

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081319\
 Data File : BF116255.D
 Acq On : 14 Aug 2019 2:37
 Operator : HP/JU
 Sample : K4319-03 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Quant Time: Aug 14 05:40:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	122160	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	518314	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	280949	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	504576	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	369156	20.00	ng	-0.01
87) Perylene-d12	15.47	264	368994	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	117082	16.04	ng	0.04
7) Phenol-d6	6.52	99	161567	17.55	ng	0.04
23) Nitrobenzene-d5	7.41	82	110533	12.31	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	48421	17.78	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	232764	15.52	ng	-0.01
79) Terphenyl-d14	12.93	244	265283	15.14	ng	-0.02

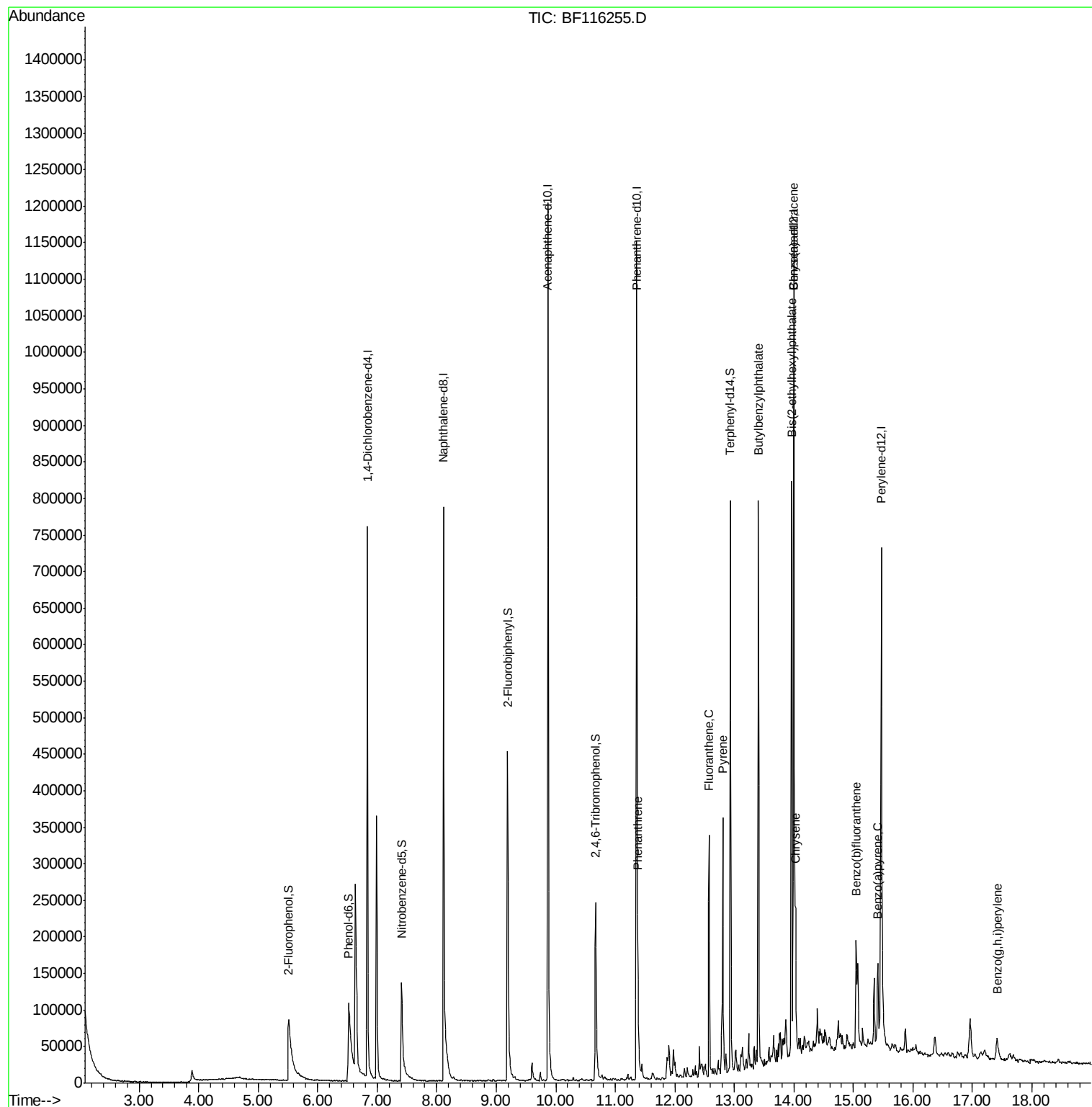
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
71) Phenanthrene	11.38	178	55374	2.147	ng	96
75) Fluoranthene	12.57	202	146290	5.417	ng	99
78) Pyrene	12.80	202	138268	4.969	ng	99
80) Butylbenzylphthalate	13.40	149	163899	13.924	ng	97
81) Benzo(a)anthracene	13.99	228	67416	2.857	ng	98
83) Chrysene	14.03	228	76430	3.337	ng	100
84) Bis(2-ethylhexyl)phthalate	13.96	149	212437	13.888	ng	100
88) Benzo(b)fluoranthene	15.04	252	85797m	4.021	ng	
90) Benzo(a)pyrene	15.41	252	60777	3.187	ng	# 95
92) Benzo(g,h,i)perylene	17.42	276	34380	2.120	ng	95

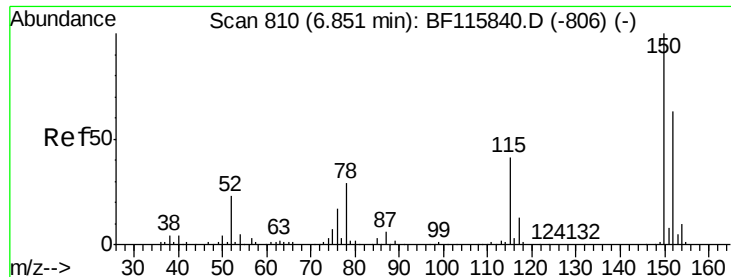
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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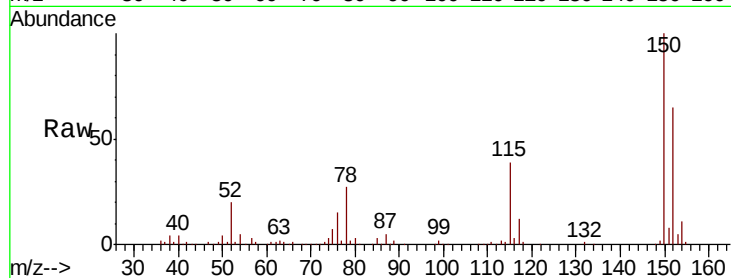


#1

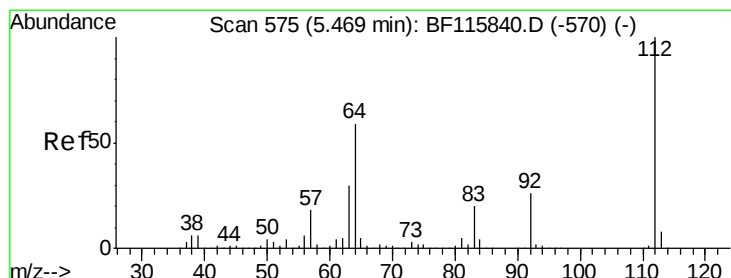
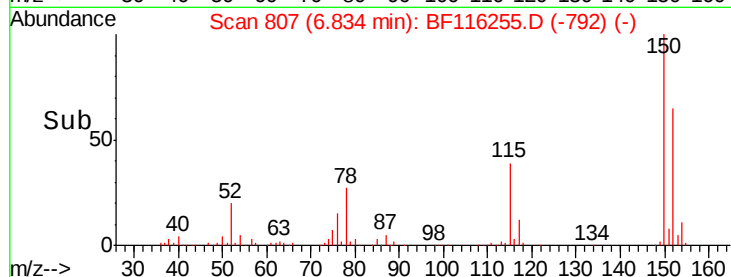
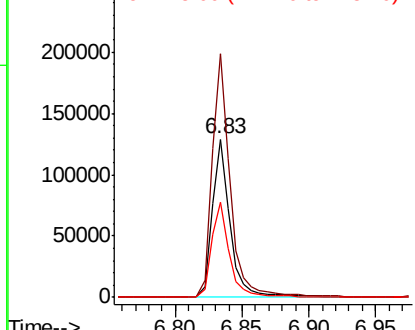
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion:152 Resp: 122160
Ion Ratio Lower Upper
152 100
150 153.7 126.2 189.2
115 59.8 49.9 74.9



