

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
 Data File : BF120068.D
 Acq On : 17 Apr 2020 19:21
 Operator : MA/SJ
 Sample : L2245-41
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-15

Manual Integrations
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mohammad
 4/21/2020 8:22:45 AM

Quant Time: Apr 18 04:33:46 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	175667	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	596694	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	240676	20.00	ng	0.01
64) Phenanthrene-d10	11.27	188	373194	20.00	ng	0.01
76) Chrysene-d12	13.90	240	300417	20.00	ng	0.00
87) Perylene-d12	15.33	264	251475	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	926104	91.11	ng	0.01
7) Phenol-d6	6.37	99	1156497	88.30	ng	0.00
23) Nitrobenzene-d5	7.30	82	741776	64.31	ng	0.00
42) 2,4,6-Tribromophenol	10.57	330	159105	53.99	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1229316	72.52	ng	0.00
79) Terphenyl-d14	12.85	244	824407	46.18	ng	0.00
Target Compounds						
31) Naphthalene	8.04	128	80412	2.561	ng	# 70
37) 2-Methylnaphthalene	8.74	142	59133	2.778	ng	# 91
38) 1-Methylnaphthalene	8.84	142	270777	13.498	ng	# 97
49) Acenaphthylene	9.65	152	63529	2.669	ng	# 7
50) Dimethylphthalate	9.50	163	91591	4.920	ng	# 51
52) Acenaphthene	9.82	154	73103	4.605	ng	# 88
58) Fluorene	10.33	166	140061	8.039	ng	# 88
71) Phenanthrene	11.30	178	596513	30.033	ng	97
72) Anthracene	11.35	178	97527m	4.807	ng	
75) Fluoranthene	12.49	202	637337	29.740	ng	98
78) Pyrene	12.71	202	658525	26.002	ng	99
81) Benzo(a)anthracene	13.89	228	362388	18.336	ng	97
83) Chrysene	13.93	228	334907	16.678	ng	96
86) Indeno(1,2,3-cd)pyrene	16.72	276	129919	7.339	ng	99
88) Benzo(b)fluoranthene	14.92	252	354951m	19.621	ng	
89) Benzo(k)fluoranthene	14.94	252	106725m	6.837	ng	
90) Benzo(a)pyrene	15.27	252	244928	16.103	ng	97
91) Dibenzo(a,h)anthracene	16.73	278	40260	2.988	ng	# 87
92) Benzo(a,h,i)perylene	17.14	276	143434	10.785	ng	# 93

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

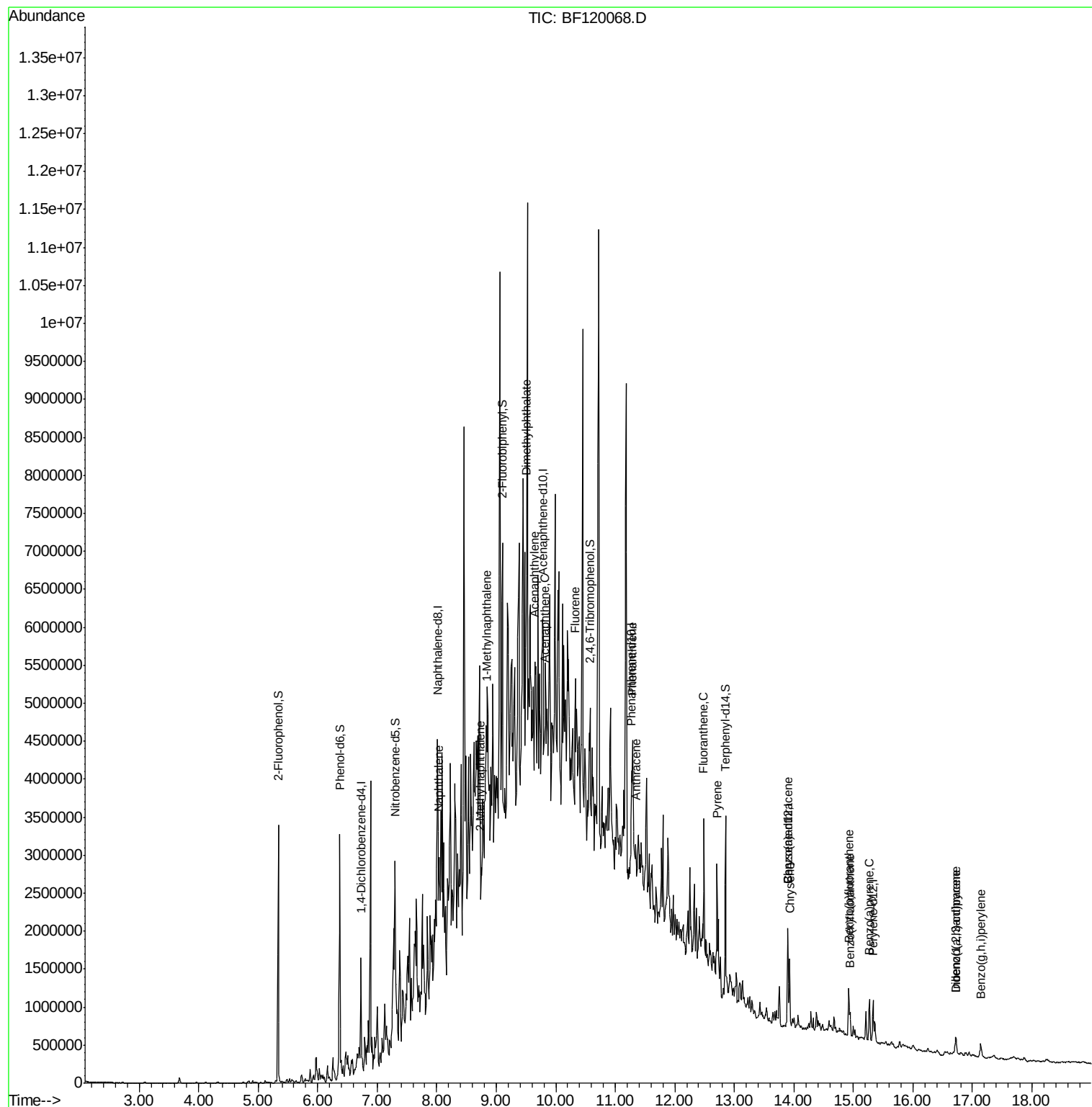
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
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ALS Vial : 23 Sample Multiplier: 1

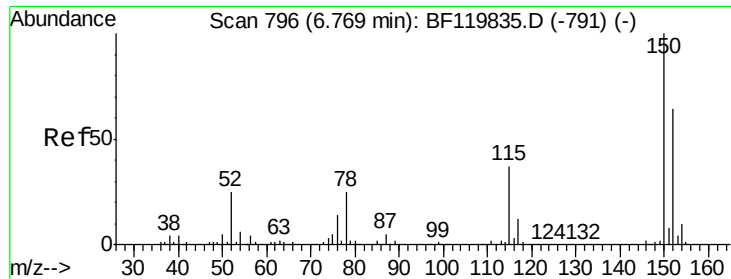
Instrument :
BNA_F
ClientSampleId :
TP-7-15

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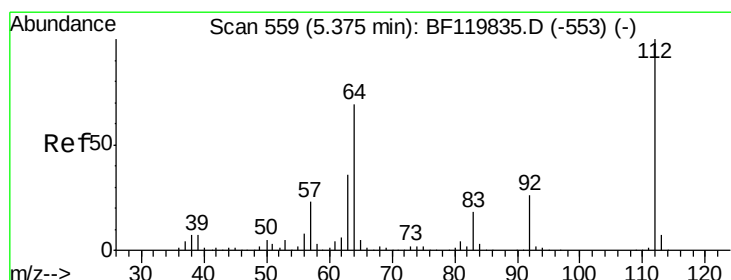
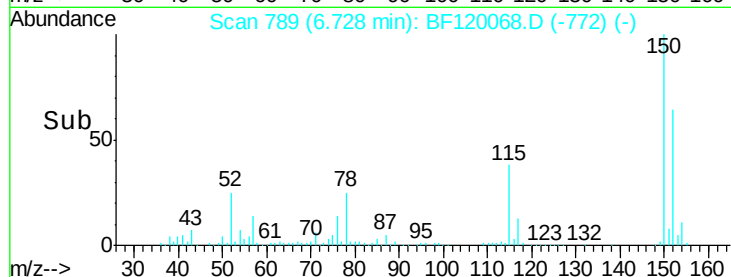
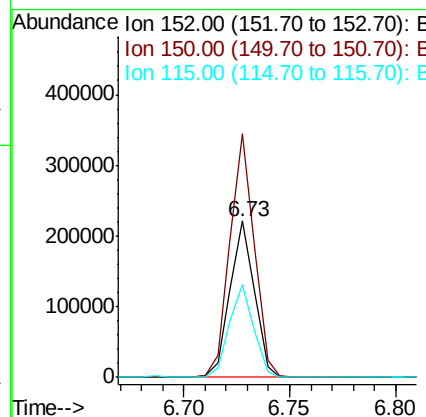
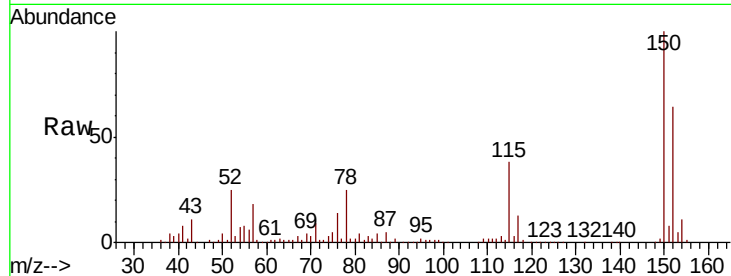
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF120068.D
 Acq: 17 Apr 2020 19:21

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-15

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.8	187.2
115	59.3	46.5	69.7

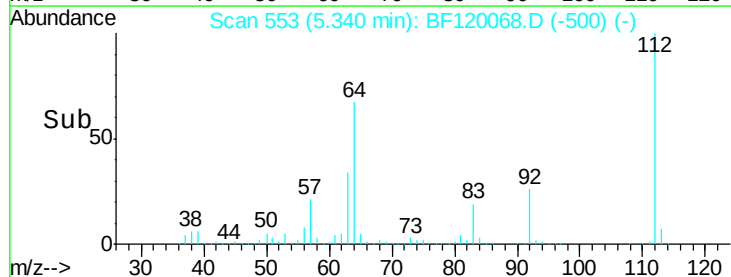
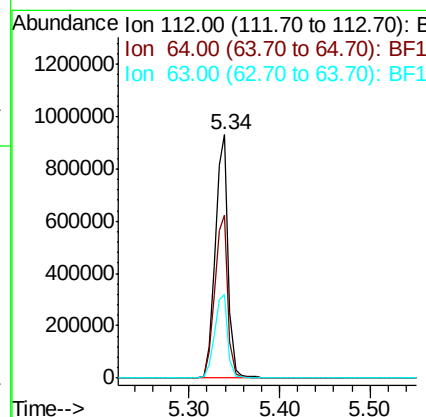
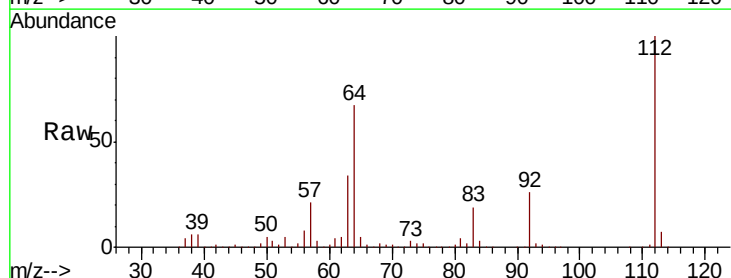
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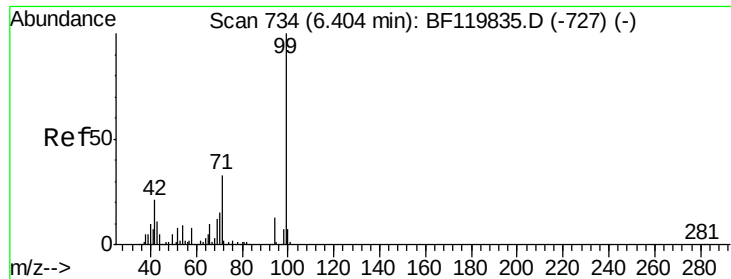
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#5
 2-Fluorophenol
 Concen: 91.109 ng
 RT: 5.34 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: BF120068.D
 Acq: 17 Apr 2020 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	55.5	83.3
63	34.3	29.1	43.7





