

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120436.D
 Acq On : 29 May 2020 13:55
 Operator : MA/SJ
 Sample : L2498-09 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-052220

Manual Integrations
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Quant Time: May 29 14:33:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	282971	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1050926	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	517975	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	826319	20.00	ng	0.00
76) Chrysene-d12	13.99	240	558050	20.00	ng	0.00
86) Perylene-d12	15.45	264	602528	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1041376	70.13	ng	0.00
7) Phenol-d6	6.46	99	1297076	70.87	ng	0.00
23) Nitrobenzene-d5	7.40	82	804463	50.07	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	320326	66.74	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1574404	51.57	ng	0.00
79) Terphenyl-d14	12.94	244	1300205	51.85	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	178634	5.516	ng	98
71) Phenanthrene	11.38	178	135415	3.719	ng	97
75) Fluoranthene	12.56	202	265007	6.764	ng	99
78) Pyrene	12.79	202	255475	6.583	ng	98
81) Benzo(a)anthracene	13.98	228	136615	4.568	ng	96
83) Chrysene	14.02	228	121746	3.883	ng	95
87) Indeno(1,2,3-cd)pyrene	16.88	276	82668	2.509	ng	93
88) Benzo(b)fluoranthene	15.02	252	172028m	5.140	ng	
89) Benzo(k)fluoranthene	15.05	252	70855m	2.268	ng	
90) Benzo(a)pyrene	15.38	252	131423	4.490	ng	# 93
92) Benzo(g,h,i)perylene	17.32	276	81531	3.077	ng	96

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

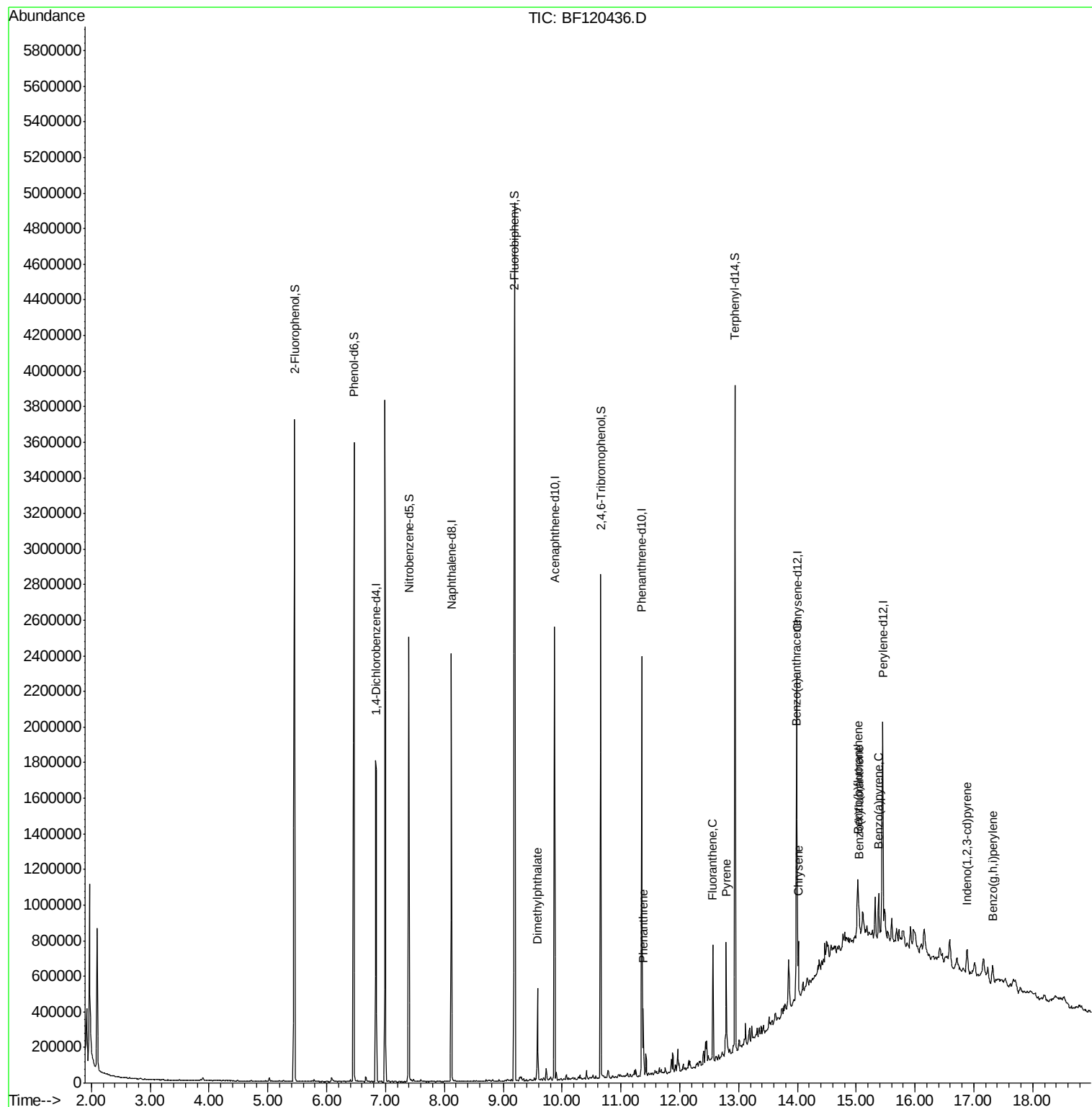
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
Data File : BF120436.D
Acq On : 29 May 2020 13:55
Operator : MA/SJ
Sample : L2498-09 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

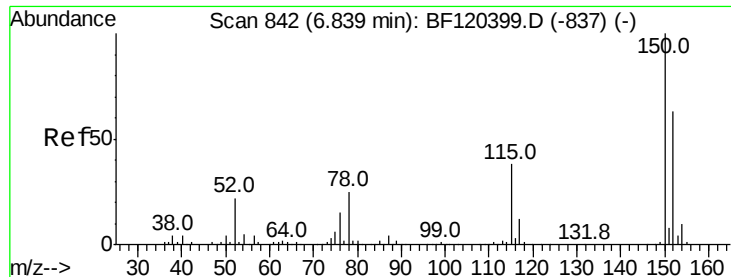
Instrument :
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Quant Time: May 29 14:33:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

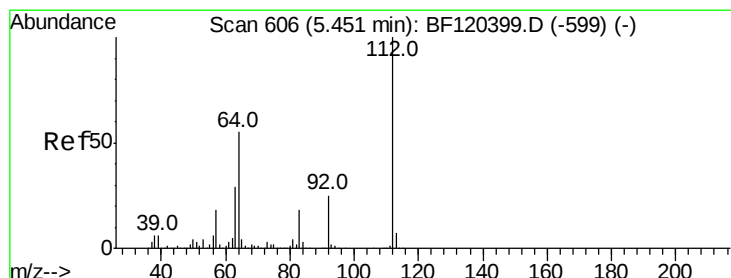
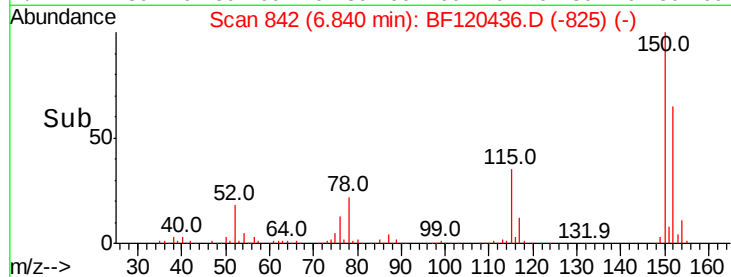
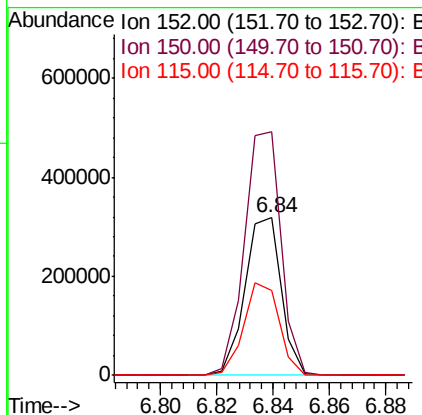
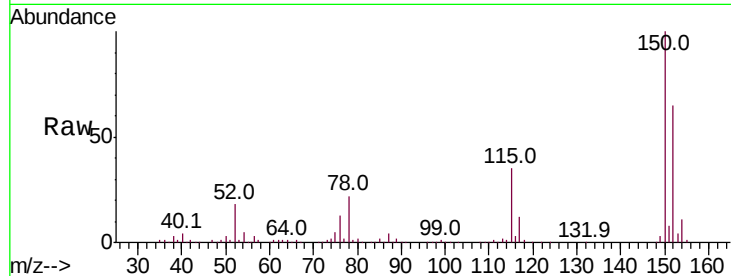
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Instrument :
BNA_F
ClientSampleId :
CL-01-052220

