

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
 Data File : BF117721.D
 Acq On : 7 Nov 2019 22:42
 Operator : JU
 Sample : K5722-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-D

Manual Integrations
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 11/8/2019 3:31:44 PM

Quant Time: Nov 08 02:53:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	313753	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1210856	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	623800	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1115001	20.00	ng	0.00
76) Chrysene-d12	14.12	240	732380	20.00	ng	0.00
87) Perylene-d12	15.63	264	891652	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1830456	105.61	ng	0.00
7) Phenol-d6	6.55	99	2325619	108.82	ng	0.00
23) Nitrobenzene-d5	7.49	82	1406547	68.58	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	652870	106.99	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	2575050	81.45	ng	0.00
79) Terphenyl-d14	13.06	244	2540656	71.41	ng	0.00
Target Compounds						
10) Phenol	6.56	94	82408	3.578	ng	97
50) Dimethylphthalate	9.69	163	361869	8.581	ng	98
71) Phenanthrene	11.50	178	1012149	18.938	ng	95
72) Anthracene	11.54	178	142683	2.683	ng	95
75) Fluoranthene	12.69	202	810537	14.853	ng	95
78) Pyrene	12.92	202	1200960	22.463	ng	97
81) Benzo(a)anthracene	14.11	228	485736	10.655	ng	98
83) Chrysene	14.14	228	534246	11.867	ng	98
86) Indeno(1,2,3-cd)pyrene	17.16	276	173937	4.151	ng	96
88) Benzo(b)fluoranthene	15.18	252	442392m	7.878	ng	
89) Benzo(k)fluoranthene	15.21	252	143340m	2.862	ng	
90) Benzo(a)pyrene	15.56	252	354149	7.275	ng	99
92) Benzo(a,h,i)perylene	17.62	276	182625	4.316	ng	98

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

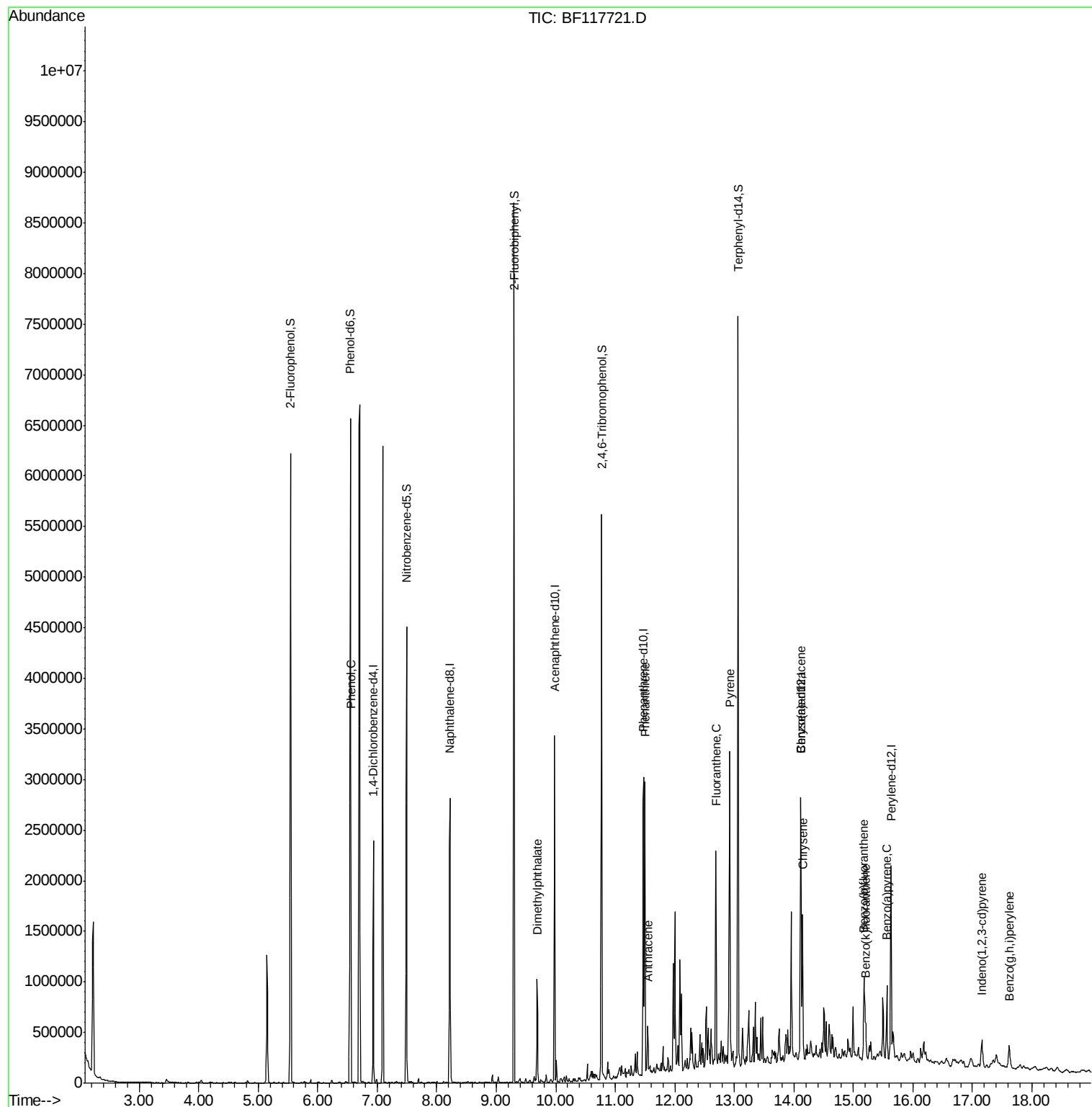
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
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ALS Vial : 18 Sample Multiplier: 1

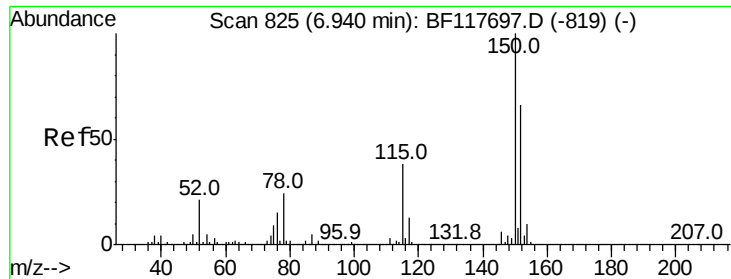
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#1

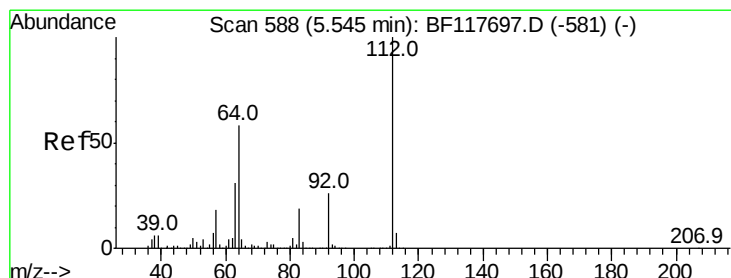
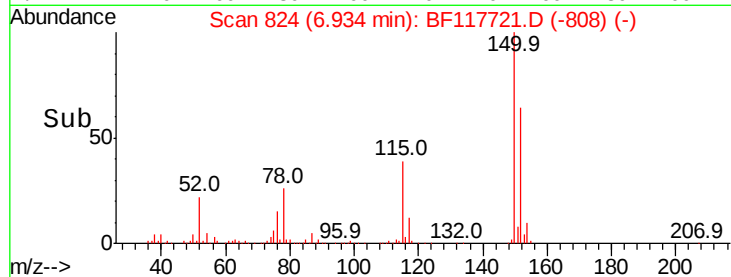
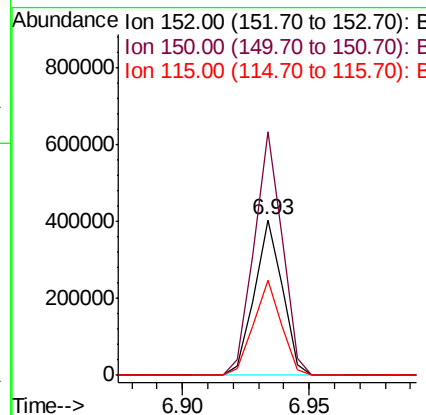
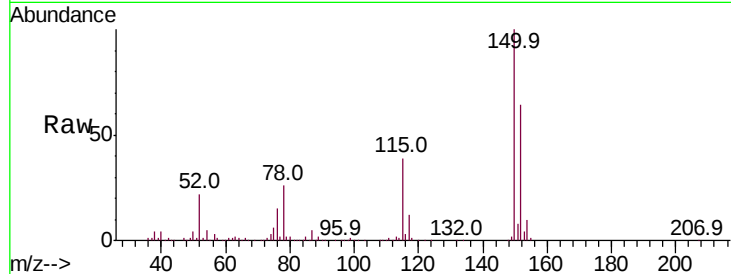
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Instrument :
BNA_F
ClientSampleId :
4-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	121.4	182.2
115	60.8	46.7	70.1

