

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062919\
 Data File : BF115326.D
 Acq On : 29 Jun 2019 16:40
 Operator : HP/JU
 Sample : K3160-11 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-062819-C

Quant Time: Jun 30 01:45:58 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	258665	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	1023863	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	523610	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	1058378	20.00	ng	0.00
76) Chrysene-d12	13.72	240	708364	20.00	ng	0.00
87) Perylene-d12	15.10	264	475470	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	570956	34.06	ng	0.00
7) Phenol-d6	6.24	99	735300	36.14	ng	0.00
23) Nitrobenzene-d5	7.15	82	420840	25.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.41	330	221726	40.16	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	893443	28.98	ng	0.00
79) Terphenyl-d14	12.68	244	1019576	30.60	ng	0.00

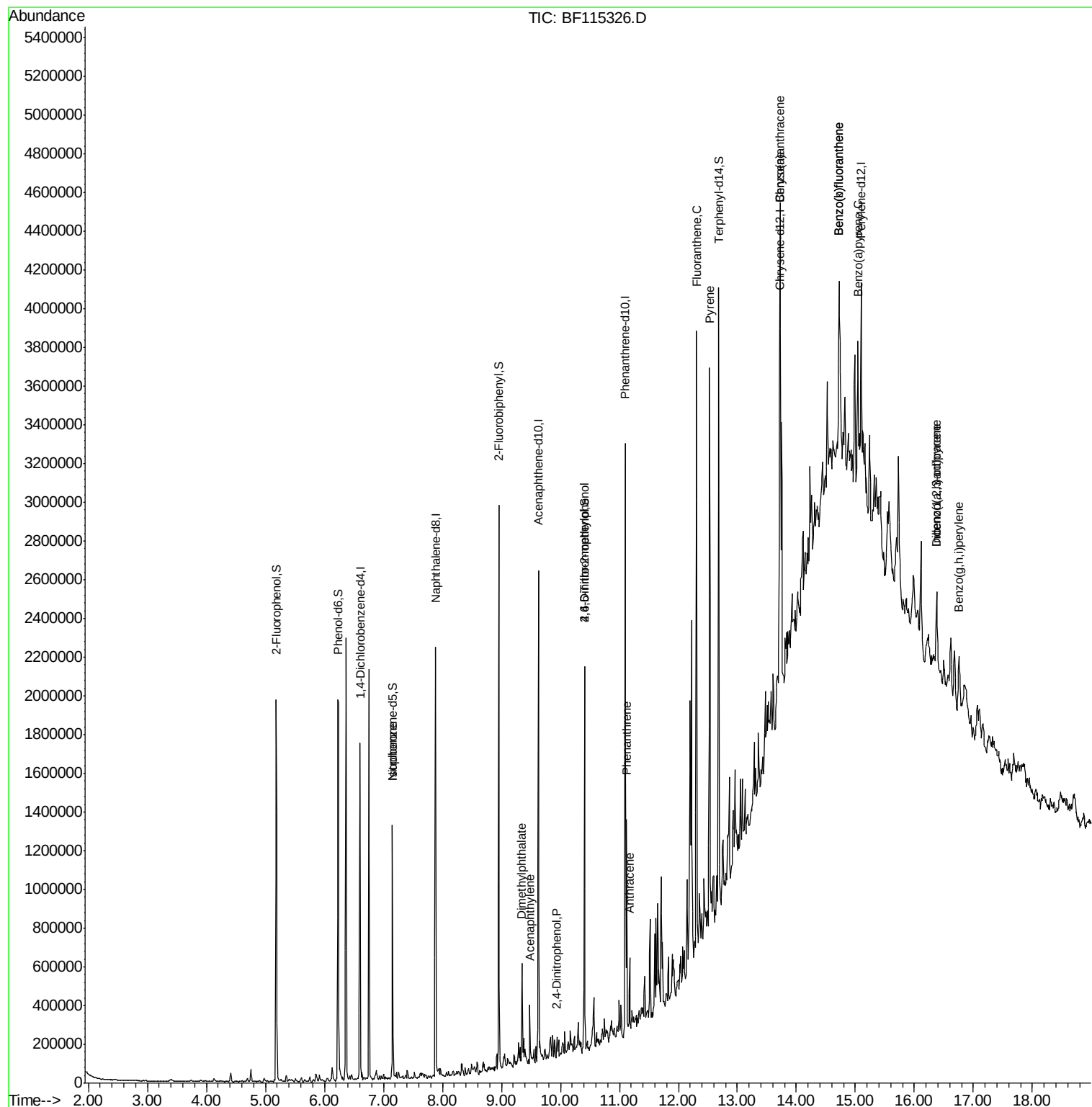
Target Compounds				Qvalue		
25) Isophorone	7.15	82	412623	12.102	ng	# 63
49) Acenaphthylene	9.48	152	112081	2.117	ng	98
50) Dimethylphthalate	9.35	163	172224	4.471	ng	99
54) 2,4-Dinitrophenol	9.92	184	632	7.469	ng	# 23
58) Fluorene	10.17	166	31943	Below Cal		# 91
61) 4-Chlorophenyl-phenylether	10.18	204	109	Below Cal		# 1
65) 4,6-Dinitro-2-methylphenol	10.41	198	602	5.056	ng	# 1
71) Phenanthrene	11.12	178	394436	6.922	ng	97
72) Anthracene	11.17	178	125920	2.189	ng	98
75) Fluoranthene	12.31	202	1150112	20.229	ng	98
78) Pyrene	12.53	202	1202884	22.096	ng	99
81) Benzo(a)anthracene	13.71	228	639992	12.591	ng	93
83) Chrysene	13.71	228	639992	13.746	ng	97
86) Indeno(1,2,3-cd)pyrene	16.38	276	234029	4.248	ng	95
88) Benzo(b)fluoranthene	14.72	252	736428	24.822	ng	# 89
89) Benzo(k)fluoranthene	14.72	252	736428	27.679	ng	# 92
90) Benzo(a)pyrene	15.04	252	367293	13.736	ng	# 93
91) Dibenzo(a,h)anthracene	16.38	278	62425	2.501	ng	# 60
92) Benzo(g,h,i)perylene	16.76	276	223710	8.854	ng	94

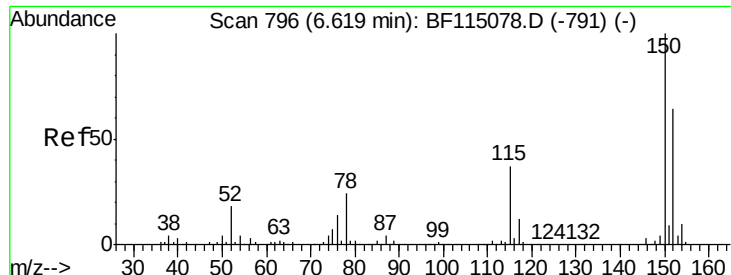
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062919\
Data File : BF115326.D
Acq On : 29 Jun 2019 16:40
Operator : HP/JU
Sample : K3160-11 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-062819-C

Quant Time: Jun 30 01:45:58 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



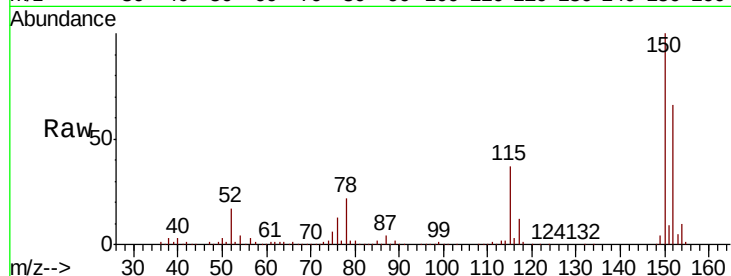


#1

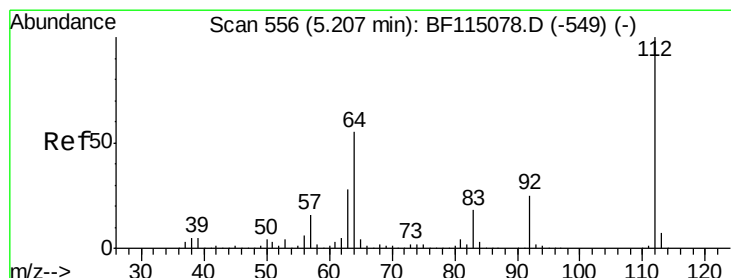
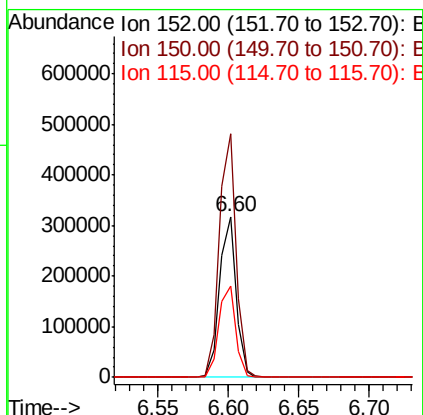
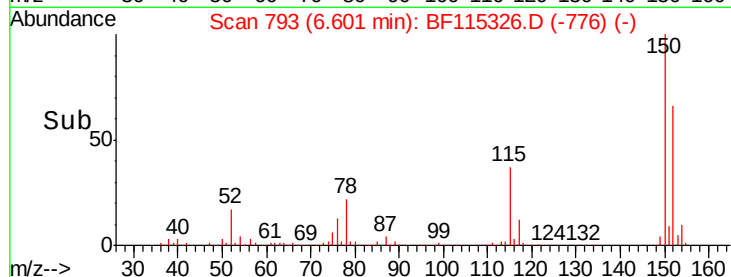
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF115326.D
Acq: 29 Jun 2019 16:40

Instrument :
BNA_F
ClientSampleId :
EO-01-062819-C

Tgt Ion:152 Resp: 258665
Ion Ratio Lower Upper
152 100
150 151.8 124.2 186.2
115 56.9 46.1 69.1



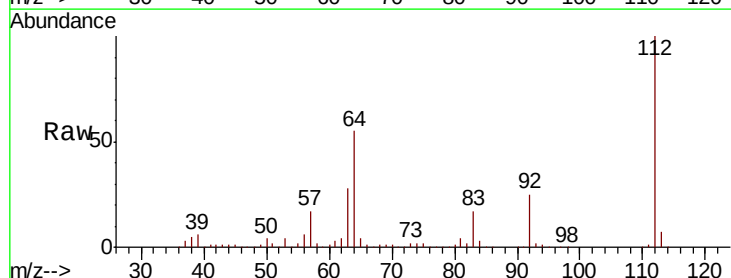
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



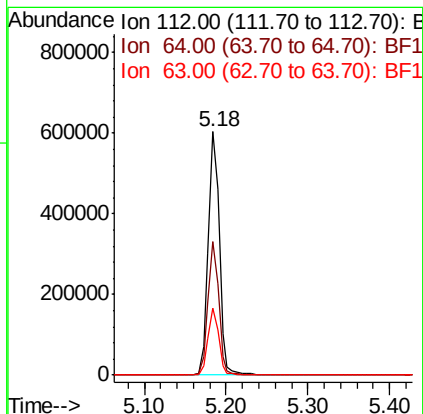
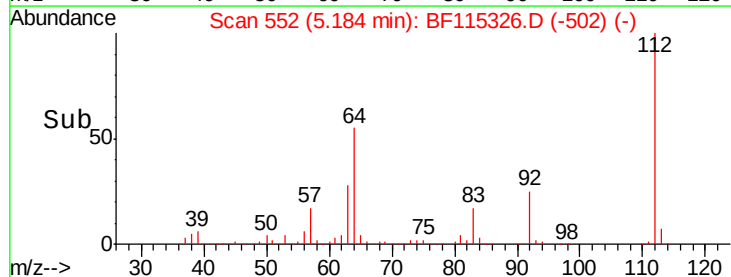
#5