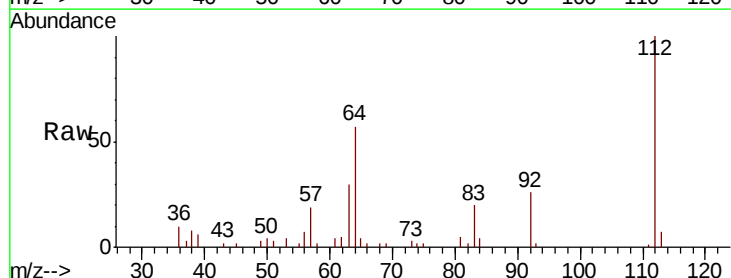
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



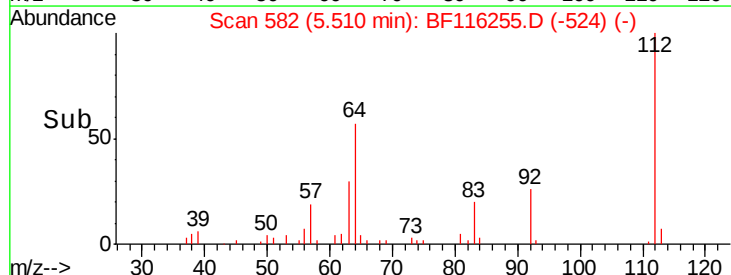
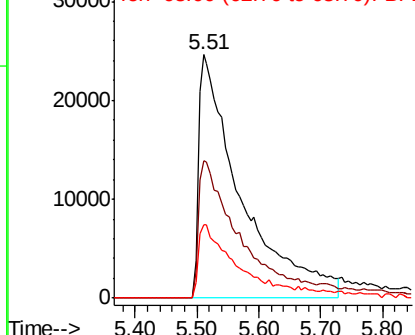
#5

2-Fluorophenol
Concen: 16.045 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.04 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Tgt Ion:112 Resp: 117082
Ion Ratio Lower Upper
112 100
64 56.6 45.4 68.2
63 30.1 23.7 35.5



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: 17.549 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.04 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

Instrument :

BNA_F

ClientSampled :

SOIL-PILE

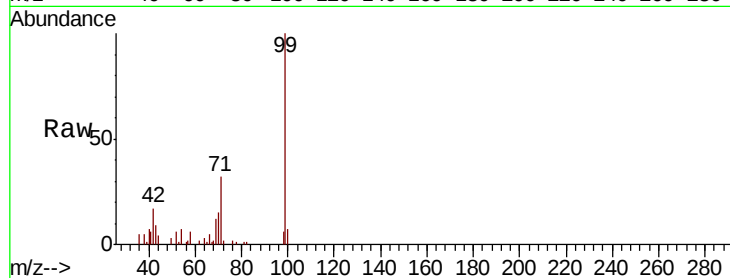
Tot Ion: 99 Resp: 161567

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.8

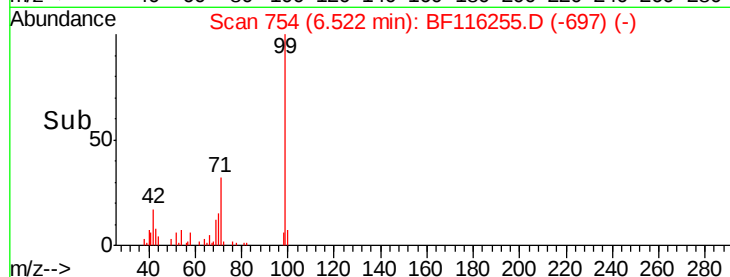
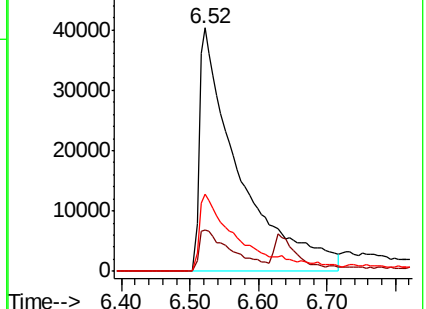
71 32.0 27.3 40.9



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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

Tgt Ion: 136 Resp: 518314

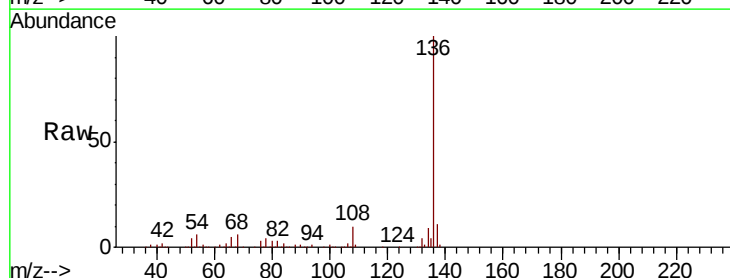
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 6.5 5.8 8.6

68 6.0 5.2 7.8

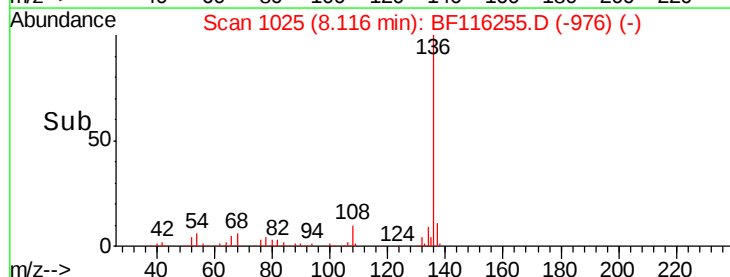
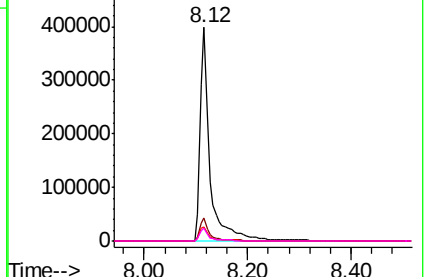


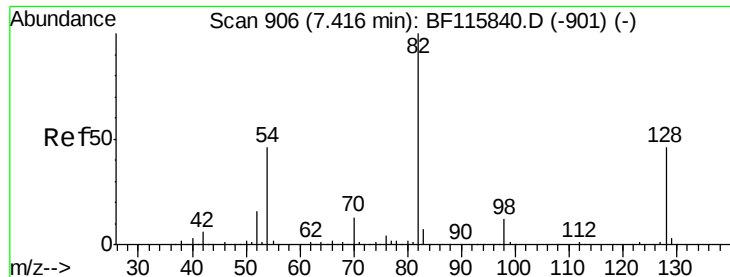
Abundance Ion 136.00 (135.70 to 136.70): E