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.5	189.7
115	54.1	47.6	71.4

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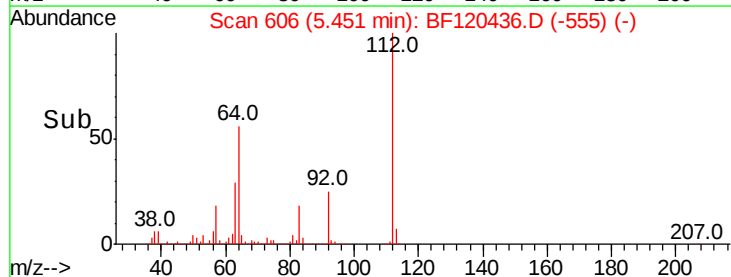
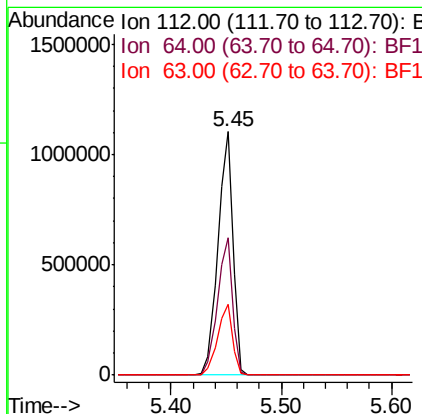
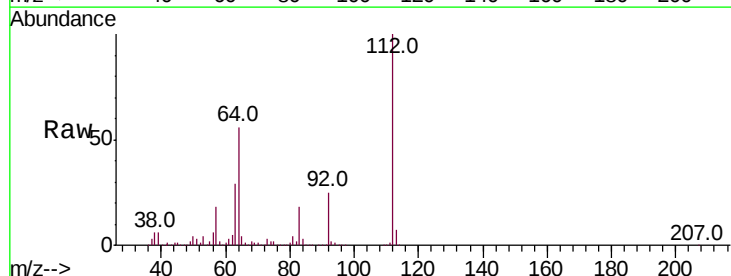
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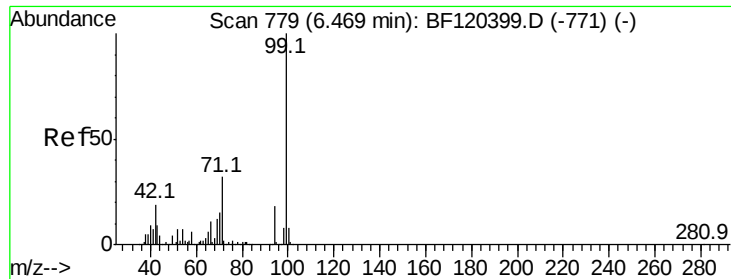


#5

2-Fluorophenol
Concen: 70.134 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	44.3	66.5
63	28.9	22.9	34.3





#7

Phenol-d6

Concen: 70.872 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

Instrument :

BNA_F

ClientSampleId :

CL-01-052220

Tot Ion: 99 Resp: 1297076

Ion Ratio Lower Upper

99 100

42 18.0 15.2 22.8

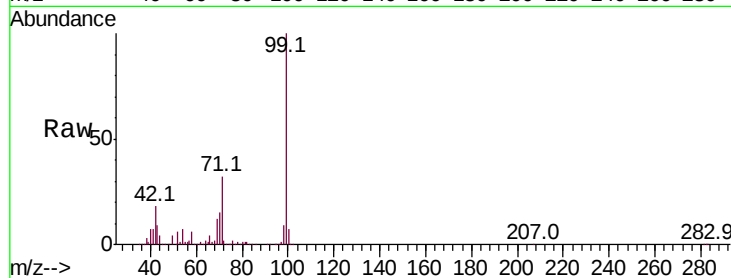
71 32.4 25.6 38.4

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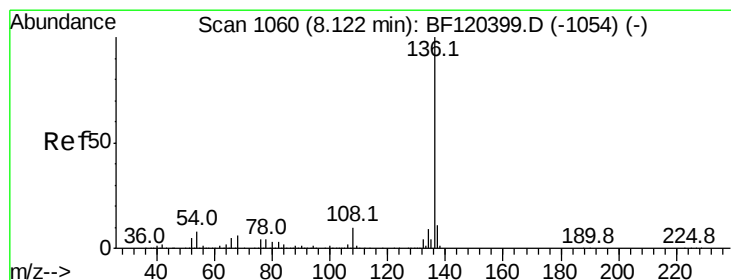
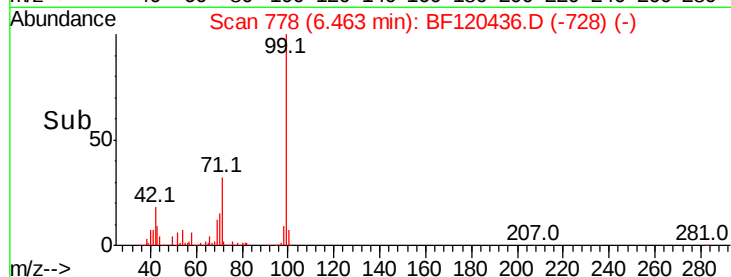
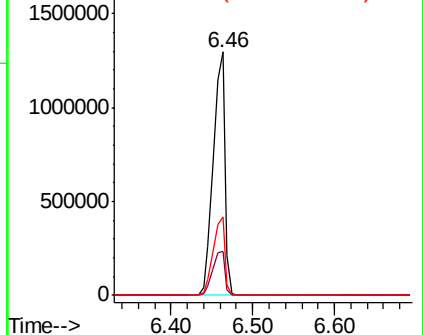
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.12 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

Tgt Ion: 136 Resp: 1050926

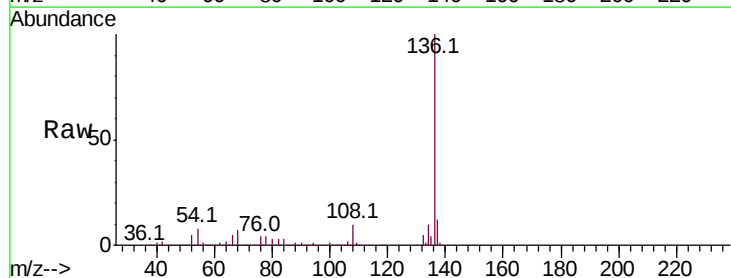
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 8.4 6.7 10.1

68 6.6 5.0 7.4

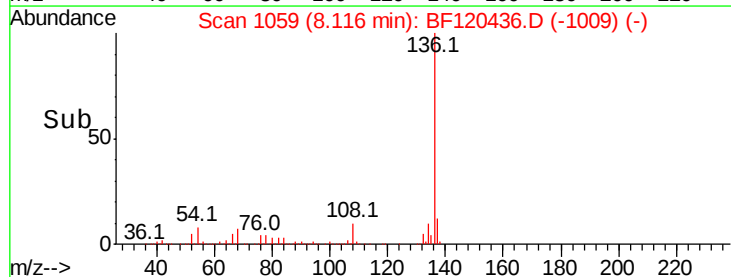
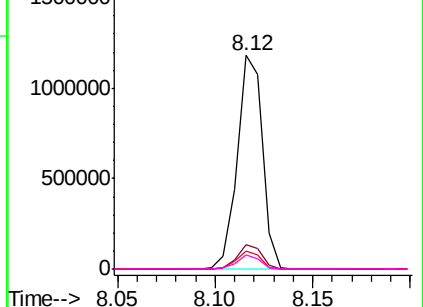


