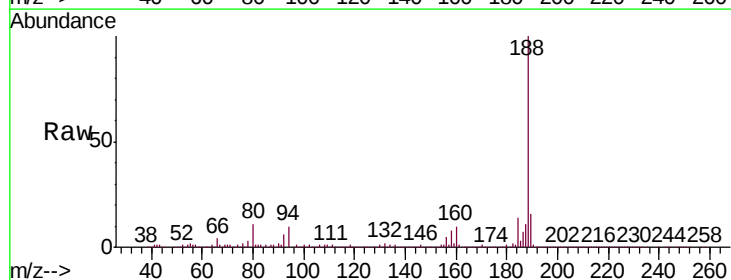
Instrument :
BNA_F
ClientSampleId :
SU-01-062719-A

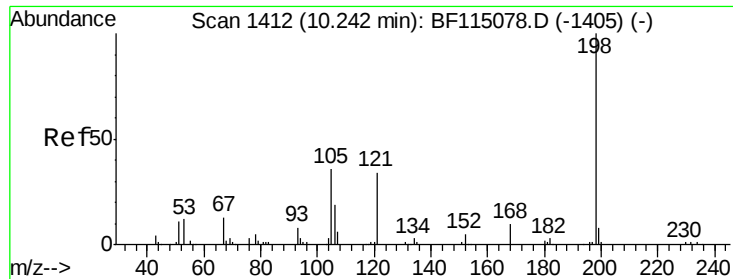
Tgt Ion: 204 Resp: 621
Ion Ratio Lower Upper
204 100
206 184.0 26.6 40.0#
141 1255.2 46.7 70.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF115304.D
Acq: 29 Jun 2019 1:28

Tgt Ion: 188 Resp: 1187527
Ion Ratio Lower Upper
188 100
94 10.5 8.6 12.8
80 11.1 8.8 13.2

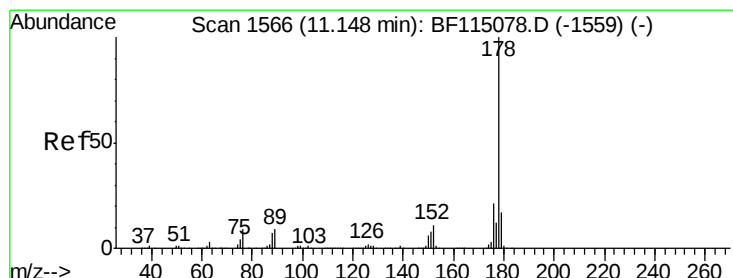
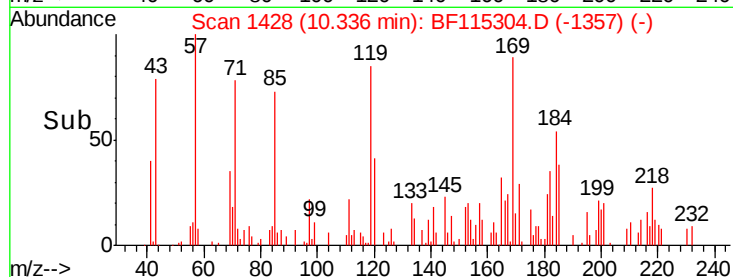
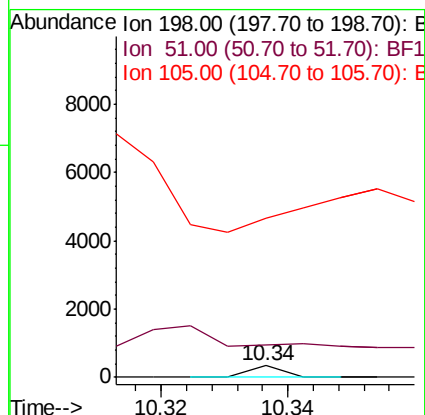
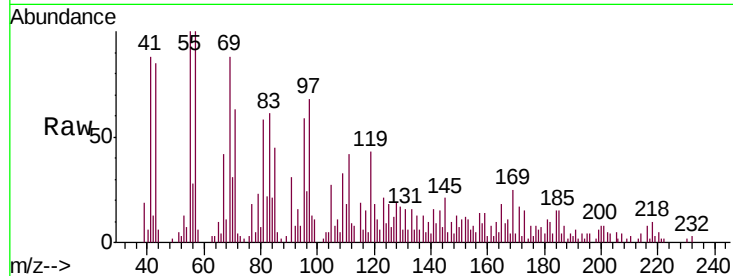




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.977 ng
 RT: 10.34 min Scan# 1428
 Delta R.T. 0.12 min
 Lab File: BF115304.D
 Acq: 29 Jun 2019 1:28