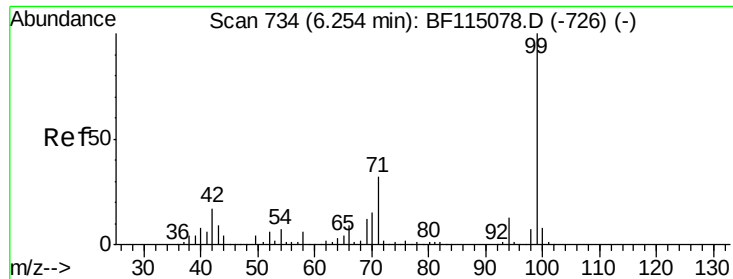
2-Fluorophenol
Concen: 34.063 ng
RT: 5.18 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF115326.D
Acq: 29 Jun 2019 16:40

Tgt Ion:112 Resp: 570956
Ion Ratio Lower Upper
112 100
64 54.8 43.8 65.6
63 27.7 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: 36.142 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-C

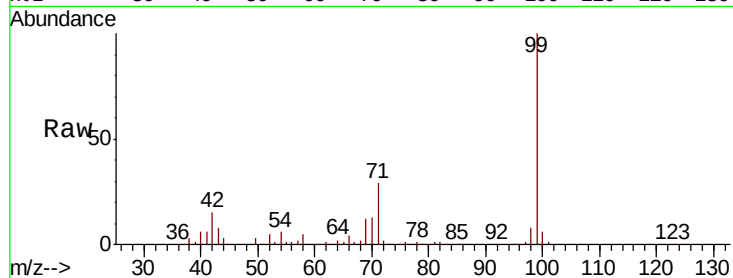
Tgt Ion: 99 Resp: 735300

Ion Ratio Lower Upper

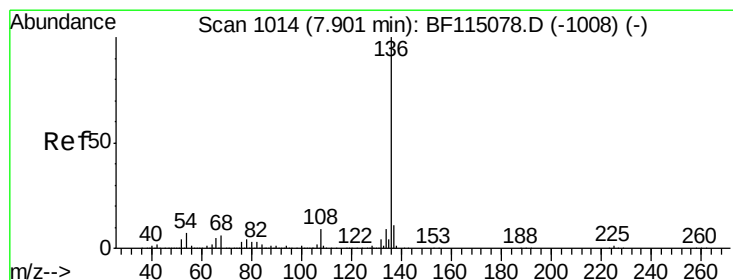
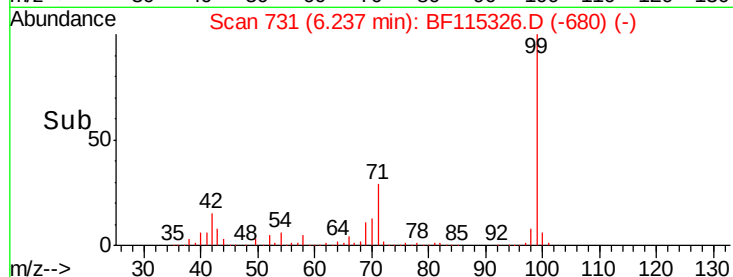
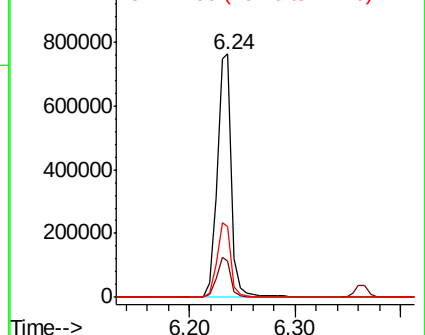
99 100

42 14.9 13.6 20.4

71 29.1 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

Tgt Ion: 136 Resp: 1023863

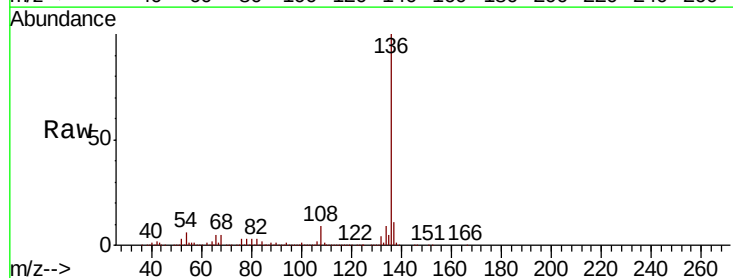
Ion Ratio Lower Upper

136 100

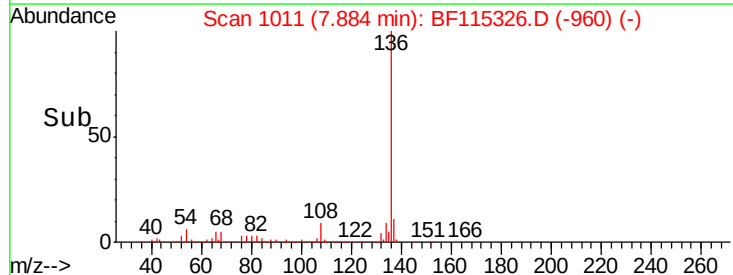
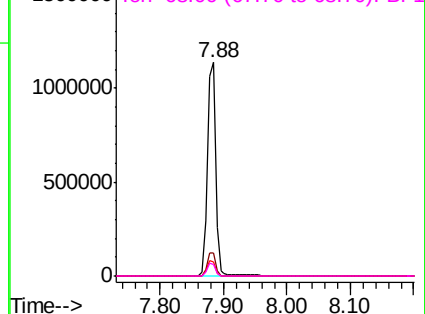
137 10.9 8.9 13.3

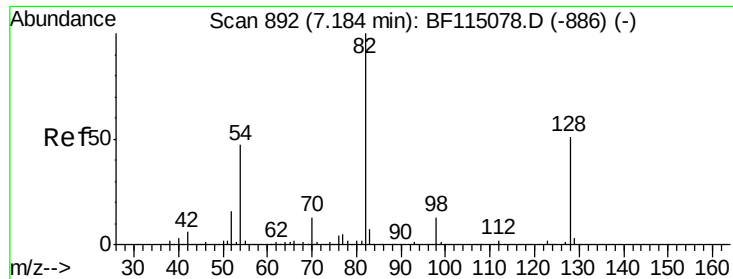
54 6.4 5.6 8.4

68 5.5 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

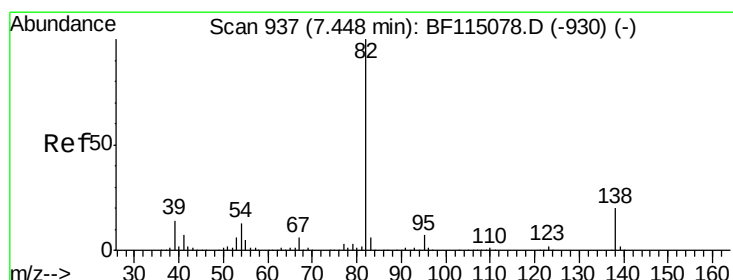
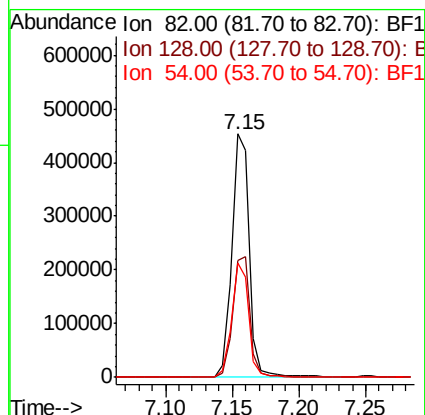
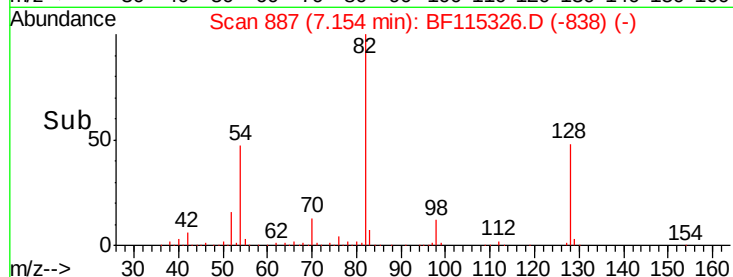
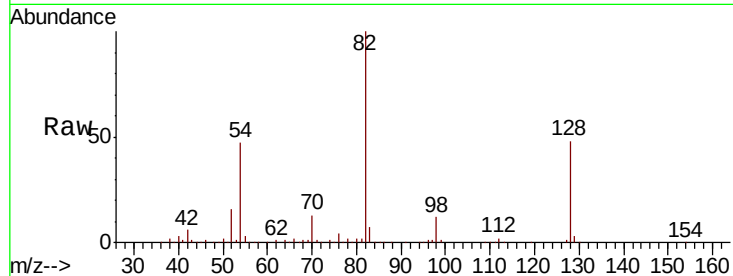




#23
Nitrobenzene-d5
Concen: 25.285 ng
RT: 7.15 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF115326.D
Acq: 29 Jun 2019 16:40

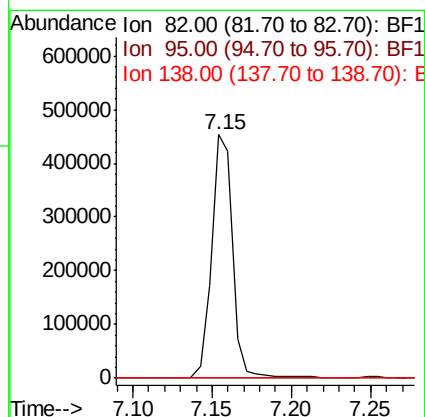
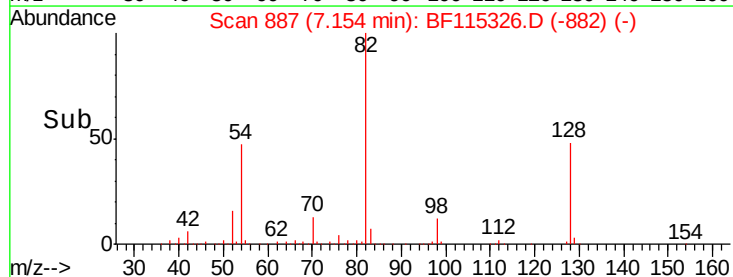
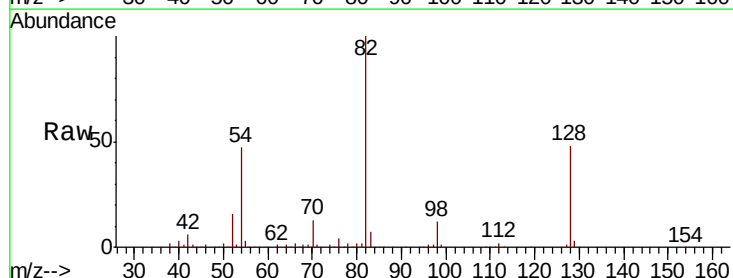
Instrument :
BNA_F
ClientSampleId :
EO-01-062819-C