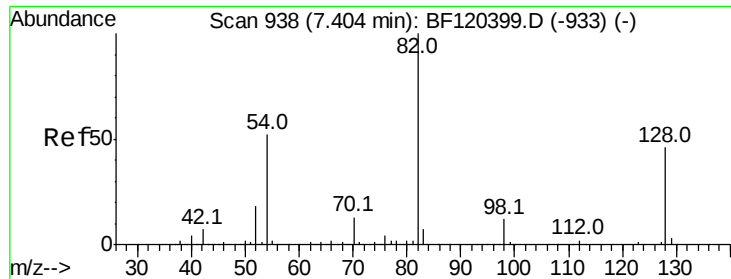
Abundance Ion 136.00 (135.70 to 136.70): E

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





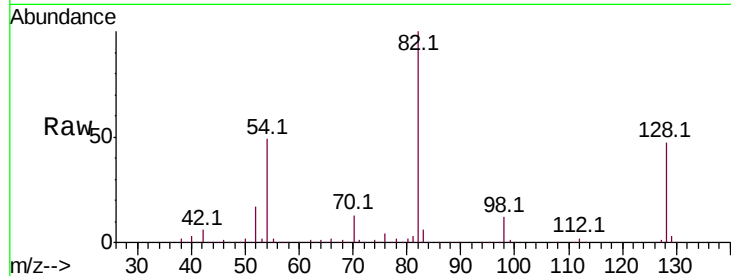
#23
 Nitrobenzene-d5
 Concen: 50.072 ng
 RT: 7.40 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BF120436.D
 Acq: 29 May 2020 13:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-052220

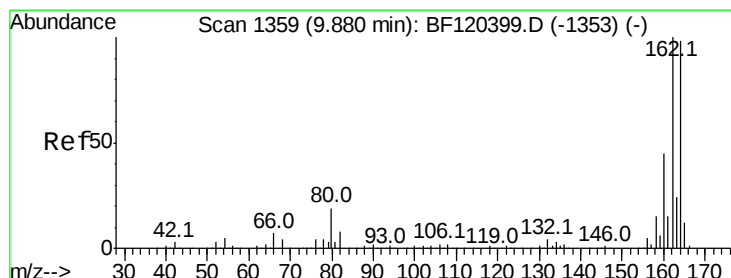
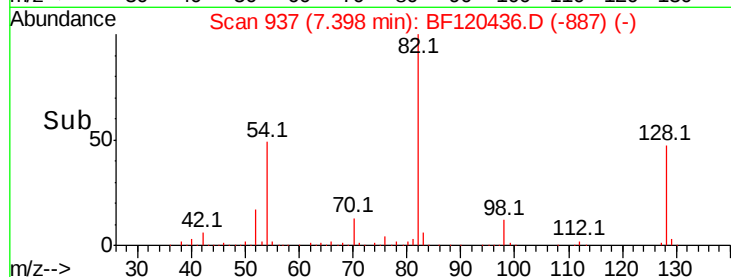
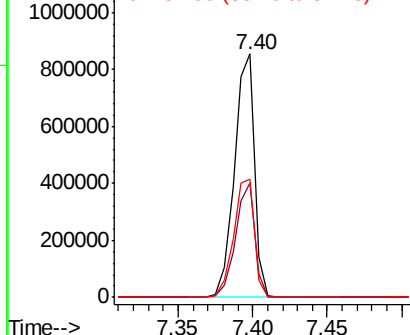
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.8	55.2
54	48.7	41.6	62.4

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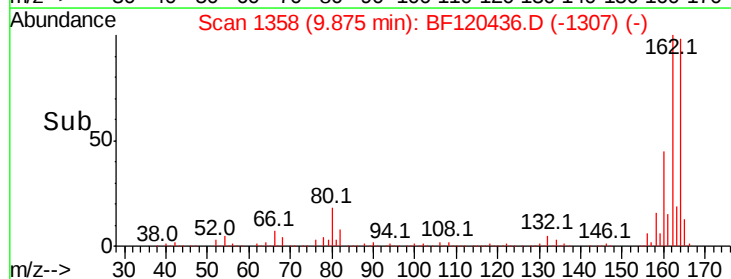
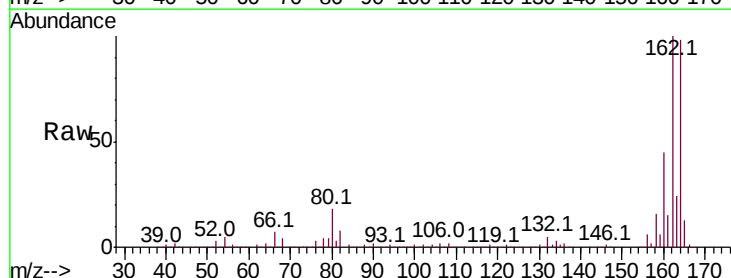
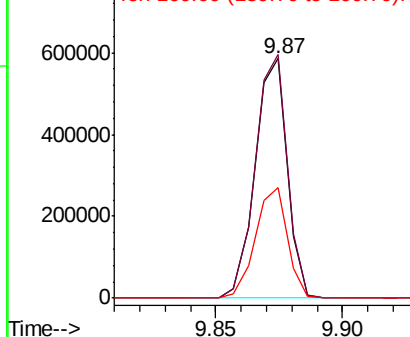
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

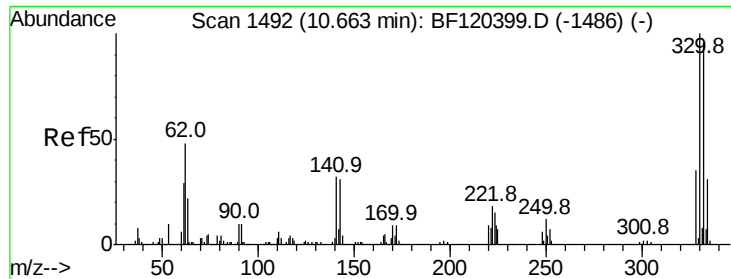


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: BF120436.D
 Acq: 29 May 2020 13:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.3	121.9
160	46.1	36.9	55.3

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





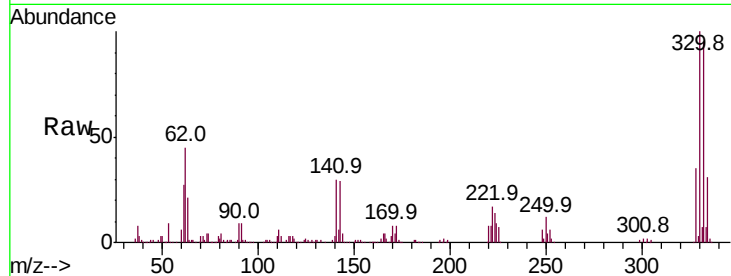
#42
 2,4,6-Tribromophenol
 Concen: 66.745 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120436.D
 Acq: 29 May 2020 13:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-052220

Tot Ion	Ratio	Resp	Lower	Upper
330	100	320326		
332	95.0	77.0	115.6	
141	31.0	25.3	37.9	

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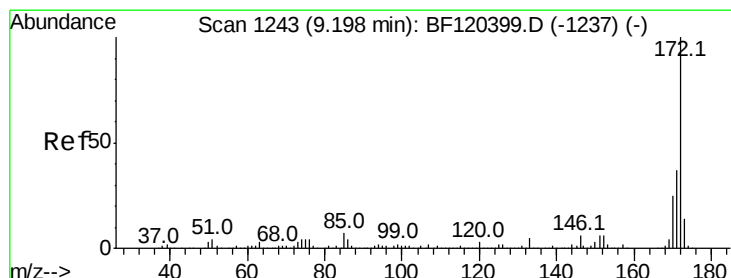
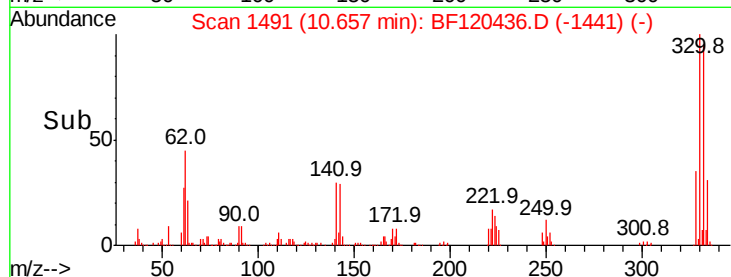
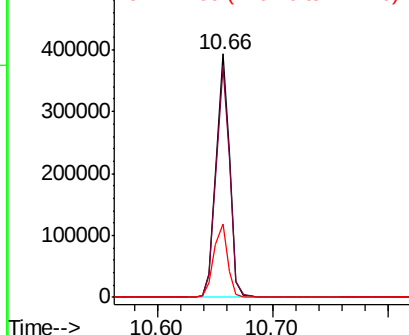