#7

Phenol-d6

Concen: 88.296 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

ClientSampled :

TP-7-15

Tot Ion: 99 Resp: 1156497

Ion Ratio Lower Upper

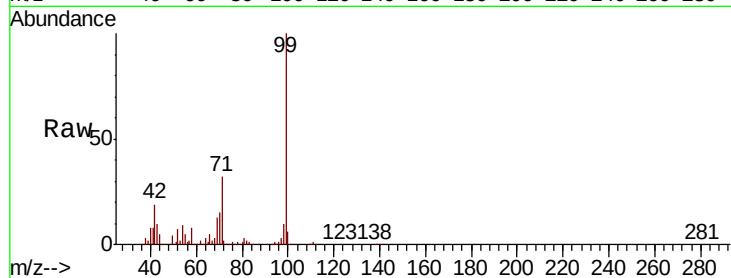
99 100

42 19.4 16.9 25.3

71 32.0 26.3 39.5

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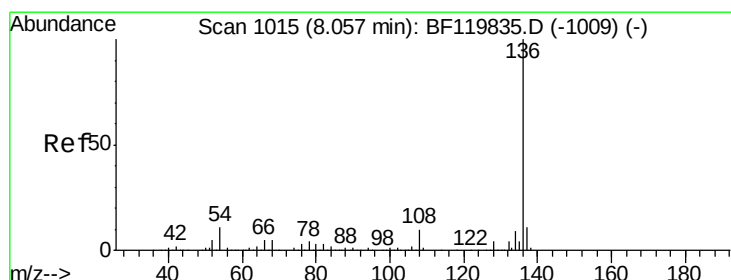
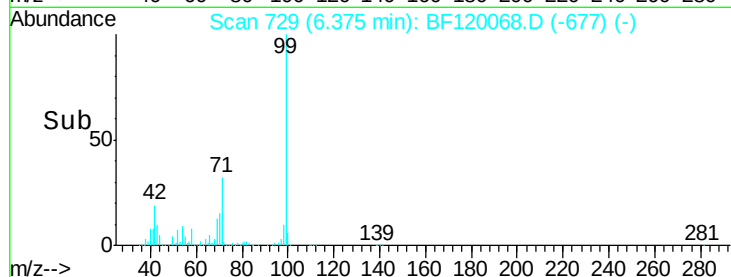
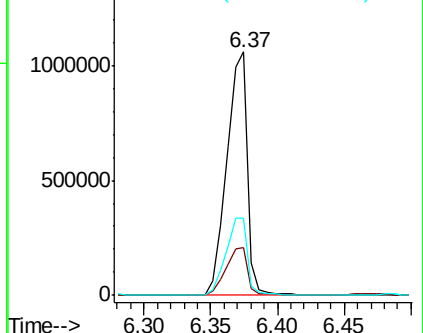
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.02 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Tgt Ion: 136 Resp: 596694

Ion Ratio Lower Upper

136 100

137 12.3 8.7 13.1

54 13.6 8.5 12.7#

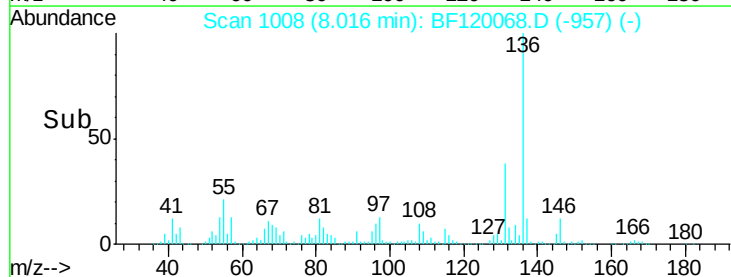
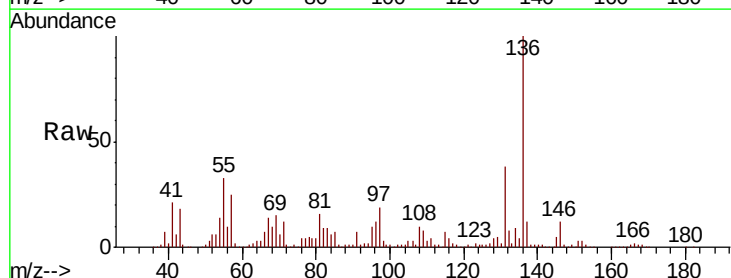
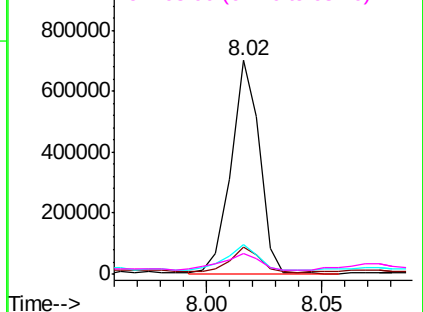
68 9.8 3.9 5.9#

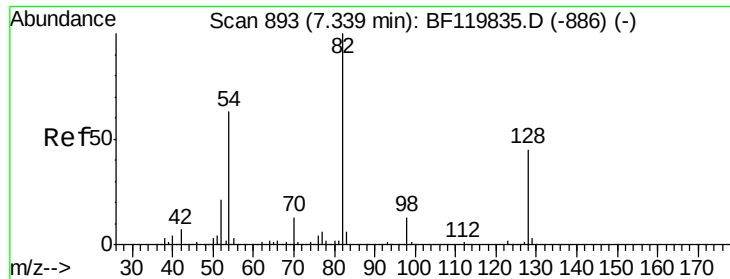
Abundance Ion 136.00 (135.70 to 136.70): E

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





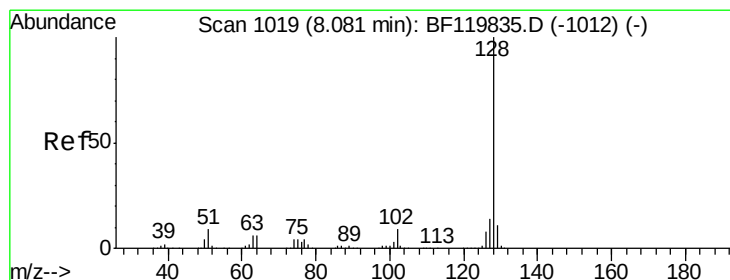
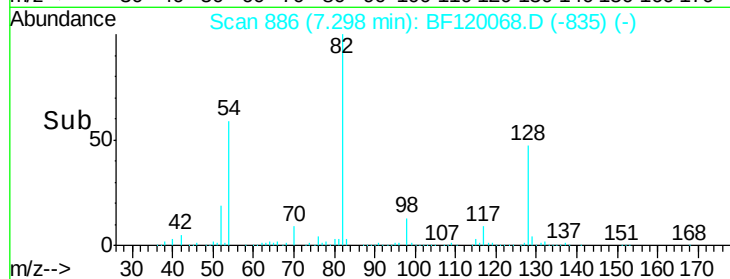
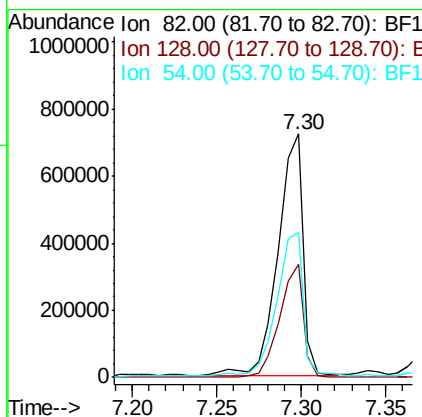
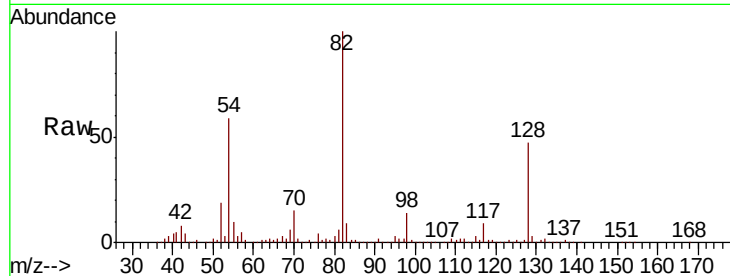
#23
Nitrobenzene-d5
Concen: 64.312 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Instrument :
BNA_F
ClientSampled :
TP-7-15

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.2	54.4
54	59.4	50.4	75.6

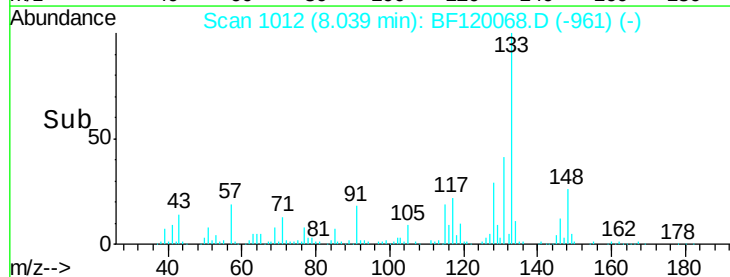
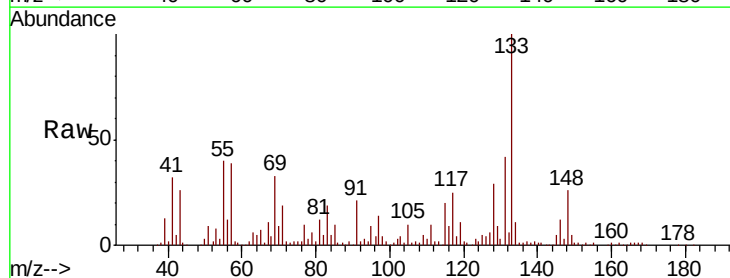
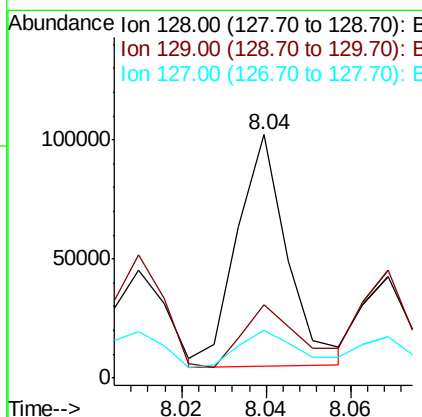
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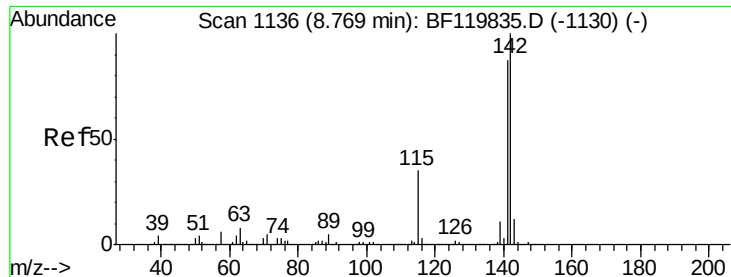
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#31
Naphthalene
Concen: 2.561 ng
RT: 8.04 min Scan# 1012
Delta R.T. 0.00 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	30.4	9.0	13.6#
127	19.4	11.0	16.4#