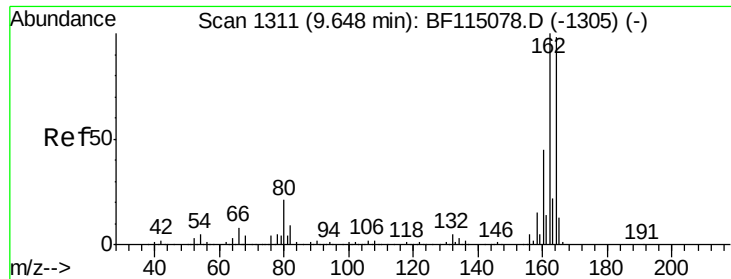
Tgt Ion: 82 Resp: 420840
Ion Ratio Lower Upper
82 100
128 48.2 40.4 60.6
54 47.2 37.5 56.3



#25
Isophorone
Concen: 12.102 ng
RT: 7.15 min Scan# 887
Delta R.T. -0.27 min
Lab File: BF115326.D
Acq: 29 Jun 2019 16:40

Tgt Ion: 82 Resp: 412623
Ion Ratio Lower Upper
82 100
95 0.3 5.4 8.2#
138 0.0 15.9 23.9#

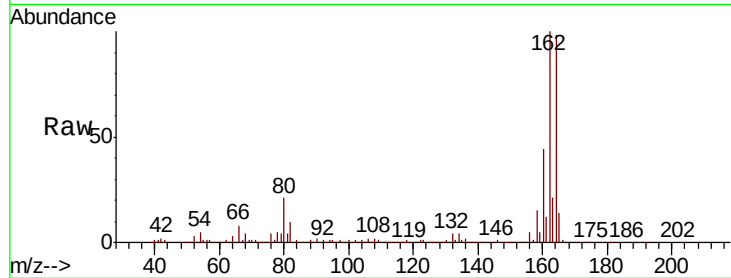




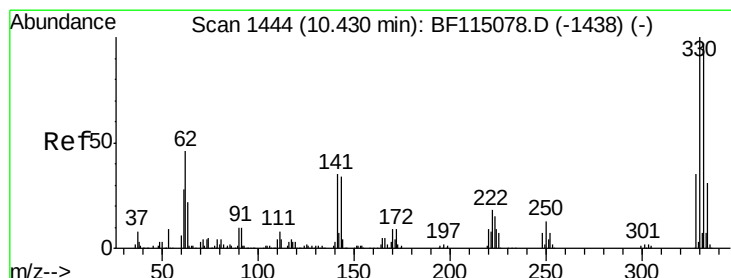
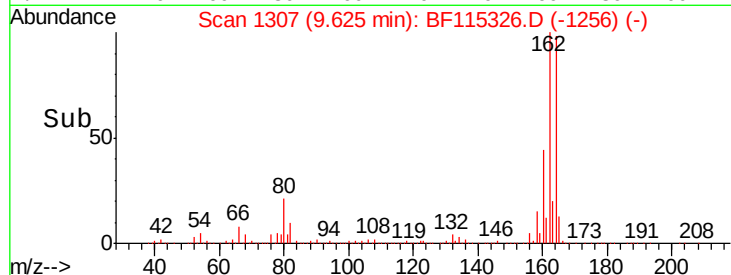
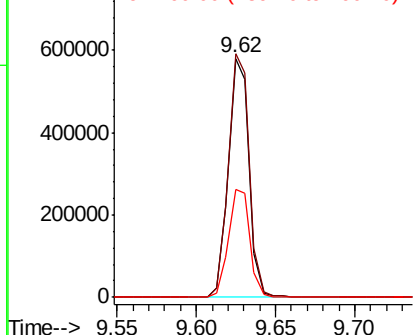
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF115326.D
Acq: 29 Jun 2019 16:40

Instrument :
BNA_F
ClientSampleId :
EO-01-062819-C

Tgt Ion:164 Resp: 523610
Ion Ratio Lower Upper
164 100
162 101.9 81.7 122.5
160 45.1 37.0 55.4

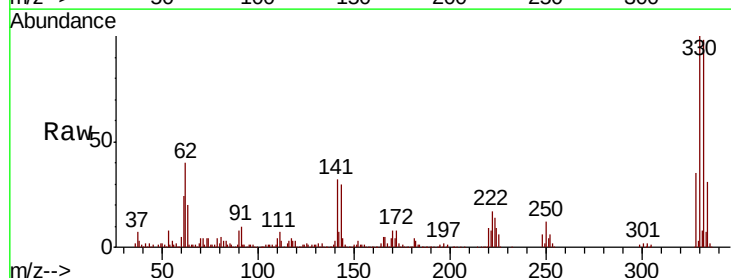


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

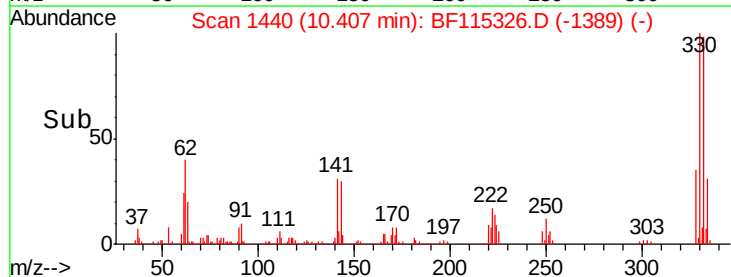
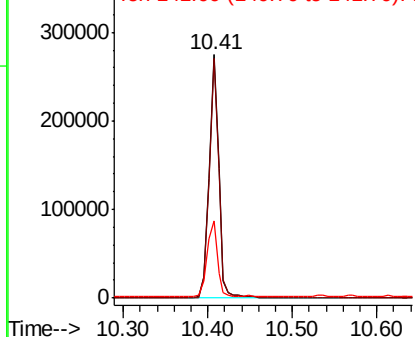


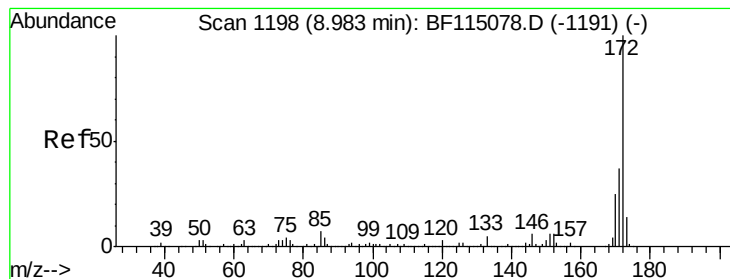
#42
2,4,6-Tribromophenol
Concen: 40.156 ng
RT: 10.41 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF115326.D
Acq: 29 Jun 2019 16:40

Tgt Ion:330 Resp: 221726
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 32.8 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: 28.984 ng

RT: 8.95 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-C

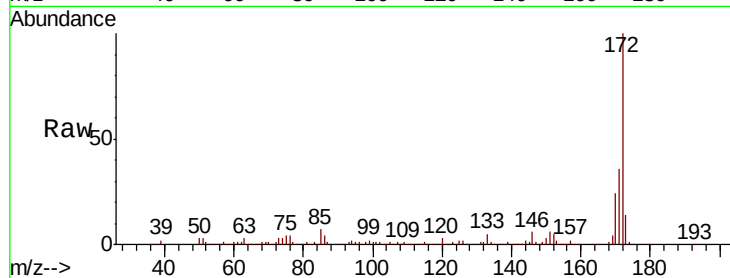
Tgt Ion:172 Resp: 893443

Ion Ratio Lower Upper

172 100

171 35.8 29.8 44.6

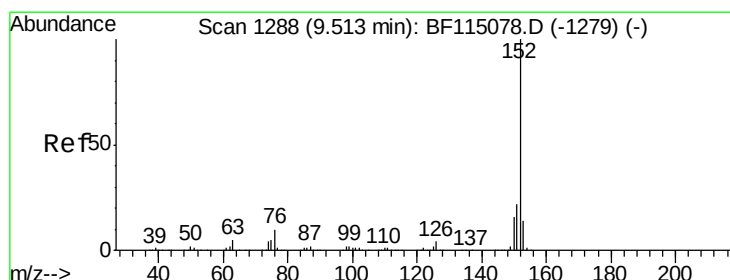
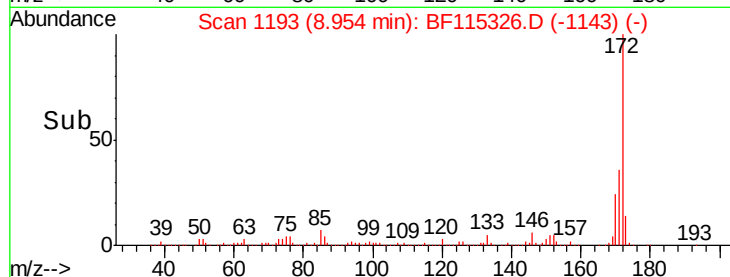
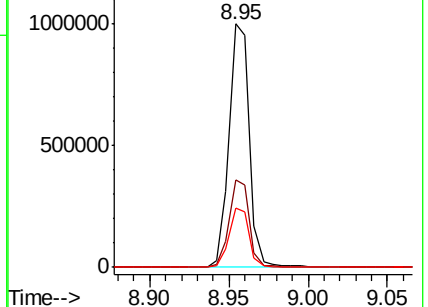
170 24.2 20.3 30.5



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



#49

Acenaphthylene

Concen: 2.117 ng

RT: 9.48 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

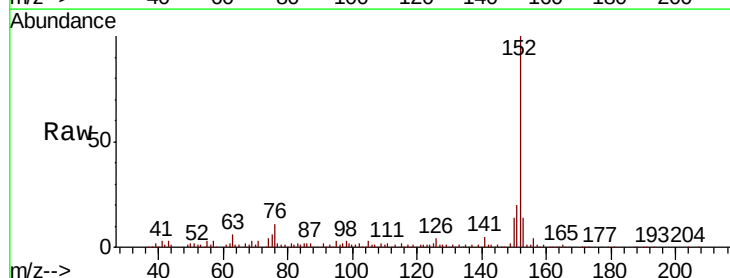
Tgt Ion:152 Resp: 112081

Ion Ratio Lower Upper

152 100

151 20.2 17.2 25.8

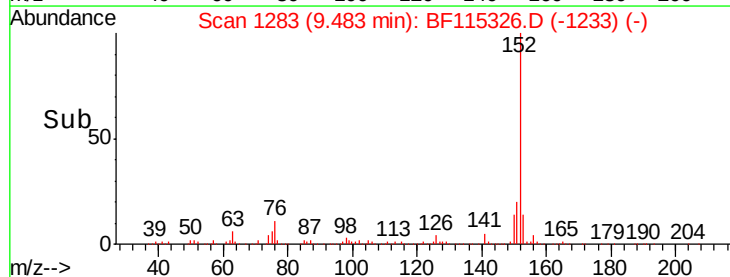
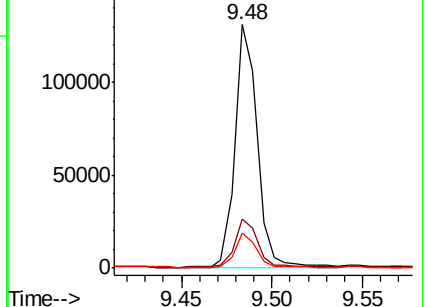
153 14.3 11.0 16.6

