

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
 Data File : BF117719.D
 Acq On : 7 Nov 2019 21:48
 Operator : JU
 Sample : K5722-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-B

Manual Integrations
 APPROVED

Sohil
 11/8/2019 3:31:42 PM

Quant Time: Nov 08 02:48:40 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	321664	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1213493	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	613088	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1020144	20.00	ng	0.00
76) Chrysene-d12	14.12	240	741081	20.00	ng	0.00
87) Perylene-d12	15.63	264	922409	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1975685	111.18	ng	0.00
7) Phenol-d6	6.55	99	2482830	113.31	ng	0.00
23) Nitrobenzene-d5	7.49	82	1513853	73.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	649449	108.29	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	2615720	84.18	ng	0.00
79) Terphenyl-d14	13.06	244	2377757	66.05	ng	0.00
Target Compounds						
10) Phenol	6.56	94	93093	3.943	ng	97
50) Dimethylphthalate	9.69	163	432075	10.425	ng	99
71) Phenanthrene	11.50	178	931263	19.045	ng	95
72) Anthracene	11.55	178	151280	3.110	ng	98
75) Fluoranthene	12.69	202	885459	17.735	ng	97
78) Pyrene	12.92	202	1263847	23.362	ng	97
81) Benzo(a)anthracene	14.11	228	577796	12.526	ng	98
83) Chrysene	14.14	228	651708m	14.306	ng	
86) Indeno(1,2,3-cd)pyrene	17.16	276	239730	5.654	ng	95
88) Benzo(b)fluoranthene	15.18	252	656048m	11.293	ng	
89) Benzo(k)fluoranthene	15.21	252	143439m	2.768	ng	
90) Benzo(a)pyrene	15.56	252	453670	9.008	ng	100
92) Benzo(a,h,i)perylene	17.62	276	240849	5.502	ng	99

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

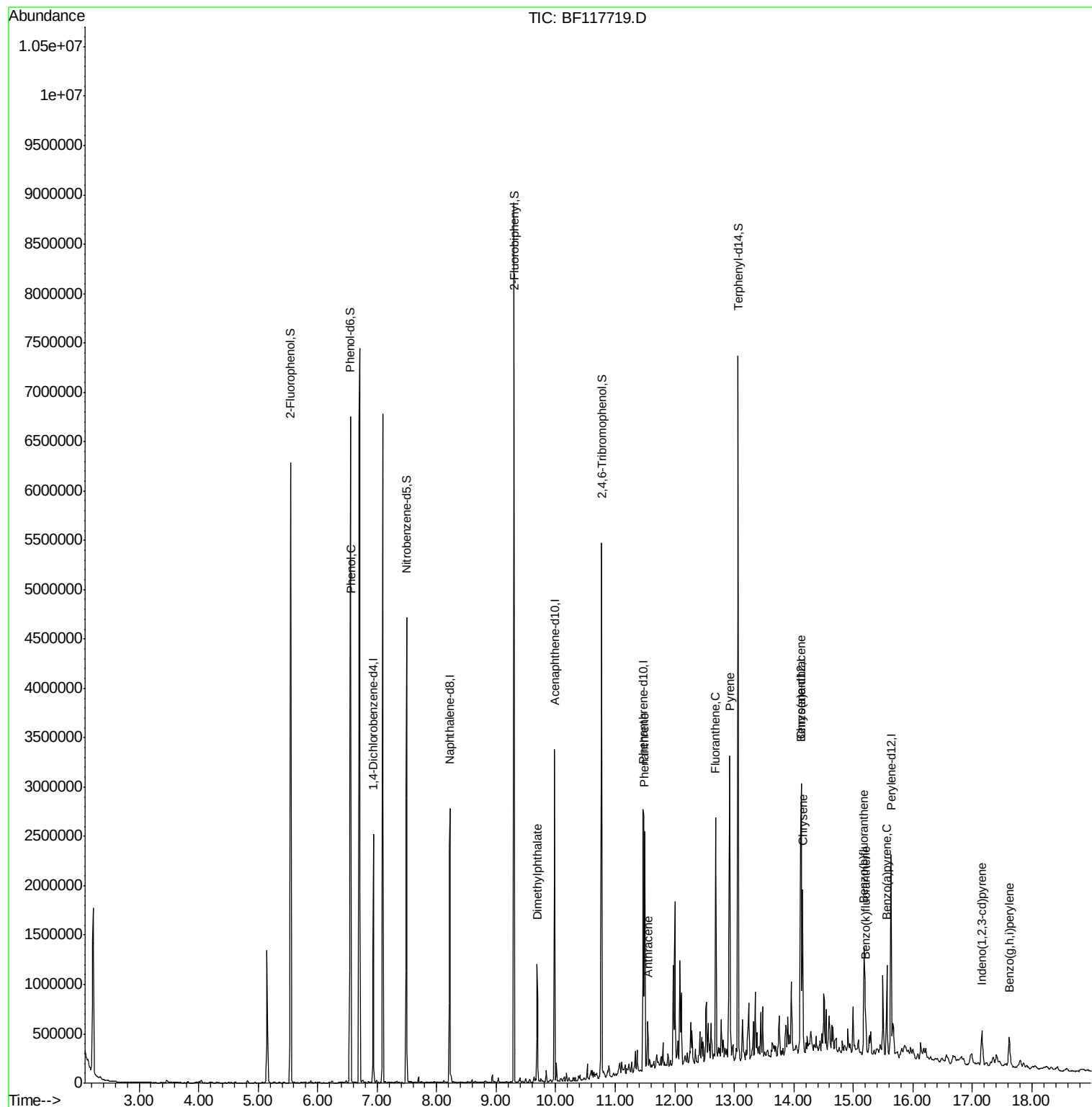
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
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Misc :
ALS Vial : 16 Sample Multiplier: 1

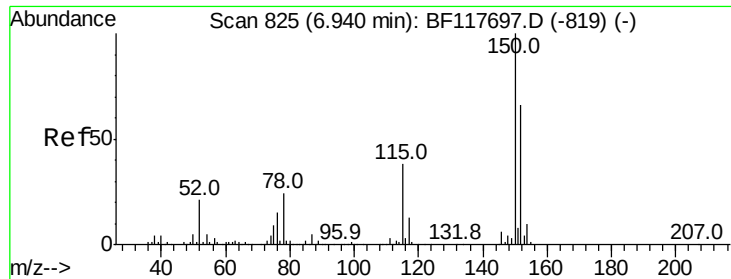
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#1

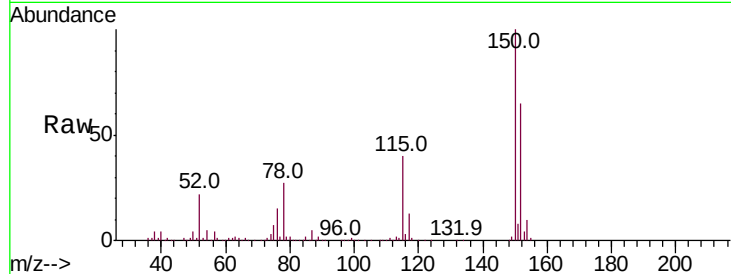
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Instrument :
BNA_F
ClientSampled :
4-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	121.4	182.2
115	61.5	46.7	70.1

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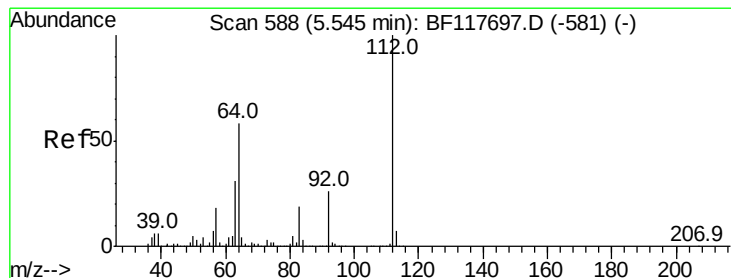
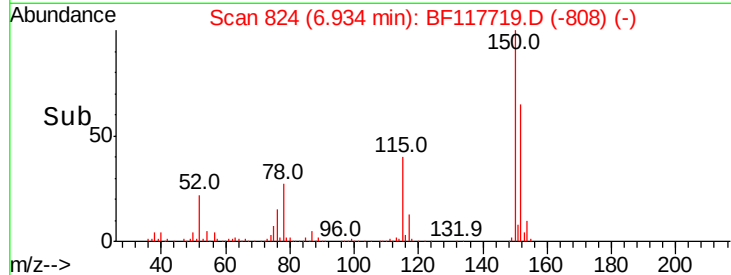
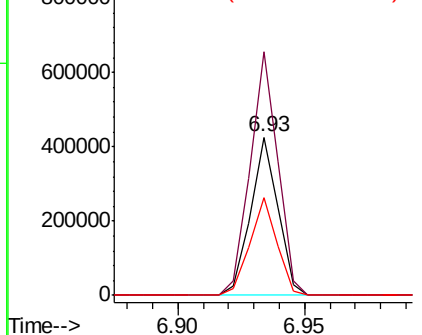


Abundance

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: 111.181 ng
RT: 5.55 min Scan# 589
Delta R.T. 0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

