

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052019\
 Data File : BF114430.D
 Acq On : 20 May 2019 11:26
 Operator : JU/SJ
 Sample : K2644-01 5XRE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051519-A

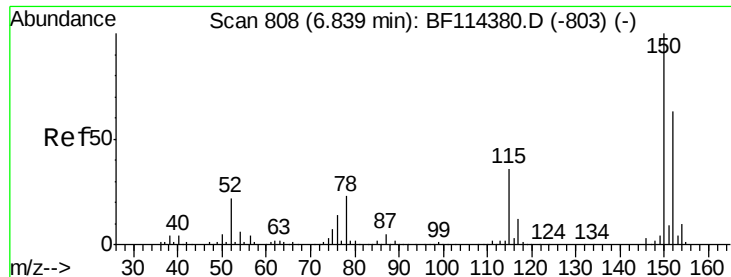
Quant Time: May 20 14:23:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	192128	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	724664	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	302239	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	524222	20.00	ng	0.00
76) Chrysene-d12	14.00	240	479266	20.00	ng	0.00
87) Perylene-d12	15.47	264	558410	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	256404	21.48	ng	-0.01
7) Phenol-d6	6.47	99	332766	23.57	ng	-0.01
23) Nitrobenzene-d5	7.39	82	181259	14.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	53872	17.24	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	319316	15.98	ng	-0.01
79) Terphenyl-d14	12.93	244	263619	11.34	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	22485	2.512	ng	# 80
25) Isophorone	7.39	82	181258	7.569	ng	# 64
51) 2,6-Dinitrotoluene	9.86	165	38336	7.790	ng	# 23
57) 2,4-Dinitrotoluene	9.86	165	38336	5.739	ng	# 26
71) Phenanthrene	11.37	178	150896	5.917	ng	97
75) Fluoranthene	12.56	202	298370	10.864	ng	98
78) Pyrene	12.79	202	255036	6.615	ng	98
81) Benzo(a)anthracene	13.99	228	124686	4.022	ng	98
83) Chrysene	14.02	228	125830	4.141	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	67951	2.530	ng	96
88) Benzo(b)fluoranthene	15.05	252	240218	6.715	ng	97
89) Benzo(k)fluoranthene	15.05	252	240218	7.310	ng	98
90) Benzo(a)pyrene	15.42	252	128515	4.082	ng	98
92) Benzo(a,h,i)perylene	17.40	276	66153	2.523	ng	96

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

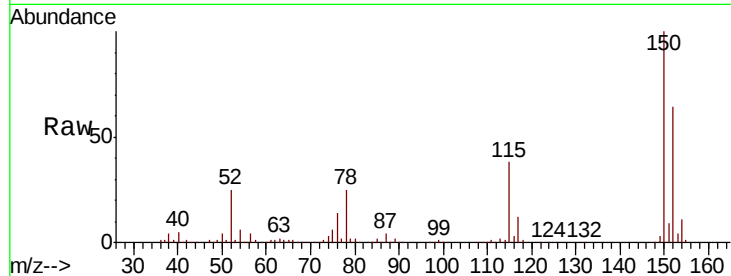


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF114430.D
 Acq: 20 May 2019 11:26

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051519-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.3	186.5
115	59.8	49.1	73.7

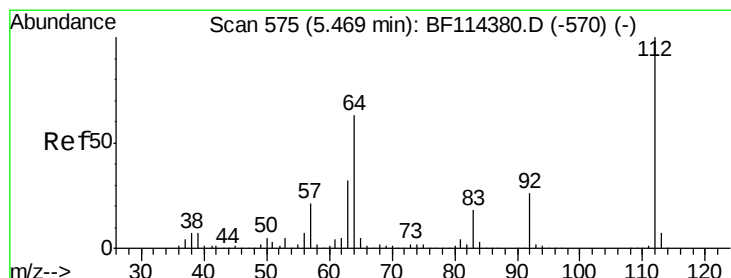
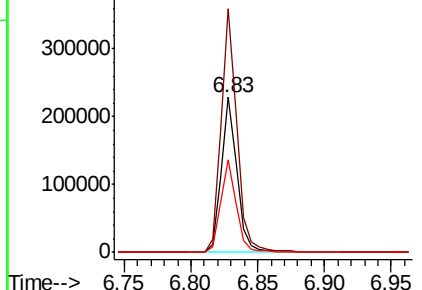
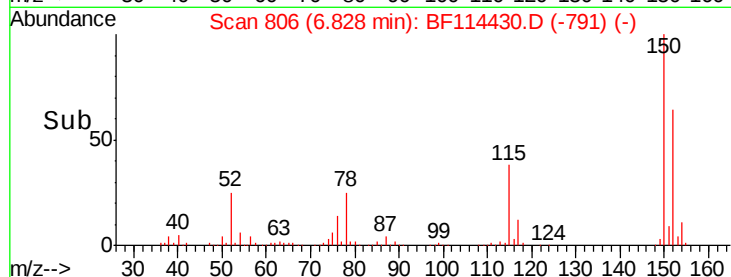


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

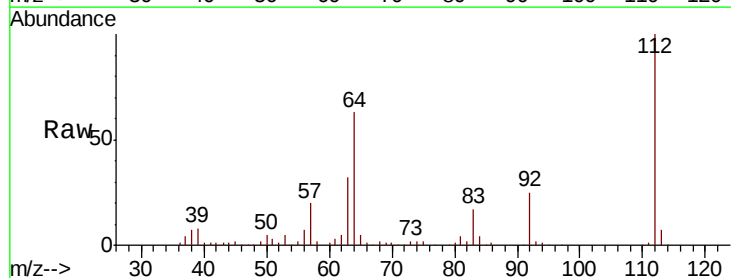
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 21.476 ng
 RT: 5.46 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF114430.D
 Acq: 20 May 2019 11:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	49.0	73.6
63	32.1	24.6	37.0

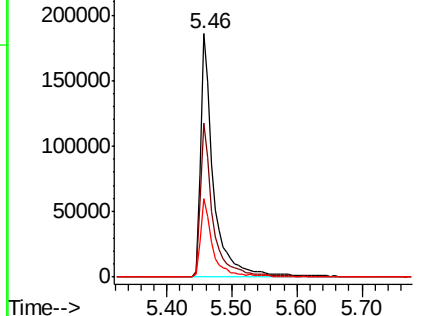
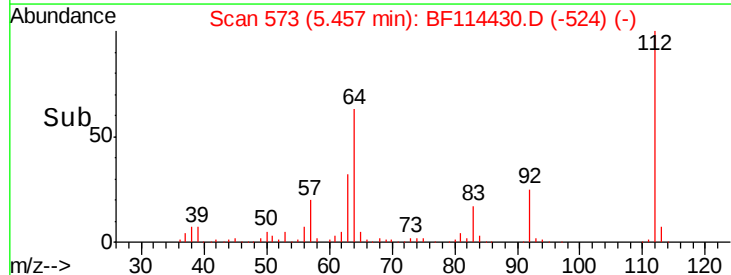


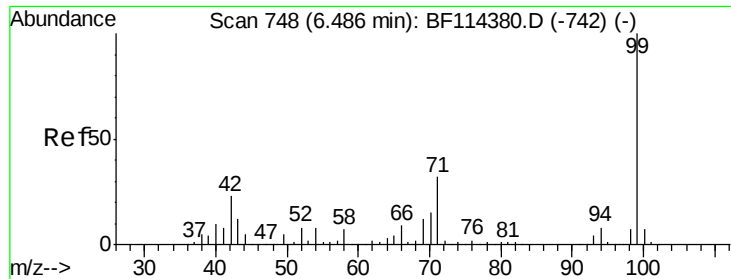
Abundance

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: 23.566 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

Instrument :

BNA_F

ClientSampleId :