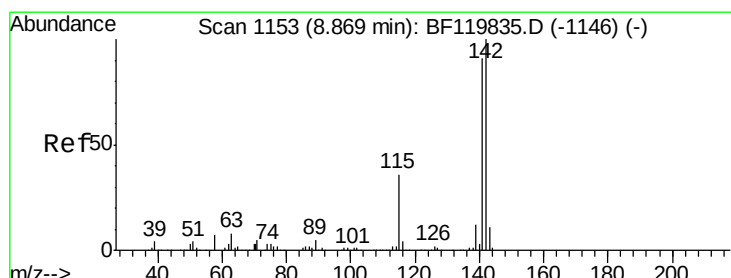
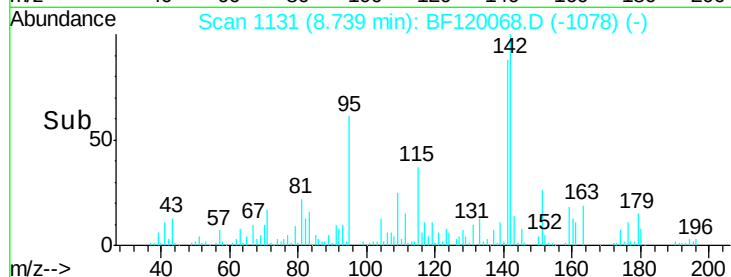
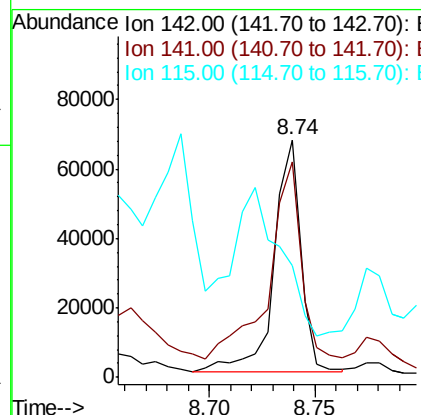
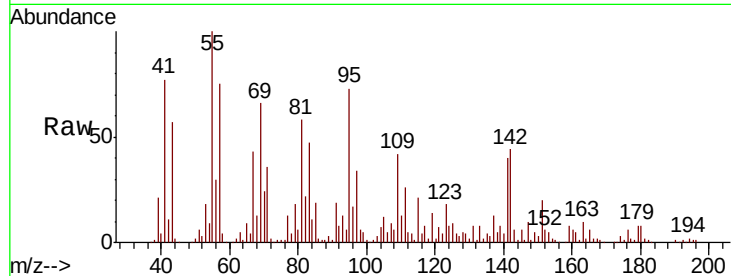
#37
2-Methylnaphthalene
Concen: 2.778 ng
RT: 8.74 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Instrument :
BNA_F
ClientSampled :
TP-7-15

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.0	69.9	104.9
115	47.2	28.0	42.0

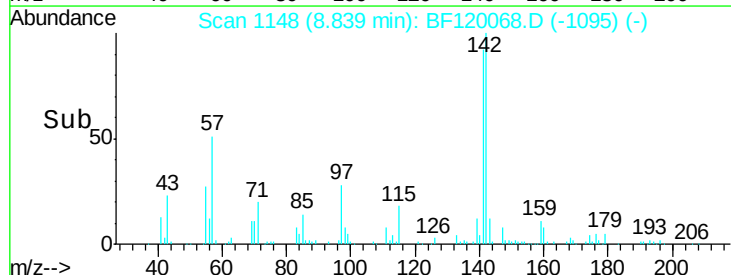
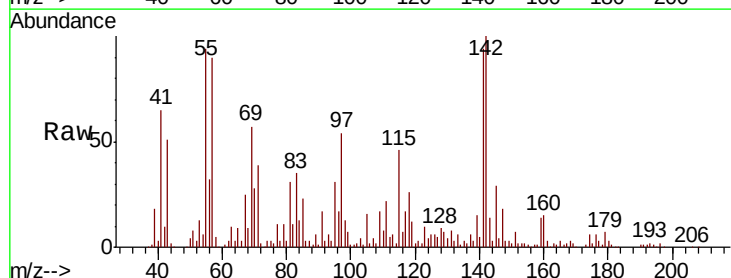
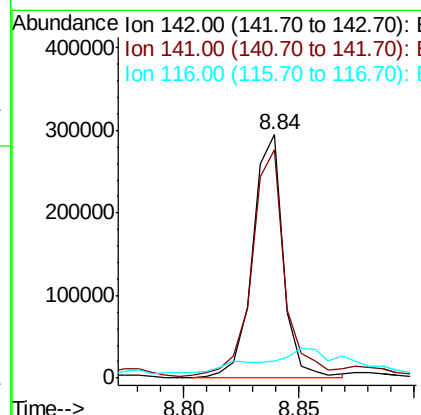
Manual Integrations
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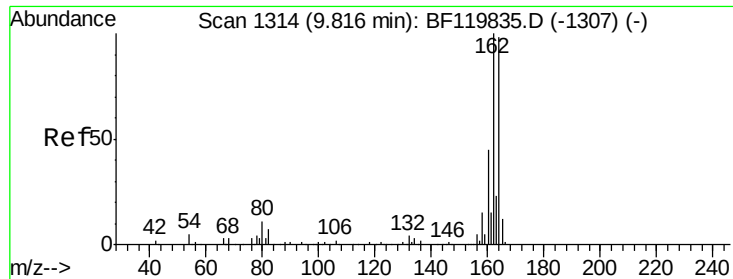
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#38
1-Methylnaphthalene
Concen: 13.498 ng
RT: 8.84 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.0	72.9	109.3
116	6.8	3.0	4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

ClientSampled :

TP-7-15

Tot Ion:164 Resp: 240676

Ion Ratio Lower Upper

164 100

162 102.1 81.9 122.9

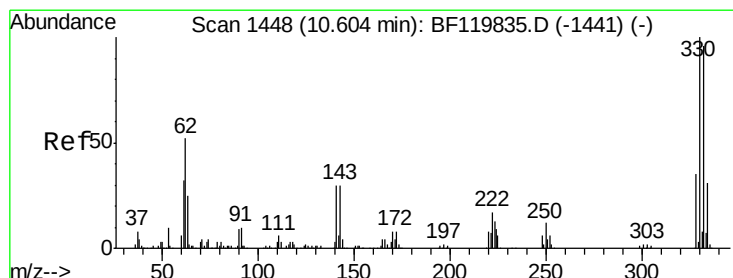
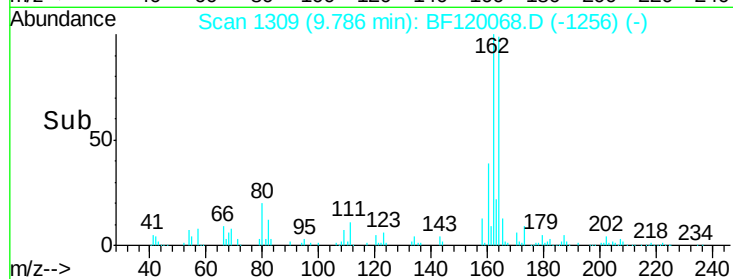
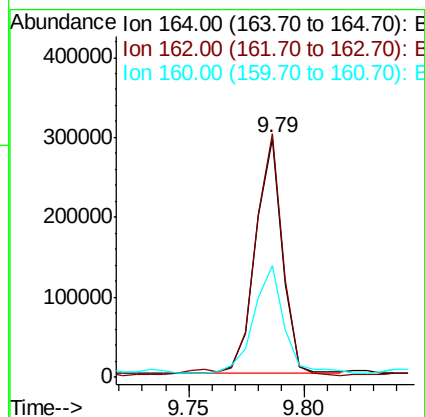
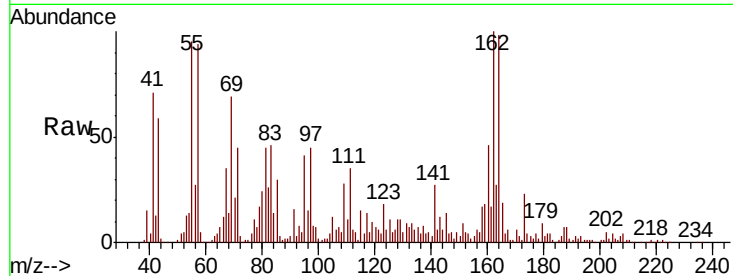
160 46.8 36.6 54.8

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#42

2,4,6-Tribromophenol

Concen: 53.994 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

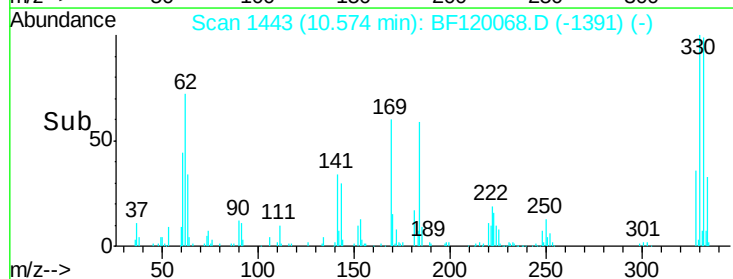
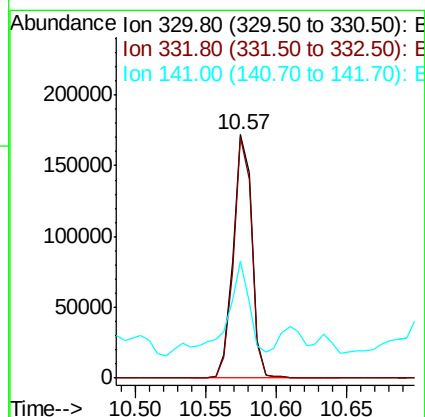
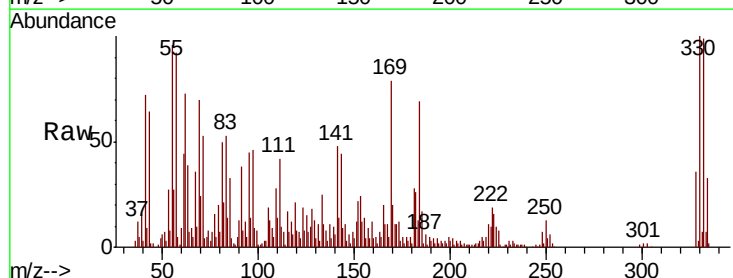
Tgt Ion:330 Resp: 159105