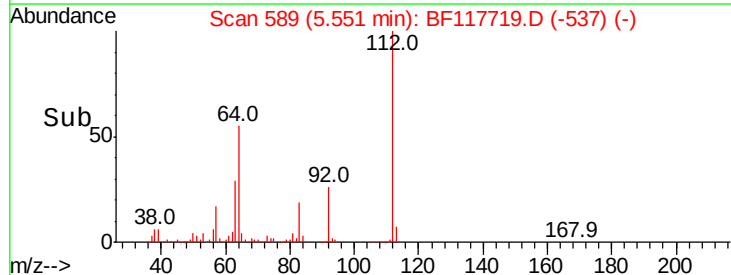
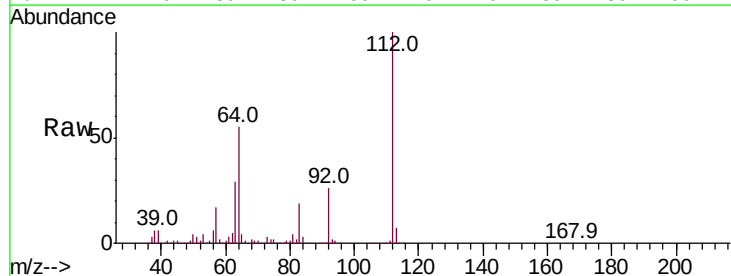
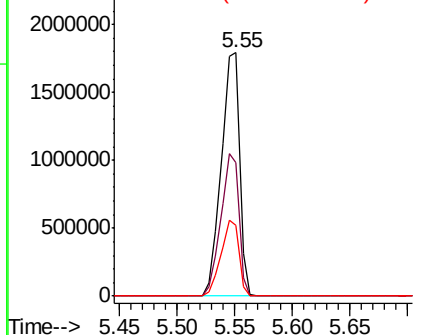
Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	46.4	69.6
63	29.1	24.6	37.0

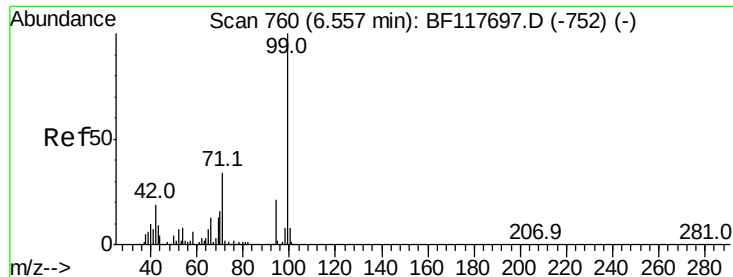
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 113.315 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

Instrument :

BNA_F

ClientSampled :

4-B

Tot Ion: 99 Resp: 2482830

Ion Ratio Lower Upper

99 100

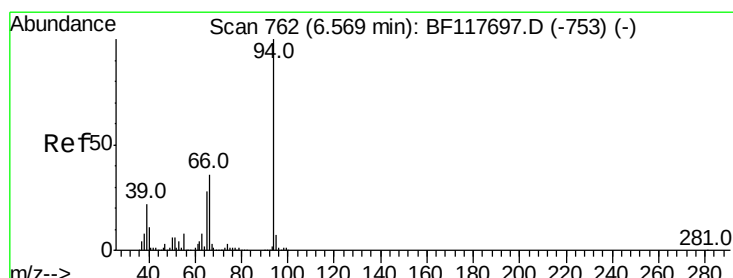
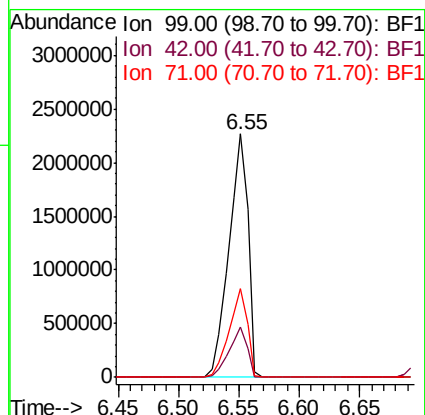
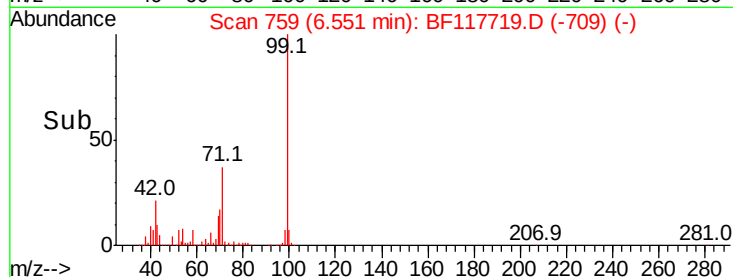
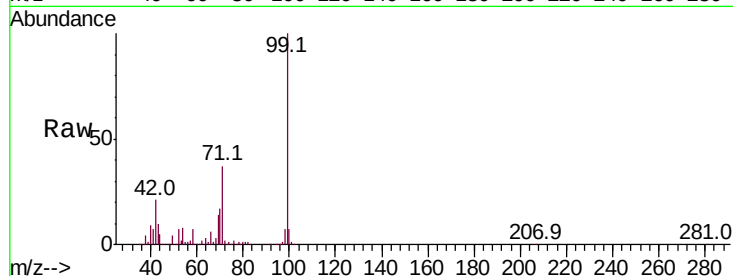
42 20.7 15.3 22.9

71 36.6 26.8 40.2

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#10

Phenol

Concen: 3.943 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

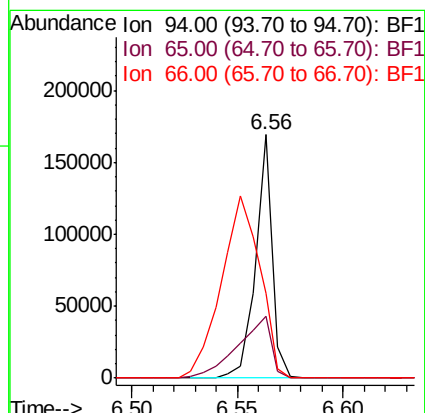
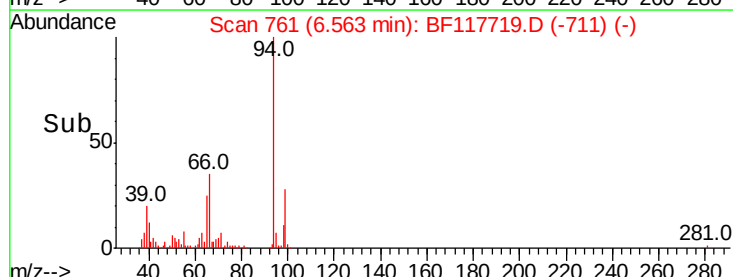
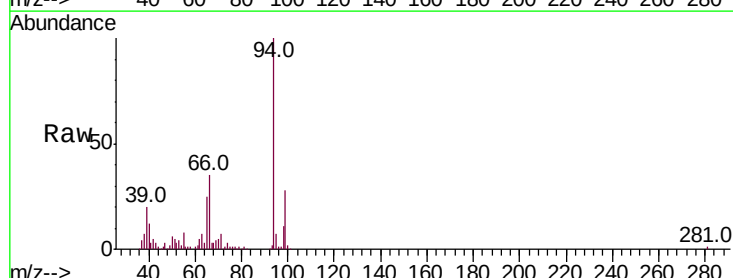
Tgt Ion: 94 Resp: 93093