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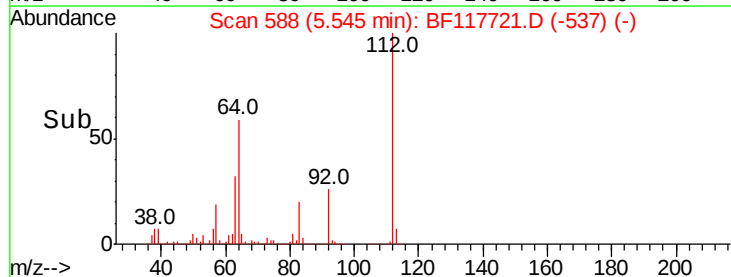
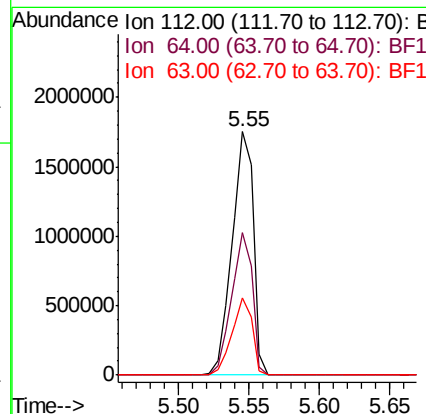
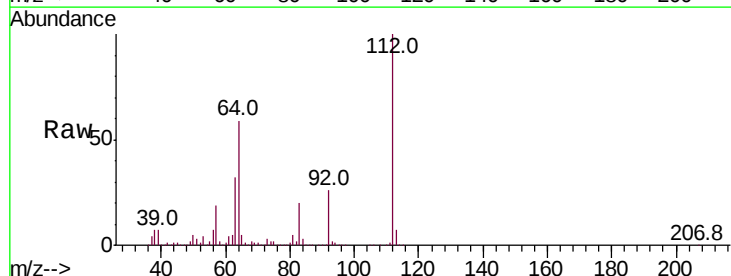
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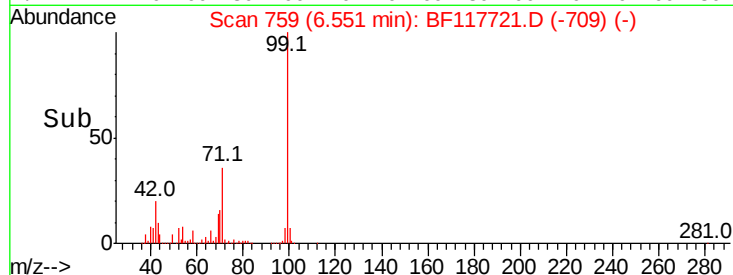
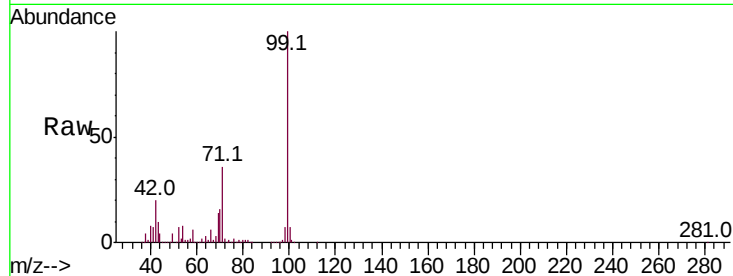
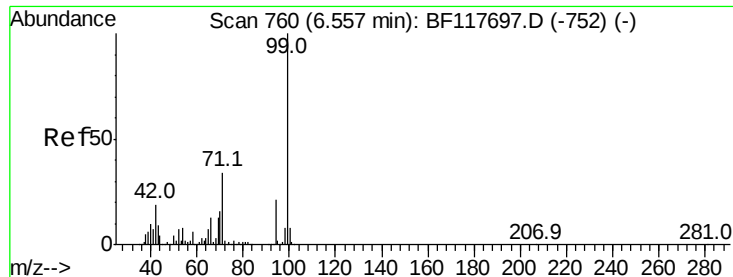


#5

2-Fluorophenol
Concen: 105.605 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.4	69.6
63	31.6	24.6	37.0





#7

Phenol-d6

Concen: 108.816 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117721.D

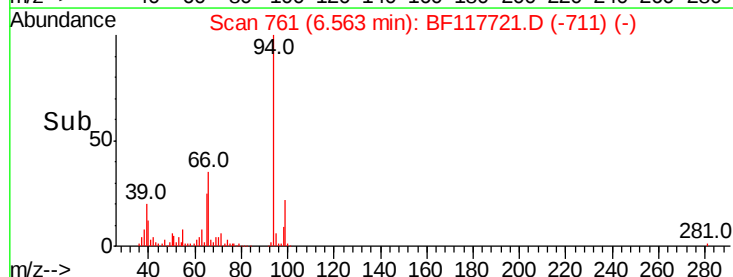
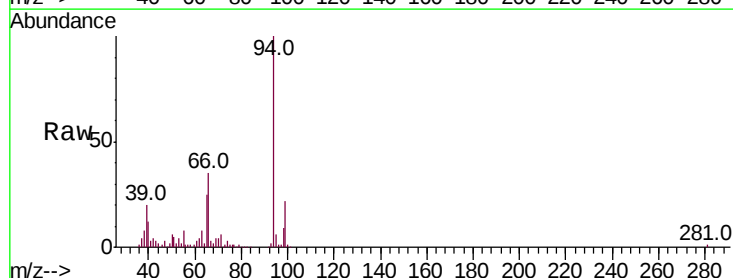
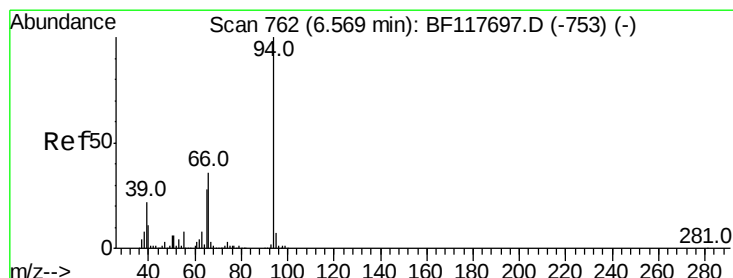
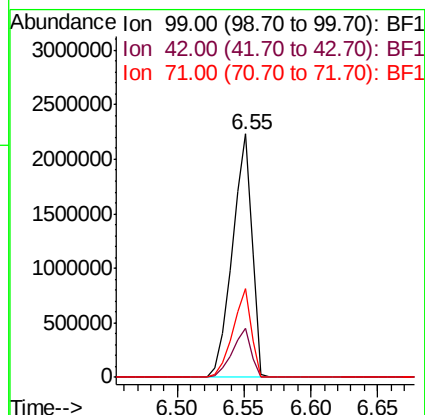
Acq: 7 Nov 2019 22:42

Tot Ion:	99	Resp:	2325619
Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.3	22.9
71	36.3	26.8	40.2

Instrument :
BNA_F
ClientSampleId :
4-D

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#10

Phenol

Concen: 3.578 ng

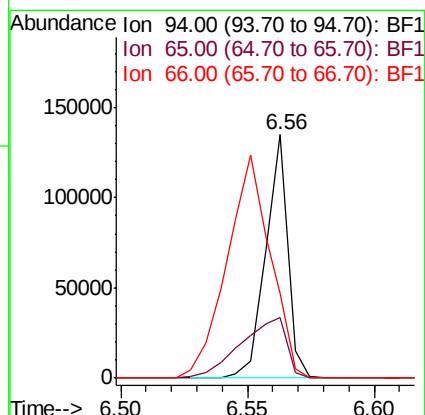
RT: 6.56 min Scan# 761

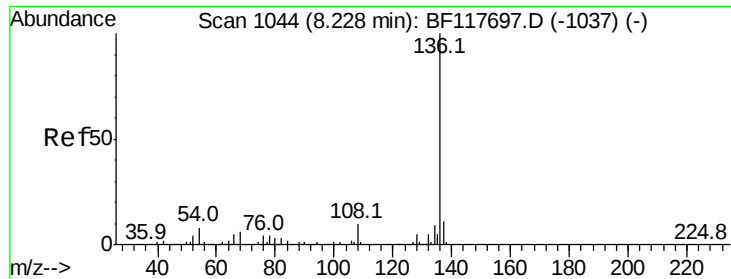
Delta R.T. -0.01 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

Tgt Ion:	94	Resp:	82408
Ion	Ratio	Lower	Upper
94	100		
65	25.0	7.6	47.6
66	35.1	16.1	56.1