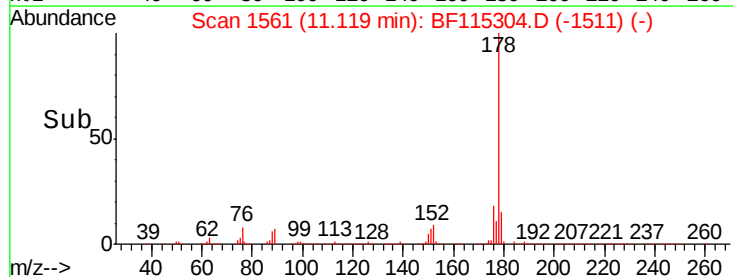
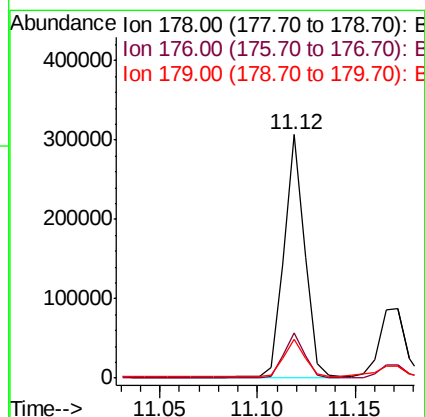
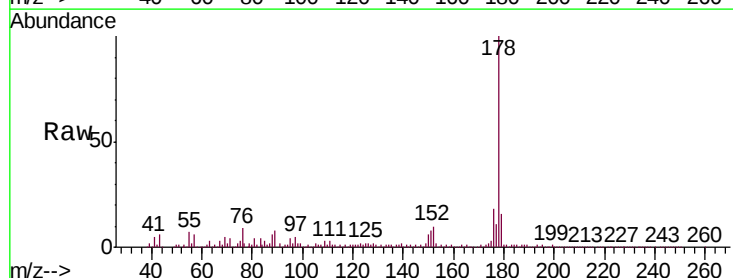
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-062719-A

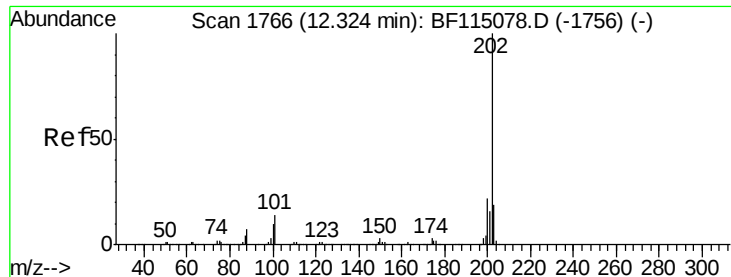
Tgt Ion:198 Resp: 118
 Ion Ratio Lower Upper
 198 100
 51 279.9 11.0 51.0#
 105 1393.4 17.3 57.3#



#71
 Phenanthrene
 Concen: 3.521 ng
 RT: 11.12 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF115304.D
 Acq: 29 Jun 2019 1:28

Tgt Ion:178 Resp: 225138
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.9 25.3
 179 16.1 13.2 19.8