EO-01-051519-A

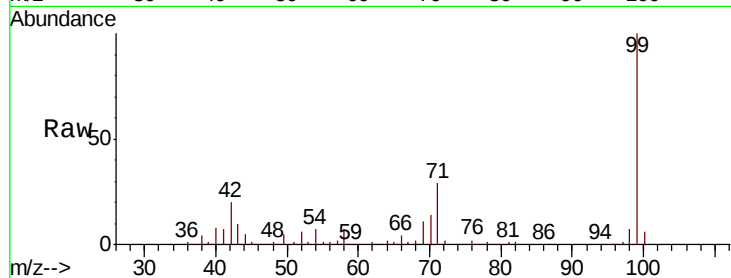
Tot Ion: 99 Resp: 332766

Ion Ratio Lower Upper

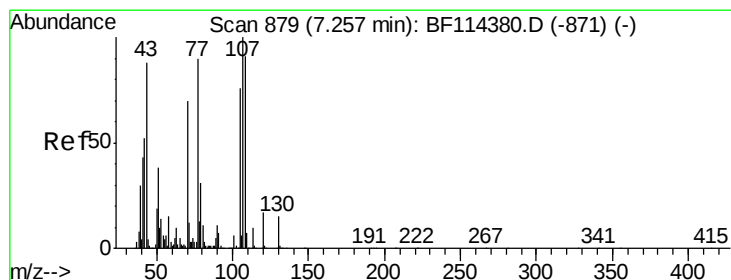
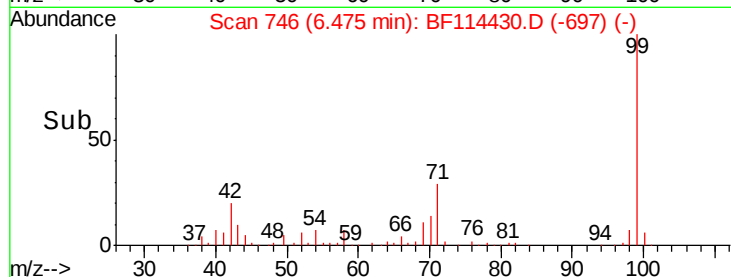
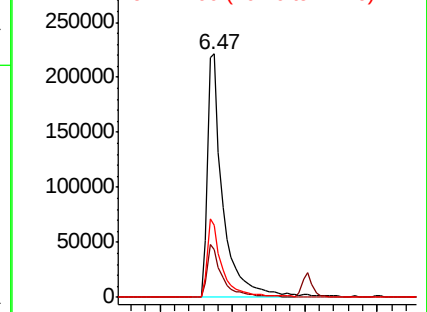
99 100

42 19.7 17.9 26.9

71 29.5 26.2 39.2



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: 2.512 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

Tgt Ion: 70 Resp: 22485

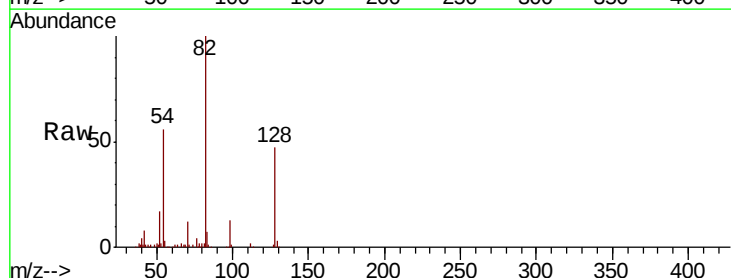
Ion Ratio Lower Upper

70 100

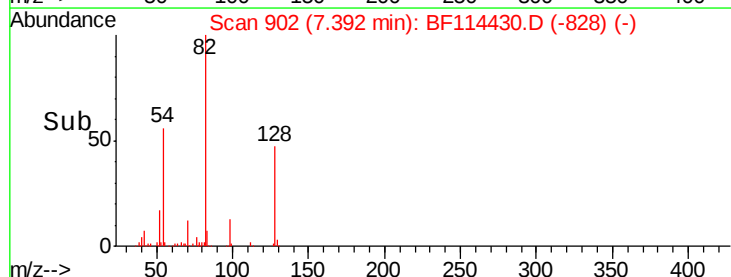
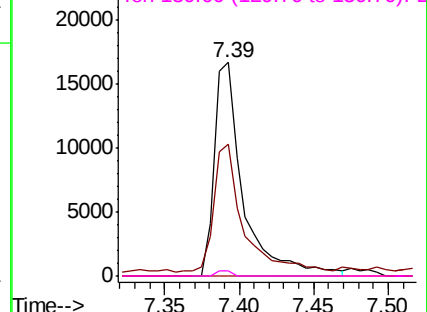
42 61.6 58.6 87.8

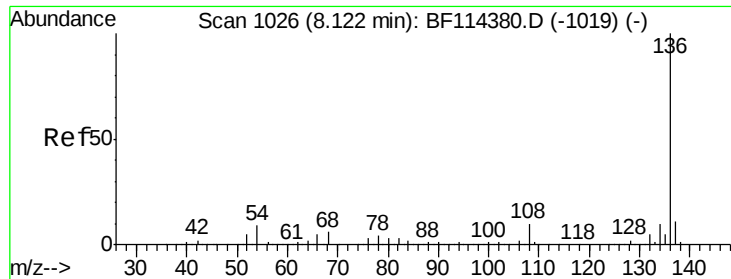
101 0.0 7.8 11.8#

130 2.5 17.1 25.7#



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

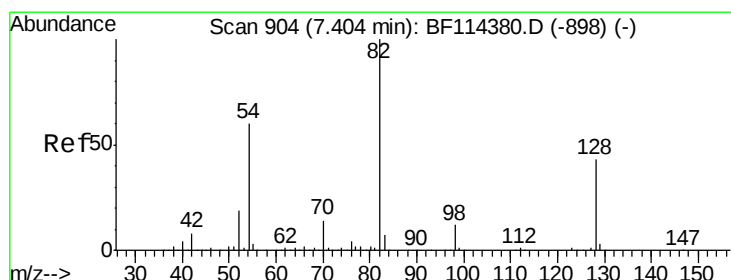
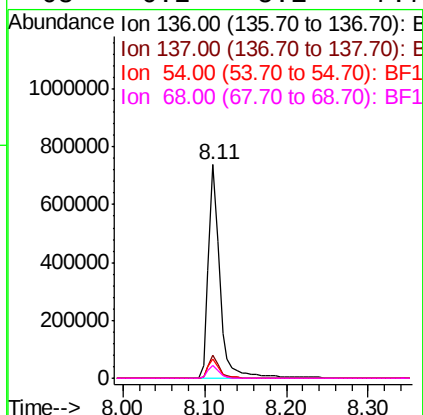
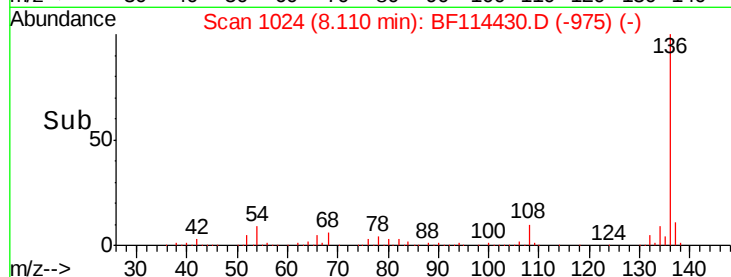
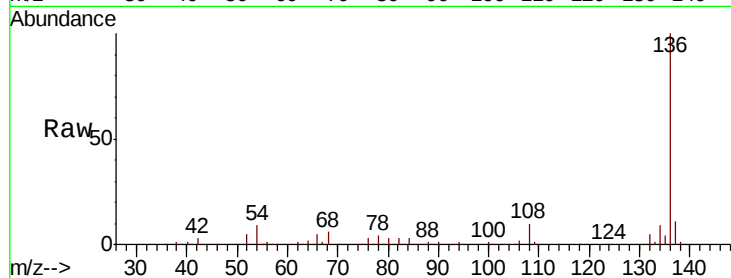




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

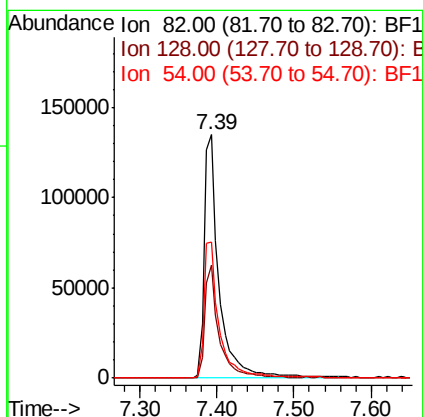
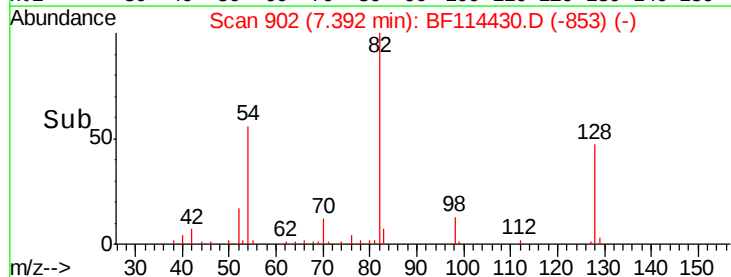
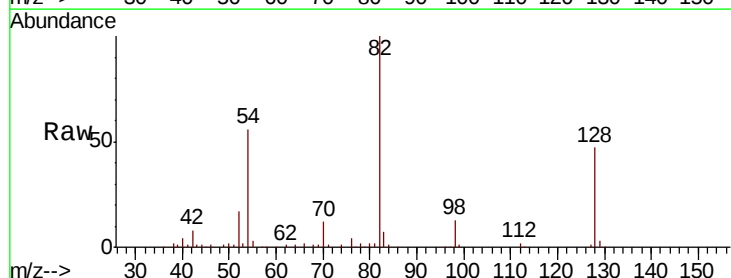
Instrument :
BNA_F
ClientSampleId :
EO-01-051519-A