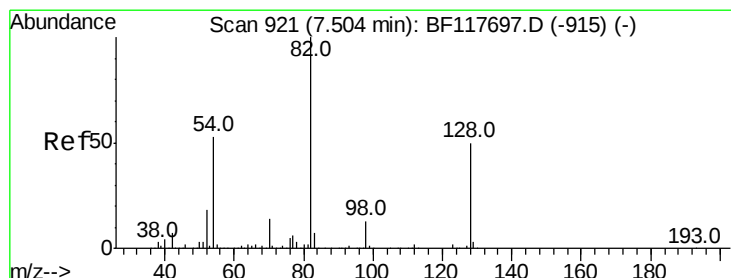
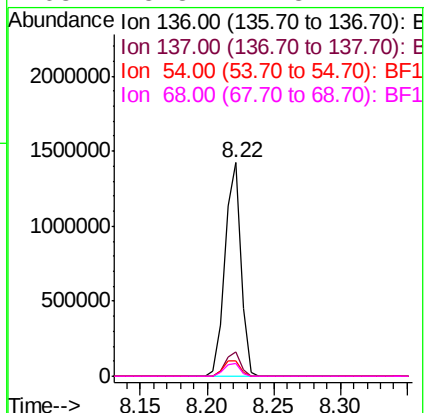
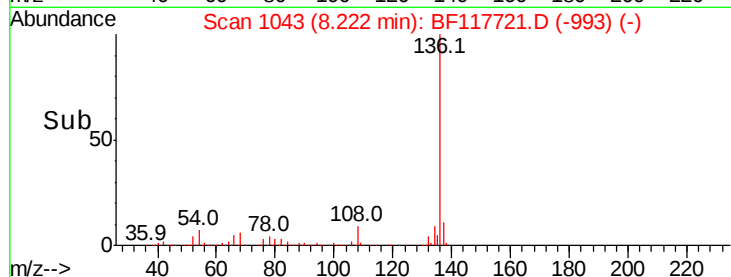
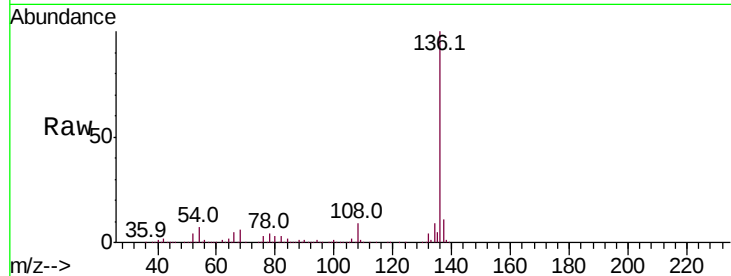
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Instrument :
BNA_F
ClientSampleId :
4-D

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.2	6.0	9.0
68	5.8	4.8	7.2

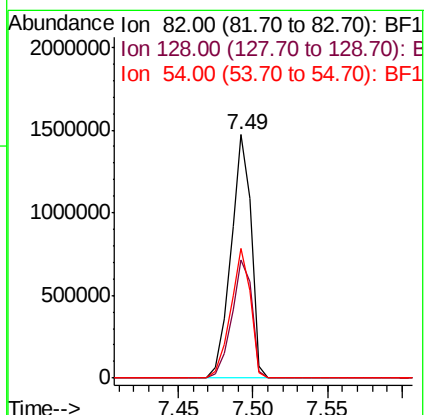
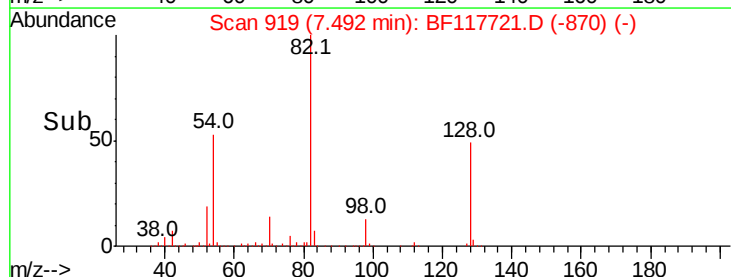
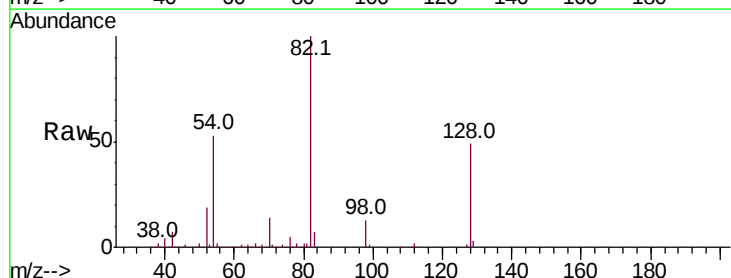
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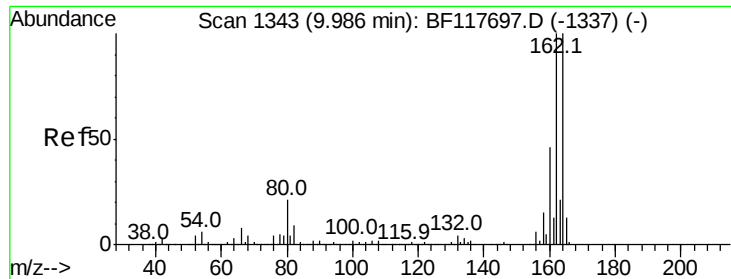
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#23
Nitrobenzene-d5
Concen: 68.581 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.7	40.2	60.2
54	53.4	42.0	63.0





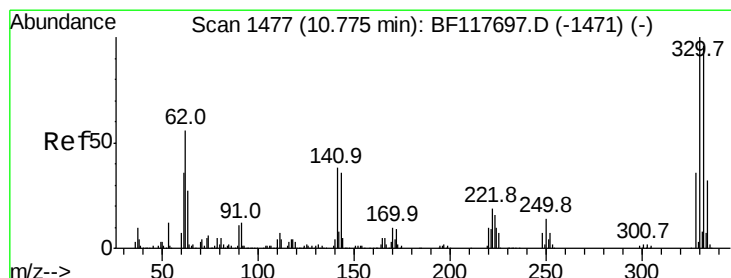
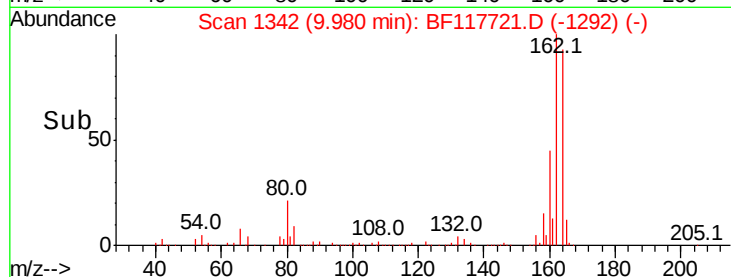
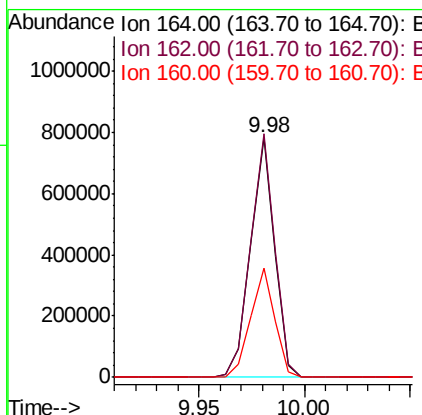
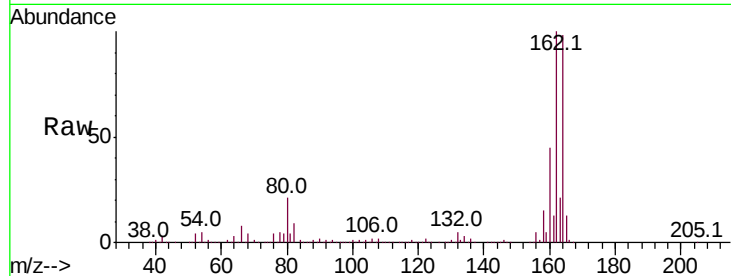
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.01 min
 Lab File: BF117721.D
 Acq: 7 Nov 2019 22:42

Instrument :
 BNA_F
 ClientSampled :
 4-D

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.7	79.7	119.5
160	45.6	36.5	54.7

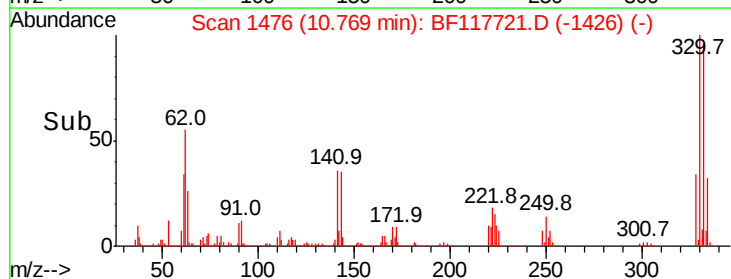
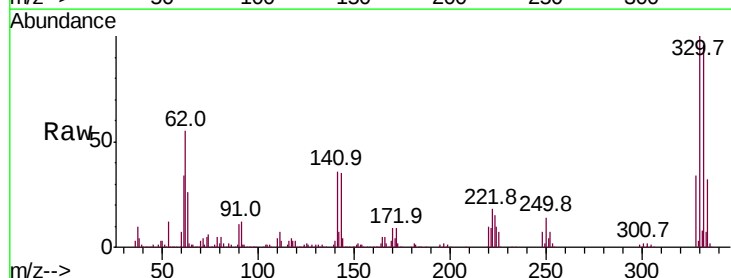
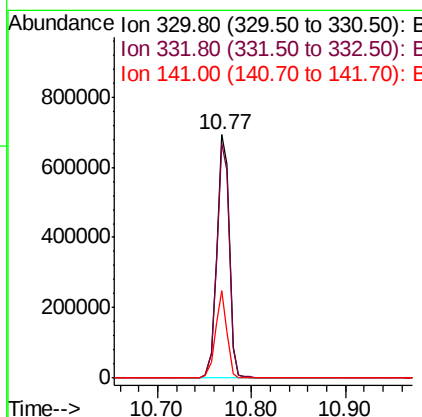
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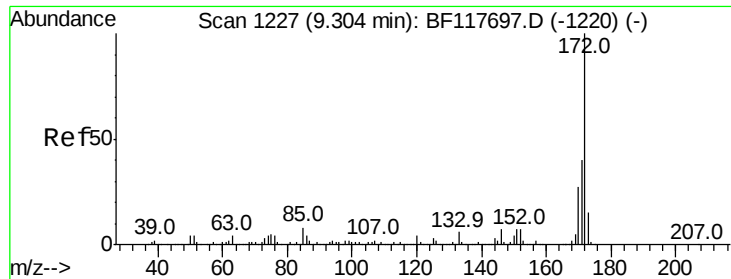
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#42
 2,4,6-Tribromophenol
 Concen: 106.990 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF117721.D
 Acq: 7 Nov 2019 22:42