#75

Fluoranthene

Concen: 9.794 ng

RT: 12.30 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF115304.D

Acq: 29 Jun 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SU-01-062719-A

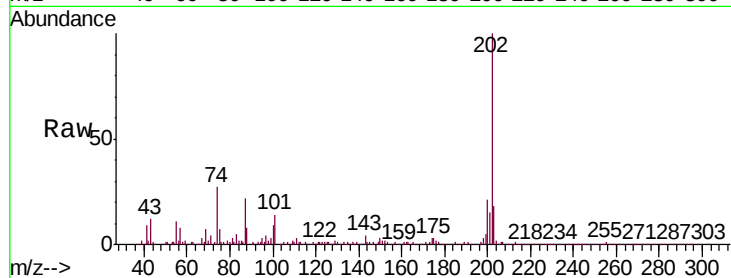
Tgt Ion: 202 Resp: 624785

Ion Ratio Lower Upper

202 100

101 14.3 0.0 34.0

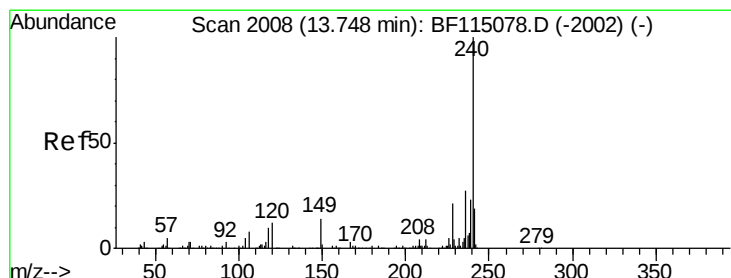
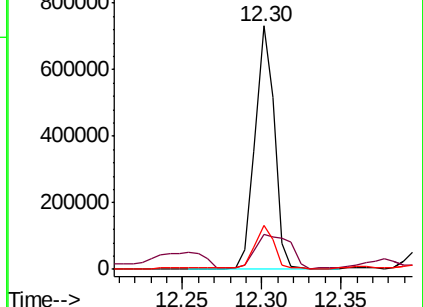
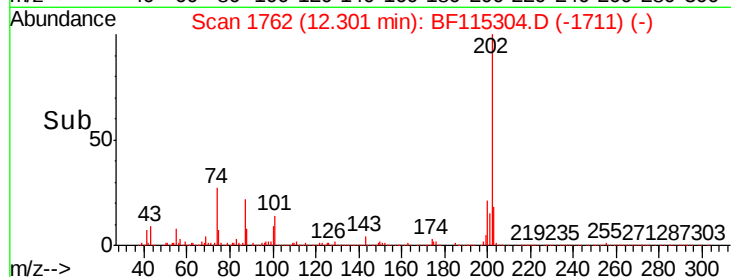
203 18.1 0.0 38.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.72 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF115304.D

Acq: 29 Jun 2019 1:28

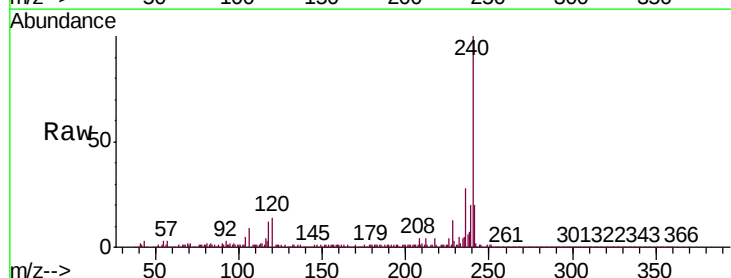
Tgt Ion: 240 Resp: 856373

Ion Ratio Lower Upper

240 100

120 13.6 9.4 14.2

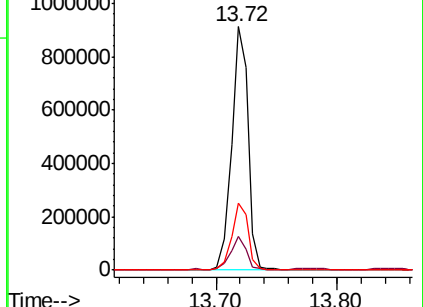
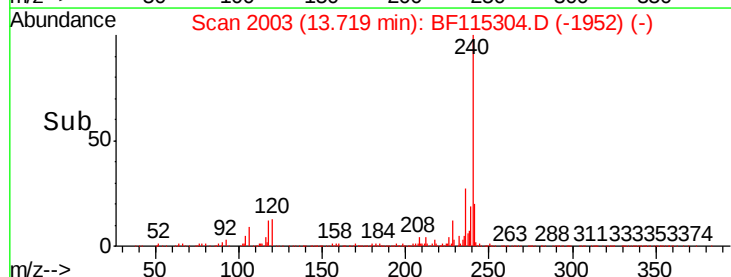
236 27.7 21.7 32.5

