

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070519\
 Data File : BF115394.D
 Acq On : 5 Jul 2019 17:43
 Operator : HP/JU
 Sample : K3622-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-070319-A

Manual Integrations
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 7/8/2019 2:13:01 PM

Quant Time: Jul 06 05:52:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 14:57:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	164233	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	660649	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	323365	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	562215	20.00	ng	0.00
76) Chrysene-d12	14.05	240	384389	20.00	ng	-0.02
87) Perylene-d12	15.52	264	371394	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	476323	44.81	ng	-0.01
7) Phenol-d6	6.51	99	646516	47.82	ng	-0.01
23) Nitrobenzene-d5	7.45	82	381609	34.13	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	159337	44.57	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	750242	40.71	ng	0.00
79) Terphenyl-d14	12.99	244	691777	36.85	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.79	152	66865	2.102	ng	99
50) Dimethylphthalate	9.64	163	83395	3.436	ng	99
58) Fluorene	10.47	166	69022	3.105	ng	99
71) Phenanthrene	11.43	178	516471	17.467	ng	99
72) Anthracene	11.49	178	162839	5.492	ng	97
75) Fluoranthene	12.62	202	843479	27.093	ng	100
78) Pyrene	12.85	202	813400	27.211	ng	99
81) Benzo(a)anthracene	14.04	228	469600	19.067	ng	96
83) Chrysene	14.07	228	419162	16.564	ng	97
86) Indeno(1,2,3-cd)pyrene	17.00	276	186568	3.577	ng	# 100
88) Benzo(b)fluoranthene	15.09	252	533245m	22.052	ng	
89) Benzo(k)fluoranthene	15.12	252	154375m	7.179	ng	
90) Benzo(a)pyrene	15.46	252	359903	17.256	ng	99
92) Benzo(a,h,i)perylene	17.44	276	164369	9.744	ng	97

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

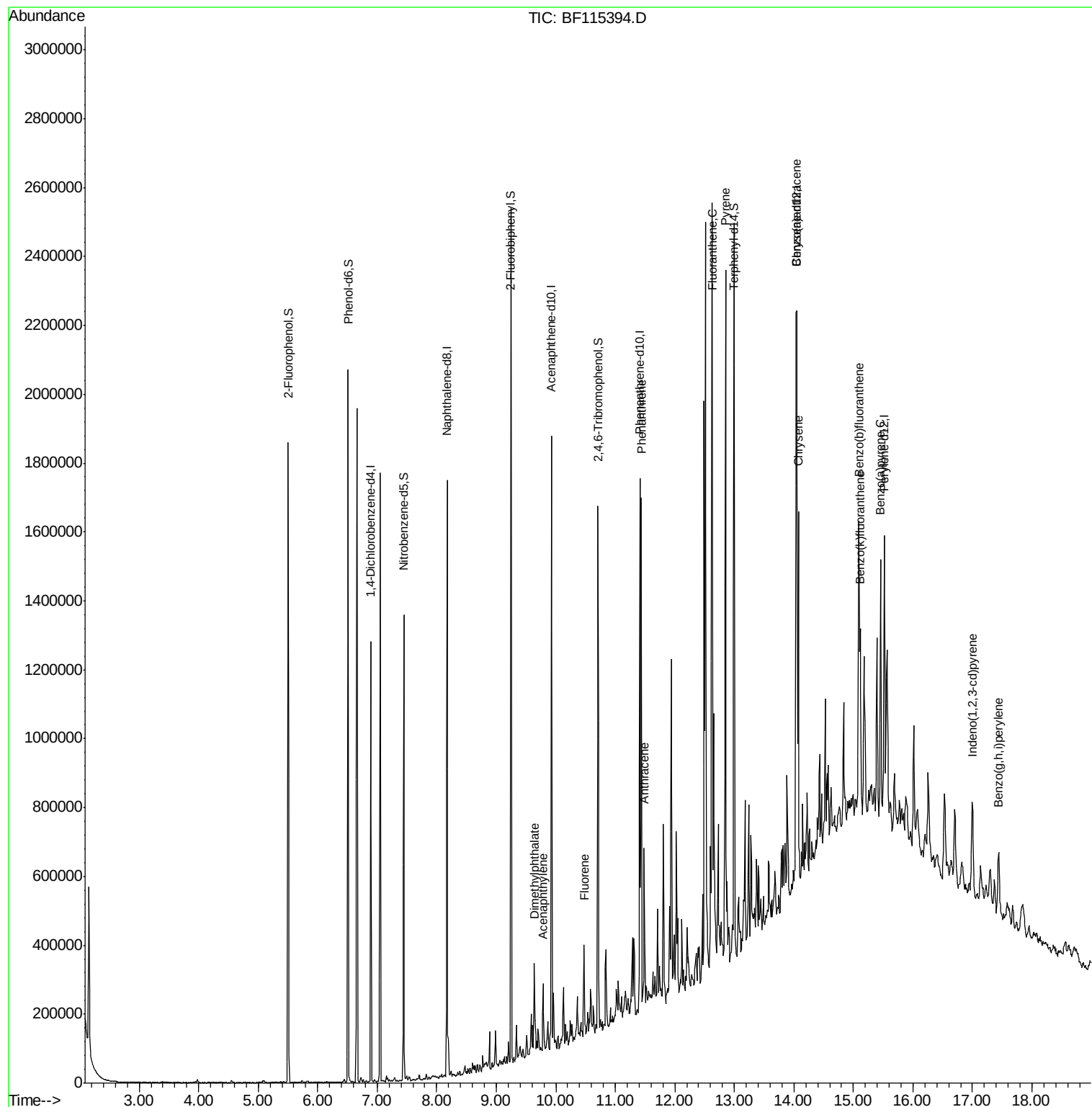
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070519\
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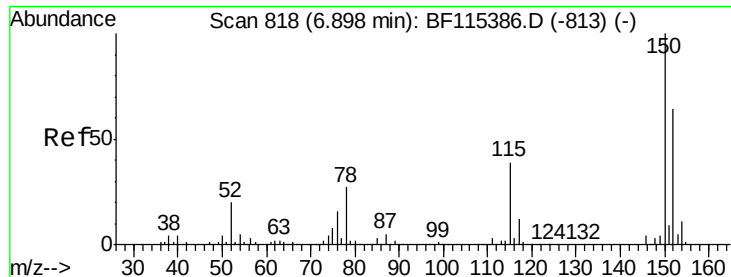
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
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#1

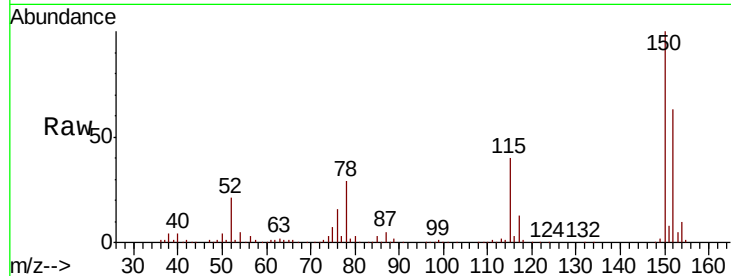
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115394.D
Acq: 5 Jul 2019 17:43

Instrument :
BNA_F
ClientSampleId :
OR-02-070319-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.7	187.1
115	62.7	48.1	72.1

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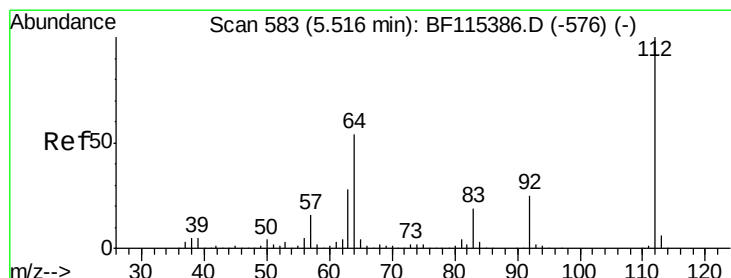
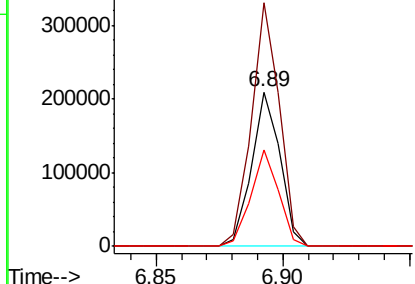
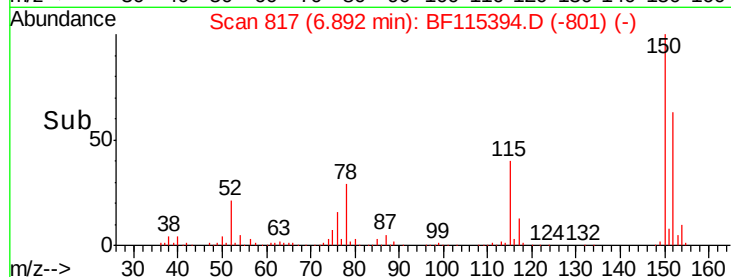


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

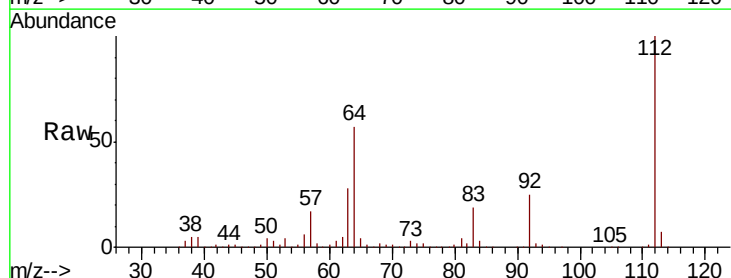
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.810 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.01 min
Lab File: BF115394.D
Acq: 5 Jul 2019 17:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	43.0	64.6
63	28.4	22.2	33.2