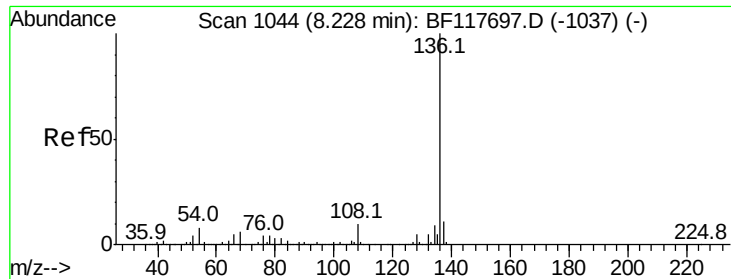
Ion Ratio Lower Upper

94 100

65 25.3 7.6 47.6

66 34.7 16.1 56.1





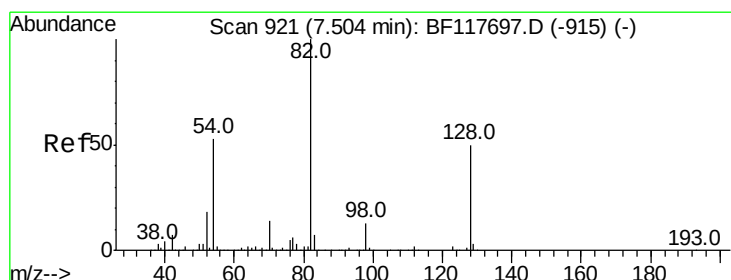
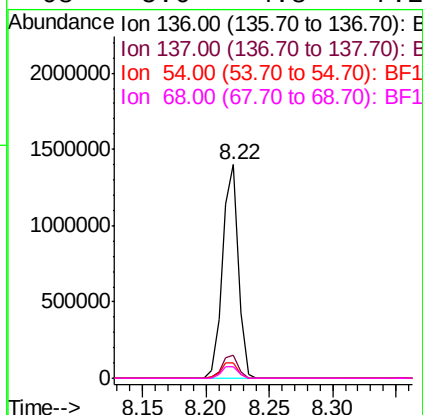
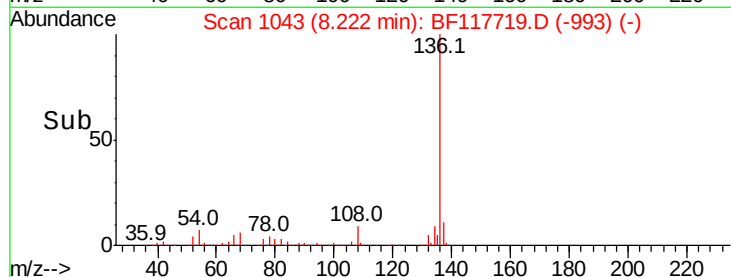
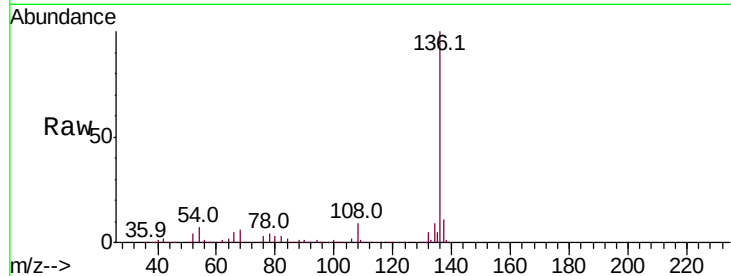
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Instrument :
BNA_F
ClientSampleId :
4-B

Tot Ion	136	Resp	1213493
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.4	6.0	9.0
68	5.6	4.8	7.2

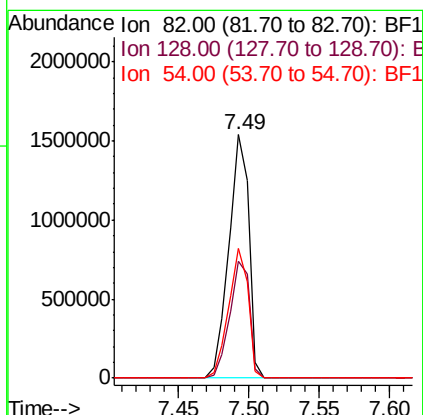
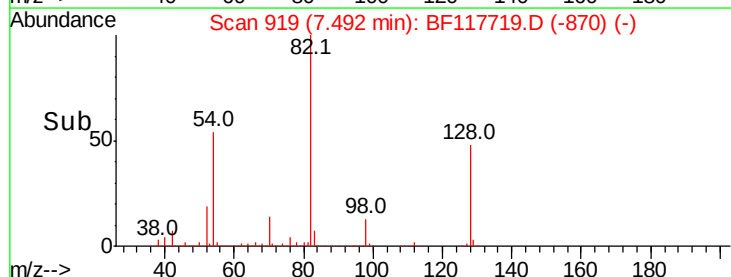
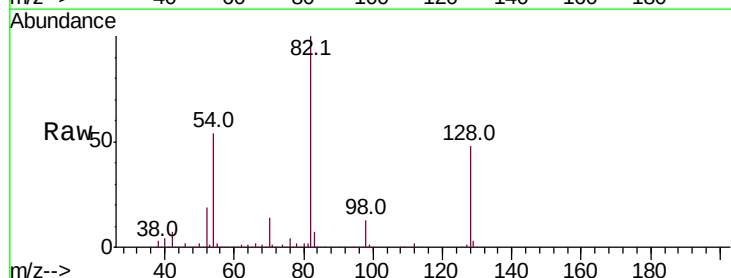
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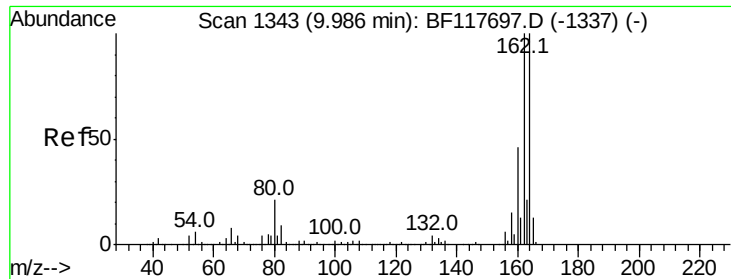
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#23
Nitrobenzene-d5
Concen: 73.652 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion	82	Resp	1513853
Ion	Ratio	Lower	Upper
82	100		
128	48.1	40.2	60.2
54	53.5	42.0	63.0





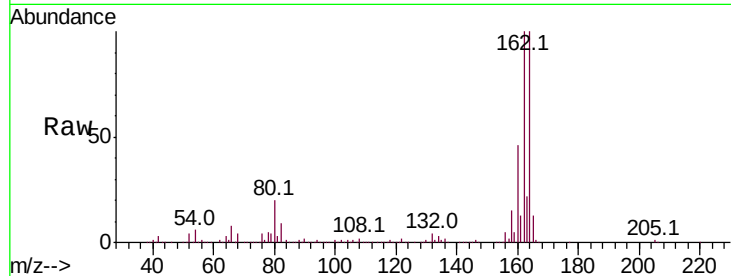
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Instrument :
BNA_F
ClientSampled :
4-B

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.7	119.5
160	45.5	36.5	54.7

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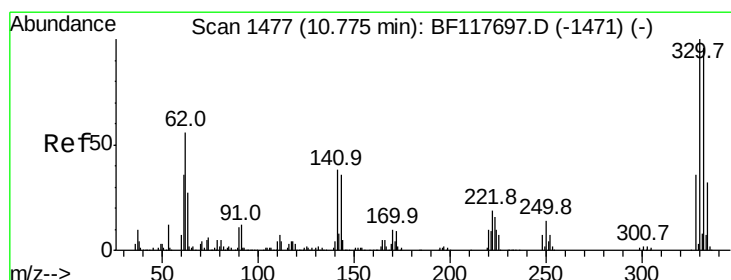
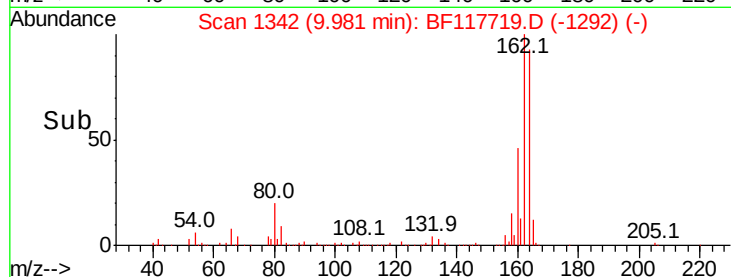
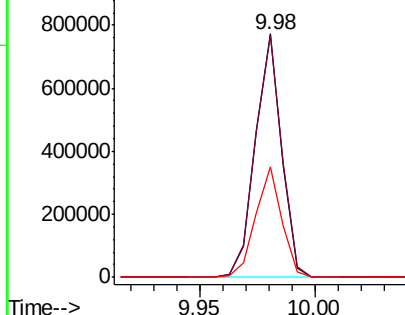


Abundance

Ion 164.00 (163.70 to 164.70): E

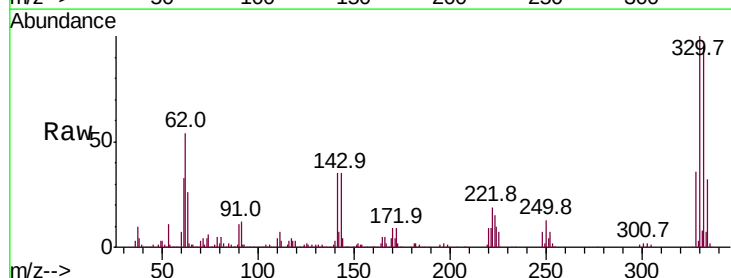
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 108.288 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.4	116.0
141	33.2	28.0	42.0

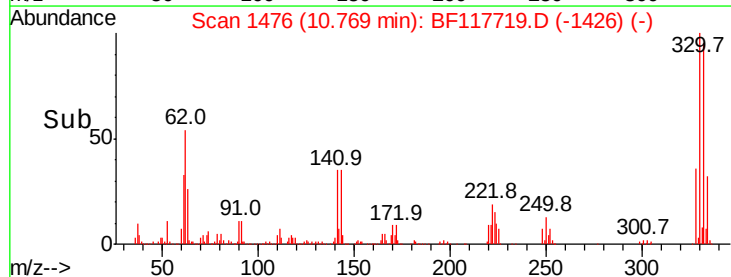
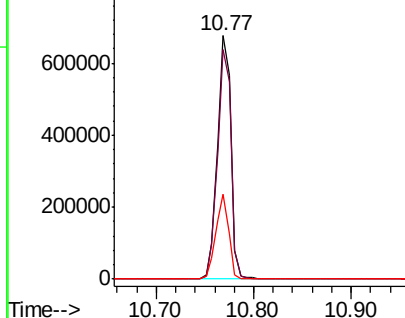


