

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120550.D
 Acq On : 4 Jun 2020 23:01
 Operator : JU/CG
 Sample : L2814-07 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-060320

Manual Integrations
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 6/5/2020 11:58:19 AM

Quant Time: Jun 05 01:43:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 16:38:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	172093	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	510166	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	296090	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	505228	20.00	ng	0.00
76) Chrysene-d12	14.00	240	299099	20.00	ng	0.00
86) Perylene-d12	15.46	264	251591	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	180389	19.98	ng	0.00
7) Phenol-d6	6.46	99	244863	22.00	ng	-0.01
23) Nitrobenzene-d5	7.38	82	99227	12.72	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	51154	18.65	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	219432	12.57	ng	0.00
79) Terphenyl-d14	12.94	244	266696	19.84	ng	0.00

Target Compounds				Qvalue		
50) Dimethylphthalate	9.58	163	40349	2.180	ng	# 99
52) Acenaphthene	9.90	154	35642	2.307	ng	96
55) Dibenzofuran	10.07	168	58130	2.590	ng	95
58) Fluorene	10.42	166	85589	5.081	ng	99
71) Phenanthrene	11.38	178	786633	35.335	ng	99
72) Anthracene	11.43	178	244063	10.927	ng	97
73) Carbazole	11.59	167	53188	2.462	ng	99
75) Fluoranthene	12.57	202	1182284	49.356	ng	99
78) Pyrene	12.80	202	1146759	55.131	ng	99
81) Benzo(a)anthracene	13.99	228	438156	27.333	ng	98
83) Chrysene	14.03	228	380007	22.612	ng	96
87) Indeno(1,2,3-cd)pyrene	16.91	276	163037	11.848	ng	95
88) Benzo(b)fluoranthene	15.04	252	389841m	27.897	ng	
89) Benzo(k)fluoranthene	15.06	252	143222m	10.979	ng	
90) Benzo(a)pyrene	15.40	252	281740	23.050	ng	98
91) Dibenzo(a,h)anthracene	16.92	278	40959	3.651	ng	# 83
92) Benzo(g,h,i)perylene	17.35	276	151450	13.687	ng	98

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

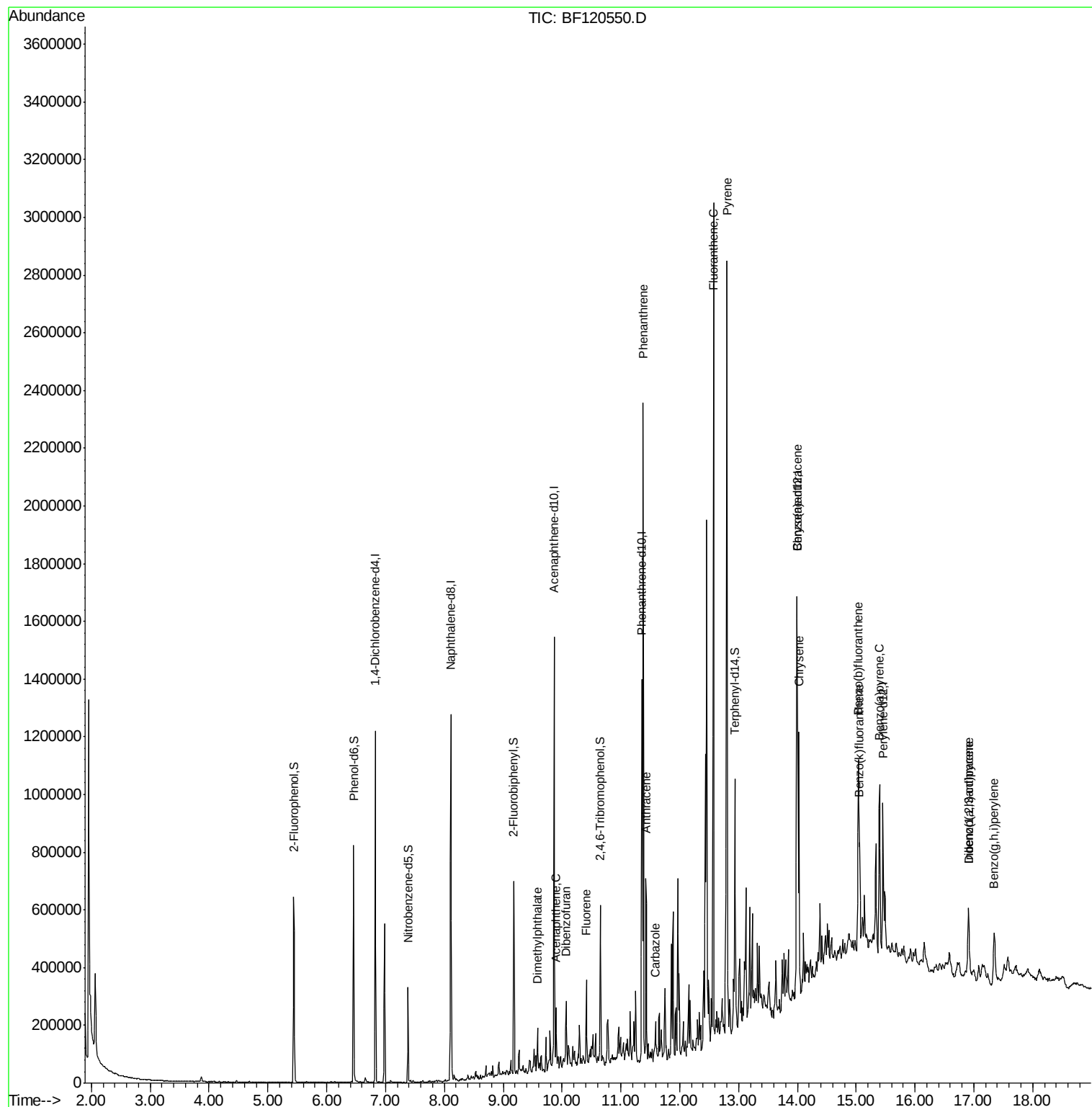
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
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ALS Vial : 23 Sample Multiplier: 1

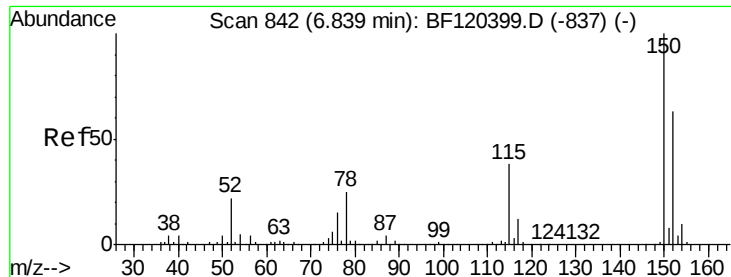
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

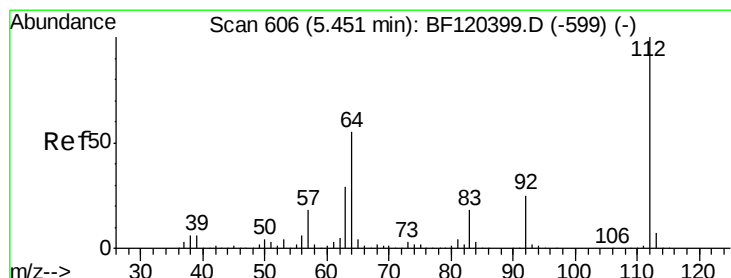
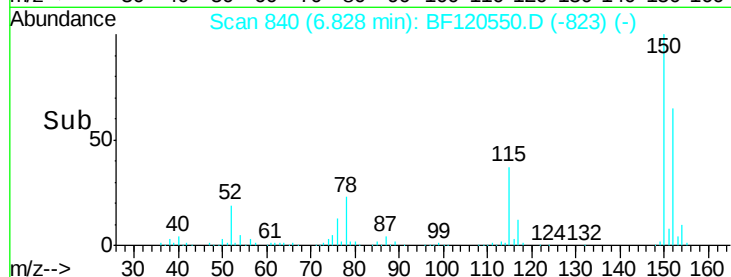
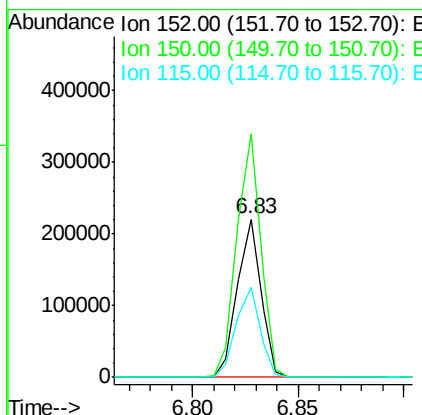
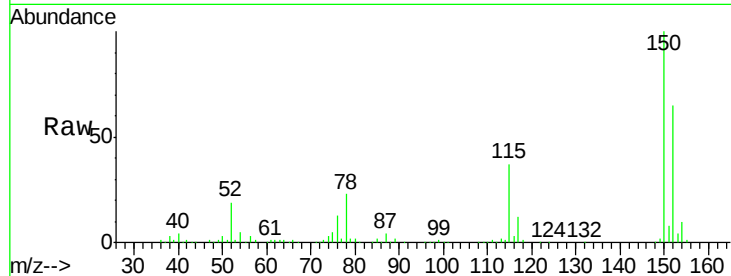
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. -0.00 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Instrument :
BNA_F
ClientSampleId :
PL-01-060320

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	126.3	189.5
115	56.5	48.1	72.1