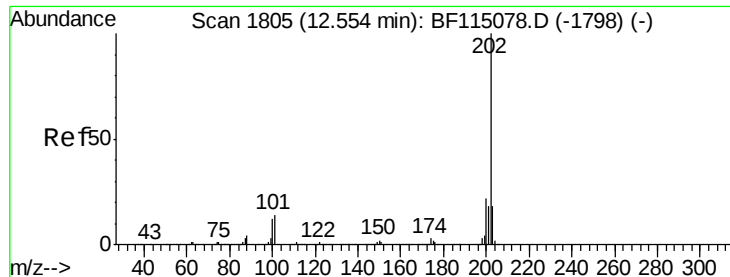


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 8.871 ng

RT: 12.53 min Scan# 1801

Delta R.T. 0.01 min

Lab File: BF115304.D

Acq: 29 Jun 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SU-01-062719-A

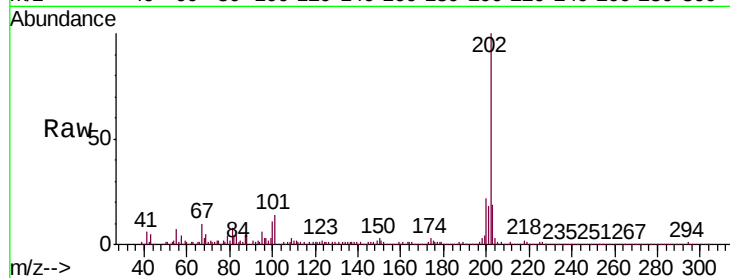
Tgt Ion: 202 Resp: 583838

Ion Ratio Lower Upper

202 100

200 21.6 17.9 26.9

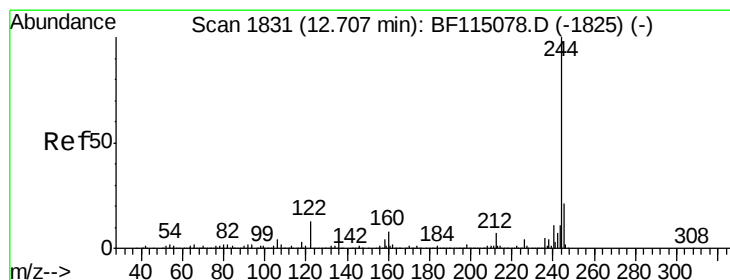
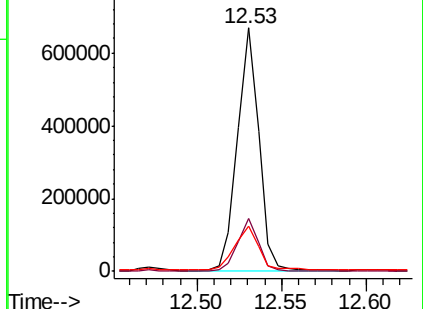
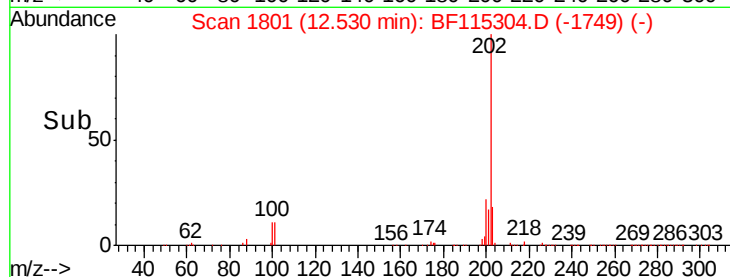
203 18.7 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 28.683 ng

RT: 12.68 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF115304.D

Acq: 29 Jun 2019 1:28

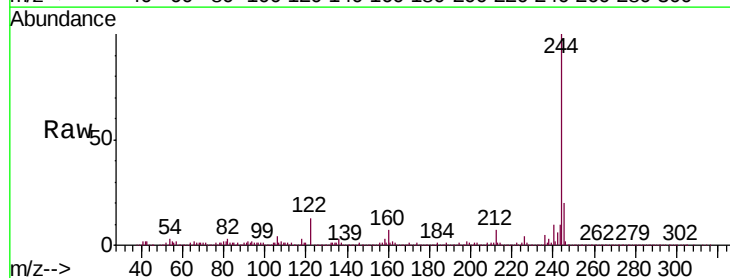
Tgt Ion: 244 Resp: 1155312

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

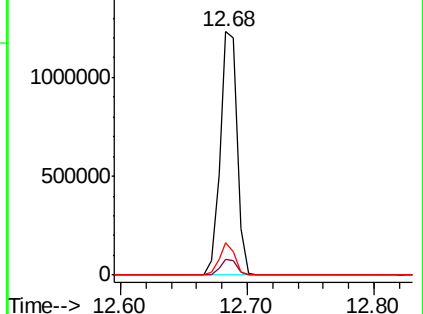
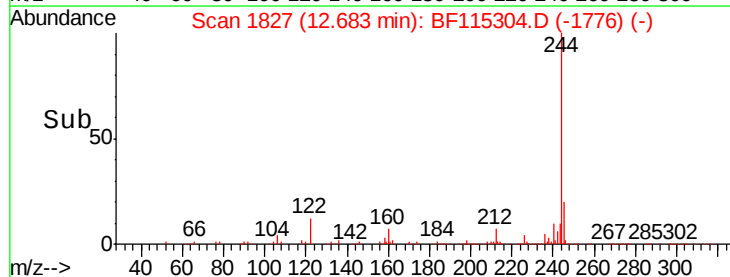
122 13.3 10.4 15.6