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	33.2	28.0	42.0





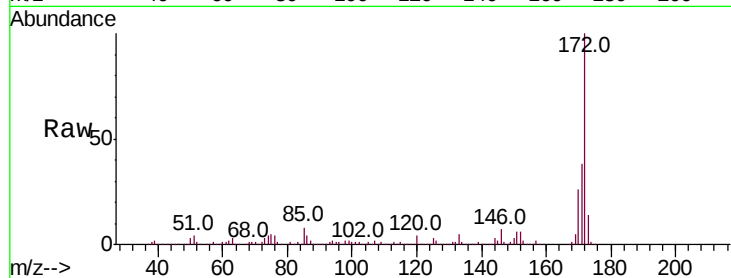
#45
2-Fluorobiphenyl
Concen: 81.446 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Instrument :
BNA_F
ClientSampleId :
4-D

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	31.8	47.8
170	25.8	21.6	32.4

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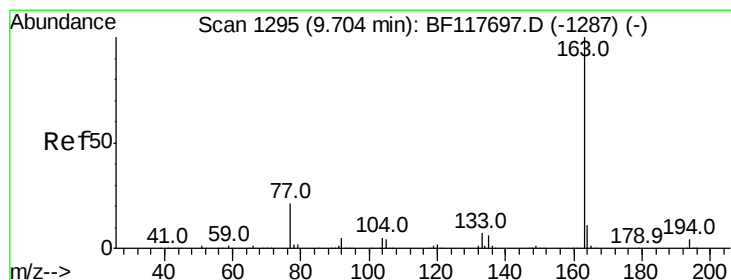
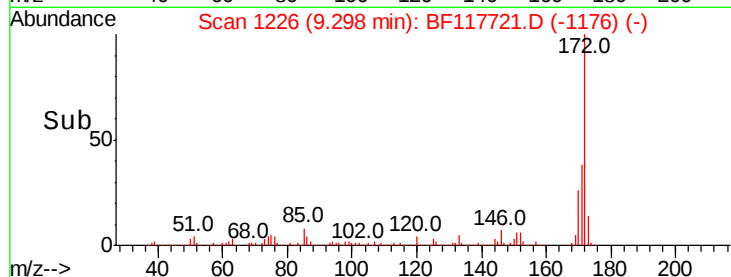
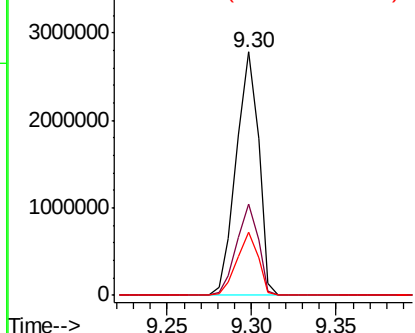


Abundance

Ion 172.00 (171.70 to 172.70): E

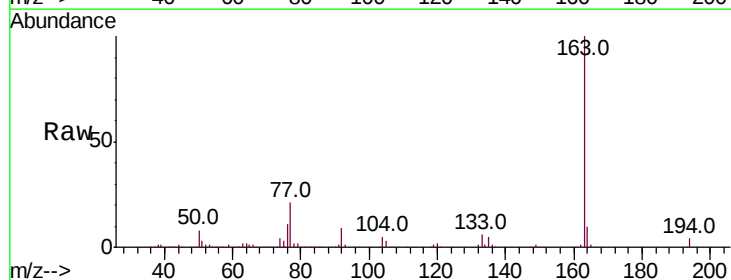
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 8.581 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	10.3	8.9	13.3

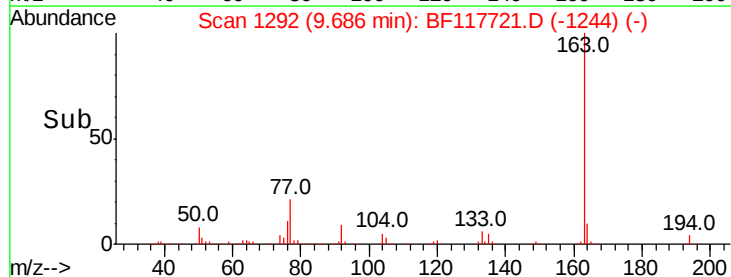
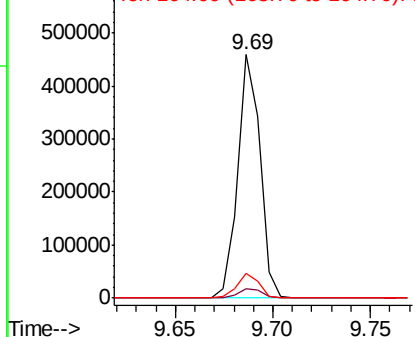


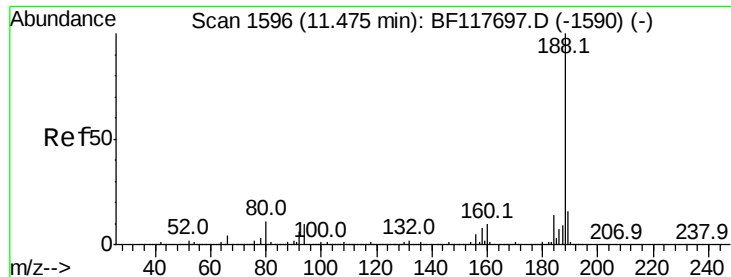
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





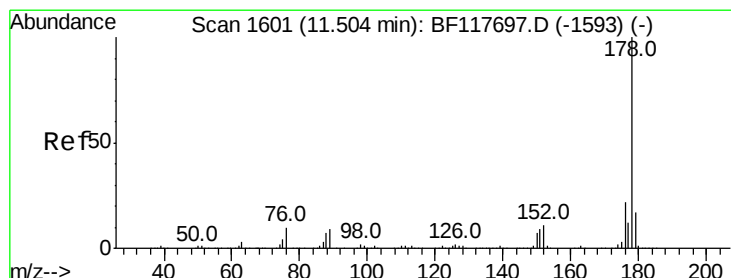
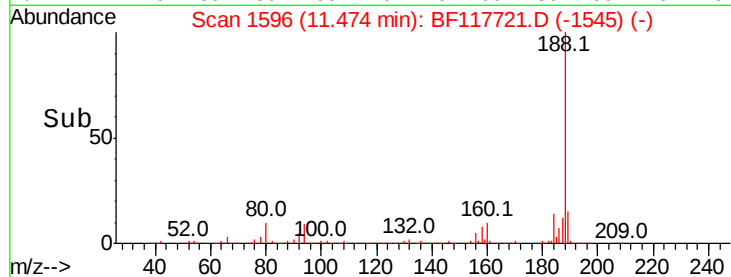
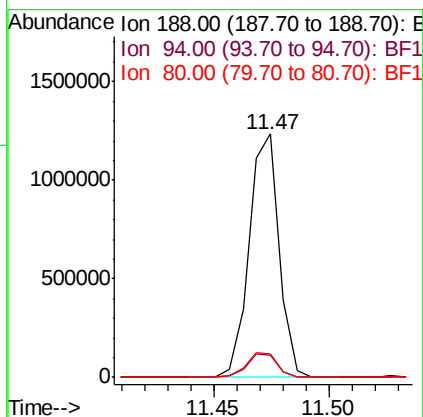
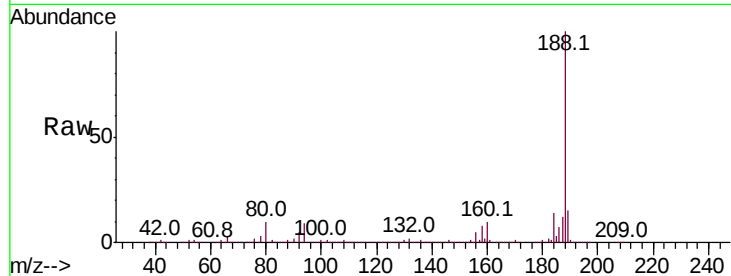
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Instrument :
BNA_F
ClientSampled :
4-D