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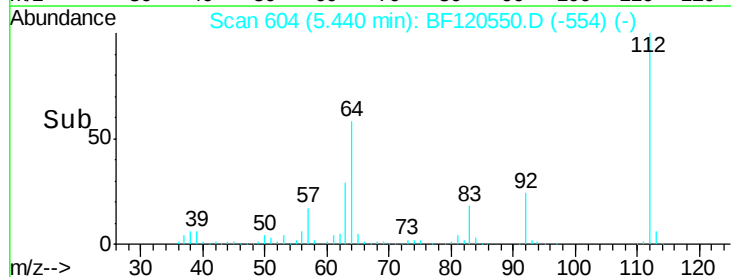
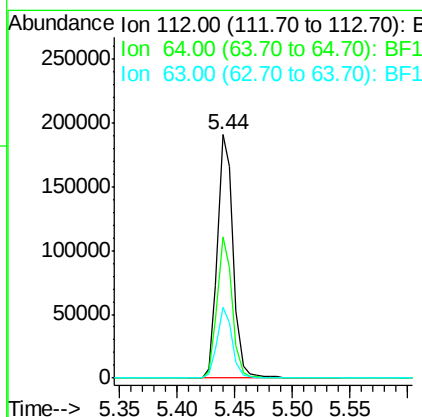
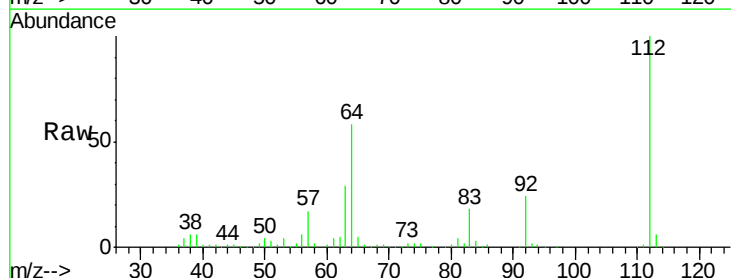
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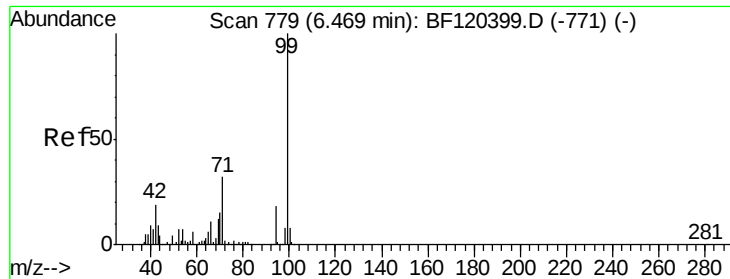


#5

2-Fluorophenol
Concen: 19.976 ng
RT: 5.44 min Scan# 604
Delta R.T. -0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.2	70.8
63	28.9	24.7	37.1





#7

Phenol-d6

Concen: 22.000 ng

RT: 6.46 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Instrument :

BNA_F

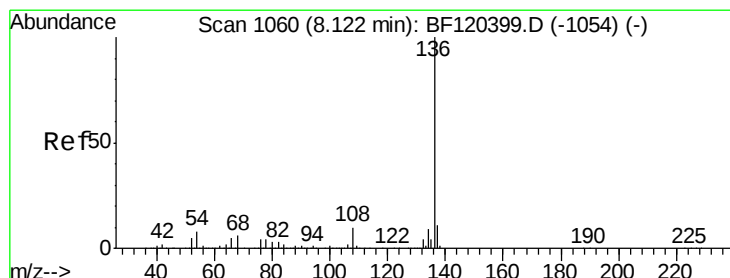
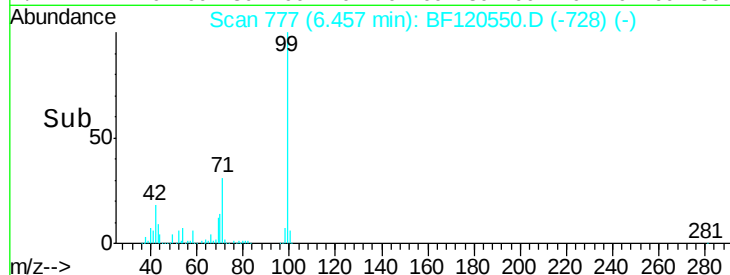
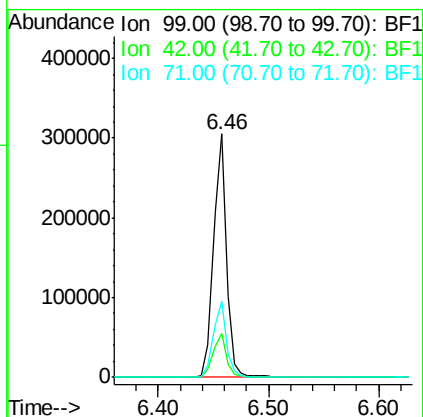
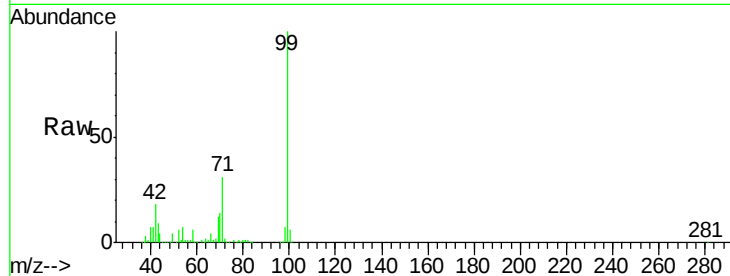
ClientSampleId :

PL-01-060320

Tot Ion:	99	Resp:	244863
Ion Ratio	Lower	Upper	
99	100		
42	18.2	15.0	22.6
71	31.2	27.0	40.4

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#21

Naphthalene-d8

Concen: 20.000 ng

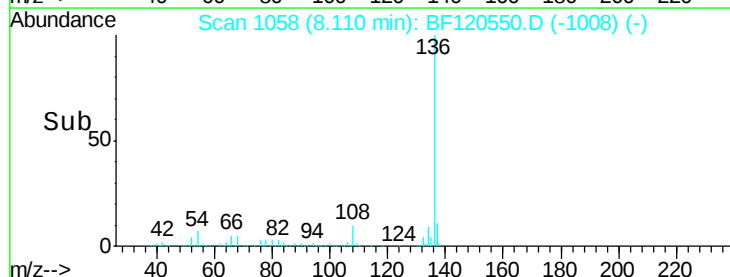
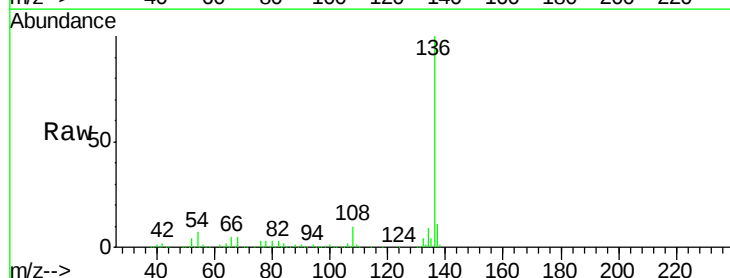
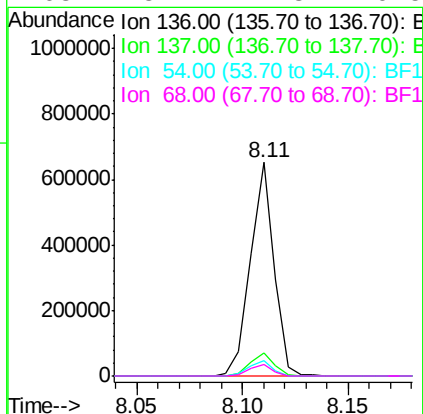
RT: 8.11 min Scan# 1058

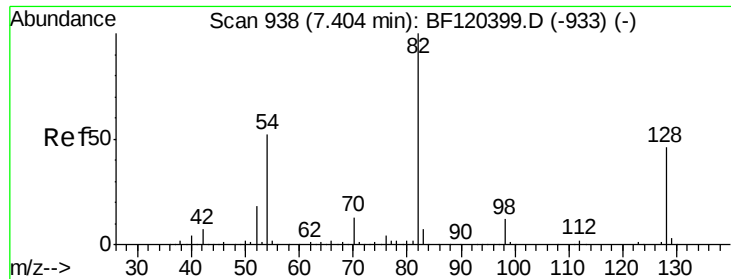
Delta R.T. -0.01 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Tgt Ion:	136	Resp:	510166
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	7.0	5.4	8.0
68	5.2	4.3	6.5





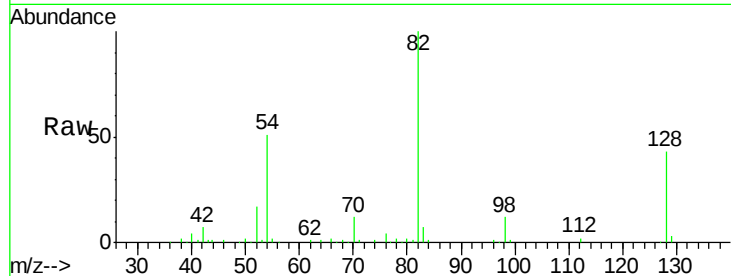
#23
Nitrobenzene-d5
Concen: 12.723 ng
RT: 7.38 min Scan# 934
Delta R.T. -0.02 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Instrument :
BNA_F
ClientSampleId :
PL-01-060320

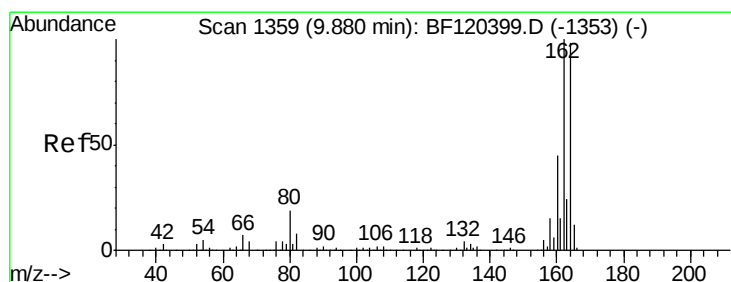
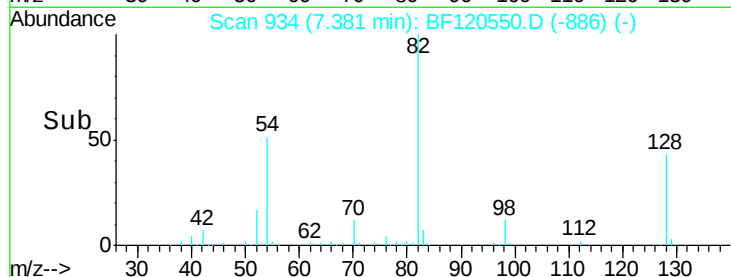
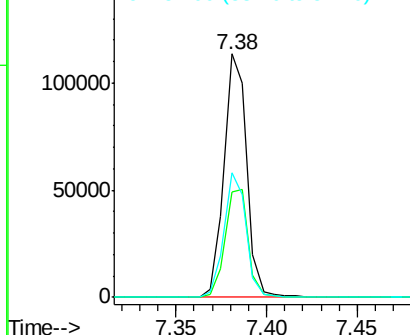
Tot Ion	82	Resp	99227
Ion Ratio	100	Lower	Upper
128	43.4	36.7	55.1
54	51.4	40.0	60.0