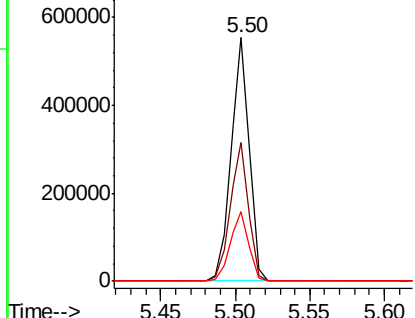
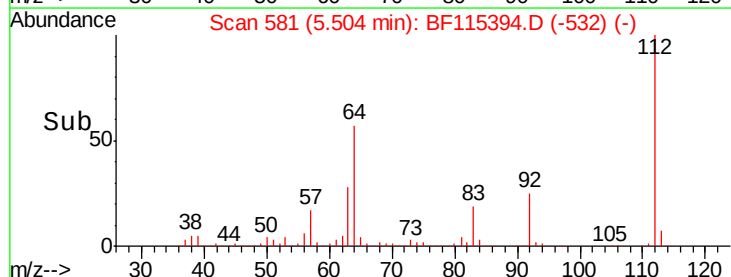


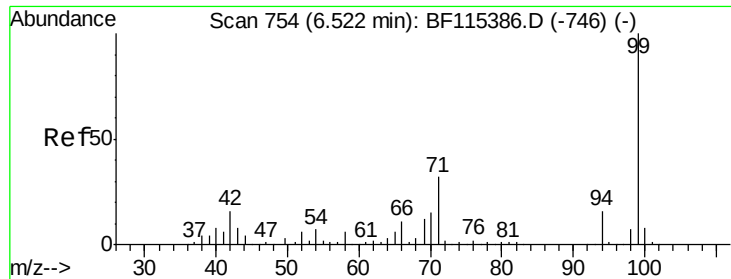
Abundance

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: 47.823 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115394.D

Acq: 5 Jul 2019 17:43

Instrument :

BNA_F

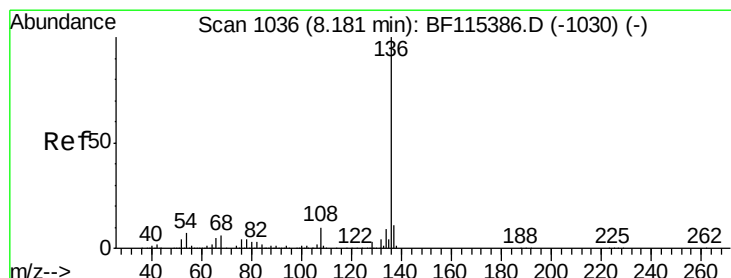
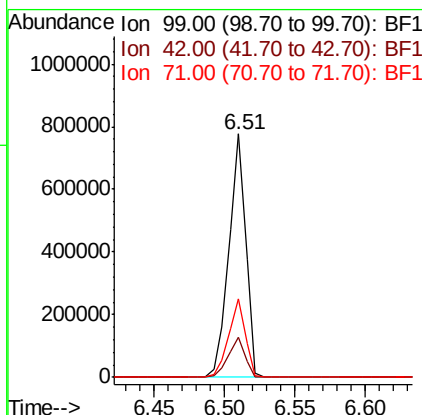
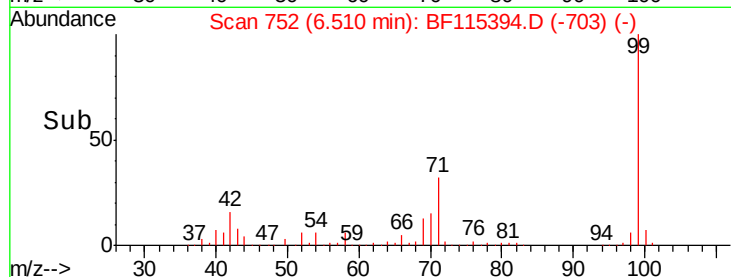
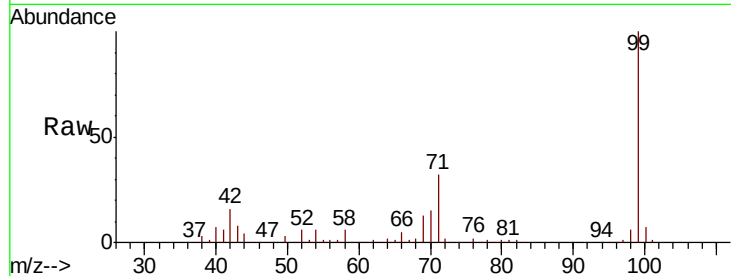
ClientSampleId :

OR-02-070319-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		646516		
42	16.4	13.1	19.7		
71	32.3	25.9	38.9		

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#21

Naphthalene-d8

Concen: 20.000 ng

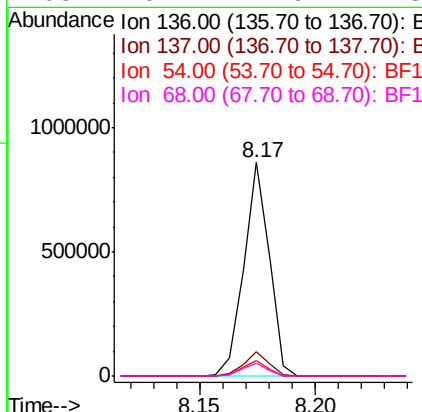
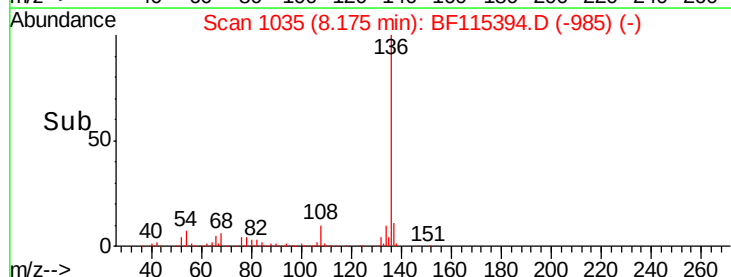
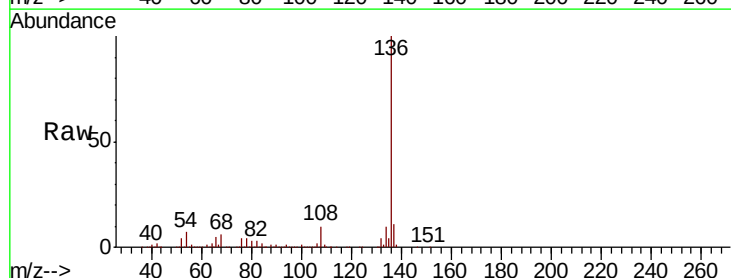
RT: 8.17 min Scan# 1035

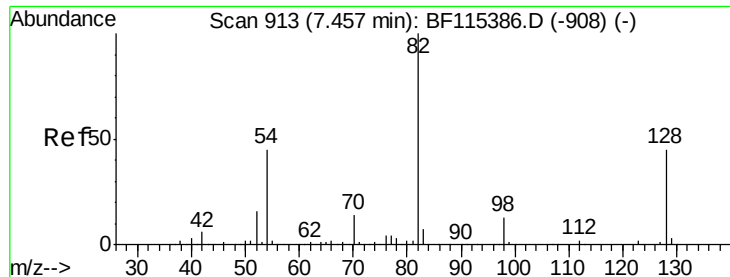
Delta R.T. -0.01 min

Lab File: BF115394.D

Acq: 5 Jul 2019 17:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		660649		
137	11.2	8.9	13.3		
54	7.3	5.6	8.4		
68	6.2	4.9	7.3		





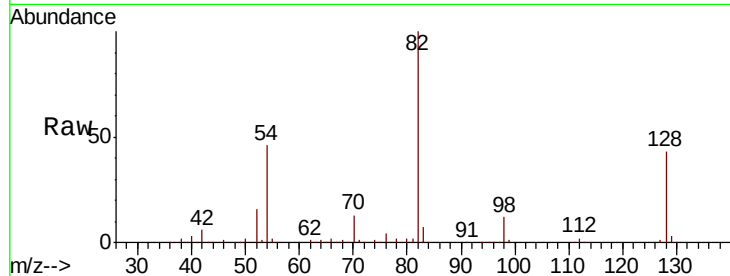
#23
Nitrobenzene-d5
Concen: 34.128 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF115394.D
Acq: 5 Jul 2019 17:43