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.2	12.4
80	9.6	8.6	13.0

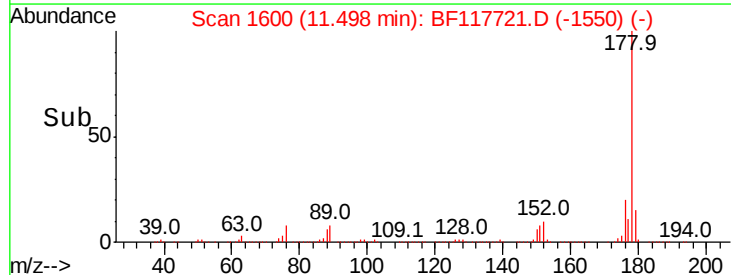
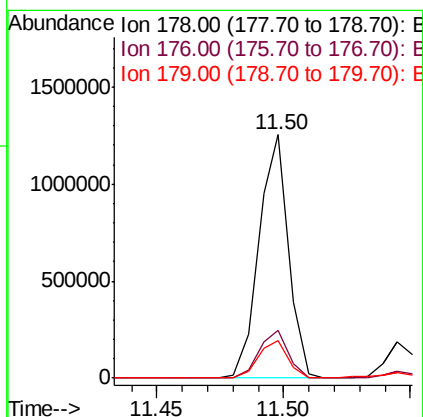
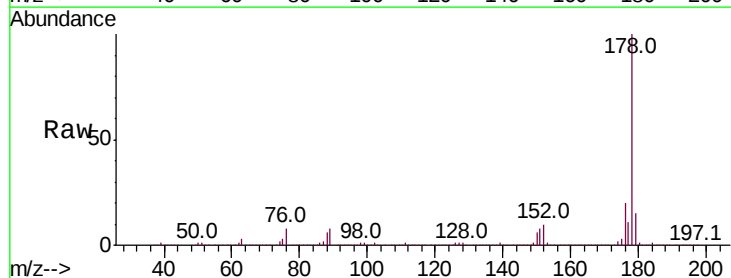
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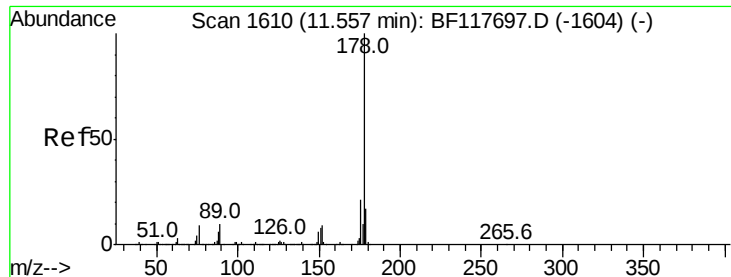
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#71
Phenanthrene
Concen: 18.938 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	17.7	26.5
179	15.4	13.8	20.8





#72

Anthracene

Concen: 2.683 ng

RT: 11.54 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

Instrument :

BNA_F

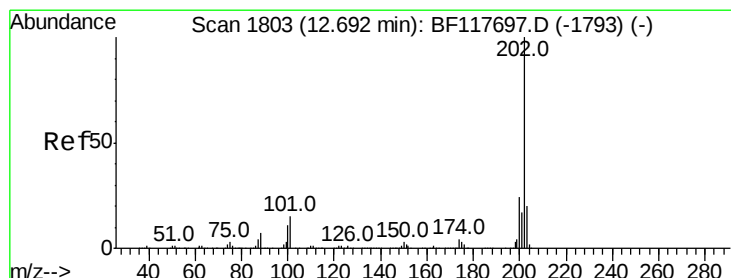
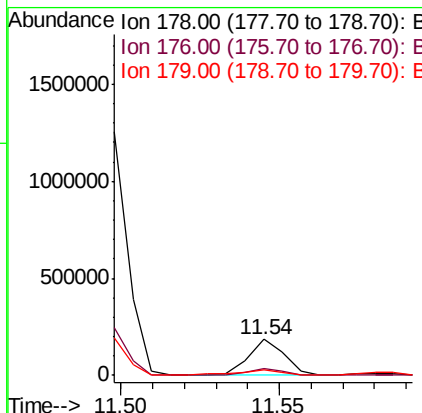
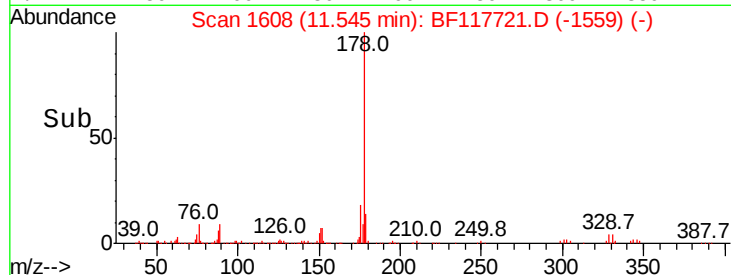
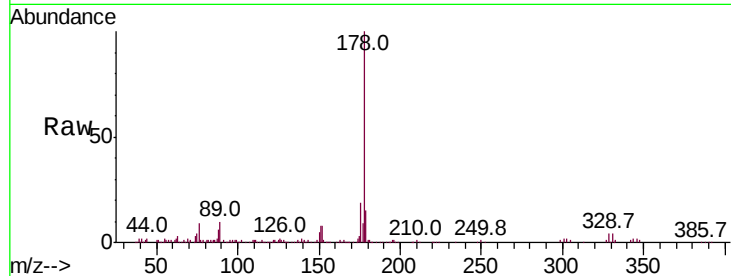
ClientSampleId :

4-D

Tot Ion:	178	Resp:	142683
Ion Ratio	Lower	Upper	
178	100		
176	18.6	16.6	25.0
179	14.7	13.5	20.3

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#75

Fluoranthene

Concen: 14.853 ng

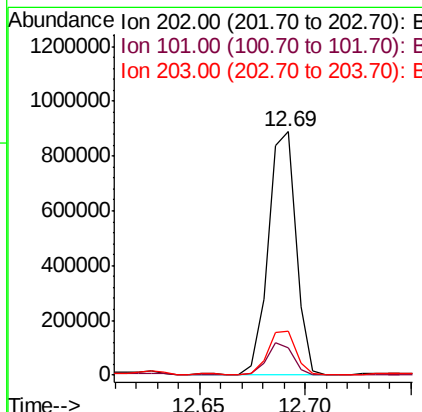
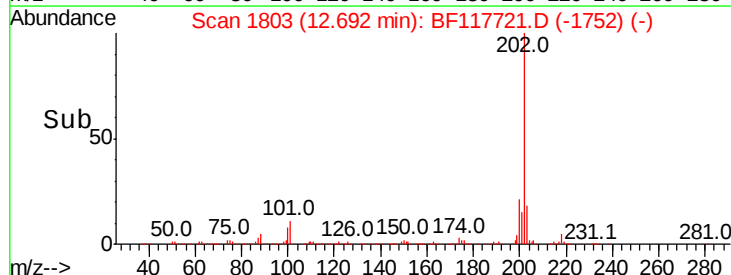
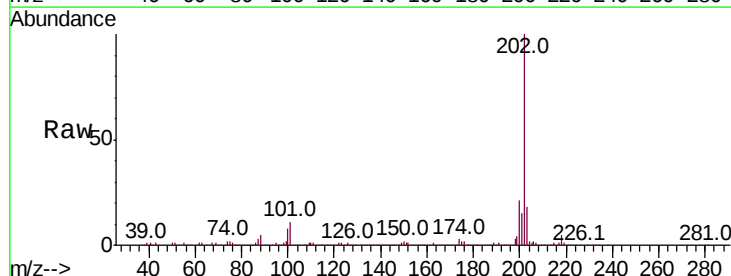
RT: 12.69 min Scan# 1803

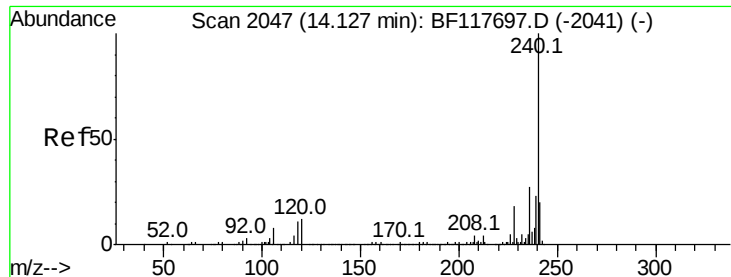
Delta R.T. -0.00 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

Tgt Ion:	202	Resp:	810537
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	34.5
203	18.2	0.0	39.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

Instrument :

BNA_F

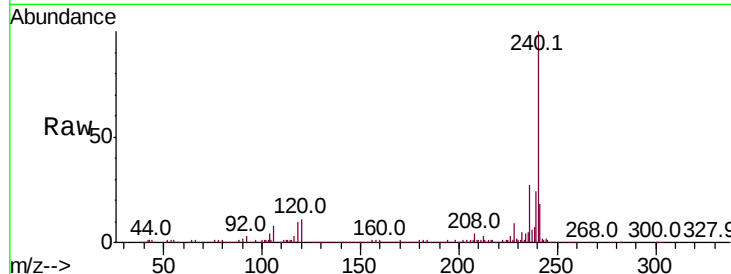
ClientSampled :