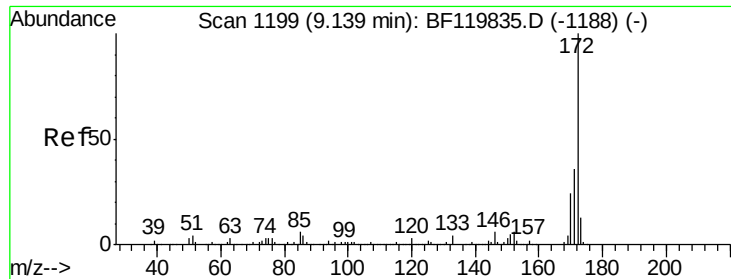
Ion Ratio Lower Upper

330 100

332 96.0 76.8 115.2

141 49.7 25.1 37.7#





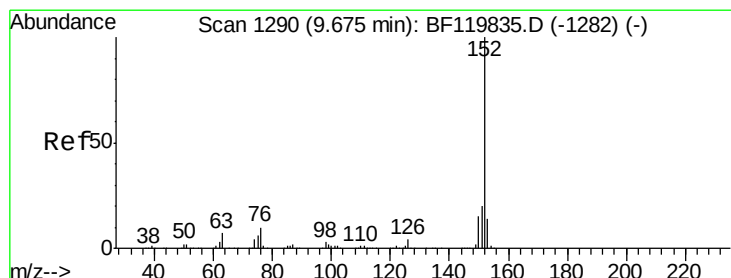
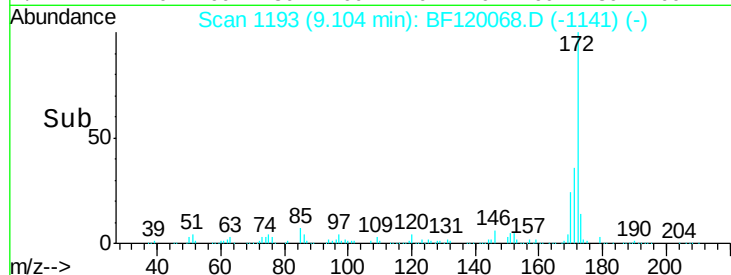
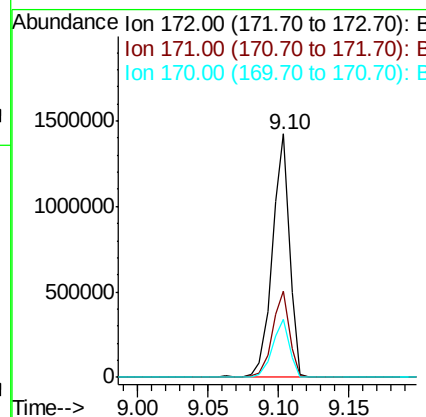
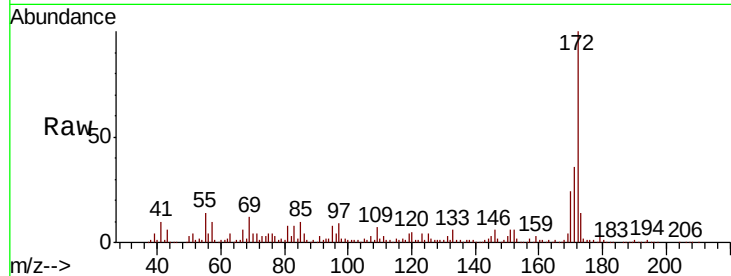
#45
2-Fluorobiphenyl
Concen: 72.519 ng
RT: 9.10 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Instrument :
BNA_F
ClientSampleId :
TP-7-15

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.9	43.3
170	23.6	19.4	29.2

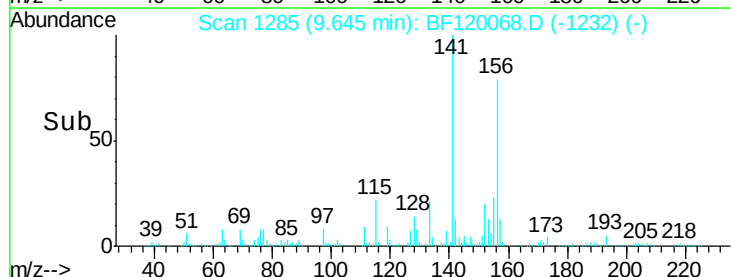
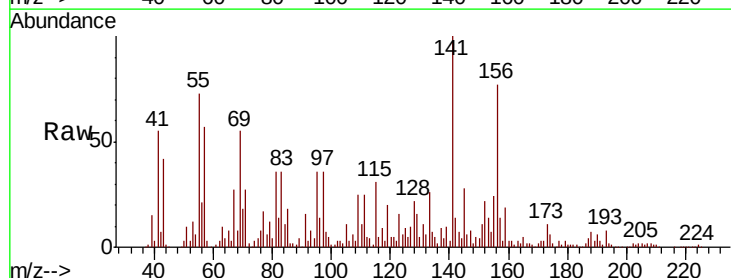
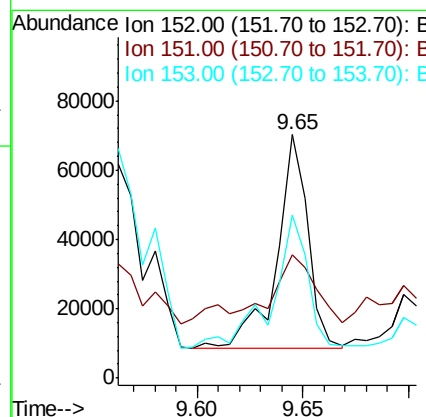
Manual Integrations
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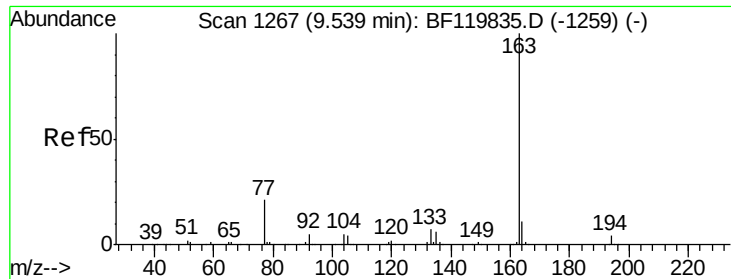
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#49
Acenaphthylene
Concen: 2.669 ng
RT: 9.65 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	50.6	16.2	24.4#
153	67.1	10.9	16.3#





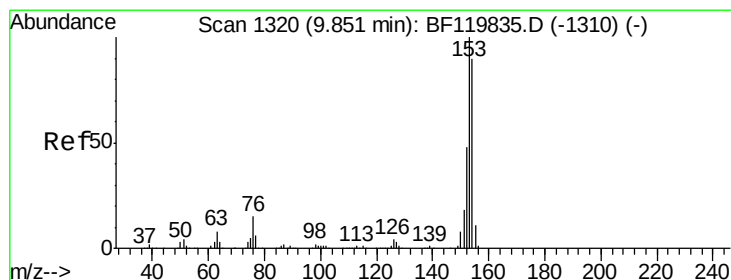
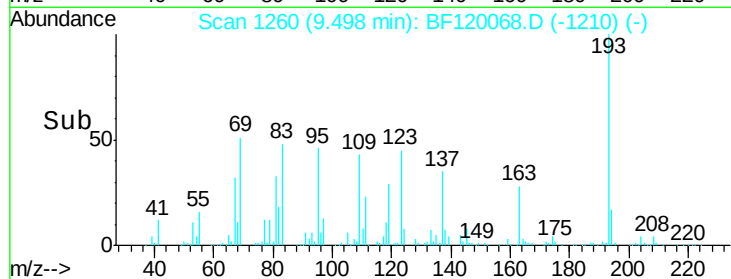
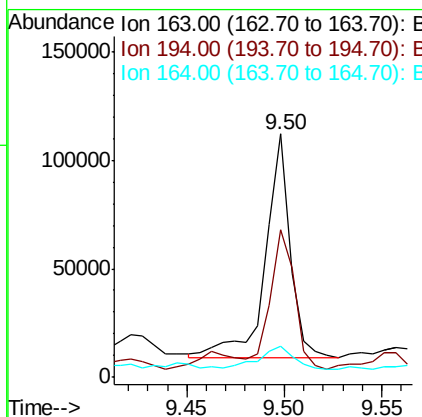
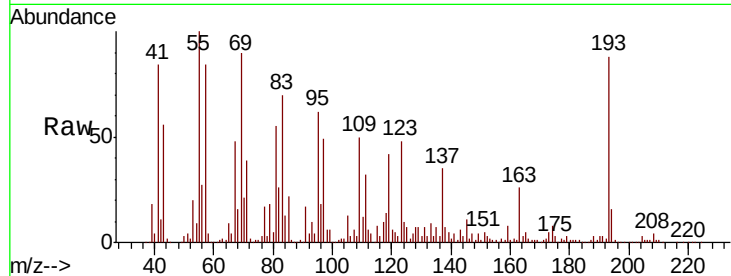
#50
Dimethylphthalate
Concen: 4.920 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Instrument :
BNA_F
ClientSampled :
TP-7-15

Tot Ion	Ratio	Lower	Upper
163	100		
194	60.8	3.0	4.4#
164	12.6	8.4	12.6#

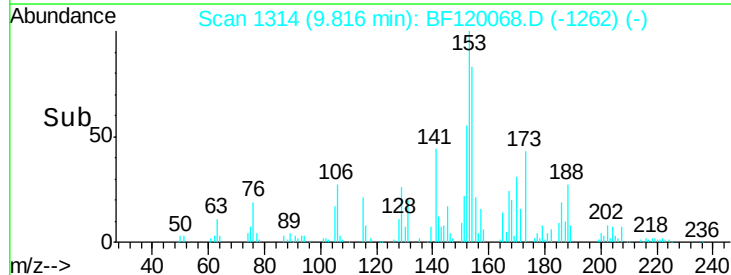
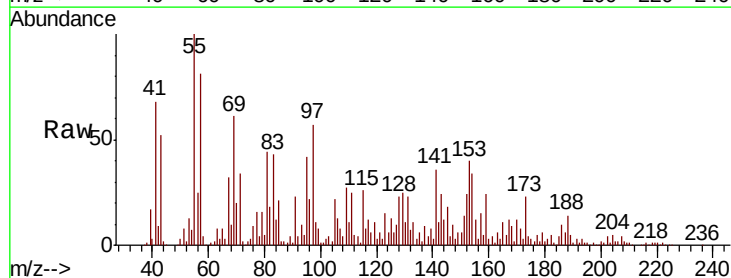
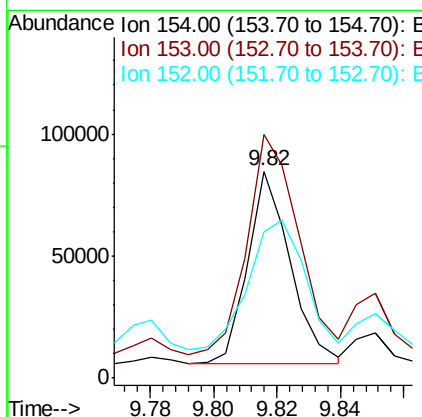
Manual Integrations
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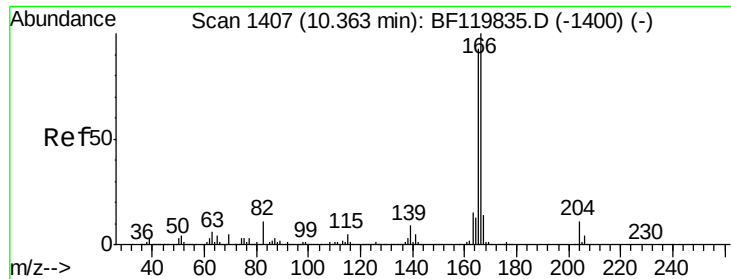
mohammad
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#52
Acenaphthene
Concen: 4.605 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.6	88.8	133.2
152	70.8	42.4	63.6#