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

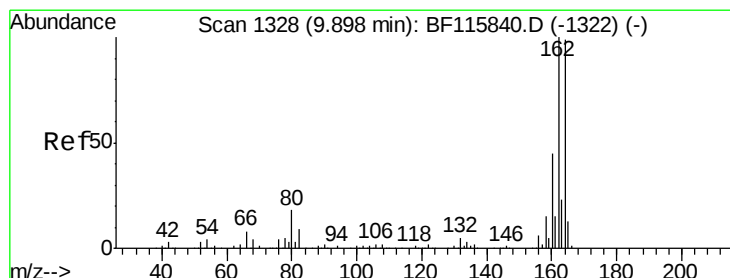
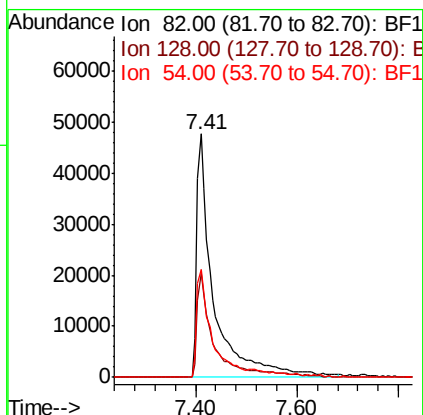
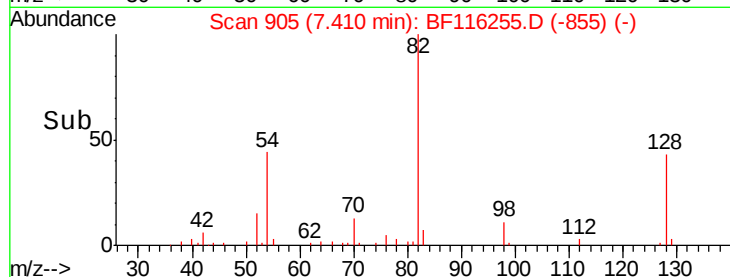
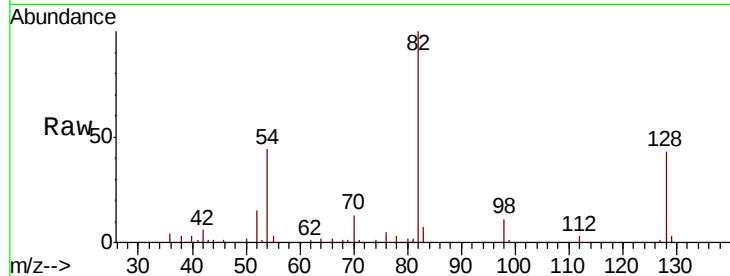




#23
Nitrobenzene-d5
Concen: 12.310 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

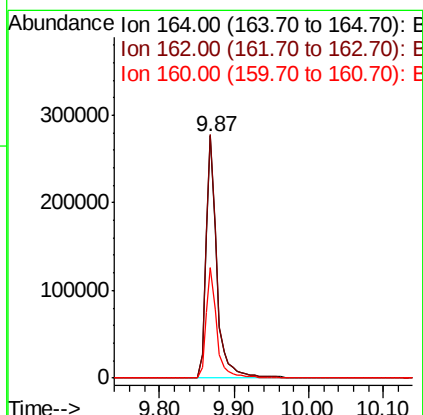
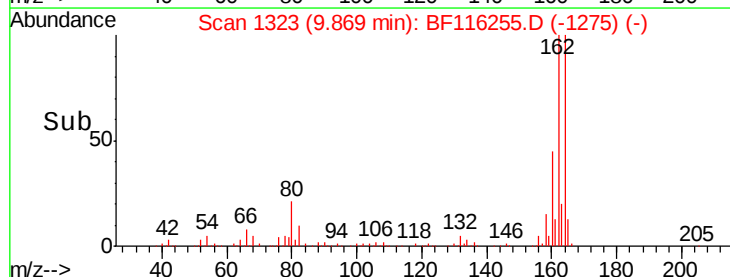
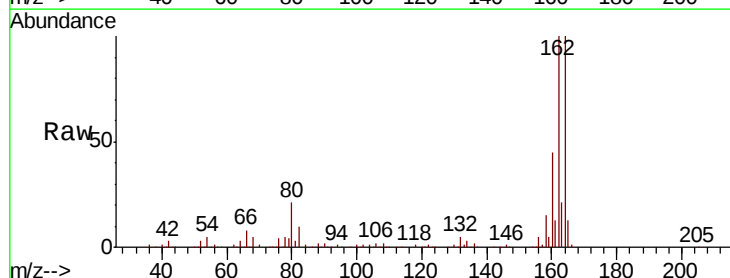
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

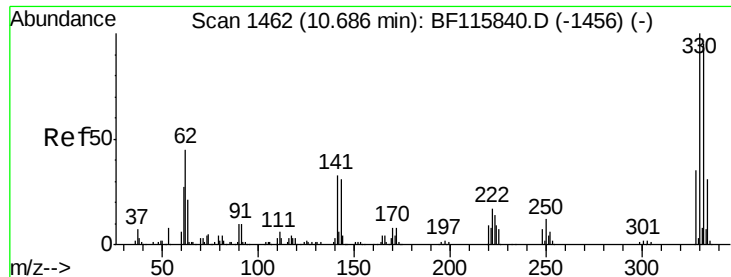
Tot Ion: 82 Resp: 110533
Ion Ratio Lower Upper
82 100
128 42.8 36.5 54.7
54 44.2 36.0 54.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Tgt Ion:164 Resp: 280949
Ion Ratio Lower Upper
164 100
162 100.5 82.6 124.0
160 45.7 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 17.776 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

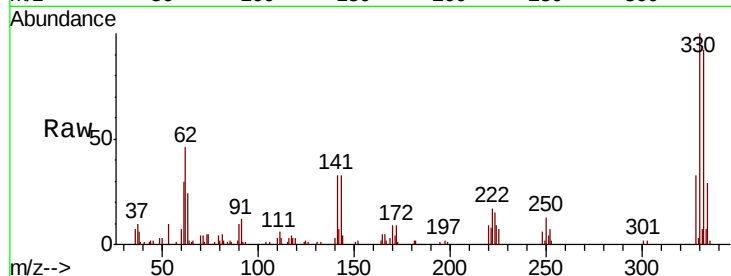
Tot Ion:330 Resp: 48421

Ion Ratio Lower Upper

330 100

332 93.9 76.8 115.2

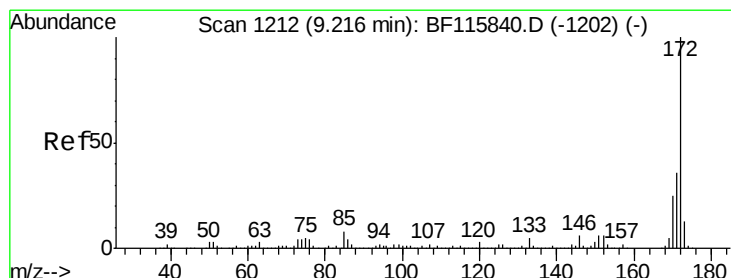
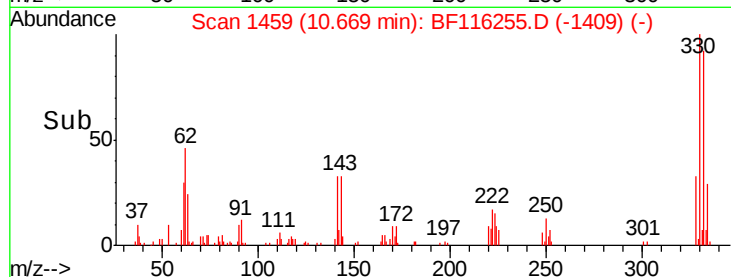
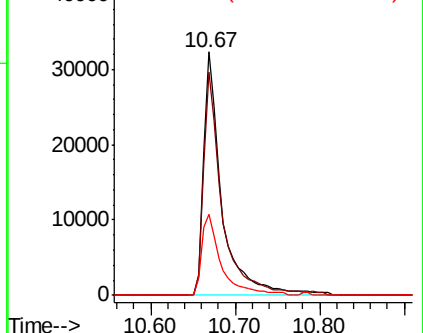
141 35.4 26.3 39.5



