

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
 Data File : BF120054.D
 Acq On : 17 Apr 2020 12:59
 Operator : MA/SJ
 Sample : L2245-34
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-27

Manual Integrations
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Quant Time: Apr 17 13:33:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 10:51:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	191991	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	692712	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	311185	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	463558	20.00	ng	0.00
76) Chrysene-d12	13.90	240	318871	20.00	ng	0.00
87) Perylene-d12	15.33	264	301696	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1086870	97.83	ng	0.01
7) Phenol-d6	6.37	99	1395429	97.48	ng	0.00
23) Nitrobenzene-d5	7.29	82	886315	66.19	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	279501	73.36	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1593401	72.70	ng	0.00
79) Terphenyl-d14	12.84	244	1225773	64.68	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	141032	5.859	ng	99
52) Acenaphthene	9.80	154	43756	2.132	ng	94
71) Phenanthrene	11.28	178	592761	24.027	ng	100
72) Anthracene	11.33	178	123828	4.913	ng	100
73) Carbazole	11.49	167	50369	2.113	ng	98
75) Fluoranthene	12.47	202	627259	23.564	ng	97
78) Pyrene	12.70	202	649030	24.144	ng	100
81) Benzo(a)anthracene	13.89	228	297623	14.188	ng	98
83) Chrysene	13.92	228	258731	12.139	ng	97
86) Indeno(1,2,3-cd)pyrene	16.71	276	123145	6.554	ng	95
88) Benzo(b)fluoranthene	14.92	252	322767m	14.872	ng	
89) Benzo(k)fluoranthene	14.94	252	95025m	5.075	ng	
90) Benzo(a)pyrene	15.26	252	232809	12.758	ng	97
91) Dibenzo(a,h)anthracene	16.72	278	36124m	2.235	ng	
92) Benzo(a,h,i)perylene	17.13	276	113105	7.089	ng	96

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

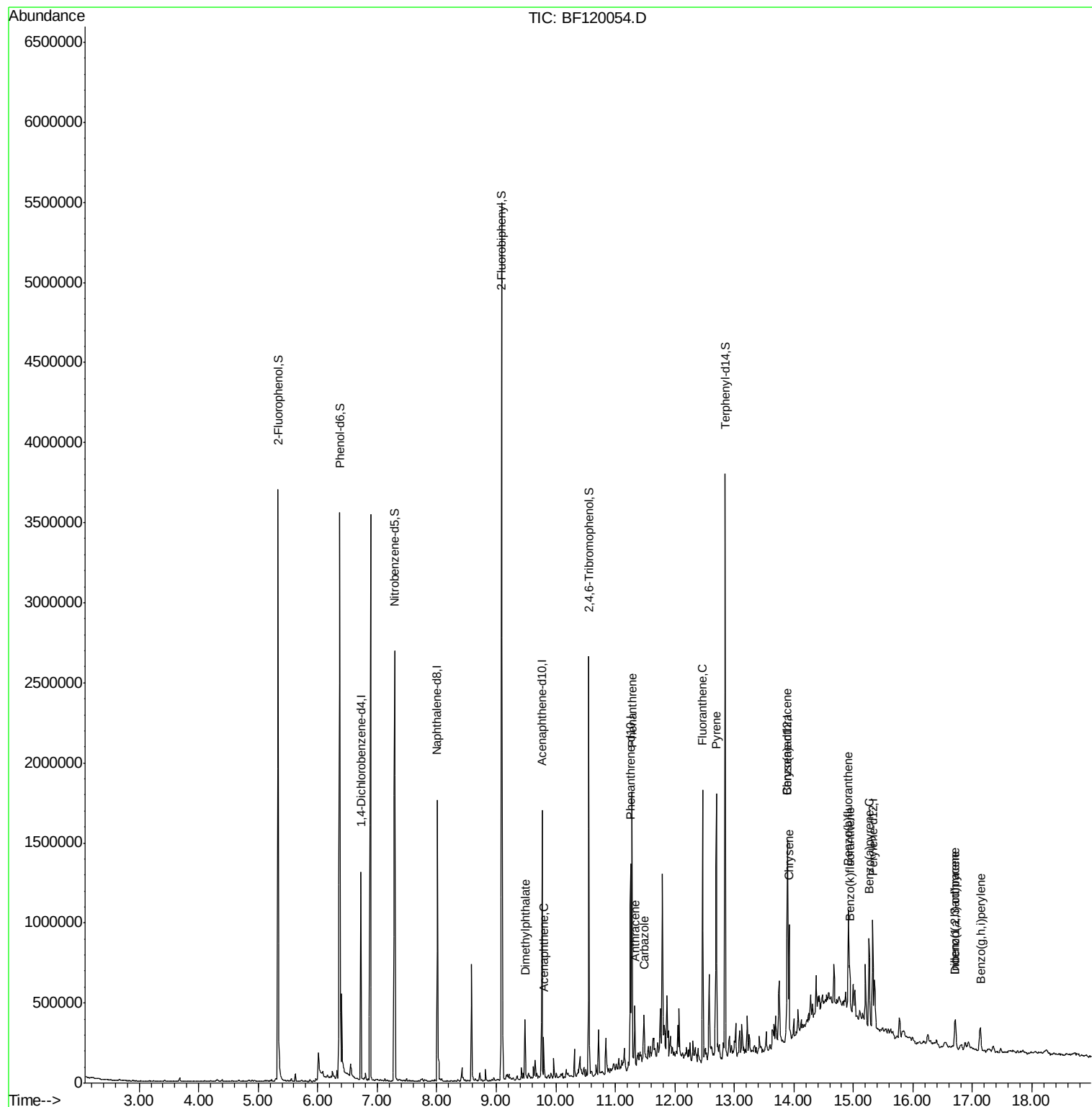
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120054.D
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Operator : MA/SJ
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Misc :
ALS Vial : 9 Sample Multiplier: 1

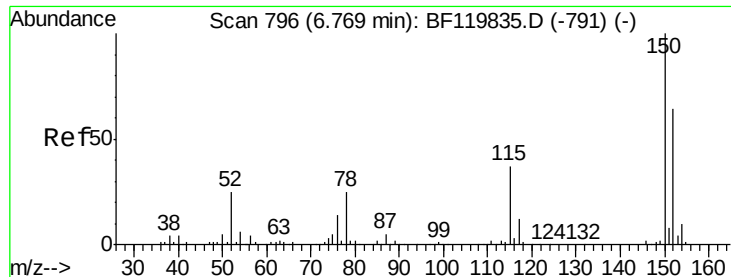
Instrument :
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TP-27

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#1

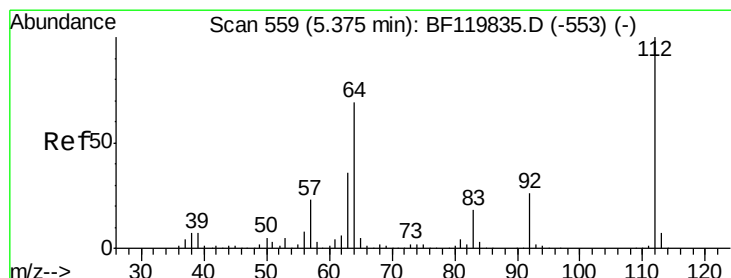
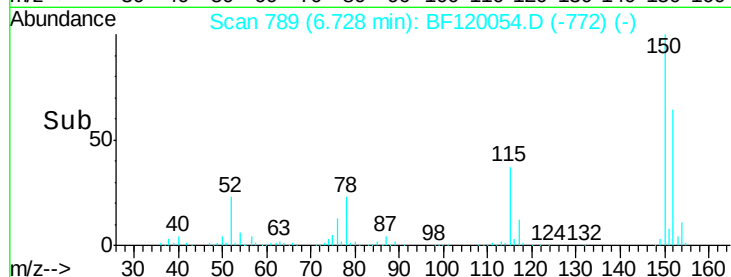
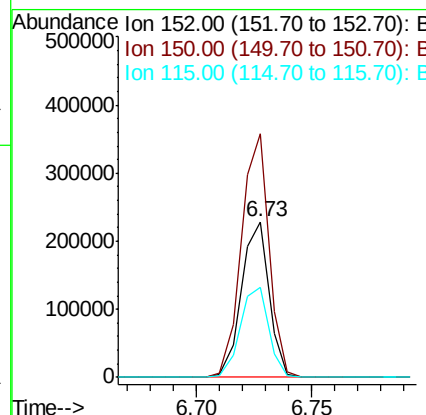
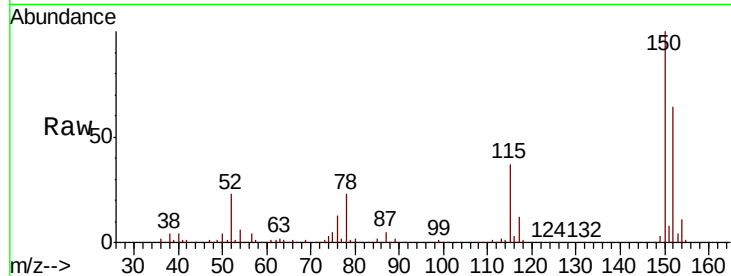
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Instrument :
BNA_F
ClientSampled :
TP-27