#58

Fluorene

Concen: 8.039 ng

RT: 10.33 min Scan# 1402

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

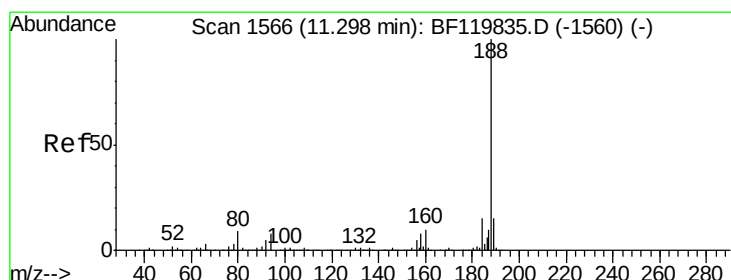
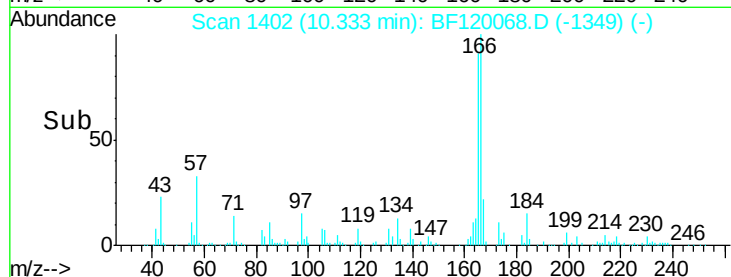
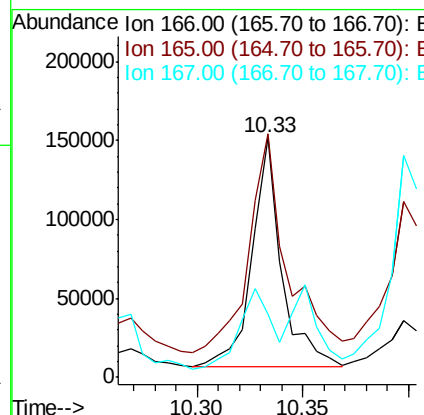
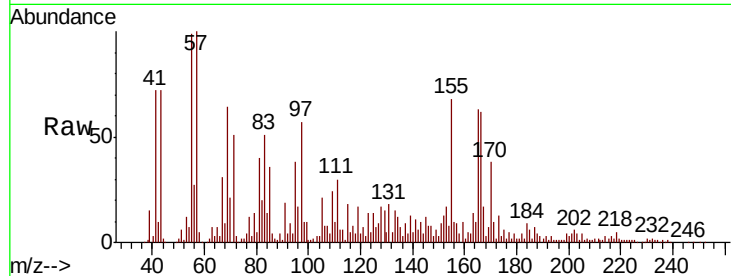
ClientSampled :

TP-7-15

Tot Ion:	166	Resp:	140061
Ion Ratio	Lower	Upper	
166	100		
165	101.8	74.2	111.2
167	26.6	10.8	16.2#

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#64

Phenanthrene-d10

Concen: 20.000 ng

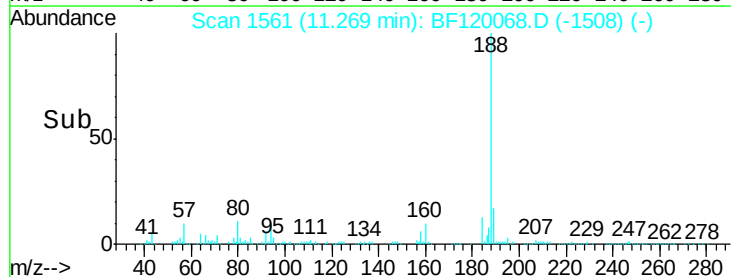
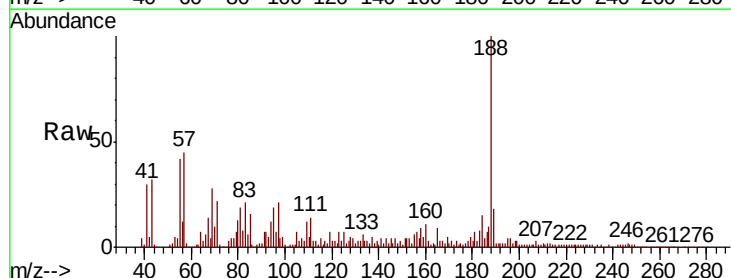
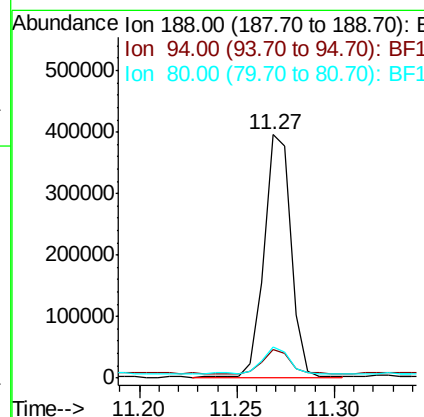
RT: 11.27 min Scan# 1561

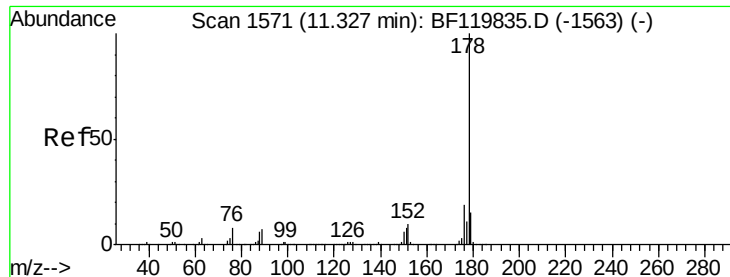
Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Tgt Ion:	188	Resp:	373194
Ion Ratio	Lower	Upper	
188	100		
94	11.6	6.7	10.1#
80	13.0	7.4	11.2#





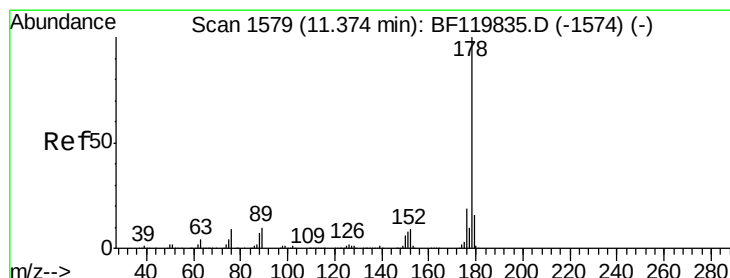
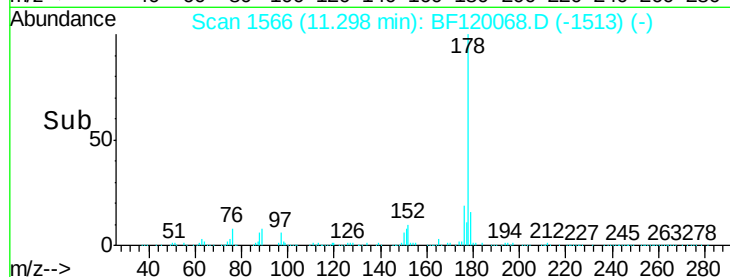
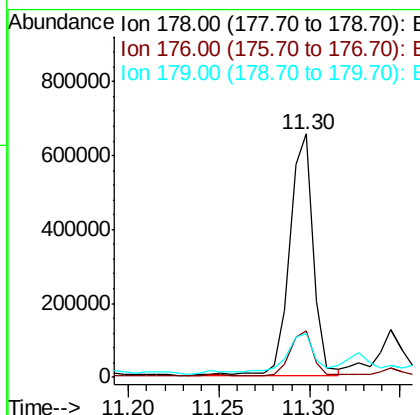
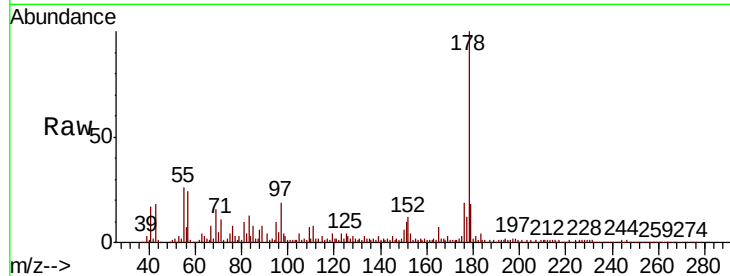
#71
Phenanthrene
Concen: 30.033 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Instrument :
BNA_F
ClientSampleId :
TP-7-15

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	18.0	12.2	18.4

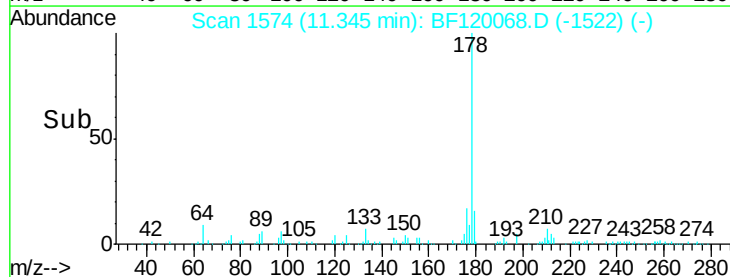
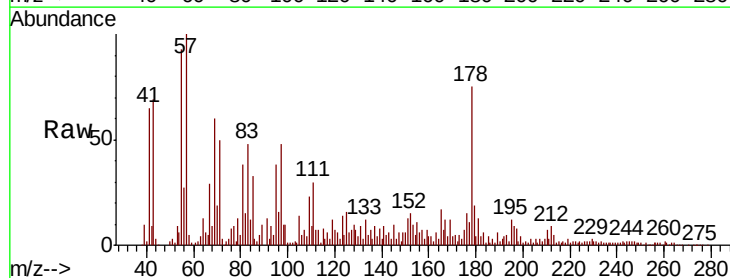
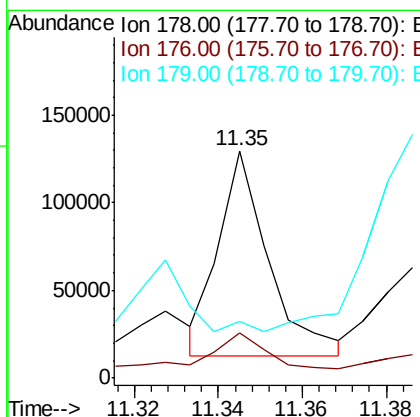
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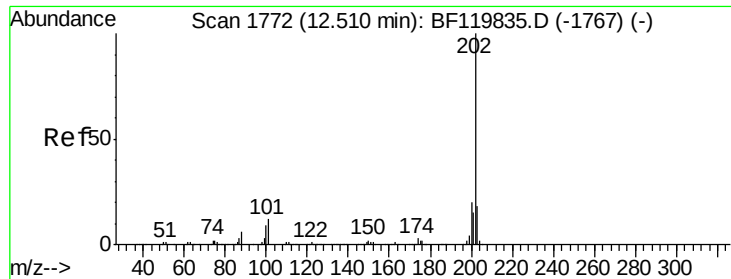
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#72
Anthracene
Concen: 4.807 ng m
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	25.1	12.8	19.2#