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: 15.518 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

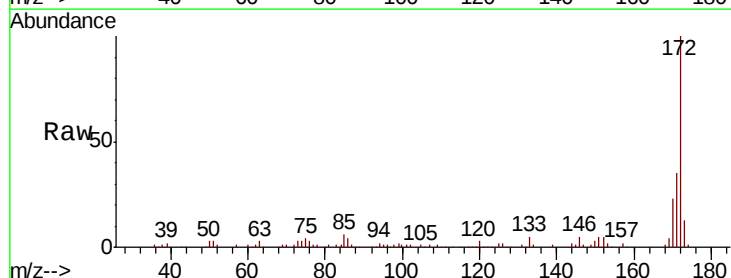
Tgt Ion:172 Resp: 232764

Ion Ratio Lower Upper

172 100

171 34.5 29.6 44.4

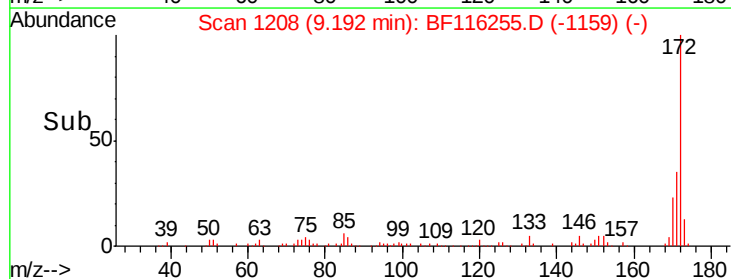
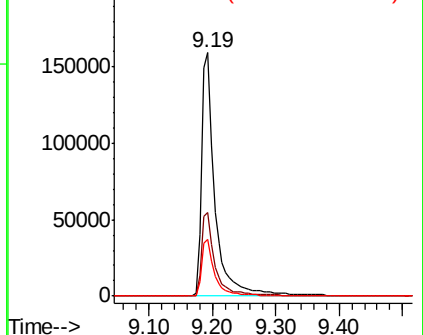
170 23.5 20.1 30.1

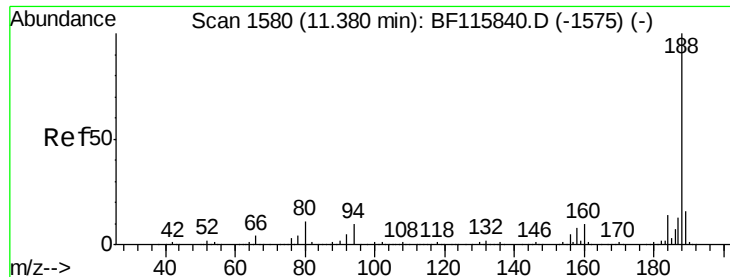


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

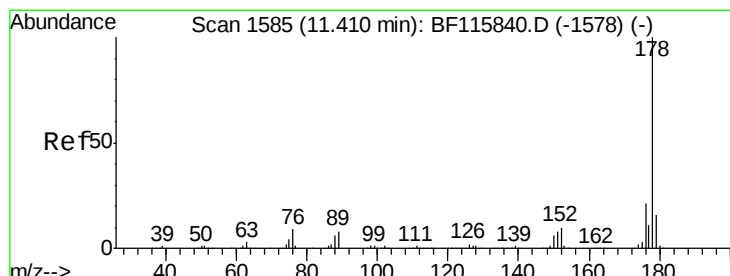
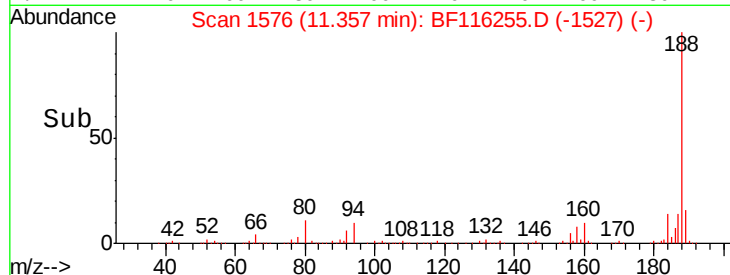
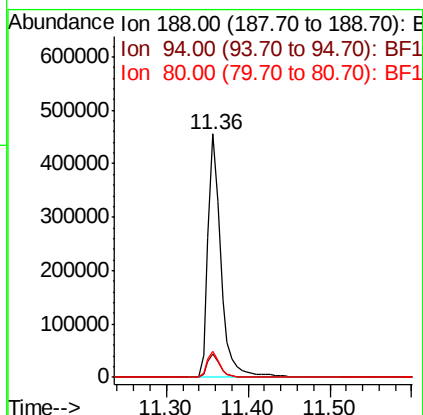
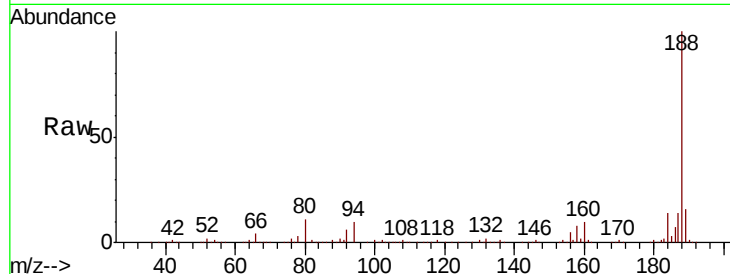




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116255.D
 Acq: 14 Aug 2019 2:37

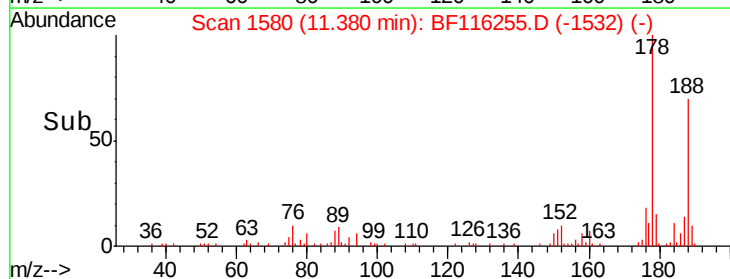
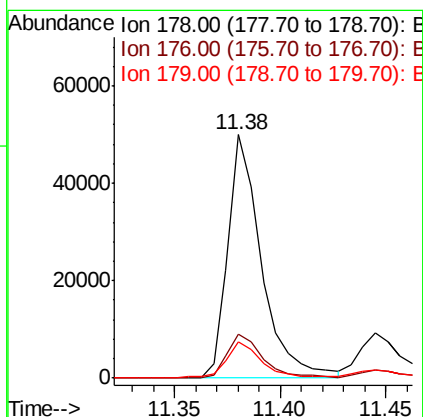
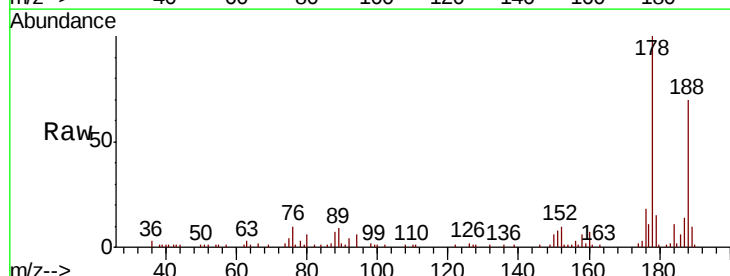
Instrument :
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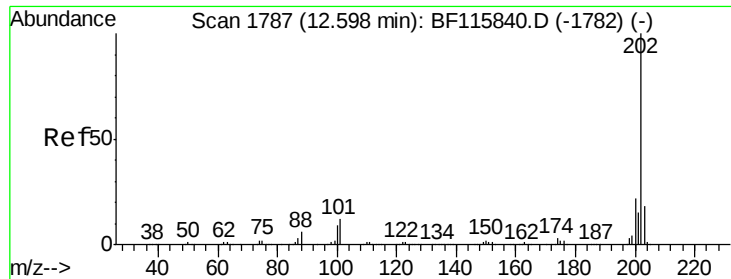
Tot Ion:188 Resp: 504576
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.1 12.1
 80 10.9 8.7 13.1