Instrument :
BNA_F
ClientSampleId :
OR-02-070319-A

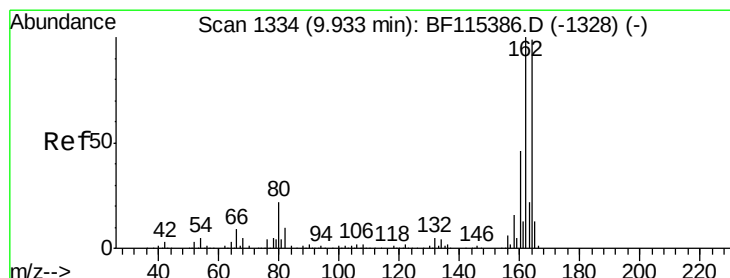
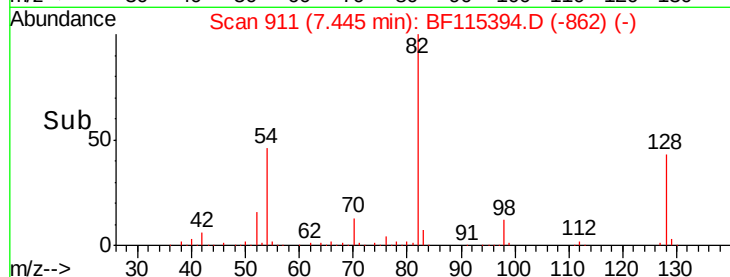
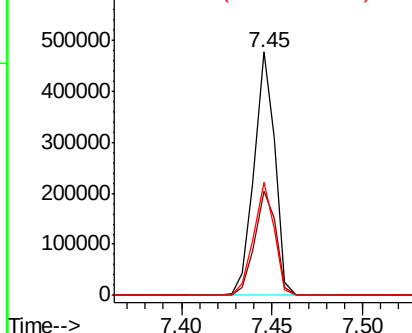
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	35.7	53.5
54	46.2	36.3	54.5

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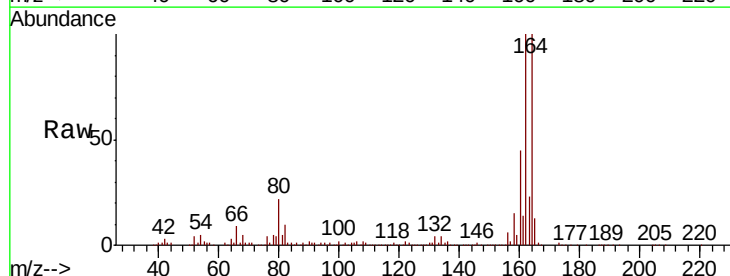


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

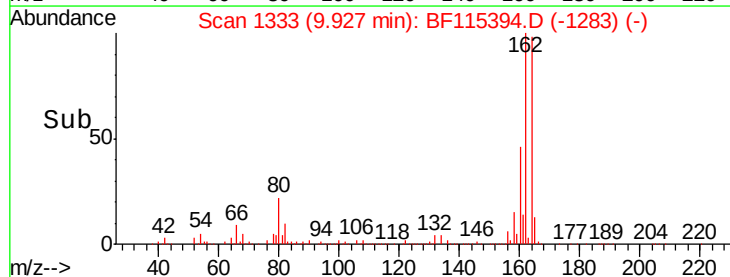
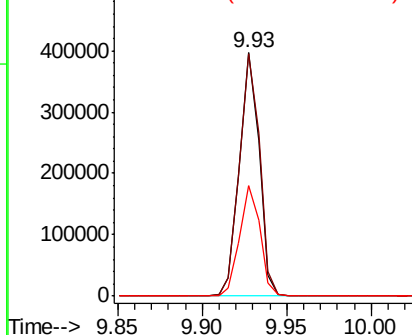


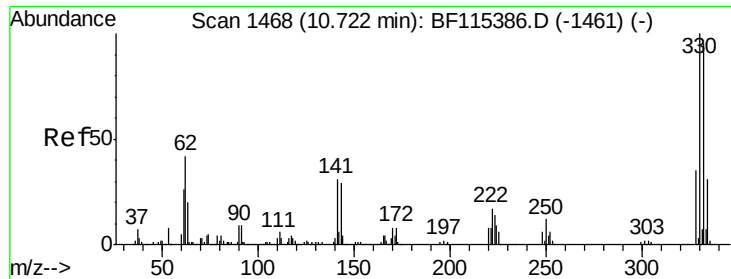
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF115394.D
Acq: 5 Jul 2019 17:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.6	121.0
160	45.4	37.0	55.6



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: 44.566 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF115394.D

Acq: 5 Jul 2019 17:43

Instrument :

BNA_F

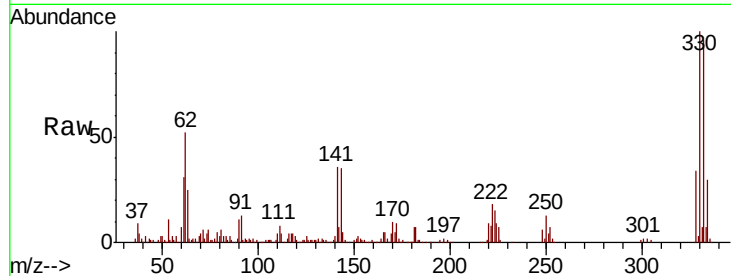
ClientSampleId :

OR-02-070319-A

Tot Ion:	330	Resp:	159337
Ion Ratio	Lower	Upper	
330	100		
332	95.6	76.3	114.5
141	34.5	27.0	40.4

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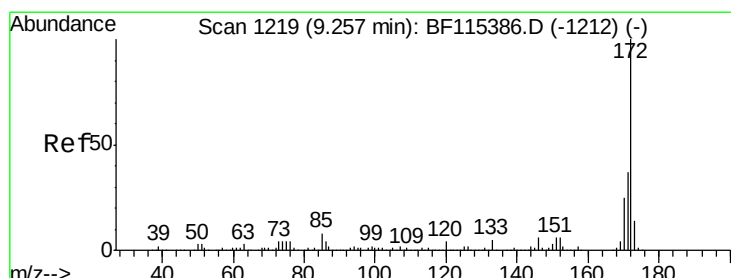
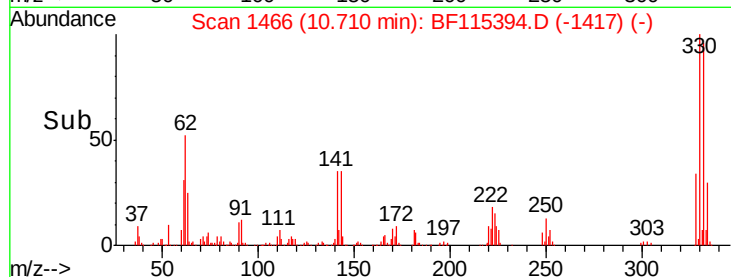
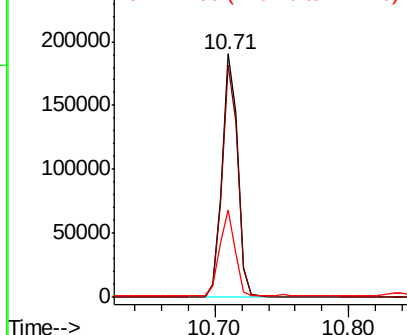


Abundance

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: 40.712 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF115394.D

Acq: 5 Jul 2019 17:43

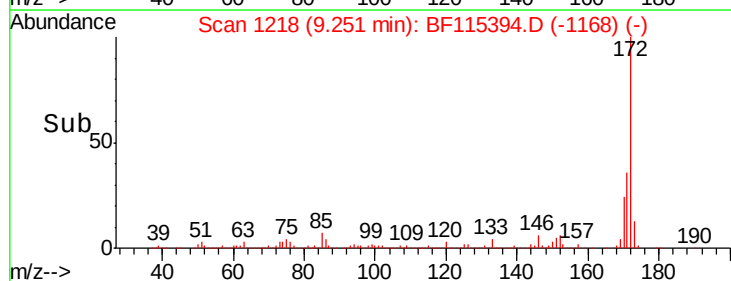
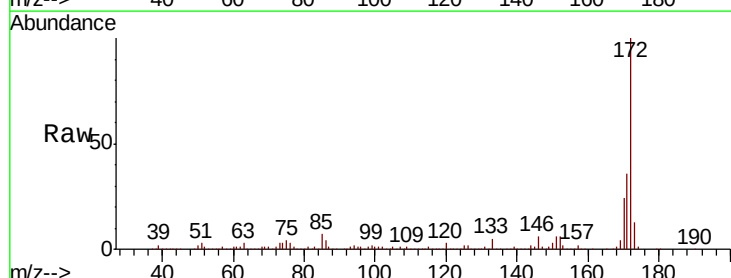
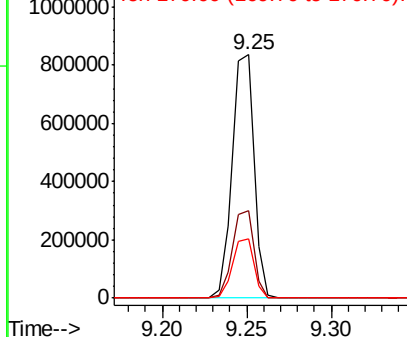
Tgt Ion:	172	Resp:	750242
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.8	44.8
170	24.3	20.2	30.4

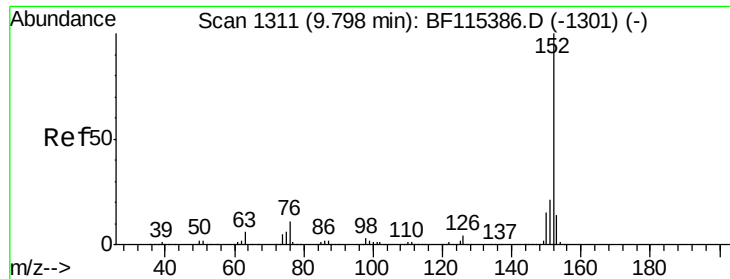
Abundance

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: 2.102 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115394.D

Acq: 5 Jul 2019 17:43

Instrument :

