

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082019\
 Data File : BF116454.D
 Acq On : 21 Aug 2019 2:15
 Operator : HP/JU
 Sample : K4354-01 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 21 06:57:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

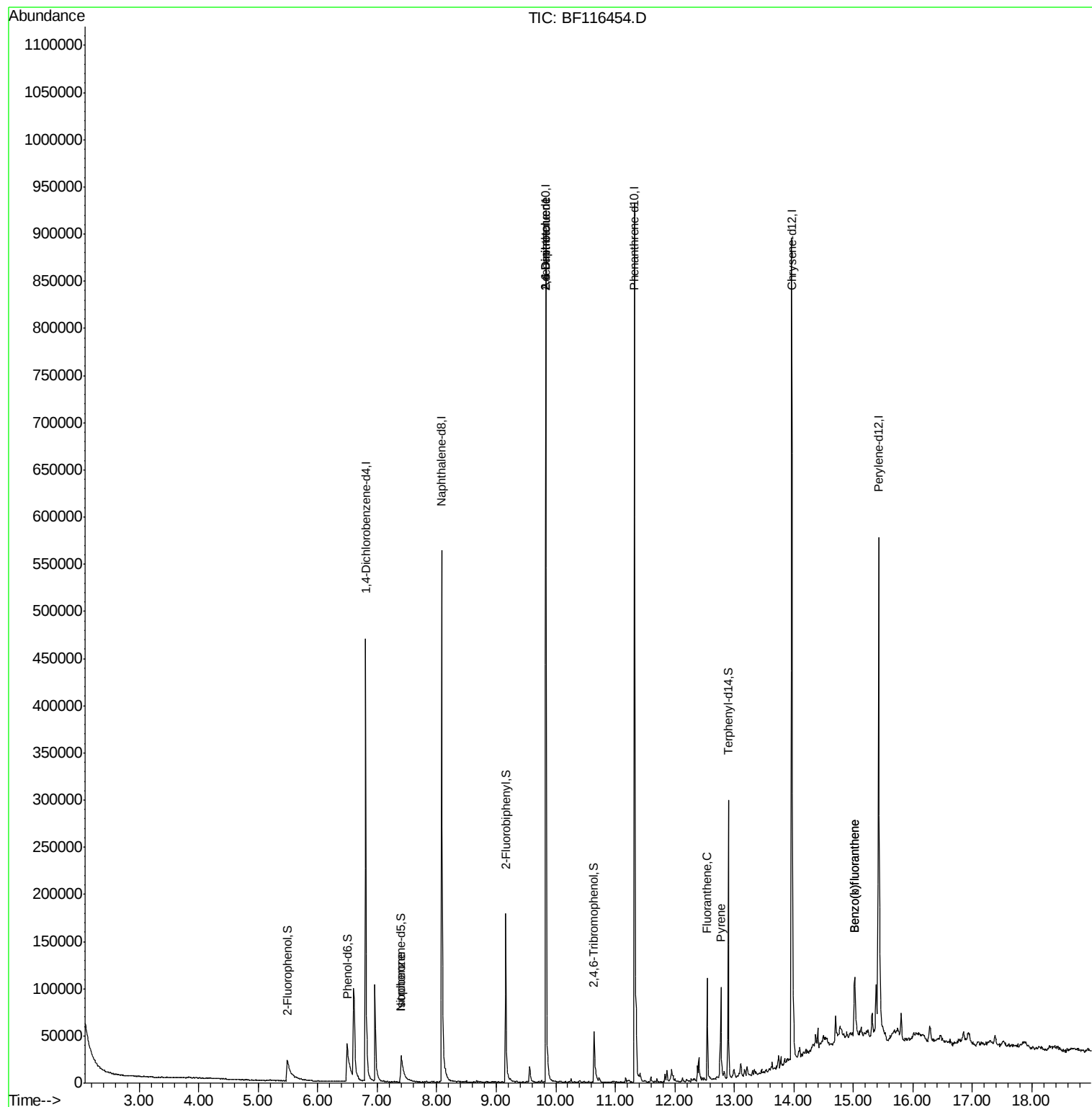
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	81598	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	341112	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	192449	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	367789	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	284852	20.00	ng	-0.02
87) Perylene-d12	15.42	264	276161	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	38124	7.82	ng	0.05
7) Phenol-d6	6.49	99	63896	10.39	ng	0.03
23) Nitrobenzene-d5	7.40	82	37978	6.43	ng	0.02
42) 2,4,6-Tribromophenol	10.65	330	15286	8.19	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	78004	7.59	ng	-0.01
79) Terphenyl-d14	12.90	244	101246	7.49	ng	-0.02
Target Compounds						
25) Isophorone	7.40	82	37978	3.361	ng	# 65
51) 2,6-Dinitrotoluene	9.83	165	23864	8.380	ng	# 28
57) 2,4-Dinitrotoluene	9.83	165	23865	6.294	ng	# 20
75) Fluoranthene	12.55	202	53575	2.722	ng	98
78) Pyrene	12.77	202	48953	2.280	ng	98
88) Benzo(b)fluoranthene	15.02	252	32341	2.025	ng	# 93
89) Benzo(k)fluoranthene	15.02	252	32341	2.079	ng	# 92

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

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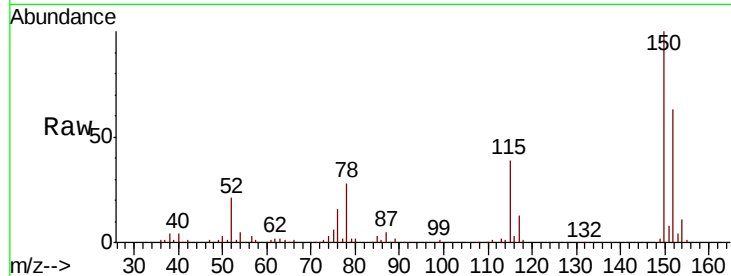


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF116454.D
 Acq: 21 Aug 2019 2:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.2	189.2
115	62.2	49.9	74.9

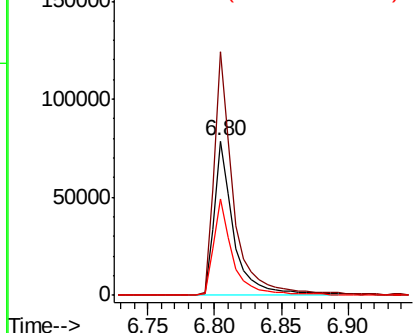
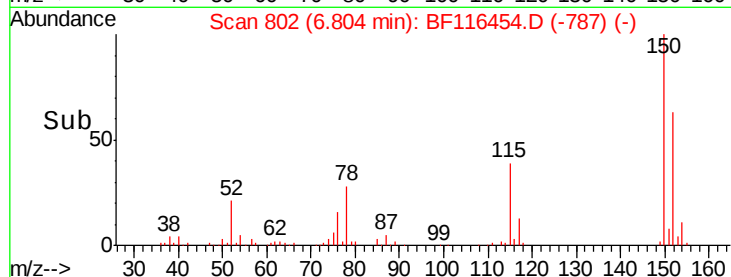