Abundance

Ion 329.80 (329.50 to 330.50): E

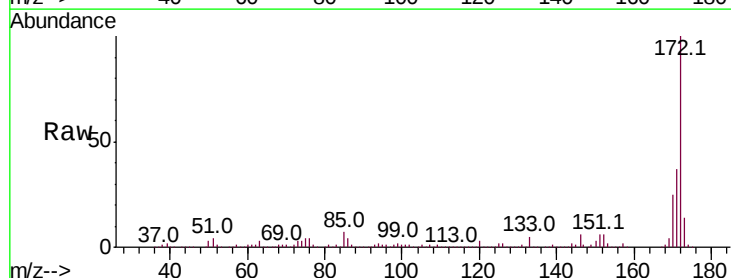
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 51.572 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120436.D
 Acq: 29 May 2020 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1574404		
171	36.9	29.7	44.5	
170	24.8	19.9	29.9	

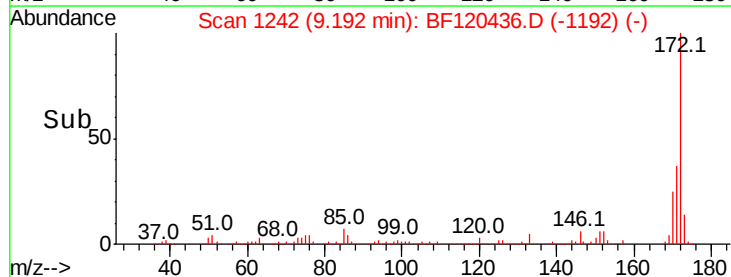
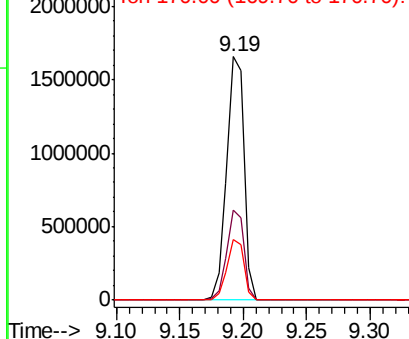


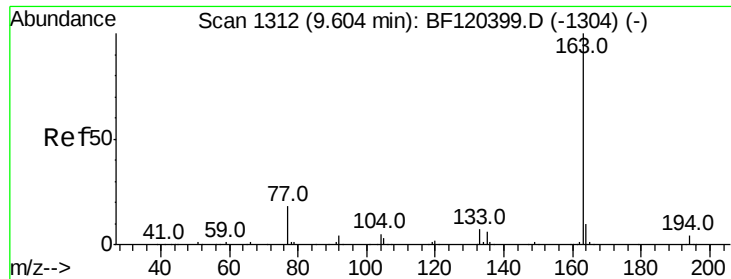
Abundance

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





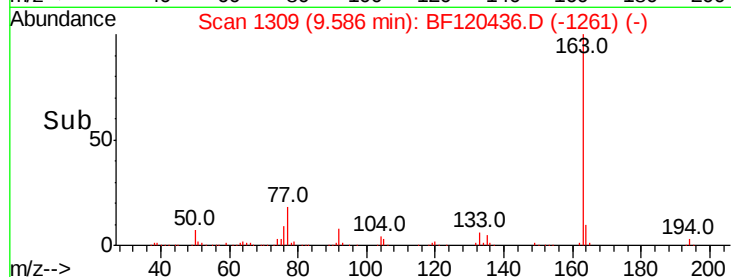
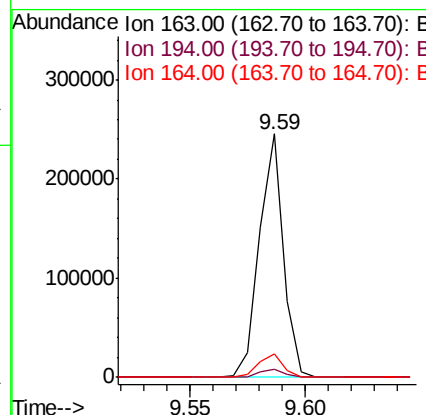
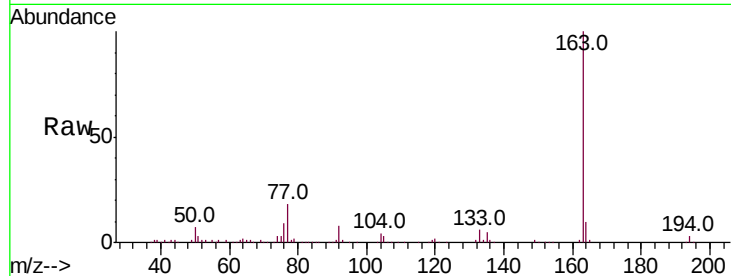
#50
Dimethylphthalate
Concen: 5.516 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Instrument :
BNA_F
ClientSampleId :
CL-01-052220

Tot Ion	Ratio	Resp	Lower	Upper
163	100	178634		
194	3.5		3.3	4.9
164	9.8		8.3	12.5

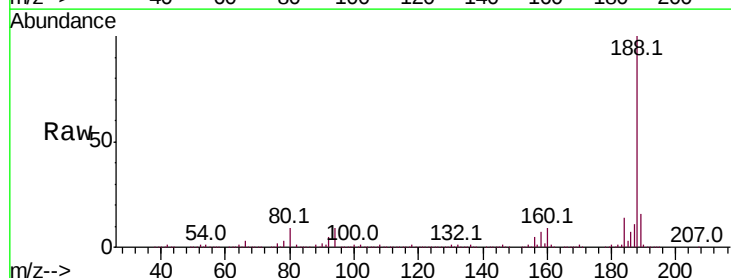
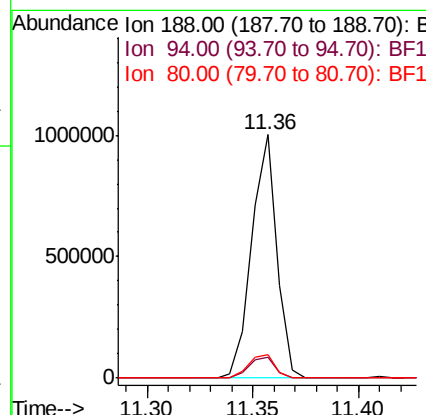
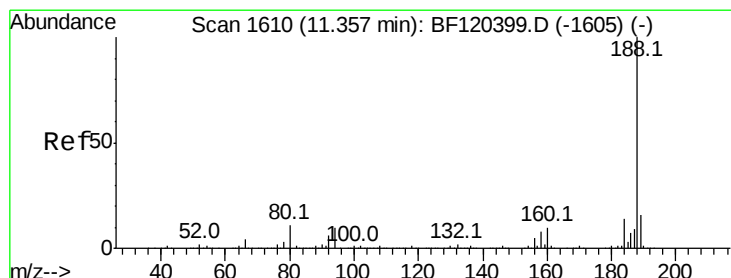
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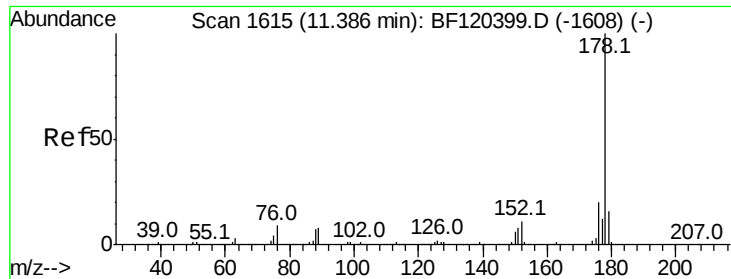
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	826319		
94	8.8		7.9	11.9
80	9.4		8.6	13.0