#71
 Phenanthrene
 Concen: 2.147 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF116255.D
 Acq: 14 Aug 2019 2:37

Tgt Ion:178 Resp: 55374
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.6 24.8
 179 14.9 12.5 18.7





#75

Fluoranthene

Concen: 5.417 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

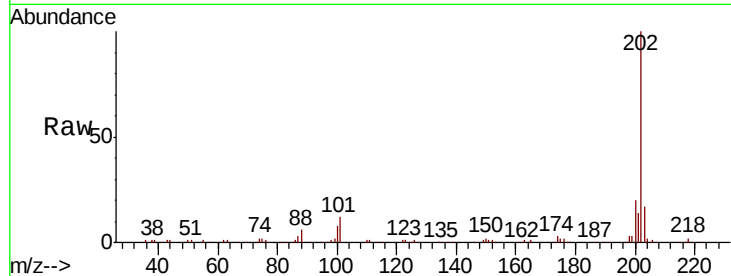
Tot Ion:202 Resp: 146290

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.2

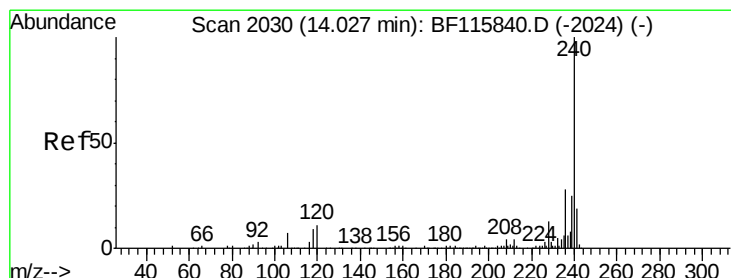
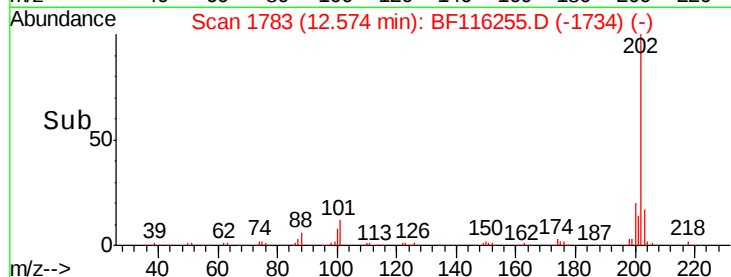
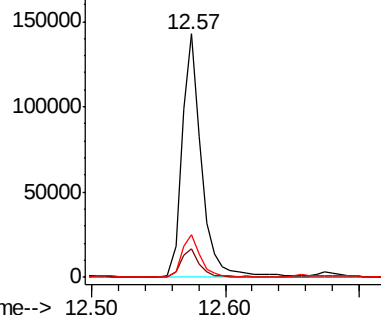
203 17.3 0.0 37.8



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: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

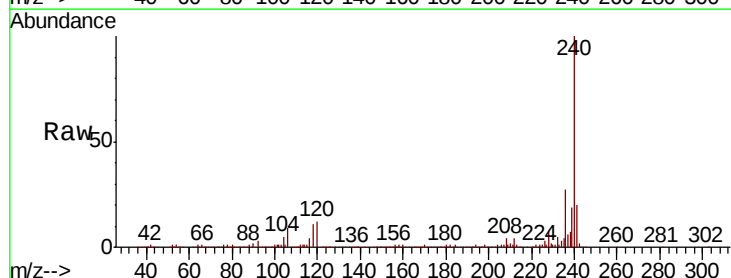
Tgt Ion:240 Resp: 369156

Ion Ratio Lower Upper

240 100

120 12.2 10.7 16.1

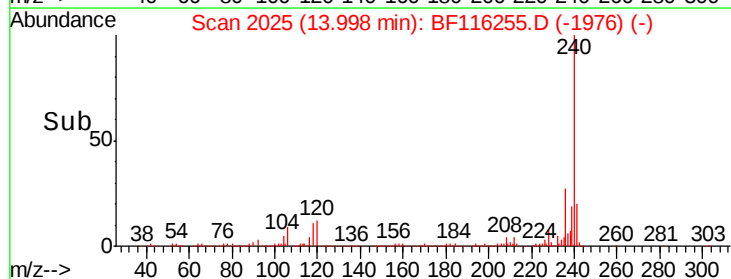
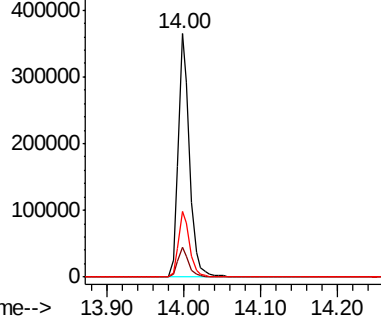
236 27.0 22.2 33.2

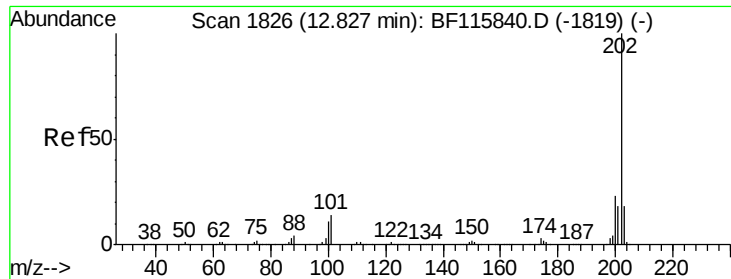


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

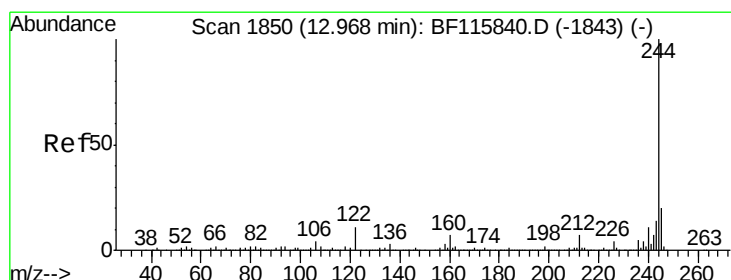
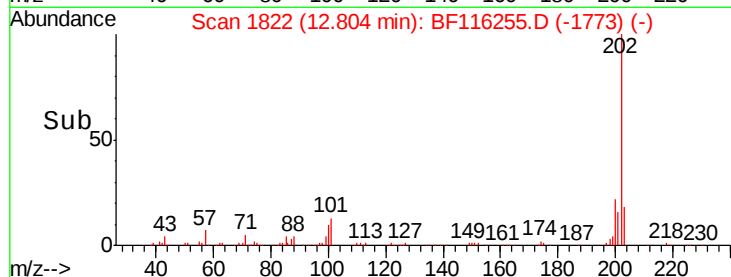
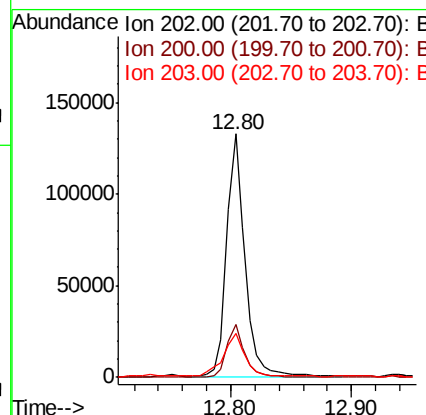
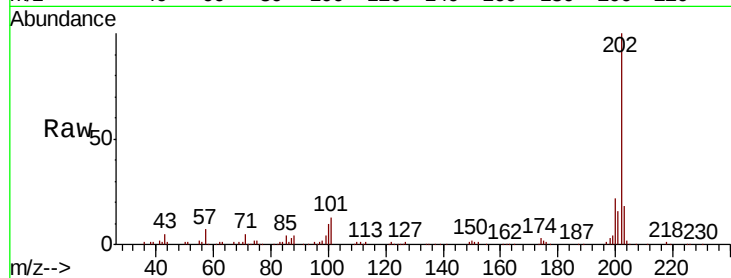