4-D

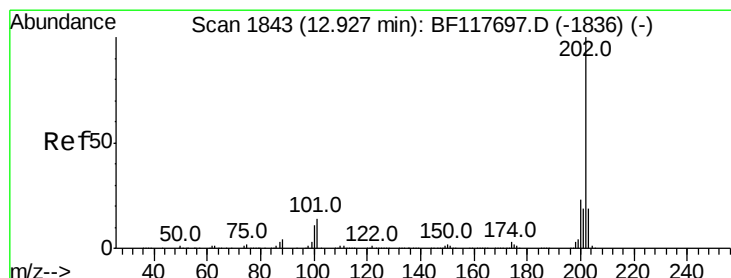
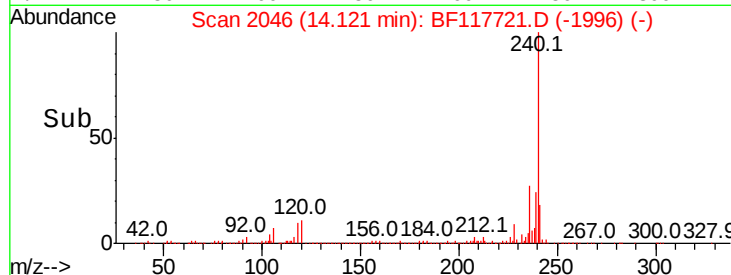
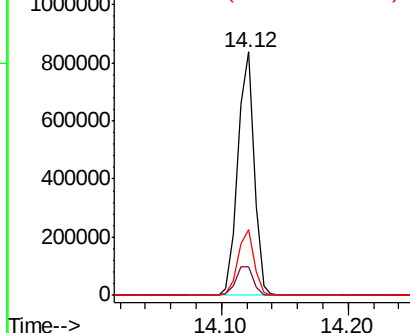
Tot Ion:	240	Resp:	732380
Ion Ratio	Lower	Upper	
240	100		
120	11.5	9.7	14.5
236	26.8	21.9	32.9

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 22.463 ng

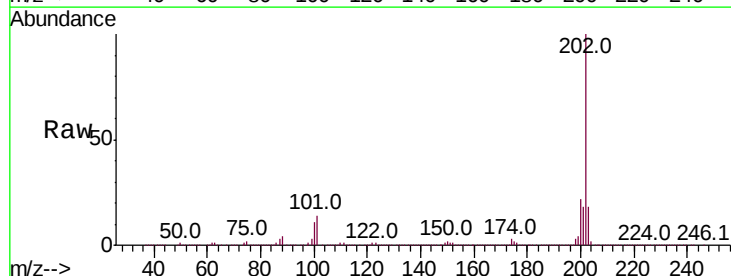
RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

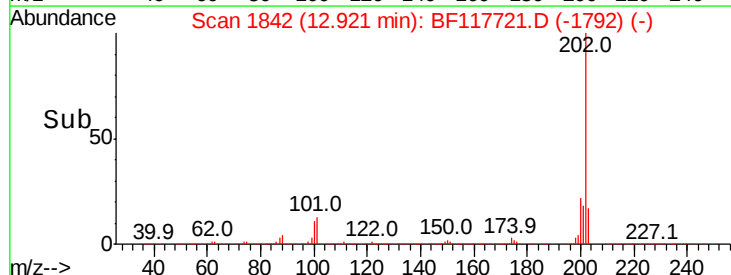
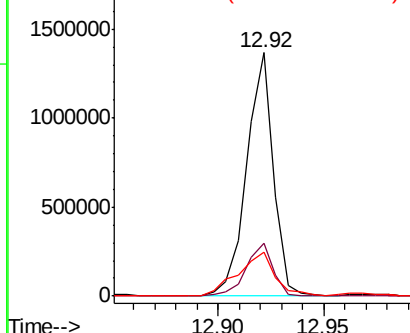
Lab File: BF117721.D

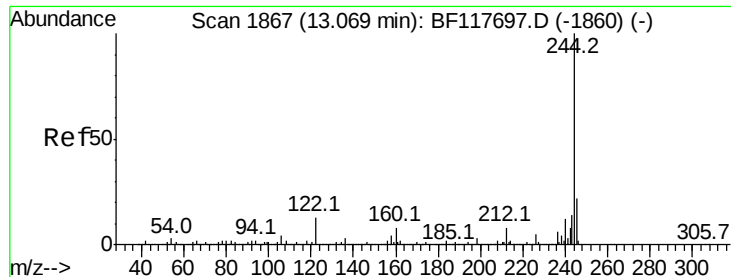
Acq: 7 Nov 2019 22:42

Tgt Ion:	202	Resp:	1200960
Ion Ratio	Lower	Upper	
202	100		
200	21.8	18.8	28.2
203	18.1	15.2	22.8



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





#79

Terphenyl-d14

Concen: 71.413 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

Instrument :

BNA_F

ClientSampleId :

4-D

Tot Ion:244 Resp: 2540656

Ion Ratio Lower Upper

244 100

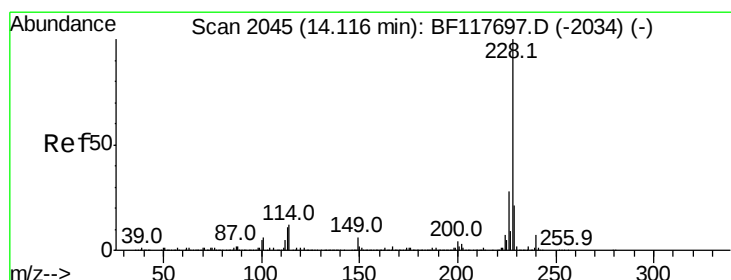
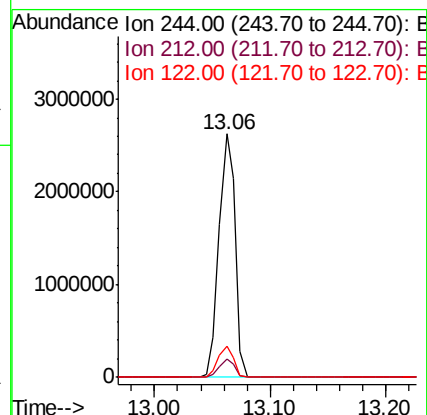
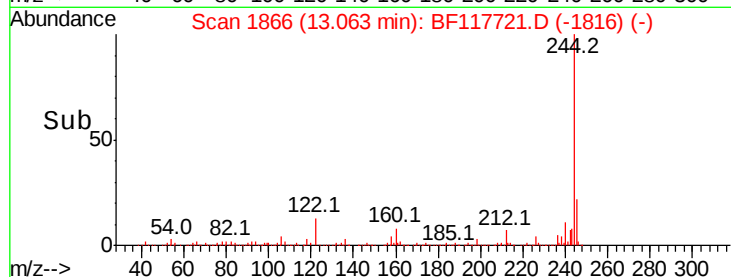
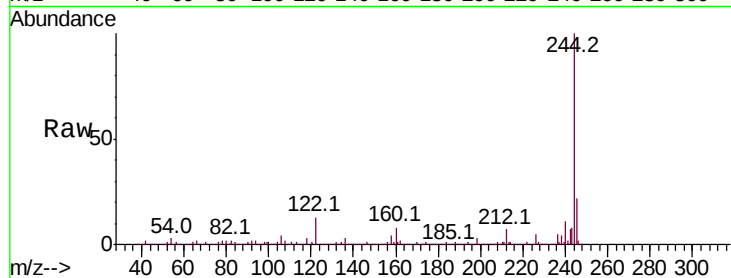
212 7.4 6.4 9.6

122 13.0 10.0 15.0

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11/8/2019 3:31:44 PM



#81

Benzo(a)anthracene

Concen: 10.655 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

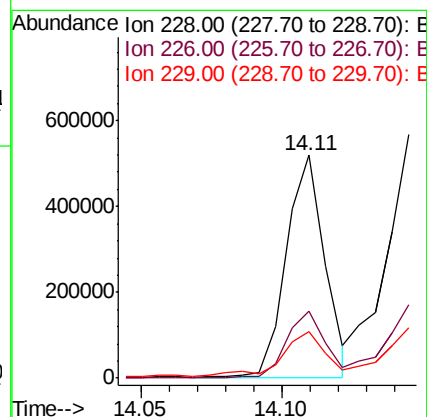
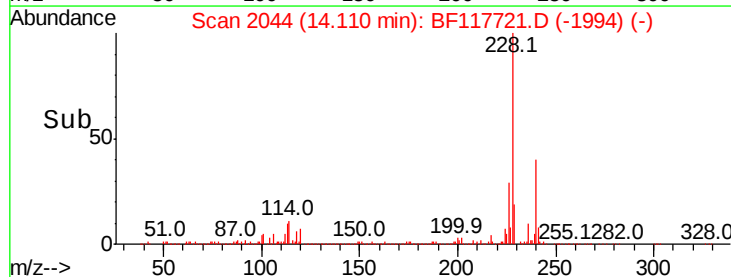
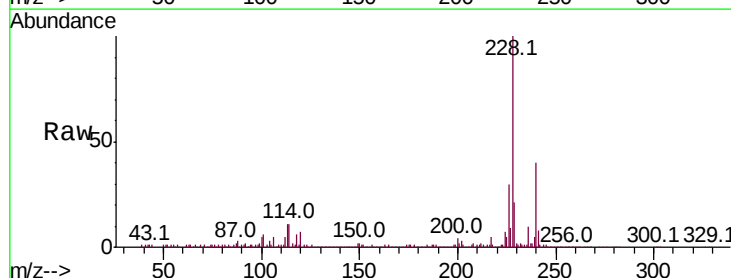
Tgt Ion:228 Resp: 485736