BNA_F

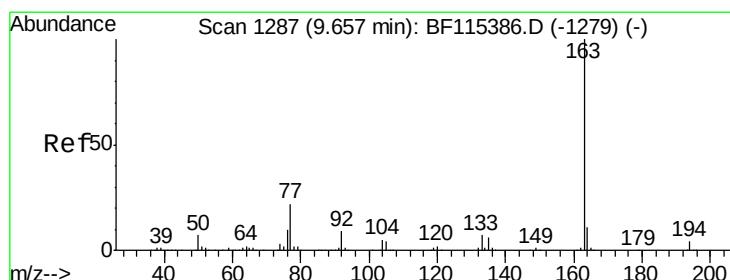
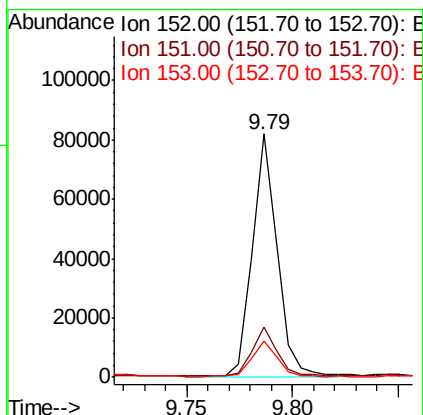
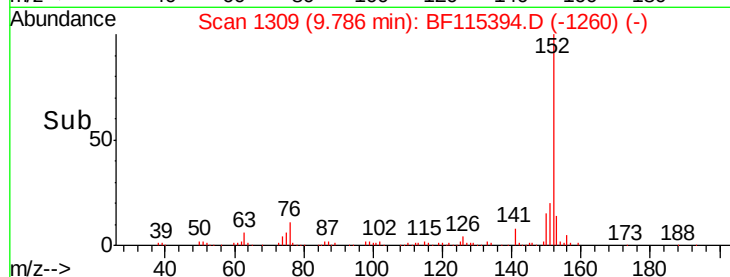
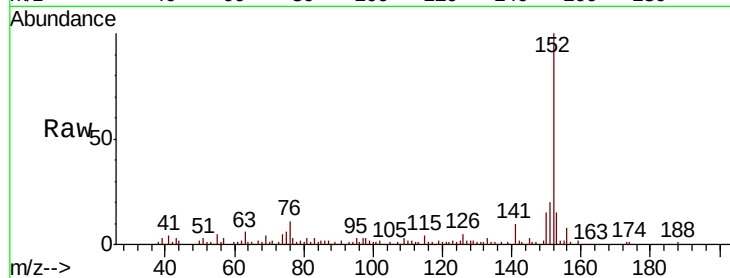
ClientSampleId :

OR-02-070319-A

Tot Ion:	152	Resp:	66865
Ion Ratio	Lower	Upper	
152	100		
151	20.4	17.0	25.4
153	14.7	11.4	17.2

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#50

Dimethylphthalate

Concen: 3.436 ng

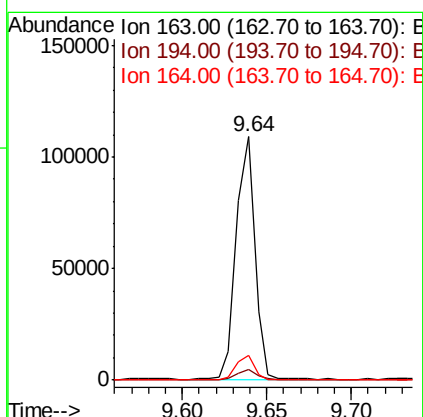
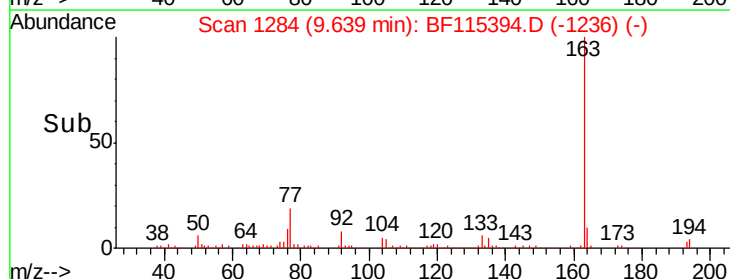
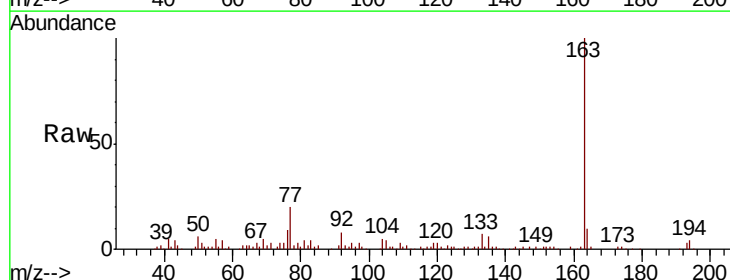
RT: 9.64 min Scan# 1284

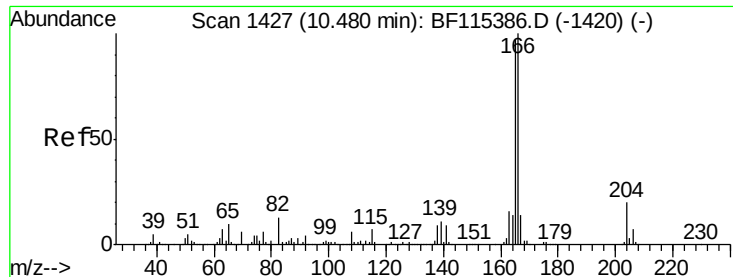
Delta R.T. -0.02 min

Lab File: BF115394.D

Acq: 5 Jul 2019 17:43

Tgt Ion:	163	Resp:	83395
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.2	4.8
164	10.0	8.5	12.7





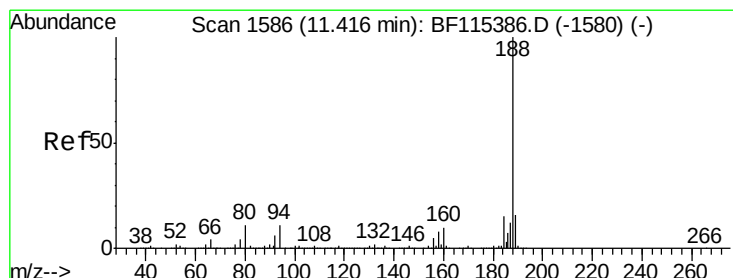
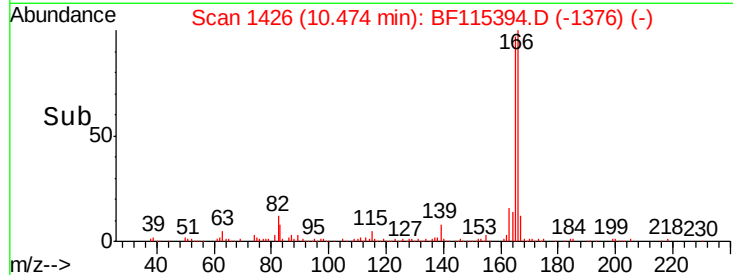
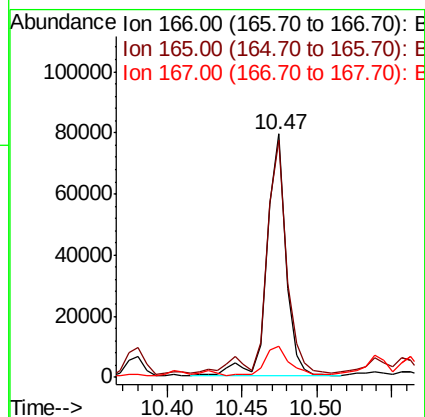
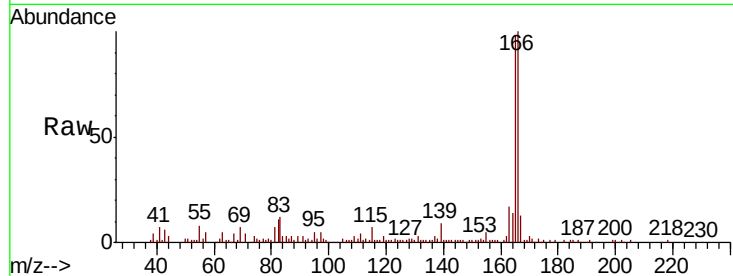
#58
 Fluorene
 Concen: 3.105 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF115394.D
 Acq: 5 Jul 2019 17:43

Instrument :
 BNA_F
 ClientSampleID :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.8	116.6
167	12.8	11.0	16.6