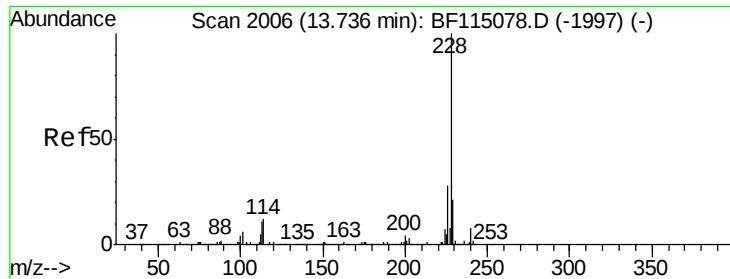


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.756 ng

RT: 13.74 min Scan# 2007

Delta R.T. 0.04 min

Lab File: BF115304.D

Acq: 29 Jun 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SU-01-062719-A

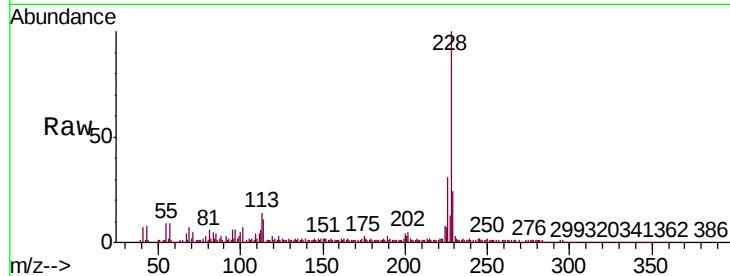
Tgt Ion:228 Resp: 292229

Ion Ratio Lower Upper

228 100

226 31.2 22.5 33.7

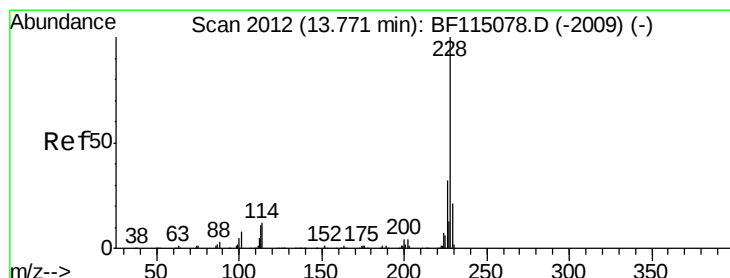
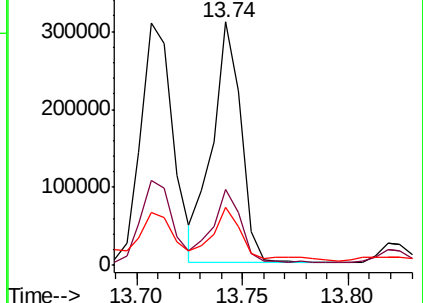
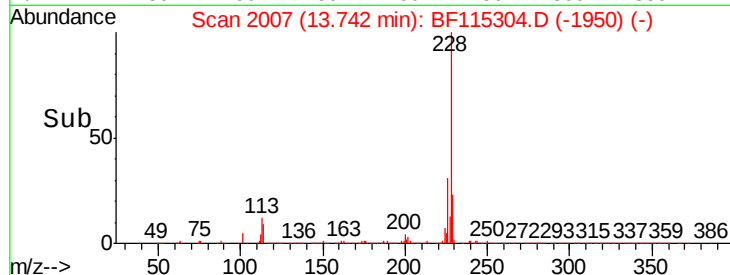
229 23.6 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 5.192 ng

RT: 13.74 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF115304.D

Acq: 29 Jun 2019 1:28

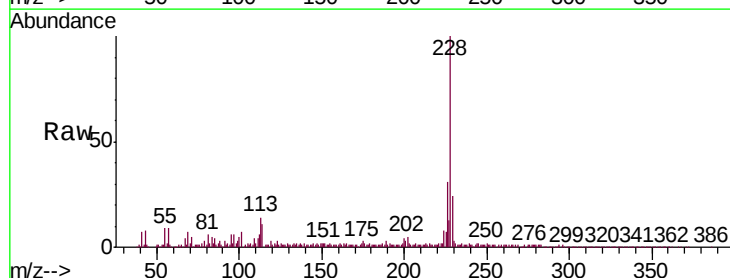
Tgt Ion:228 Resp: 292229

Ion Ratio Lower Upper

228 100

226 31.2 25.4 38.0

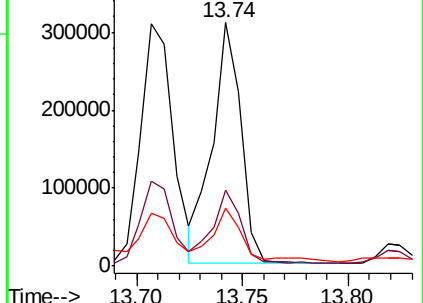
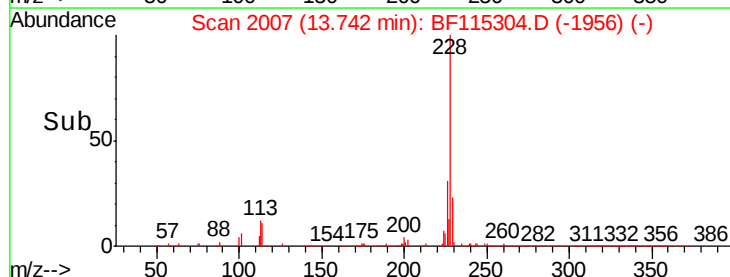
229 23.6 16.5 24.7