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

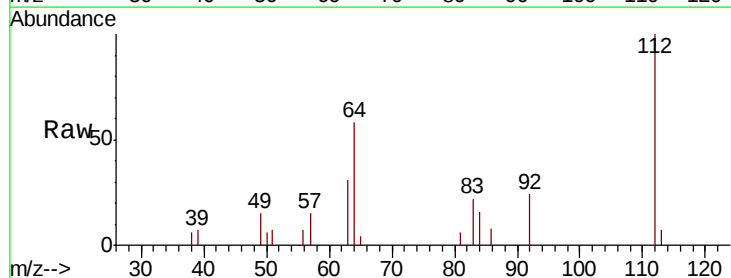
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 7.822 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.05 min
 Lab File: BF116454.D
 Acq: 21 Aug 2019 2:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	45.4	68.2
63	30.5	23.7	35.5

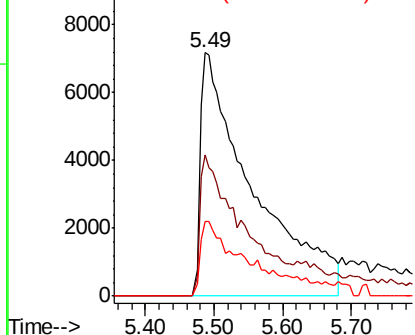
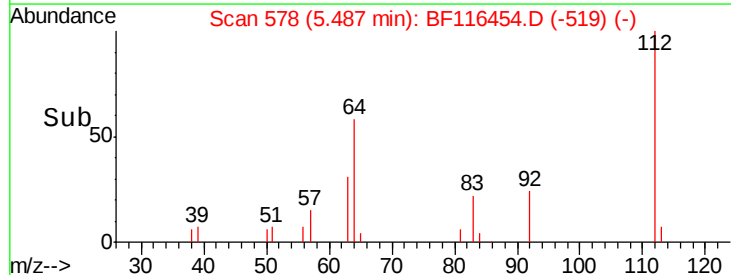


Abundance

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: 10.390 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.03 min

Lab File: BF116454.D

Acq: 21 Aug 2019 2:15

Instrument :

BNA_F

ClientSampleId :

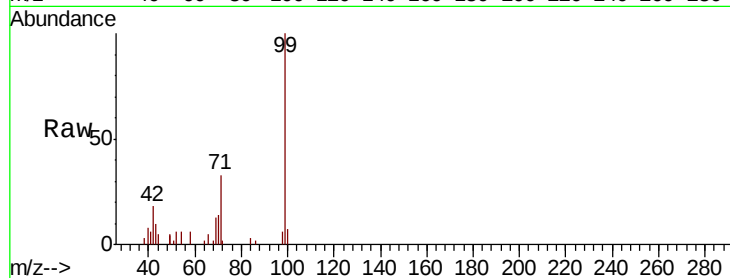
Tot Ion: 99 Resp: 63896

Ion Ratio Lower Upper

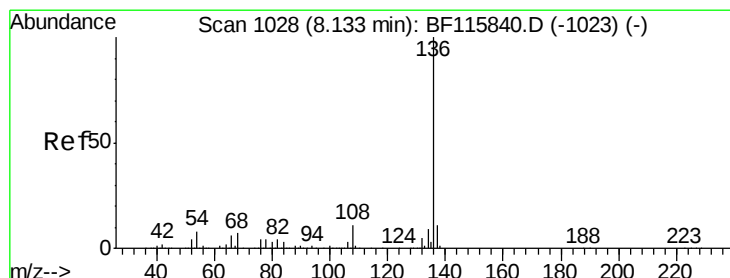
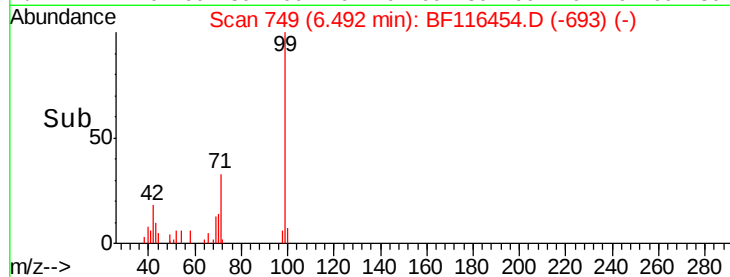
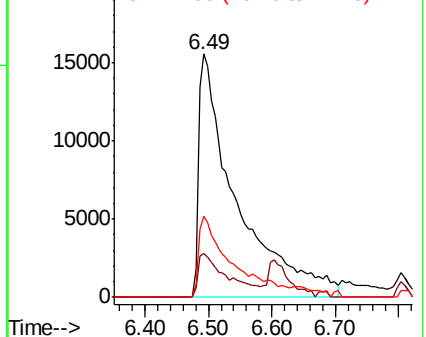
99 100

42 18.1 13.8 20.8

71 33.1 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: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF116454.D

Acq: 21 Aug 2019 2:15

Tgt Ion: 136 Resp: 341112

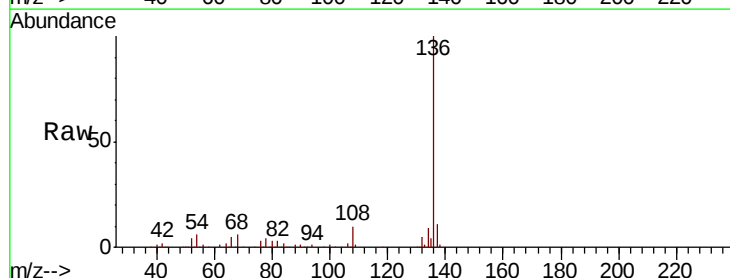
Ion Ratio Lower Upper

136 100

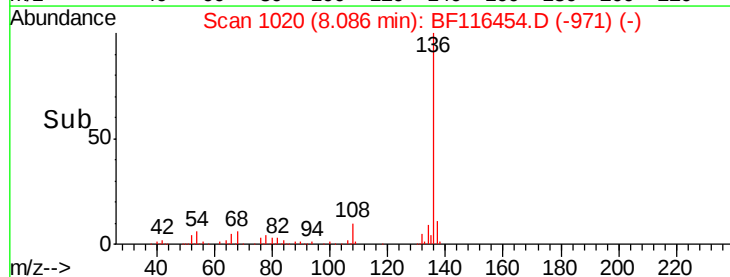
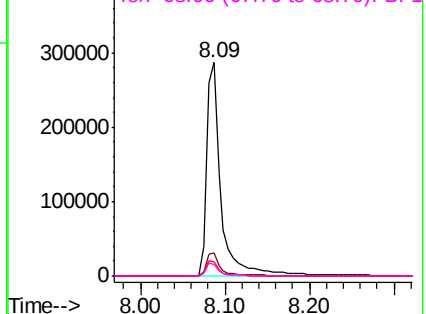
137 10.8 9.0 13.4