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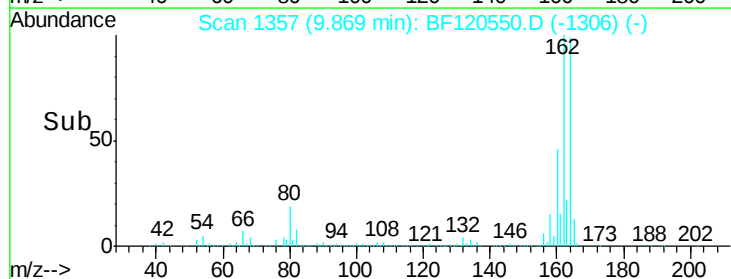
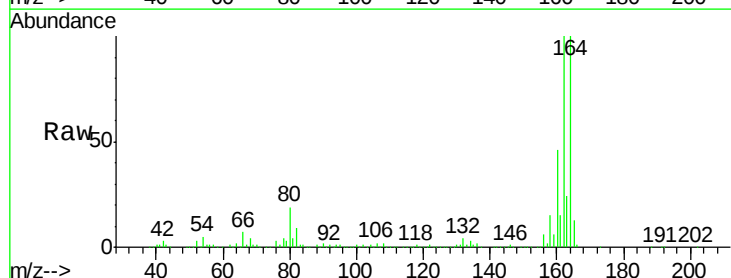
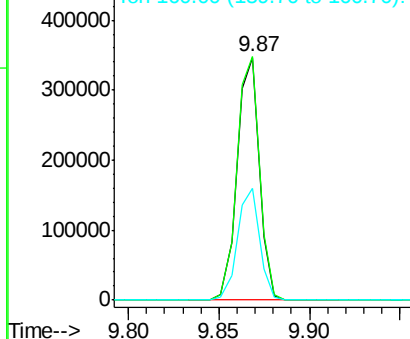
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

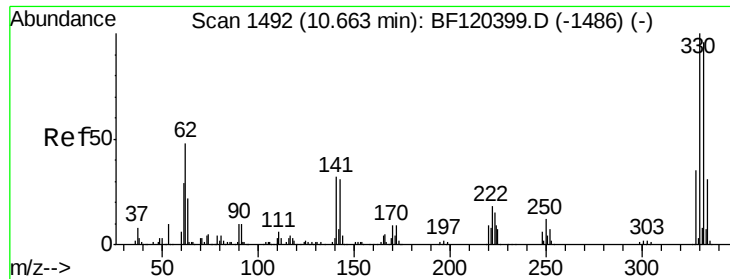


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.00 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion	164	Resp	296090
Ion Ratio	100	Lower	Upper
162	100.4	81.2	121.8
160	45.8	37.0	55.4

Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





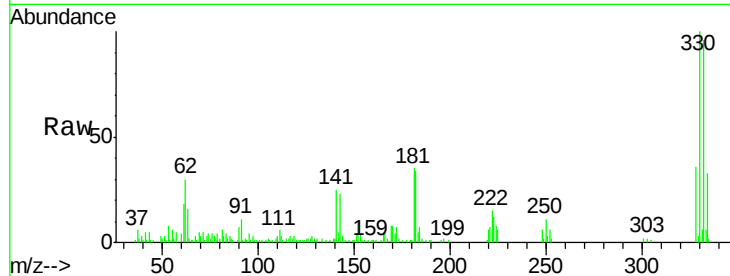
#42
 2,4,6-Tribromophenol
 Concen: 18.646 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120550.D
 Acq: 4 Jun 2020 23:01

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-060320

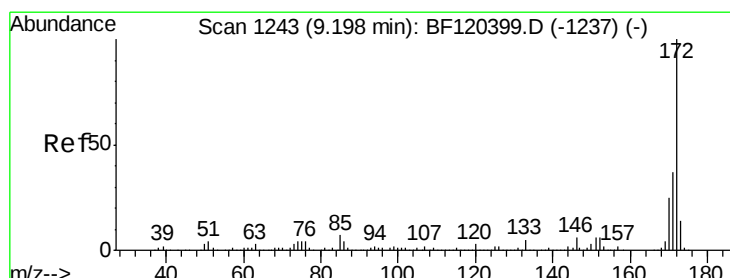
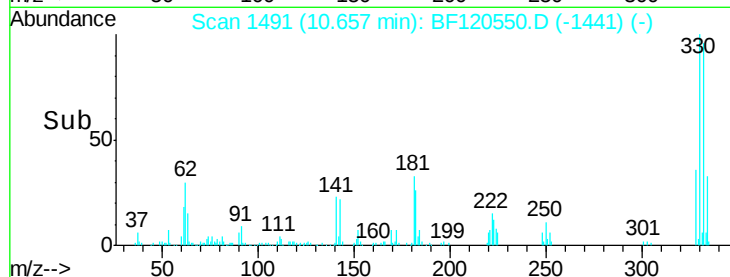
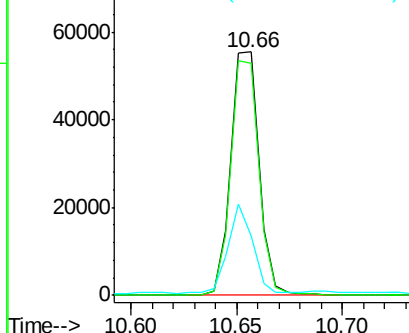
Tot Ion	Ratio	Resp	Lower	Upper
330	100	51154		
332	96.1		77.0	115.4
141	31.9		23.8	35.8

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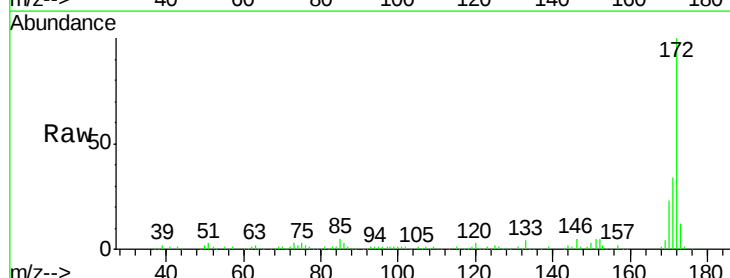


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

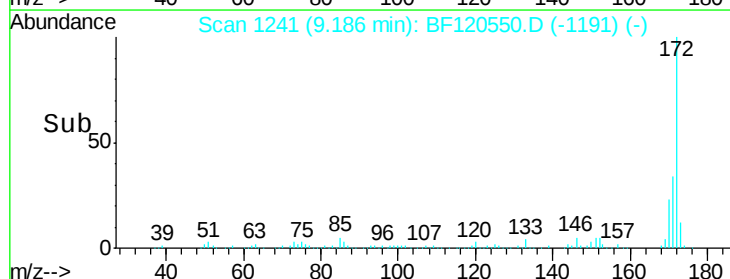
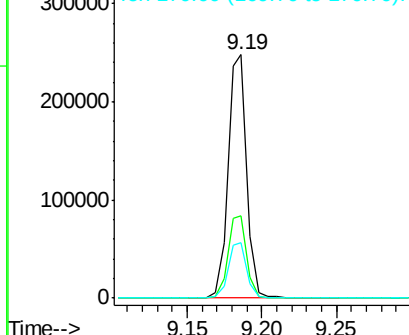


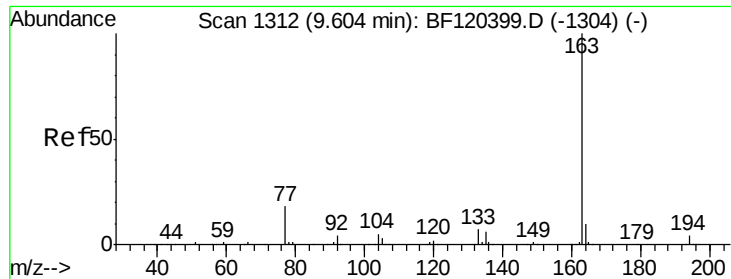
#45
 2-Fluorobiphenyl
 Concen: 12.574 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120550.D
 Acq: 4 Jun 2020 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	219432		
171	34.0		29.5	44.3
170	22.9		19.8	29.6