#78
Pvrene
Concen: 4.969 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

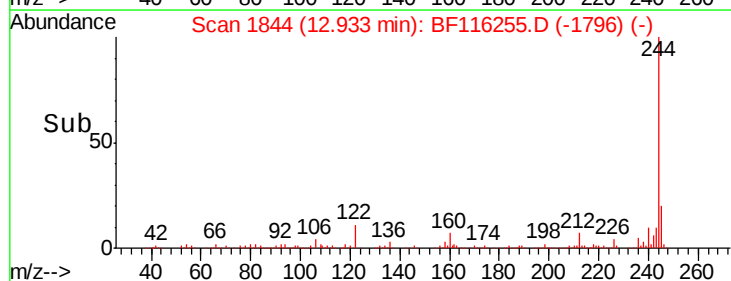
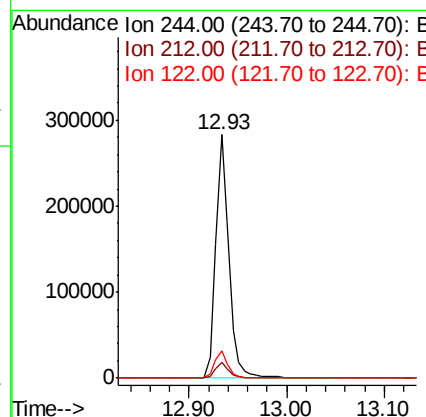
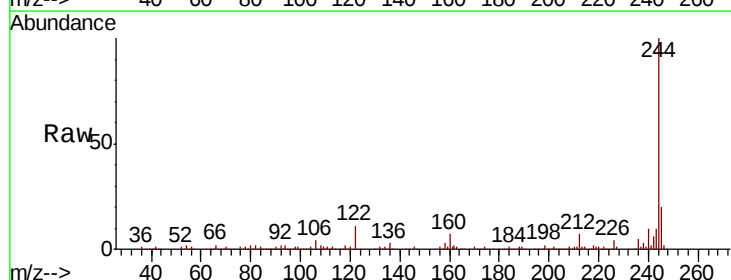
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

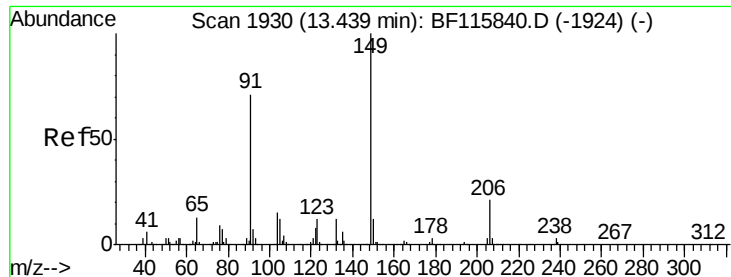
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.0	27.0
203	17.9	14.1	21.1



#79
Terphenyl-d14
Concen: 15.143 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.02 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	11.3	9.0	13.4

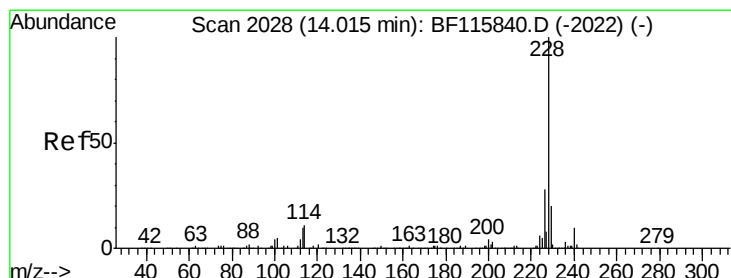
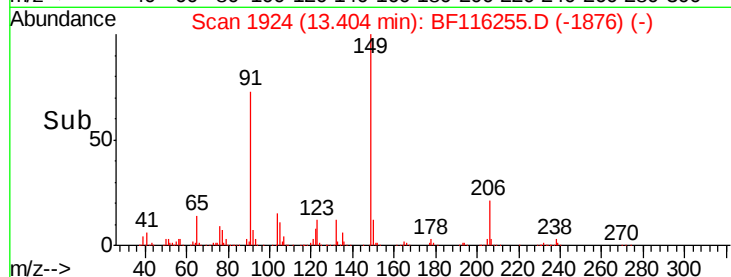
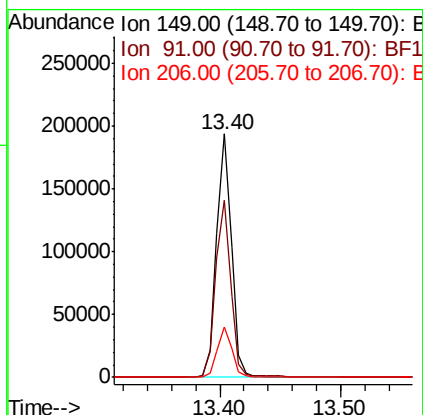
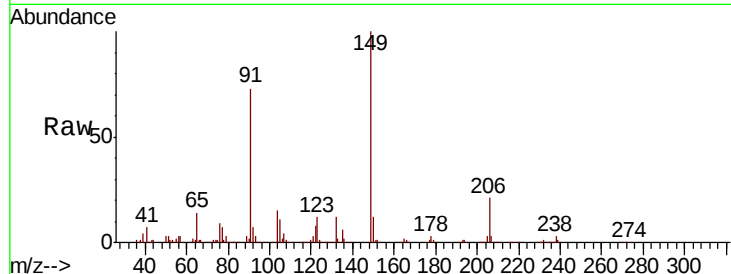




#80
Butylbenzylphthalate
Concen: 13.924 ng
RT: 13.40 min Scan# 1924
Delta R.T. -0.02 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

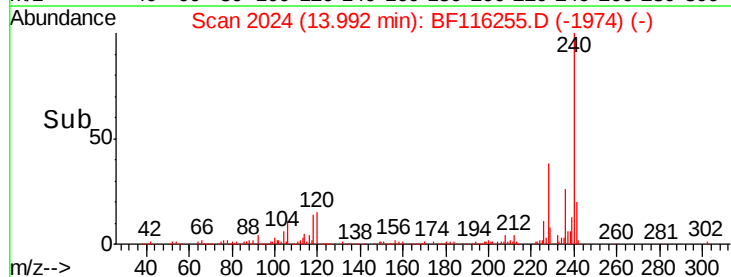
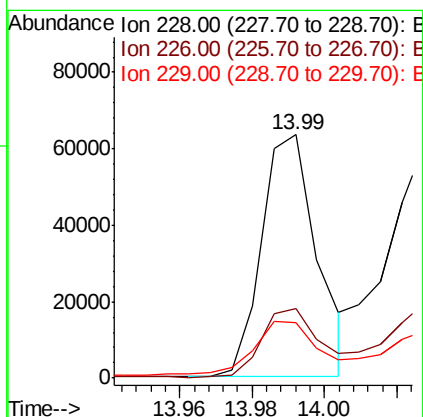
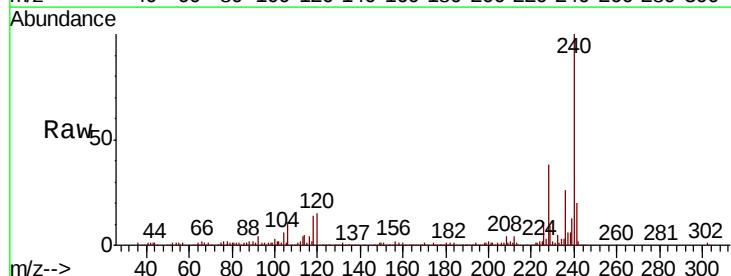
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