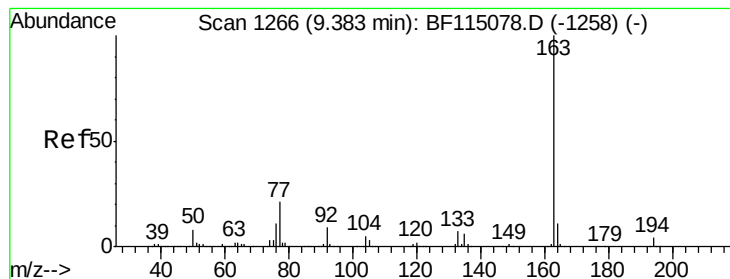


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 4.471 ng

RT: 9.35 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-C

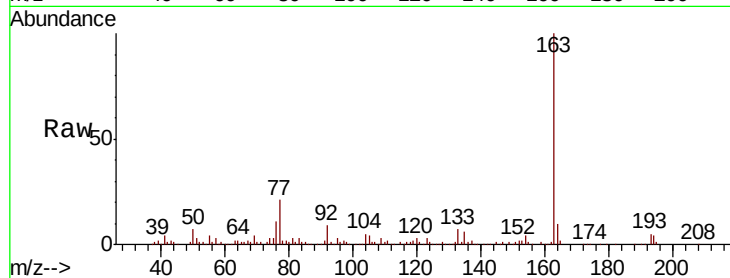
Tgt Ion:163 Resp: 172224

Ion Ratio Lower Upper

163 100

194 4.4 3.2 4.8

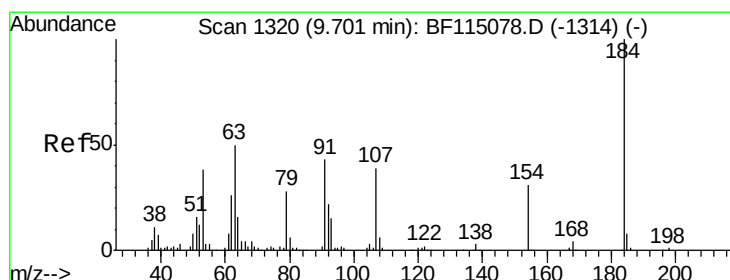
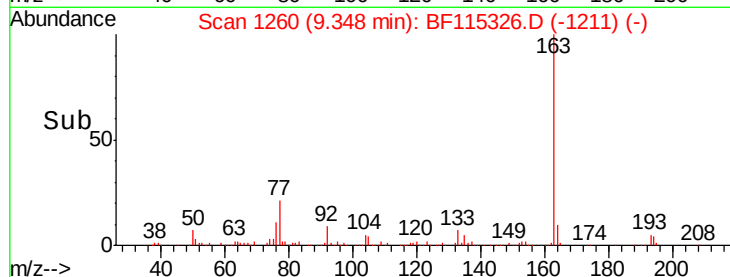
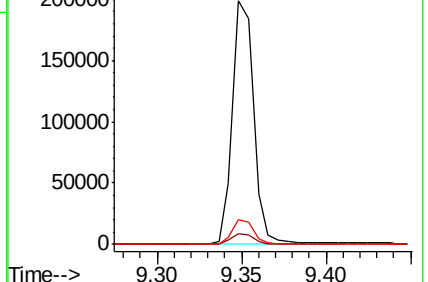
164 10.4 8.6 13.0



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: 7.469 ng

RT: 9.92 min Scan# 1358

Delta R.T. 0.24 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

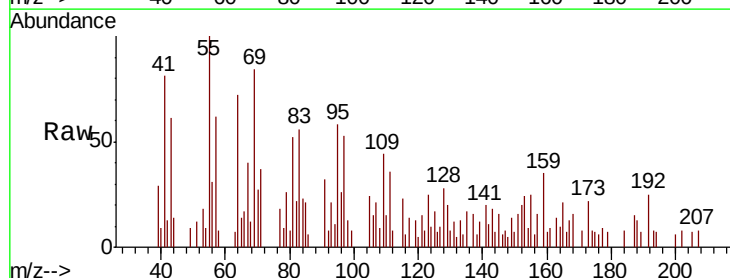
Tgt Ion:184 Resp: 632

Ion Ratio Lower Upper

184 100

63 93.1 41.9 62.9#

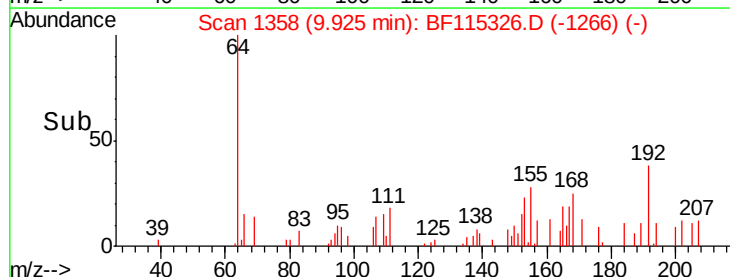
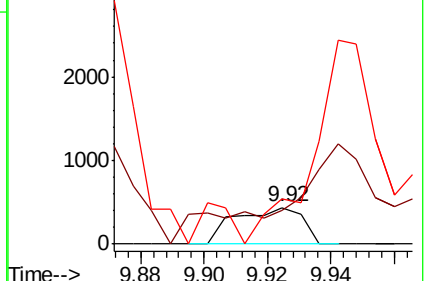
154 125.1 44.7 67.1#

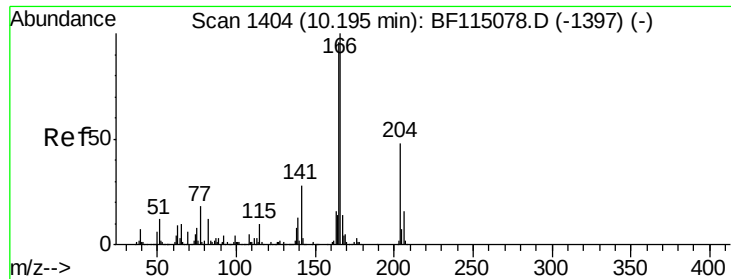


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: Below Cal

RT: 10.17 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-C

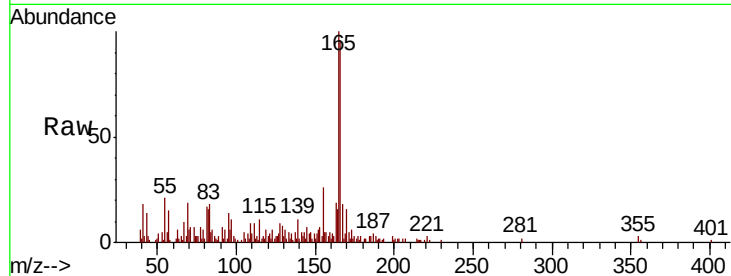
Tgt Ion:166 Resp: 31943

Ion Ratio Lower Upper

166 100

165 103.8 76.5 114.7

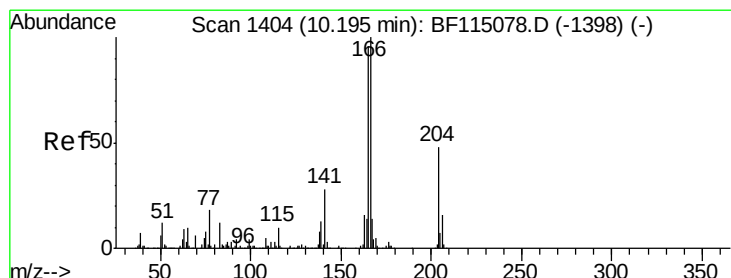
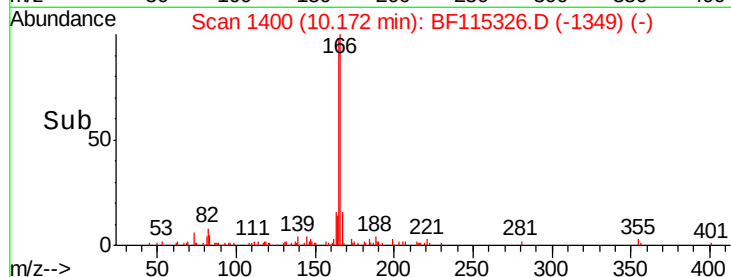
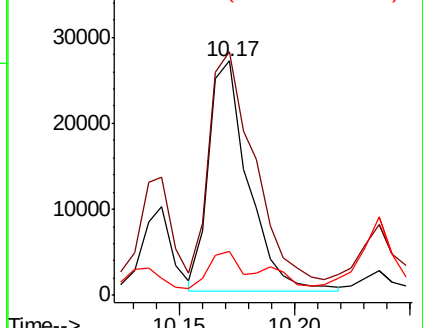
167 18.5 11.0 16.4#



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: 10.18 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

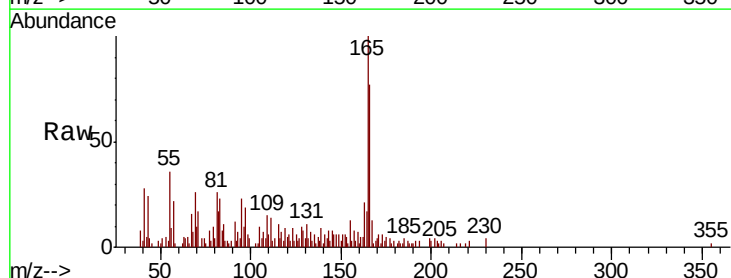
Tgt Ion:204 Resp: 109

Ion Ratio Lower Upper

204 100

206 0.0 26.6 40.0#

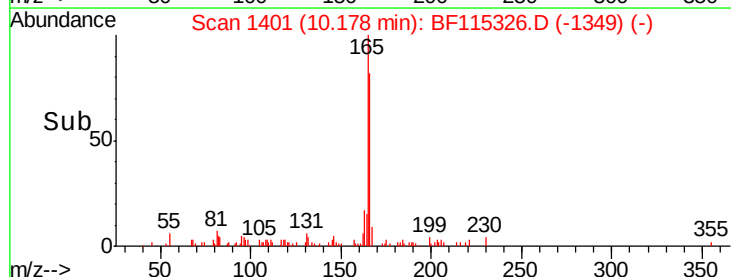
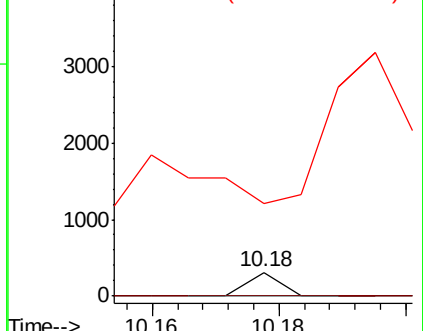
141 392.2 46.7 70.1#

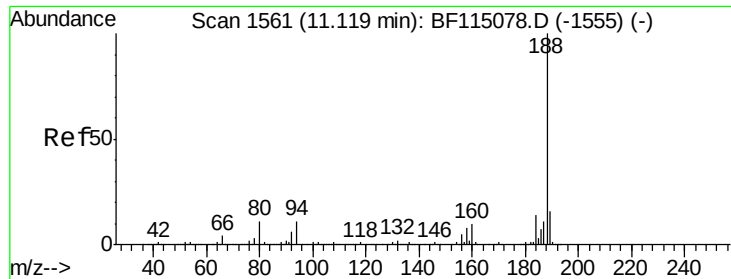


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.10 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-C

