

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060520\
 Data File : BF120563.D
 Acq On : 5 Jun 2020 16:54
 Operator : JU/CG
 Sample : L2890-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26572-25062-251686

Manual Integrations
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Quant Time: Jun 06 00:35:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 05 15:36:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	182124	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	654695	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	302906	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	477978	20.00	ng	0.00
76) Chrysene-d12	13.98	240	375800	20.00	ng	0.00
86) Perylene-d12	15.43	264	360089	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	932374	97.56	ng	0.00
7) Phenol-d6	6.46	99	1141017	96.87	ng	0.00
23) Nitrobenzene-d5	7.38	82	751186	75.05	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	281122	100.17	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1353527	75.82	ng	0.00
79) Terphenyl-d14	12.93	244	1138369	67.41	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.57	163	215738	11.392	ng	99
71) Phenanthrene	11.36	178	181953	8.639	ng	99
72) Anthracene	11.42	178	46761	2.213	ng	98
75) Fluoranthene	12.55	202	335527	14.806	ng	97
78) Pyrene	12.78	202	280516	10.733	ng	99
81) Benzo(a)anthracene	13.97	228	171363	8.508	ng	98
83) Chrysene	14.00	228	150068	7.107	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	25682	2.005	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.86	276	66007	3.351	ng	99
88) Benzo(b)fluoranthene	15.01	252	213905m	10.695	ng	
89) Benzo(k)fluoranthene	15.03	252	52629m	2.819	ng	
90) Benzo(a)pyrene	15.36	252	126602	7.237	ng	# 94
92) Benzo(a,h,i)perylene	17.29	276	61382	3.876	ng	98

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

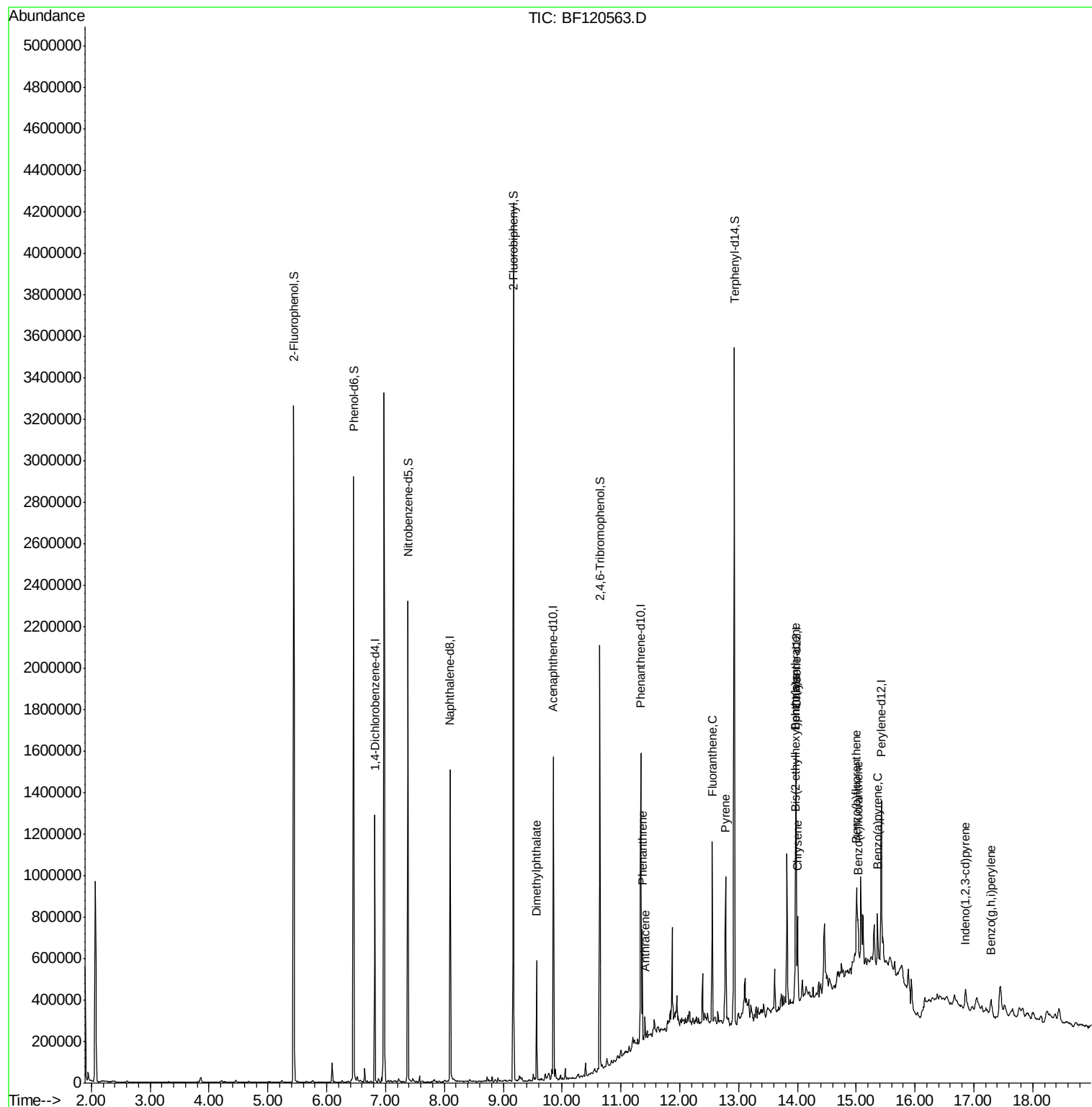
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060520\
Data File : BF120563.D
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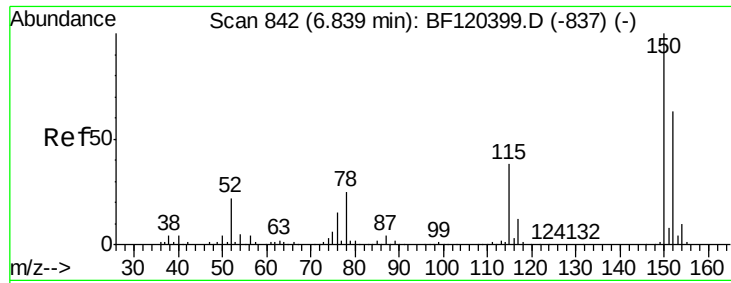
Instrument :
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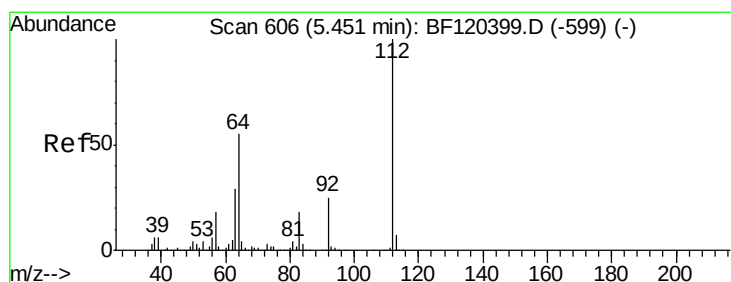
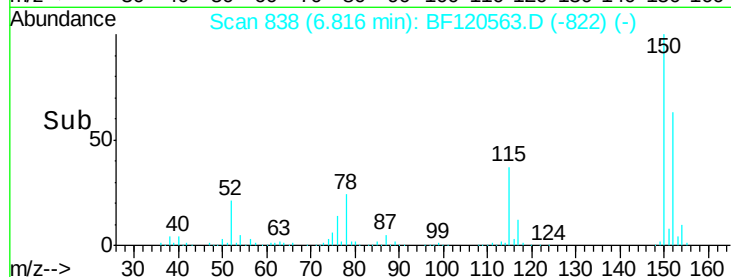
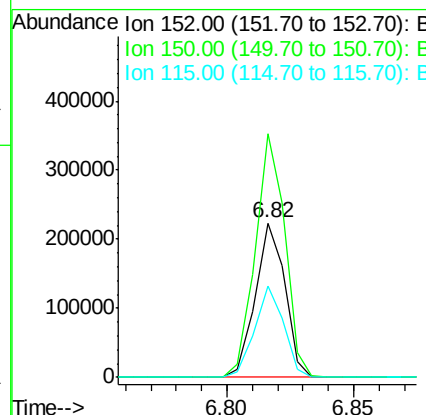
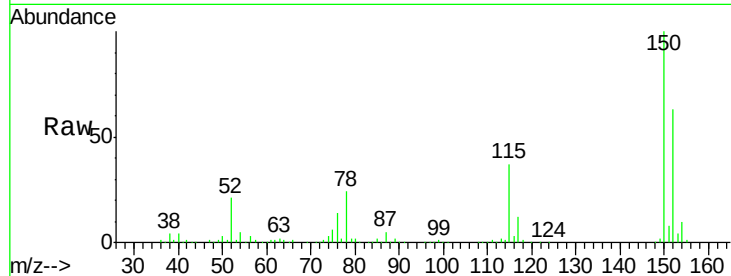
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BF120563.D
 Acq: 5 Jun 2020 16:54