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.8	187.2
115	57.8	46.5	69.7

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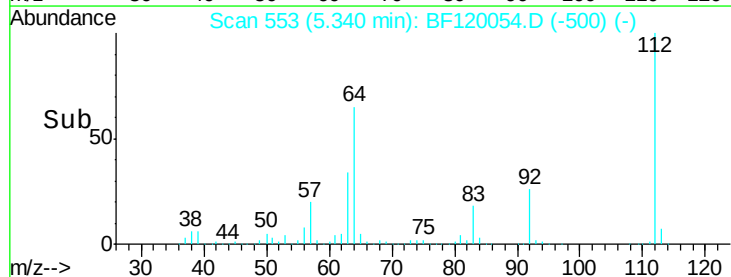
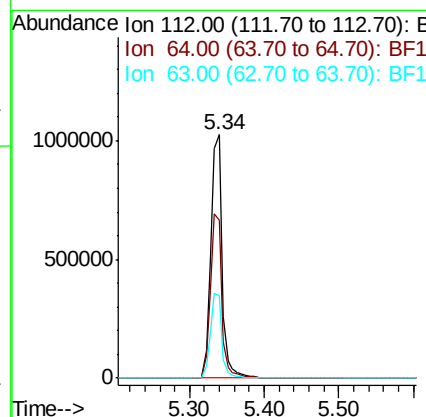
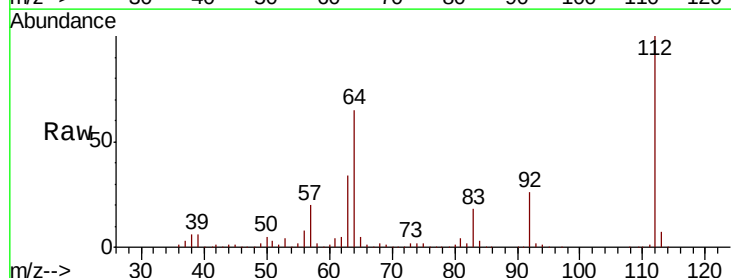
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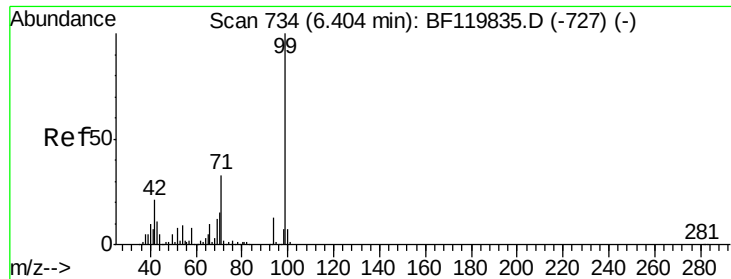


#5

2-Fluorophenol
Concen: 97.833 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	55.5	83.3
63	33.9	29.1	43.7





#7

Phenol-d6

Concen: 97.480 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

Instrument :

BNA_F

ClientSampleId :

TP-27

Tot Ion: 99 Resp: 1395429

Ion Ratio Lower Upper

99 100

42 19.8 16.9 25.3

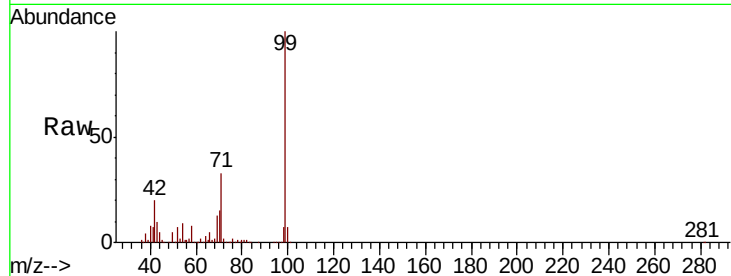
71 33.2 26.3 39.5

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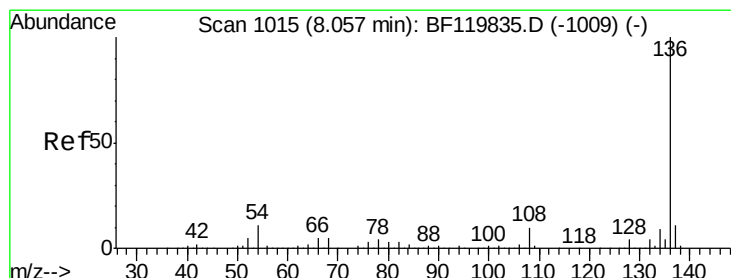
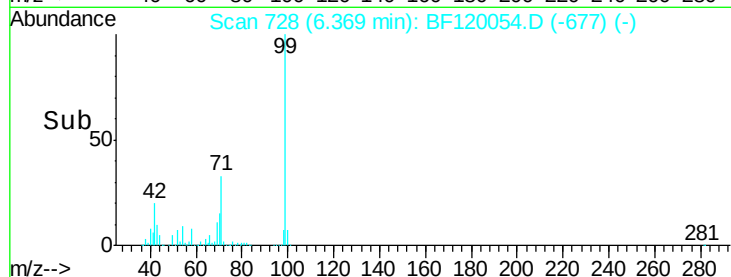
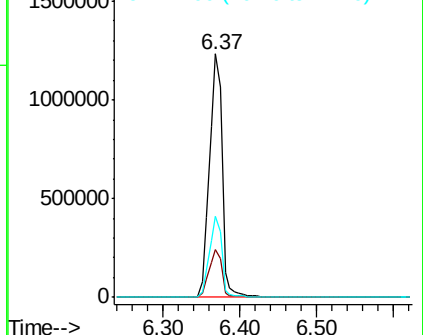
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

Tgt Ion: 136 Resp: 692712

Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 10.3 8.5 12.7

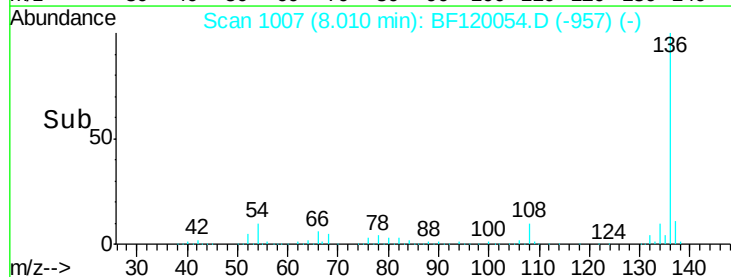
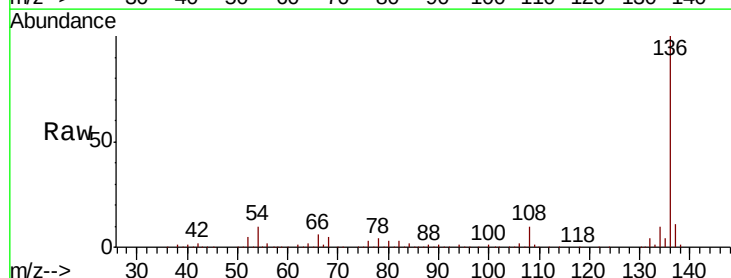
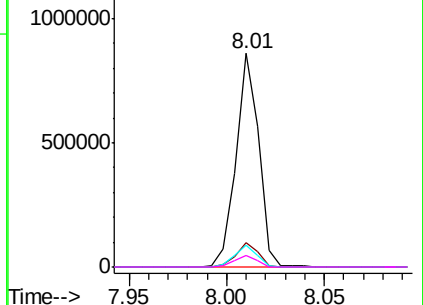
68 5.5 3.9 5.9

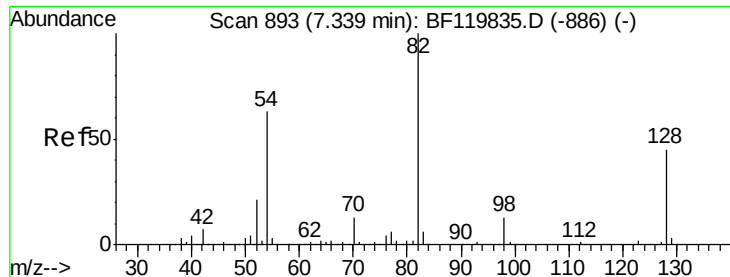
Abundance Ion 136.00 (135.70 to 136.70): E

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





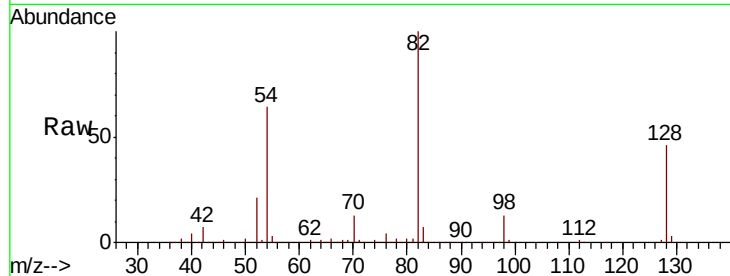
#23
Nitrobenzene-d5
Concen: 66.192 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Instrument :
BNA_F
ClientSampled :
TP-27

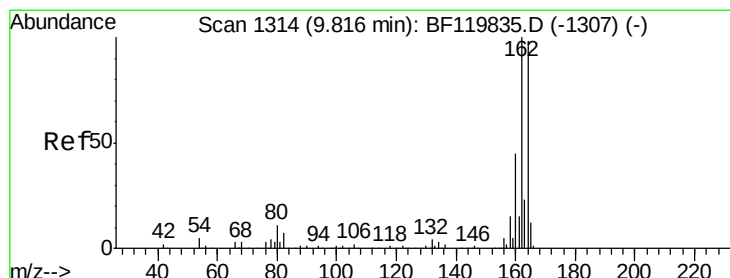
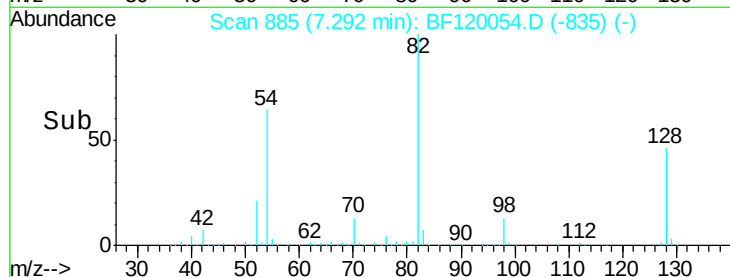
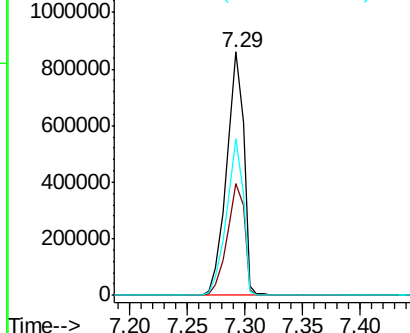
Tot Ion	Ratio	Resp	Lower	Upper
82	100	886315		
128	46.0		36.2	54.4
54	64.3		50.4	75.6