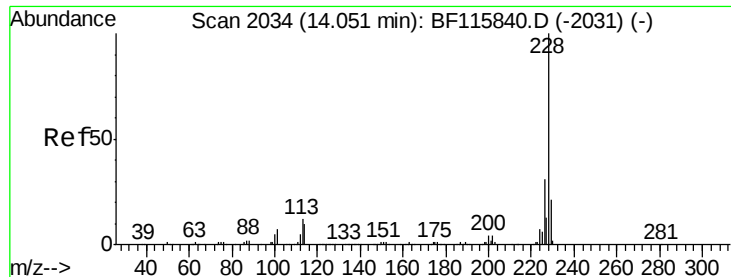
Tot Ion	Ratio	Lower	Upper
149	100		
91	72.9	56.3	84.5
206	20.6	18.0	27.0



#81
Benzo(a)anthracene
Concen: 2.857 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.7	34.1
229	22.5	16.2	24.4

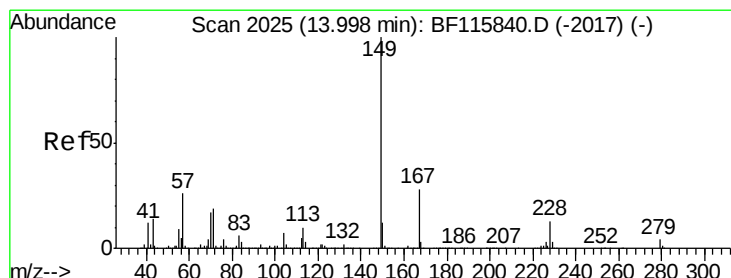
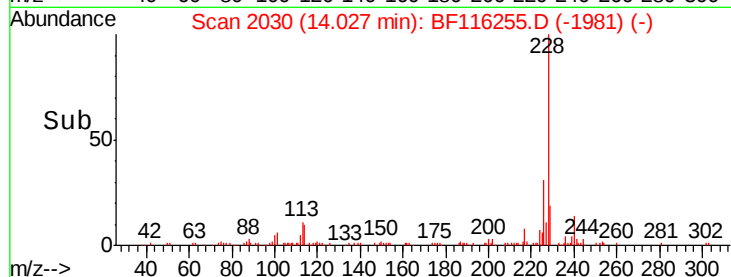
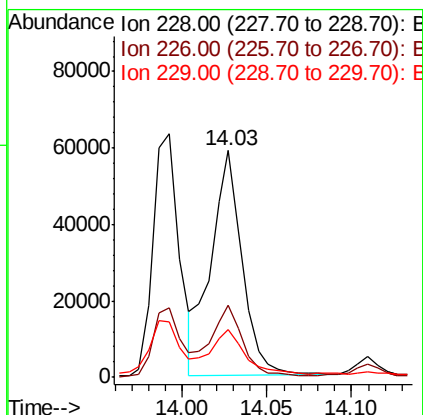
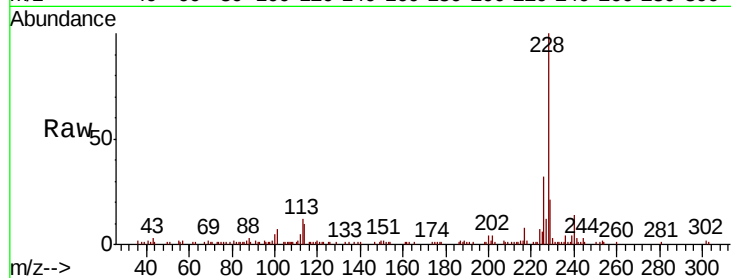




#83
 Chrysene
 Concen: 3.337 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116255.D
 Acq: 14 Aug 2019 2:37

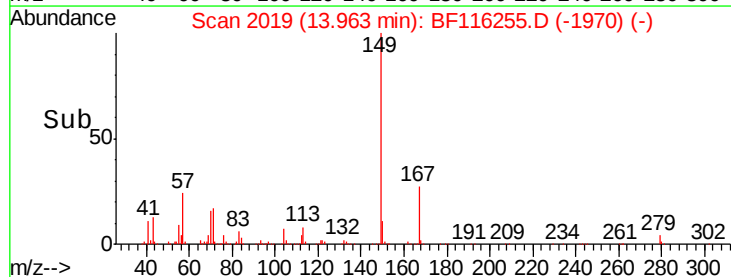
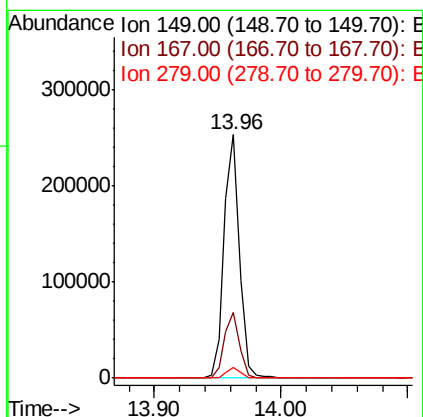
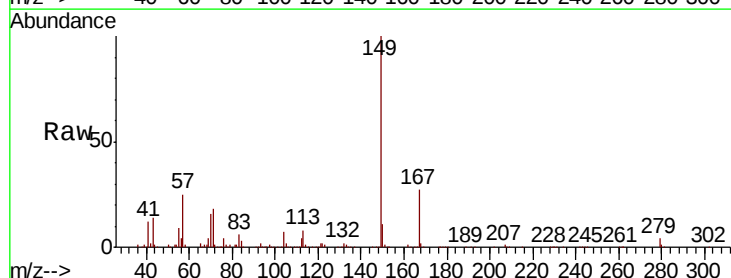
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

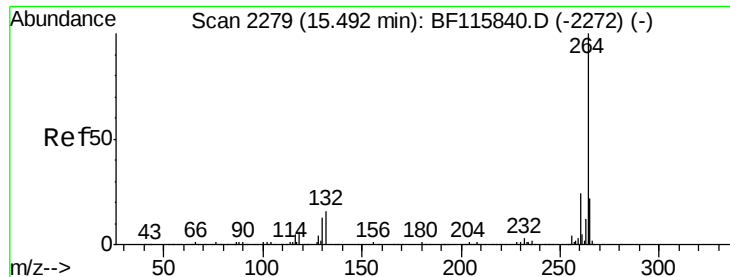
Tot Ion:228 Resp: 76430
 Ion Ratio Lower Upper
 228 100
 226 31.7 25.5 38.3
 229 20.9 16.6 24.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 13.888 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF116255.D
 Acq: 14 Aug 2019 2:37

Tgt Ion:149 Resp: 212437
 Ion Ratio Lower Upper
 149 100
 167 27.2 21.6 32.4
 279 4.2 3.0 4.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