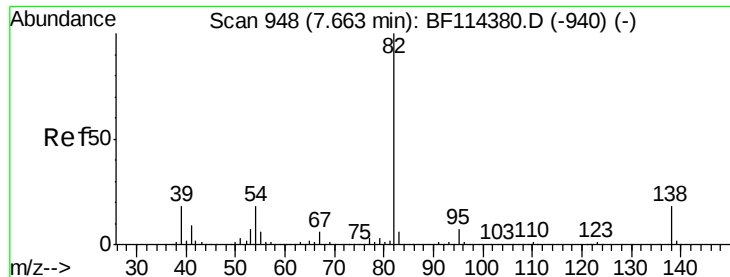
Tot Ion:136	Resp:	724664
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.8	13.2
54 9.3	7.8	11.8
68 6.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 14.037 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

Tgt	Ion: 82	Resp:	181259
Ion	Ratio	Lower	Upper
82	100		
128	46.6	35.5	53.3
54	55.8	48.5	72.7





#25

Isophorone

Concen: 7.569 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.27 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

Instrument :

BNA_F

ClientSampleId :

EO-01-051519-A

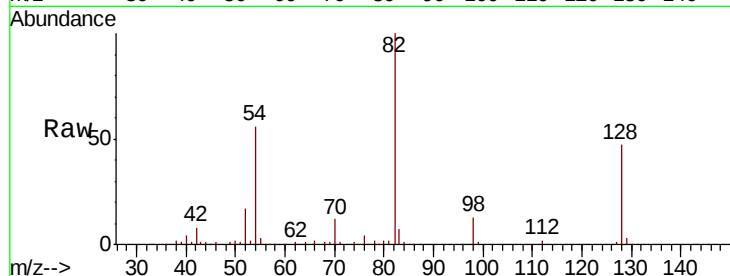
Tot Ion: 82 Resp: 181258

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

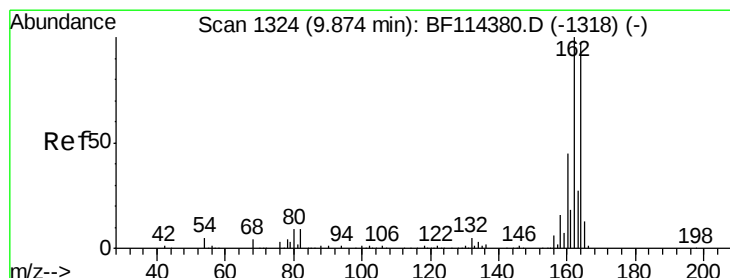
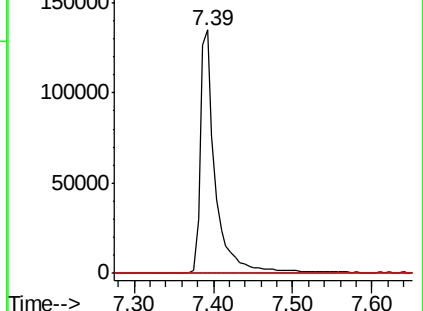
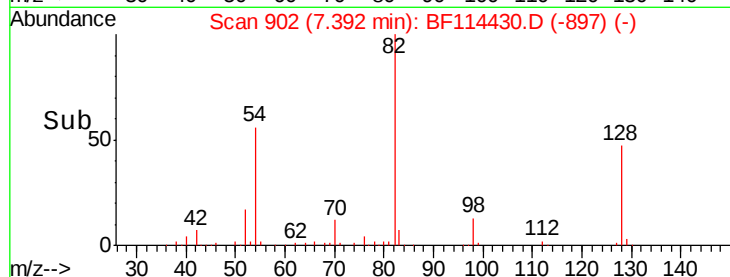
138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

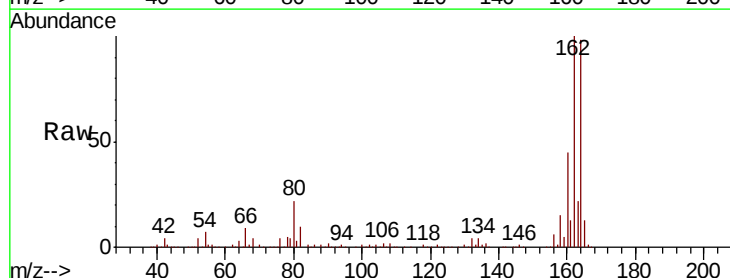
Tgt Ion: 164 Resp: 302239

Ion Ratio Lower Upper

164 100

162 102.2 80.6 120.8

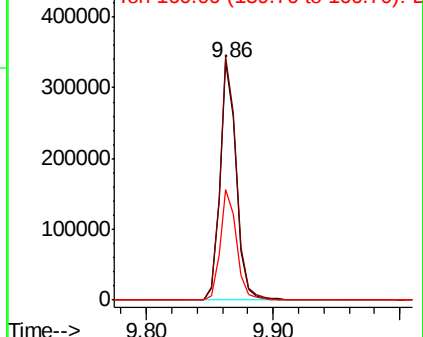
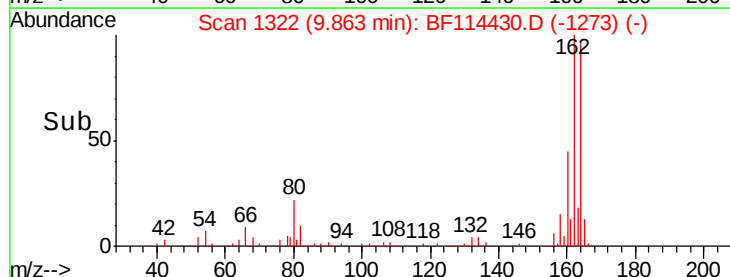
160 46.4 36.5 54.7

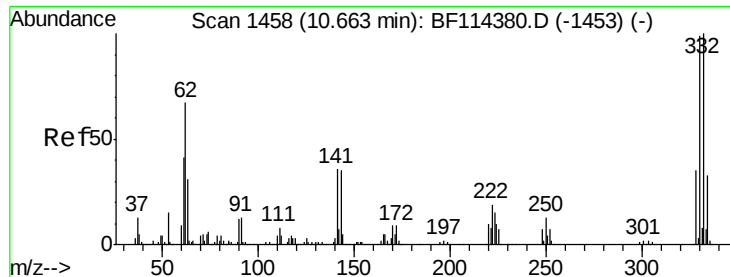


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

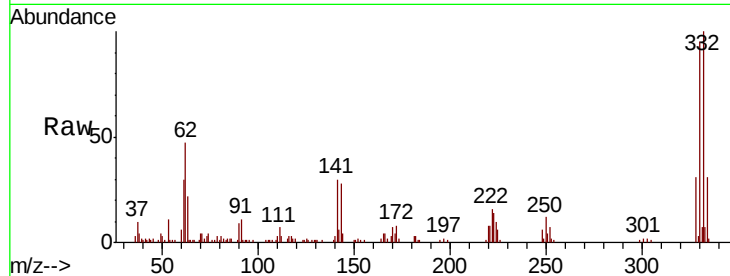




#42
 2,4,6-Tribromophenol
 Concen: 17.241 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF114430.D
 Acq: 20 May 2019 11:26

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051519-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.7	81.4	122.2
141	35.6	26.6	40.0

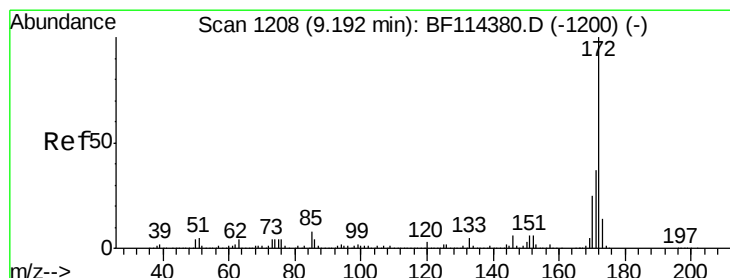
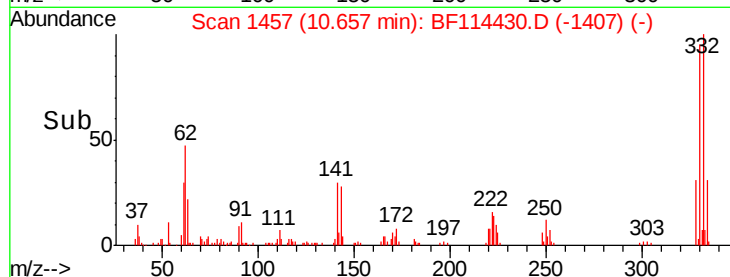
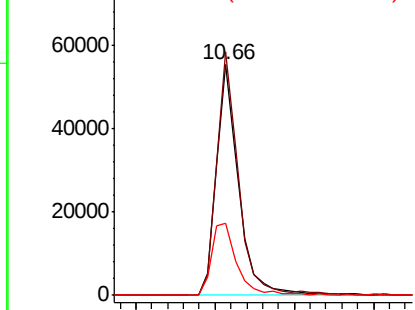