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





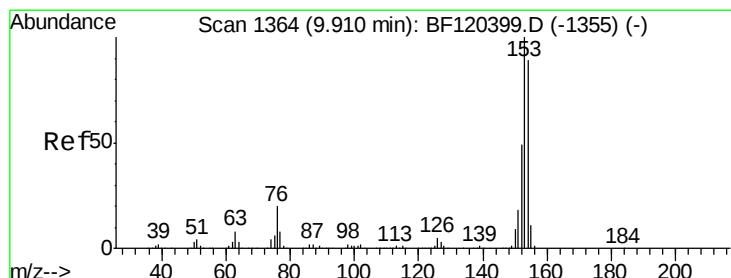
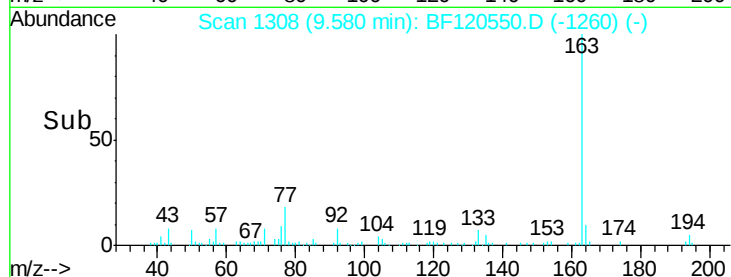
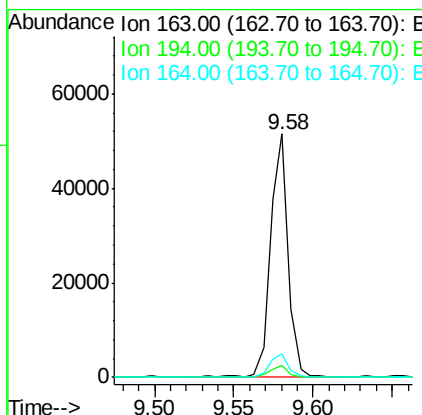
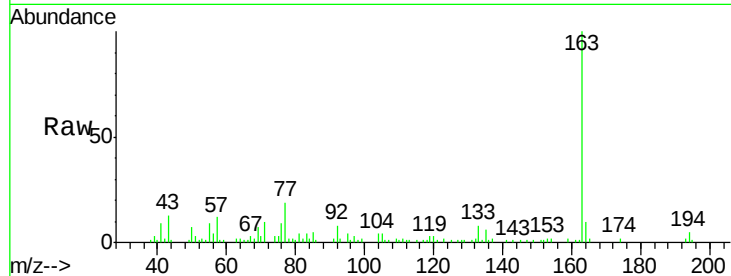
#50
Dimethylphthalate
Concen: 2.180 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Instrument :
BNA_F
ClientSampleId :
PL-01-060320

Tot Ion	Ratio	Resp	Lower	Upper
163	100	40349		
194	4.8		3.1	4.7#
164	9.8		8.0	12.0

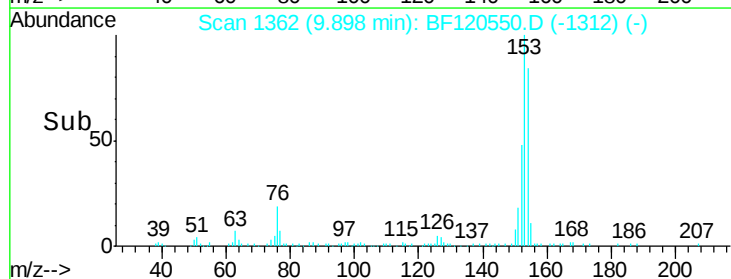
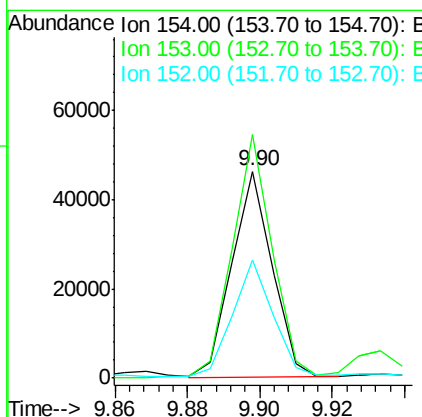
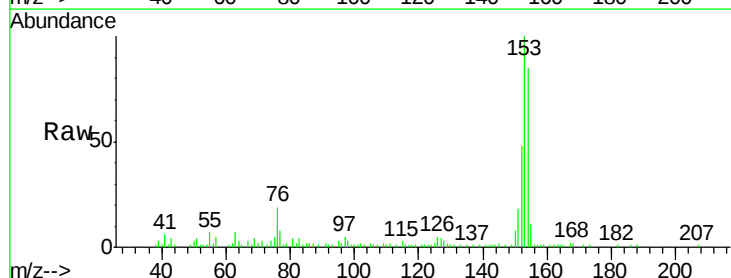
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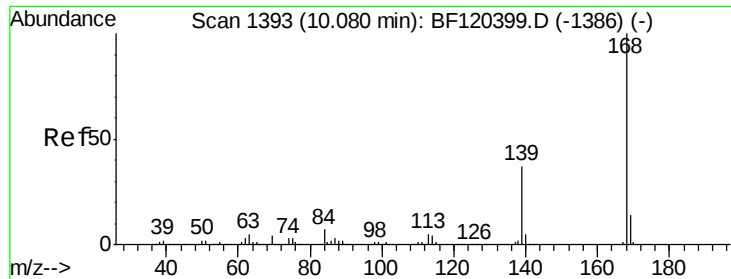
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#52
Acenaphthene
Concen: 2.307 ng
RT: 9.90 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	35642		
153	117.7		90.1	135.1
152	56.9		43.7	65.5





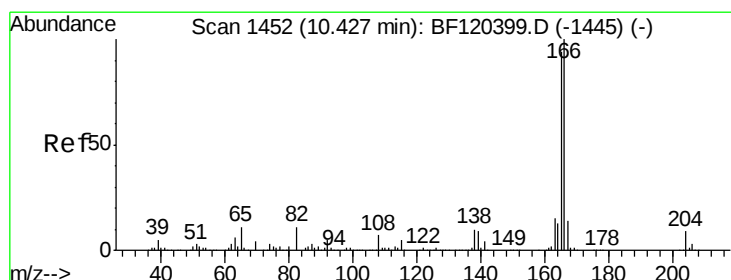
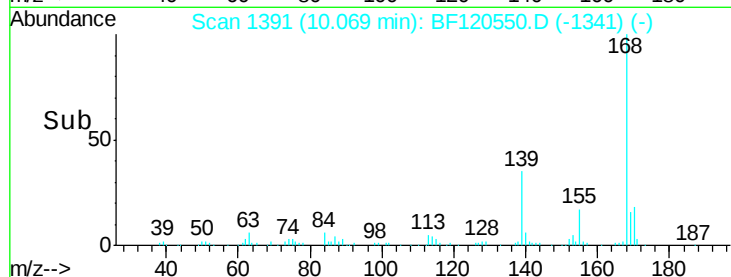
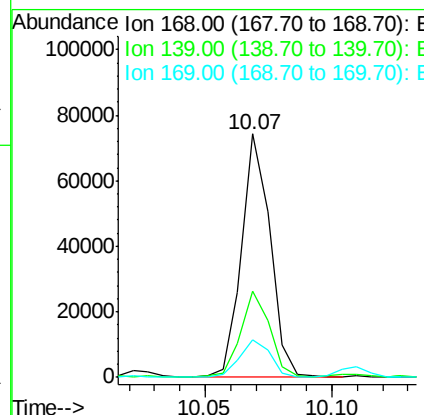
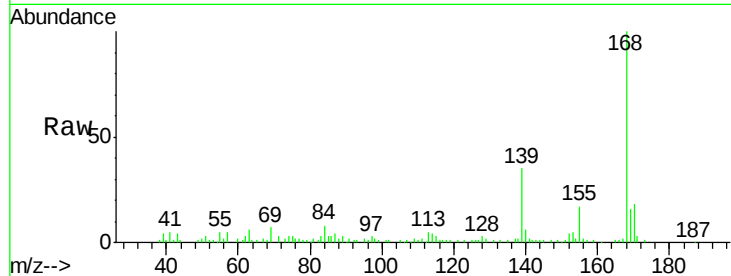
#55
Dibenzofuran
Concen: 2.590 ng
RT: 10.07 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Instrument :
BNA_F
ClientSampleId :
PL-01-060320

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.3	30.5	45.7
169	15.7	11.0	16.6

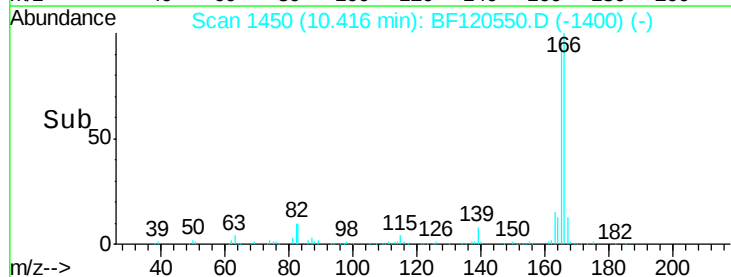
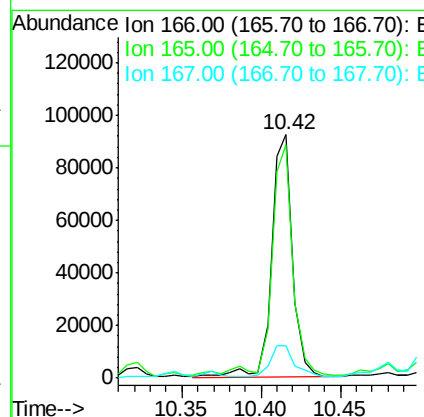
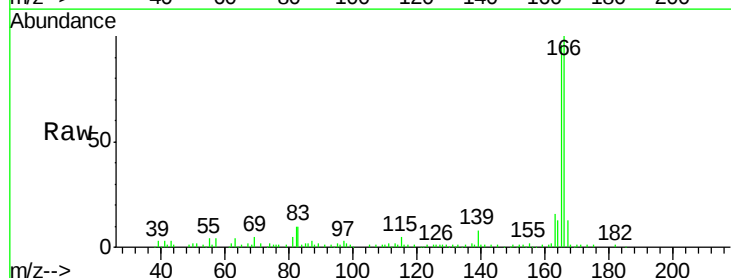
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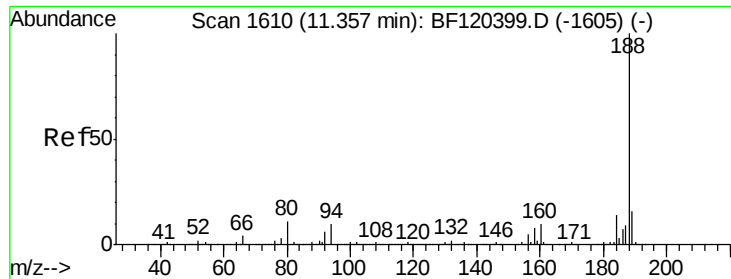
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#58
Fluorene
Concen: 5.081 ng
RT: 10.42 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.0	75.6	113.4
167	13.4	10.9	16.3