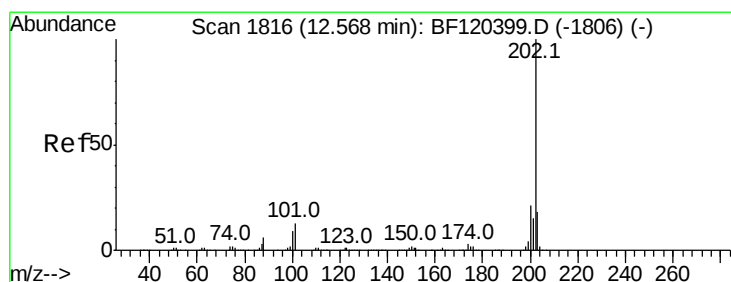
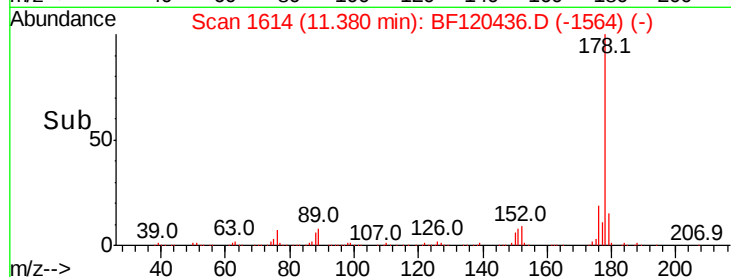
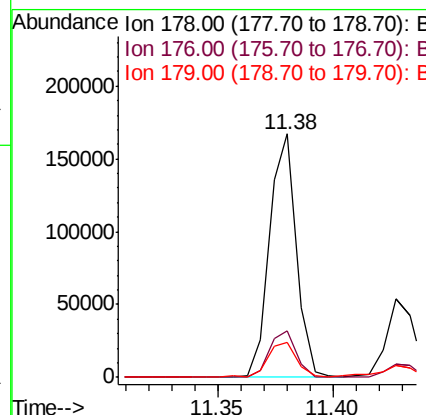
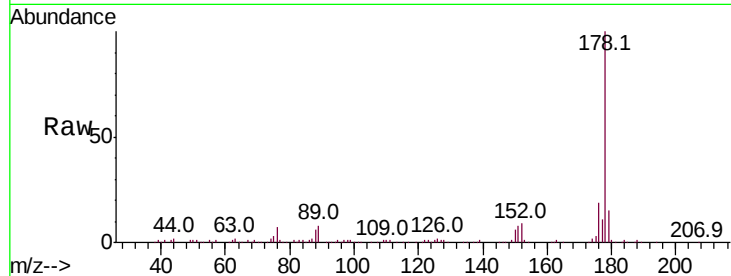
#71
Phenanthrene
Concen: 3.719 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Instrument :
BNA_F
ClientSampleId :
CL-01-052220

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.4	24.6
179	14.6	13.0	19.4

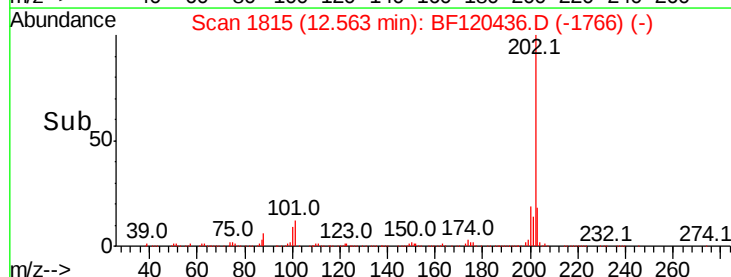
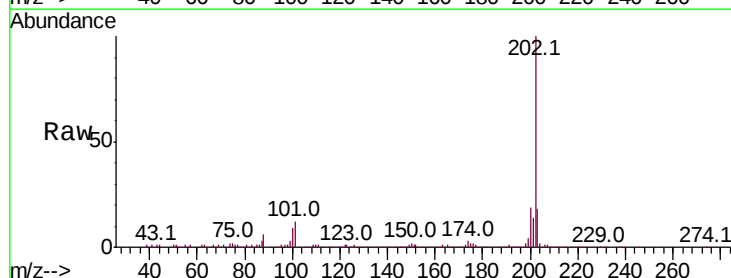
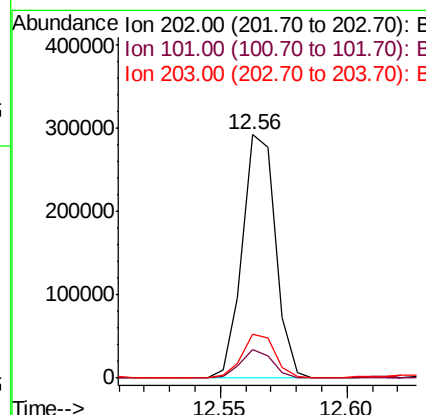
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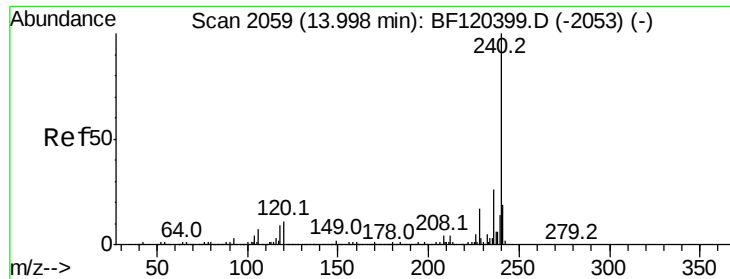
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#75
Fluoranthene
Concen: 6.764 ng
RT: 12.56 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.6
203	18.1	0.0	38.4





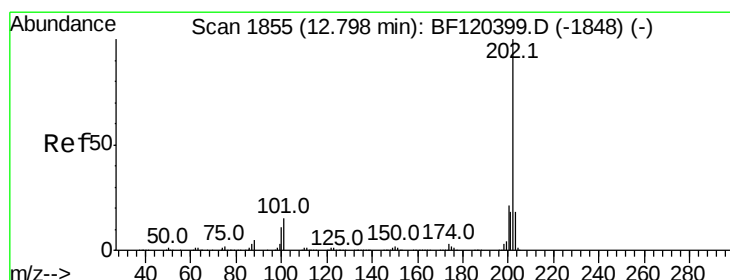
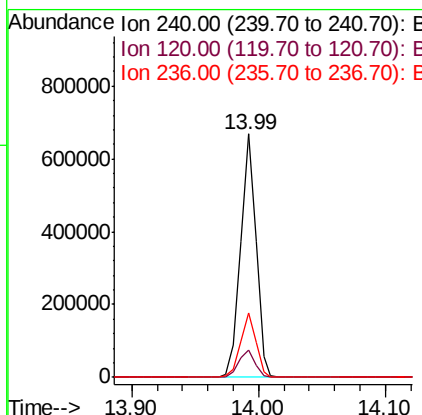
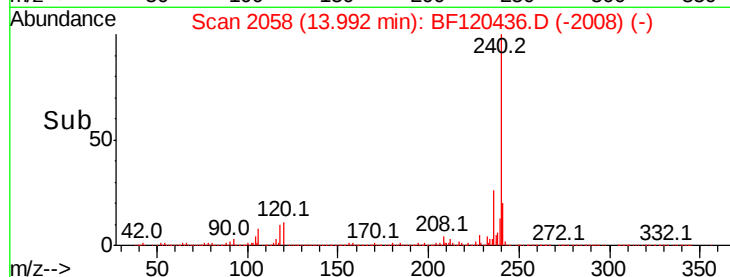
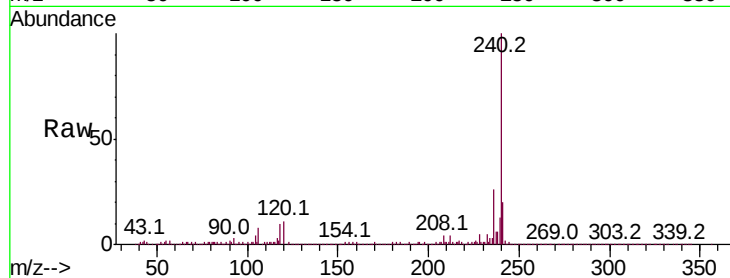
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2058
 Delta R.T. -0.01 min
 Lab File: BF120436.D
 Acq: 29 May 2020 13:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-052220

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.4	8.8	13.2
236	26.4	21.0	31.4