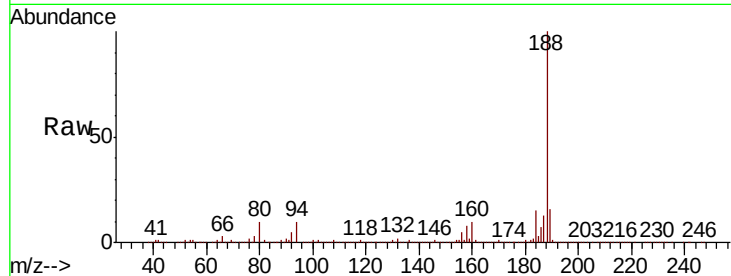
Tgt Ion:188 Resp: 1058378

Ion Ratio Lower Upper

188 100

94 9.9 8.6 12.8

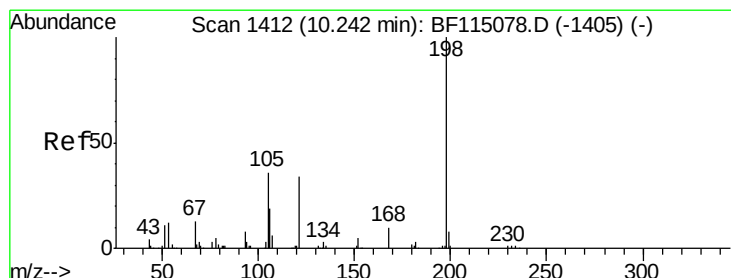
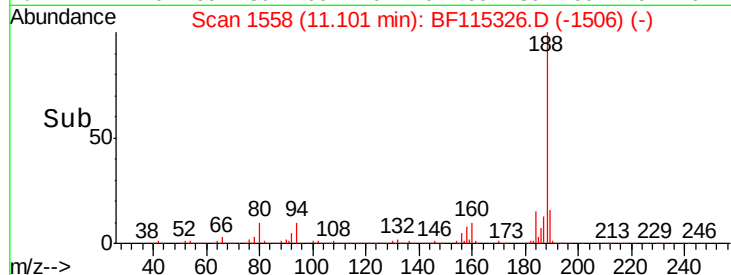
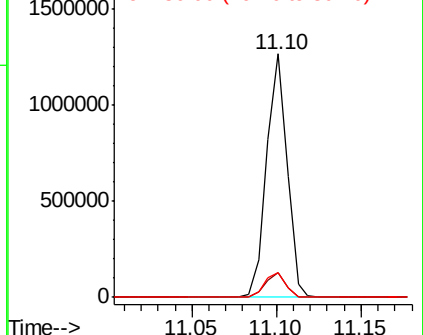
80 10.0 8.8 13.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 5.056 ng

RT: 10.41 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

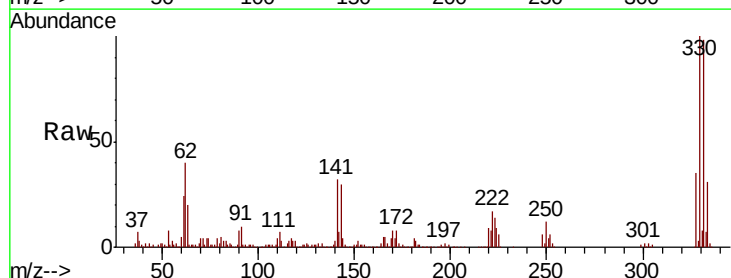
Tgt Ion:198 Resp: 602

Ion Ratio Lower Upper

198 100

51 296.2 11.0 51.0#

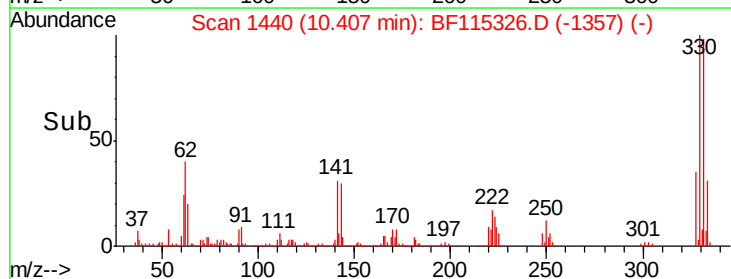
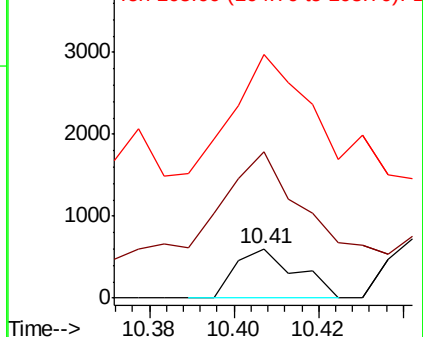
105 494.7 17.3 57.3#

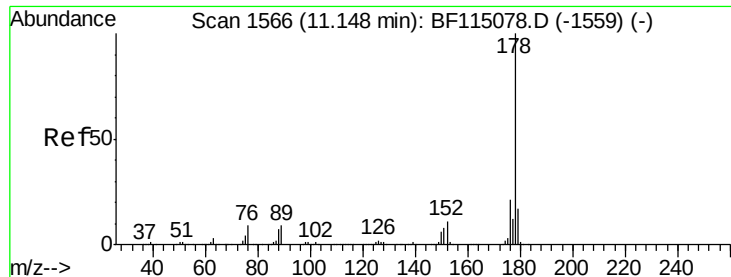


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

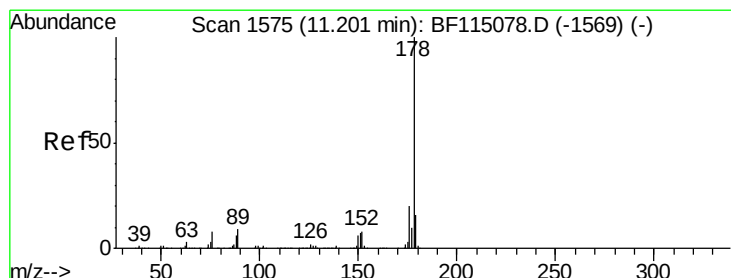
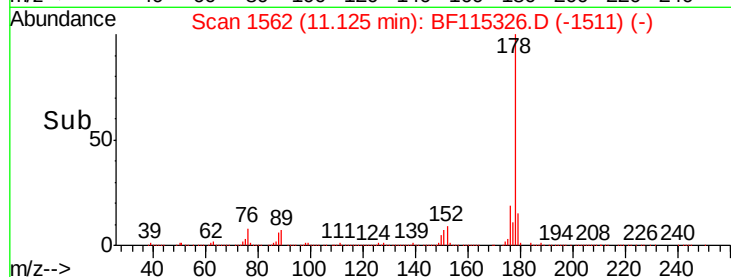
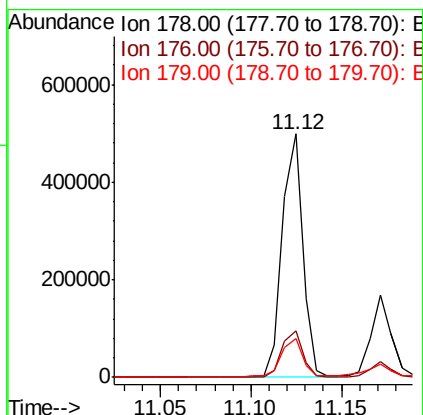
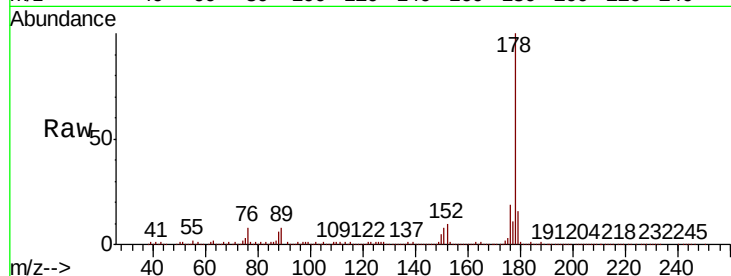




#71
Phenanthrene
Concen: 6.922 ng
RT: 11.12 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF115326.D
Acq: 29 Jun 2019 16:40

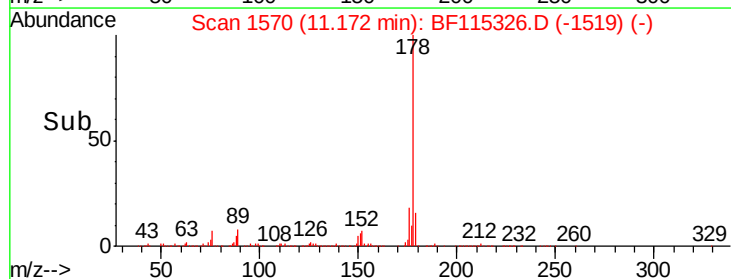
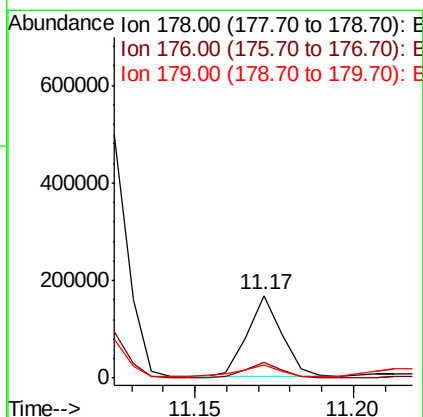
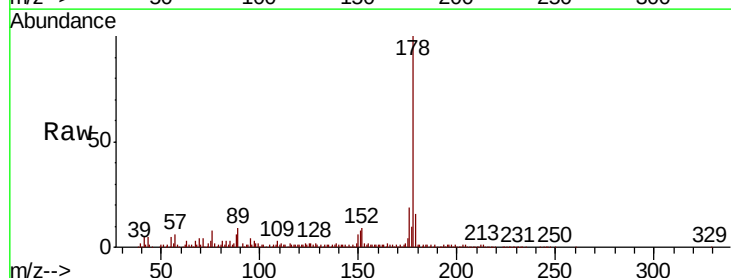
Instrument :
BNA_F
ClientSampleId :
EO-01-062819-C

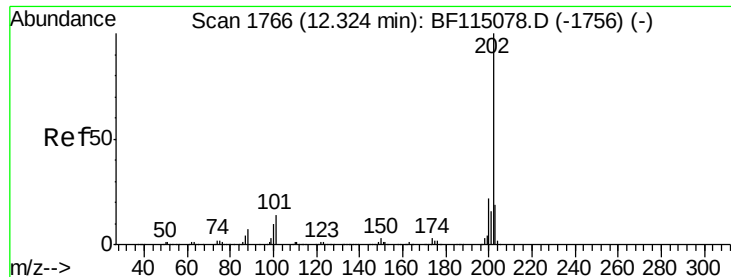
Tgt Ion:178 Resp: 394436
Ion Ratio Lower Upper
178 100
176 19.1 16.9 25.3
179 15.9 13.2 19.8



#72
Anthracene
Concen: 2.189 ng
RT: 11.17 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF115326.D
Acq: 29 Jun 2019 16:40

Tgt Ion:178 Resp: 125920
Ion Ratio Lower Upper
178 100
176 18.8 16.1 24.1
179 16.4 12.9 19.3