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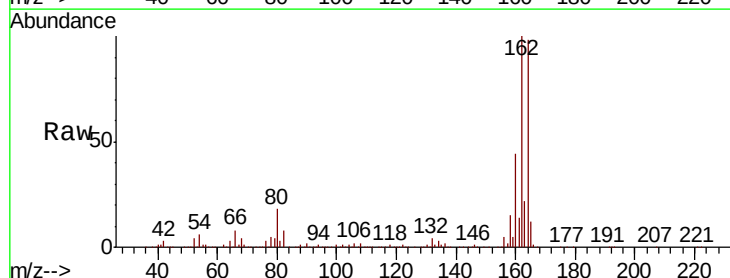


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

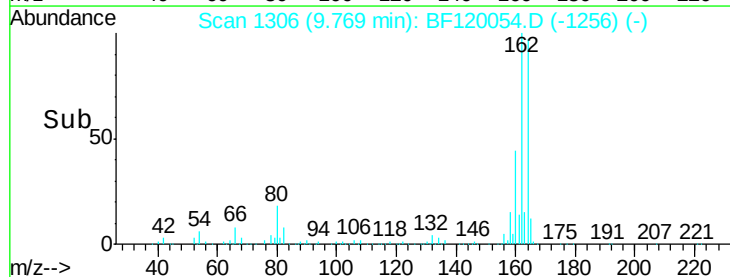
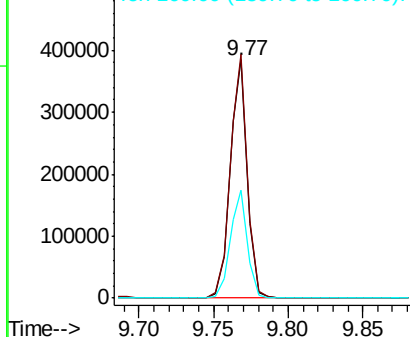


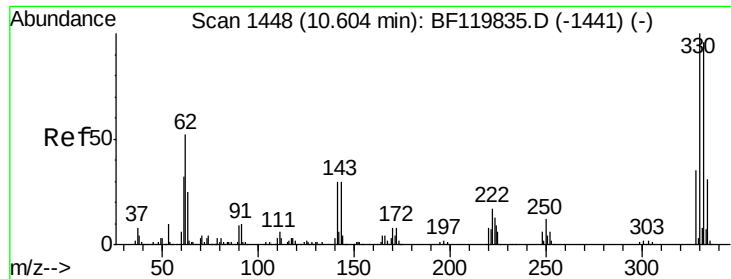
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	311185		
162	102.2		81.9	122.9
160	45.4		36.6	54.8



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





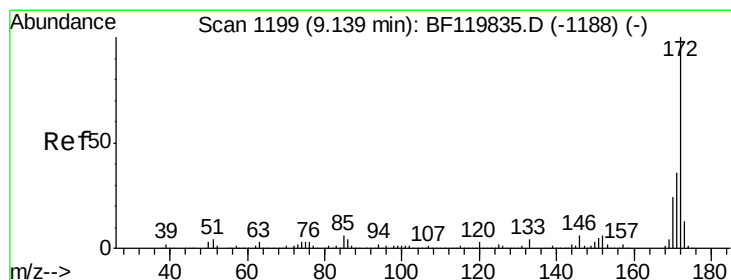
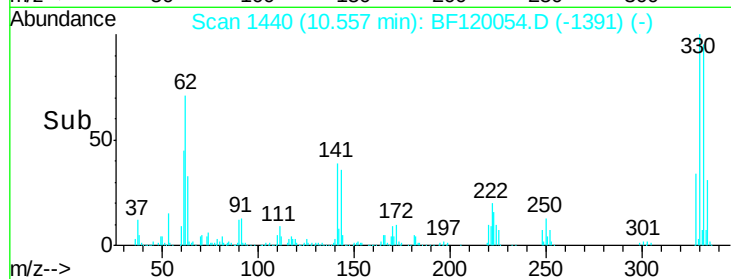
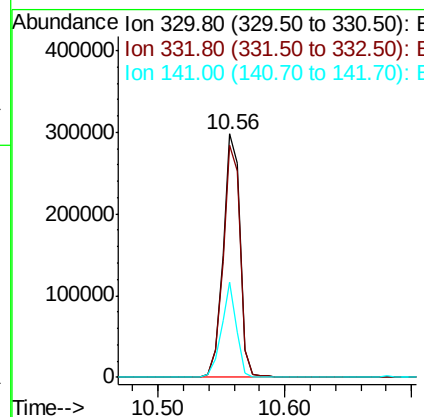
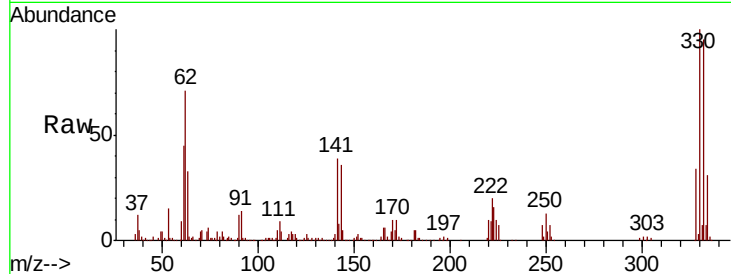
#42
 2,4,6-Tribromophenol
 Concen: 73.361 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF120054.D
 Acq: 17 Apr 2020 12:59

Instrument :
 BNA_F
 ClientSampled :
 TP-27

Tot Ion	Ratio	Resp	Lower	Upper
330	100	279501		
332	96.0		76.8	115.2
141	35.4		25.1	37.7

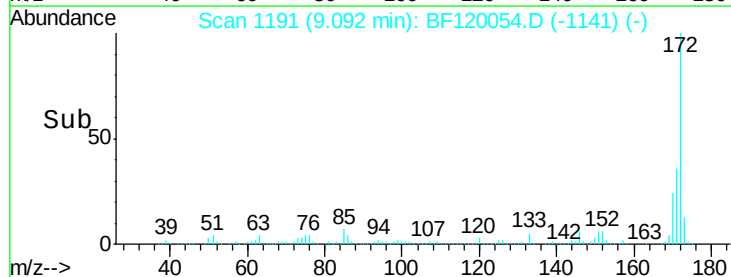
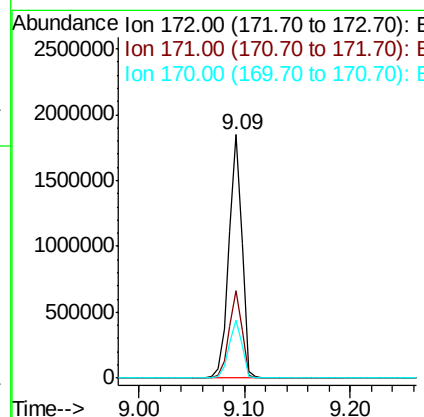
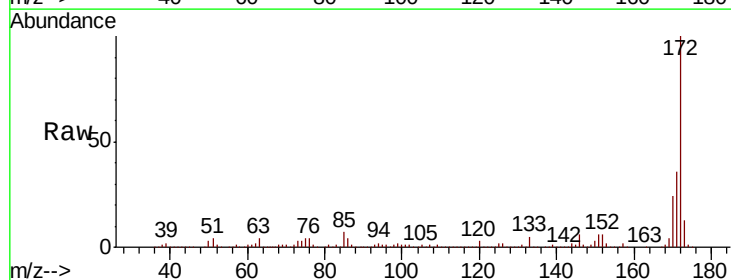
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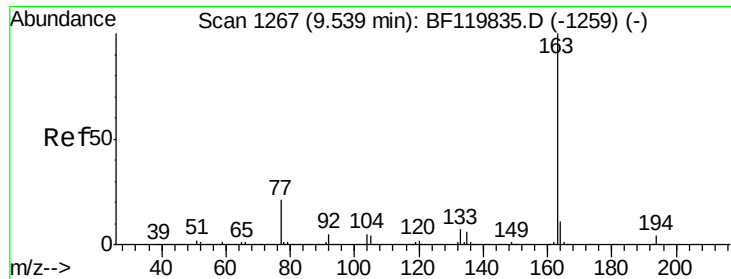
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#45
 2-Fluorobiphenyl
 Concen: 72.699 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF120054.D
 Acq: 17 Apr 2020 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1593401		
171	36.0		28.9	43.3
170	23.8		19.4	29.2





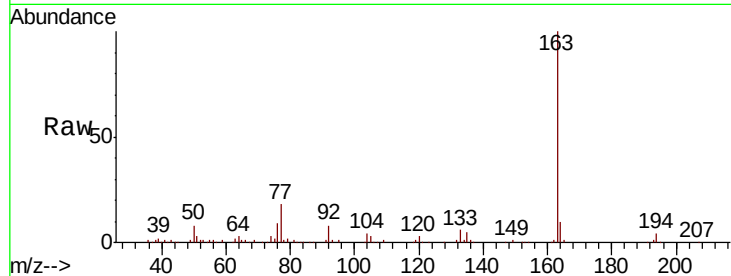
#50
Dimethylphthalate
Concen: 5.859 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.02 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Instrument :
BNA_F
ClientSampleId :
TP-27