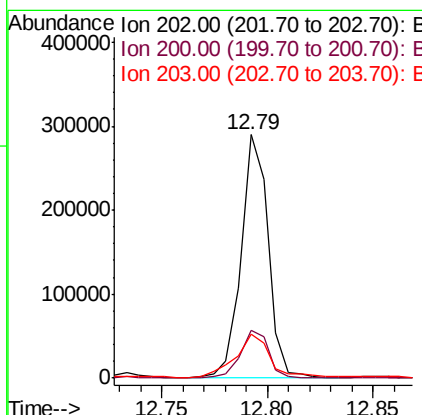
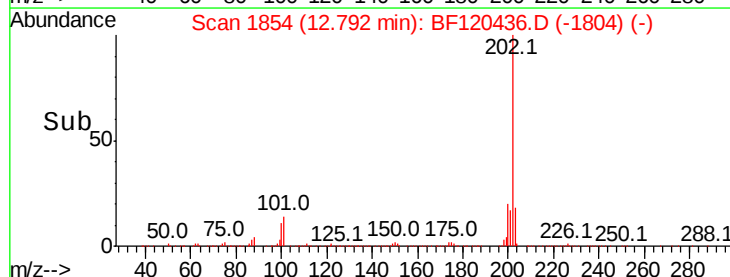
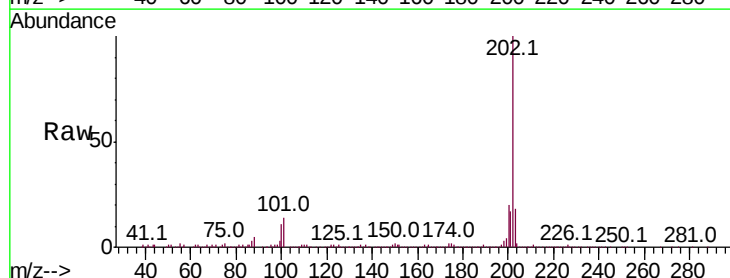
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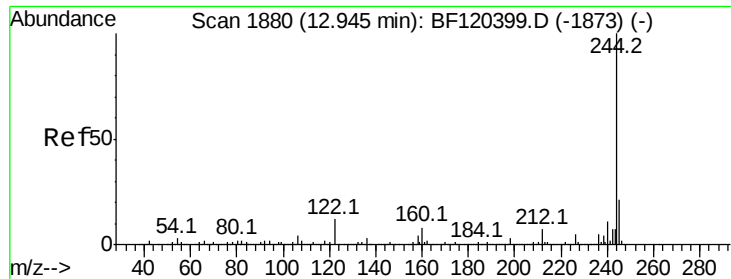
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#78
 Pyrene
 Concen: 6.583 ng
 RT: 12.79 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF120436.D
 Acq: 29 May 2020 13:55

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	19.7	17.0	25.4
203	18.1	14.7	22.1





#79

Terphenyl-d14

Concen: 51.846 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

Instrument :

BNA_F

ClientSampleId :

CL-01-052220

Tot Ion:244 Resp: 1300205

Ion Ratio Lower Upper

244 100

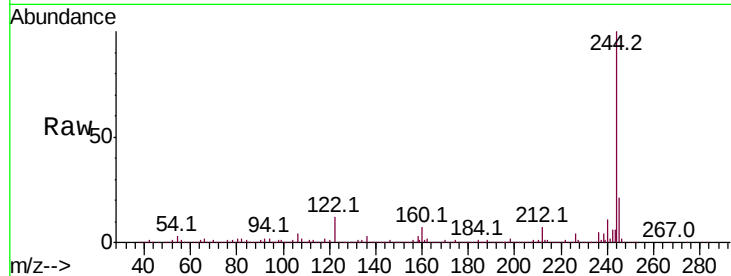
212 6.8 5.9 8.9

122 11.7 9.2 13.8

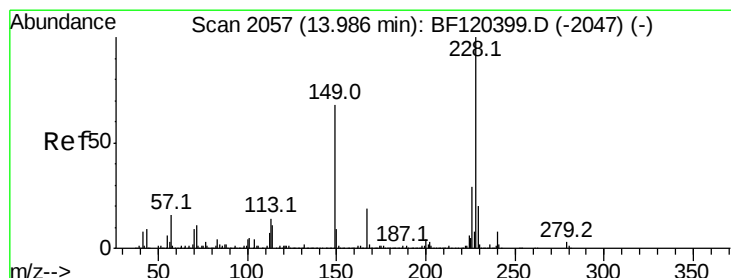
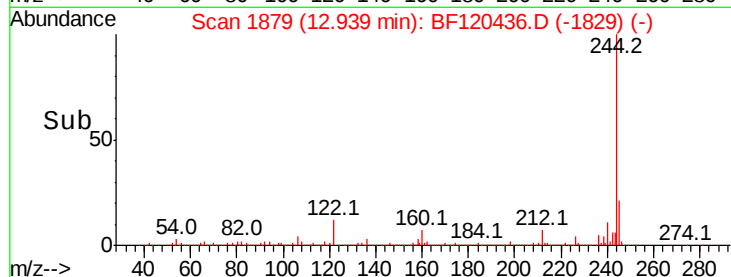
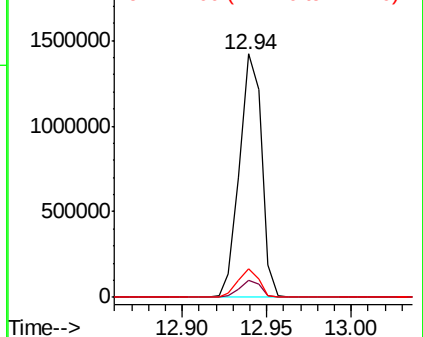
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.568 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

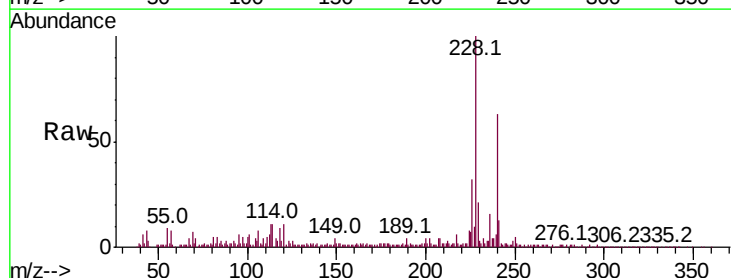
Tgt Ion:228 Resp: 136615

Ion Ratio Lower Upper

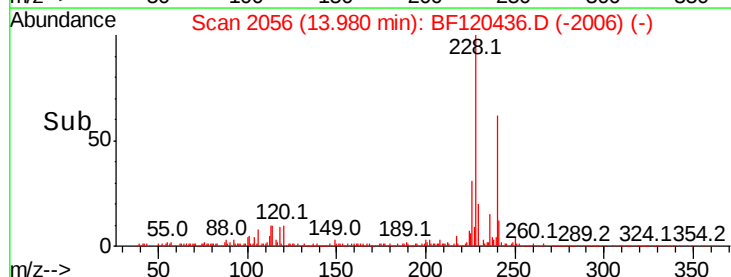
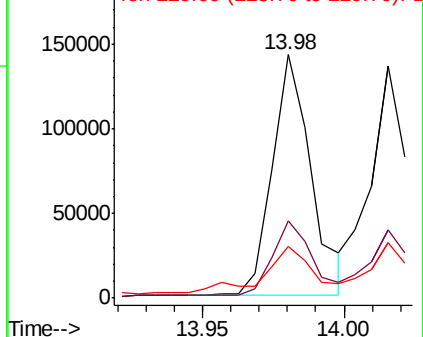
228 100

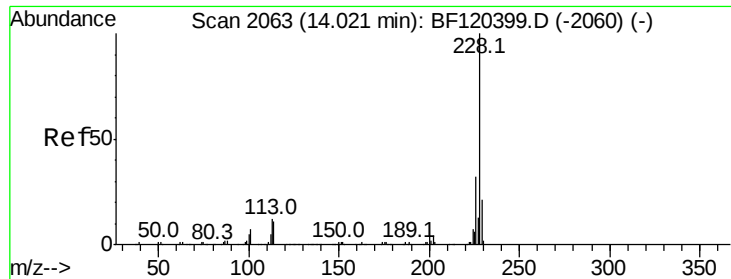
226 31.8 23.0 34.4

229 21.2 16.2 24.4



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





#83

Chrysene

Concen: 3.883 ng

RT: 14.02 min Scan# 2062

Delta R.T. -0.01 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

Instrument :