Abundance

Ion 329.80 (329.50 to 330.50): E

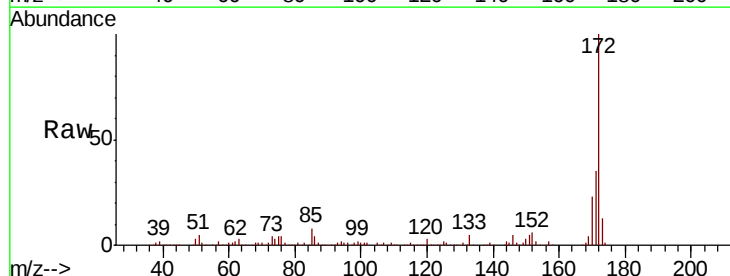
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 15.981 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF114430.D
 Acq: 20 May 2019 11:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.7	46.1
170	22.9	20.5	30.7

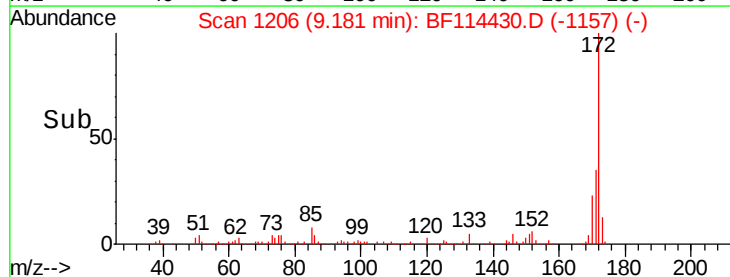
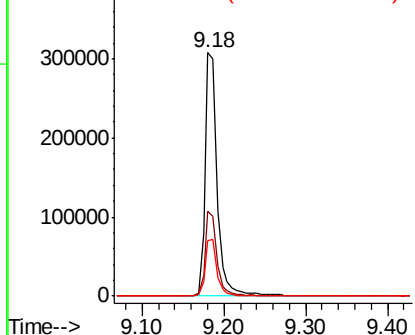


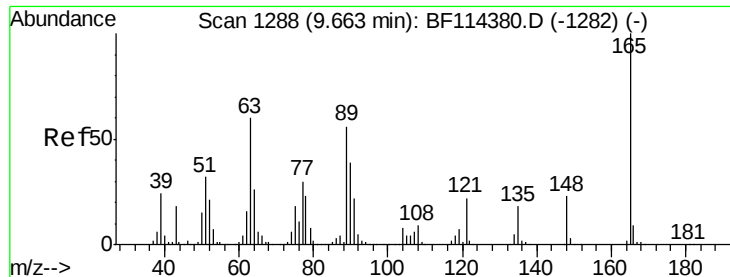
Abundance

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

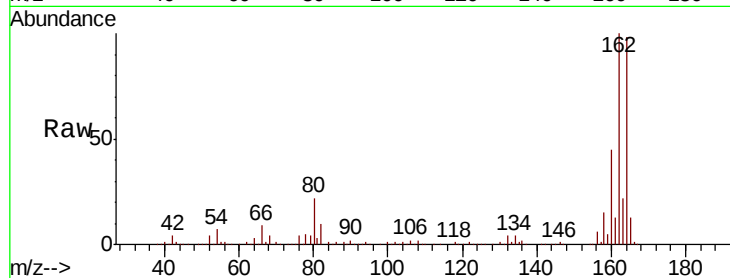




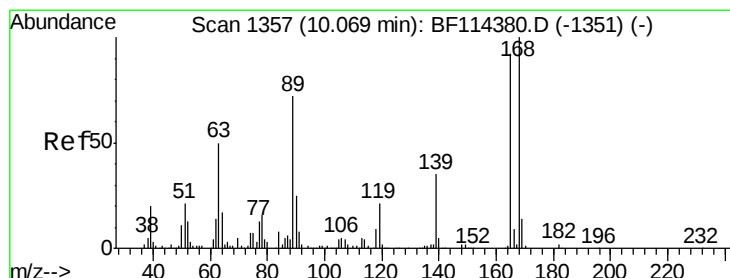
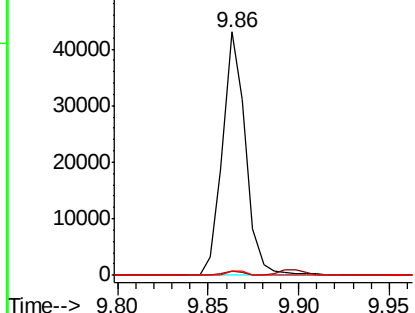
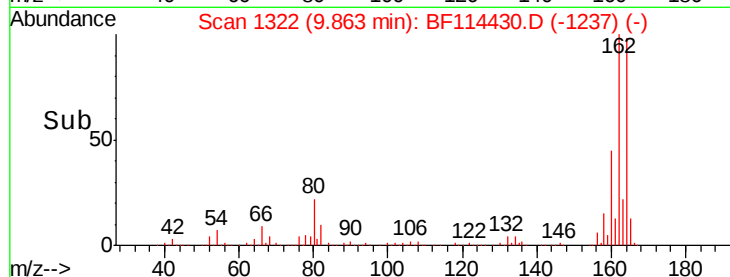
#51
 2,6-Dinitrotoluene
 Concen: 7.790 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.20 min
 Lab File: BF114430.D
 Acq: 20 May 2019 11:26

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051519-A

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	50.2	75.4#
89	1.8	46.6	69.8#

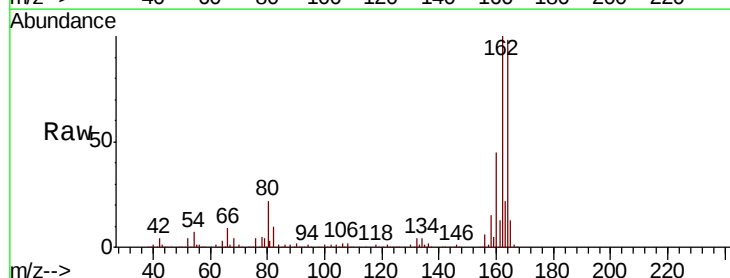


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

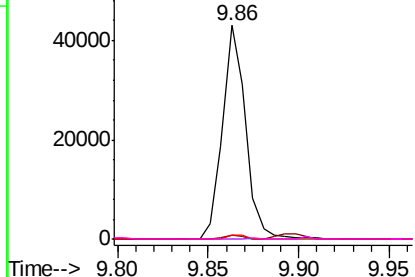
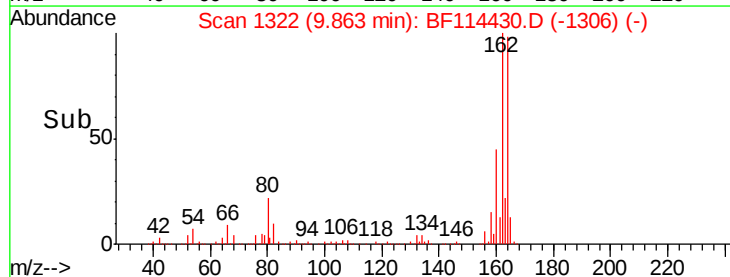


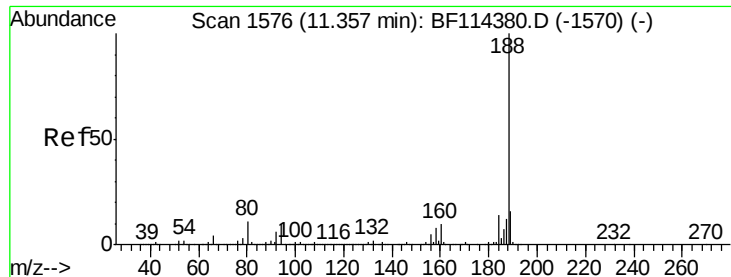
#57
 2,4-Dinitrotoluene
 Concen: 5.739 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.21 min
 Lab File: BF114430.D
 Acq: 20 May 2019 11:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	35.5	53.3#
89	1.8	55.2	82.8#
182	0.0	2.2	3.2#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

Instrument :

BNA_F

ClientSampleId :