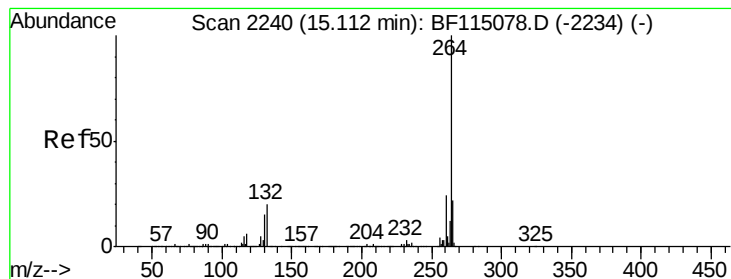


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.08 min Scan# 2235

Delta R.T. 0.00 min

Lab File: BF115304.D

Acq: 29 Jun 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SU-01-062719-A

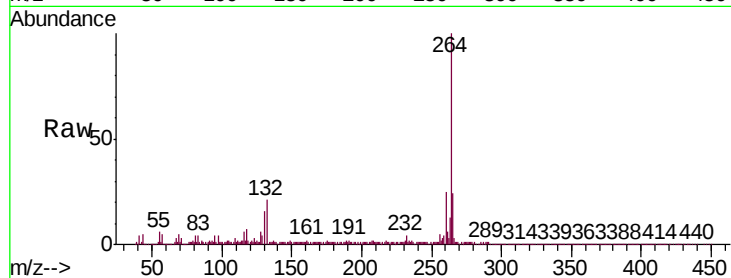
Tgt Ion:264 Resp: 694678

Ion Ratio Lower Upper

264 100

260 25.2 19.6 29.4

265 23.5 17.3 25.9

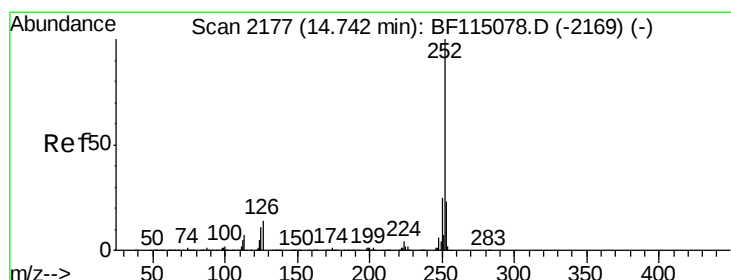
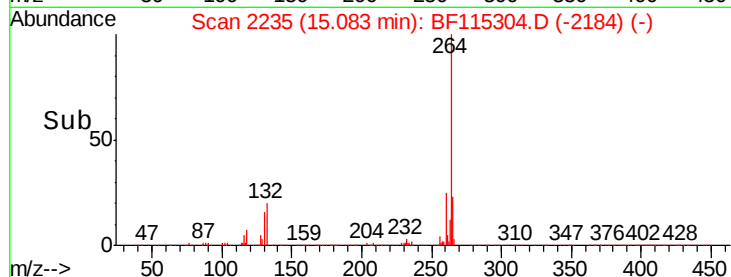
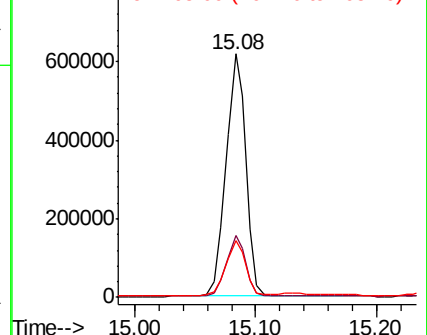