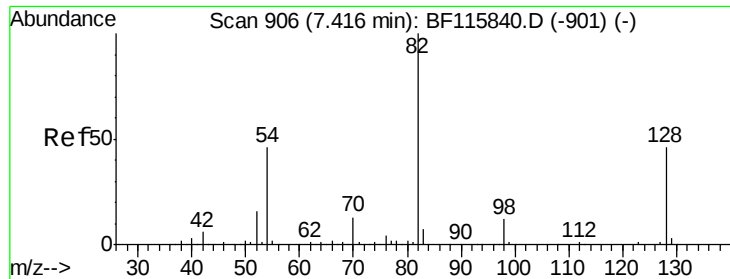
54 6.5 5.8 8.6

68 5.6 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

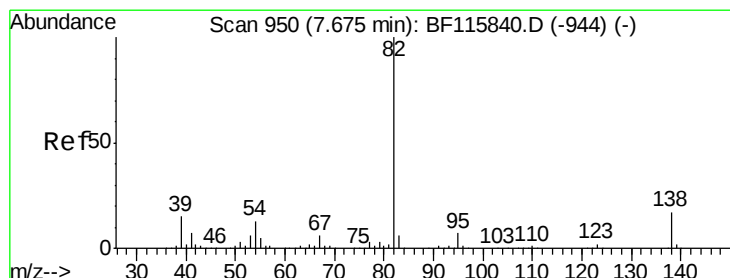
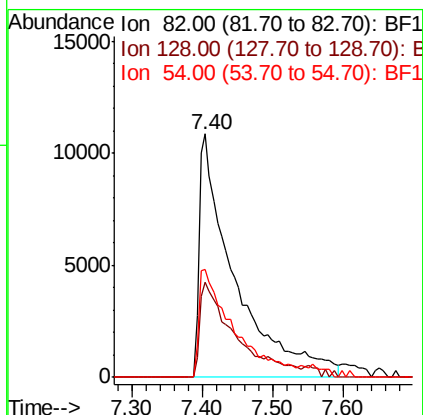
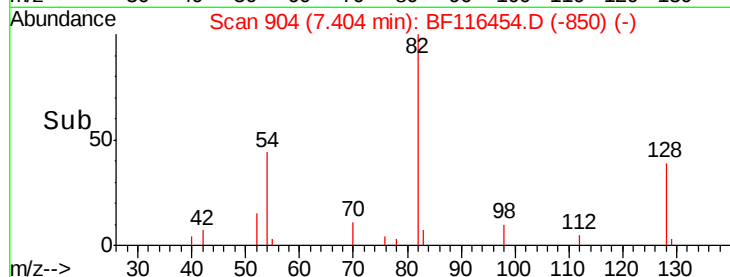
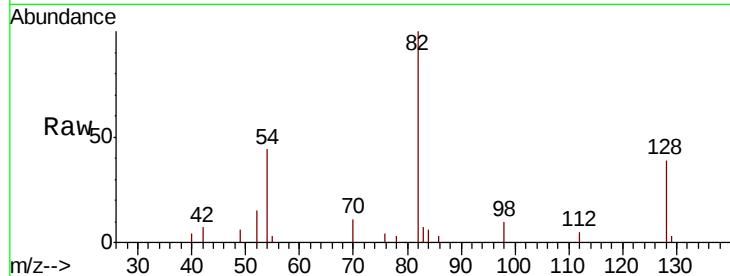




#23
Nitrobenzene-d5
Concen: 6.427 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.02 min
Lab File: BF116454.D
Acq: 21 Aug 2019 2:15

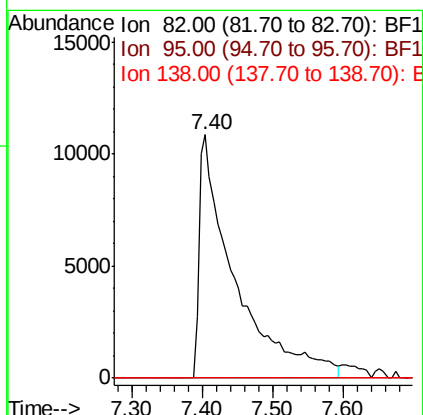
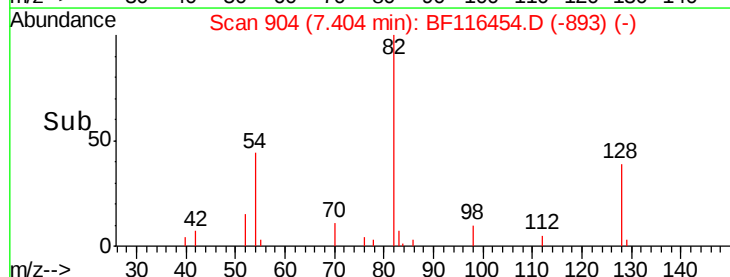
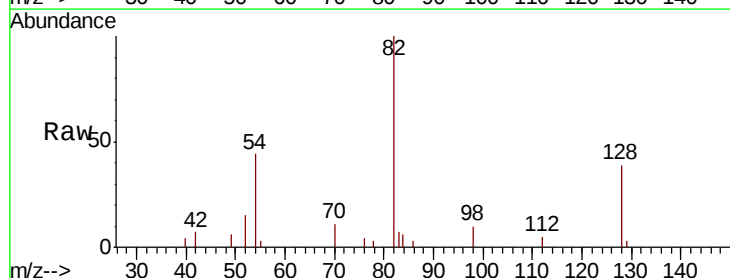
Instrument :
BNA_F
ClientSampleId :

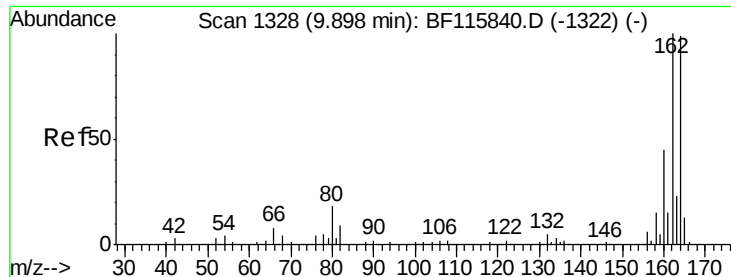
Tot Ion: 82 Resp: 37978
Ion Ratio Lower Upper
82 100
128 39.1 36.5 54.7
54 44.3 36.0 54.0