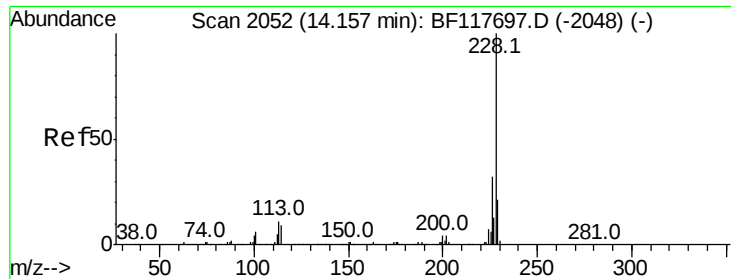
Ion Ratio Lower Upper

228 100

226 29.9 22.8 34.2

229 20.6 16.9 25.3





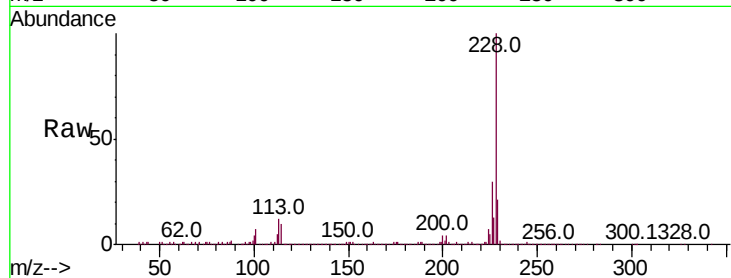
#83
Chrysene
Concen: 11.867 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Instrument :
BNA_F
ClientSampleId :
4-D

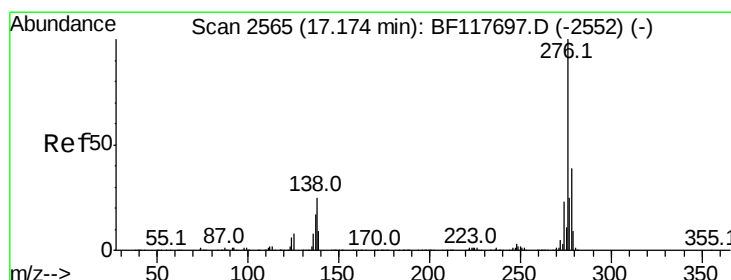
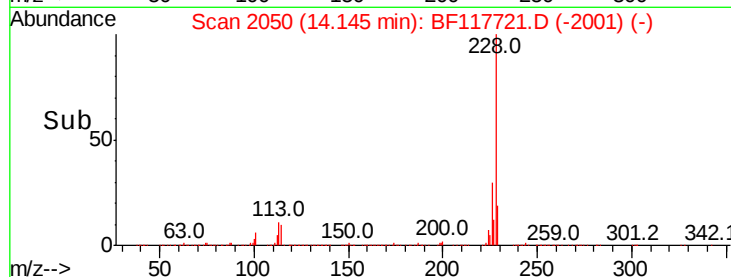
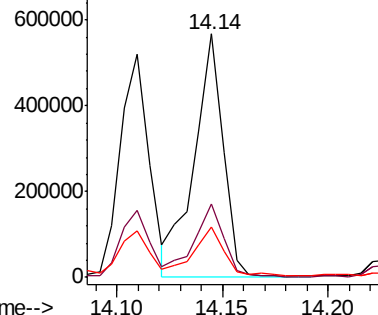
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.2
229	20.6	16.6	24.8

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11/8/2019 3:31:44 PM

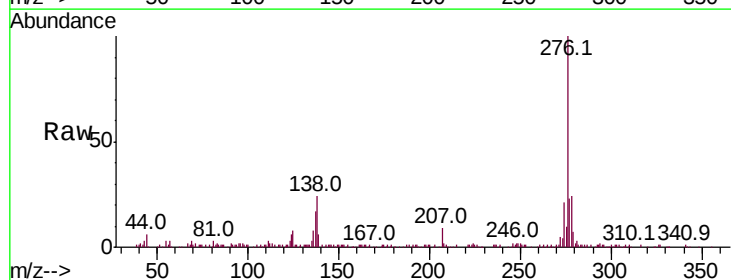


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

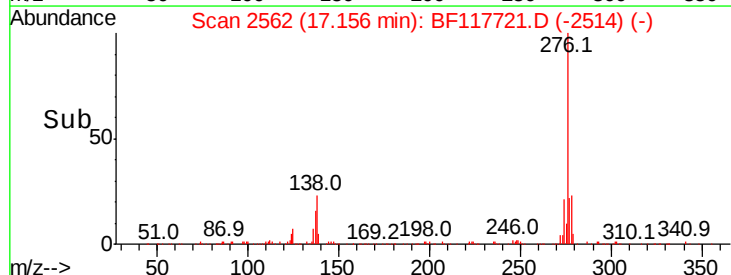
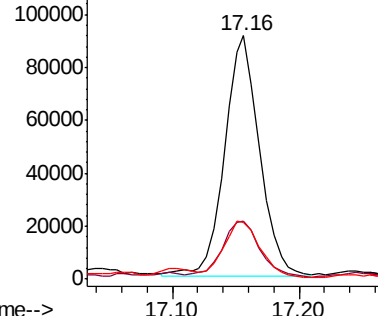


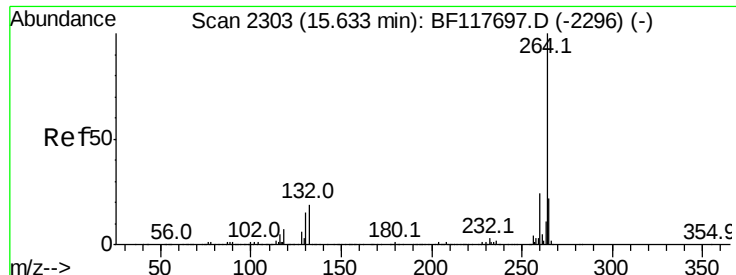
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.151 ng
RT: 17.16 min Scan# 2562
Delta R.T. -0.02 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.9	22.4	33.6
277	24.2	20.6	30.8



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

Pervlene-d12

Concen: 20.000 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.00 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

Instrument :

BNA_F

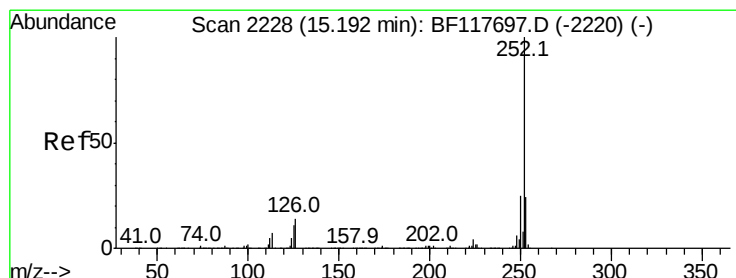
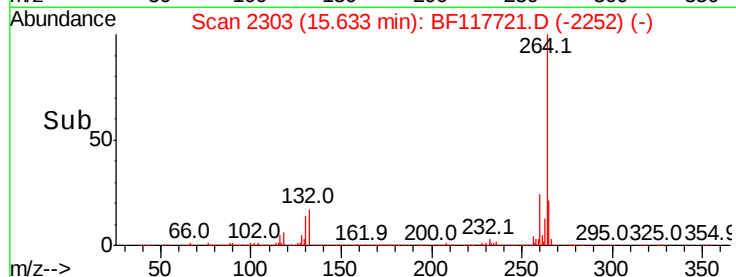
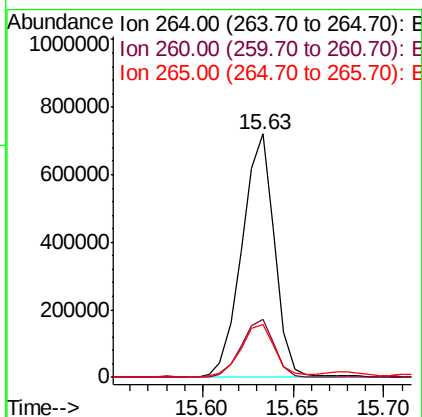
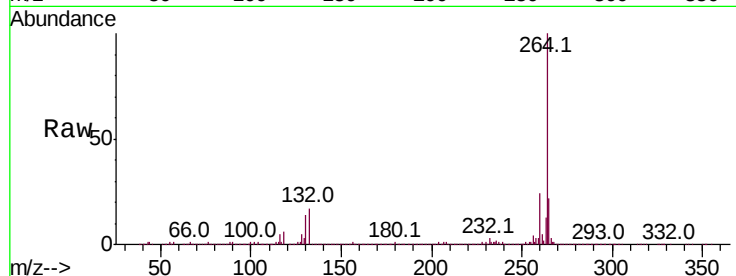
ClientSampled :