Instrument :
 BNA_F
 ClientSampleId :
 26572-25062-251686

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.2	186.4
115	59.0	43.8	65.6

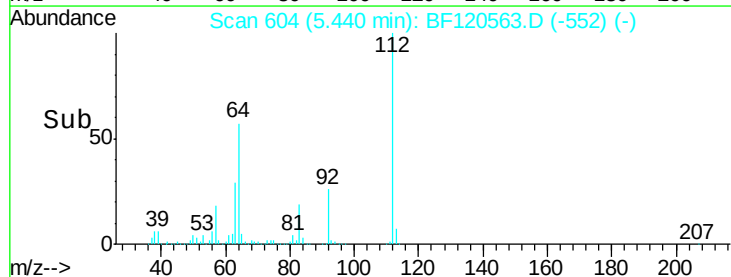
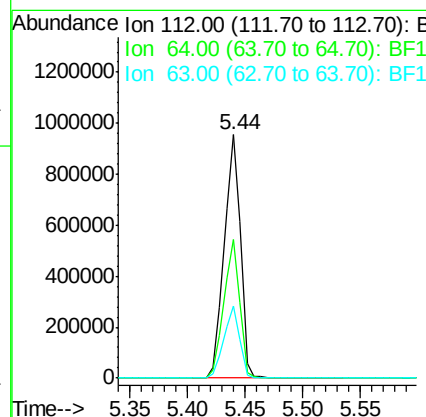
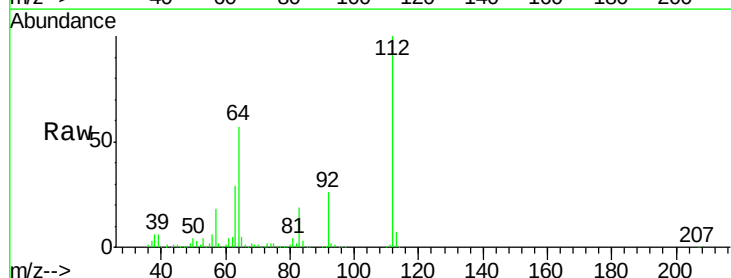
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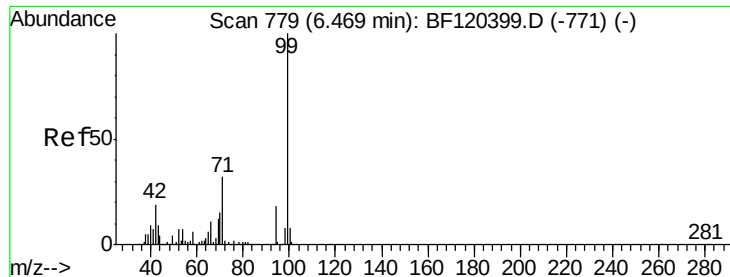
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#5
 2-Fluorophenol
 Concen: 97.564 ng
 RT: 5.44 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: BF120563.D
 Acq: 5 Jun 2020 16:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.5	69.7
63	29.4	23.6	35.4





#7

Phenol-d6

Concen: 96.868 ng

RT: 6.46 min Scan# 777

Delta R.T. 0.00 min

Lab File: BF120563.D

Acq: 5 Jun 2020 16:54

Instrument :

BNA_F

ClientSampleId :

26572-25062-251686

Tot Ion: 99 Resp: 1141017

Ion Ratio Lower Upper

99 100

42 18.8 14.8 22.2

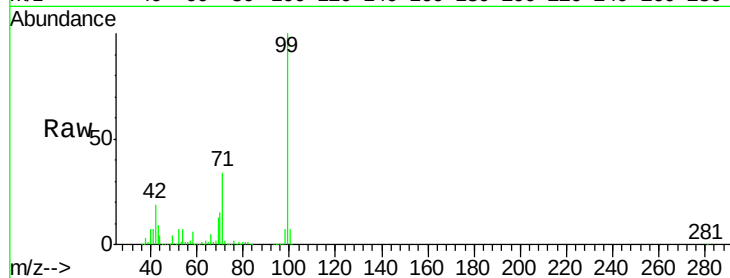
71 34.3 25.8 38.6

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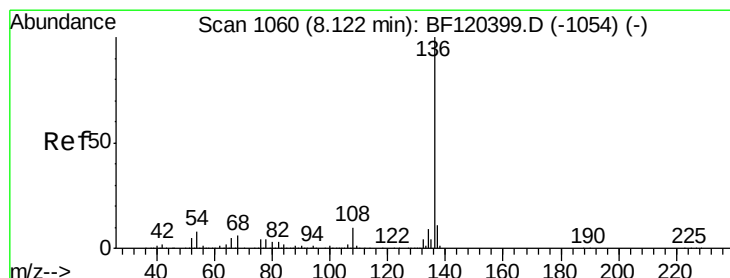
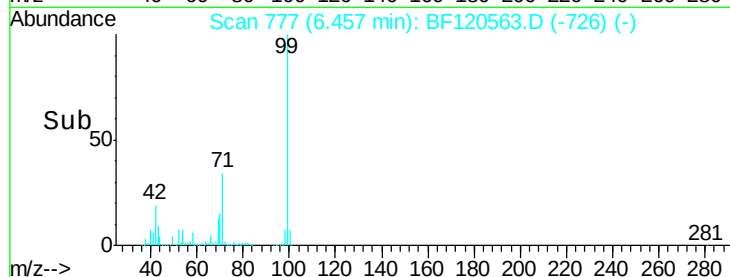
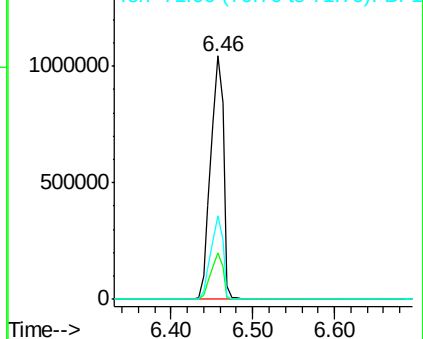
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.10 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF120563.D

Acq: 5 Jun 2020 16:54

Tgt Ion: 136 Resp: 654695

Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 7.6 5.1 7.7

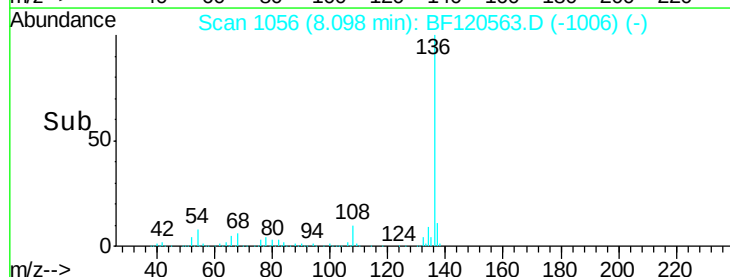
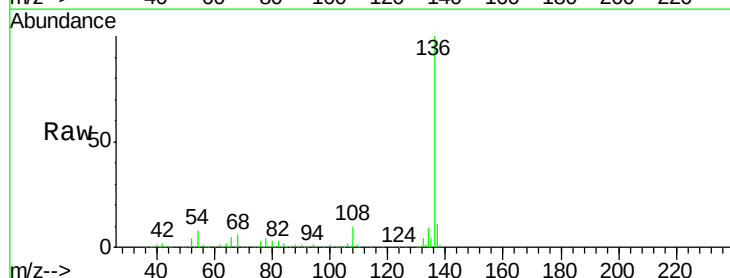
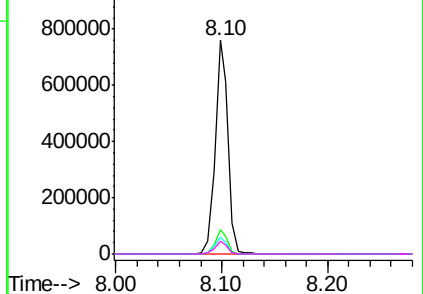
68 6.1 4.0 6.0#

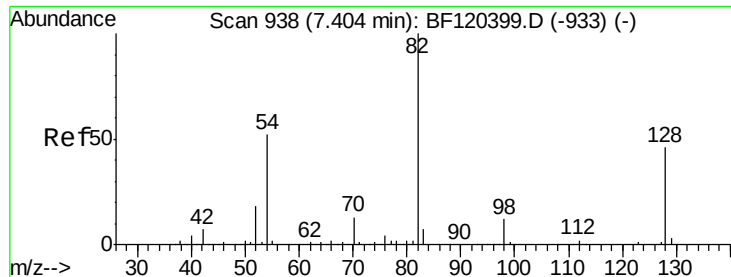
Abundance Ion 136.00 (135.70 to 136.70): E

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





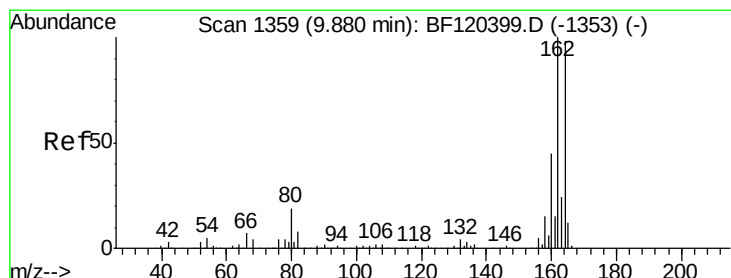
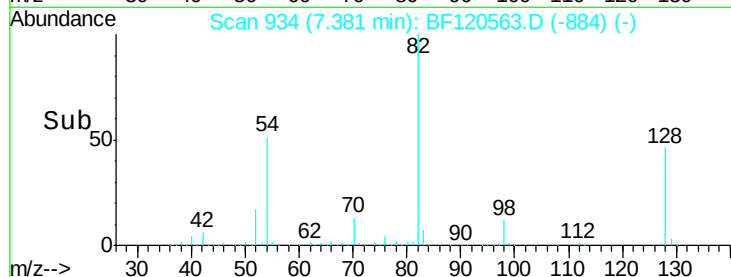
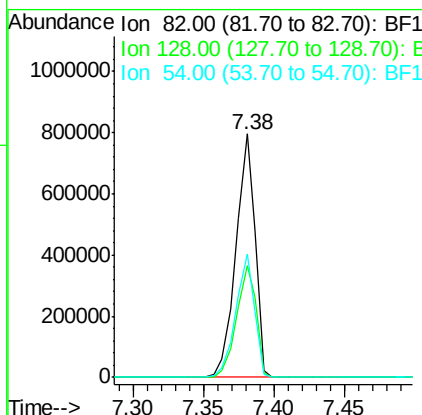
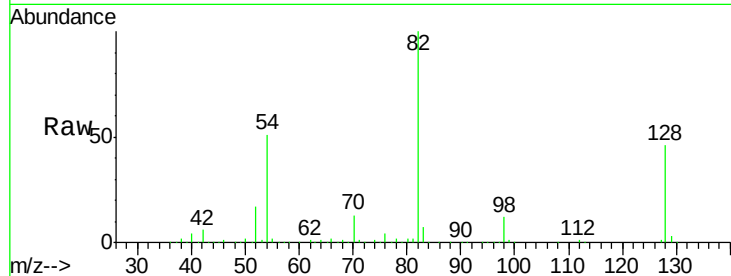
#23
Nitrobenzene-d5
Concen: 75.054 ng
RT: 7.38 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF120563.D
Acq: 5 Jun 2020 16:54