#75

Fluoranthene

Concen: 20.229 ng

RT: 12.31 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-C

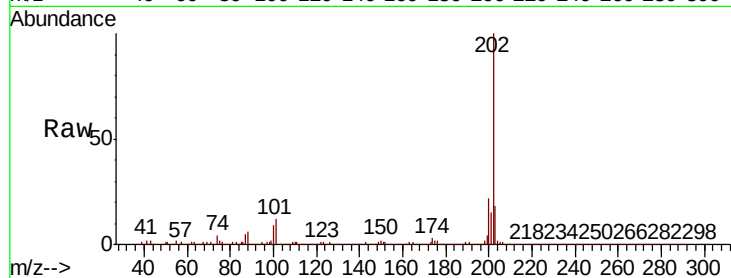
Tgt Ion:202 Resp: 1150112

Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.0

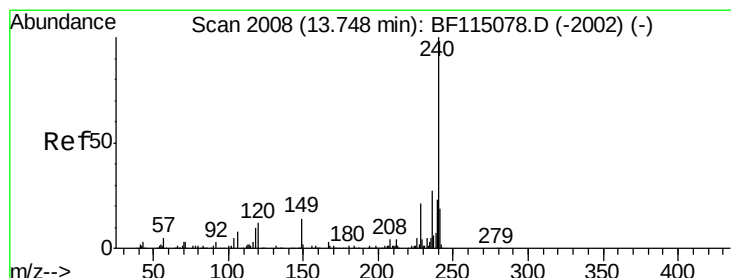
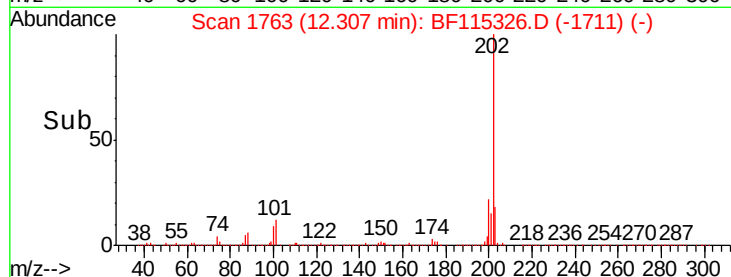
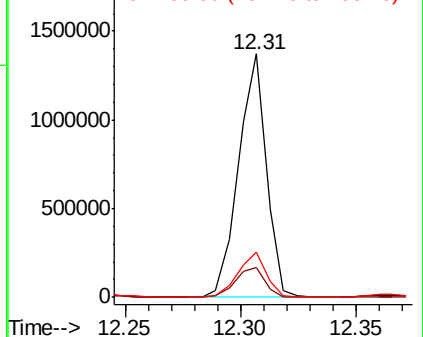
203 18.4 0.0 38.8



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# 2004

Delta R.T. 0.01 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

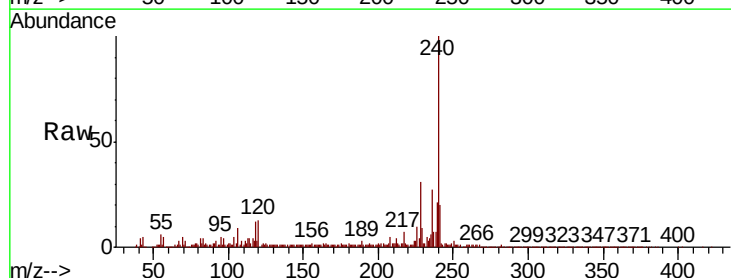
Tgt Ion:240 Resp: 708364

Ion Ratio Lower Upper

240 100

120 13.3 9.4 14.2

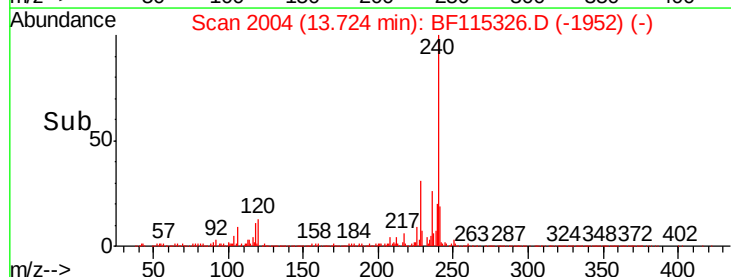
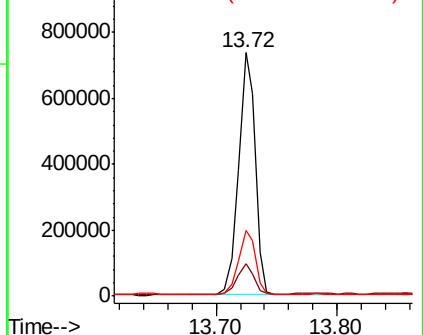
236 27.2 21.7 32.5

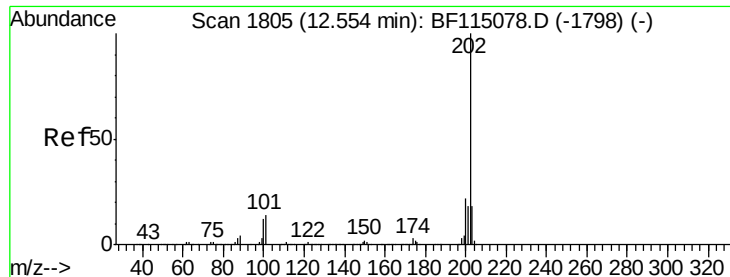


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

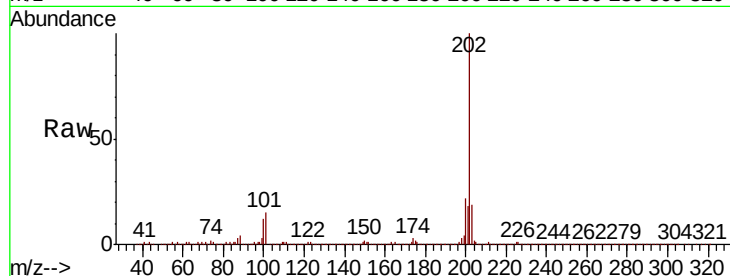




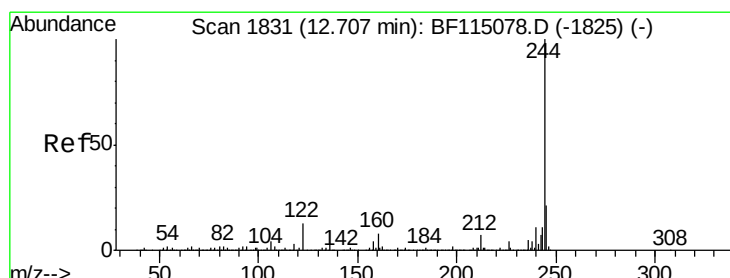
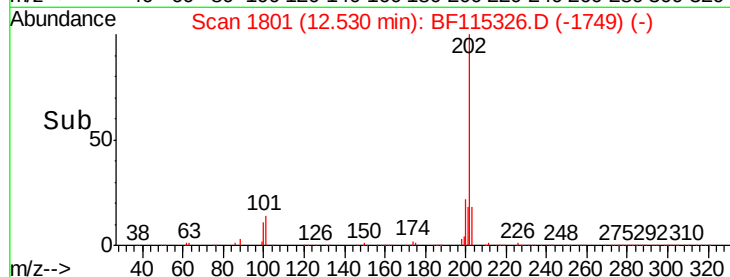
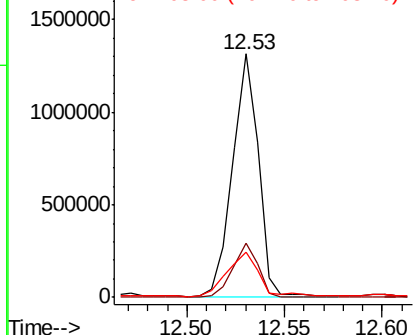
#78
Pyrene
Concen: 22.096 ng
RT: 12.53 min Scan# 1801
Delta R.T. 0.01 min
Lab File: BF115326.D
Acq: 29 Jun 2019 16:40

Instrument :
BNA_F
ClientSampleId :
EO-01-062819-C

Tgt Ion:202 Resp: 1202884
Ion Ratio Lower Upper
202 100
200 22.1 17.9 26.9
203 18.6 14.6 21.8

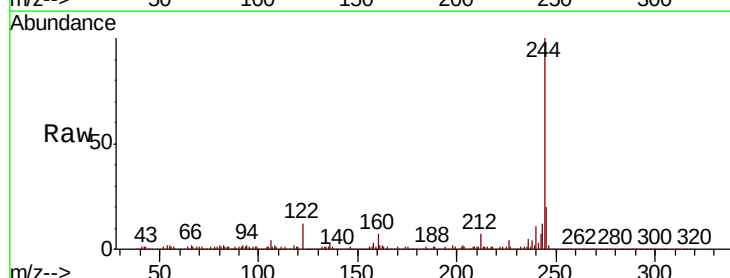


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

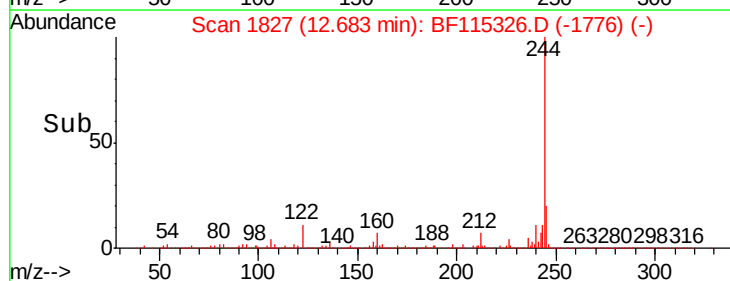
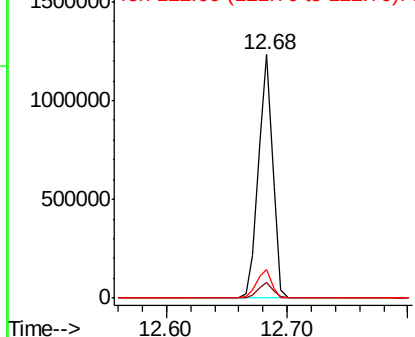


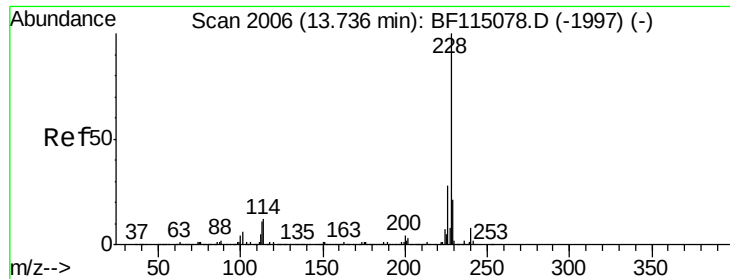
#79
Terphenyl-d14
Concen: 30.603 ng
RT: 12.68 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF115326.D
Acq: 29 Jun 2019 16:40

Tgt Ion:244 Resp: 1019576
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.6
122 11.6 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