#75

Fluoranthene

Concen: 29.740 ng

RT: 12.49 min Scan# 1768

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

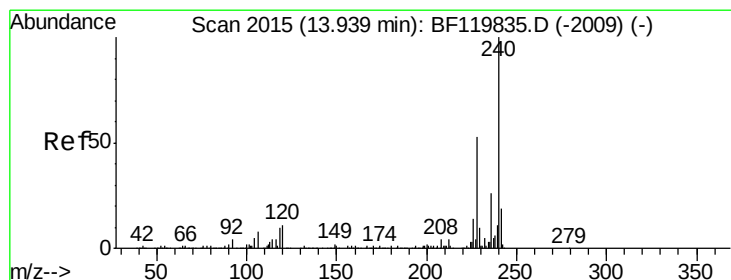
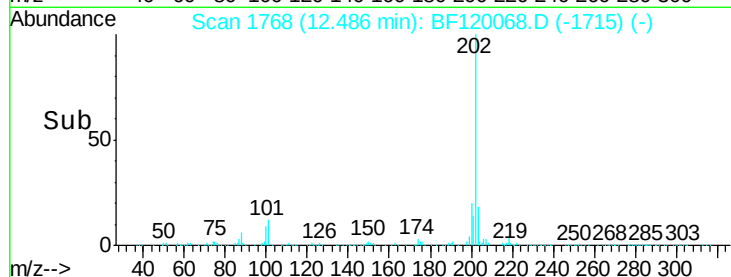
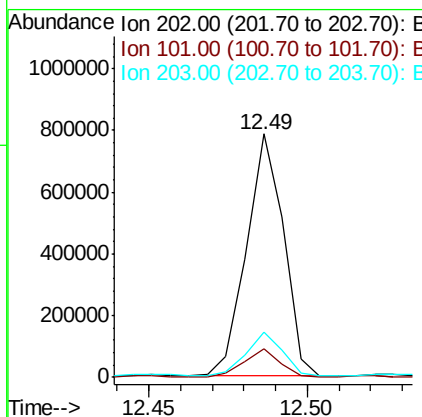
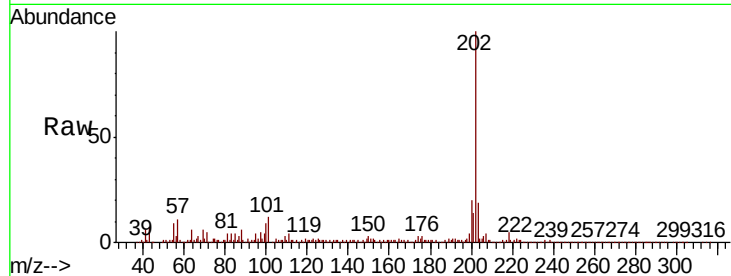
ClientSampled :

TP-7-15

Tot Ion:	202	Resp:	637337
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	32.3
203	18.6	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

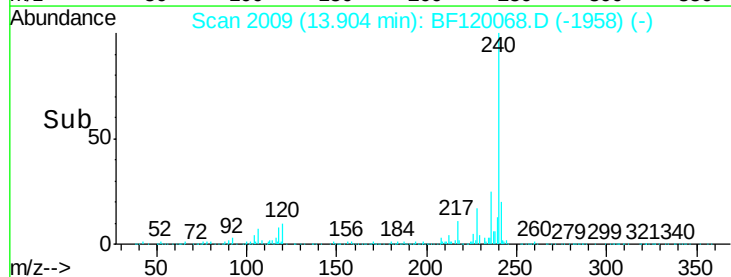
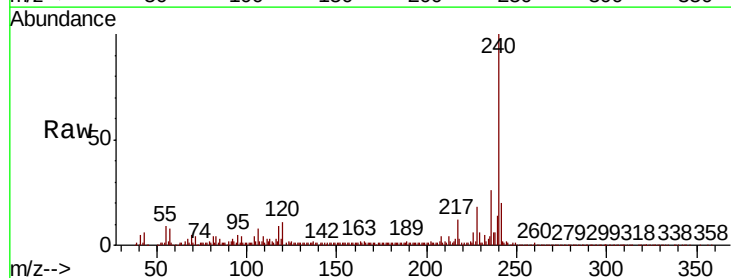
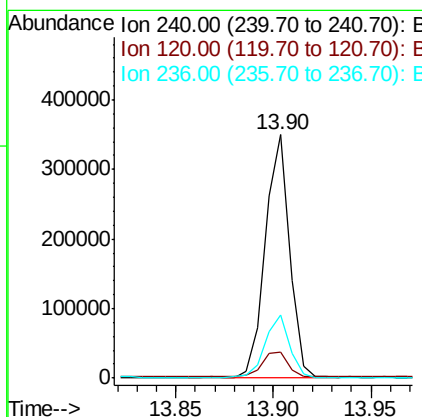
RT: 13.90 min Scan# 2009

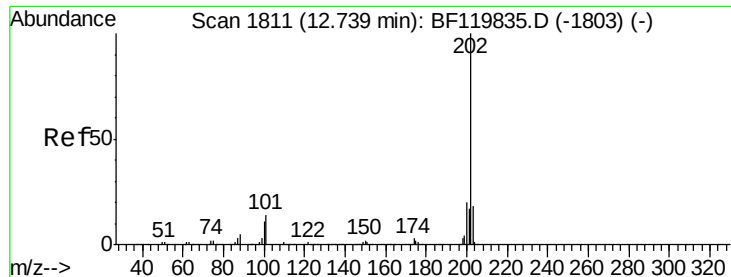
Delta R.T. -0.00 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Tgt Ion:	240	Resp:	300417
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.0	13.6
236	25.8	20.7	31.1





#78

Pvrene

Concen: 26.002 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

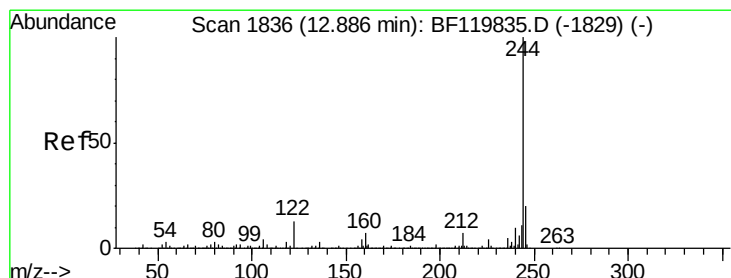
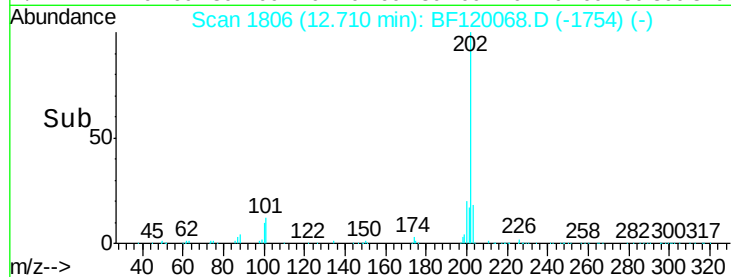
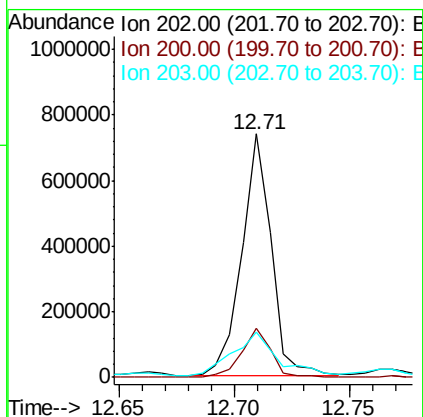
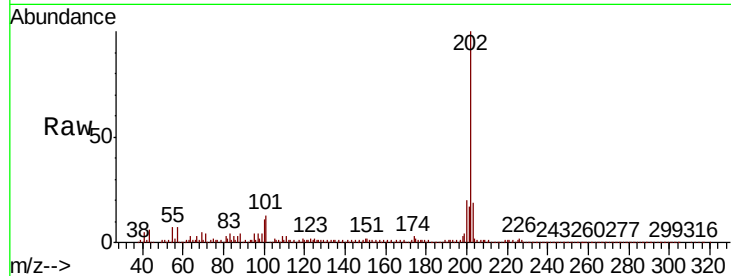
ClientSampled :

TP-7-15

Tot Ion:	202	Resp:	658525
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.2	24.2
203	18.6	14.1	21.1

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#79

Terphenyl-d14

Concen: 46.176 ng

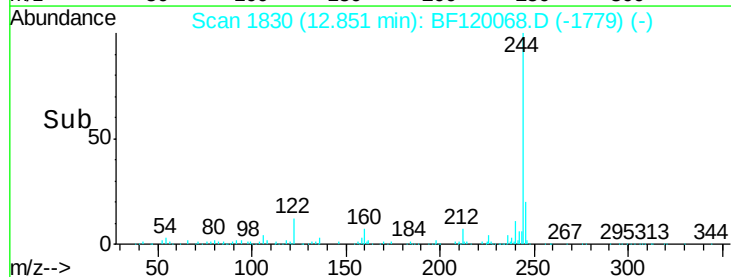
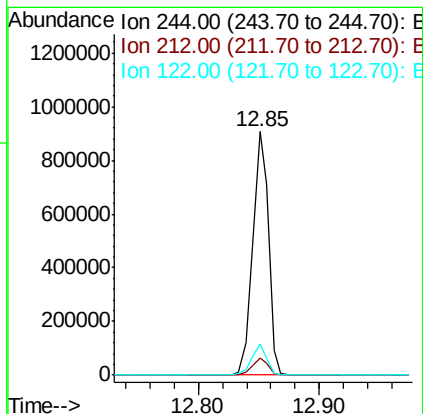
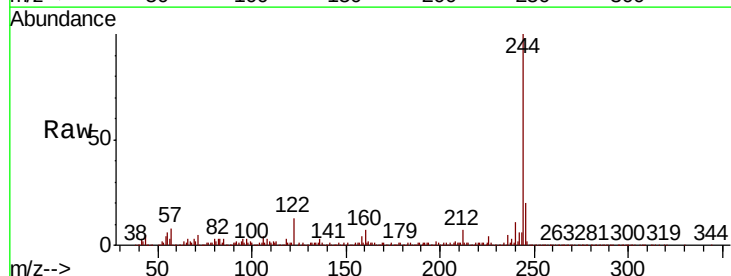
RT: 12.85 min Scan# 1830

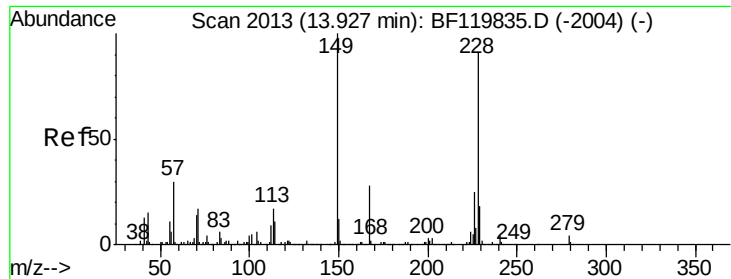
Delta R.T. 0.00 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Tgt Ion:	244	Resp:	824407
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	12.7	10.3	15.5