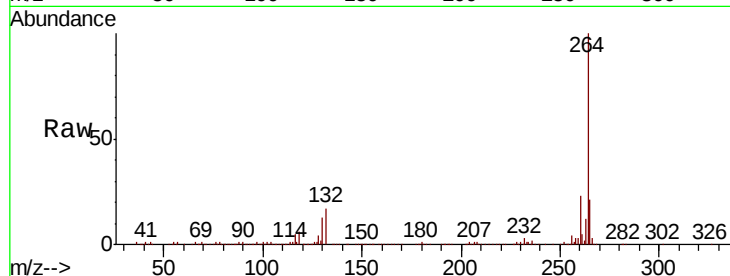
Tot Ion:264 Resp: 368994

Ion Ratio Lower Upper

264 100

260 23.5 19.7 29.5

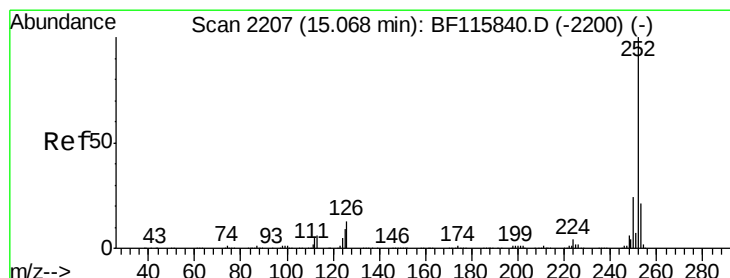
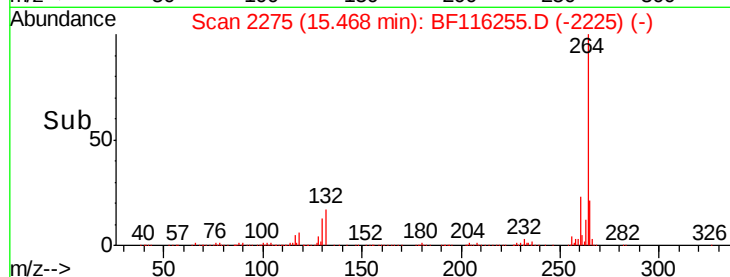
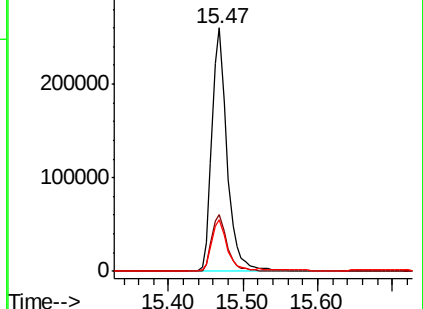
265 21.0 17.4 26.0



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: 4.021 ng m

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

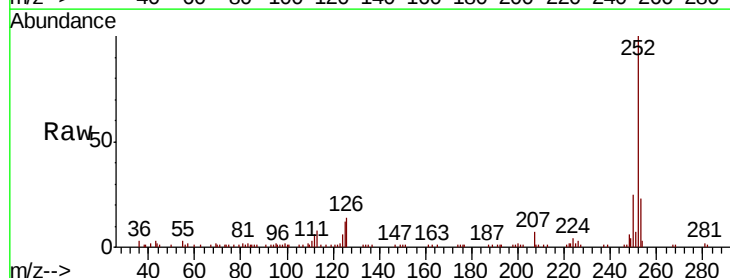
Tgt Ion:252 Resp: 85797

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

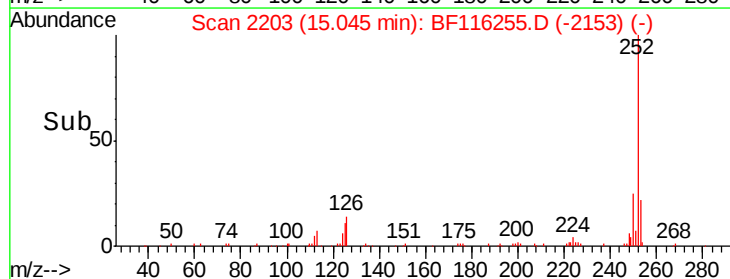
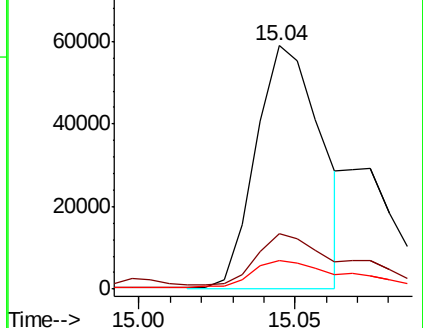
125 11.9 8.4 12.6

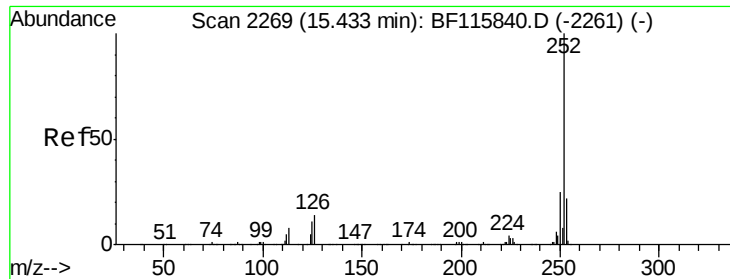


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

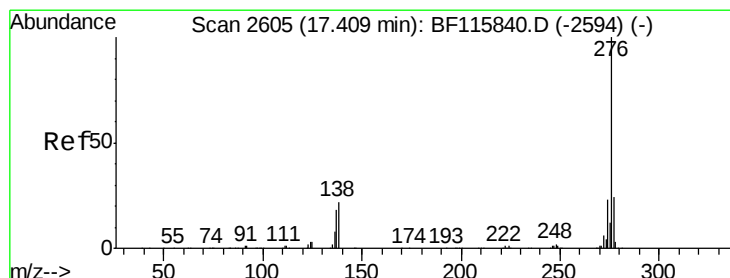
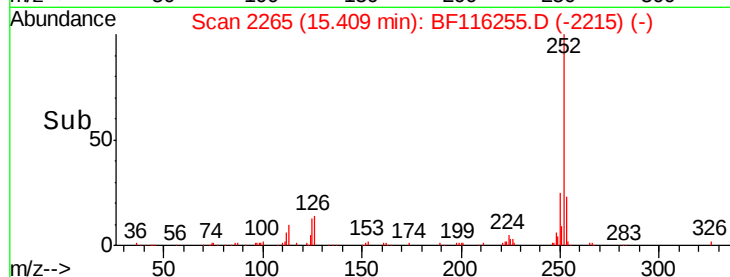
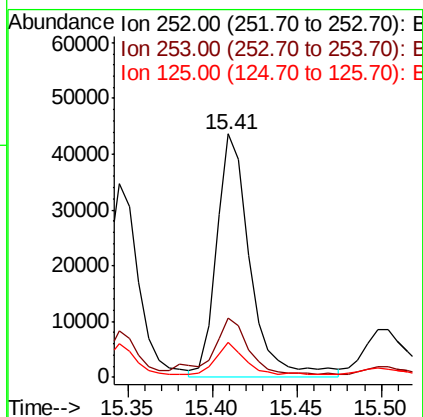
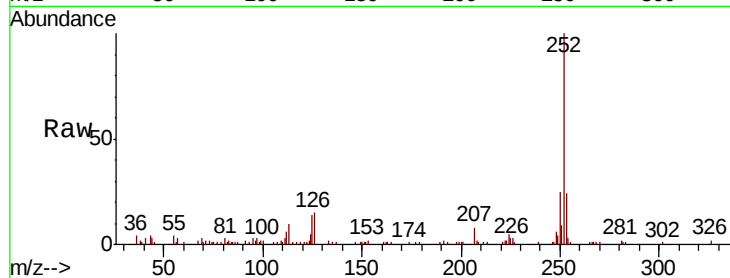




#90
Benzo(a)pyrene
Concen: 3.187 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion:252 Resp: 60777
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 14.3 8.9 13.3#



#92
Benzo(g,h,i)perylene
Concen: 2.120 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.03 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Tgt Ion:276 Resp: 34380
Ion Ratio Lower Upper
276 100
277 26.2 18.4 27.6
138 22.5 17.0 25.6