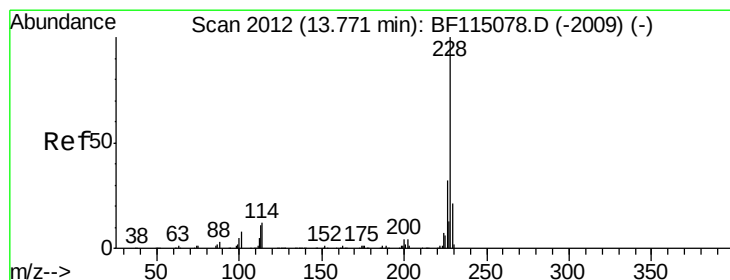
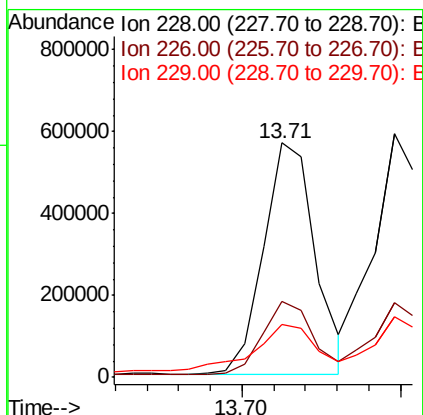
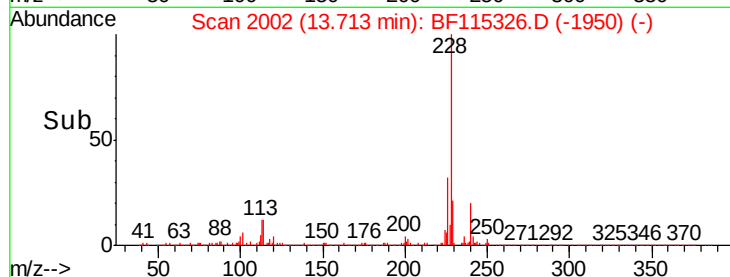
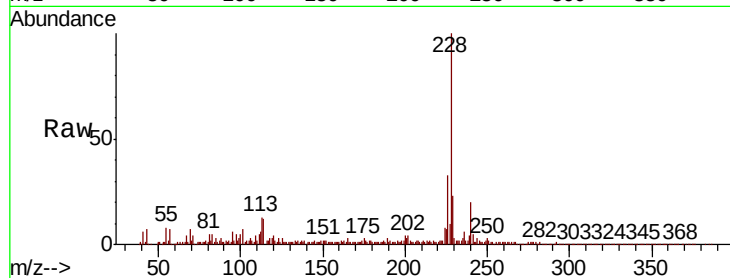




#81
Benzo(a)anthracene
Concen: 12.591 ng
RT: 13.71 min Scan# 2002
Delta R.T. 0.01 min
Lab File: BF115326.D
Acq: 29 Jun 2019 16:40

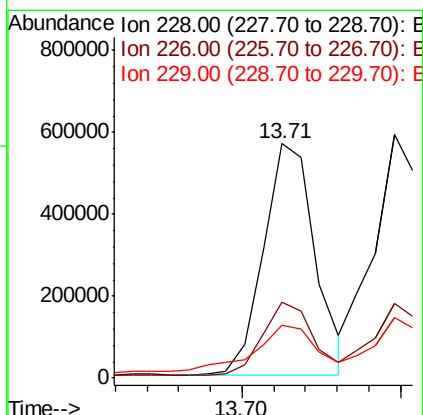
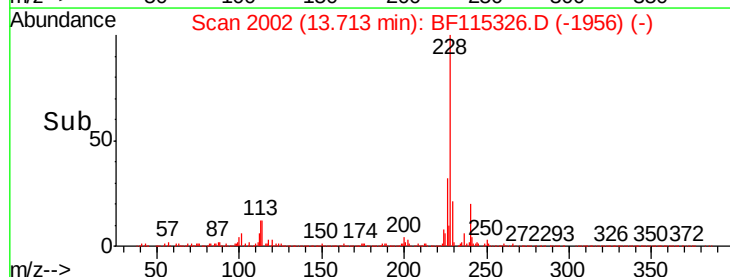
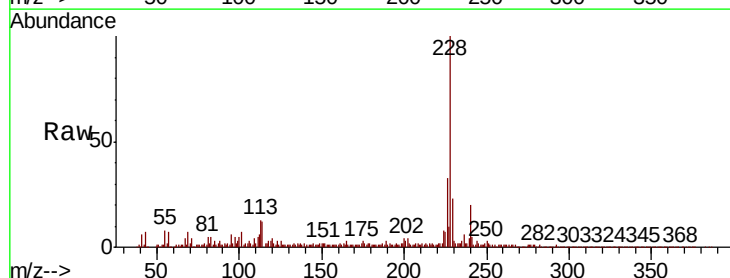
Instrument :
BNA_F
ClientSampleId :
EO-01-062819-C

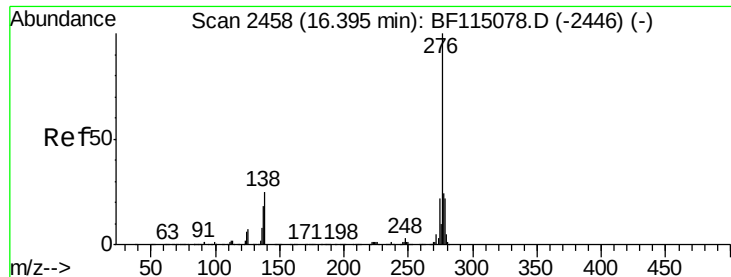
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.5	33.7
229	22.5	16.6	24.8



#83
Chrysene
Concen: 13.746 ng
RT: 13.71 min Scan# 2002
Delta R.T. -0.03 min
Lab File: BF115326.D
Acq: 29 Jun 2019 16:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	25.4	38.0
229	22.5	16.5	24.7





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.248 ng

RT: 16.38 min Scan# 2455

Delta R.T. 0.02 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-C

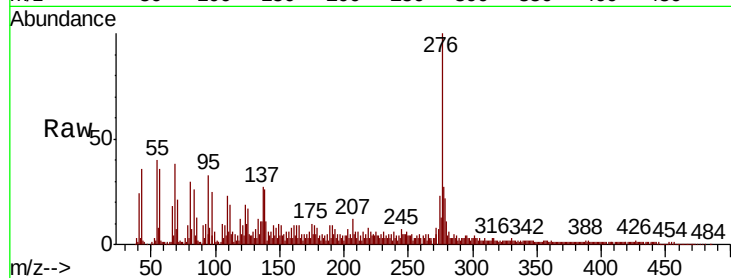
Tgt Ion:276 Resp: 234029

Ion Ratio Lower Upper

276 100

138 26.1 23.2 34.8

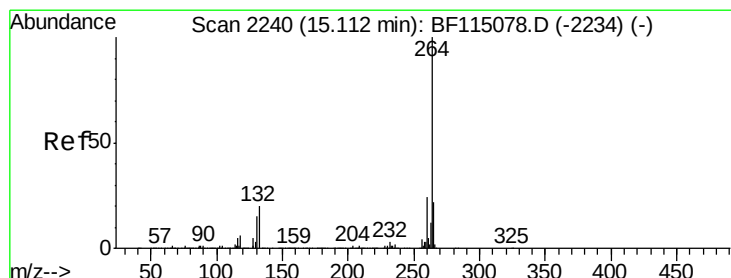
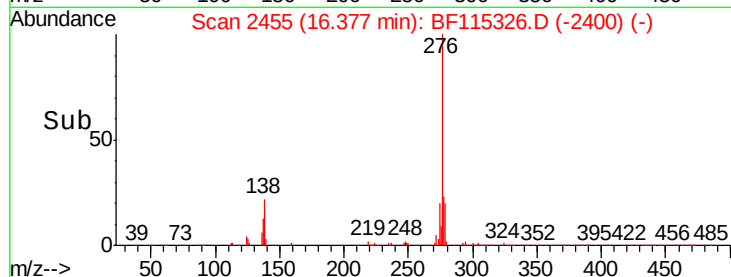
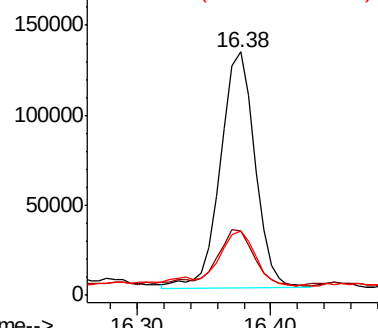
277 27.4 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.10 min Scan# 2238

Delta R.T. 0.02 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

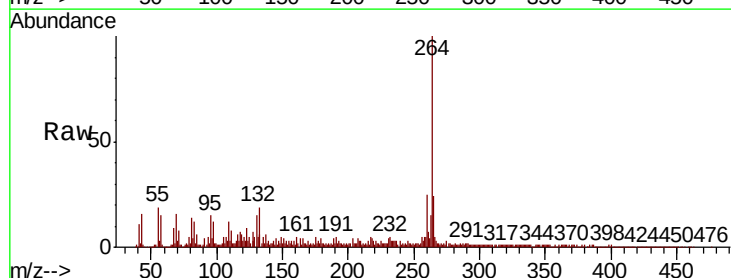
Tgt Ion:264 Resp: 475470

Ion Ratio Lower Upper

264 100

260 25.4 19.6 29.4

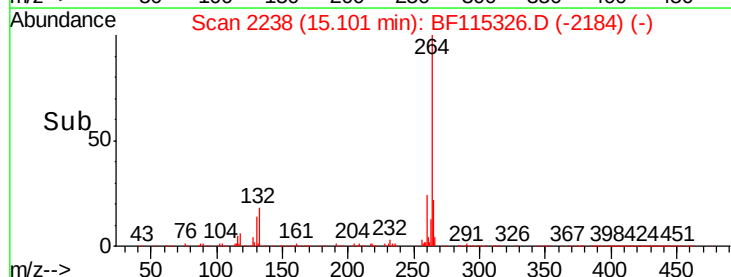
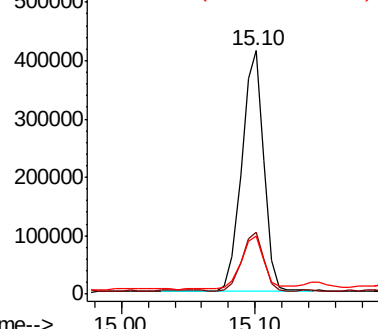
265 24.1 17.3 25.9