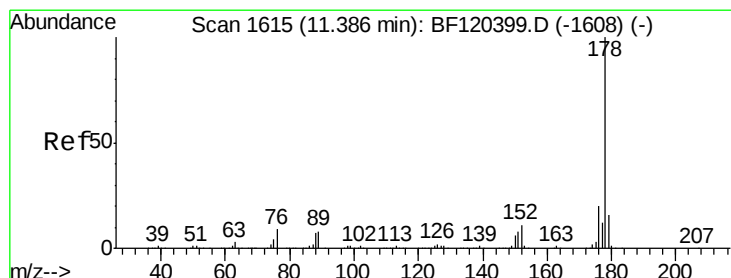
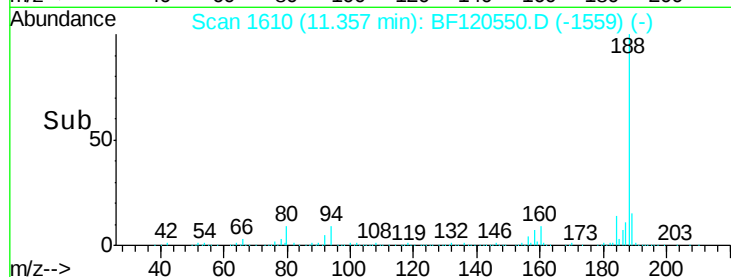
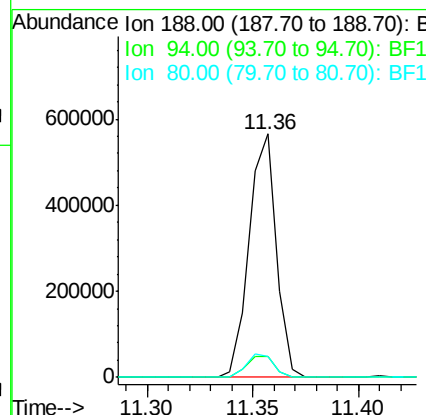
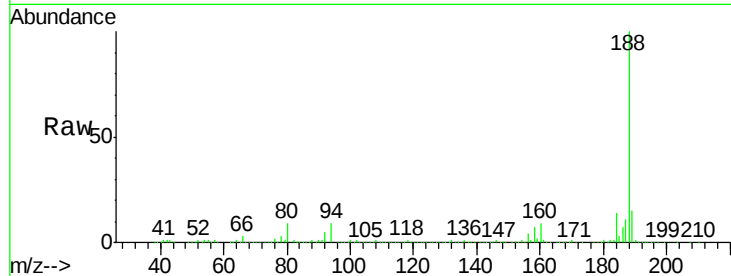
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.00 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Instrument :
BNA_F
ClientSampleId :
PL-01-060320

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.5	7.4	11.2
80	8.7	7.6	11.4

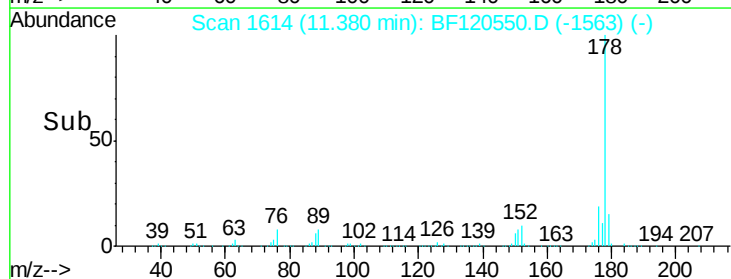
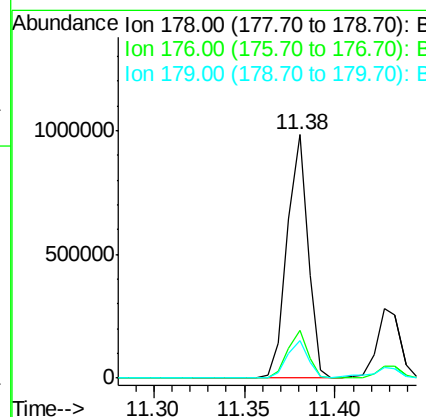
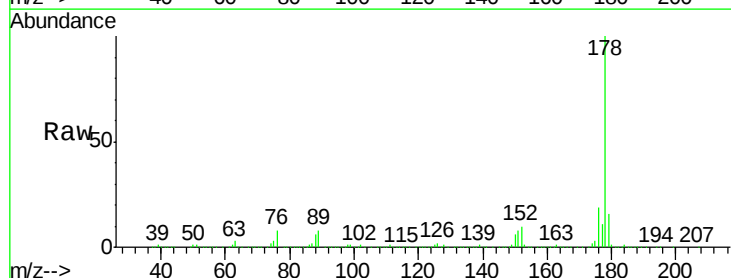
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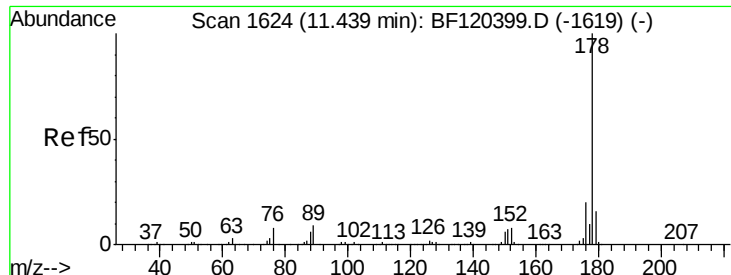
mohammad
6/5/2020 11:58:19 AM



#71
Phenanthrene
Concen: 35.335 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	16.2	24.2
179	15.5	12.8	19.2





#72

Anthracene

Concen: 10.927 ng

RT: 11.43 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Instrument :

BNA_F

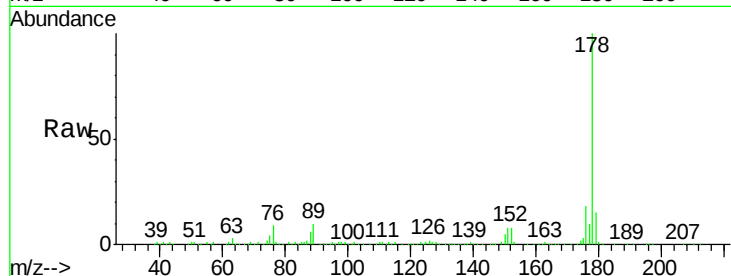
ClientSampleId :

PL-01-060320

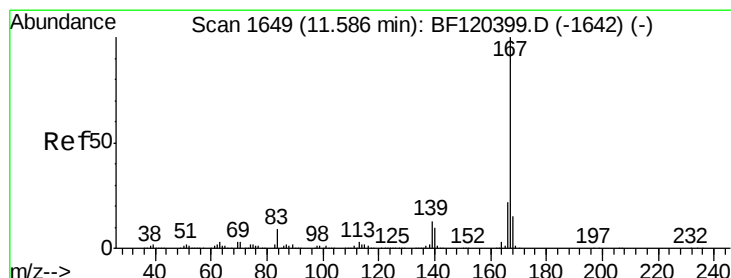
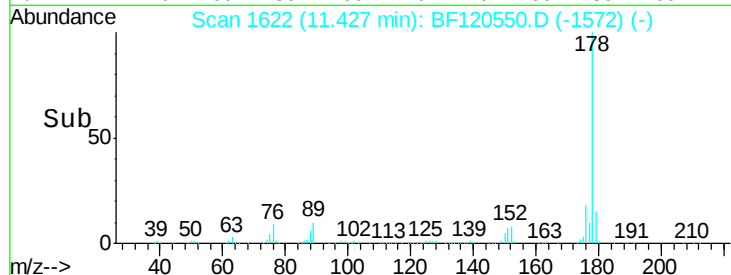
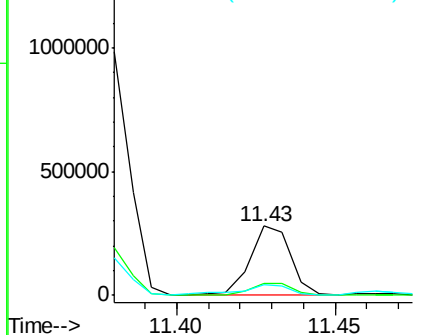
Tot Ion:	178	Resp:	244063
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.8	23.6
179	15.3	12.9	19.3

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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: 2.462 ng

RT: 11.59 min Scan# 1649

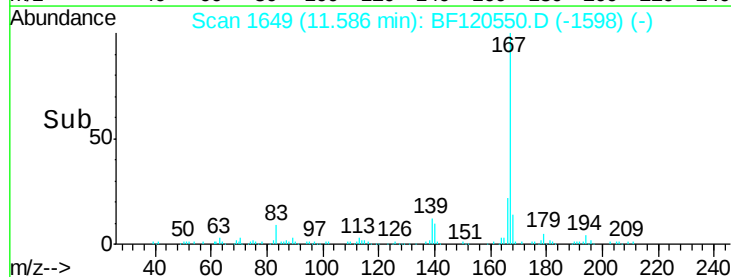
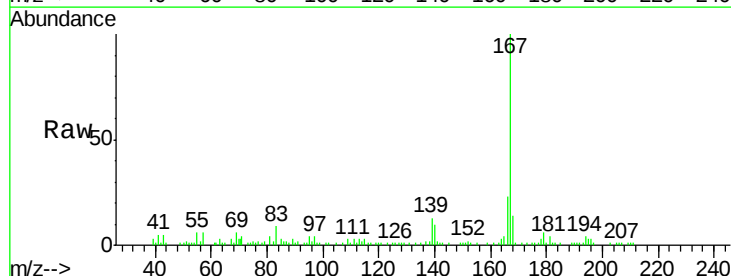
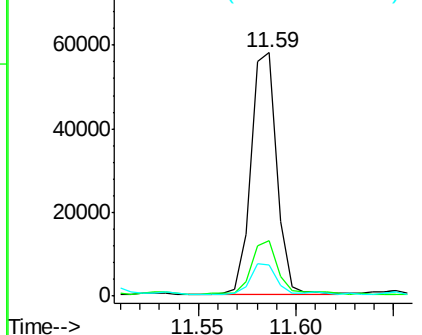
Delta R.T. -0.00 min