Tot Ion	Ratio	Resp	Lower	Upper
163	100	141032		
194	4.2	3.0	4.4	
164	10.4	8.4	12.6	

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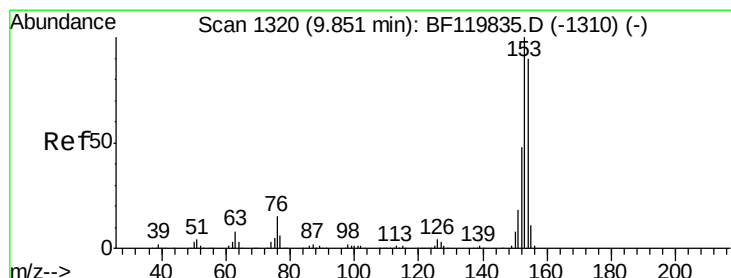
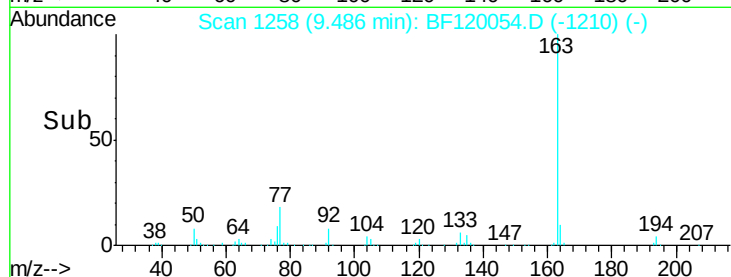
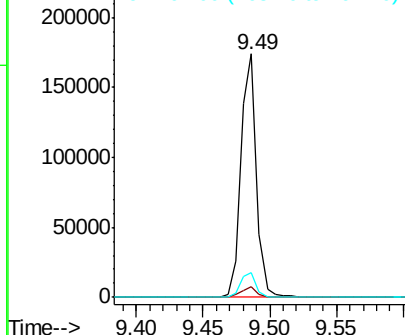


Abundance

Ion 163.00 (162.70 to 163.70): E

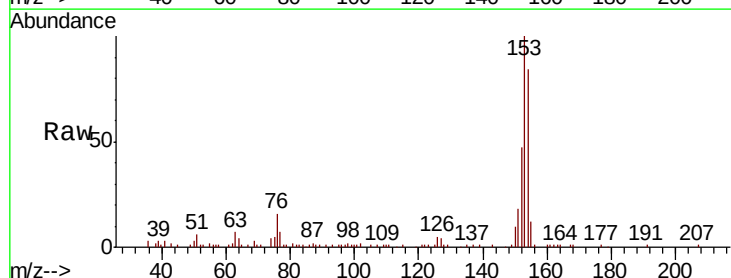
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 2.132 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	43756		
153	119.2	88.8	133.2	
152	55.7	42.4	63.6	

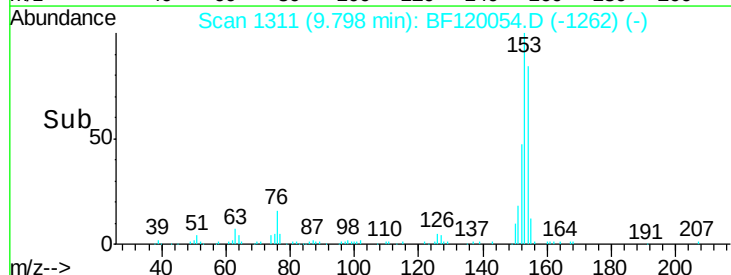
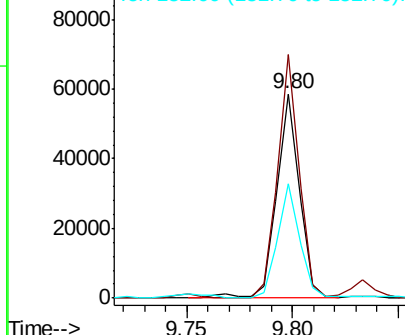


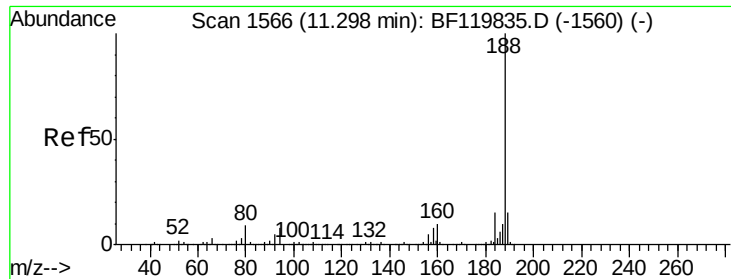
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





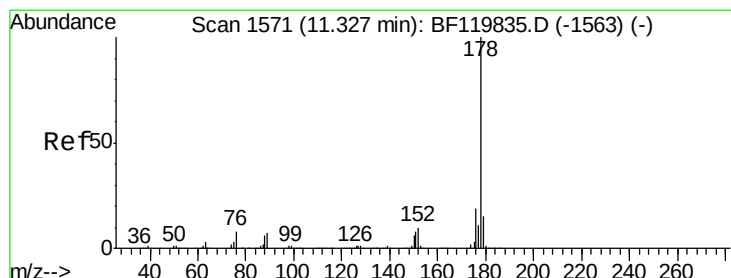
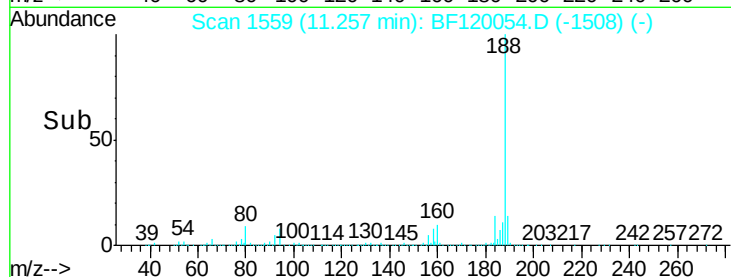
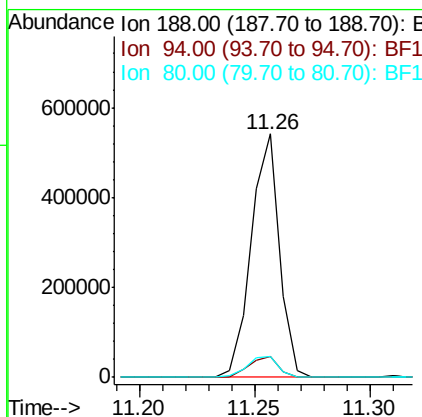
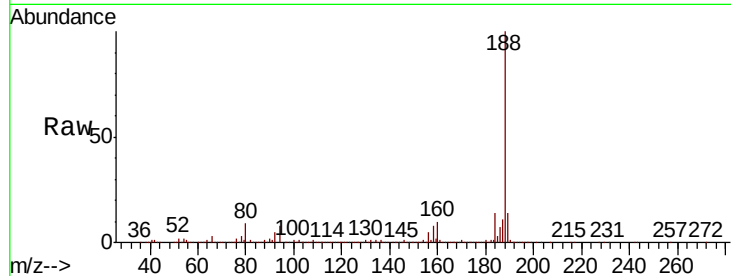
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	463558		
94	8.3	6.7	10.1	
80	8.7	7.4	11.2	

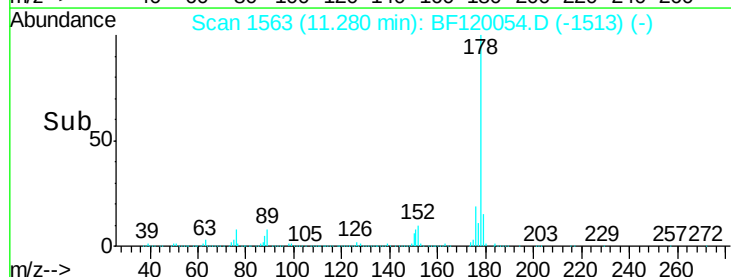
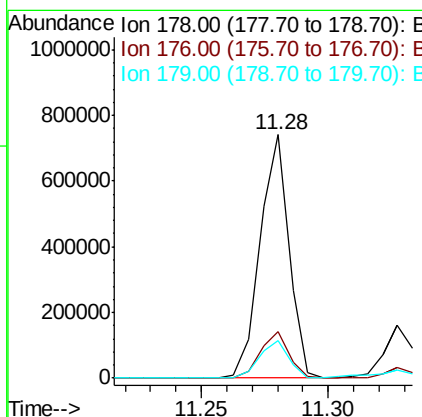
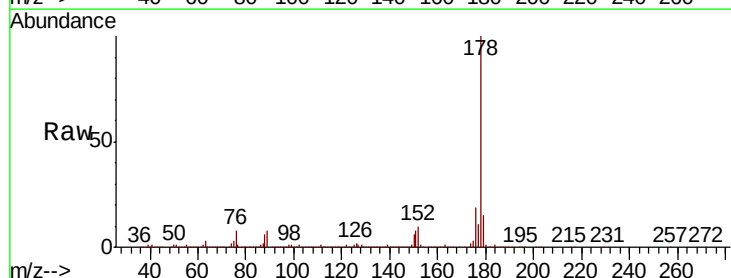
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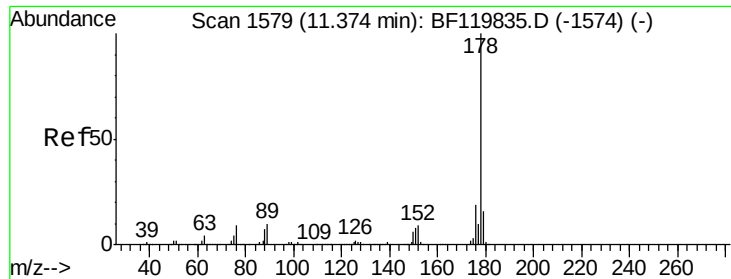
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#71
Phenanthrene
Concen: 24.027 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	592761		
176	19.0	15.1	22.7	
179	15.5	12.2	18.4	