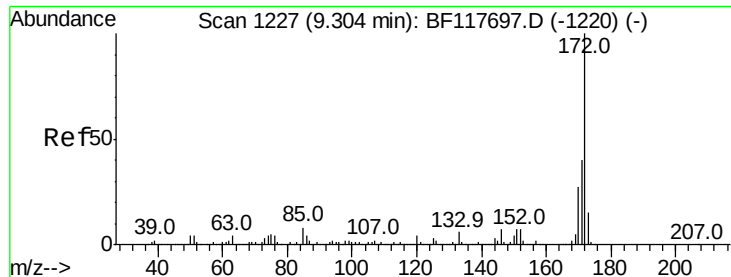
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





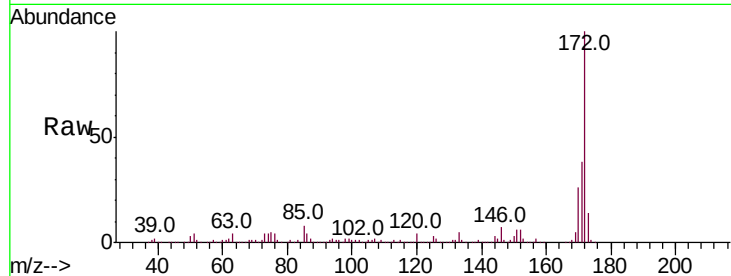
#45
2-Fluorobiphenyl
Concen: 84.178 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Instrument :
BNA_F
ClientSampleId :
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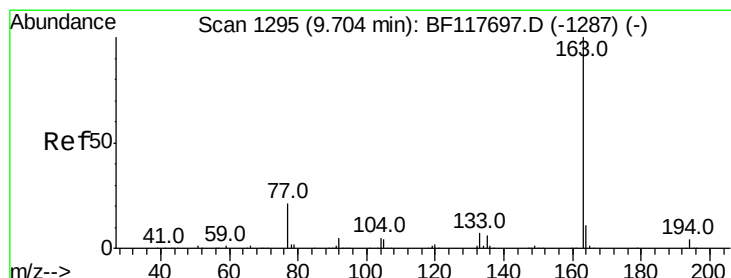
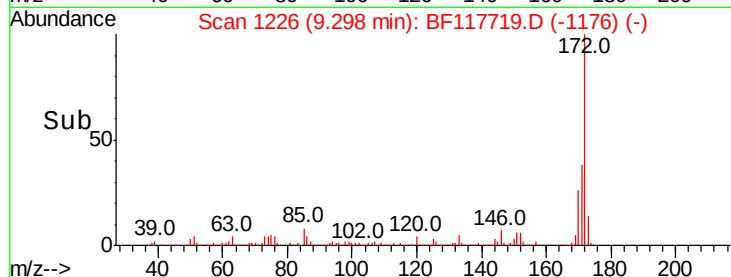
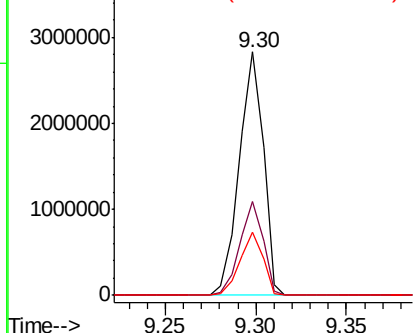
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.8	47.8
170	26.0	21.6	32.4

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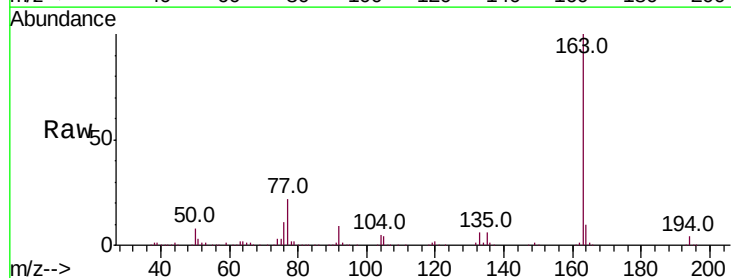


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

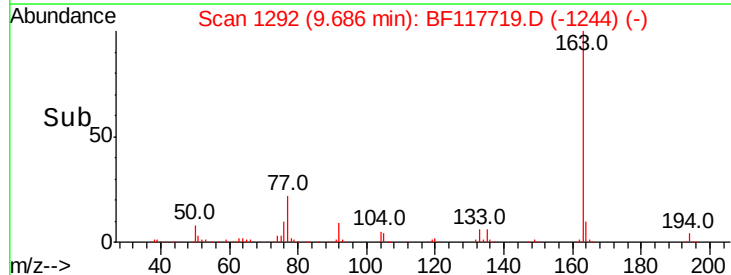
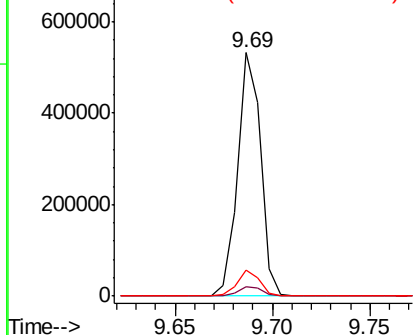


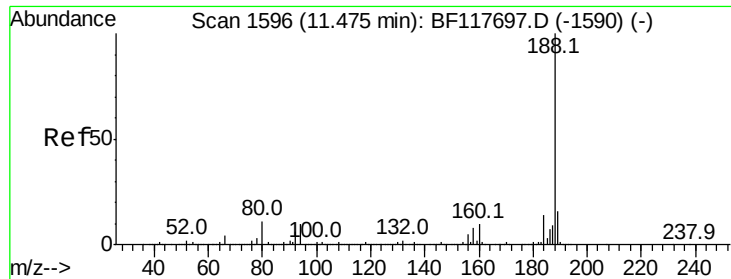
#50
Dimethylphthalate
Concen: 10.425 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	10.5	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





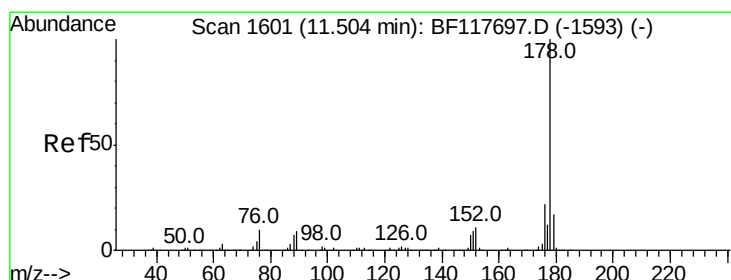
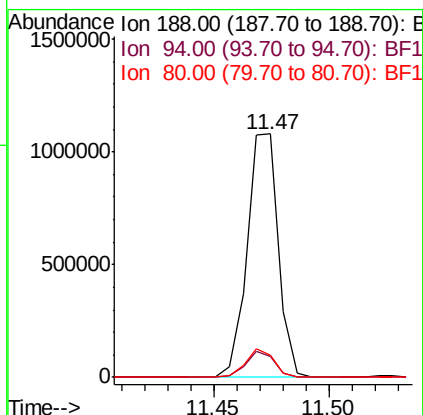
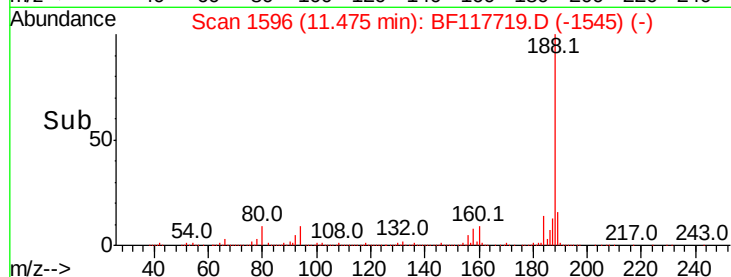
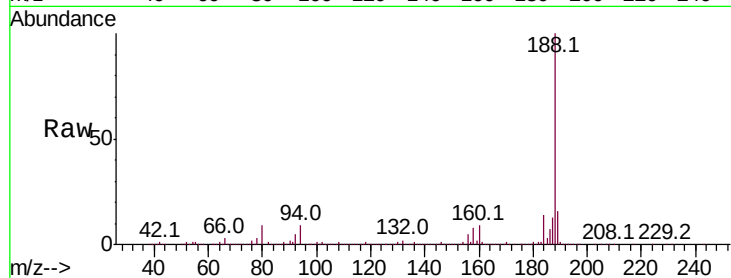
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. 0.00 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Instrument :
BNA_F
ClientSampled :
4-B