Instrument :
BNA_F
ClientSampleId :
26572-25062-251686

Tot Ion	Ratio	Resp	Lower	Upper
82	100	751186		
128	46.0		38.6	57.8
54	50.7		39.5	59.3

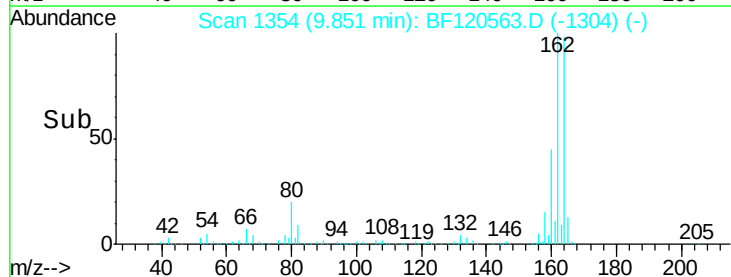
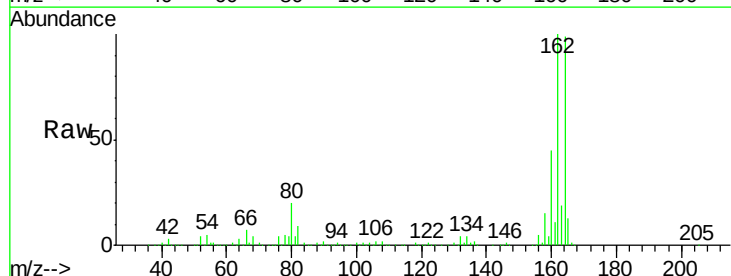
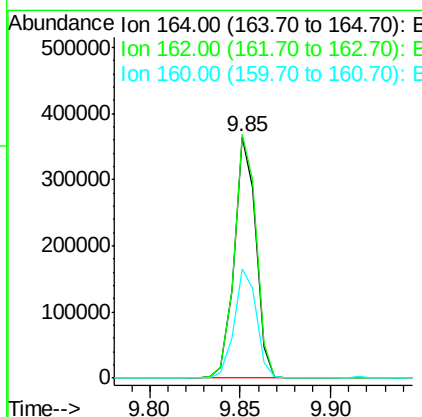
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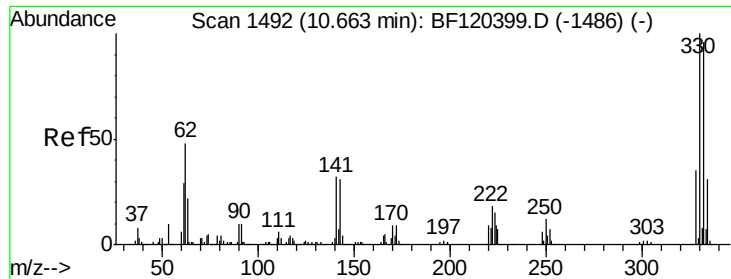
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF120563.D
Acq: 5 Jun 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	302906		
162	100.9		80.3	120.5
160	45.1		36.6	54.8





#42

2,4,6-Tribromophenol

Concen: 100.166 ng

RT: 10.65 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BF120563.D

Acq: 5 Jun 2020 16:54

Instrument :

BNA_F

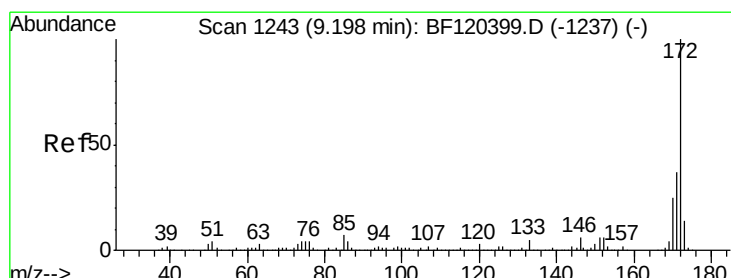
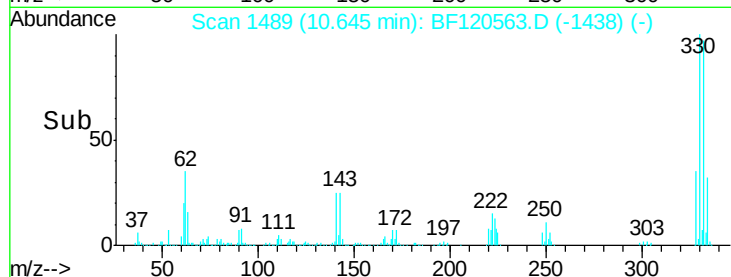
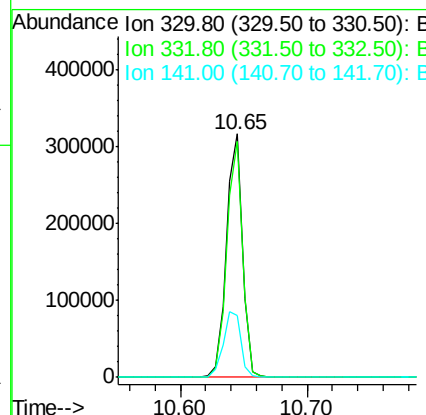
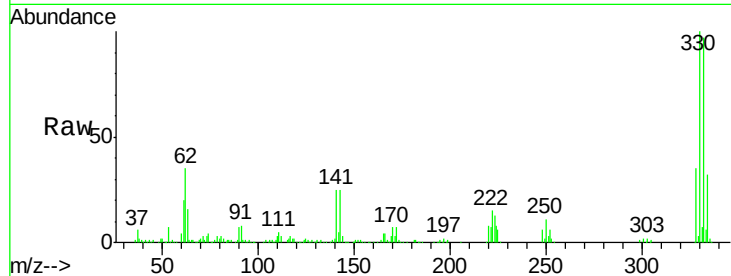
ClientSampleId :

26572-25062-251686

Tot Ion:	330	Resp:	281122
Ion Ratio		Lower	Upper
330	100		
332	95.5	76.7	115.1
141	29.3	23.9	35.9

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#45

2-Fluorobiphenyl

Concen: 75.816 ng

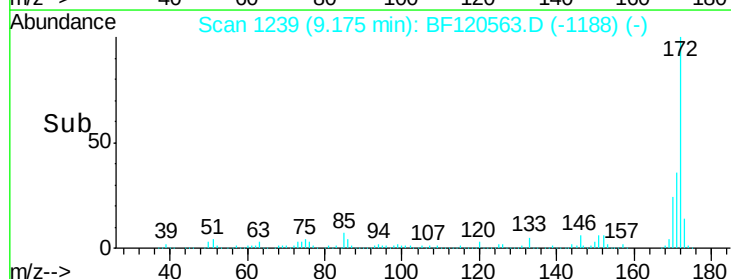
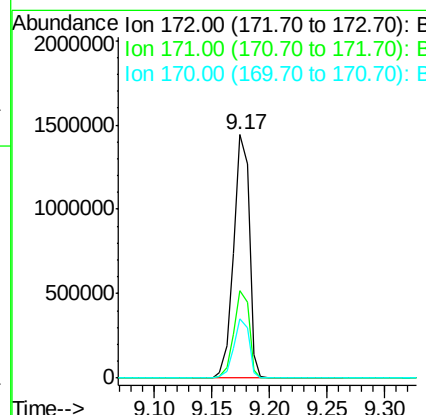
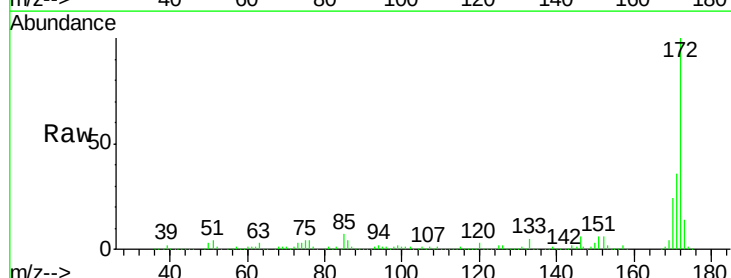
RT: 9.17 min Scan# 1239