#72

Anthracene

Concen: 4.913 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

Instrument :

BNA_F

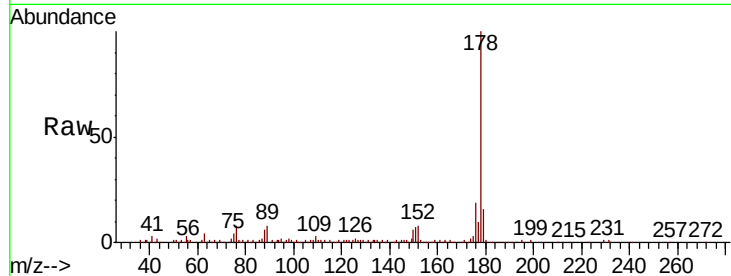
ClientSampled :

TP-27

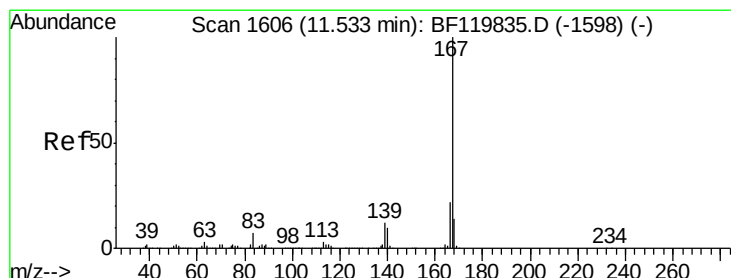
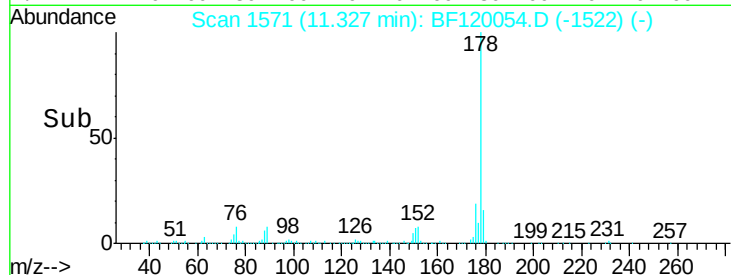
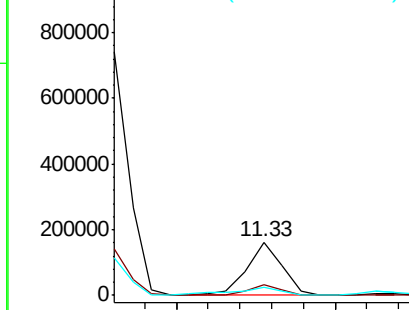
Tot Ion:	178	Resp:	123828
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.4	23.2
179	16.3	12.8	19.2

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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



#73

Carbazole

Concen: 2.113 ng

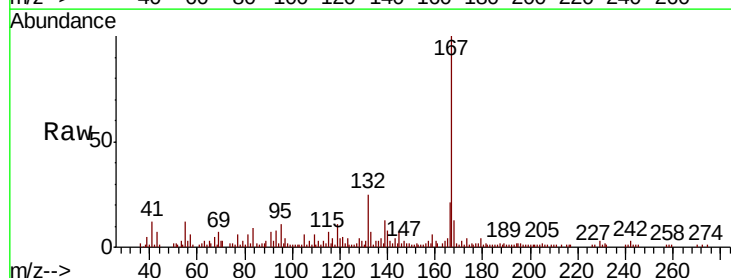
RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

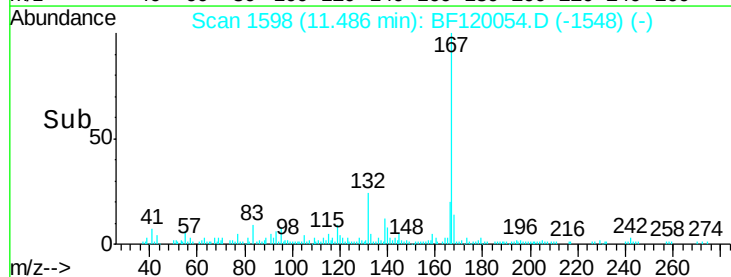
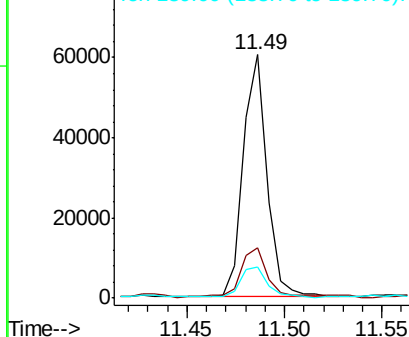
Lab File: BF120054.D

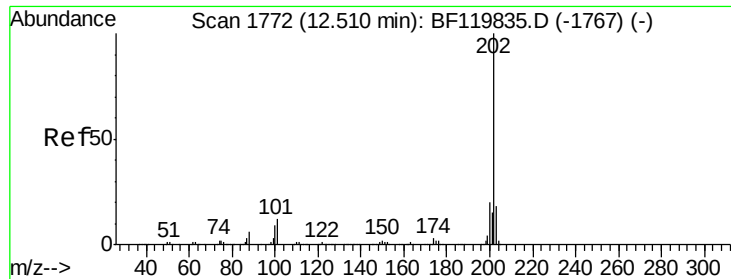
Acq: 17 Apr 2020 12:59

Tgt Ion:	167	Resp:	50369
Ion Ratio	Lower	Upper	
167	100		
166	20.7	17.4	26.0
139	12.8	9.8	14.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 23.564 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

Instrument :

BNA_F

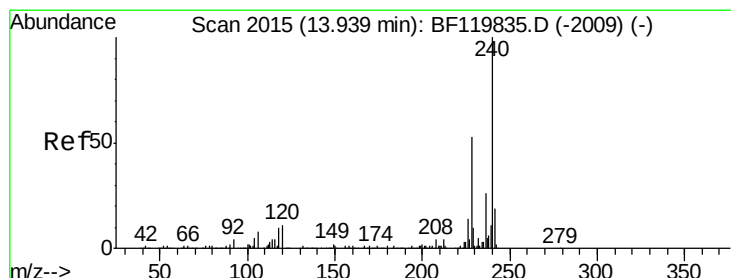
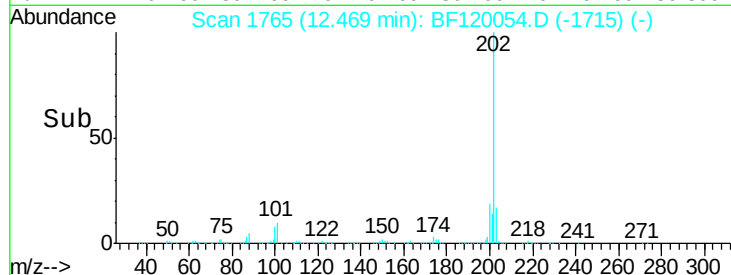
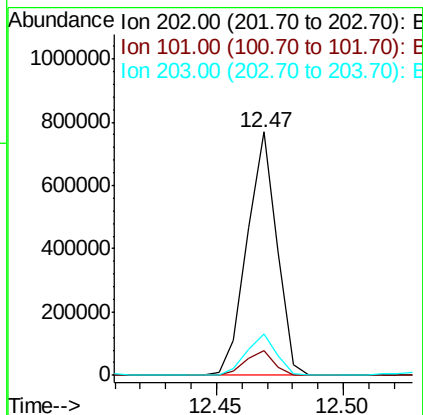
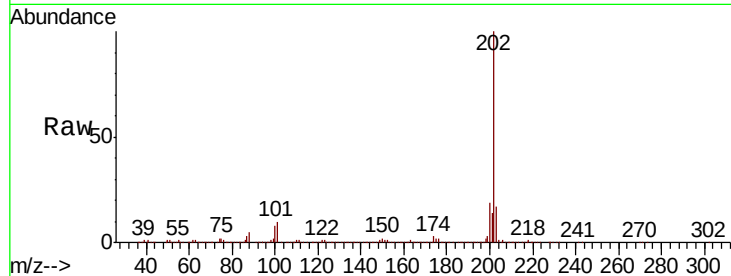
ClientSampled :

TP-27

Tot Ion:	202	Resp:	627259
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	32.3
203	17.3	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

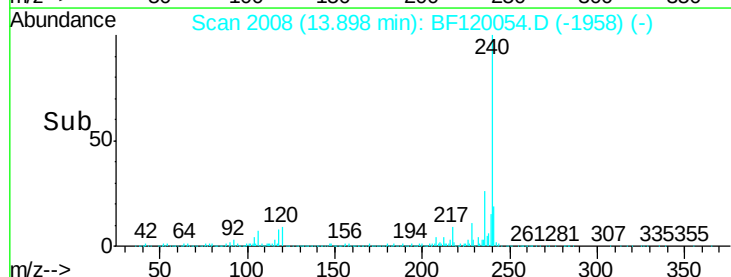
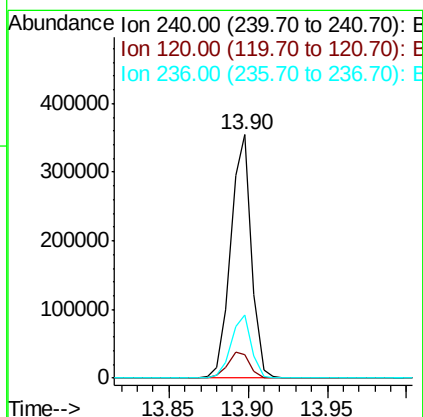
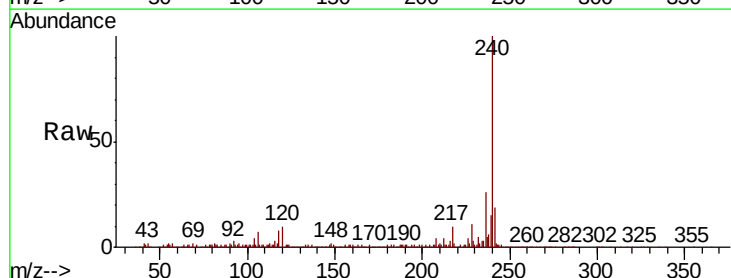
RT: 13.90 min Scan# 2008