BNA_F

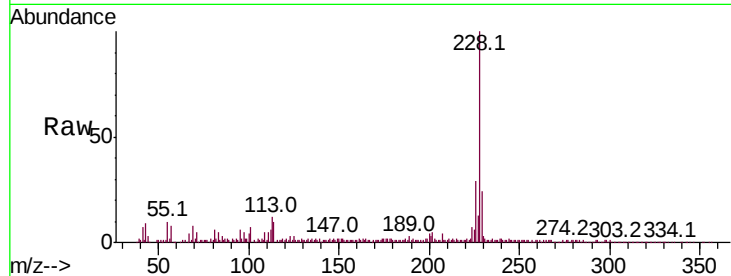
ClientSampleId :

CL-01-052220

Tot Ion:	228	Resp:	121746
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.6	38.4
229	23.8	16.6	25.0

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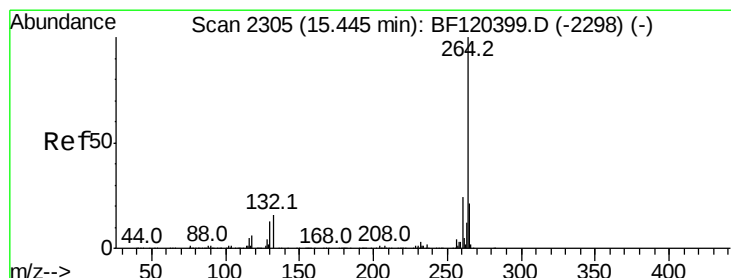
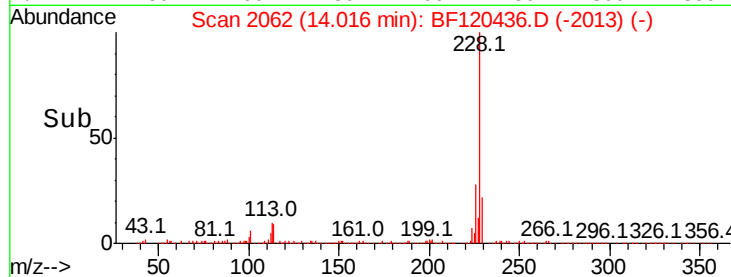
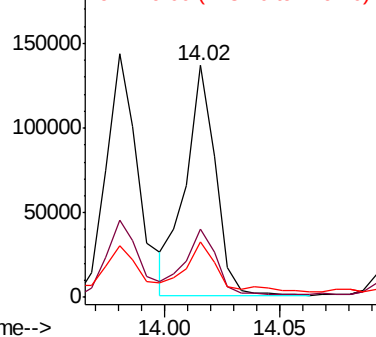


Abundance

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

Perylene-d12

Concen: 20.000 ng

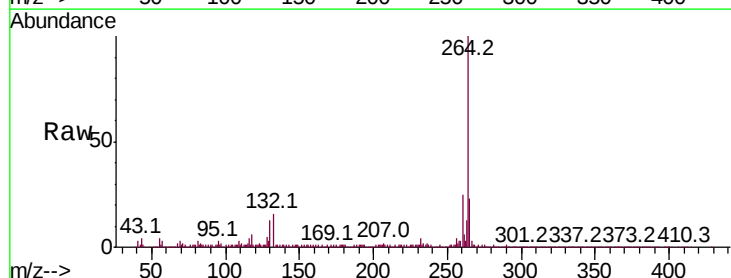
RT: 15.45 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

Tgt Ion:	264	Resp:	602528
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	22.7	16.9	25.3

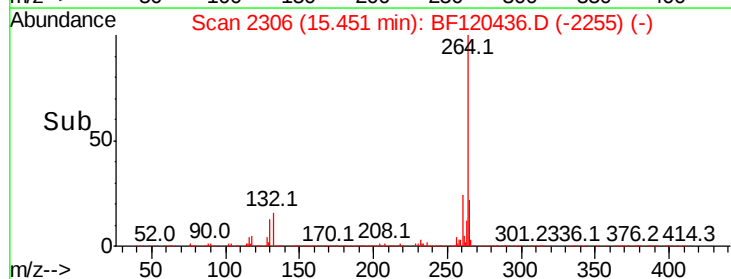
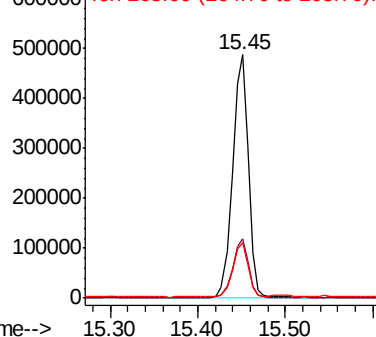


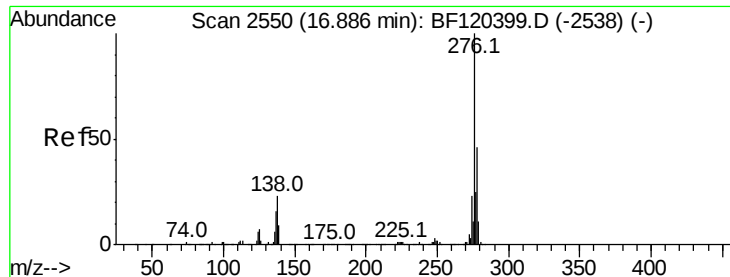
Abundance

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





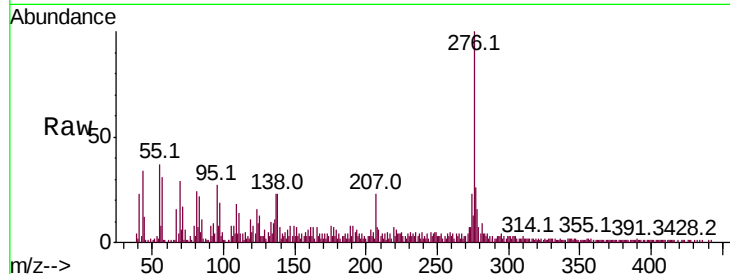
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.509 ng
RT: 16.88 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Instrument :
BNA_F
ClientSampleId :
CL-01-052220

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	20.4	30.6
277	23.4	20.4	30.6

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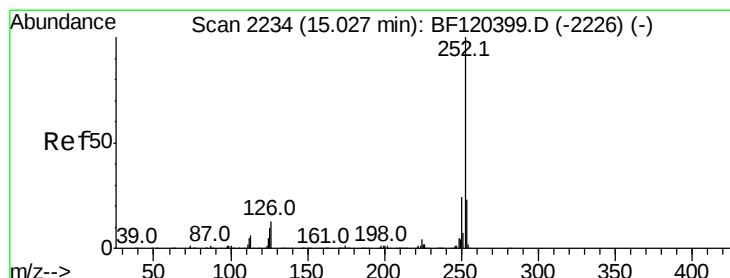
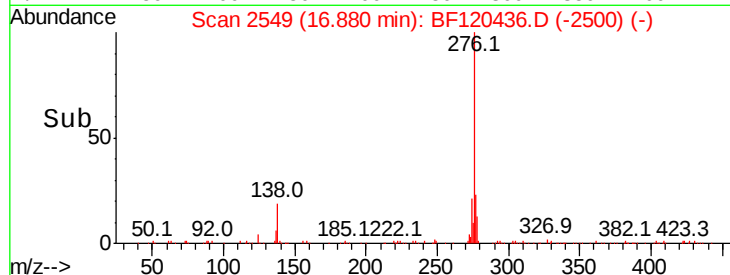
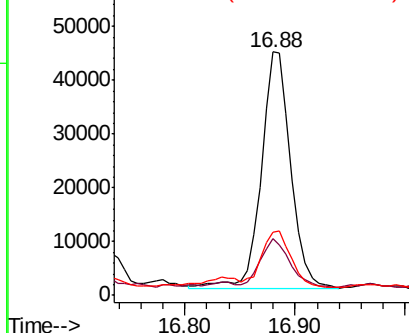


Abundance

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: 5.140 ng m
RT: 15.02 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