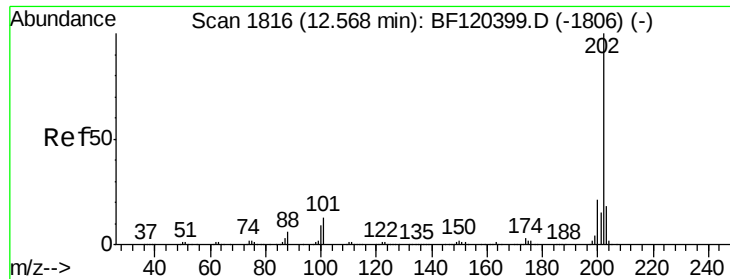
Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Tgt Ion:	167	Resp:	53188
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.4	26.0
139	13.0	10.3	15.5

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: 49.356 ng

RT: 12.57 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Instrument :

BNA_F

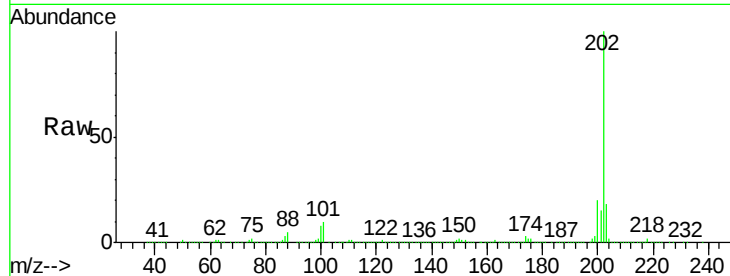
ClientSampleId :

PL-01-060320

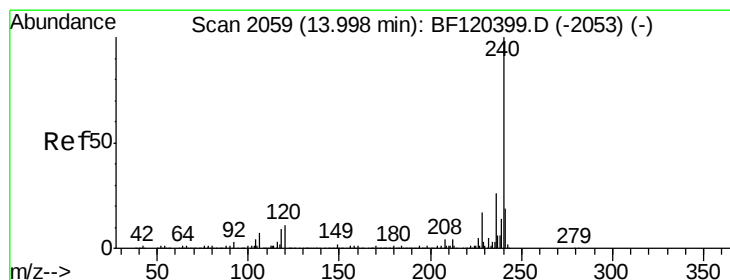
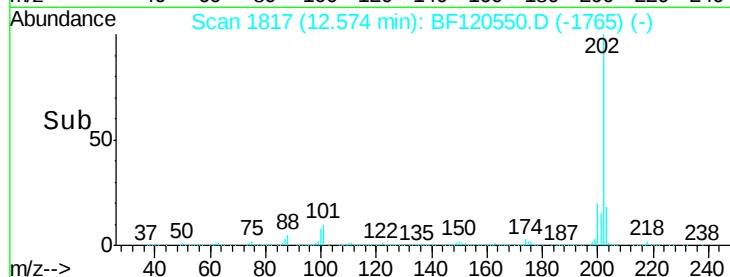
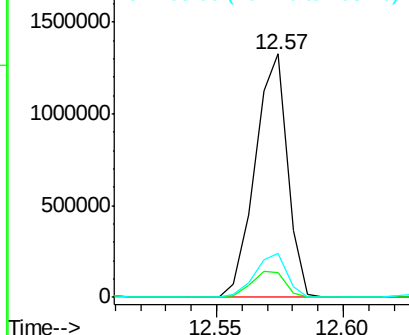
Tot Ion:	202	Resp:	1182284
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	31.3
203	18.1	0.0	38.4

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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

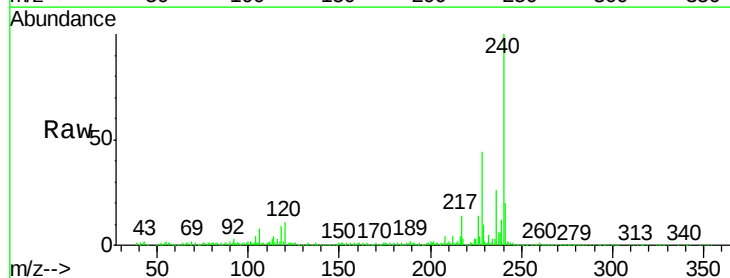
RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

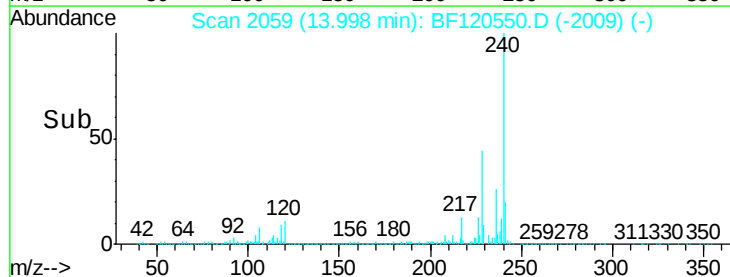
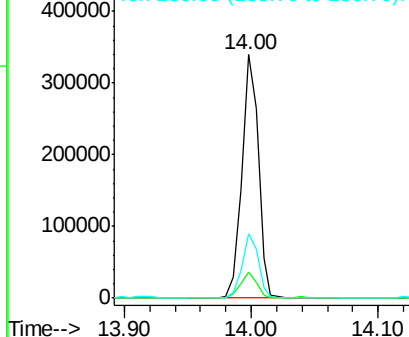
Lab File: BF120550.D

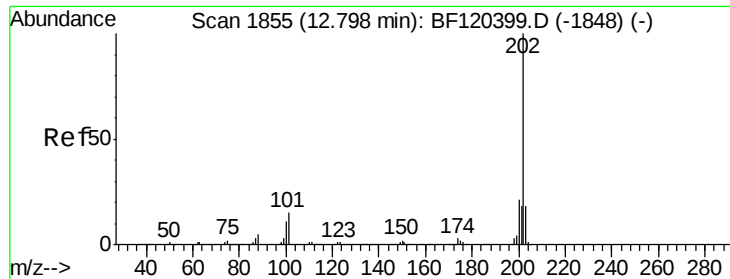
Acq: 4 Jun 2020 23:01

Tgt Ion:	240	Resp:	299099
Ion Ratio	Lower	Upper	
240	100		
120	10.8	7.7	11.5
236	26.3	20.8	31.2



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: 55.131 ng

RT: 12.80 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Instrument :

BNA_F

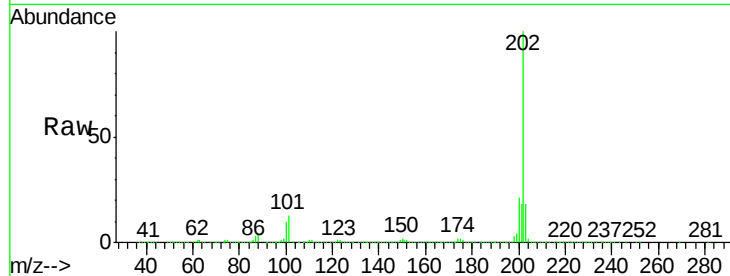
ClientSampleId :

PL-01-060320

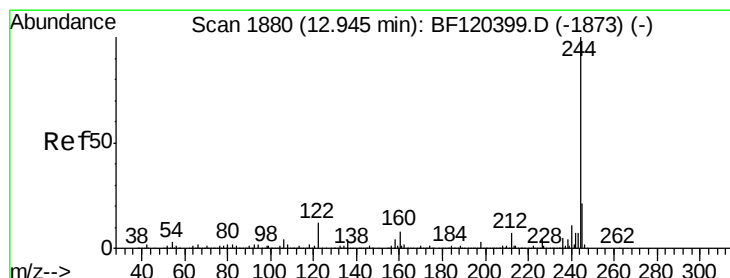
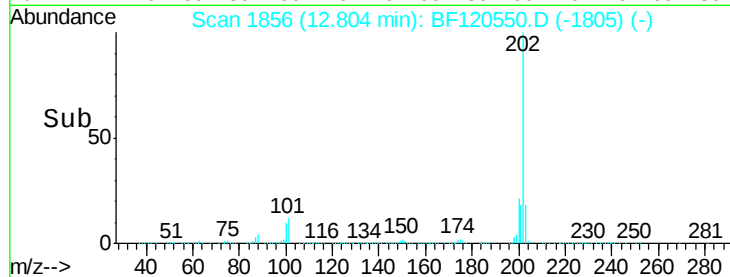
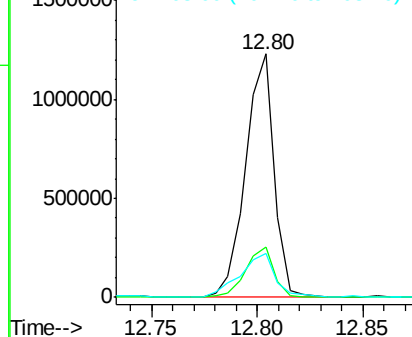
Tot Ion:	202	Resp:	1146759
Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.6
203	18.2	14.2	21.2