EO-01-051519-A

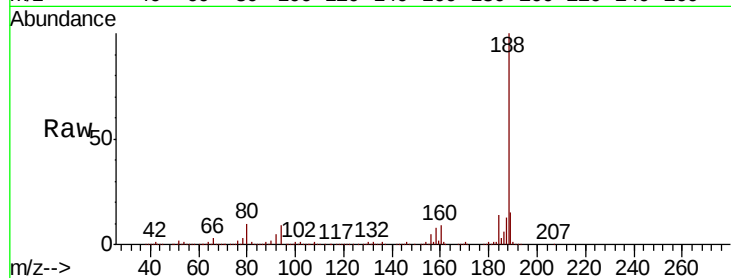
Tot Ion:188 Resp: 524222

Ion Ratio Lower Upper

188 100

94 9.3 8.4 12.6

80 9.7 9.2 13.8



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

800000

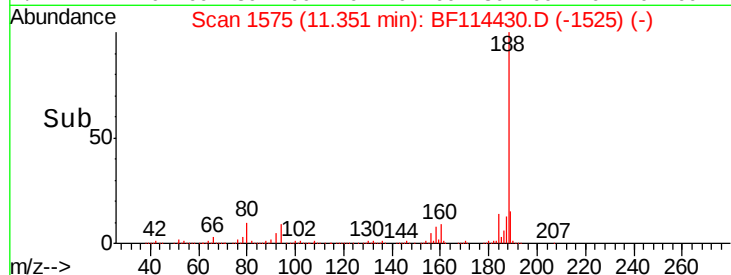
600000

400000

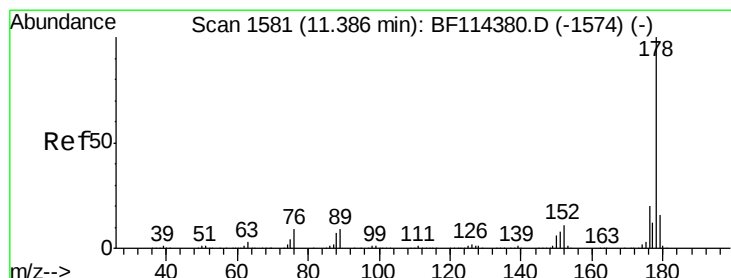
200000

0

11.30 11.35 11.40



Time-->



#71

Phenanthrene

Concen: 5.917 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

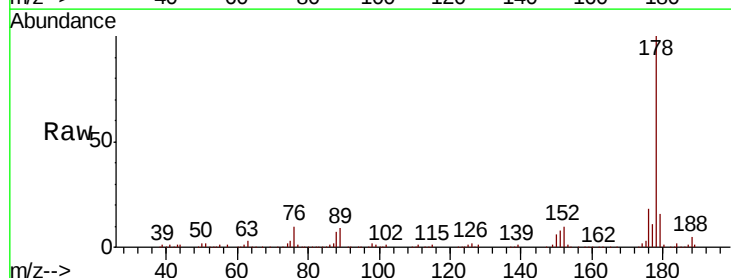
Tgt Ion:178 Resp: 150896

Ion Ratio Lower Upper

178 100

176 18.5 16.4 24.6

179 16.4 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

200000

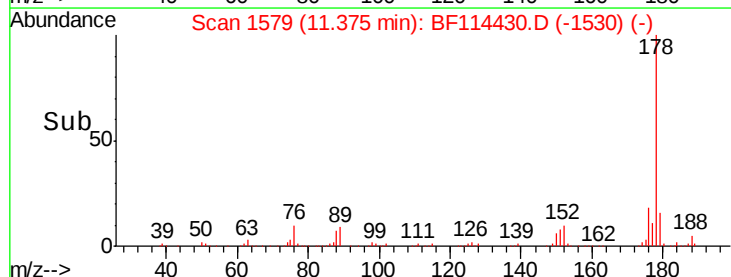
150000

100000

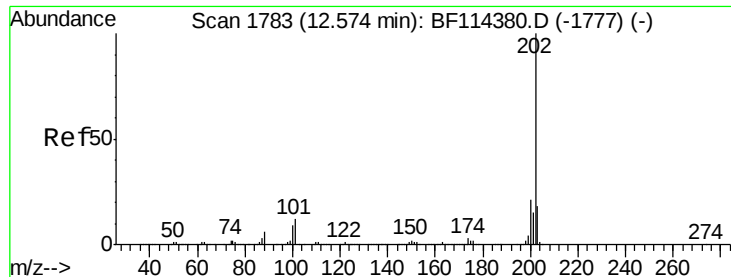
50000

0

11.30 11.35 11.40



Time-->



#75

Fluoranthene

Concen: 10.864 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

Instrument :

BNA_F

ClientSampleId :

EO-01-051519-A

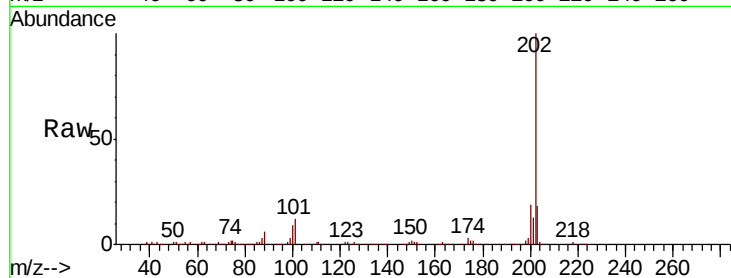
Tot Ion:202 Resp: 298370

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.0

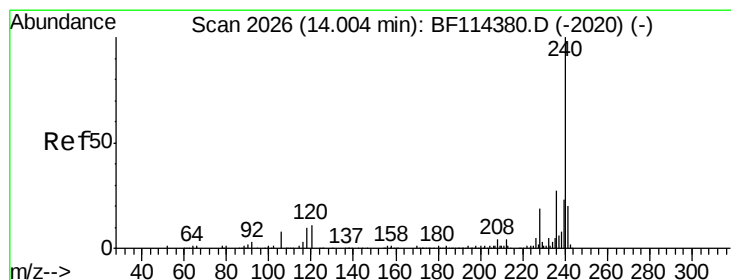
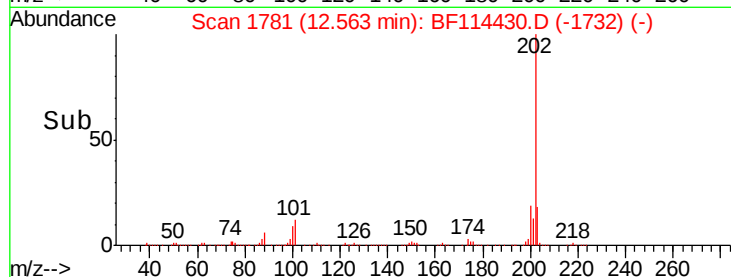
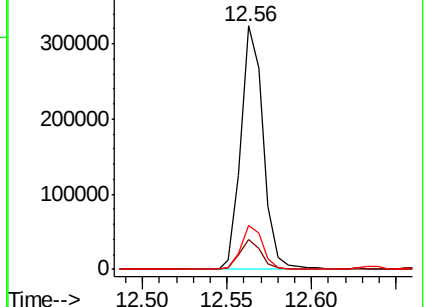
203 18.2 0.0 38.4



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: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

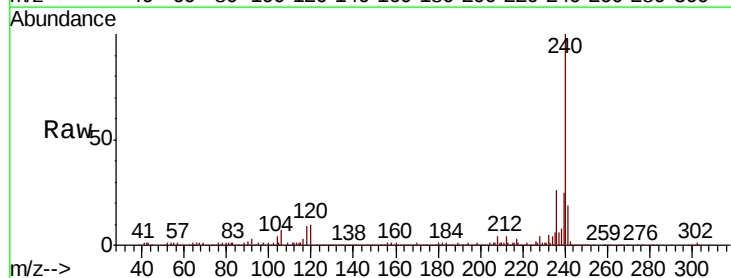
Tgt Ion:240 Resp: 479266

Ion Ratio Lower Upper

240 100

120 10.5 8.3 12.5

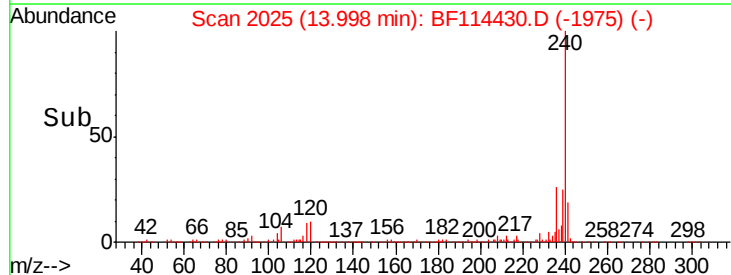
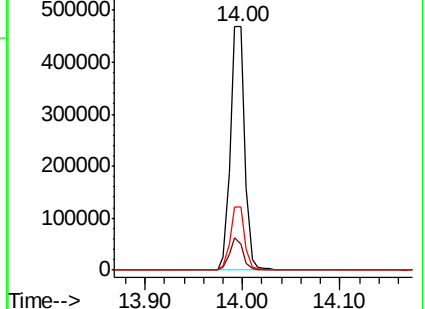
236 25.7 20.8 31.2