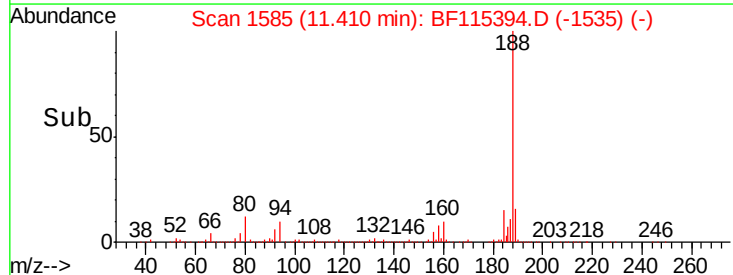
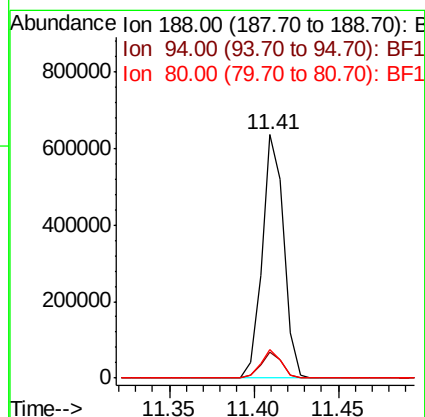
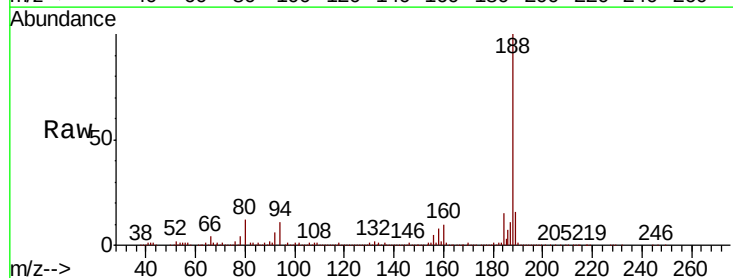
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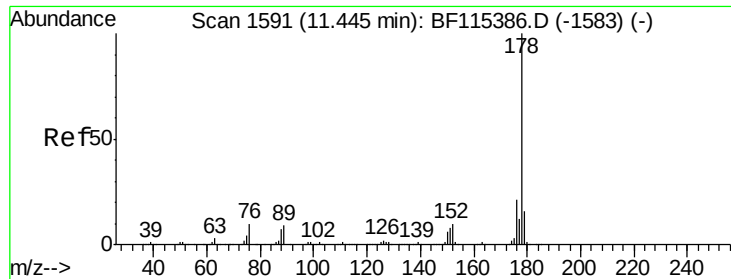
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF115394.D
 Acq: 5 Jul 2019 17:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.6	9.1	13.7





#71

Phenanthrene

Concen: 17.467 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF115394.D

Acq: 5 Jul 2019 17:43

Instrument :

BNA_F

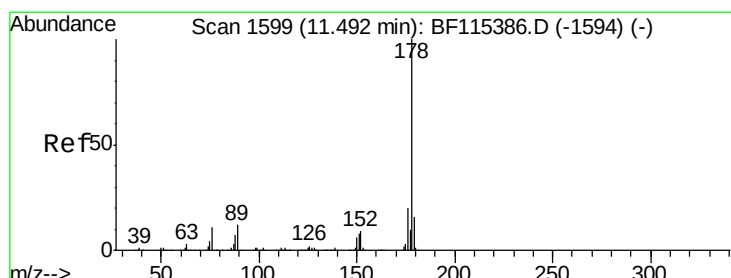
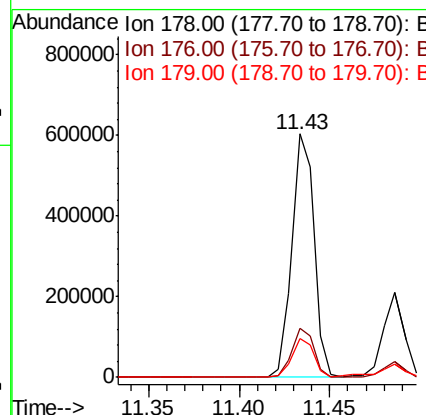
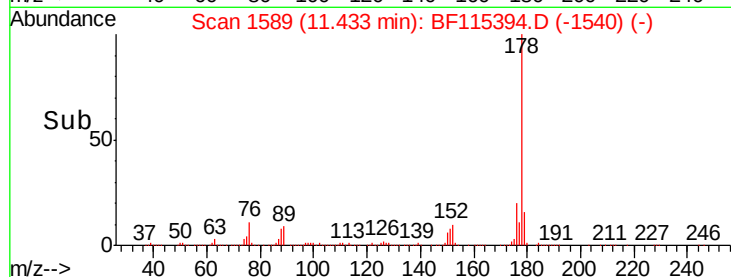
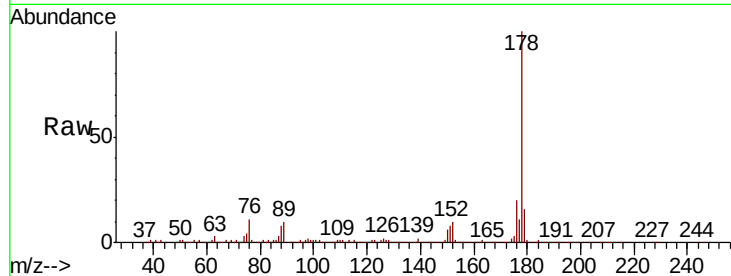
ClientSampleId :

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Tot Ion:	178	Resp:	516471
Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.6	25.0
179	16.1	13.0	19.6

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#72

Anthracene

Concen: 5.492 ng

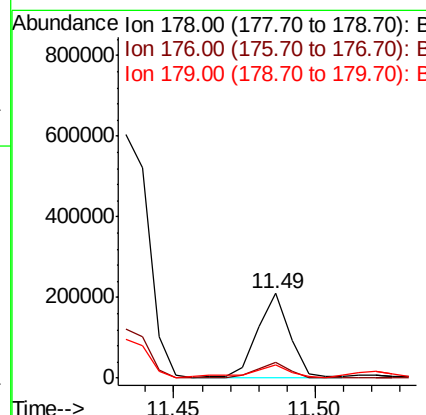
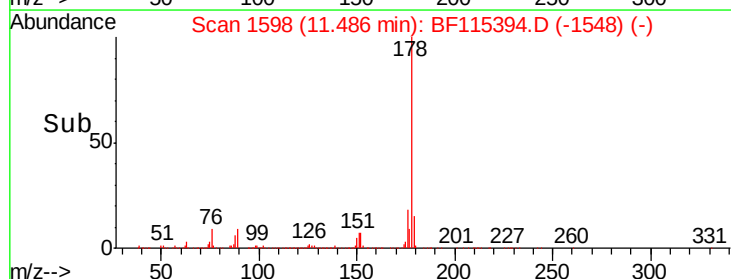
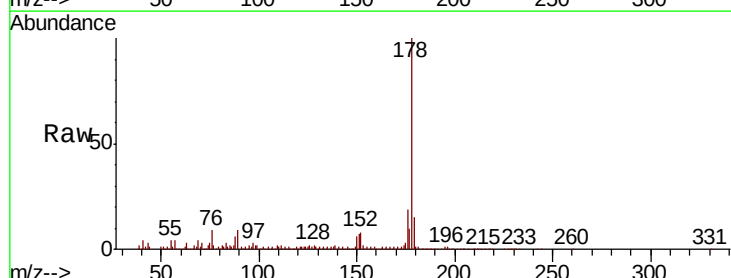
RT: 11.49 min Scan# 1598

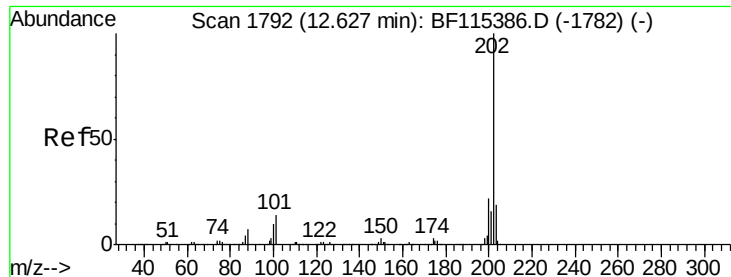
Delta R.T. -0.01 min

Lab File: BF115394.D

Acq: 5 Jul 2019 17:43

Tgt Ion:	178	Resp:	162839
Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.0	24.0
179	15.3	13.1	19.7





#75

Fluoranthene

Concen: 27.093 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115394.D

Acq: 5 Jul 2019 17:43

Instrument :

BNA_F

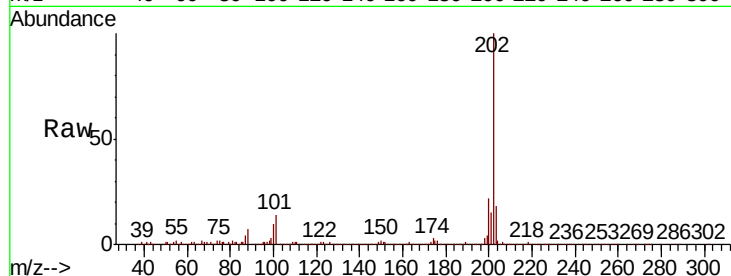
ClientSampleId :

OR-02-070319-A

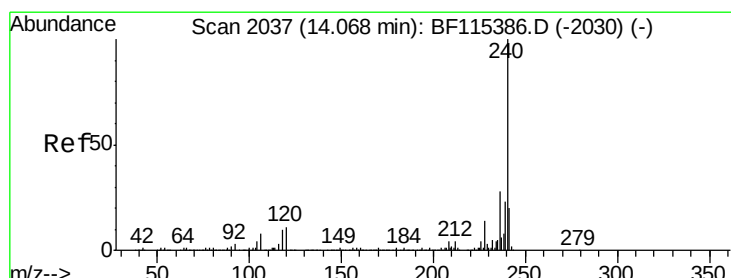
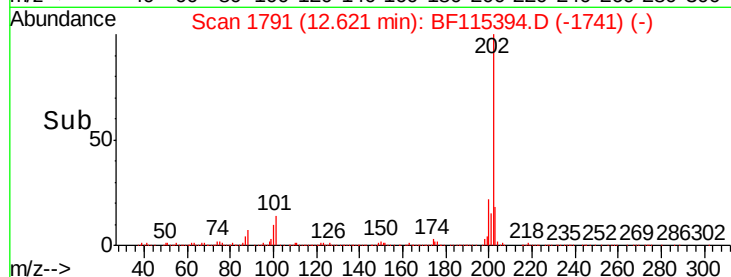
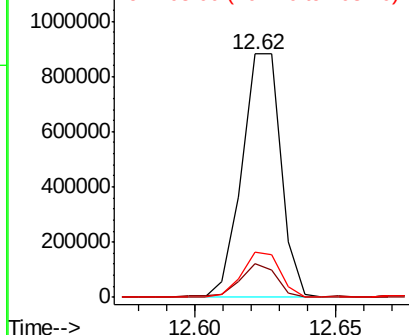
Tot Ion:	202	Resp:	843479
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	34.0
203	18.4	0.0	38.5