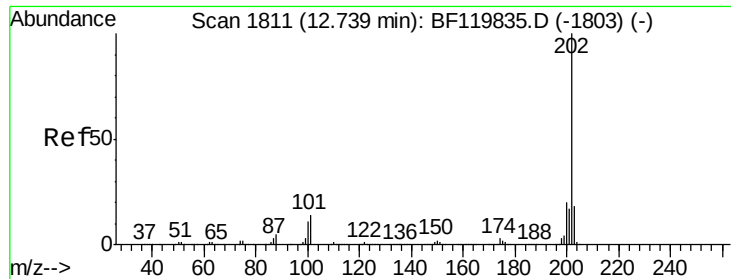
Delta R.T. -0.01 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

Tgt Ion:	240	Resp:	318871
Ion Ratio	Lower	Upper	
240	100		
120	9.5	9.0	13.6
236	25.9	20.7	31.1





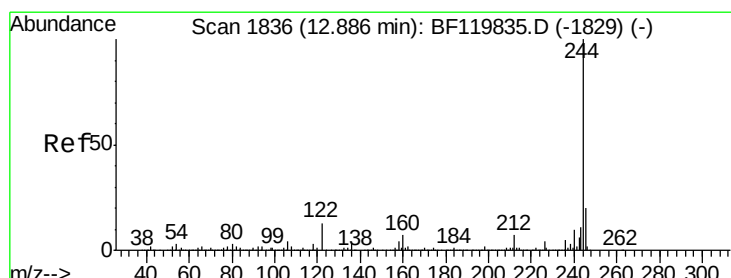
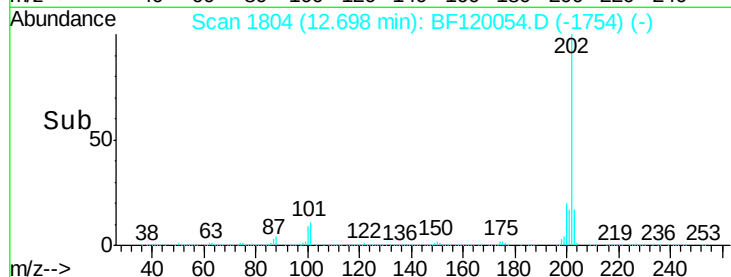
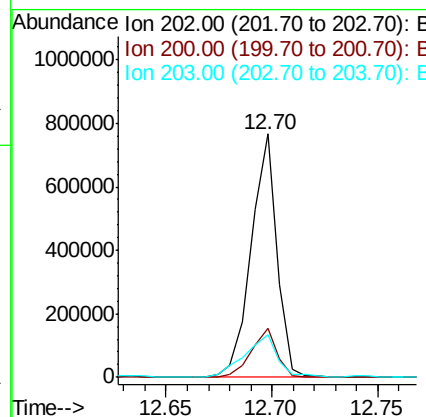
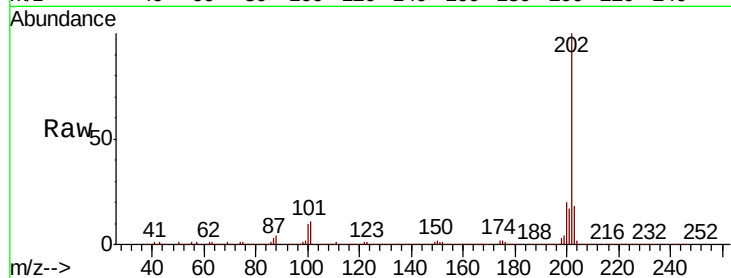
#78
Pvrene
Concen: 24.144 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Instrument :
BNA_F
ClientSampled :
TP-27

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.2	24.2
203	17.6	14.1	21.1

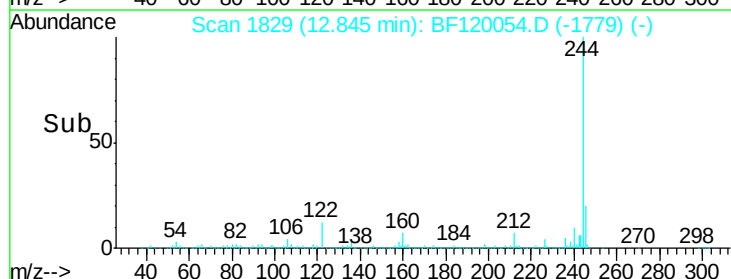
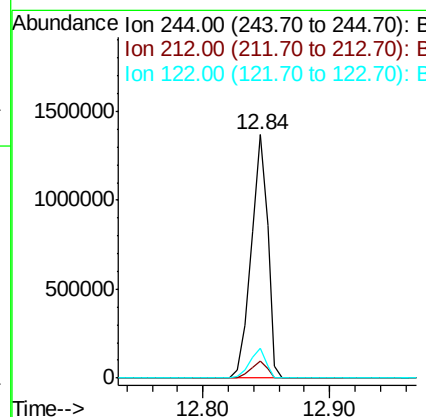
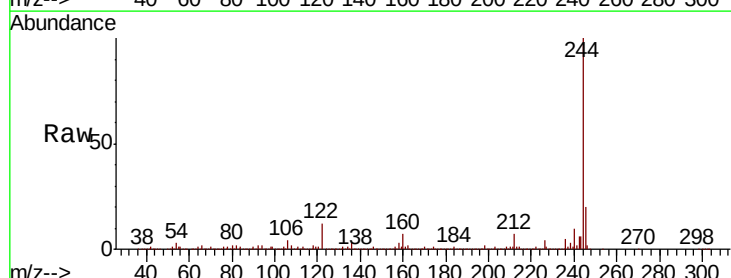
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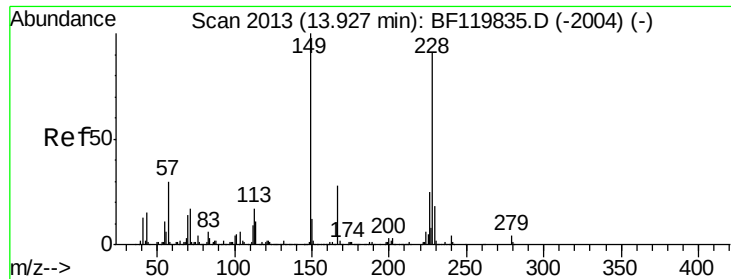
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#79
Terphenyl-d14
Concen: 64.683 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.4	10.3	15.5





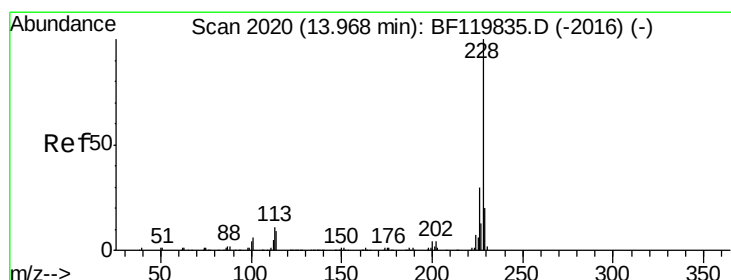
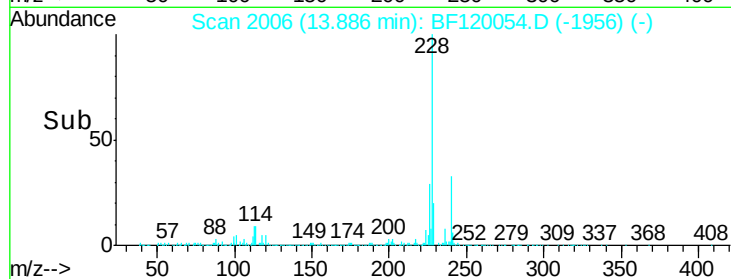
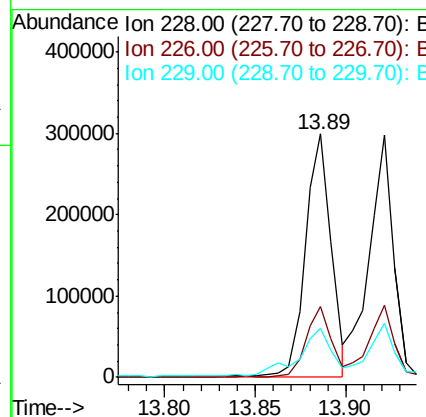
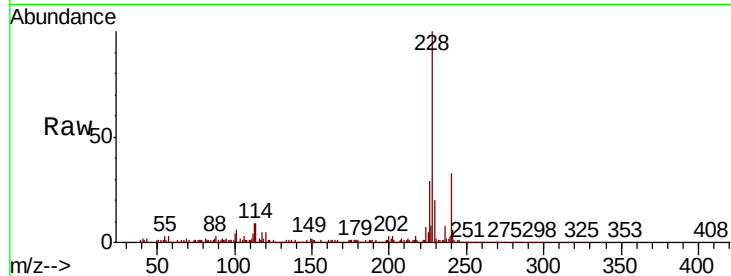
#81
Benzo(a)anthracene
Concen: 14.188 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Instrument :
BNA_F
ClientSampleId :
TP-27