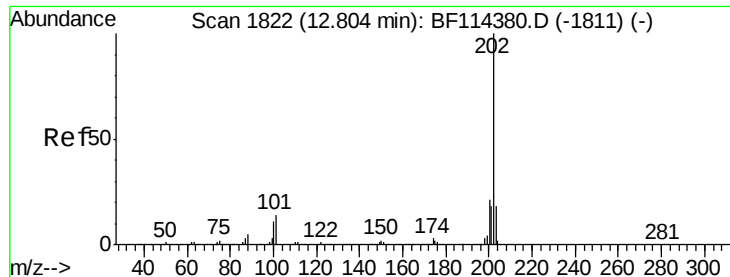


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

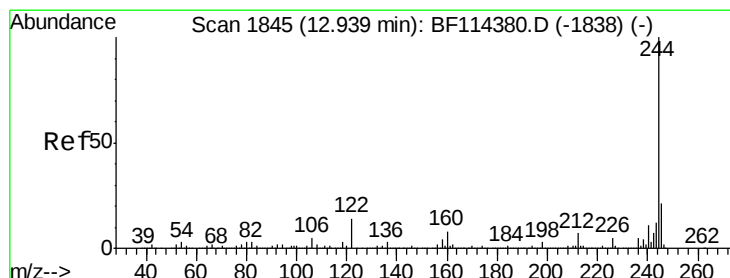
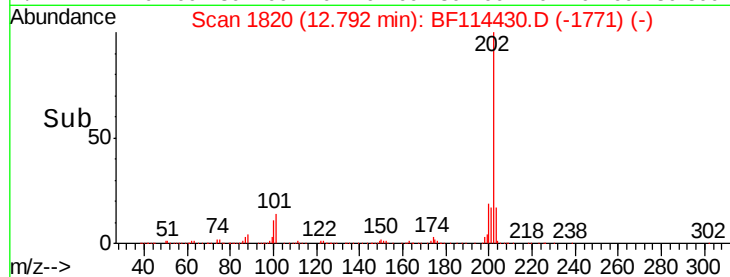
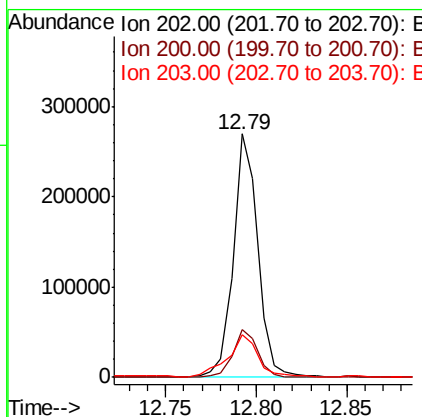
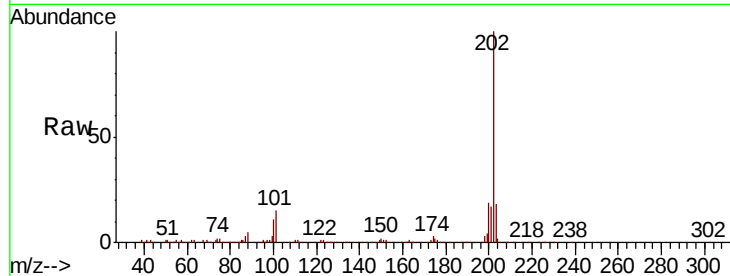




#78
Pvrene
Concen: 6.615 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

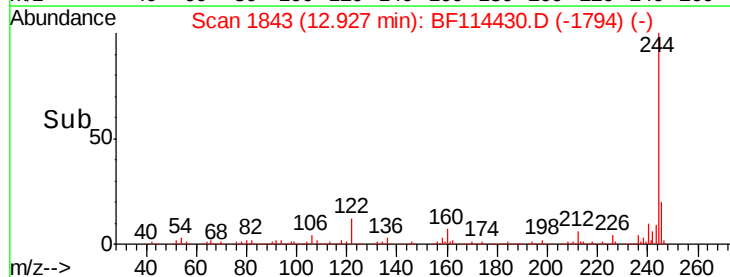
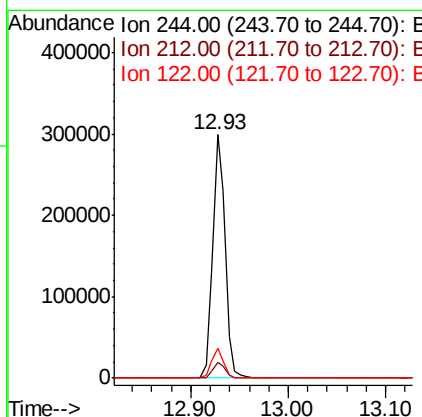
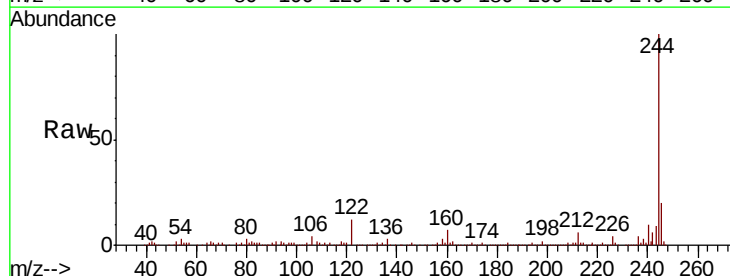
Instrument :
BNA_F
ClientSampleId :
EO-01-051519-A

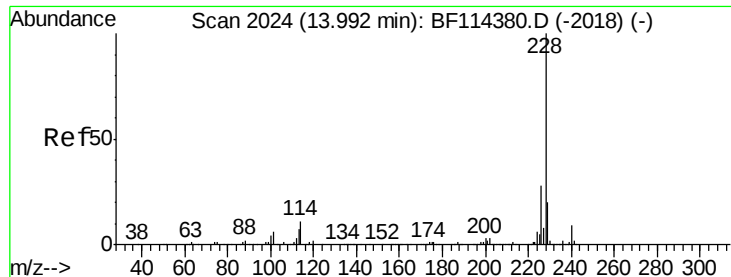
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.9	25.3
203	17.8	14.5	21.7



#79
Terphenyl-d14
Concen: 11.339 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.6
122	12.1	9.4	14.2

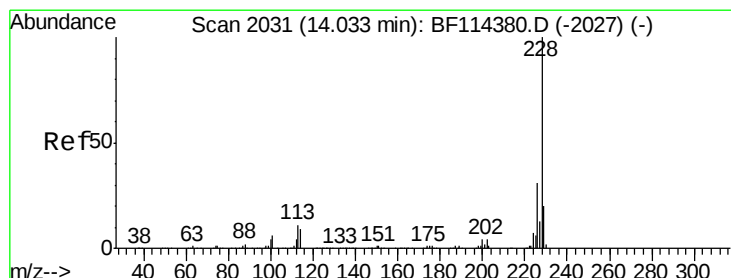
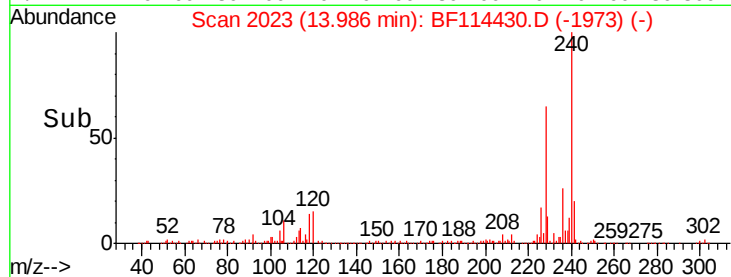
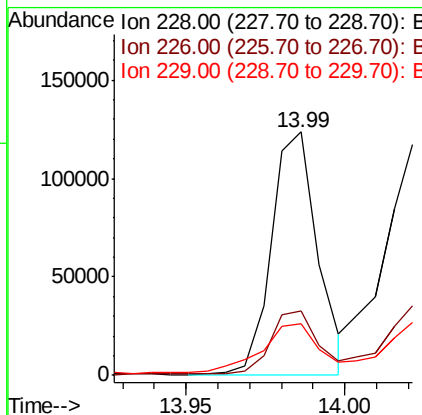
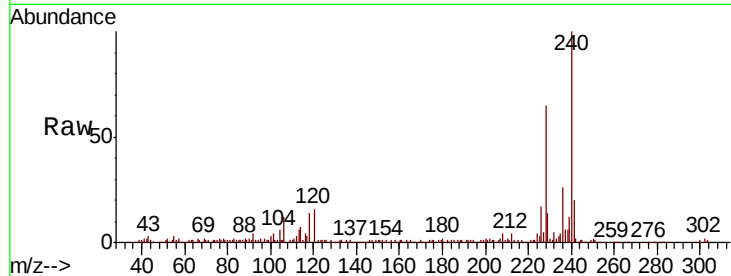