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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

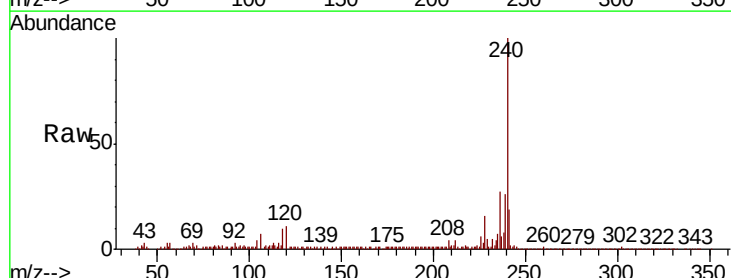
RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

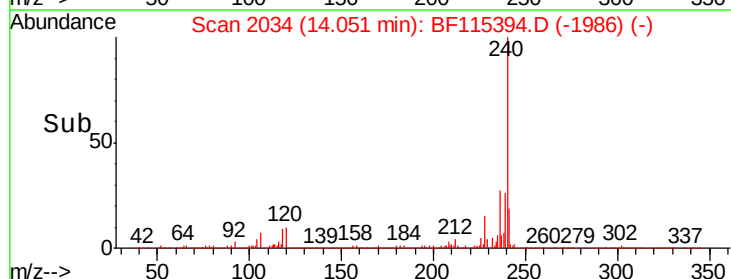
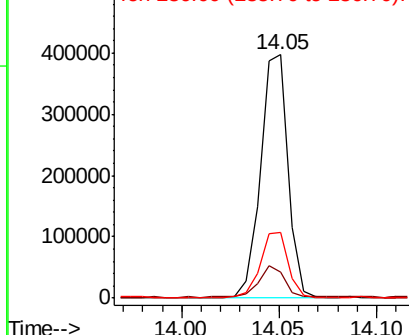
Lab File: BF115394.D

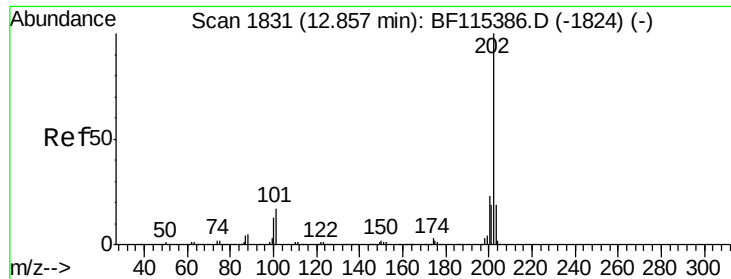
Acq: 5 Jul 2019 17:43

Tgt Ion:	240	Resp:	384389
Ion Ratio	Lower	Upper	
240	100		
120	10.5	9.1	13.7
236	26.7	22.5	33.7



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





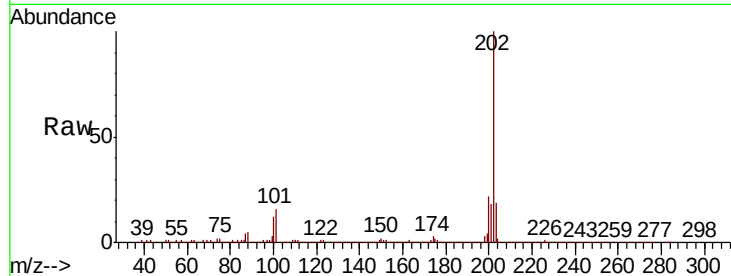
#78
Pvrene
Concen: 27.211 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF115394.D
Acq: 5 Jul 2019 17:43

Instrument :
BNA_F
ClientSampleId :
OR-02-070319-A

Tot Ion:	202	Resp:	813400
Ion Ratio	Lower	Upper	
202	100		
200	22.1	18.2	27.4
203	18.7	14.8	22.2

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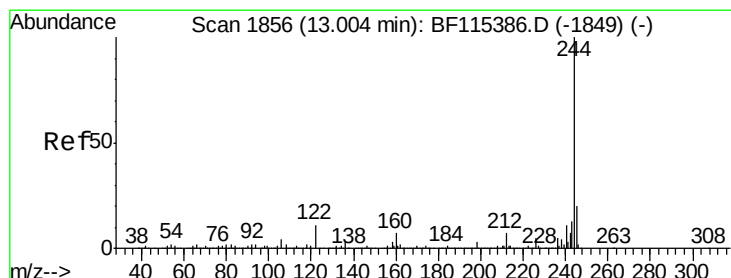
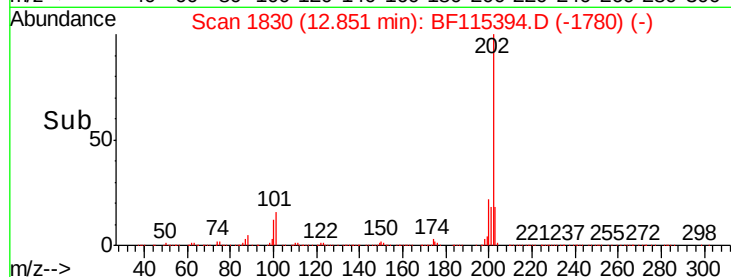
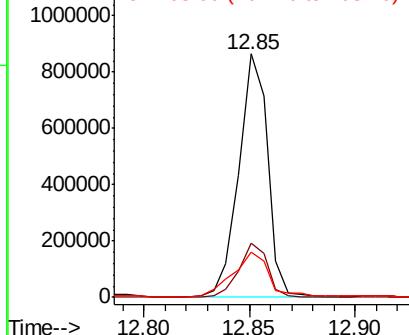


Abundance

Ion 202.00 (201.70 to 202.70): E

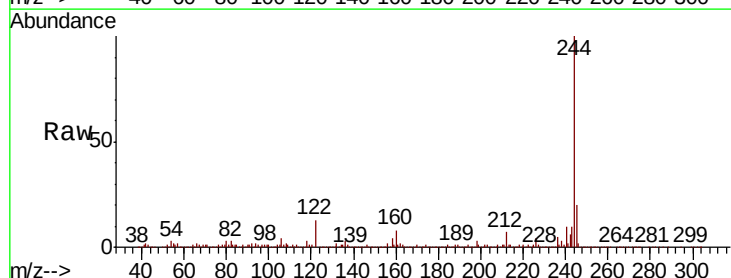
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 36.849 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF115394.D
Acq: 5 Jul 2019 17:43

Tgt Ion:	244	Resp:	691777
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.7	8.5
122	12.8	9.1	13.7

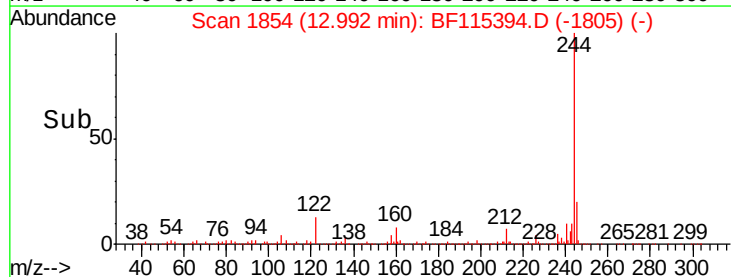
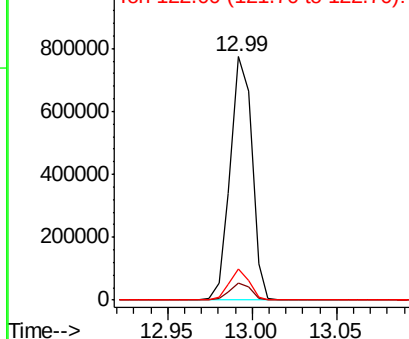