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.2	12.4
80	9.2	8.6	13.0

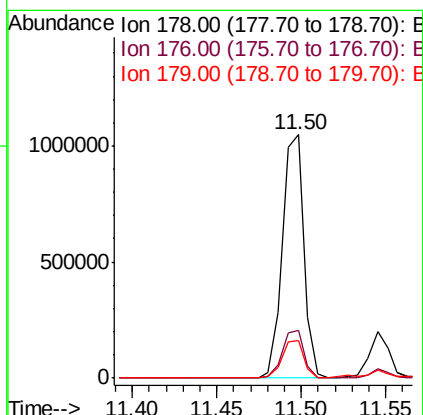
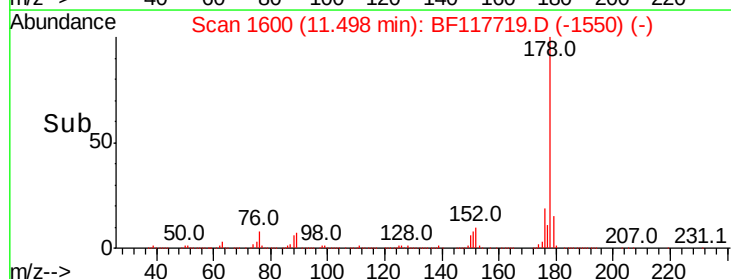
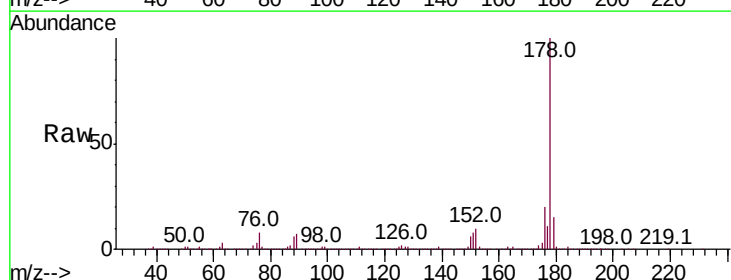
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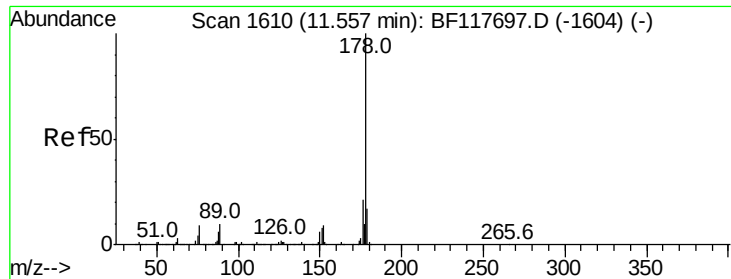
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#71
Phenanthrene
Concen: 19.045 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	17.7	26.5
179	15.3	13.8	20.8





#72

Anthracene

Concen: 3.110 ng

RT: 11.55 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

Instrument :

BNA_F

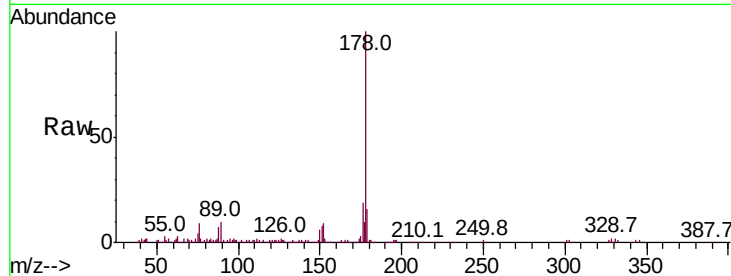
ClientSampled :

4-B

Tot Ion:	178	Resp:	151280
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.6	25.0
179	16.3	13.5	20.3

Manual Integrations
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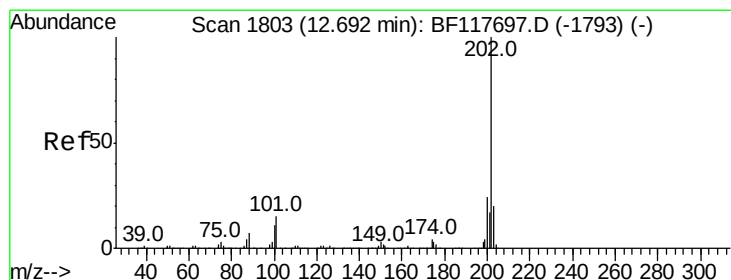
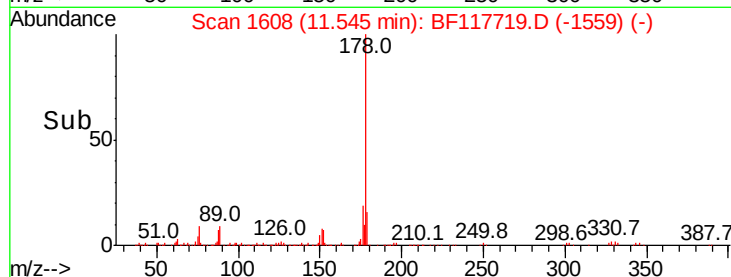
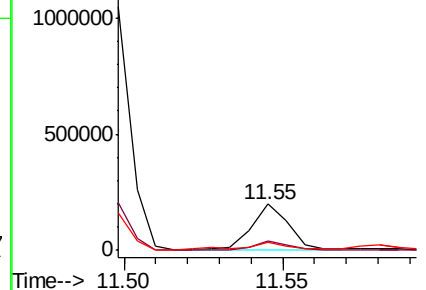
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 17.735 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117719.D

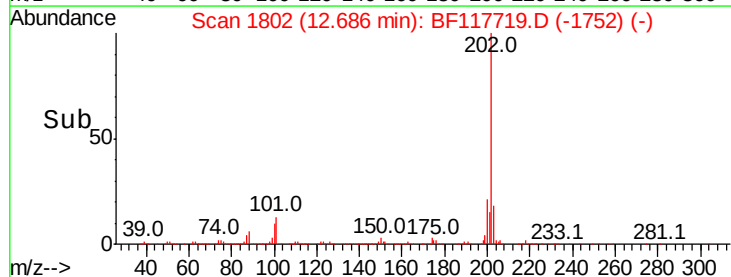
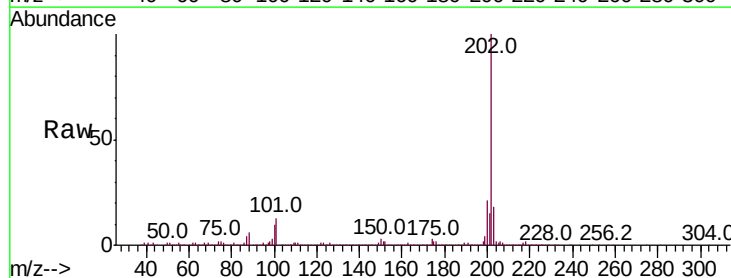
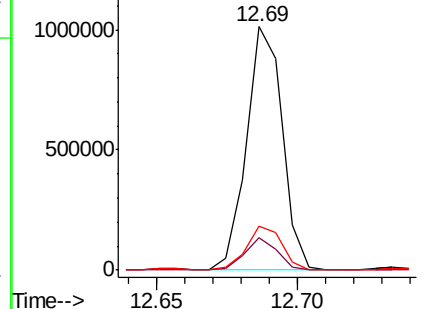
Acq: 7 Nov 2019 21:48

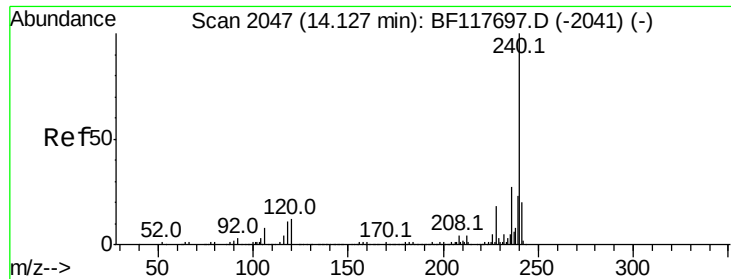
Tgt Ion:	202	Resp:	885459
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	34.5
203	18.0	0.0	39.8

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





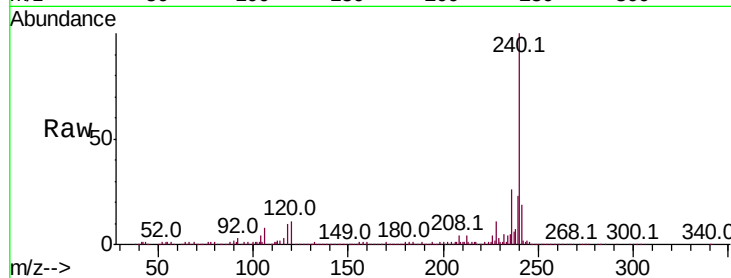
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Instrument :
BNA_F
ClientSampled :
4-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.7	14.5
236	26.2	21.9	32.9