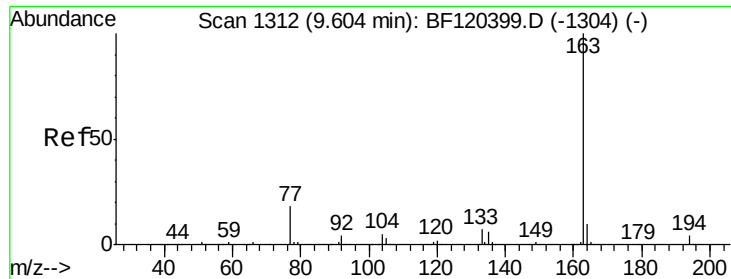
Delta R.T. 0.00 min

Lab File: BF120563.D

Acq: 5 Jun 2020 16:54

Tgt Ion:	172	Resp:	1353527
Ion Ratio		Lower	Upper
172	100		
171	35.7	28.6	42.8
170	24.2	19.0	28.6





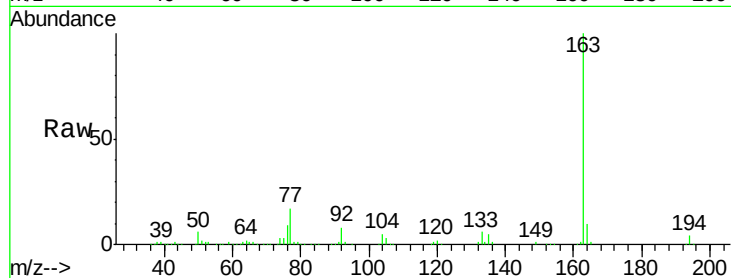
#50
Dimethylphthalate
Concen: 11.392 ng
RT: 9.57 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF120563.D
Acq: 5 Jun 2020 16:54

Instrument :
BNA_F
ClientSampleId :
26572-25062-251686

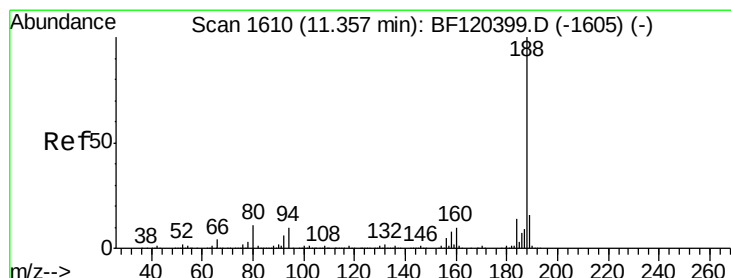
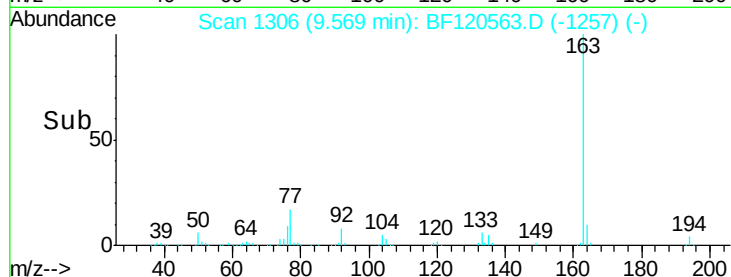
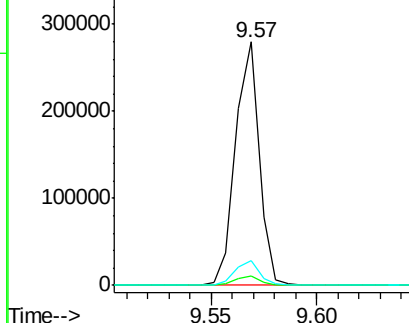
Tot Ion	Ratio	Resp	Lower	Upper
163	100	215738		
194	4.0		3.3	4.9
164	10.1		7.8	11.8

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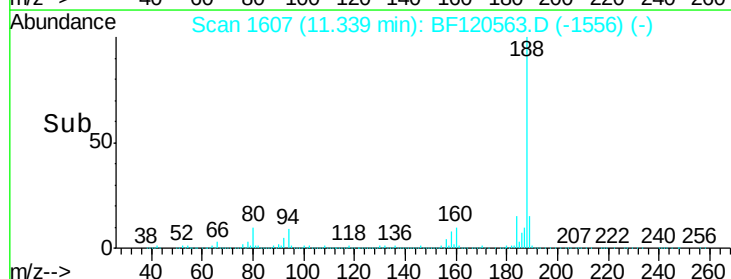
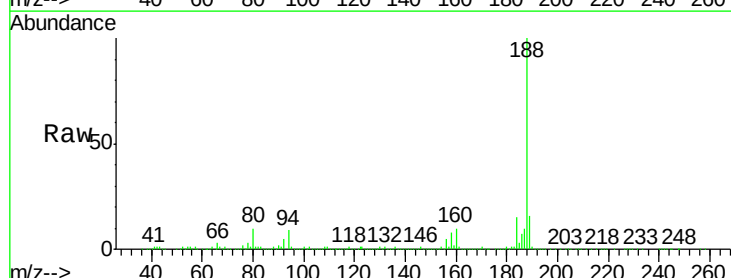
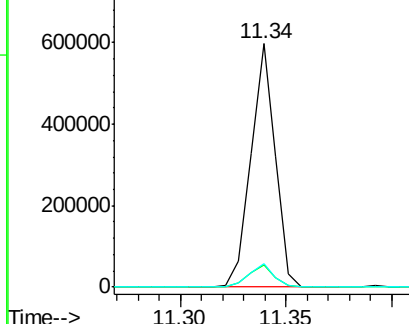
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

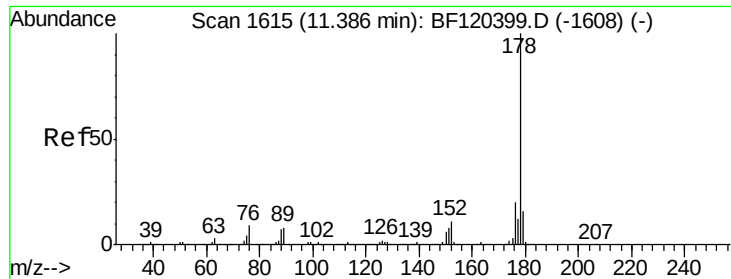


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1607
Delta R.T. 0.00 min
Lab File: BF120563.D
Acq: 5 Jun 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	477978		
94	9.1		7.0	10.6
80	9.7		7.4	11.0

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





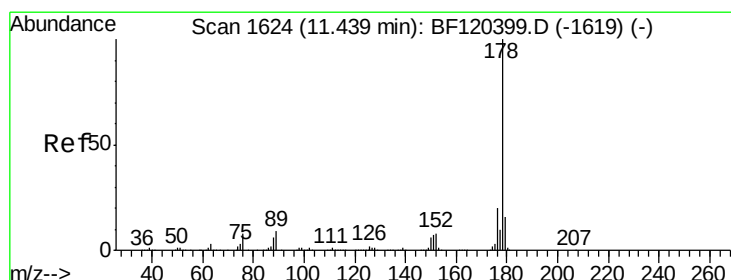
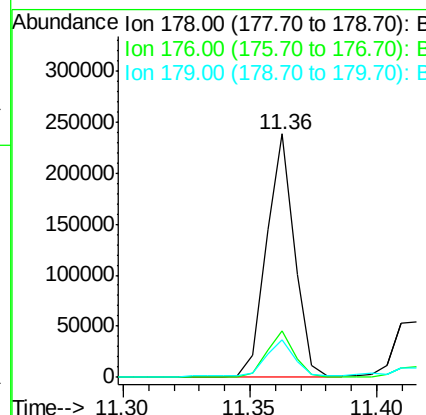
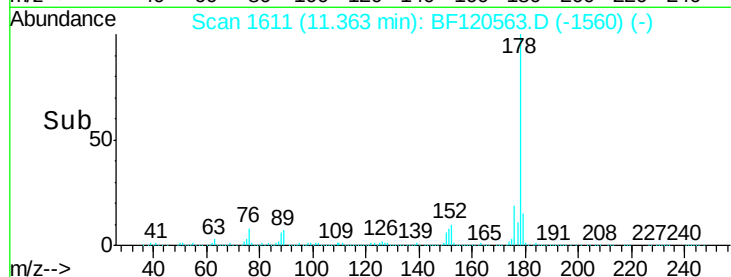
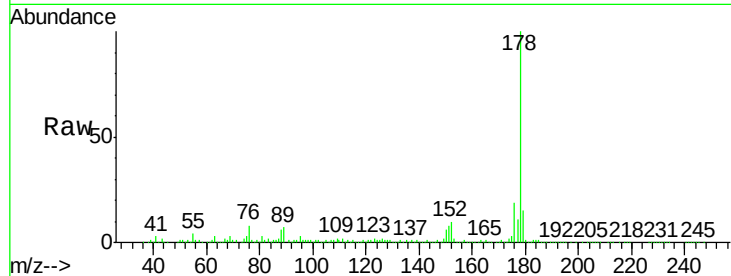
#71
Phenanthrene
Concen: 8.639 ng
RT: 11.36 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BF120563.D
Acq: 5 Jun 2020 16:54