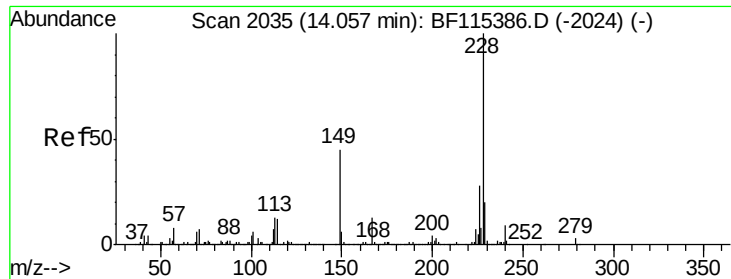
Abundance

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





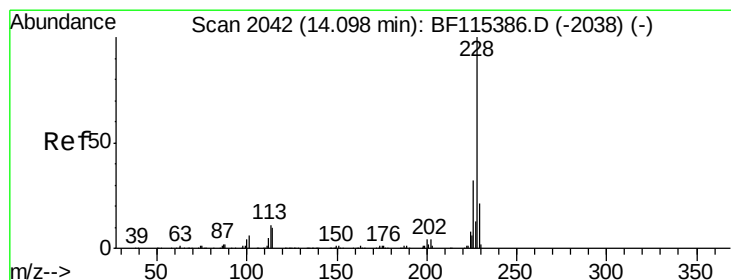
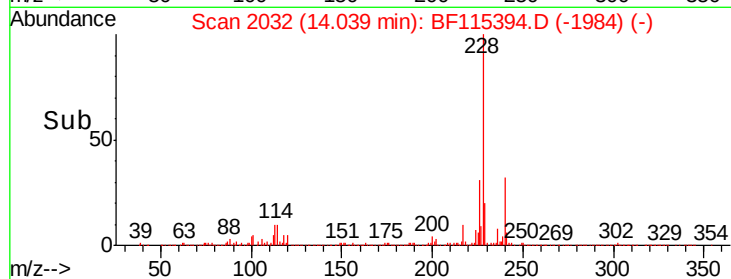
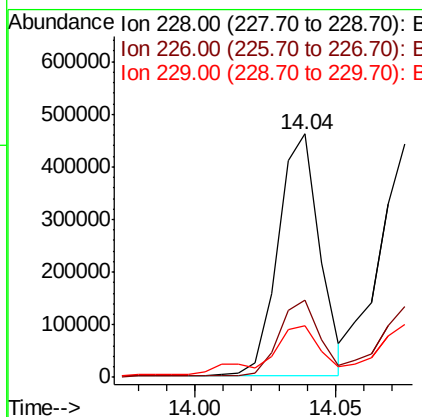
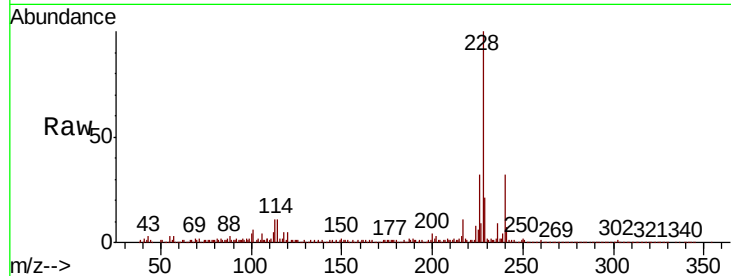
#81
Benzo(a)anthracene
Concen: 19.067 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF115394.D
Acq: 5 Jul 2019 17:43

Instrument :
BNA_F
ClientSampleId :
OR-02-070319-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.7	34.1
229	21.0	16.3	24.5

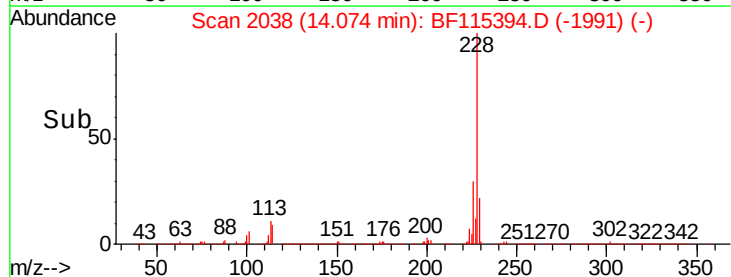
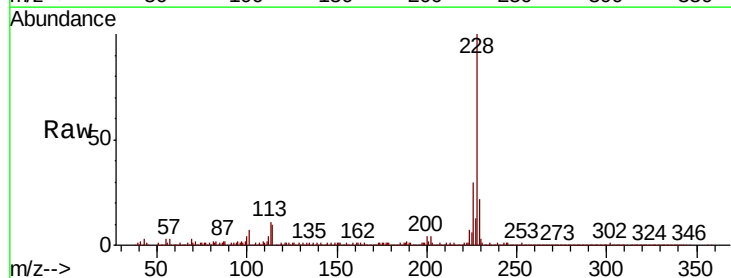
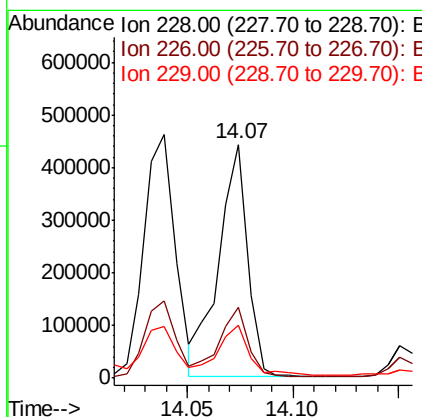
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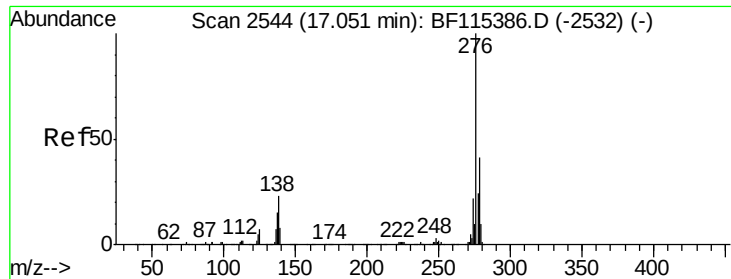
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#83
Chrysene
Concen: 16.564 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.02 min
Lab File: BF115394.D
Acq: 5 Jul 2019 17:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.7	38.5
229	22.4	16.6	25.0





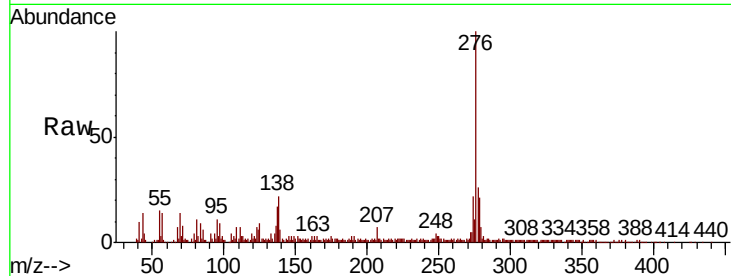
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.577 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.05 min
Lab File: BF115394.D
Acq: 5 Jul 2019 17:43

Instrument :
BNA_F
ClientSampleId :
OR-02-070319-A

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	21.2	0.0	0.0	
277	24.4	0.0	0.0	

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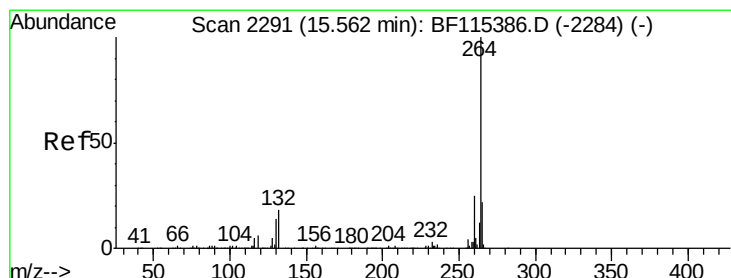
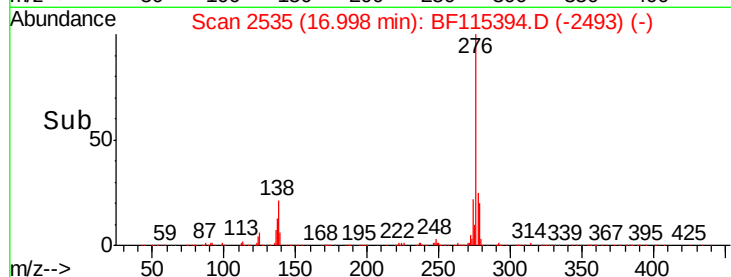
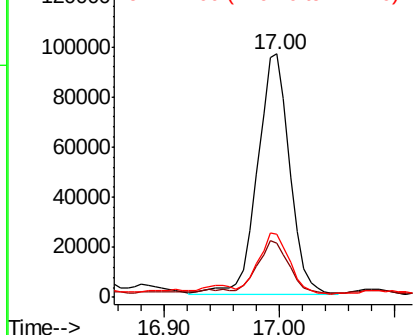


Abundance

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: 15.52 min Scan# 2284
Delta R.T. -0.04 min
Lab File: BF115394.D
Acq: 5 Jul 2019 17:43

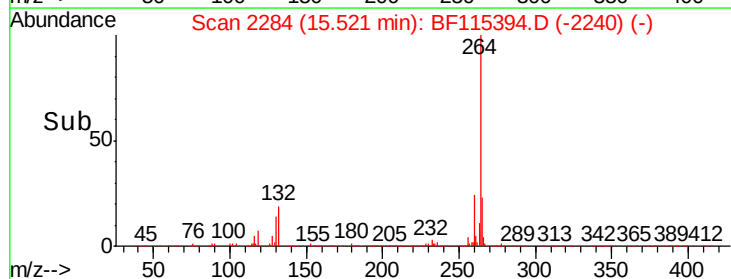
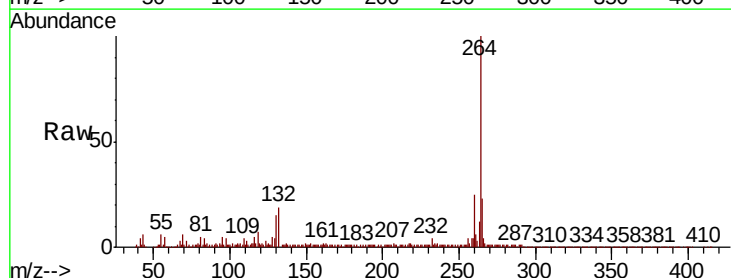
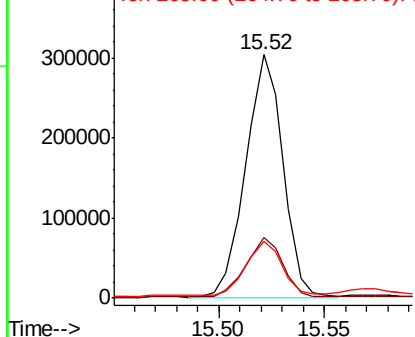
Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.0	19.9	29.9	
265	23.1	17.4	26.2	