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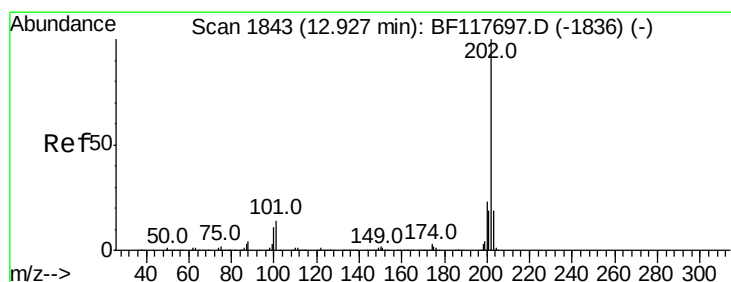
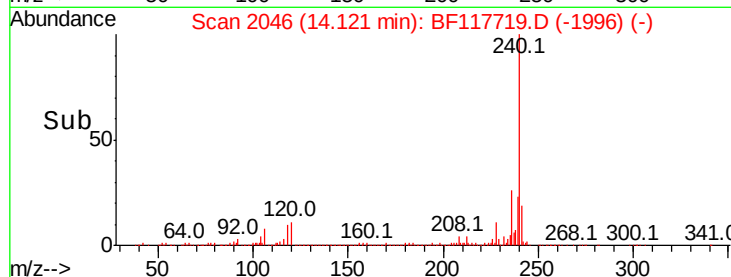
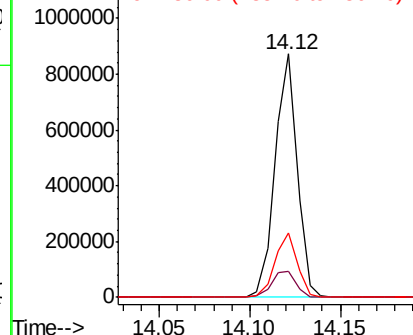


Abundance

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: 23.362 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

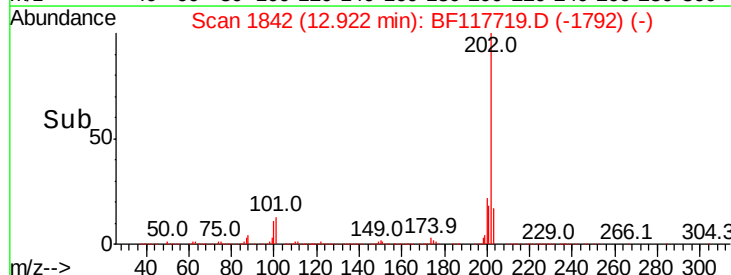
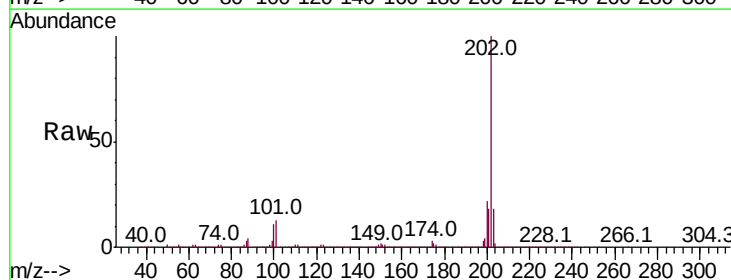
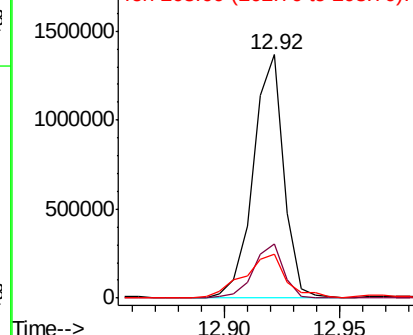
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.8	28.2
203	18.1	15.2	22.8

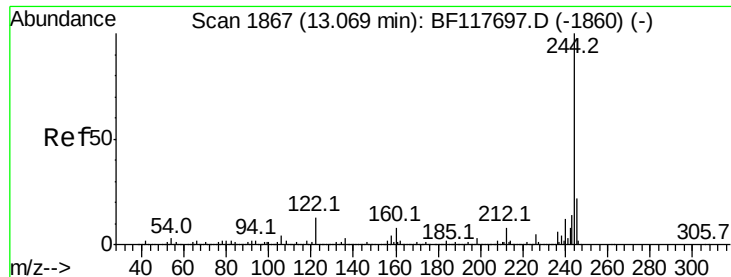
Abundance

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





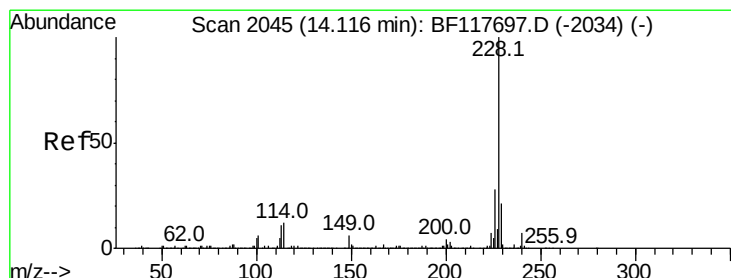
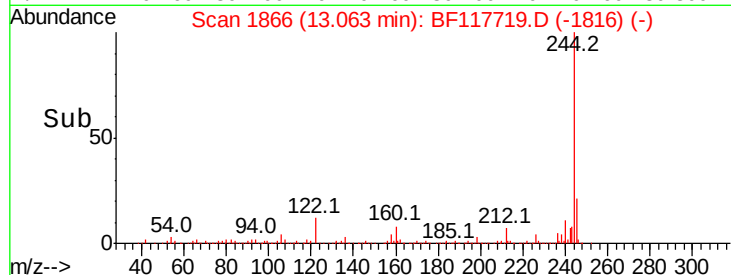
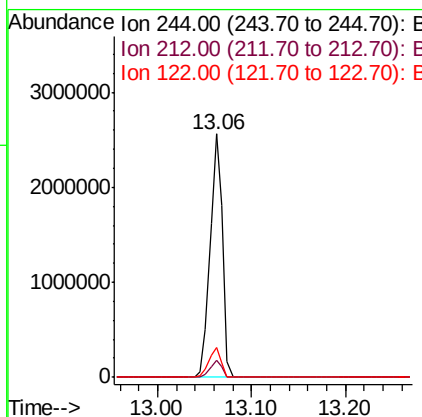
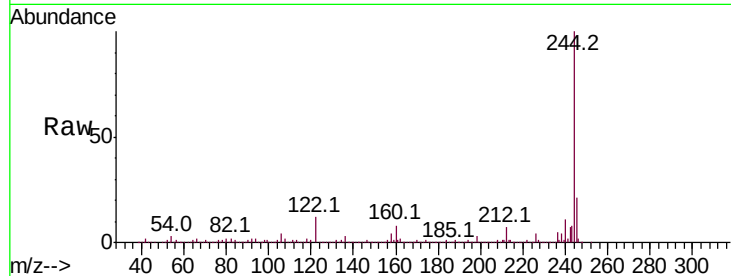
#79
 Terphenyl-d14
 Concen: 66.050 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF117719.D
 Acq: 7 Nov 2019 21:48

Instrument :
 BNA_F
 ClientSampleId :
 4-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.4	9.6
122	12.2	10.0	15.0

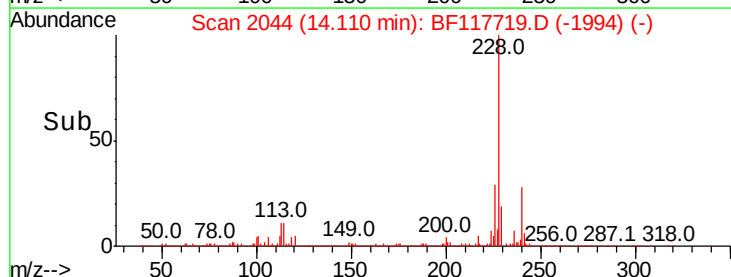
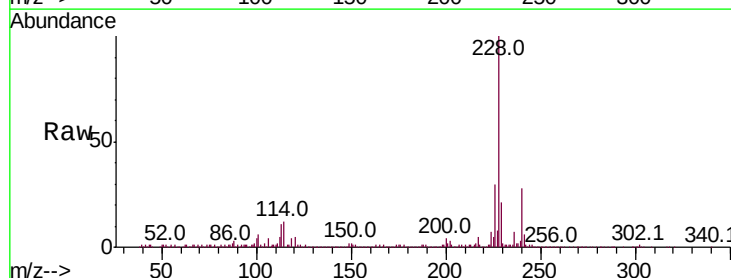
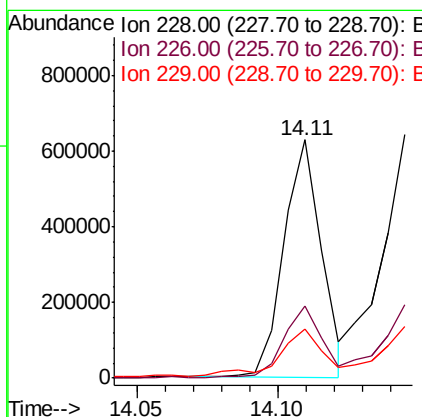
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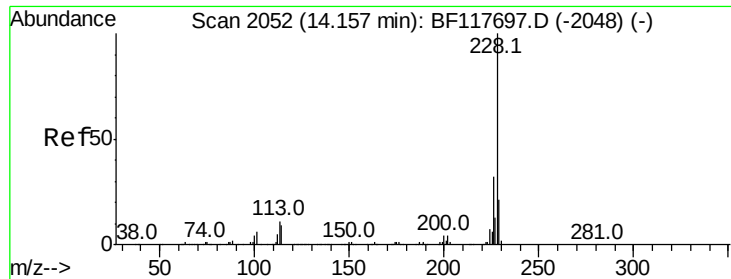
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#81
 Benzo(a)anthracene
 Concen: 12.526 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BF117719.D
 Acq: 7 Nov 2019 21:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.8	34.2
229	20.8	16.9	25.3