Instrument :
BNA_F
ClientSampleId :
26572-25062-251686

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.7	23.5
179	15.4	12.5	18.7

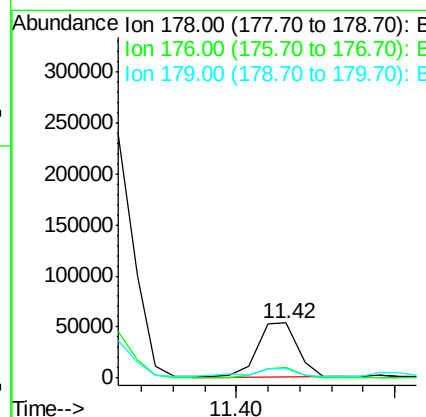
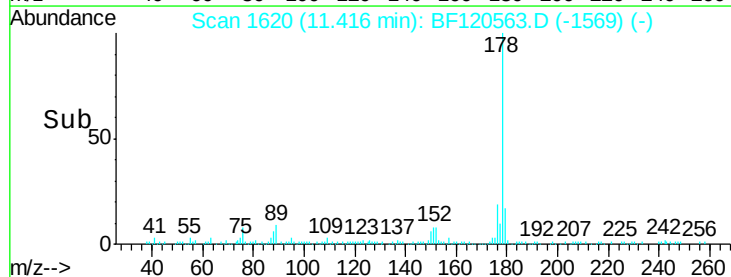
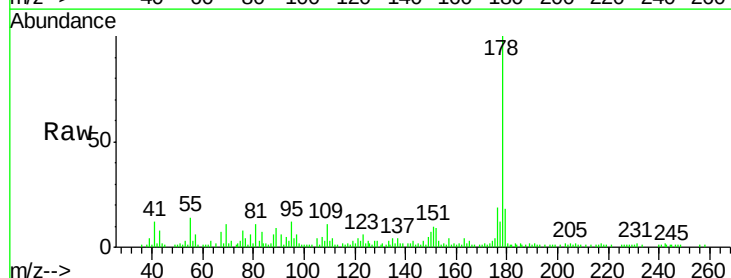
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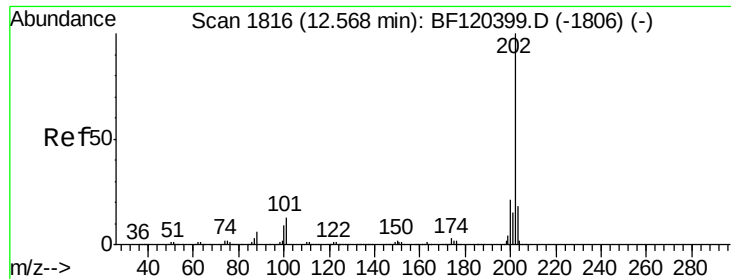
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#72
Anthracene
Concen: 2.213 ng
RT: 11.42 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BF120563.D
Acq: 5 Jun 2020 16:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	17.8	12.6	19.0





#75

Fluoranthene

Concen: 14.806 ng

RT: 12.55 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BF120563.D

Acq: 5 Jun 2020 16:54

Instrument :

BNA_F

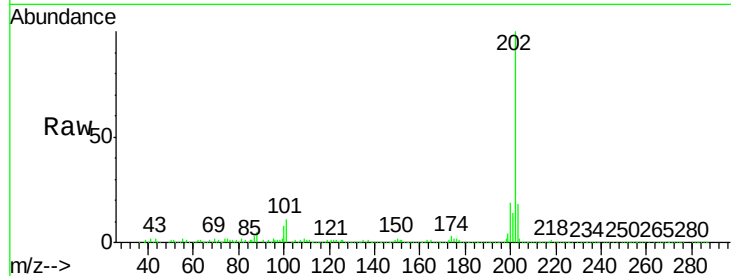
ClientSampleId :

26572-25062-251686

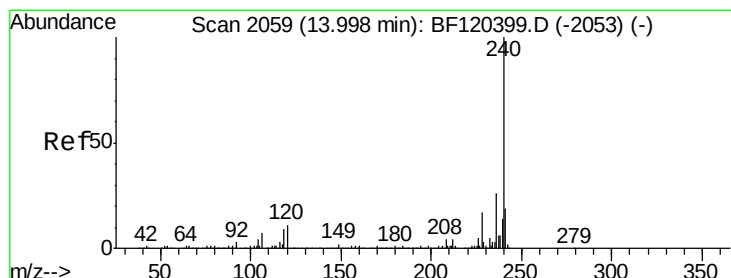
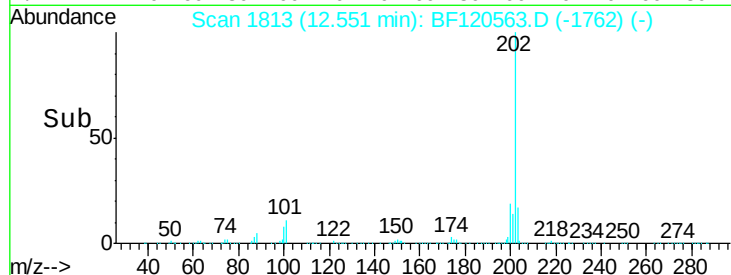
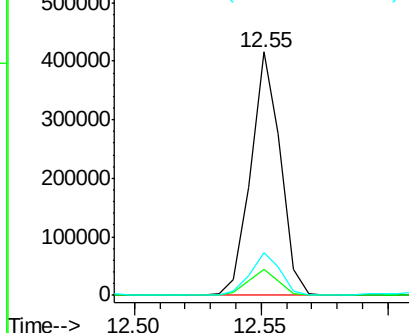
Tot Ion	Ratio	Resp	Lower	Upper
202	100	335527		
101	10.7	0.0	32.2	
203	17.5	0.0	38.4	

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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

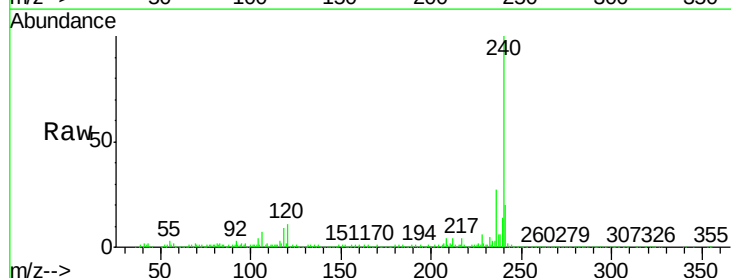
RT: 13.98 min Scan# 2056

Delta R.T. 0.00 min

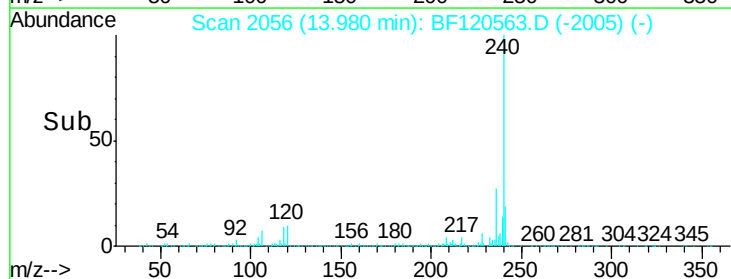
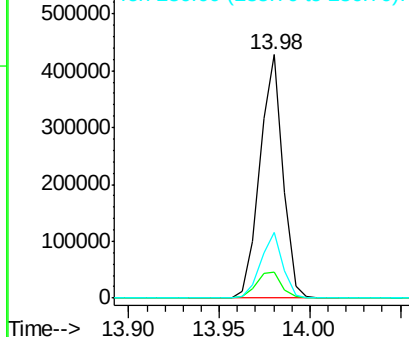
Lab File: BF120563.D

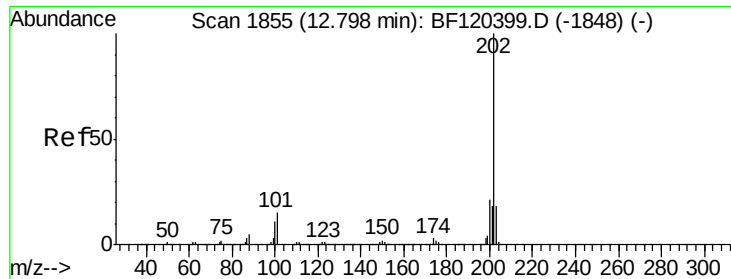
Acq: 5 Jun 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	375800		
120	10.6	9.1	13.7	
236	26.9	21.3	31.9	



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: 10.733 ng

RT: 12.78 min Scan# 1852

Delta R.T. 0.00 min

Lab File: BF120563.D

Acq: 5 Jun 2020 16:54

Instrument :

BNA_F

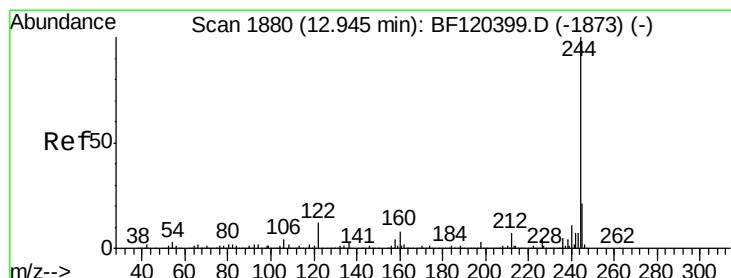
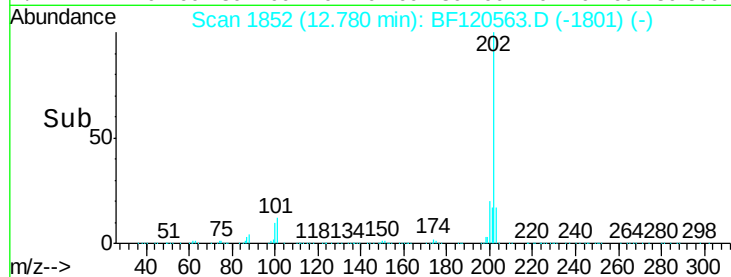
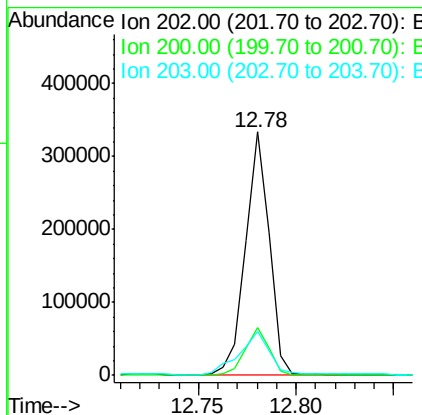
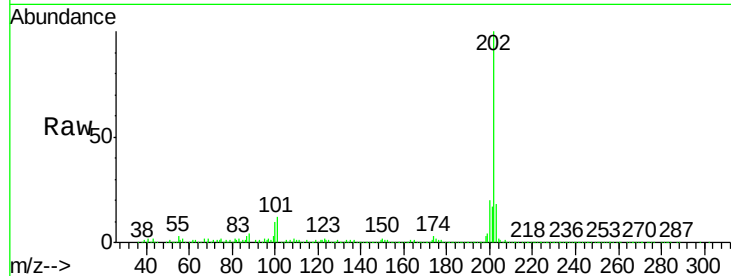
ClientSampleId :