#81

Benzo(a)anthracene

Concen: 18.336 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

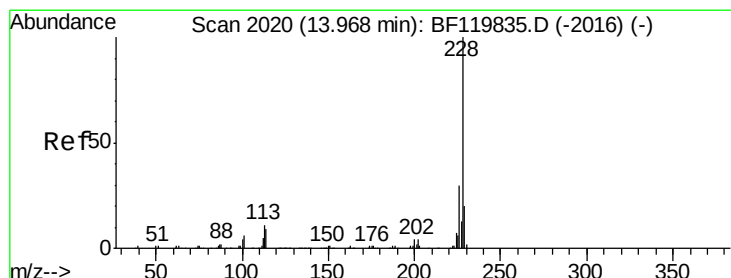
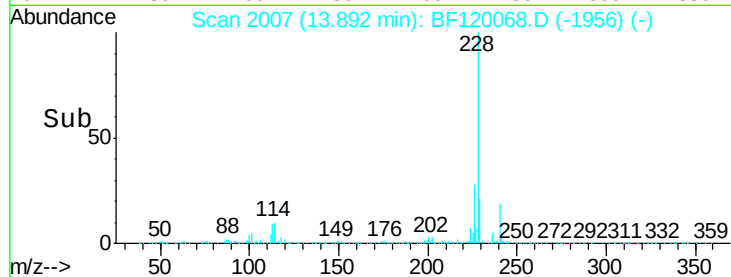
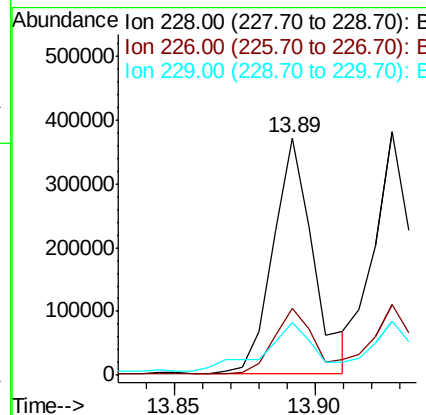
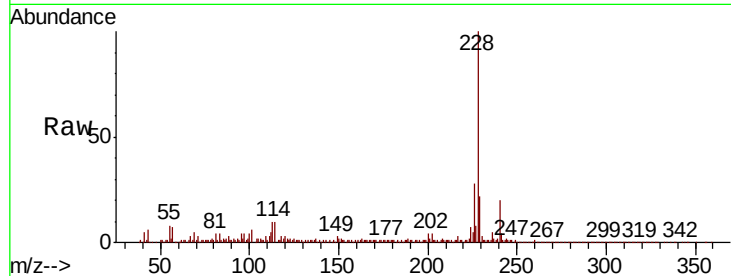
ClientSampled :

TP-7-15

Tot Ion:	228	Resp:	362388
Ion Ratio	Lower	Upper	
228	100		
226	28.4	21.9	32.9
229	22.3	15.9	23.9

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#83

Chrysene

Concen: 16.678 ng

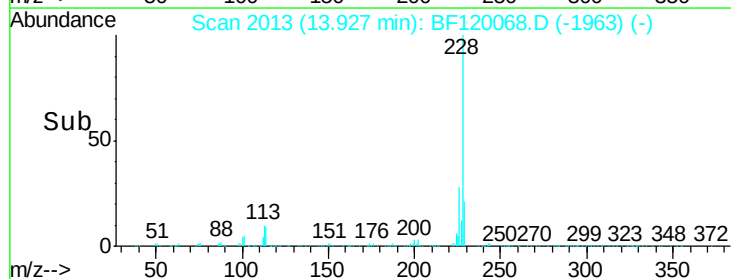
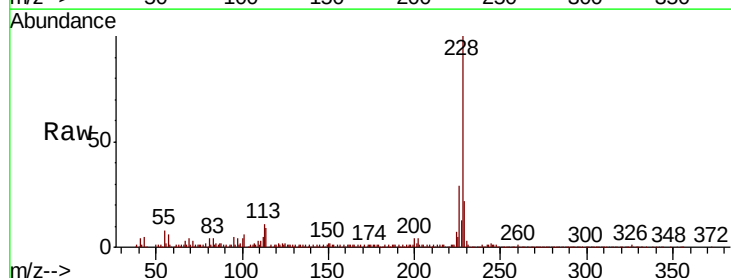
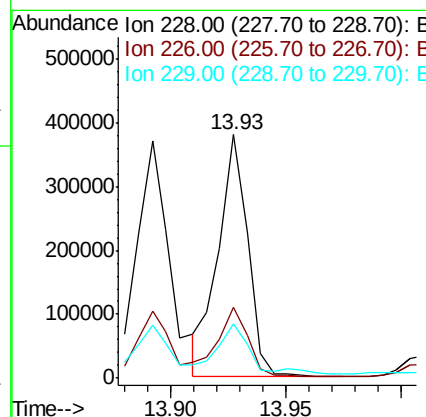
RT: 13.93 min Scan# 2013

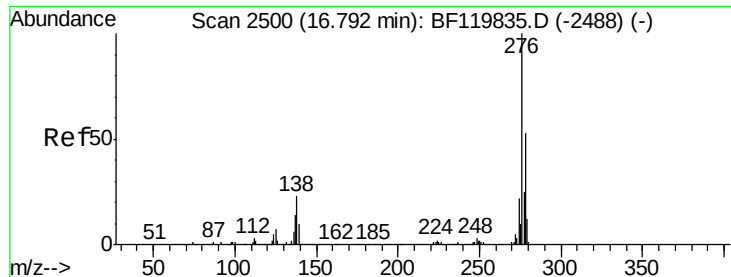
Delta R.T. -0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Tgt Ion:	228	Resp:	334907
Ion Ratio	Lower	Upper	
228	100		
226	29.0	24.2	36.2
229	22.5	15.9	23.9





#86

Indeno(1,2,3-cd)pyrene

Concen: 7.339 ng

RT: 16.72 min Scan# 2488

Delta R.T. -0.00 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

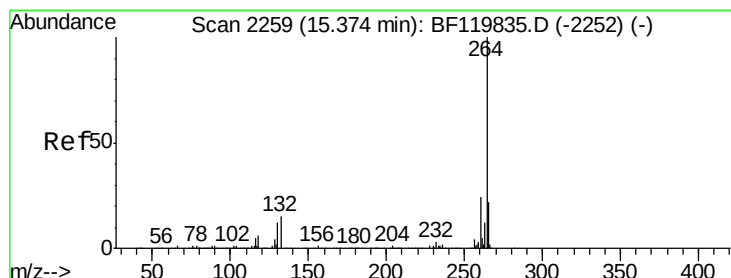
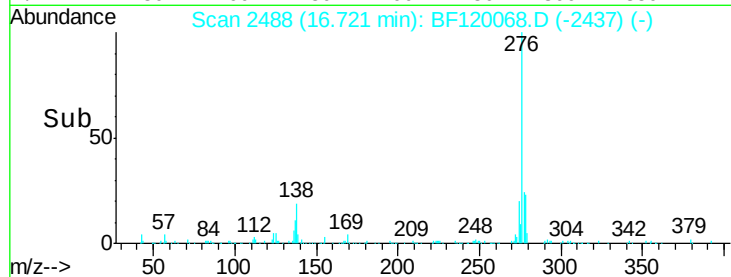
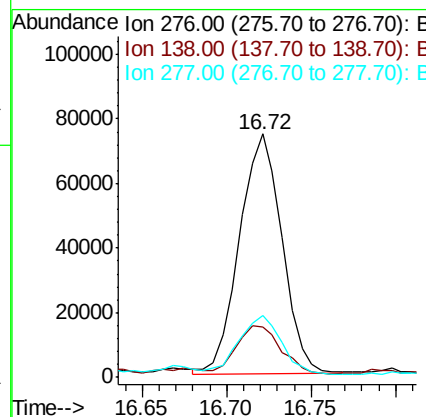
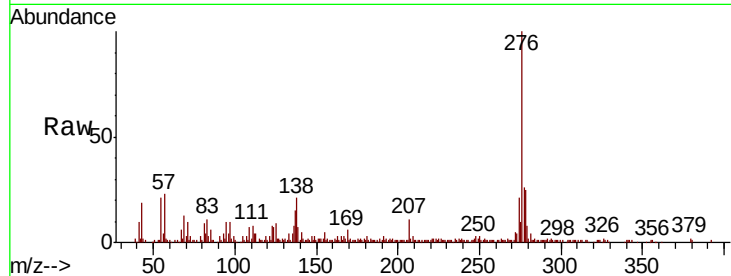
ClientSampled :

TP-7-15

Tot Ion:	276	Resp:	129919
Ion Ratio		Lower	Upper
276	100		
138	21.5	18.0	27.0
277	25.1	20.1	30.1

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#87

Perylene-d12

Concen: 20.000 ng

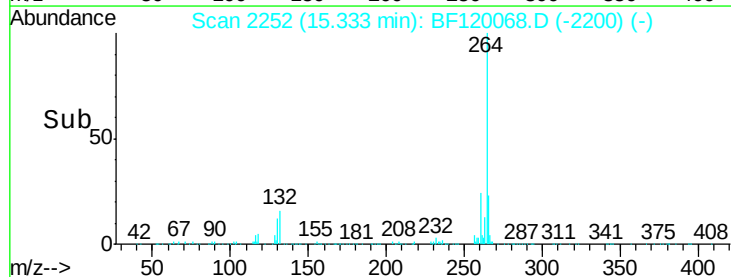
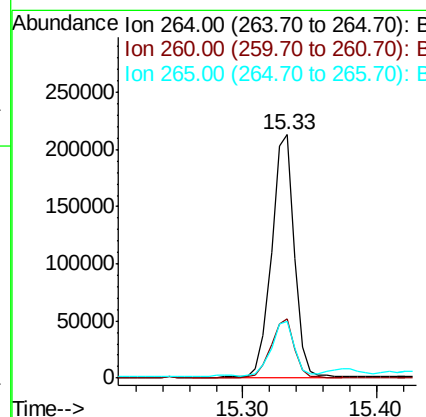
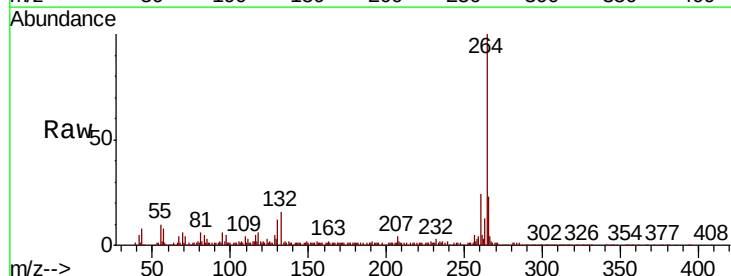
RT: 15.33 min Scan# 2252

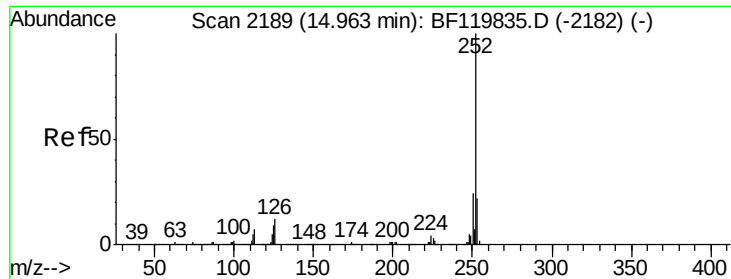
Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Tgt Ion:	264	Resp:	251475
Ion Ratio		Lower	Upper
264	100		
260	24.3	19.3	28.9
265	23.5	17.6	26.4