#25
Isophorone
Concen: 3.361 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.24 min
Lab File: BF116454.D
Acq: 21 Aug 2019 2:15

Tgt Ion: 82 Resp: 37978
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.5 21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF116454.D

Acq: 21 Aug 2019 2:15

Instrument :

BNA_F

ClientSampleId :

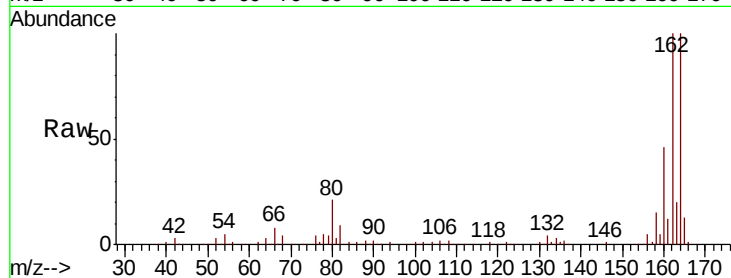
Tot Ion:164 Resp: 192449

Ion Ratio Lower Upper

164 100

162 99.8 82.6 124.0

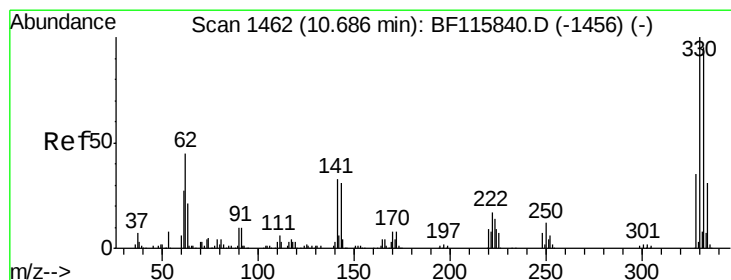
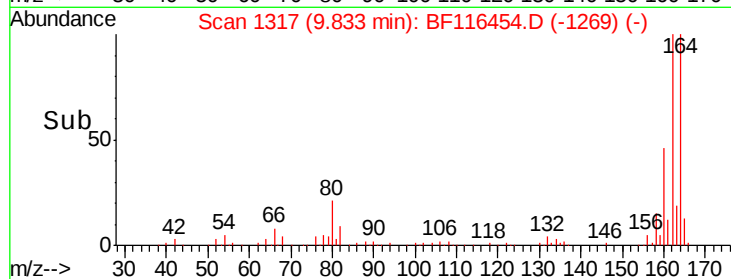
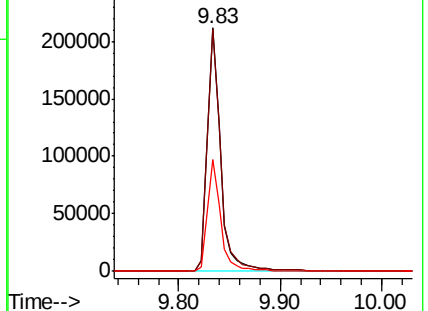
160 46.0 37.6 56.4



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: 8.193 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BF116454.D

Acq: 21 Aug 2019 2:15

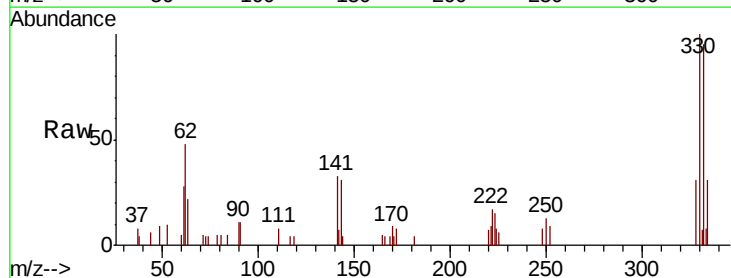
Tgt Ion:330 Resp: 15286

Ion Ratio Lower Upper

330 100

332 96.3 76.8 115.2

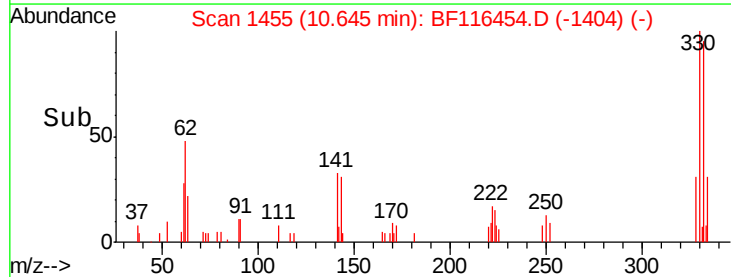
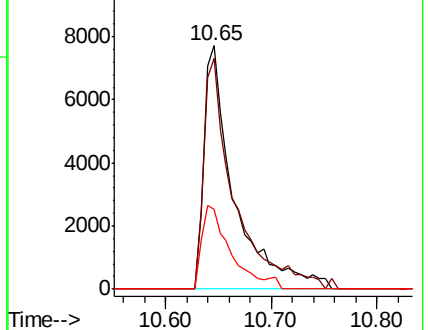
141 33.1 26.3 39.5



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

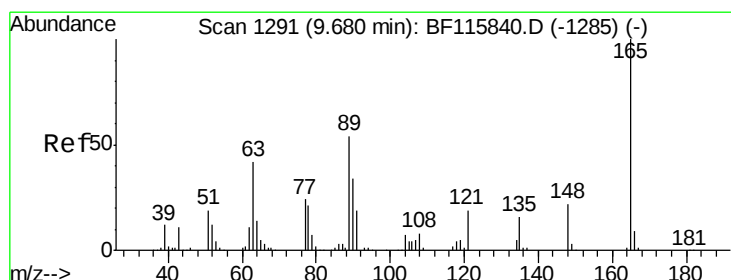
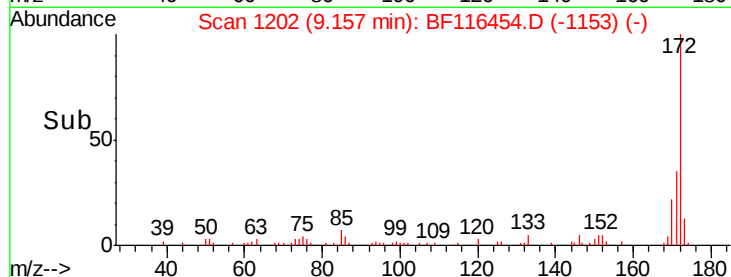
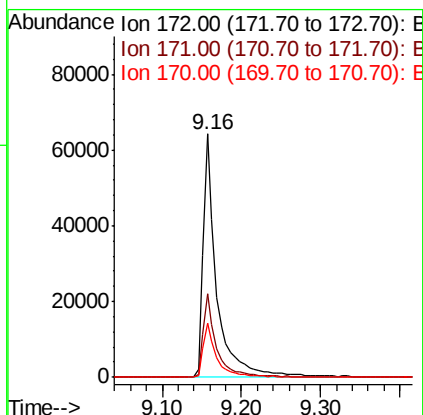
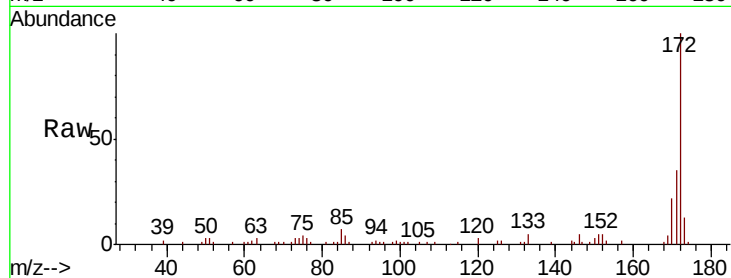