26572-25062-251686

Tot Ion:	202	Resp:	280516
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.6	24.8
203	17.9	14.4	21.6

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#79

Terphenyl-d14

Concen: 67.407 ng

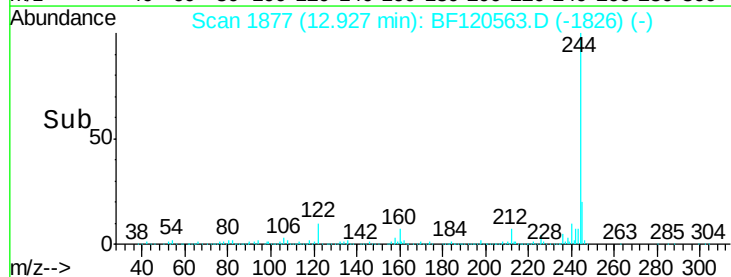
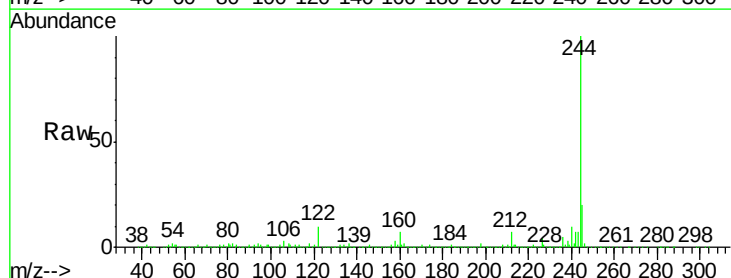
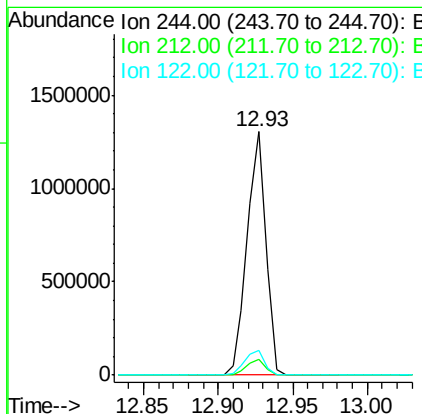
RT: 12.93 min Scan# 1877

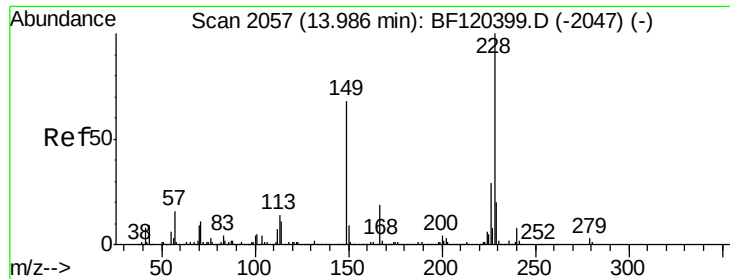
Delta R.T. 0.00 min

Lab File: BF120563.D

Acq: 5 Jun 2020 16:54

Tgt Ion:	244	Resp:	1138369
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.3	7.9
122	10.3	8.4	12.6





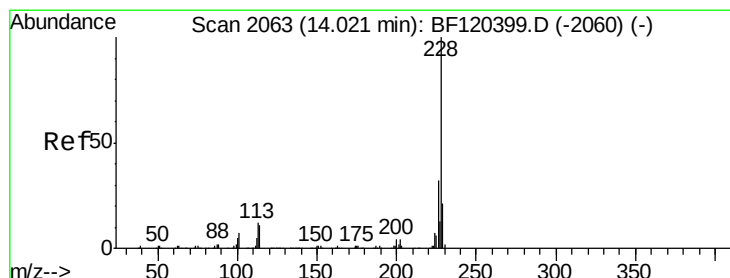
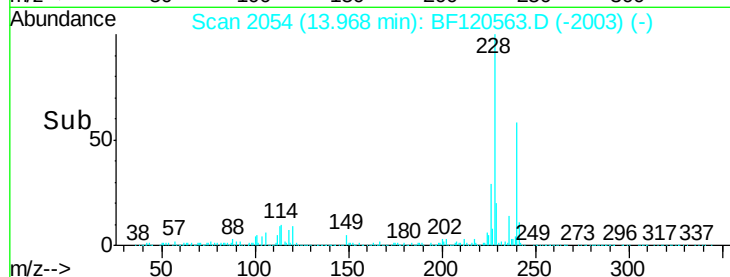
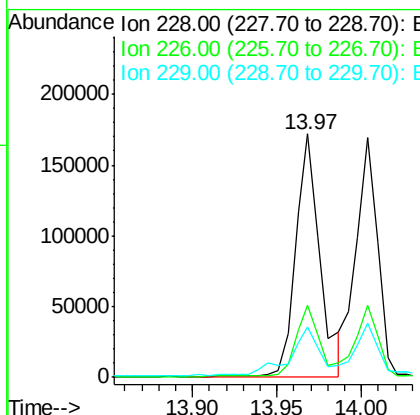
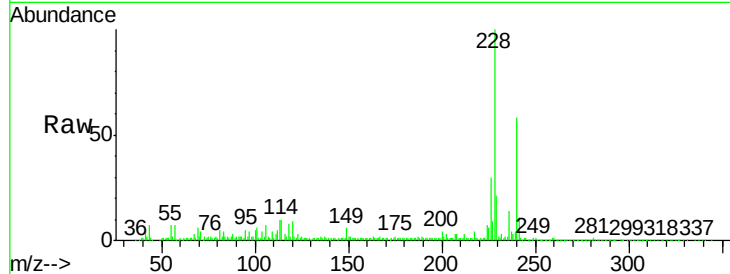
#81
Benzo(a)anthracene
Concen: 8.508 ng
RT: 13.97 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BF120563.D
Acq: 5 Jun 2020 16:54

Instrument :
BNA_F
ClientSampleId :
26572-25062-251686

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.7	34.1
229	20.6	16.2	24.4

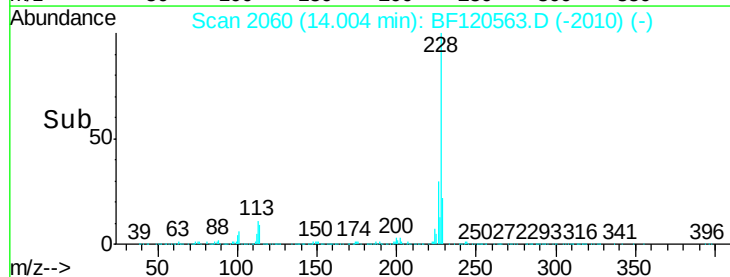
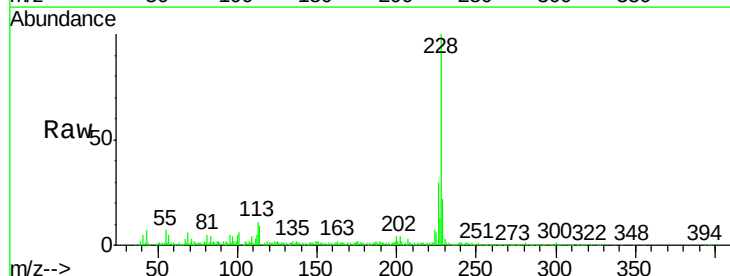
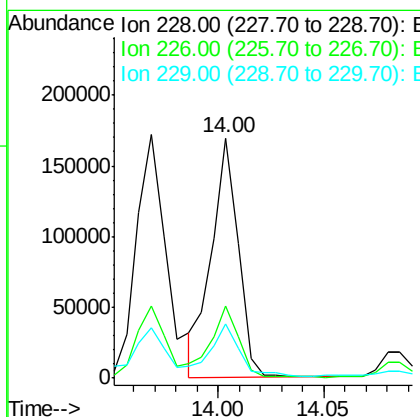
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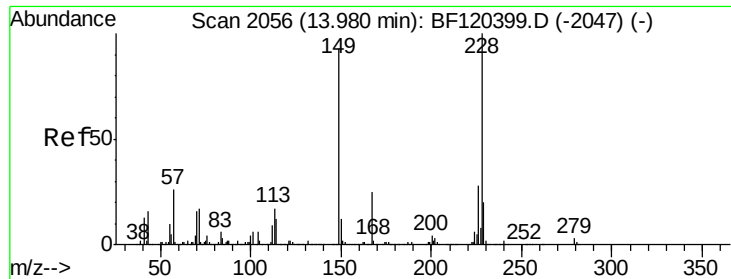
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#83
Chrysene
Concen: 7.107 ng
RT: 14.00 min Scan# 2060
Delta R.T. -0.01 min
Lab File: BF120563.D
Acq: 5 Jun 2020 16:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.7	37.1
229	22.5	15.6	23.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.005 ng