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 9.949 ng

RT: 14.71 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BF115304.D

Acq: 29 Jun 2019 1:28

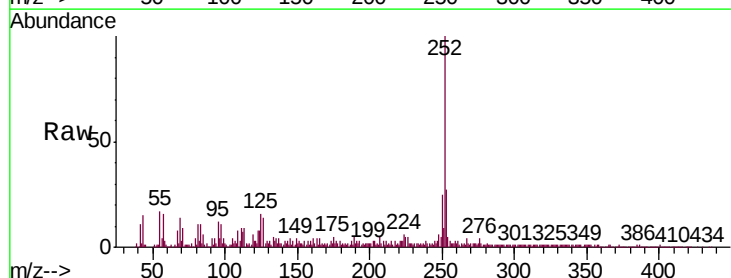
Tgt Ion:252 Resp: 431267

Ion Ratio Lower Upper

252 100

253 26.8 18.1 27.1

125 15.8 8.7 13.1#

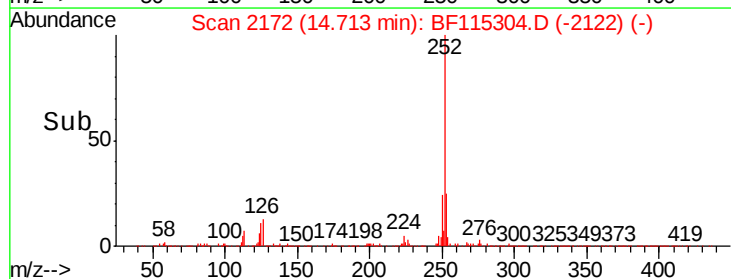
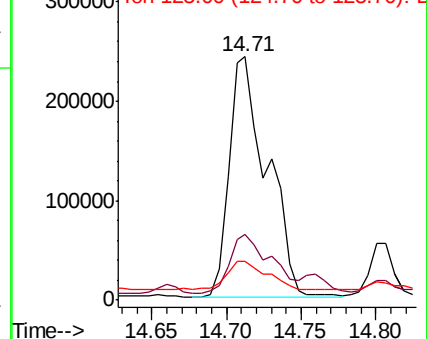


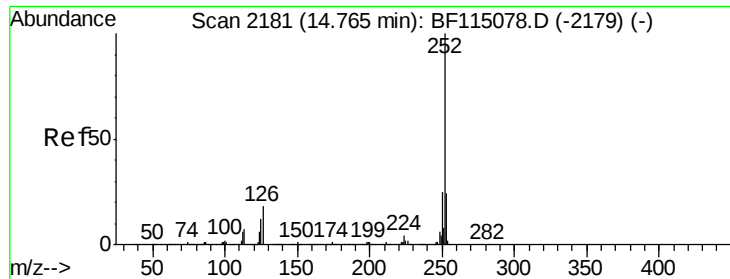
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

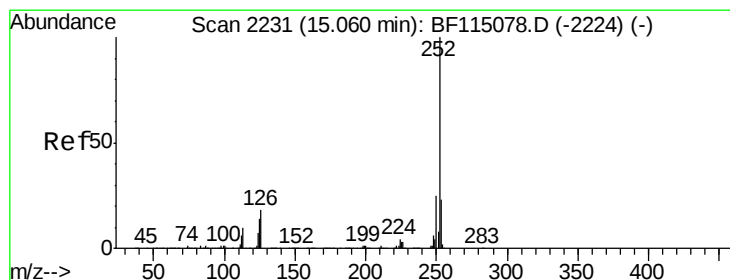
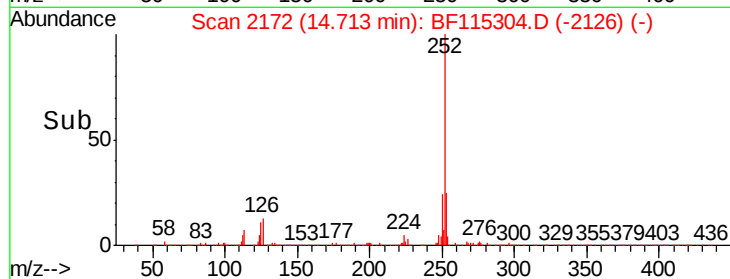
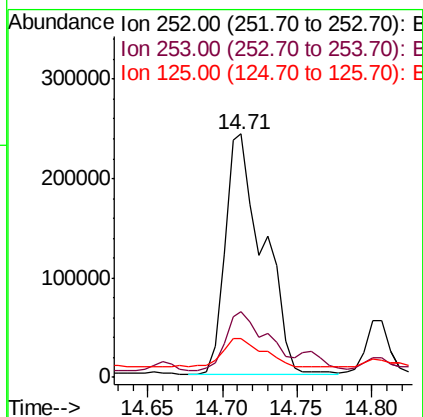
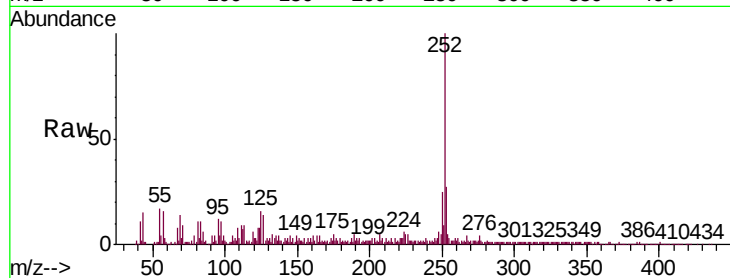