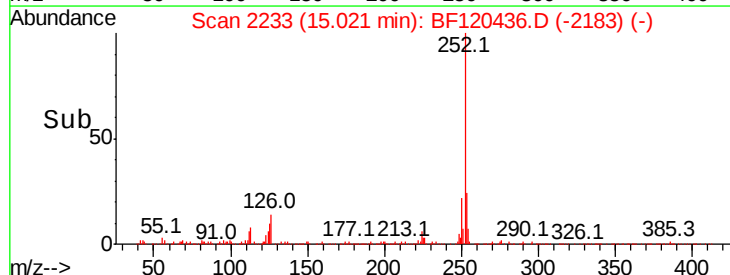
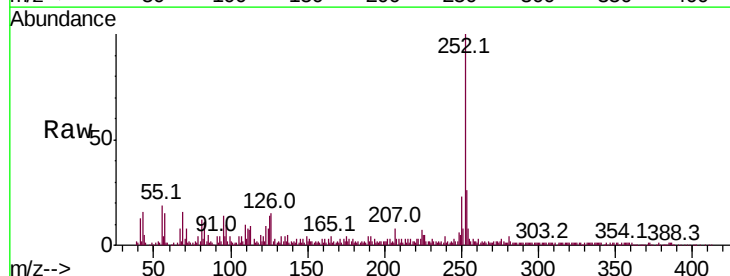
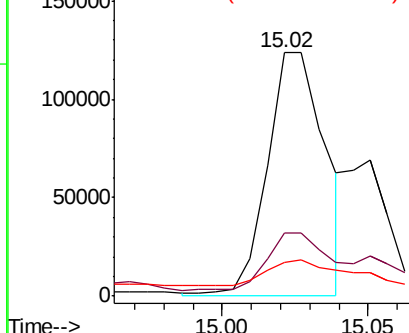
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.1	27.1
125	14.0	7.8	11.8

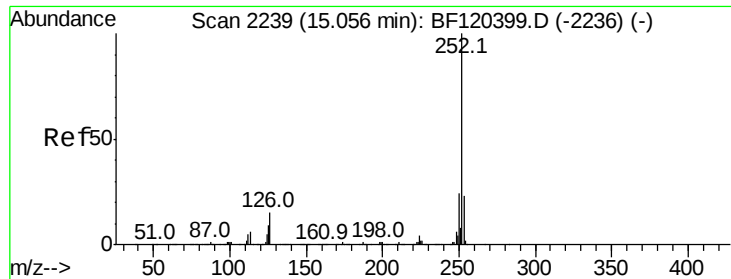
Abundance

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





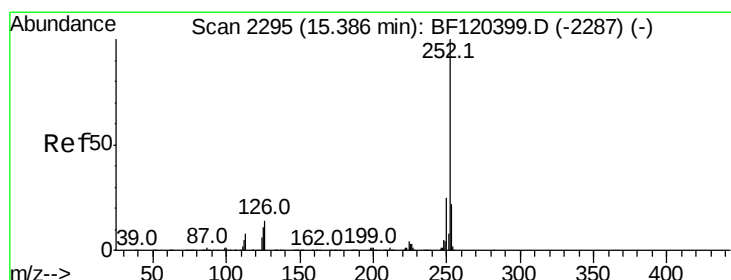
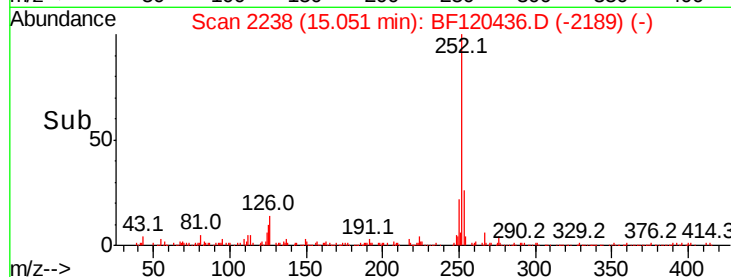
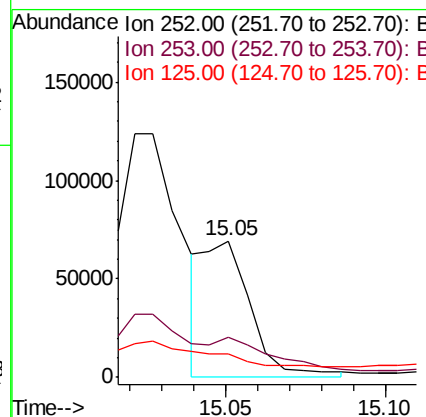
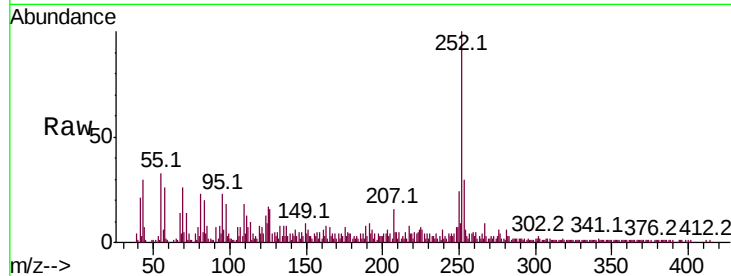
#89
Benzo(k)fluoranthene
Concen: 2.268 ng m
RT: 15.05 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Instrument :
BNA_F
ClientSampleId :
CL-01-052220

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.7	18.5	27.7#
125	17.3	8.0	12.0#

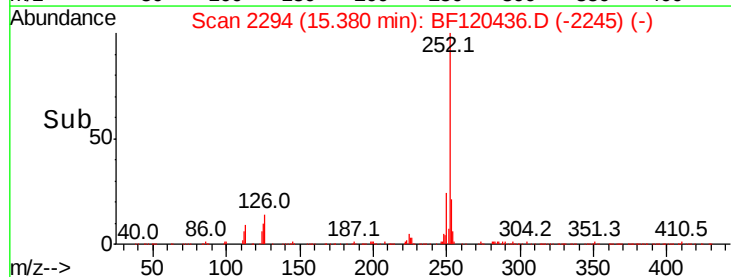
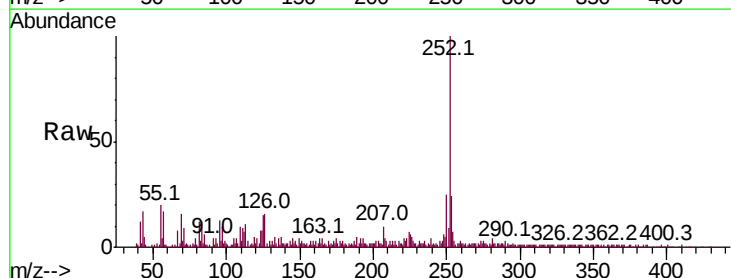
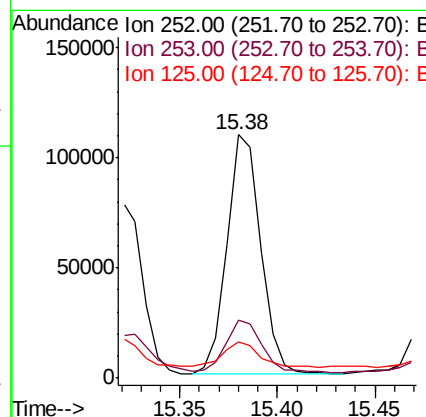
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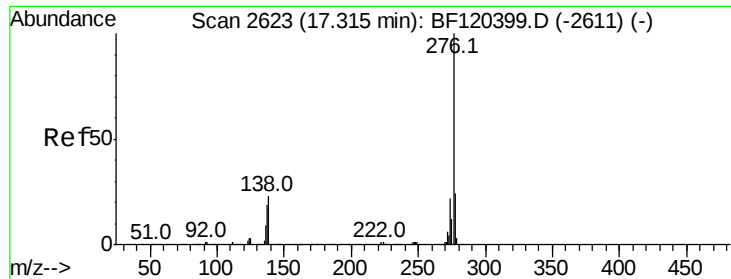
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#90
Benzo(a)pyrene
Concen: 4.490 ng
RT: 15.38 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	15.1	8.7	13.1#





#92
 Benzo(a,h,i)perylene
 Concen: 3.077 ng
 RT: 17.32 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF120436.D
 Acq: 29 May 2020 13:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-052220

Tot Ion:	276	Resp:	81531
Ion Ratio	Lower	Upper	
276	100		
277	26.3	19.5	29.3
138	24.7	18.1	27.1

Manual Integrations
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