#45
 2-Fluorobiphenyl
 Concen: 7.592 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF116454.D
 Acq: 21 Aug 2019 2:15

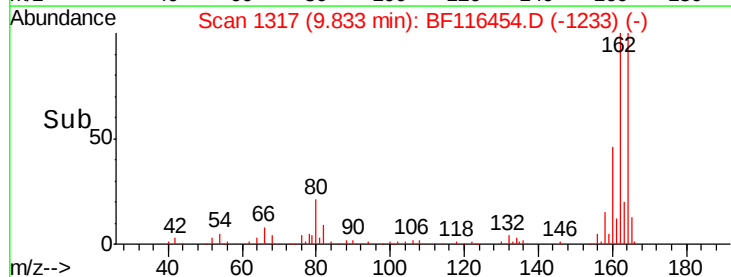
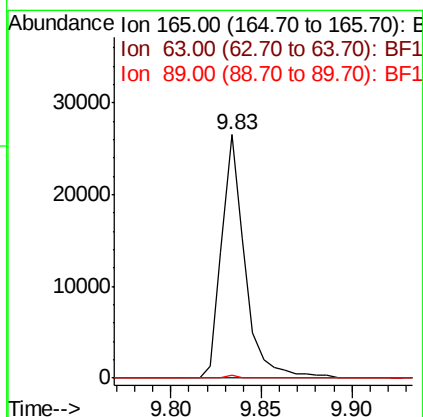
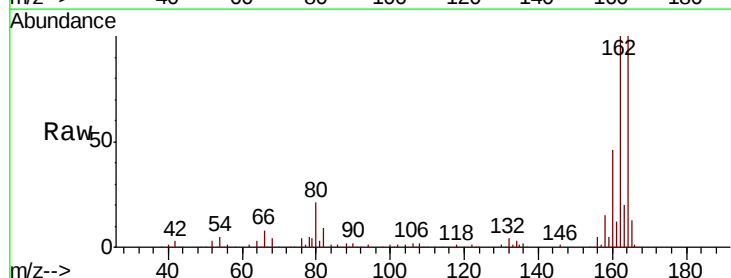
Instrument :
 BNA_F
 ClientSampleId :

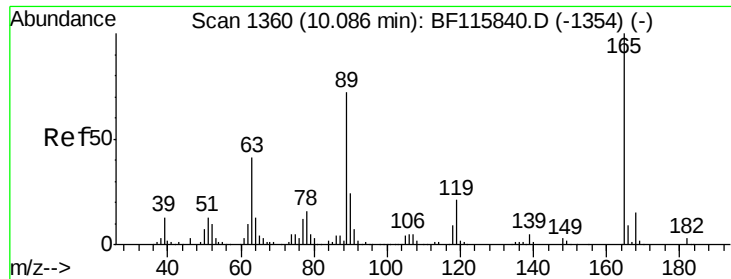
Tot Ion:172 Resp: 78004
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.6 44.4
 170 22.4 20.1 30.1



#51
 2,6-Dinitrotoluene
 Concen: 8.380 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.19 min
 Lab File: BF116454.D
 Acq: 21 Aug 2019 2:15

Tgt Ion:165 Resp: 23864
 Ion Ratio Lower Upper
 165 100
 63 0.0 38.2 57.2#
 89 1.4 42.9 64.3#

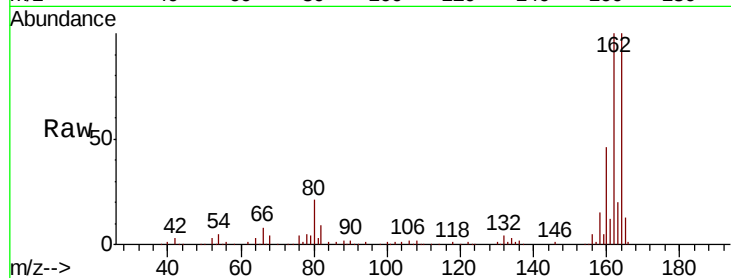




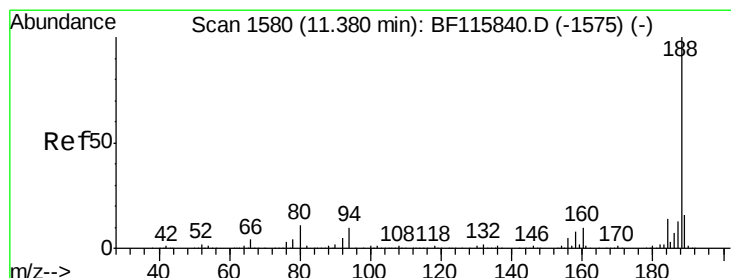
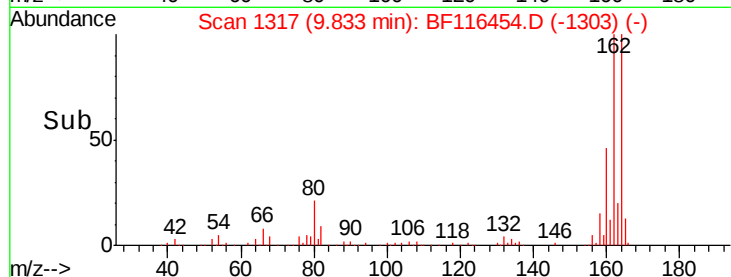
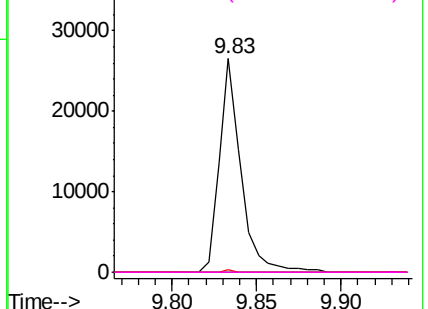
#57
 2,4-Dinitrotoluene
 Concen: 6.294 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.22 min
 Lab File: BF116454.D
 Acq: 21 Aug 2019 2:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	23865
Ion Ratio	Lower	Upper	
165	100		
63	0.0	39.6	59.4#
89	1.4	62.2	93.2#
182	0.0	2.1	3.1#