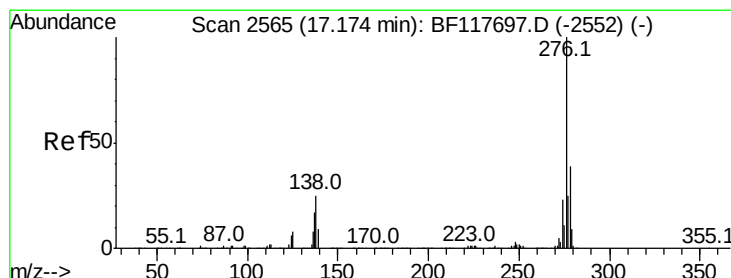
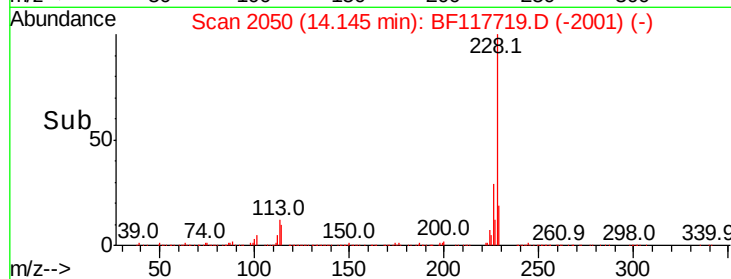
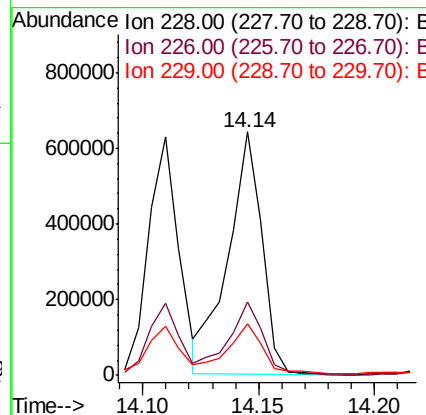
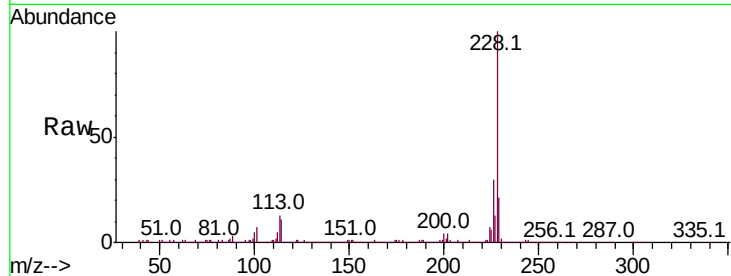
#83
Chrysene
Concen: 14.306 ng m
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Instrument :
BNA_F
ClientSampled :
4-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.2
229	21.1	16.6	24.8

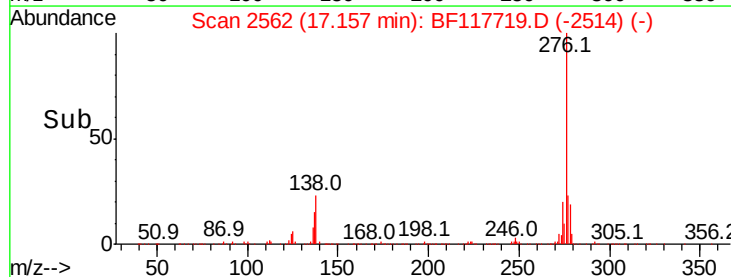
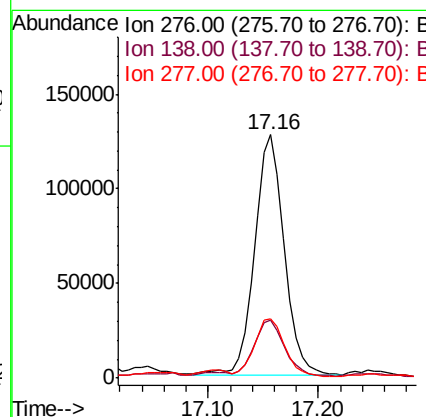
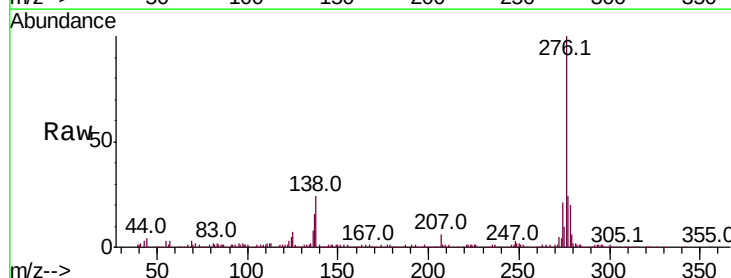
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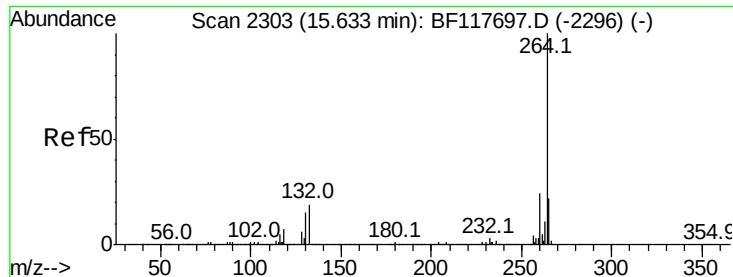
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.654 ng
RT: 17.16 min Scan# 2562
Delta R.T. -0.02 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.4	22.4	33.6
277	24.7	20.6	30.8





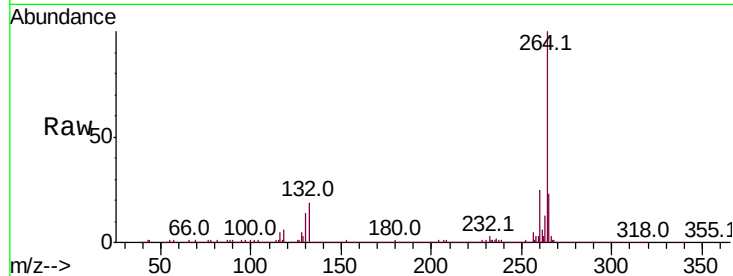
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Instrument :
BNA_F
ClientSampled :
4-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.8	28.2
265	23.0	17.7	26.5

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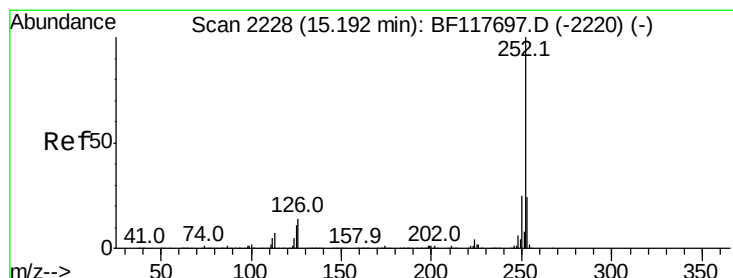
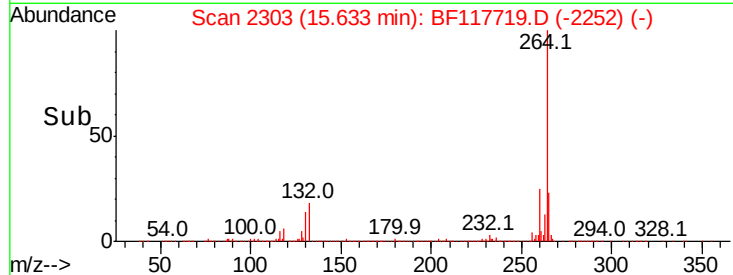
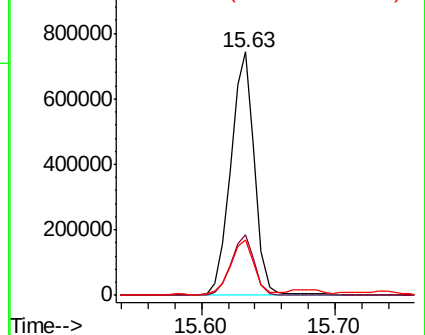


Abundance

Ion 264.00 (263.70 to 264.70): E

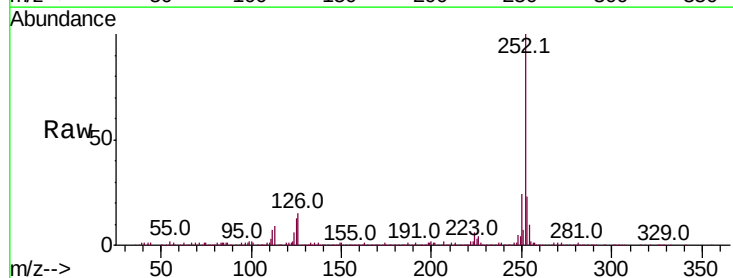
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 11.293 ng m
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.9	28.3
125	12.9	8.5	12.7#