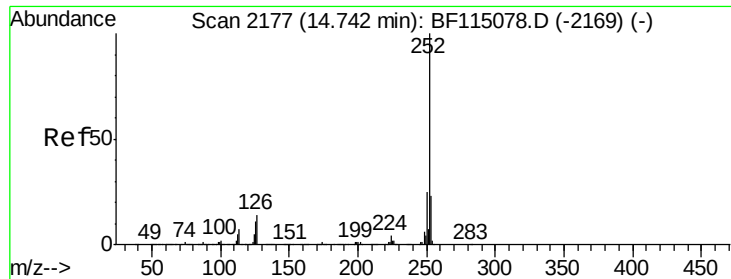


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

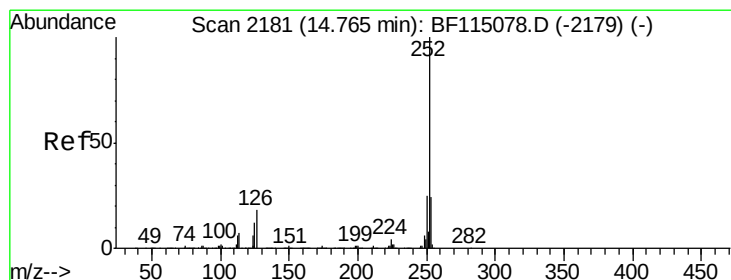
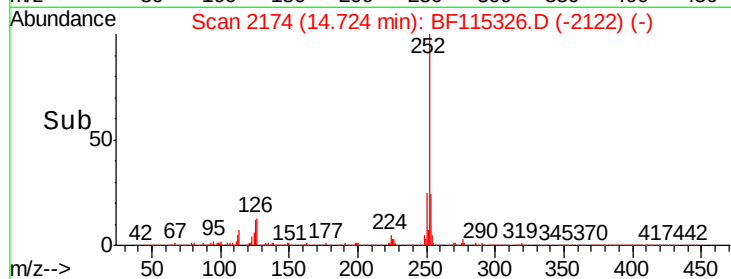
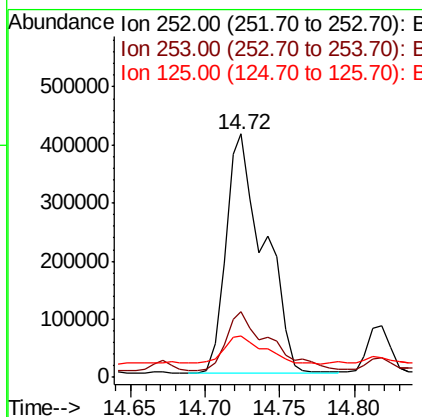
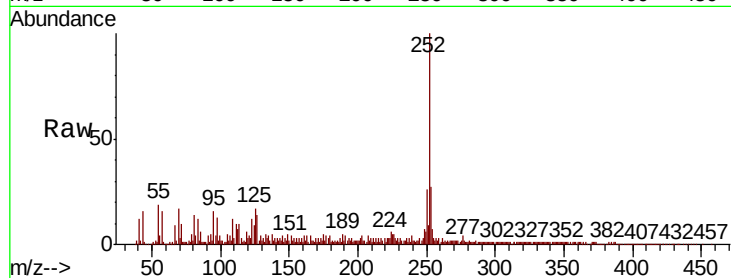




#88
Benzo(b)fluoranthene
Concen: 24.822 ng
RT: 14.72 min Scan# 2174
Delta R.T. 0.01 min
Lab File: BF115326.D
Acq: 29 Jun 2019 16:40

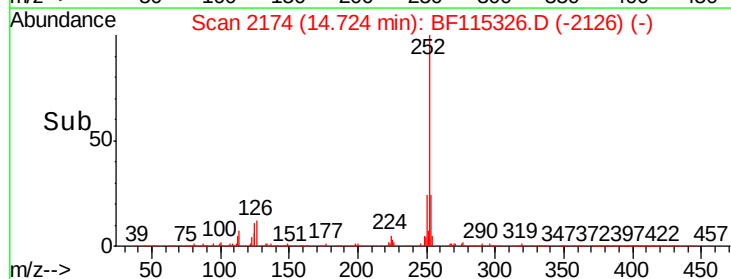
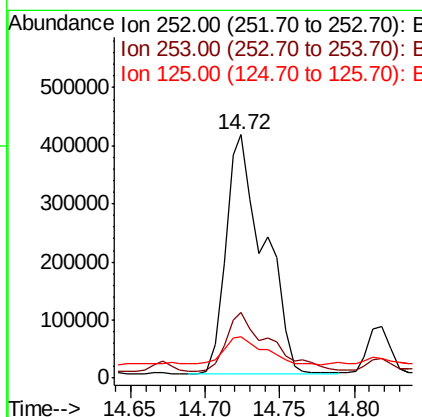
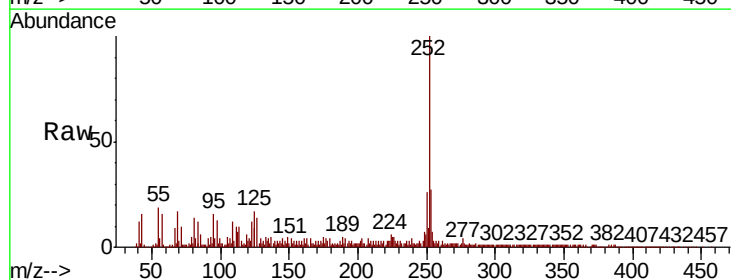
Instrument :
BNA_F
ClientSampleId :
EO-01-062819-C

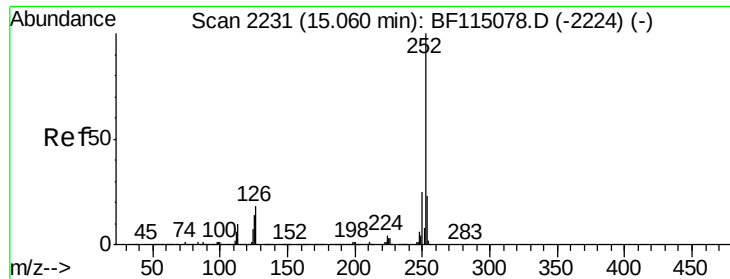
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.1	27.1
125	17.2	8.7	13.1#



#89
Benzo(k)fluoranthene
Concen: 27.679 ng
RT: 14.72 min Scan# 2174
Delta R.T. -0.02 min
Lab File: BF115326.D
Acq: 29 Jun 2019 16:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.9	28.3
125	17.2	10.2	15.2#





#90

Benzo(a)pyrene

Concen: 13.736 ng

RT: 15.04 min Scan# 2228

Delta R.T. 0.01 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-C

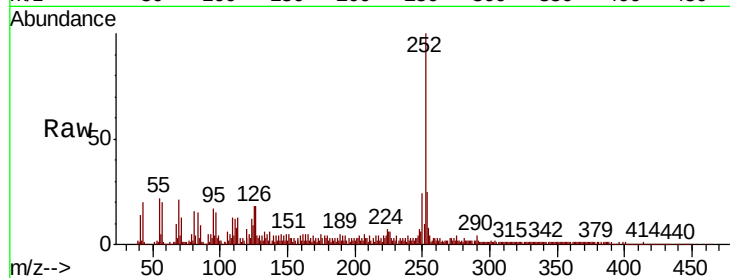
Tgt Ion:252 Resp: 367293

Ion Ratio Lower Upper

252 100

253 25.5 18.3 27.5

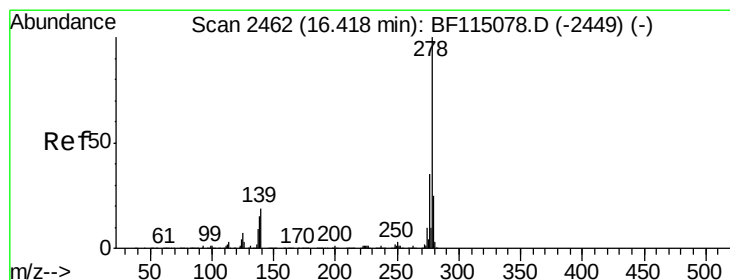
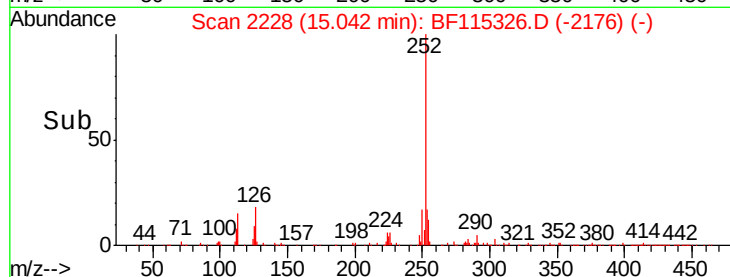
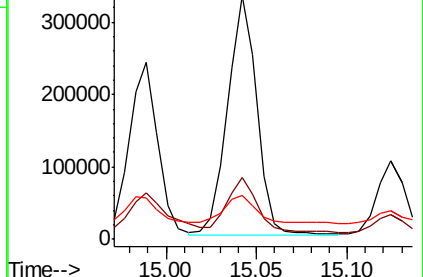
125 18.0 10.9 16.3#



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



#91

Dibenzo(a,h)anthracene

Concen: 2.501 ng

RT: 16.38 min Scan# 2456

Delta R.T. 0.01 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

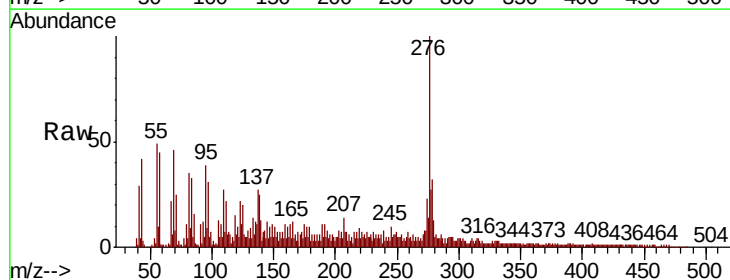
Tgt Ion:278 Resp: 62425

Ion Ratio Lower Upper

278 100

139 41.7 15.4 23.2#

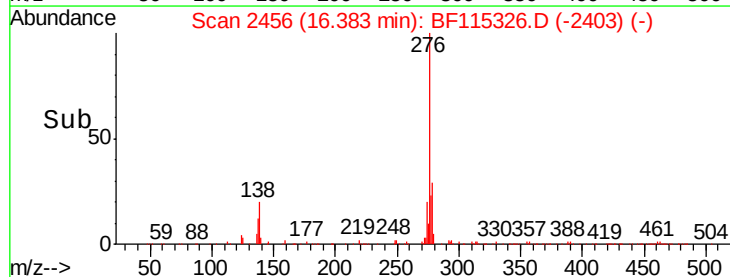
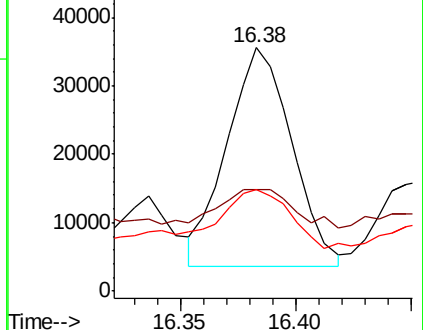
279 41.5 19.9 29.9#

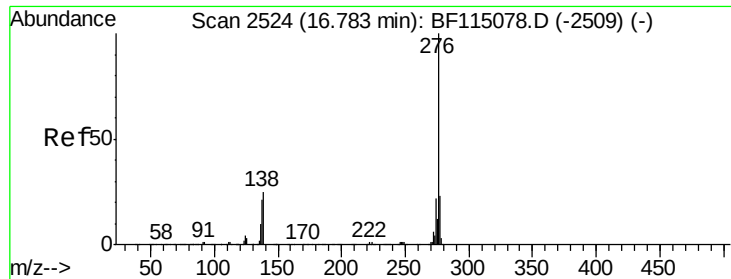


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 8.854 ng

RT: 16.76 min Scan# 2520

Delta R.T. 0.02 min

Lab File: BF115326.D

Acq: 29 Jun 2019 16:40

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-C

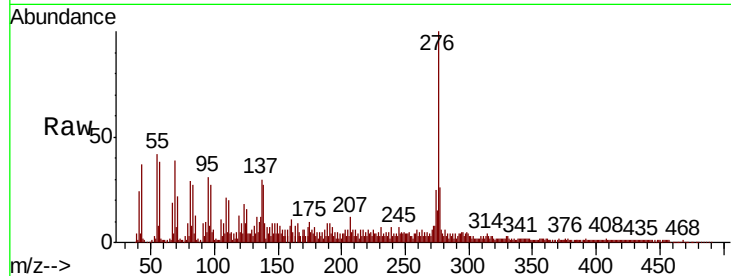
Tgt Ion: 276 Resp: 223710

Ion Ratio Lower Upper

276 100

277 26.4 18.6 28.0

138 27.3 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