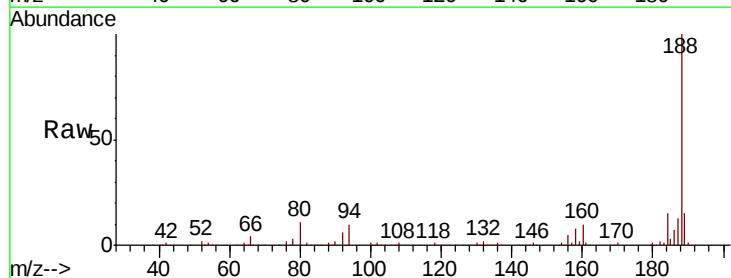


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

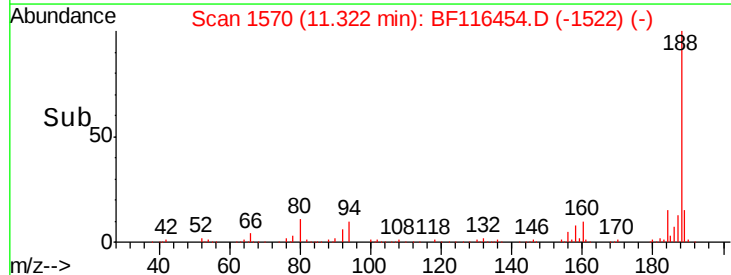
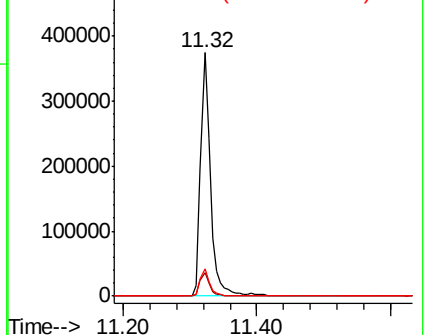


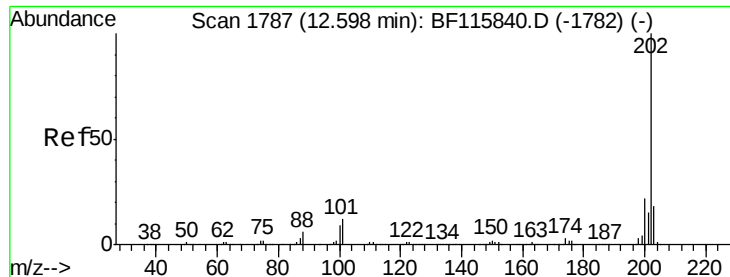
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF116454.D
 Acq: 21 Aug 2019 2:15

Tgt Ion:	188	Resp:	367789
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.1	12.1
80	11.0	8.7	13.1



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





#75

Fluoranthene

Concen: 2.722 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF116454.D

Acq: 21 Aug 2019 2:15

Instrument :

BNA_F

ClientSampleId :

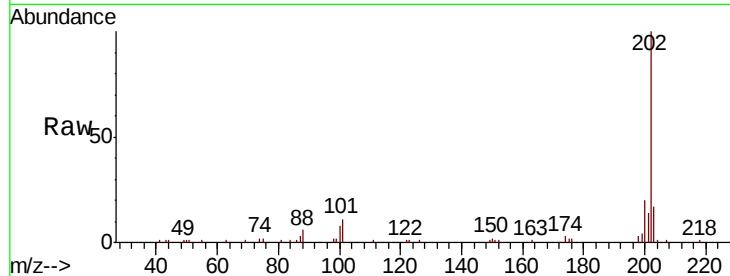
Tot Ion:202 Resp: 53575

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.2

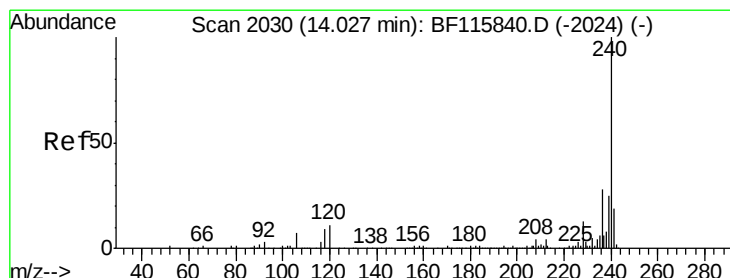
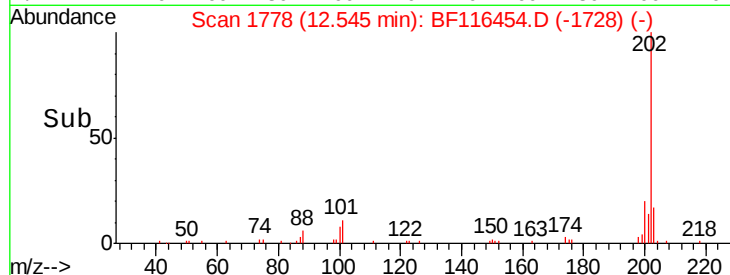
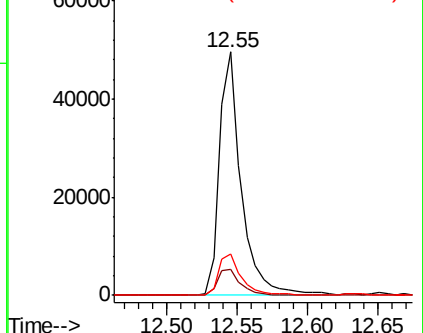
203 16.8 0.0 37.8



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: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF116454.D

Acq: 21 Aug 2019 2:15

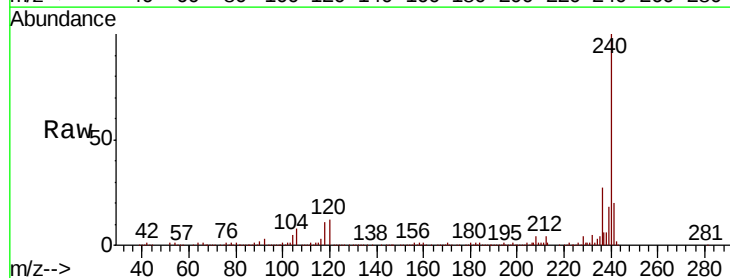
Tgt Ion:240 Resp: 284852

Ion Ratio Lower Upper

240 100

120 12.3 10.7 16.1

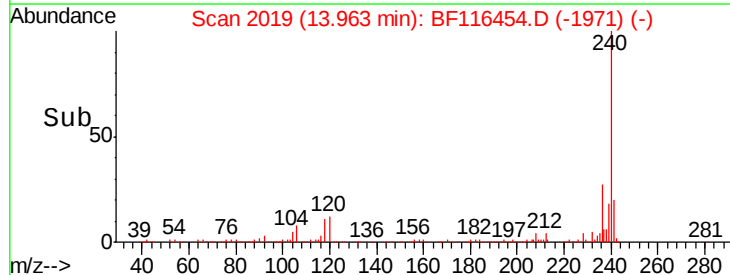
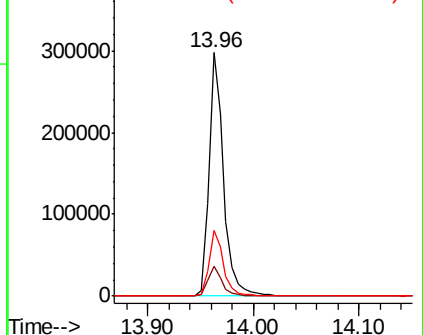
236 26.9 22.2 33.2