#81
Benzo(a)anthracene
Concen: 4.022 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

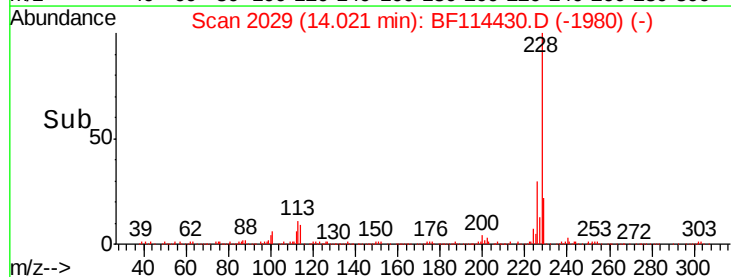
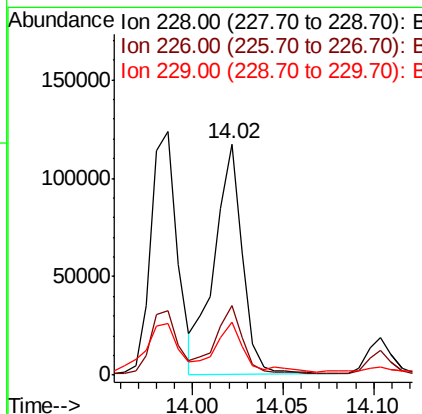
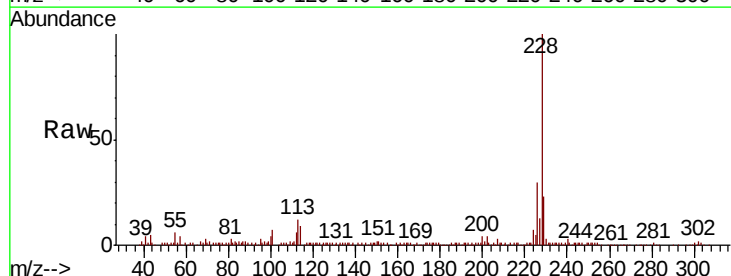
Instrument :
BNA_F
ClientSampleId :
EO-01-051519-A

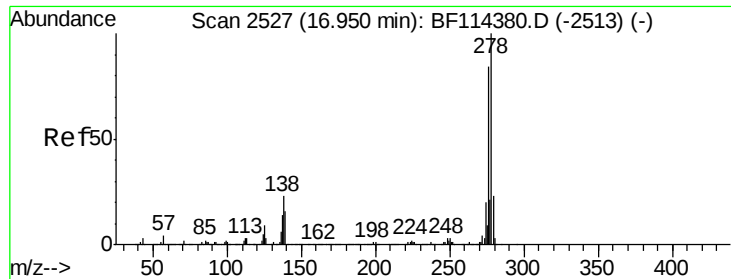
Tot Ion:228 Resp: 124686
Ion Ratio Lower Upper
228 100
226 26.6 22.2 33.2
229 21.1 16.4 24.6



#83
Chrysene
Concen: 4.141 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

Tgt Ion:228 Resp: 125830
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 22.9 17.0 25.6

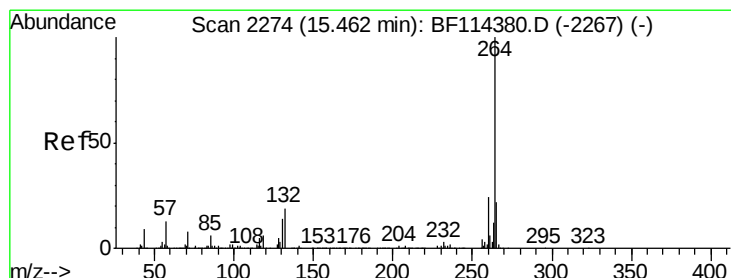
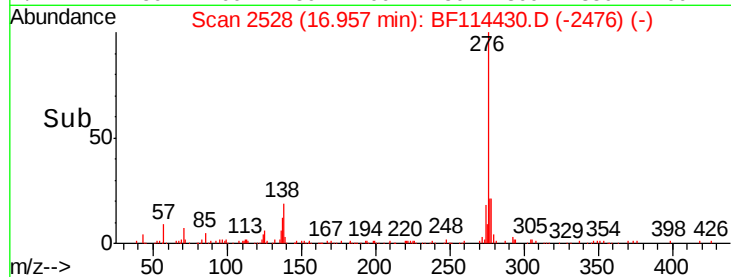
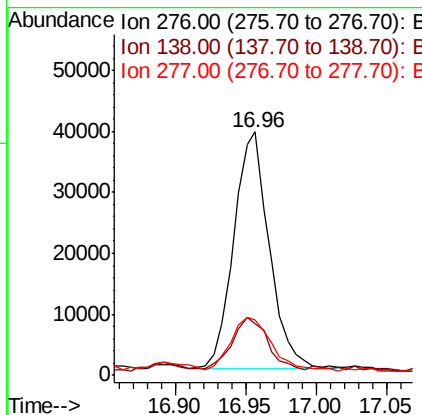
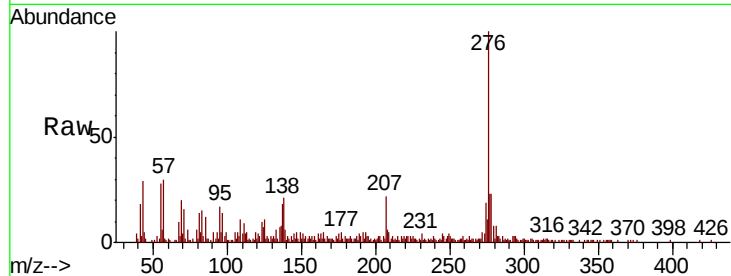




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.530 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. 0.01 min
 Lab File: BF114430.D
 Acq: 20 May 2019 11:26

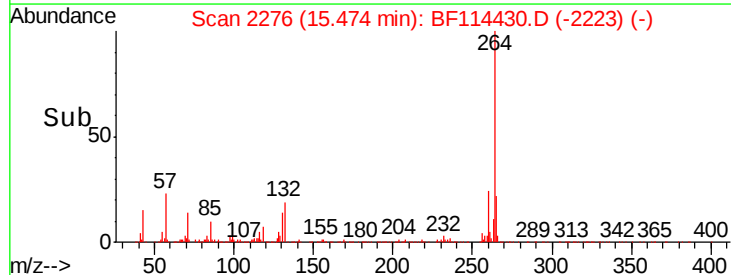
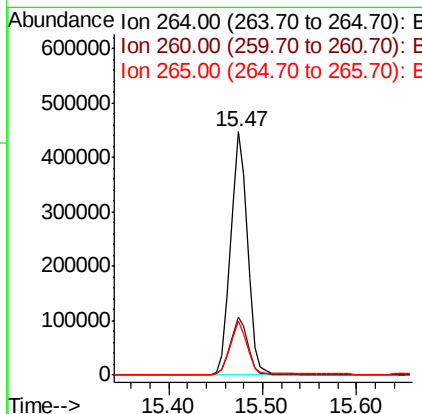
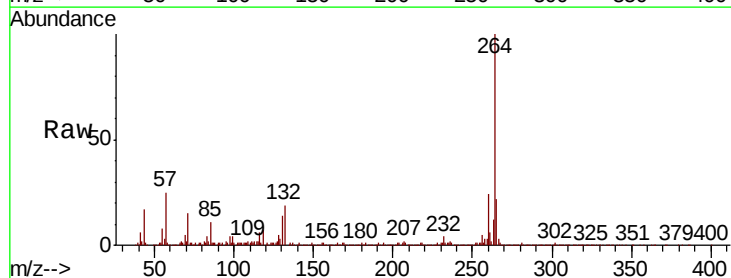
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051519-A

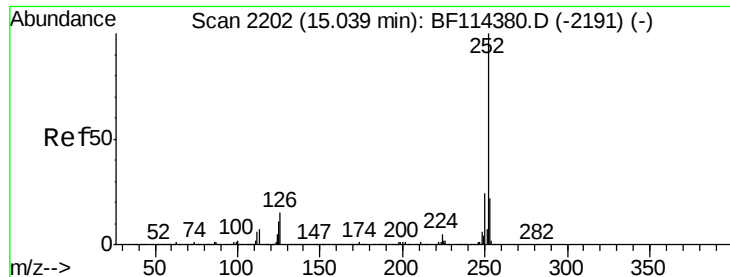
Tot Ion:	276	Resp:	67951
Ion	Ratio	Lower	Upper
276	100		
138	22.3	20.2	30.2
277	26.3	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.01 min
 Lab File: BF114430.D
 Acq: 20 May 2019 11:26

Tgt Ion:	264	Resp:	558410
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	22.5	16.9	25.3