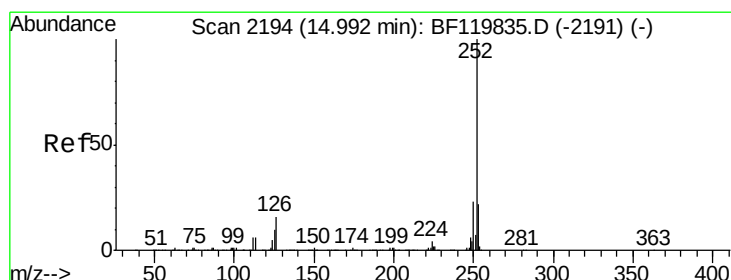
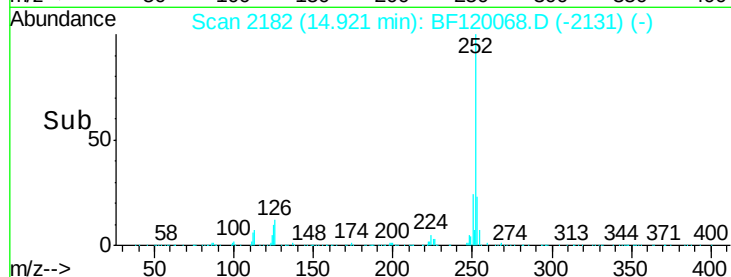
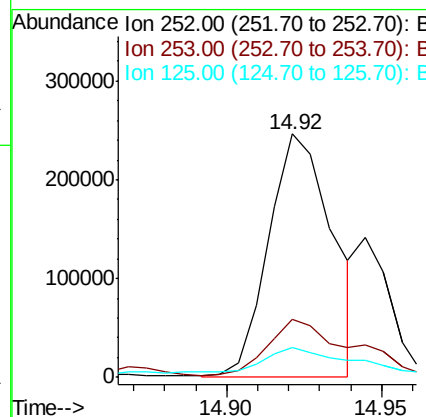
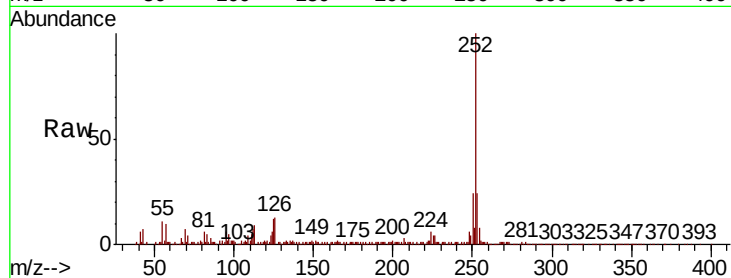
#88
Benzo(b)fluoranthene
Concen: 19.621 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.00 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Instrument :
BNA_F
ClientSampleId :
TP-7-15

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	12.2	7.4	11.2#

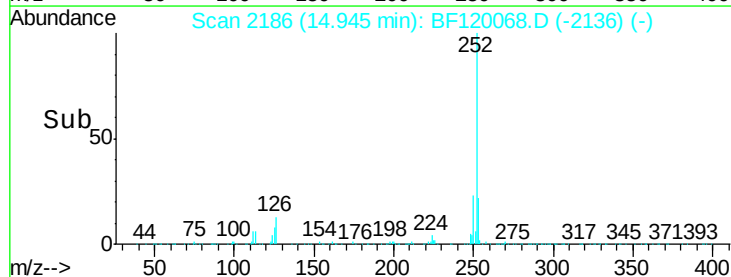
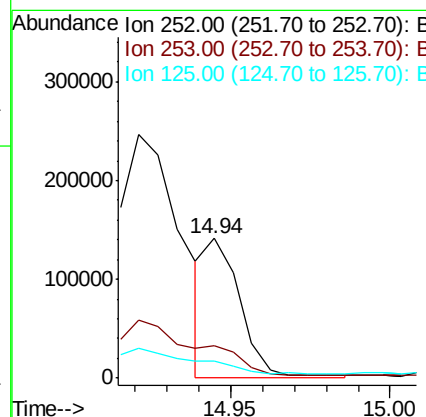
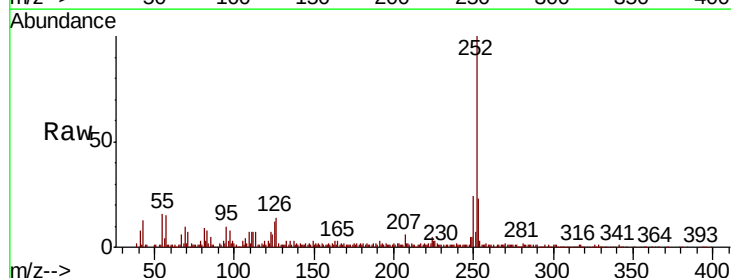
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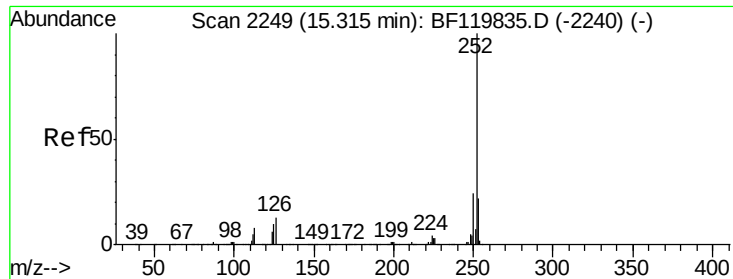
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#89
Benzo(k)fluoranthene
Concen: 6.837 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	12.0	7.7	11.5#





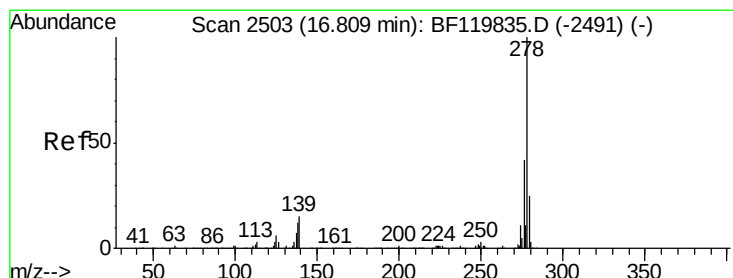
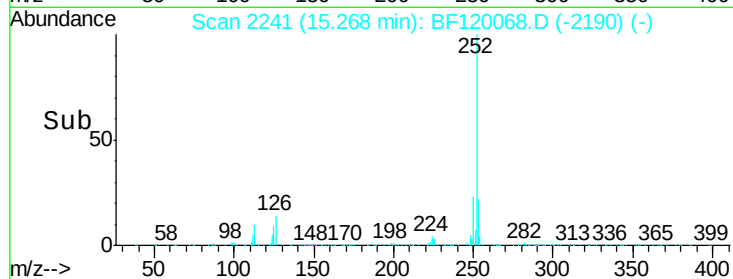
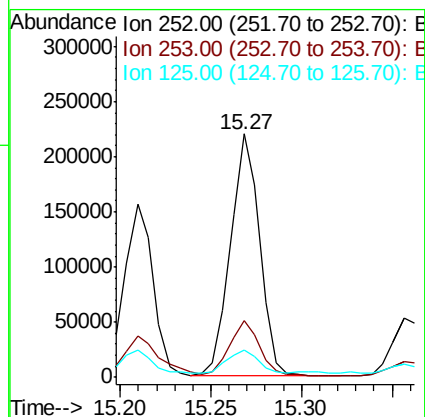
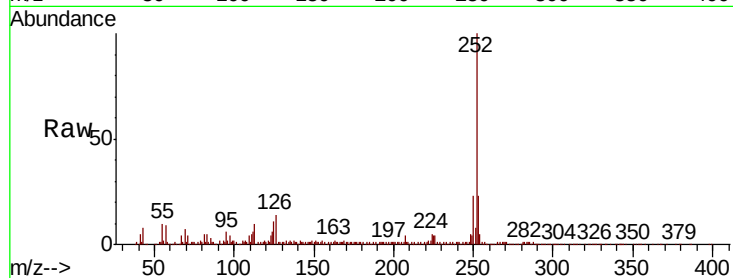
#90
Benzo(a)pyrene
Concen: 16.103 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Instrument :
BNA_F
ClientSampled :
TP-7-15

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	11.4	8.3	12.5

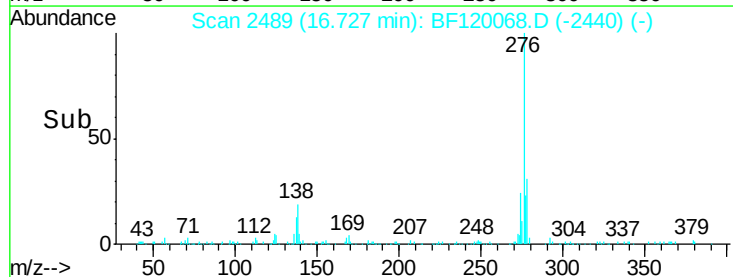
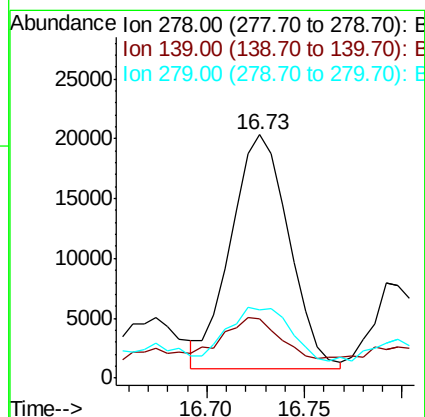
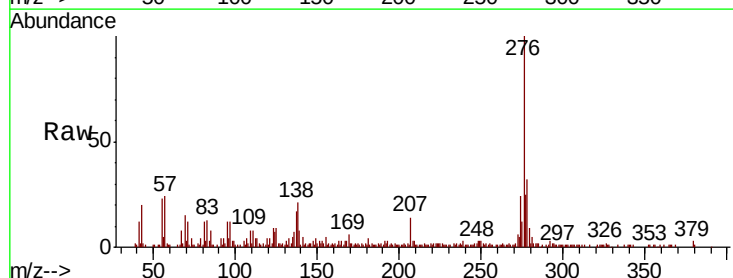
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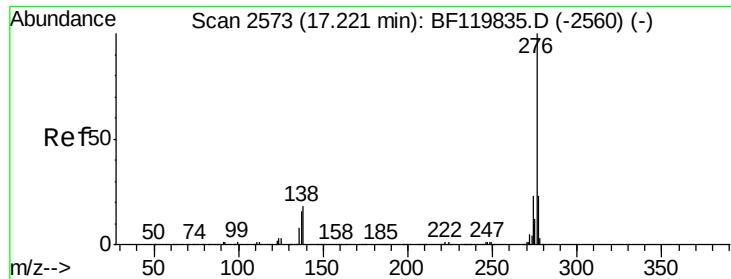
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#91
Dibenzo(a,h)anthracene
Concen: 2.988 ng
RT: 16.73 min Scan# 2489
Delta R.T. -0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.2	11.6	17.4#
279	28.1	19.7	29.5





#92
 Benzo(a,h,i)perylene
 Concen: 10.785 ng
 RT: 17.14 min Scan# 2559
 Delta R.T. -0.01 min
 Lab File: BF120068.D
 Acq: 17 Apr 2020 19:21

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-15

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.5	27.7
138	22.0	14.6	22.0

Manual Integrations
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