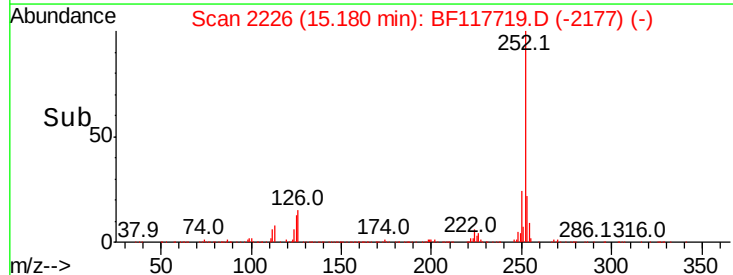
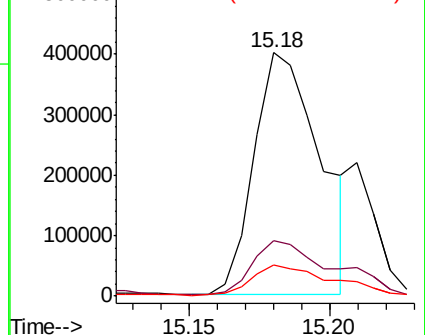


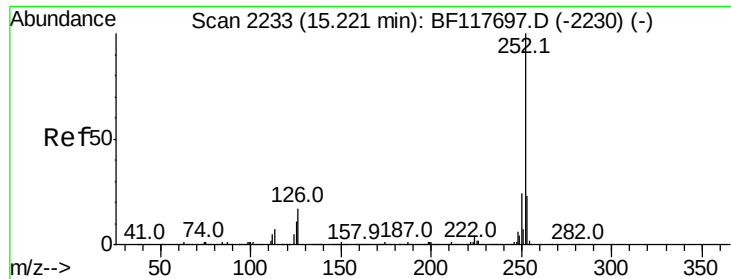
Abundance

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





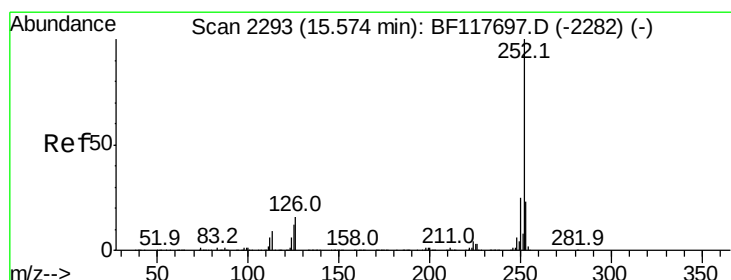
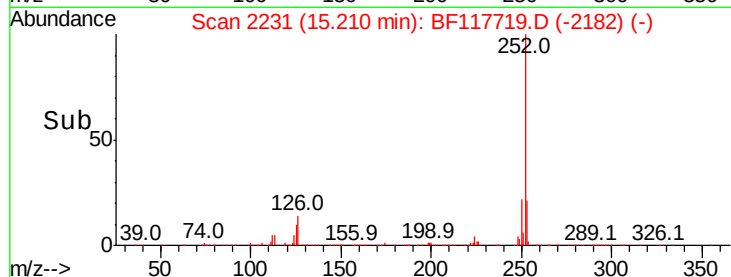
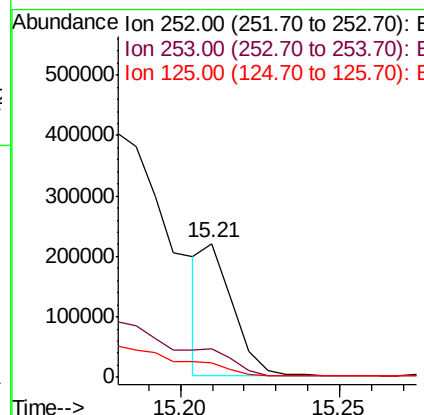
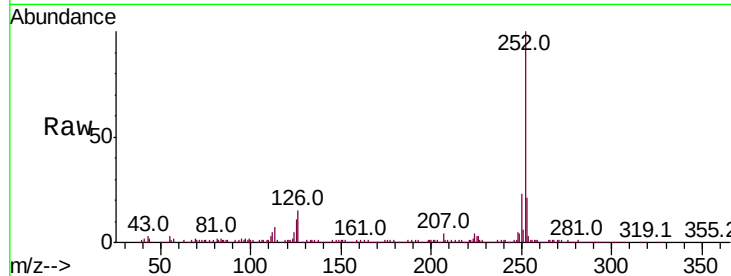
#89
Benzo(k)fluoranthene
Concen: 2.768 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Instrument :
BNA_F
ClientSampled :
4-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	10.5	9.1	13.7

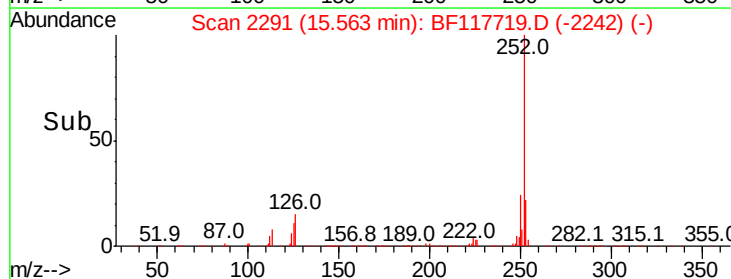
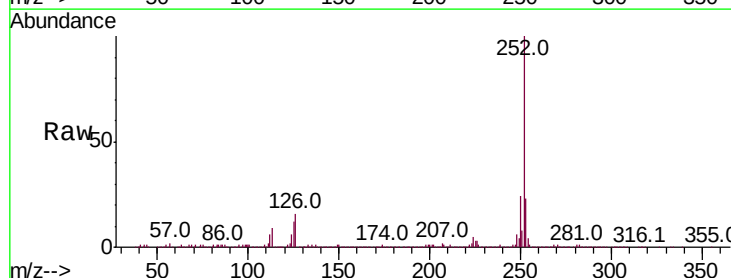
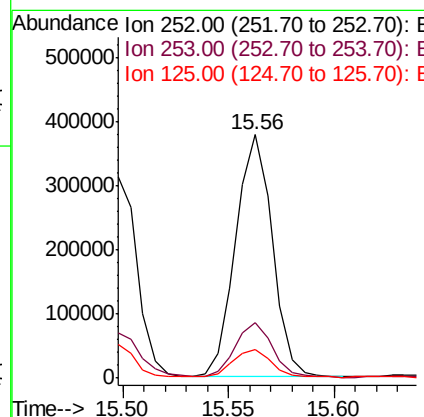
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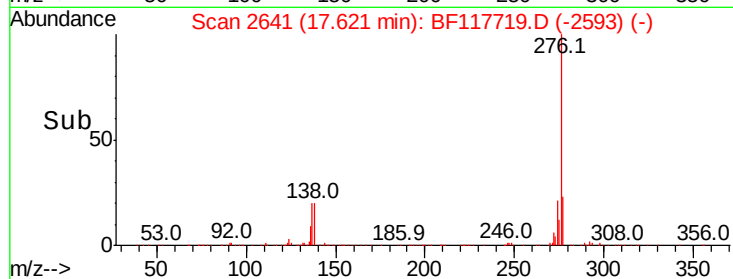
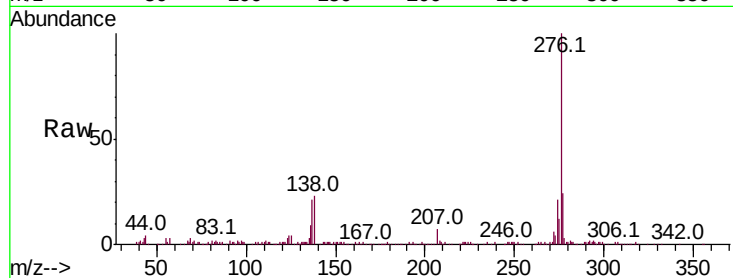
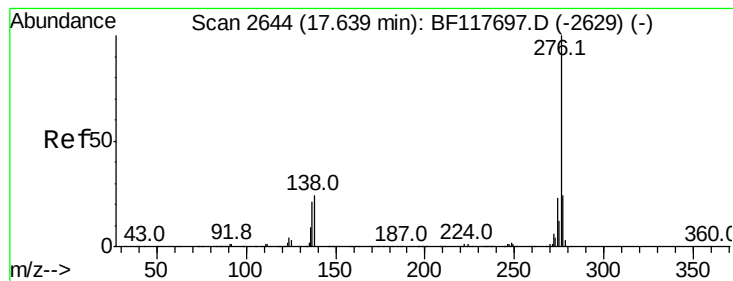
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#90
Benzo(a)pyrene
Concen: 9.008 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	11.5	9.5	14.3





#92

Benzo(a,h,i)perylene

Concen: 5.502 ng

RT: 17.62 min Scan# 2641

Delta R.T. -0.02 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

Instrument :

BNA_F

ClientSampleId :

4-B

Tot Ion:	276	Resp:	240849
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.4	29.0
138	22.9	19.2	28.8

Manual Integrations
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