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 19.842 ng

RT: 12.94 min Scan# 1879

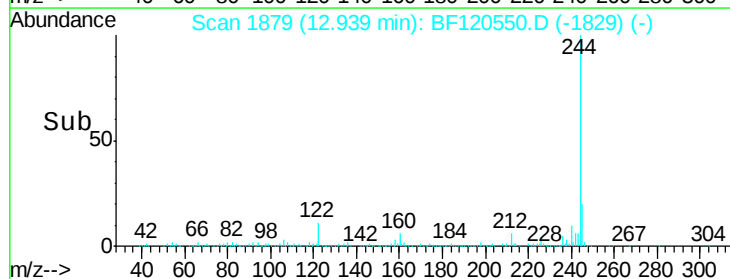
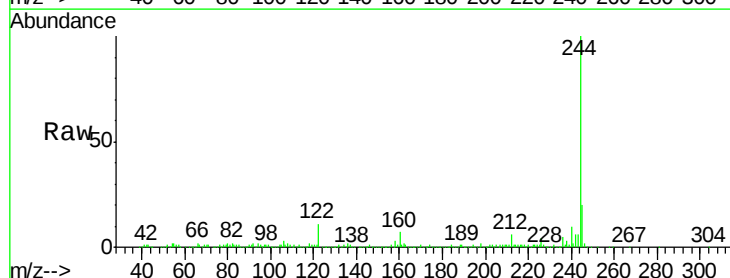
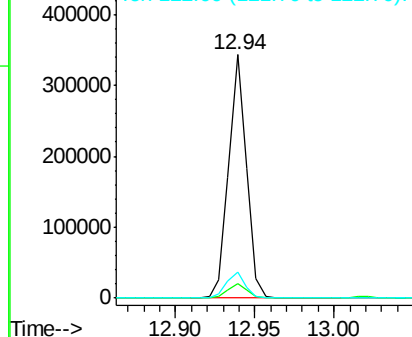
Delta R.T. -0.01 min

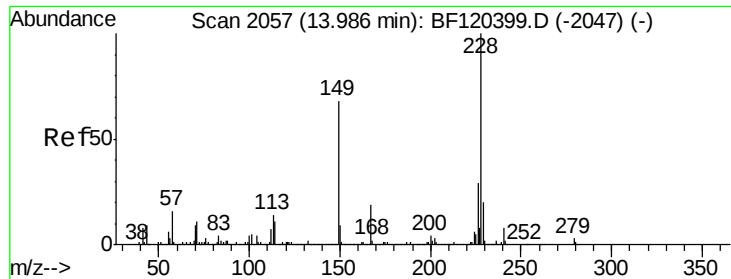
Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Tgt Ion:	244	Resp:	266696
Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.7	8.5
122	10.8	8.0	12.0

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





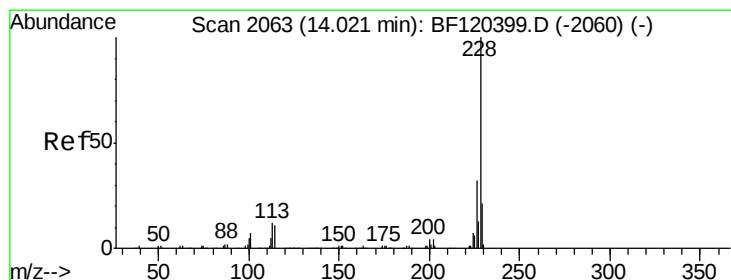
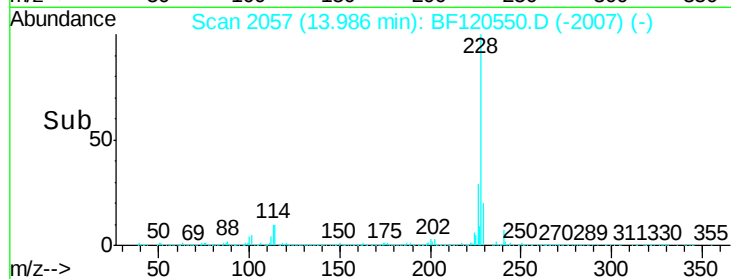
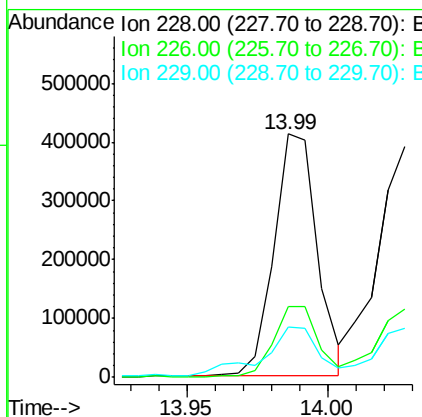
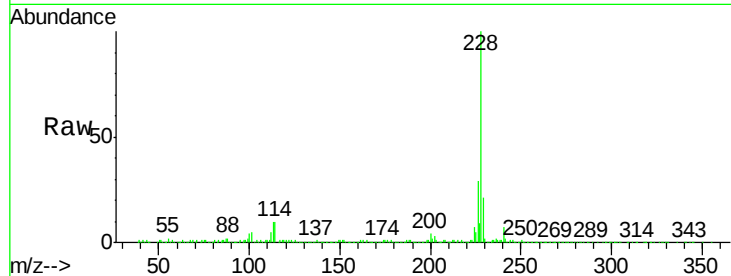
#81
Benzo(a)anthracene
Concen: 27.333 ng
RT: 13.99 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Instrument :
BNA_F
ClientSampleId :
PL-01-060320

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.4	33.6
229	20.9	16.2	24.2

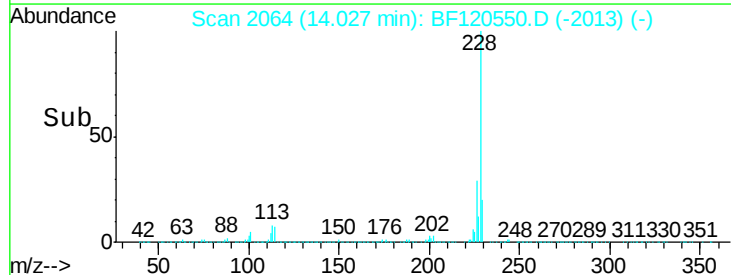
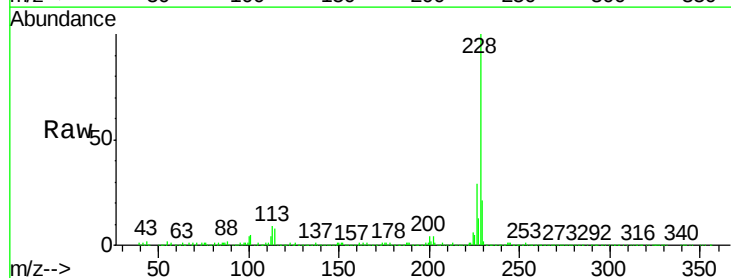
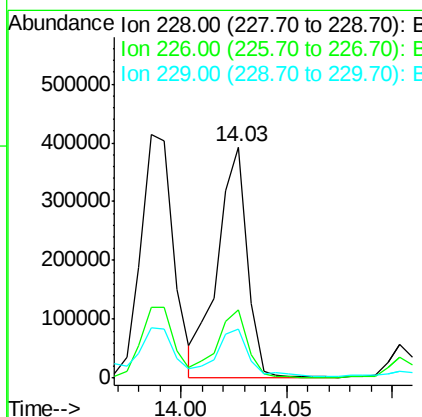
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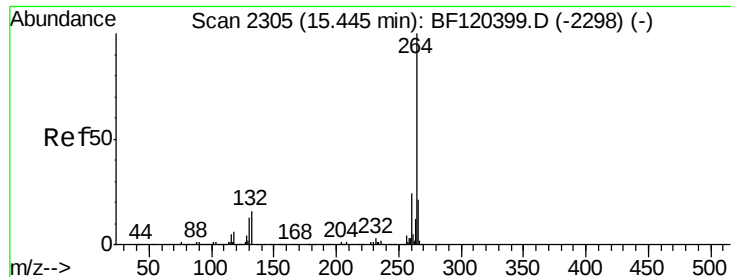
mohammad
6/5/2020 11:58:19 AM



#83
Chrysene
Concen: 22.612 ng
RT: 14.03 min Scan# 2064
Delta R.T. -0.00 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.6	38.4
229	21.3	16.2	24.2





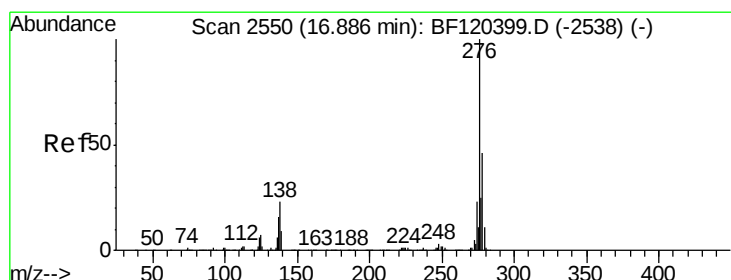
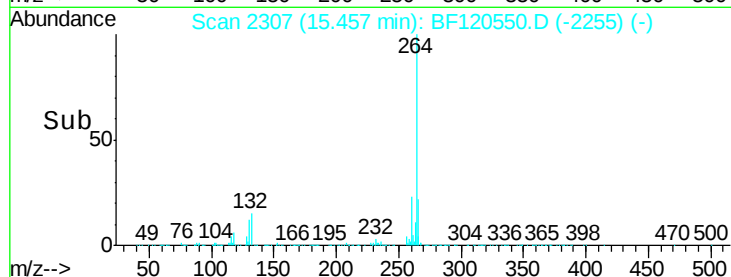
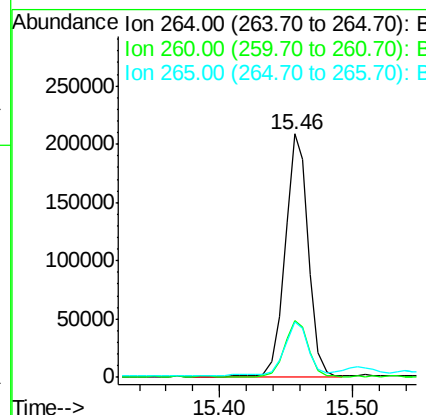
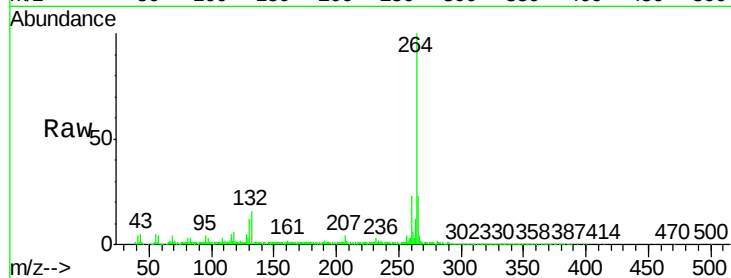
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Instrument :
BNA_F
ClientSampleId :
PL-01-060320