#89
Benzo(k)fluoranthene
Concen: 11.095 ng
RT: 14.71 min Scan# 2172
Delta R.T. -0.03 min
Lab File: BF115304.D
Acq: 29 Jun 2019 1:28

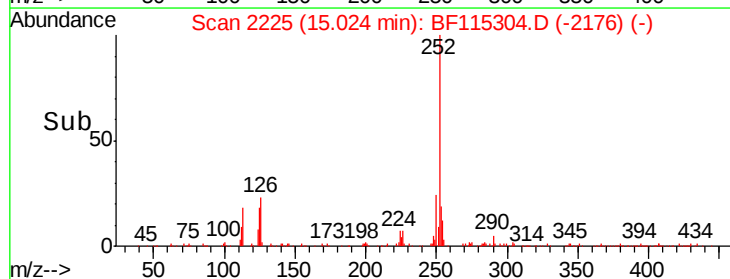
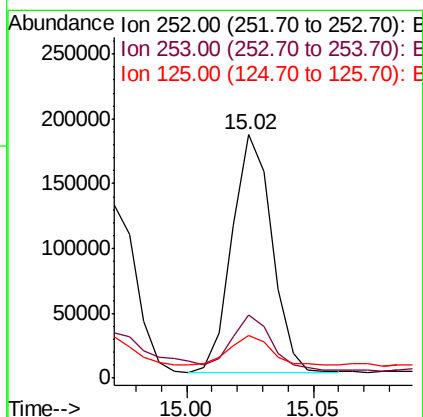
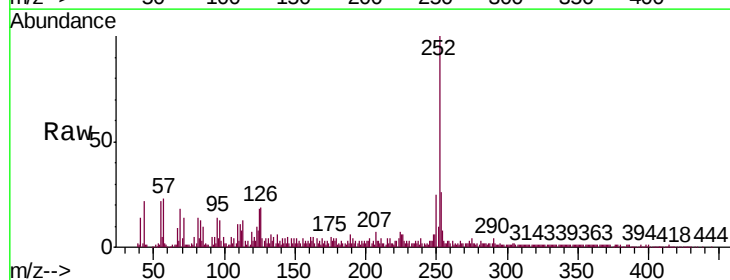
Instrument :
BNA_F
ClientSampleId :
SU-01-062719-A

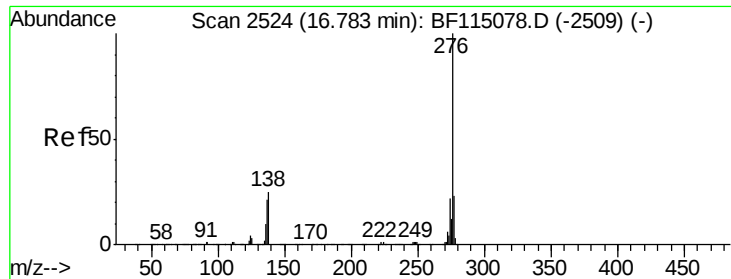
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.9	28.3
125	15.8	10.2	15.2



#90
Benzo(a)pyrene
Concen: 5.139 ng
RT: 15.02 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF115304.D
Acq: 29 Jun 2019 1:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.3	27.5
125	17.8	10.9	16.3





#92

Benzo(g,h,i)perylene

Concen: 2.606 ng

RT: 16.72 min Scan# 2514

Delta R.T. -0.01 min

Lab File: BF115304.D

Acq: 29 Jun 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SU-01-062719-A

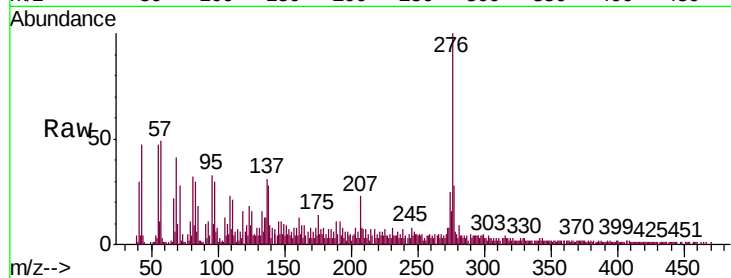
Tgt Ion: 276 Resp: 96216

Ion Ratio Lower Upper

276 100

277 28.2 18.6 28.0#

138 28.0 19.8 29.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