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.9	32.9
229	20.3	15.9	23.9

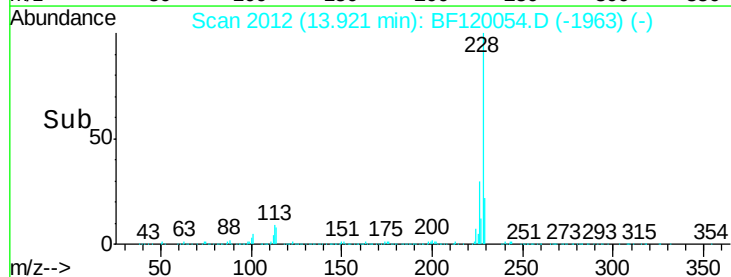
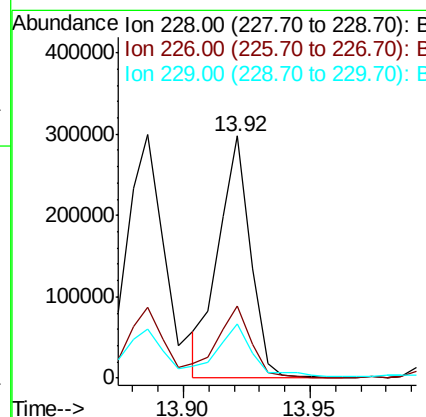
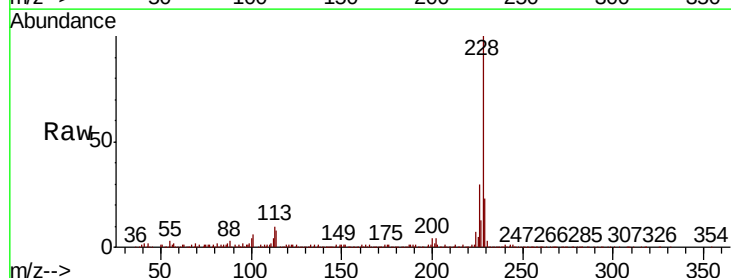
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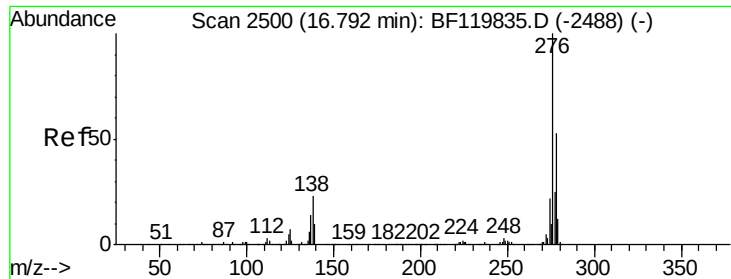
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#83
Chrysene
Concen: 12.139 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.2
229	22.5	15.9	23.9





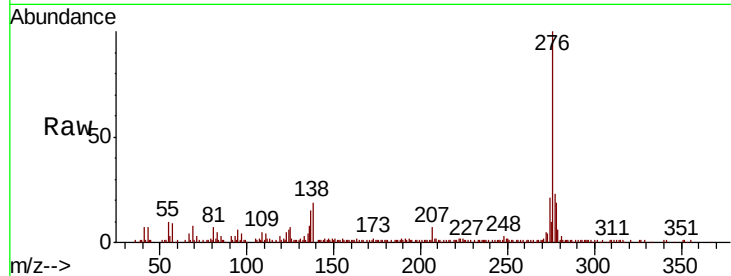
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.554 ng
RT: 16.71 min Scan# 2486
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Instrument :
BNA_F
ClientSampleId :
TP-27

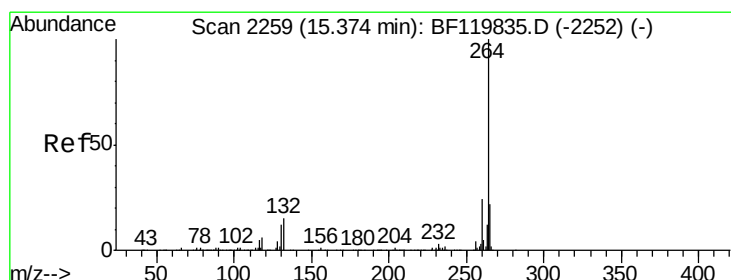
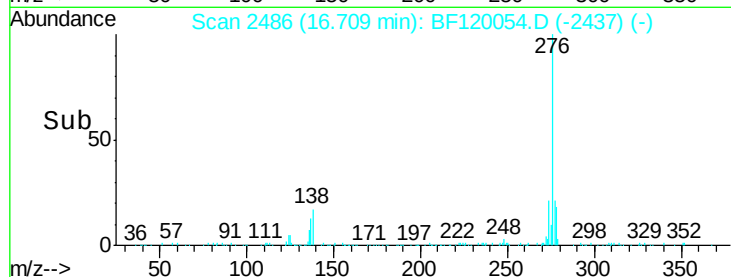
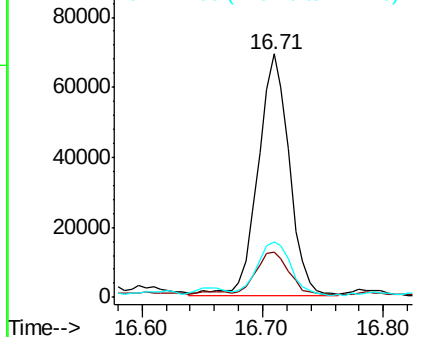
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.8	18.0	27.0
277	23.7	20.1	30.1

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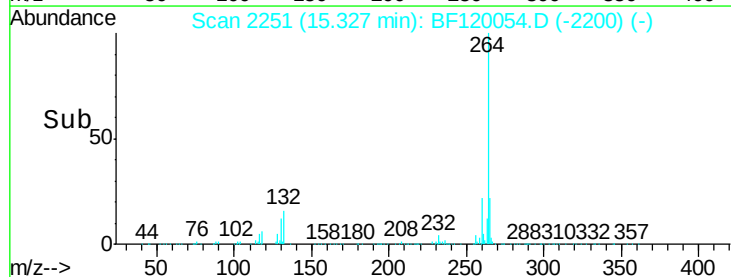
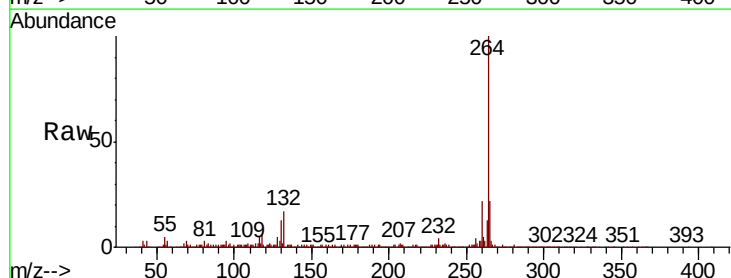
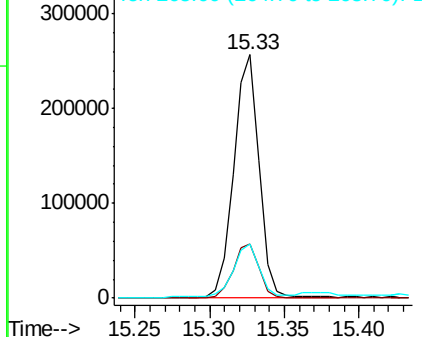
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

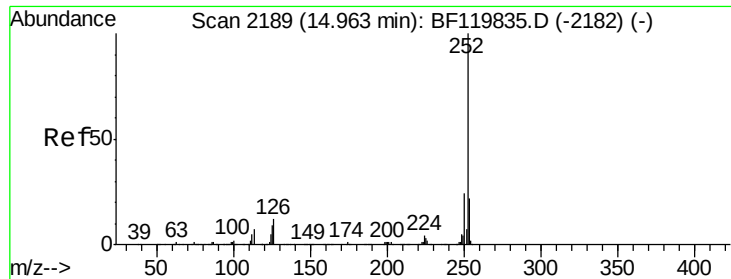


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.3	28.9
265	22.3	17.6	26.4

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





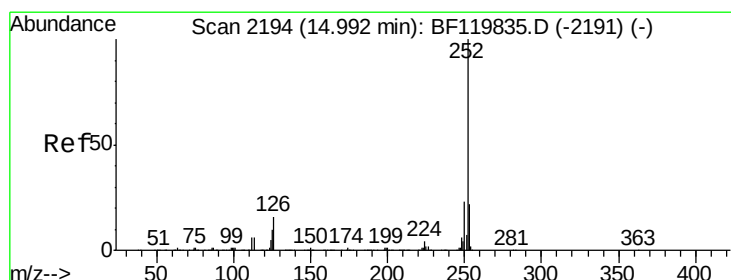
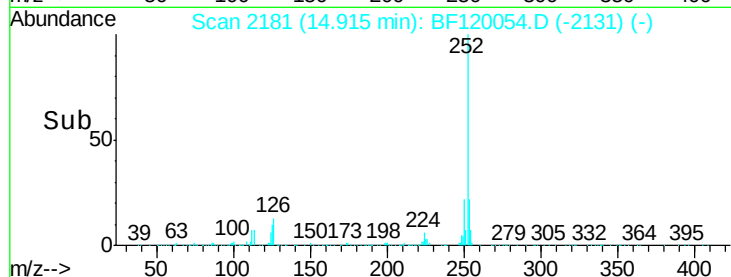
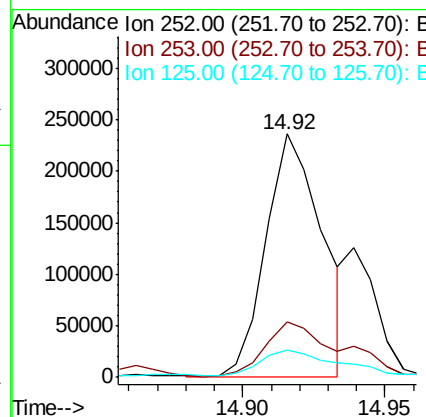
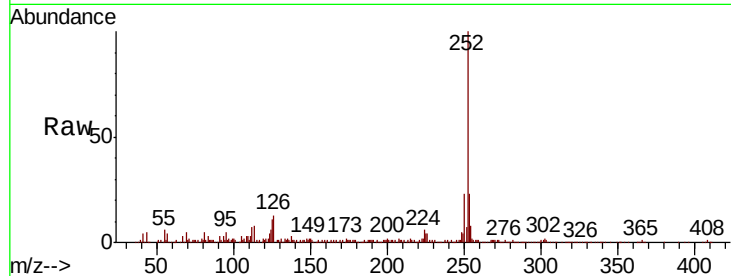
#88
Benzo(b)fluoranthene
Concen: 14.872 ng m
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Instrument :
BNA_F
ClientSampleId :
TP-27