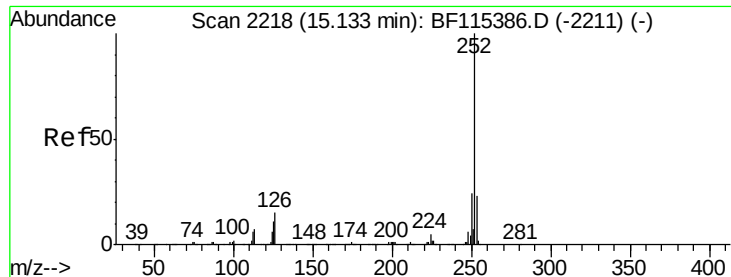
Abundance

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





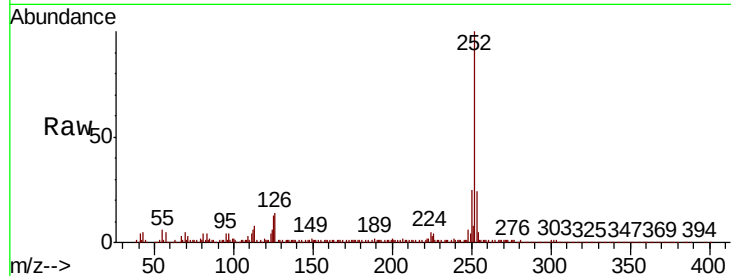
#88
Benzo(b)fluoranthene
Concen: 22.052 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.04 min
Lab File: BF115394.D
Acq: 5 Jul 2019 17:43

Instrument :
BNA_F
ClientSampleId :
OR-02-070319-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	12.6	9.0	13.6

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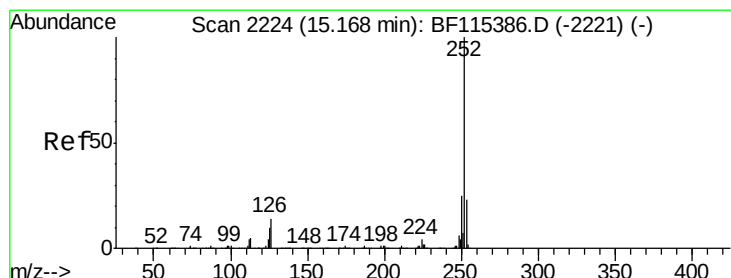
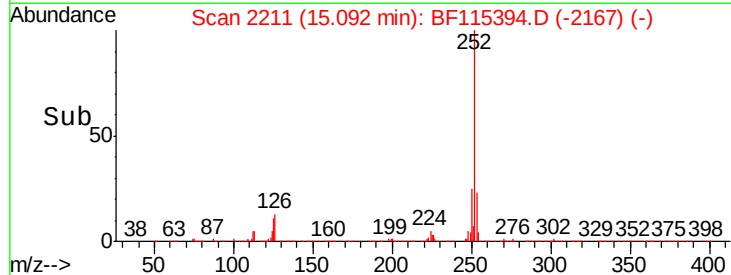
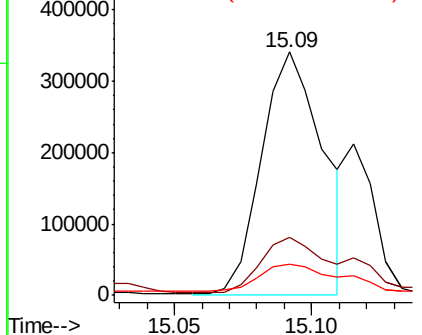


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 7.179 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.05 min
Lab File: BF115394.D
Acq: 5 Jul 2019 17:43

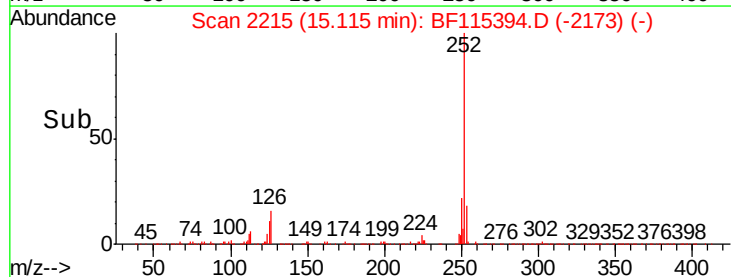
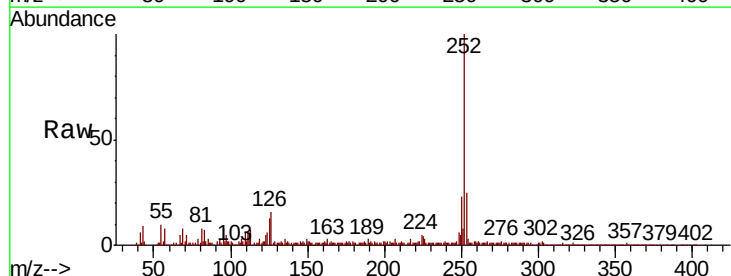
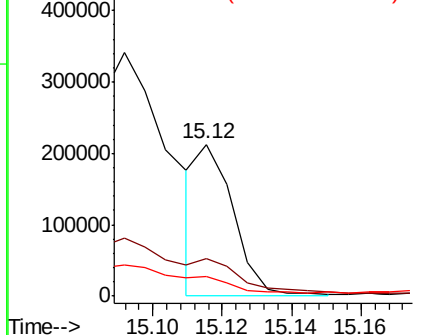
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.3	27.5
125	12.8	8.3	12.5#

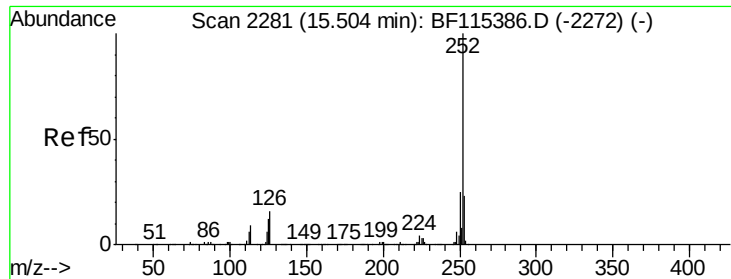
Abundance

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





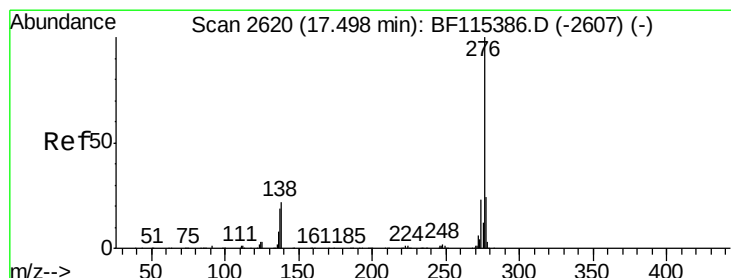
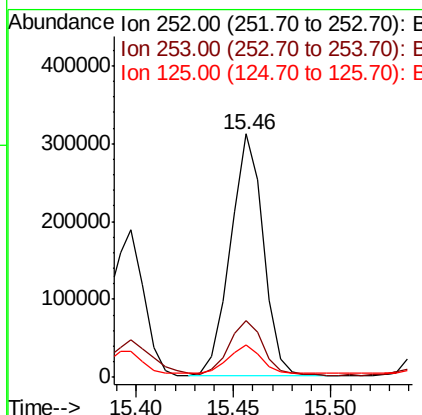
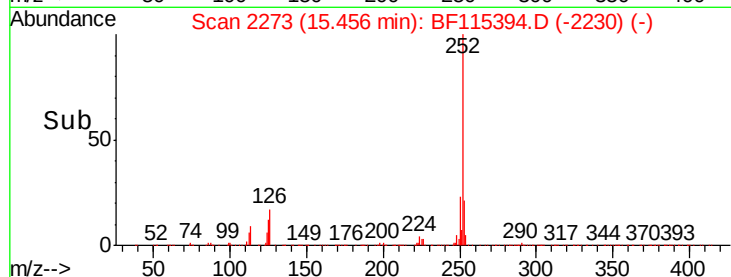
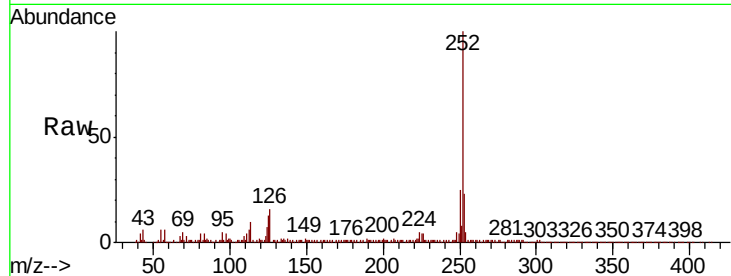
#90
Benzo(a)pyrene
Concen: 17.256 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.05 min
Lab File: BF115394.D
Acq: 5 Jul 2019 17:43

Instrument :
BNA_F
ClientSampleId :
OR-02-070319-A

Tot Ion:	252	Resp:	359903
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.2	27.2
125	13.1	10.0	15.0

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#92
Benzo(g,h,i)perylene
Concen: 9.744 ng
RT: 17.44 min Scan# 2610
Delta R.T. -0.06 min
Lab File: BF115394.D
Acq: 5 Jul 2019 17:43

Tgt Ion:	276	Resp:	164369
Ion Ratio	Lower	Upper	
276	100		
277	25.5	19.4	29.2
138	24.4	17.8	26.6