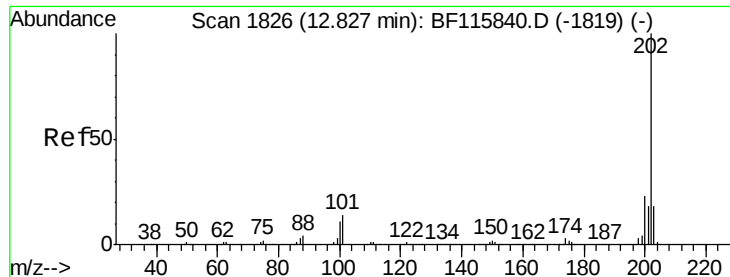


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

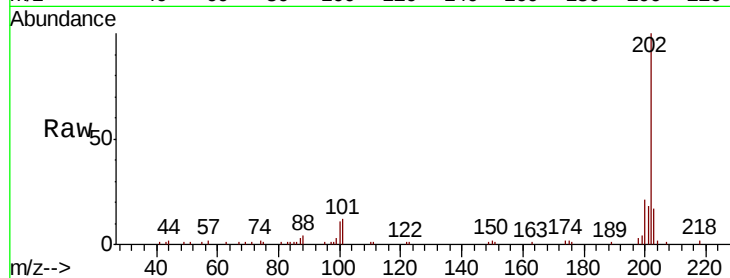




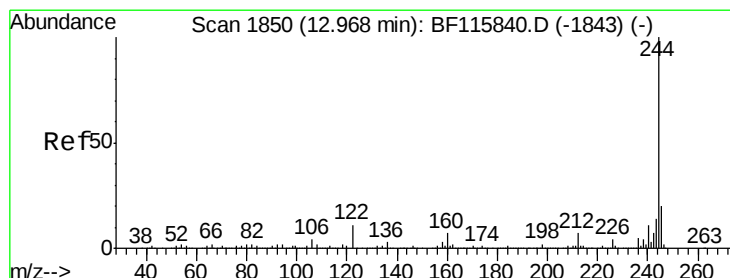
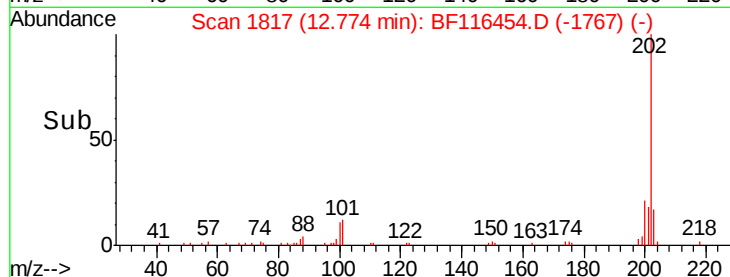
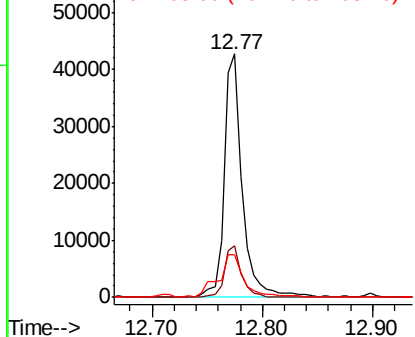
#78
Pvrene
Concen: 2.280 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF116454.D
Acq: 21 Aug 2019 2:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.0	27.0
203	17.5	14.1	21.1

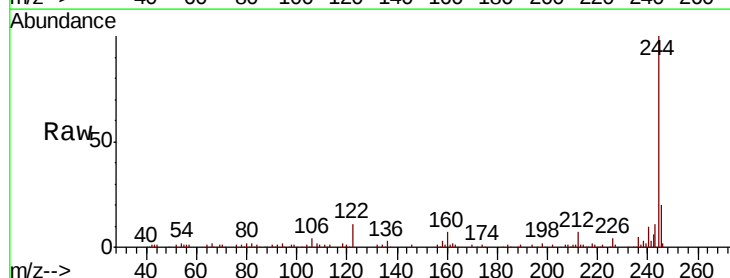


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

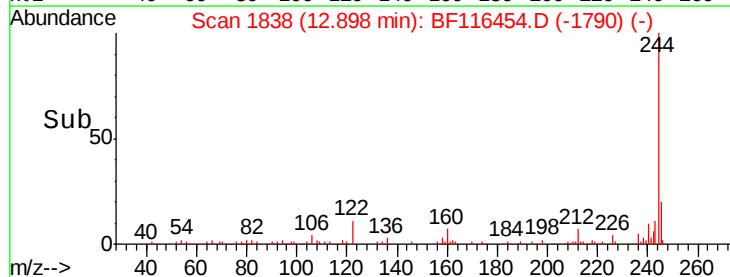
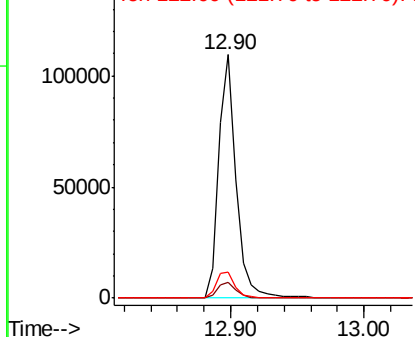


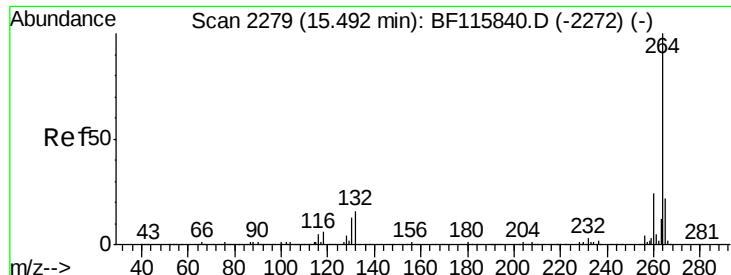
#79
Terphenyl-d14
Concen: 7.490 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.02 min
Lab File: BF116454.D
Acq: 21 Aug 2019 2:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	10.6	9.0	13.4