4-D

Tot Ion:	264	Resp:	891652
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.8	28.2
265	21.5	17.7	26.5

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11/8/2019 3:31:44 PM



#88

Benzo(b)fluoranthene

Concen: 7.878 ng m

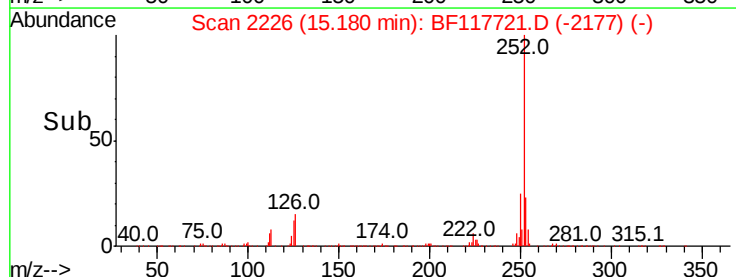
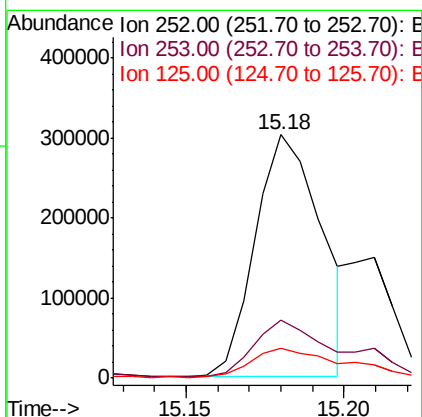
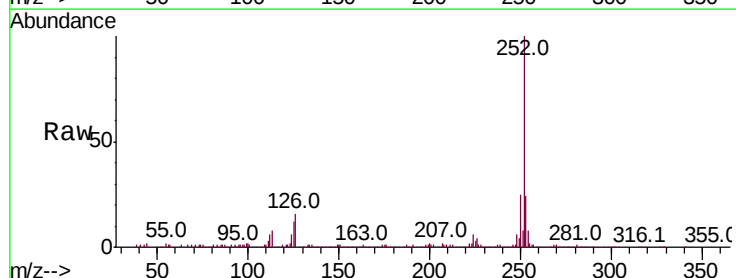
RT: 15.18 min Scan# 2226

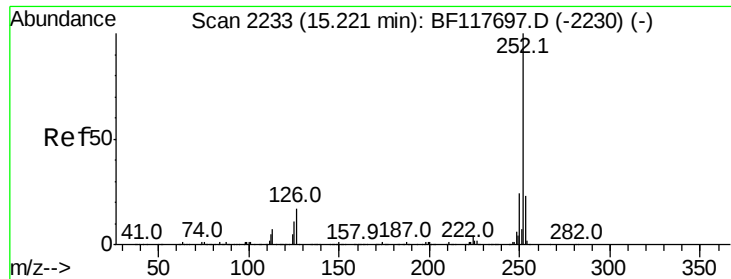
Delta R.T. -0.01 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

Tgt Ion:	252	Resp:	442392
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.9	28.3
125	12.3	8.5	12.7





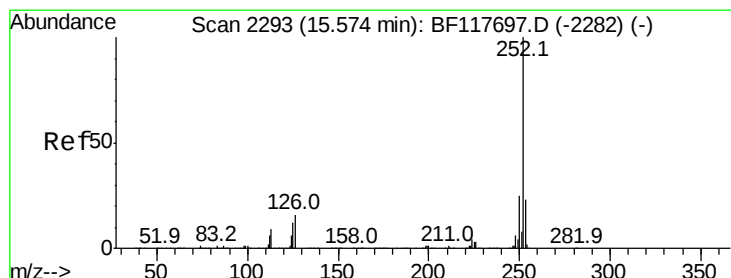
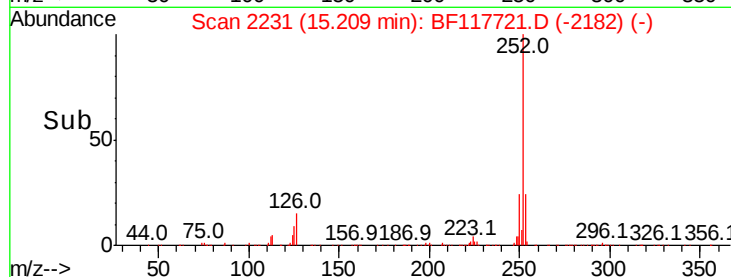
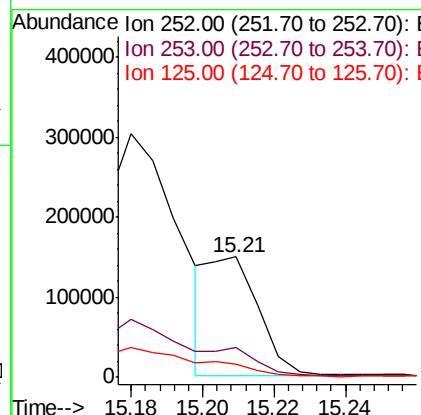
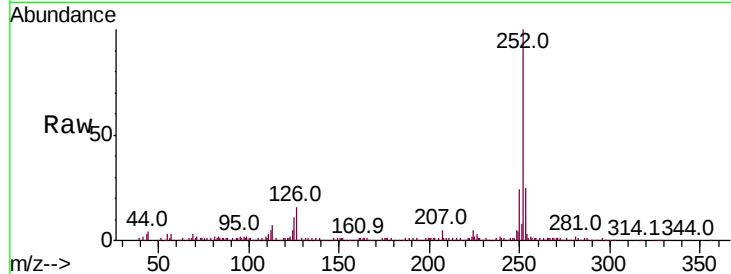
#89
Benzo(k)fluoranthene
Concen: 2.862 ng m
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Instrument :
BNA_F
ClientSampled :
4-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	10.6	9.1	13.7

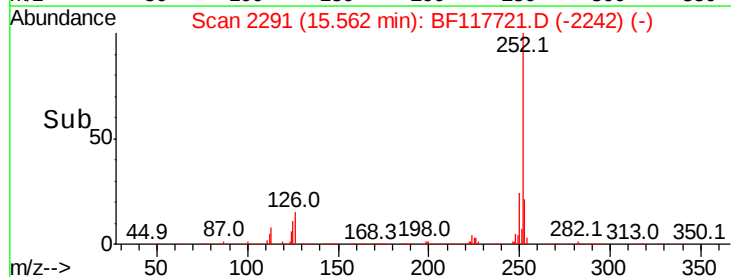
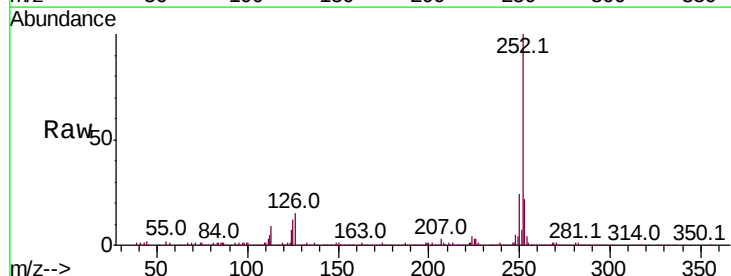
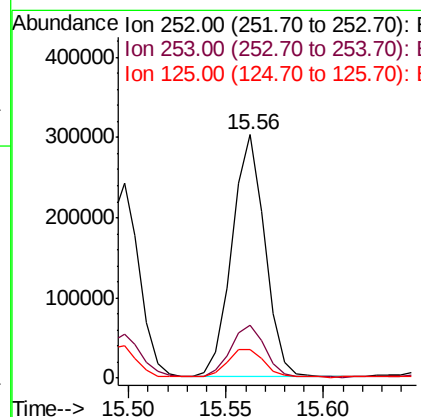
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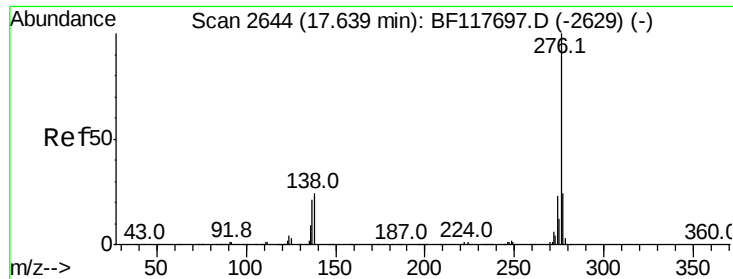
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#90
Benzo(a)pyrene
Concen: 7.275 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	11.7	9.5	14.3





#92
 Benzo(a,h,i)perylene
 Concen: 4.316 ng
 RT: 17.62 min Scan# 2640
 Delta R.T. -0.02 min
 Lab File: BF117721.D
 Acq: 7 Nov 2019 22:42

Instrument :
 BNA_F
 ClientSampleId :
 4-D

Tot Ion:276	Resp:	182625
Ion Ratio	Lower	Upper
276 100		
277 22.4	19.4	29.0
138 24.3	19.2	28.8

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