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	11.0	7.4	11.2

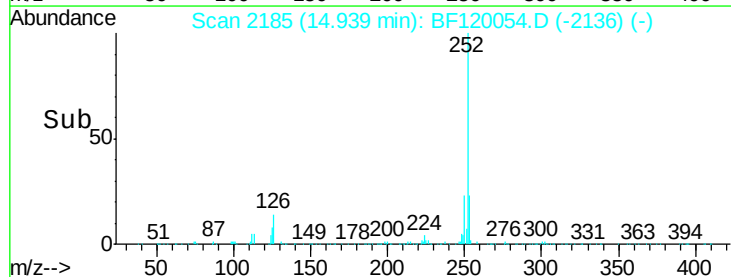
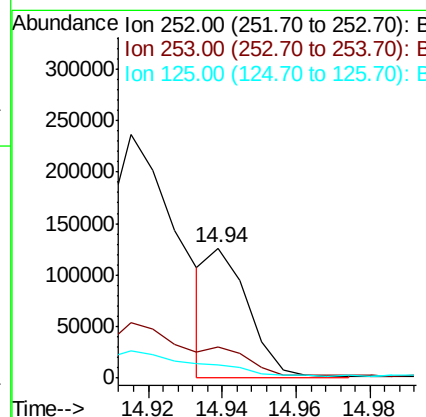
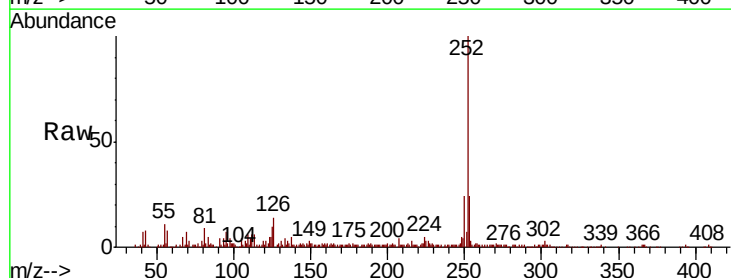
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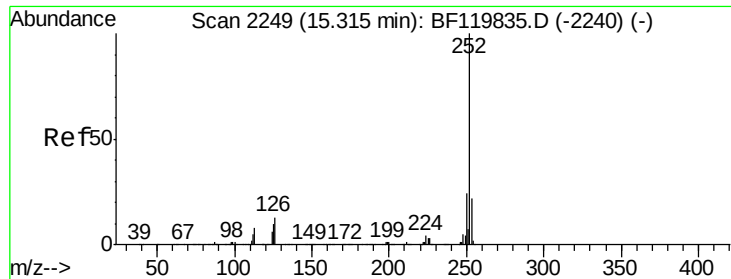
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#89
Benzo(k)fluoranthene
Concen: 5.075 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	10.4	7.7	11.5





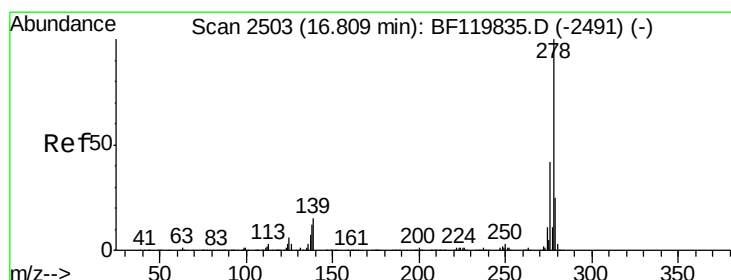
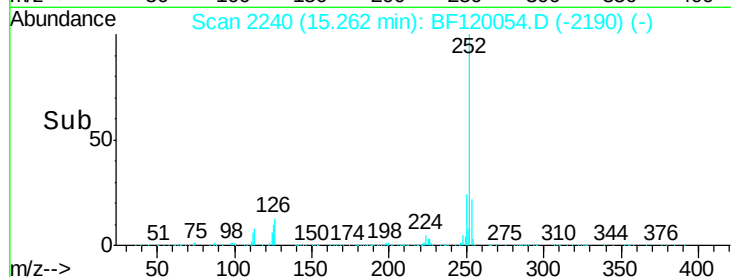
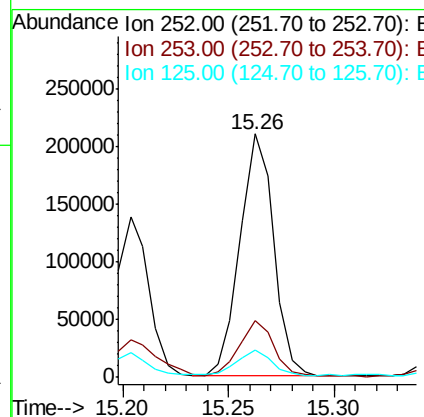
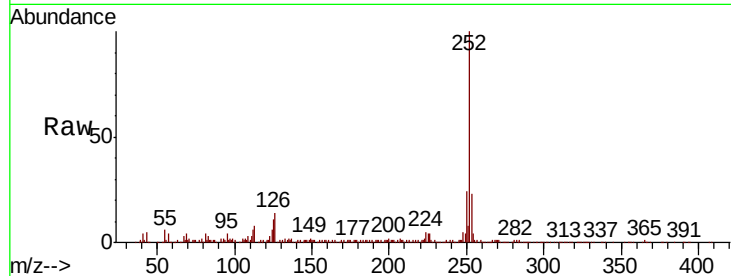
#90
Benzo(a)pyrene
Concen: 12.758 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Instrument :
BNA_F
ClientSampled :
TP-27

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	11.3	8.3	12.5

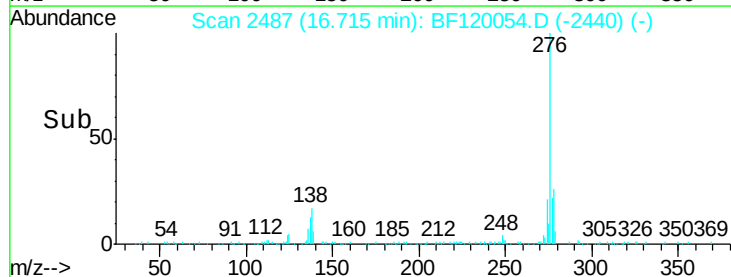
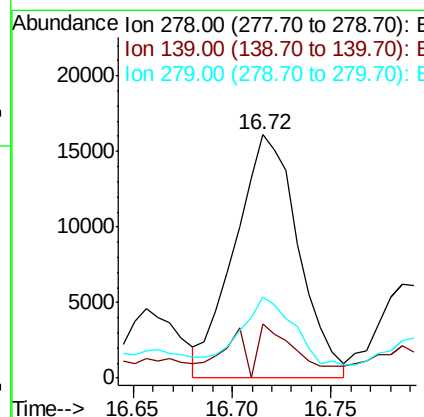
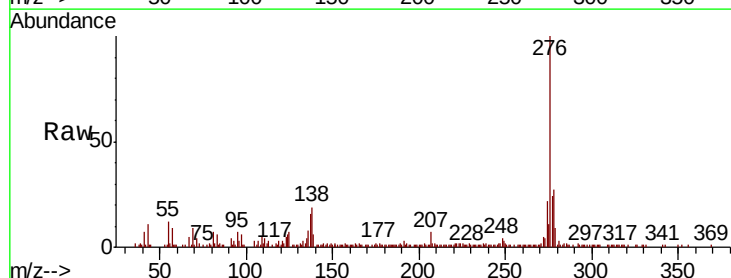
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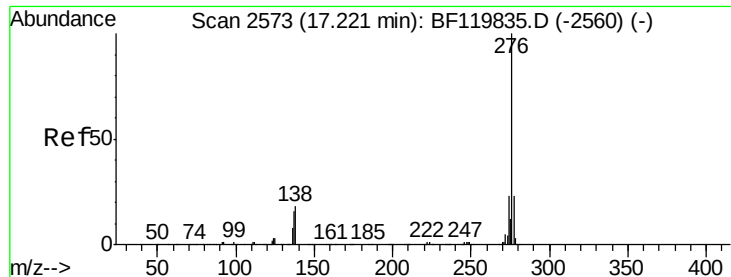
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#91
Dibenzo(a,h)anthracene
Concen: 2.235 ng m
RT: 16.72 min Scan# 2487
Delta R.T. -0.02 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.0	11.6	17.4#
279	33.3	19.7	29.5#





#92
 Benzo(a,h,i)perylene
 Concen: 7.089 ng
 RT: 17.13 min Scan# 2558
 Delta R.T. -0.01 min
 Lab File: BF120054.D
 Acq: 17 Apr 2020 12:59

Instrument :
 BNA_F
 ClientSampleId :
 TP-27

Tot Ion:	276	Resp:	113105
Ion Ratio		Lower	Upper
276	100		
277	23.9	18.5	27.7
138	21.2	14.6	22.0

Manual Integrations
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