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF116454.D

Acq: 21 Aug 2019 2:15

Instrument :

BNA_F

ClientSampleId :

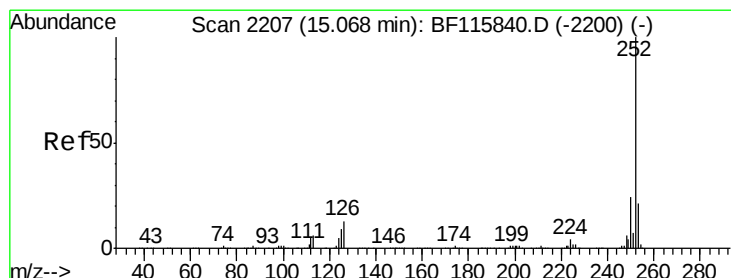
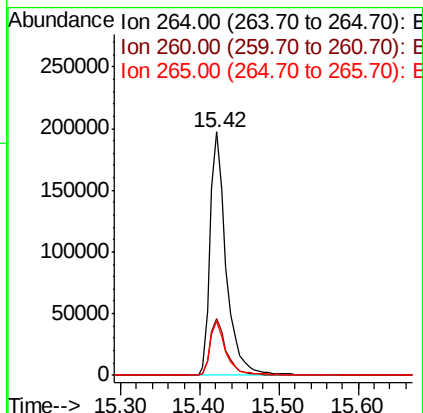
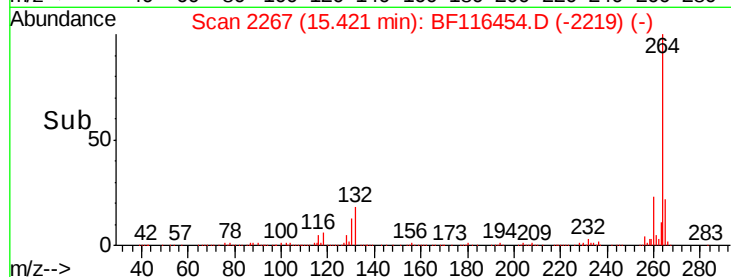
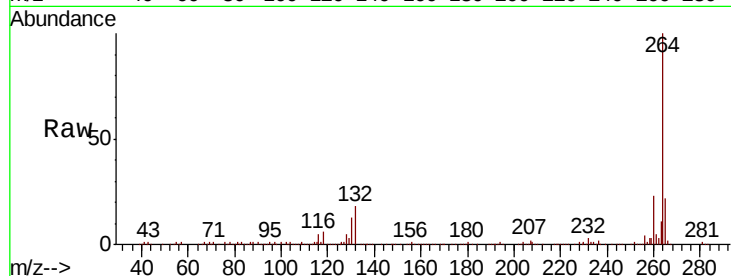
Tot Ion:264 Resp: 276161

Ion Ratio Lower Upper

264 100

260 23.4 19.7 29.5

265 22.0 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 2.025 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.00 min

Lab File: BF116454.D

Acq: 21 Aug 2019 2:15

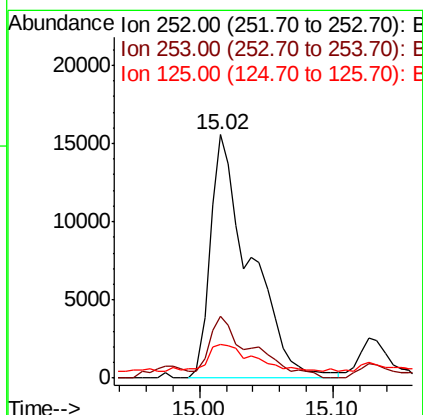
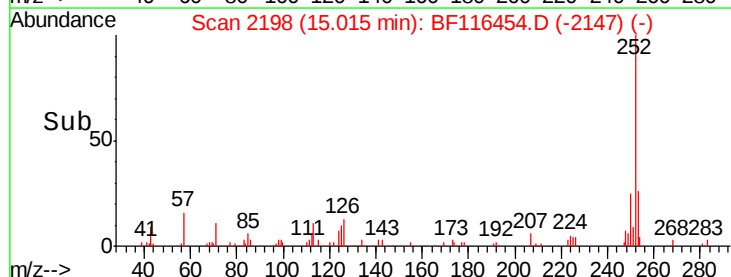
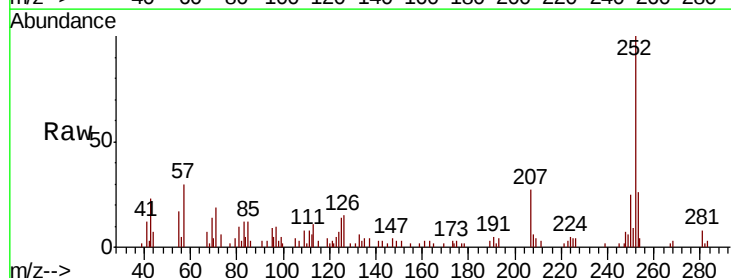
Tgt Ion:252 Resp: 32341

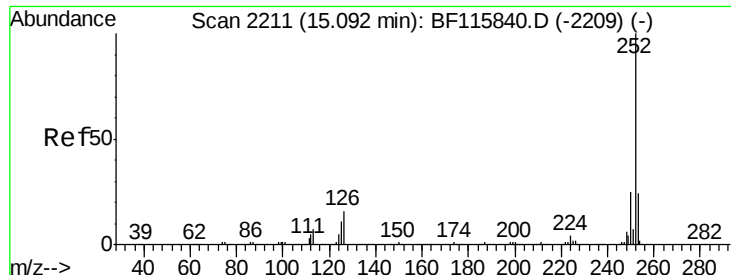
Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.8

125 13.9 8.4 12.6#

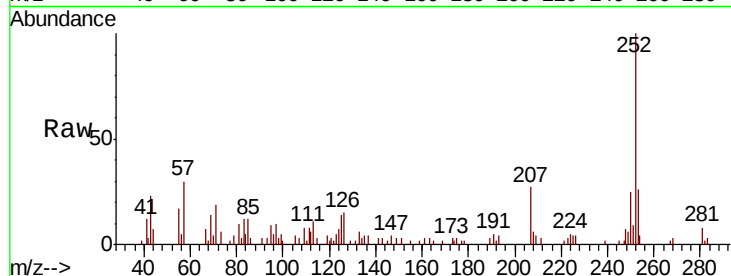




#89
 Benzo(k)fluoranthene
 Concen: 2.079 ng
 RT: 15.02 min Scan# 2198
 Delta R.T. -0.02 min
 Lab File: BF116454.D
 Acq: 21 Aug 2019 2:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.8	26.8
125	13.9	7.7	11.5



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