RT: 13.96 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF120563.D

Acq: 5 Jun 2020 16:54

Instrument :

BNA_F

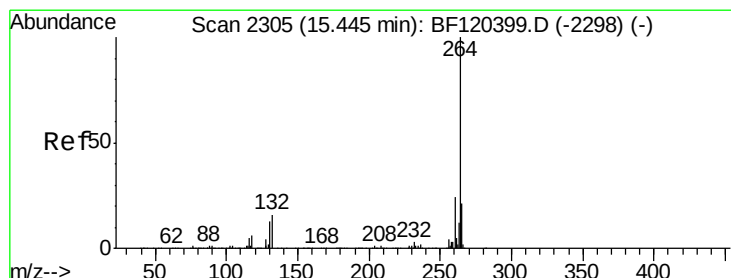
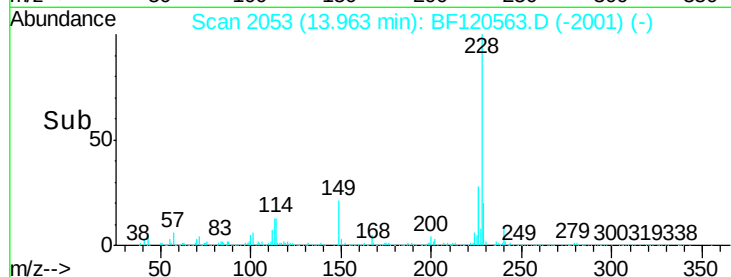
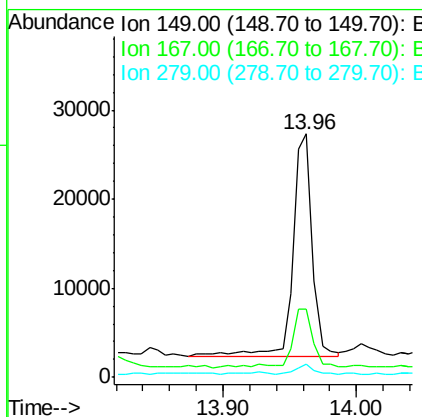
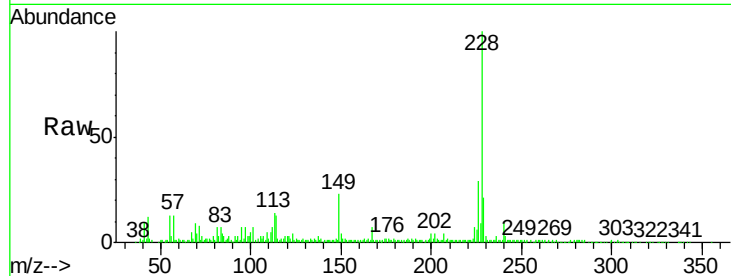
ClientSampleId :

26572-25062-251686

Tot Ion:	149	Resp:	25682
Ion Ratio	Lower	Upper	
149	100		
167	28.1	21.8	32.6
279	5.6	2.7	4.1#

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#86

Perylene-d12

Concen: 20.000 ng

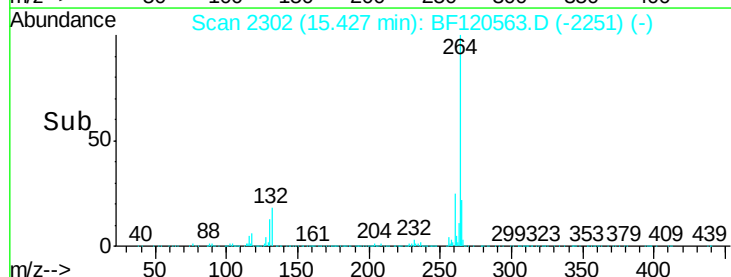
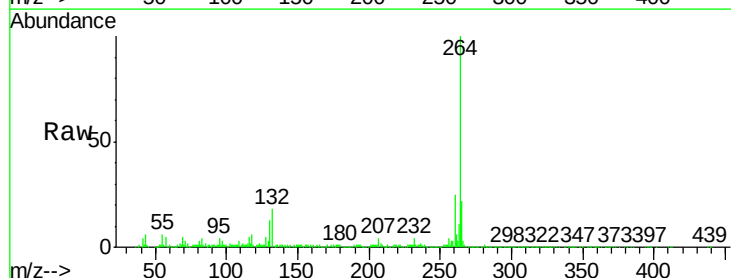
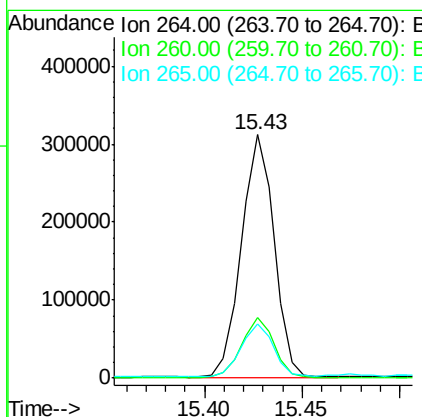
RT: 15.43 min Scan# 2302

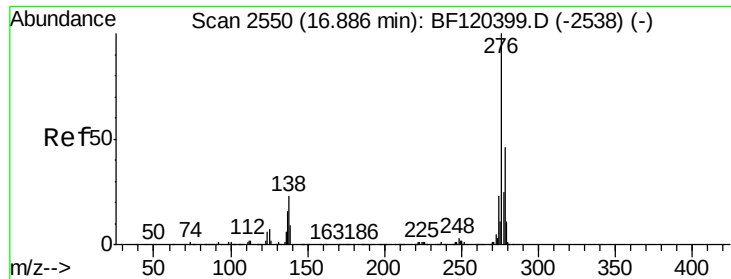
Delta R.T. 0.00 min

Lab File: BF120563.D

Acq: 5 Jun 2020 16:54

Tgt Ion:	264	Resp:	360089
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.6	29.4
265	22.4	17.2	25.8





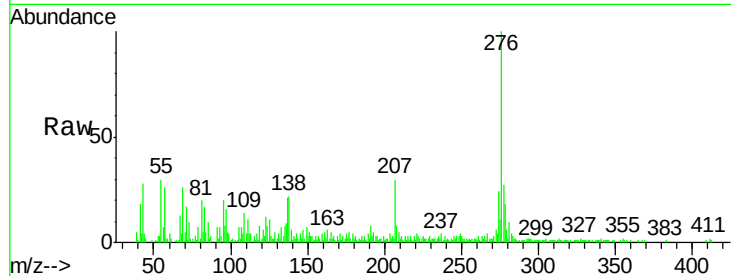
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.351 ng
 RT: 16.86 min Scan# 2545
 Delta R.T. -0.01 min
 Lab File: BF120563.D
 Acq: 5 Jun 2020 16:54

Instrument :
 BNA_F
 ClientSampleId :
 26572-25062-251686

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	17.8	26.8
277	25.3	20.1	30.1

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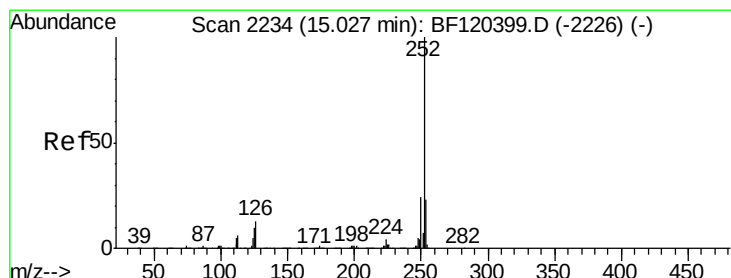
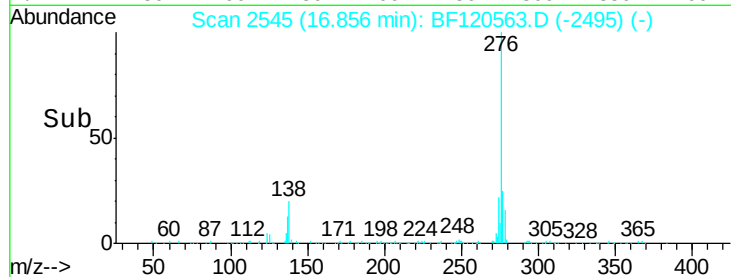
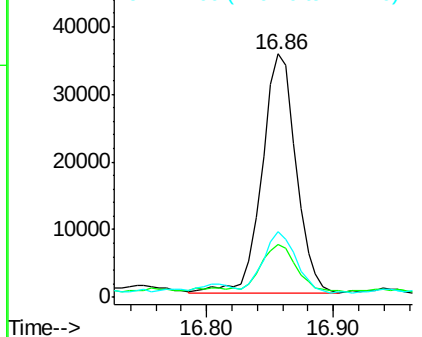


Abundance

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



#88
 Benzo(b)fluoranthene
 Concen: 10.695 ng m
 RT: 15.01 min Scan# 2231
 Delta R.T. 0.00 min
 Lab File: BF120563.D
 Acq: 5 Jun 2020 16:54