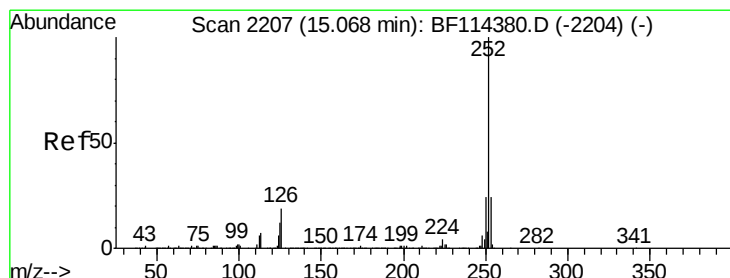
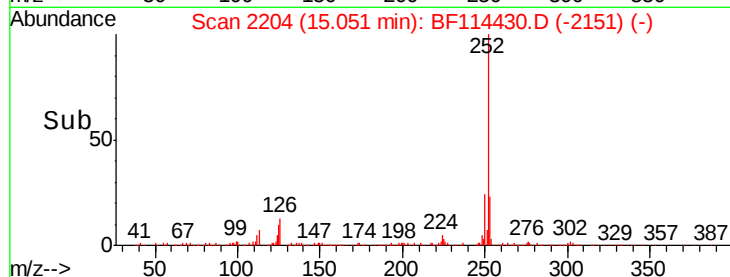
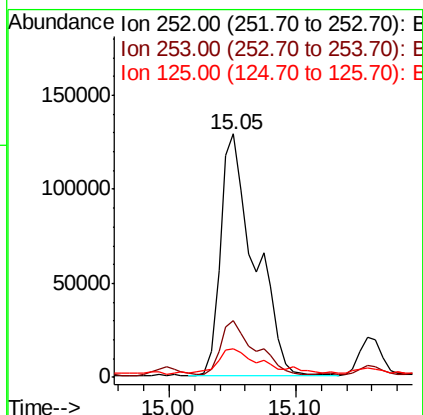
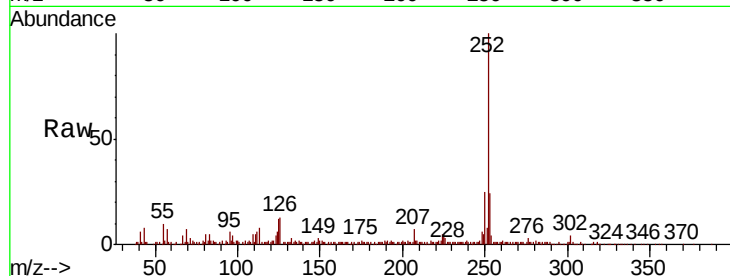




#88
Benzo(b)fluoranthene
Concen: 6.715 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

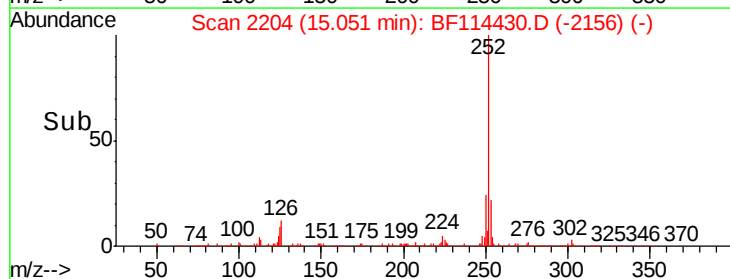
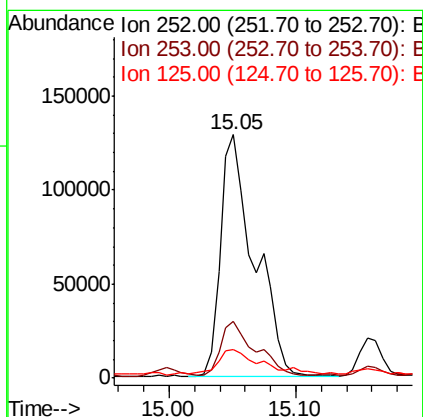
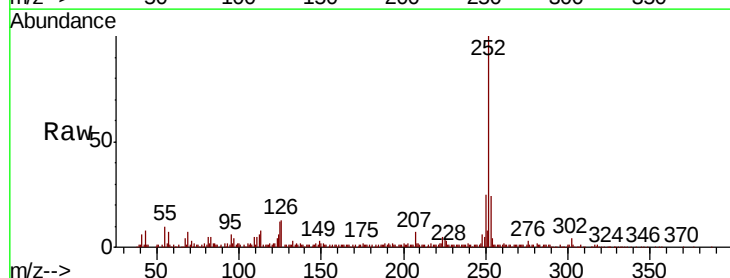
Instrument :
BNA_F
ClientSampleId :
EO-01-051519-A

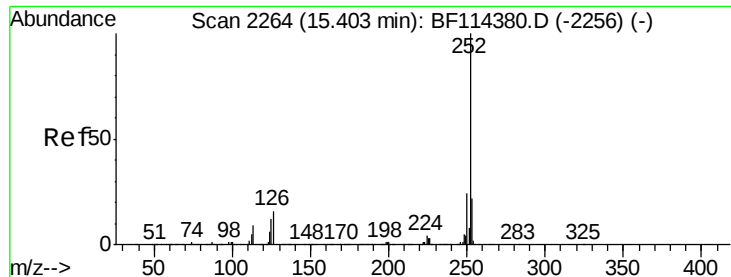
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	11.7	8.3	12.5



#89
Benzo(k)fluoranthene
Concen: 7.310 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	11.7	8.6	13.0

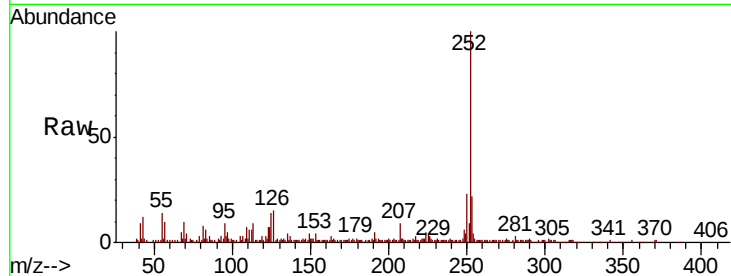




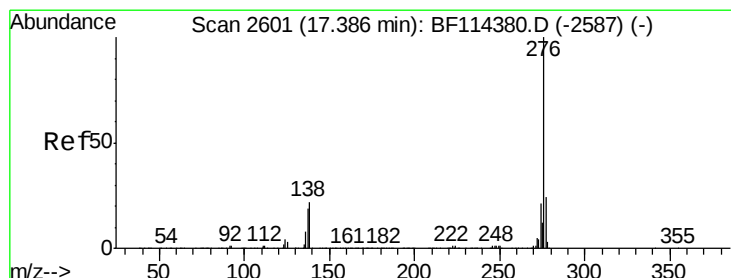
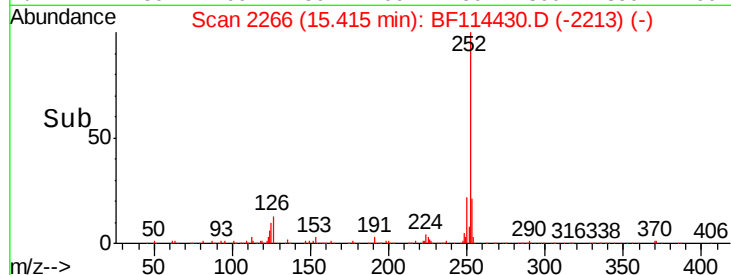
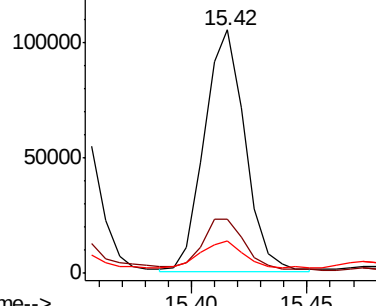
#90
Benzo(a)pyrene
Concen: 4.082 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

Instrument :
BNA_F
ClientSampleId :
EO-01-051519-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	13.6	9.5	14.3

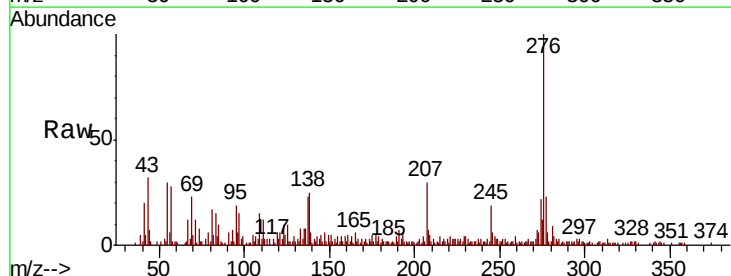


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.523 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.02 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.0	28.4
138	24.9	17.8	26.6



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