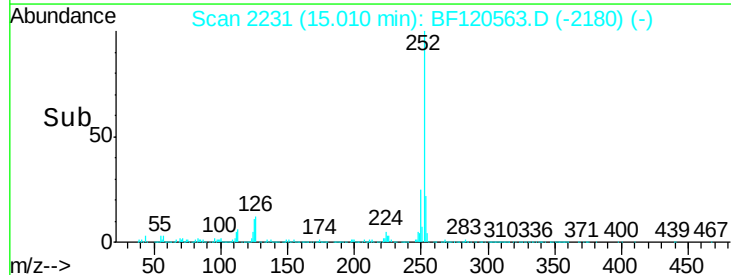
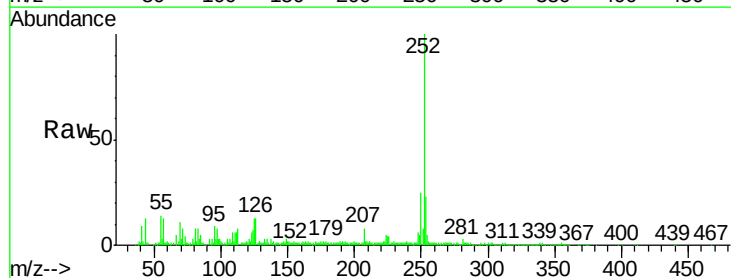
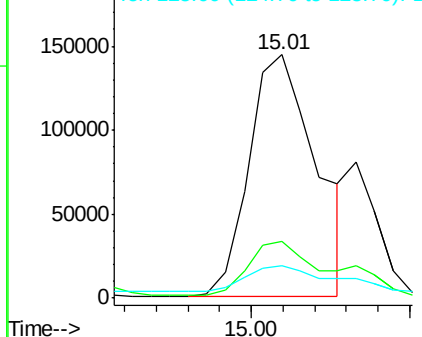
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	13.3	6.7	10.1

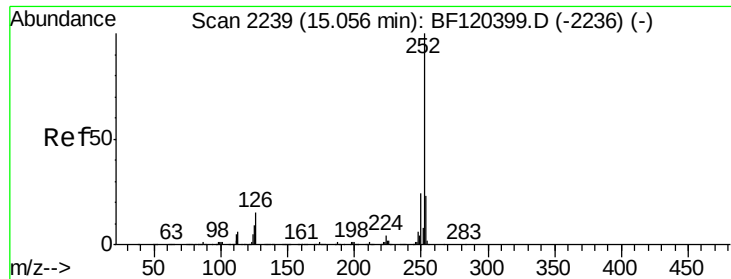
Abundance

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





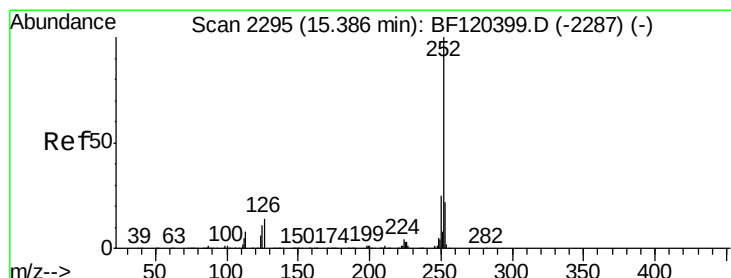
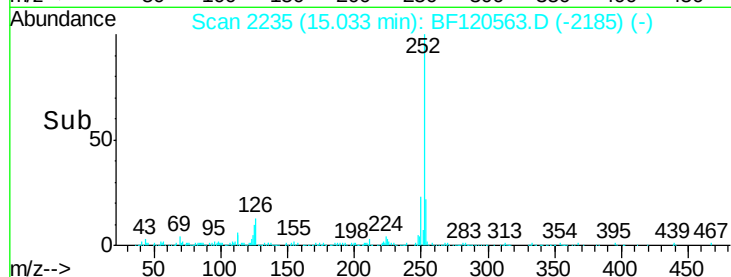
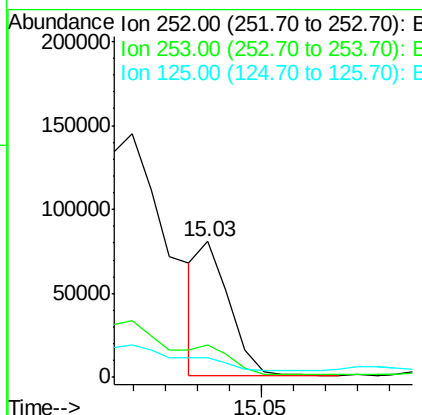
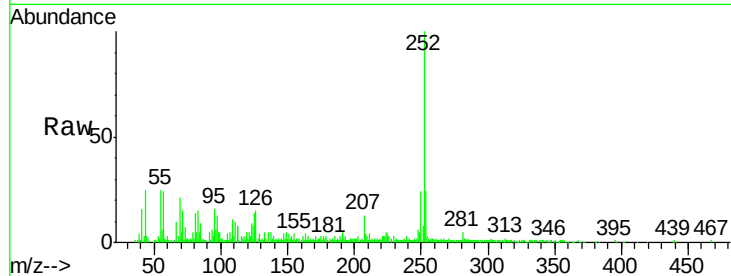
#89
Benzo(k)fluoranthene
Concen: 2.819 ng m
RT: 15.03 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF120563.D
Acq: 5 Jun 2020 16:54

Instrument :
BNA_F
ClientSampleId :
26572-25062-251686

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	14.2	6.8	10.2

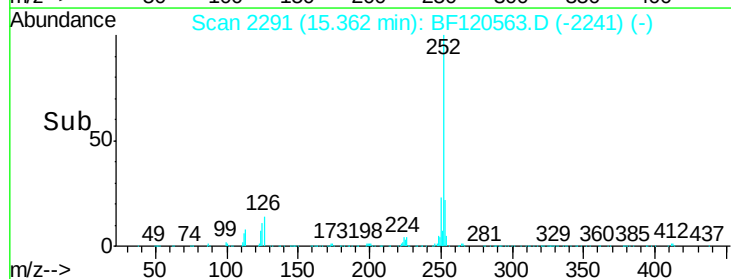
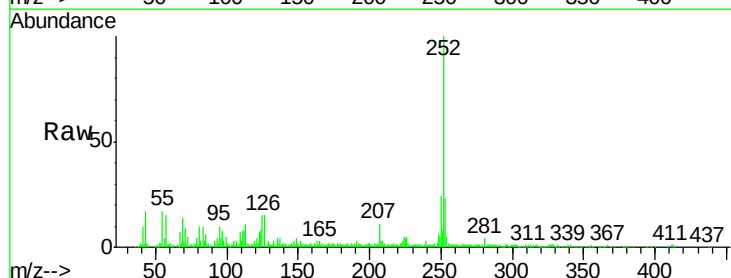
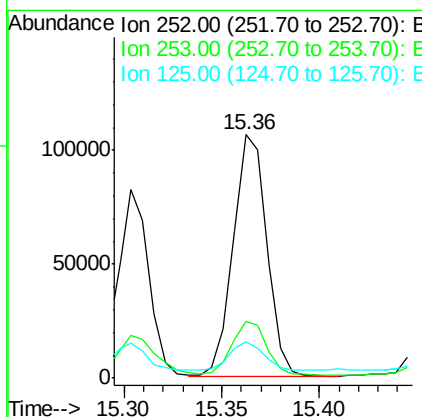
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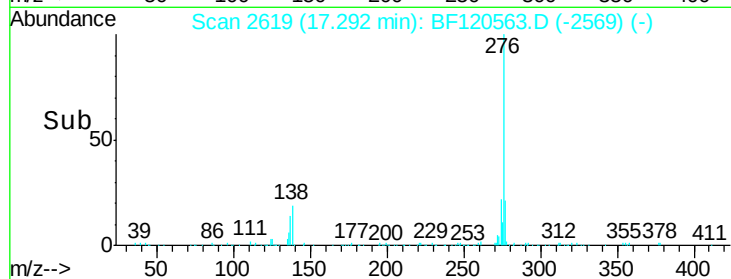
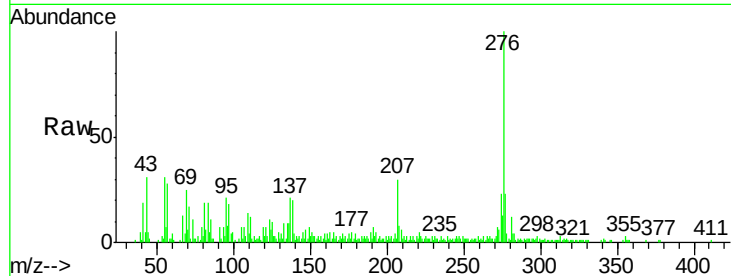
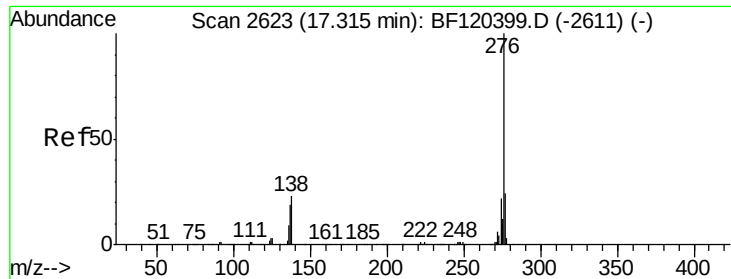
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#90
Benzo(a)pyrene
Concen: 7.237 ng
RT: 15.36 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF120563.D
Acq: 5 Jun 2020 16:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	14.7	7.8	11.8





#92
Benzo(a,h,i)perylene
Concen: 3.876 ng
RT: 17.29 min Scan# 2619
Delta R.T. -0.01 min
Lab File: BF120563.D
Acq: 5 Jun 2020 16:54

Instrument :
BNA_F
ClientSampleId :
26572-25062-251686

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	23.0	18.8	28.2	
138	20.4	15.4	23.0	

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