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	22.6	17.5	26.3

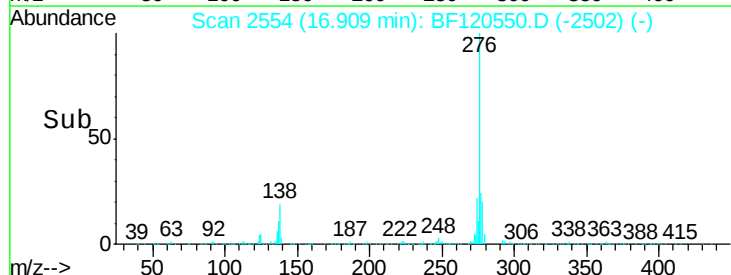
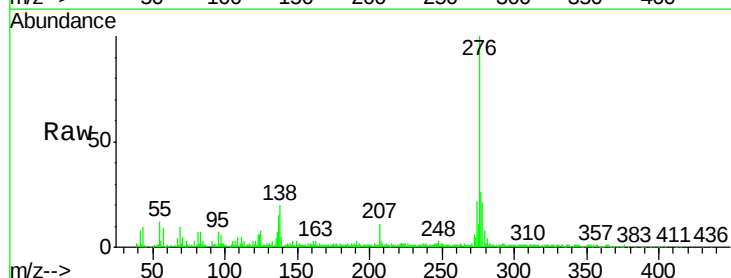
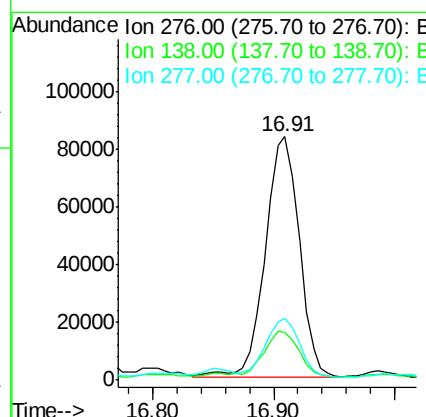
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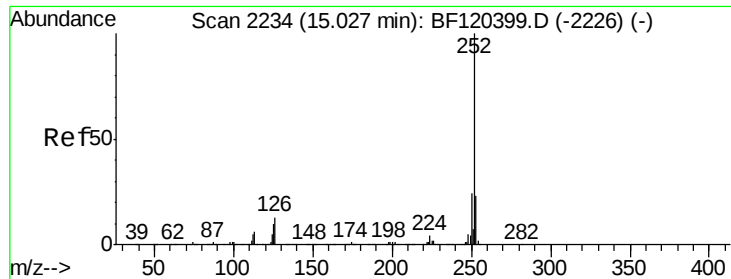
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 11.848 ng
RT: 16.91 min Scan# 2554
Delta R.T. 0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	19.2	28.8
277	24.9	20.3	30.5





#88

Benzo(b)fluoranthene

Concen: 27.897 ng m

RT: 15.04 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Instrument :

BNA_F

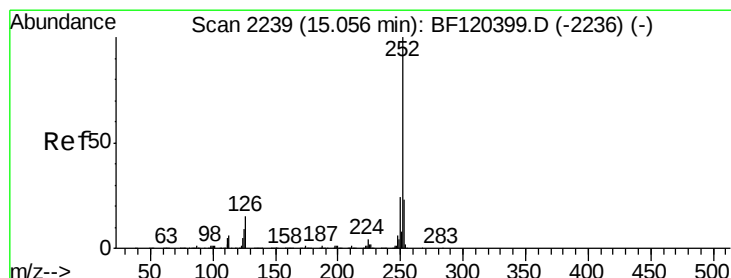
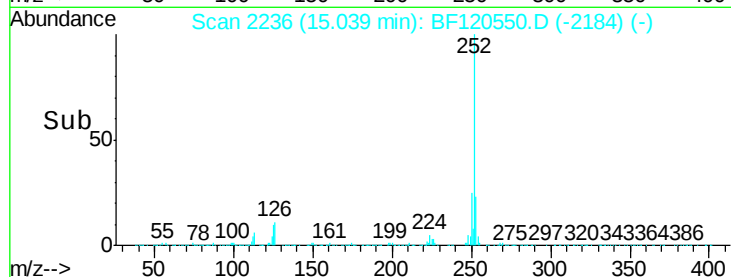
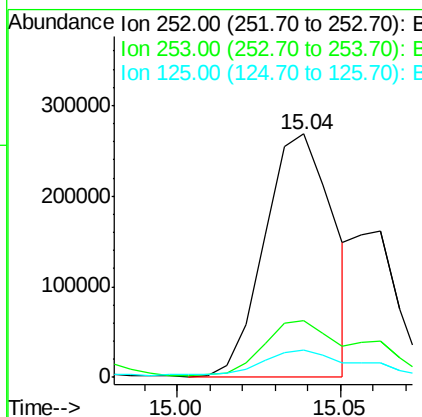
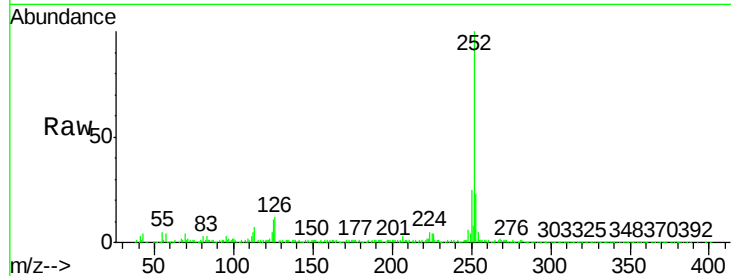
ClientSampleId :

PL-01-060320

Tot Ion:	252	Resp:	389841
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.0	27.0
125	11.4	8.3	12.5

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#89

Benzo(k)fluoranthene

Concen: 10.979 ng m

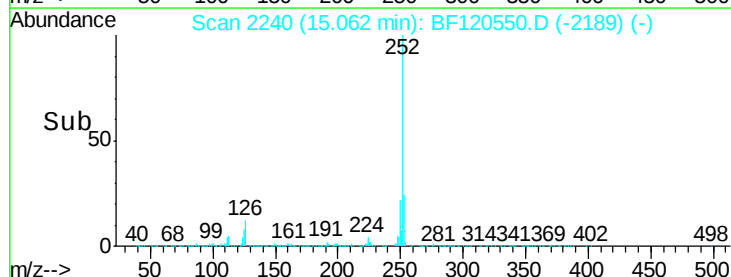
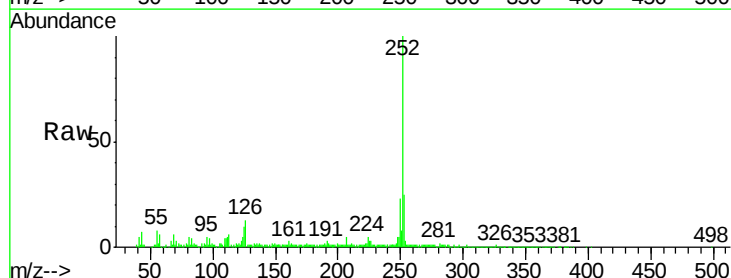
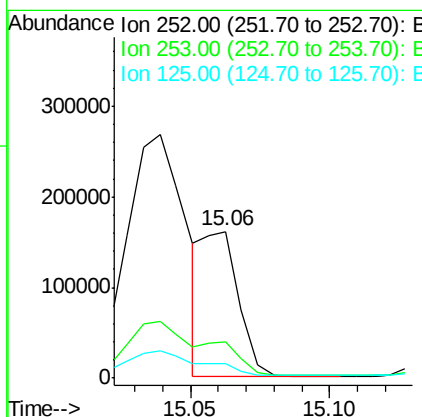
RT: 15.06 min Scan# 2240

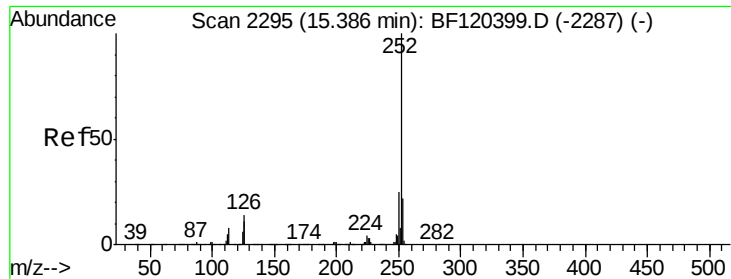
Delta R.T. -0.00 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Tgt Ion:	252	Resp:	143222
Ion Ratio	Lower	Upper	
252	100		
253	24.9	18.4	27.6
125	9.8	8.6	13.0





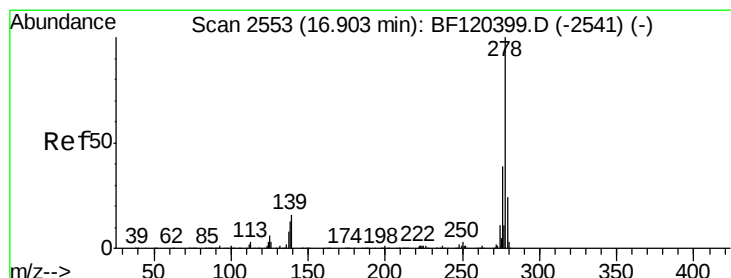
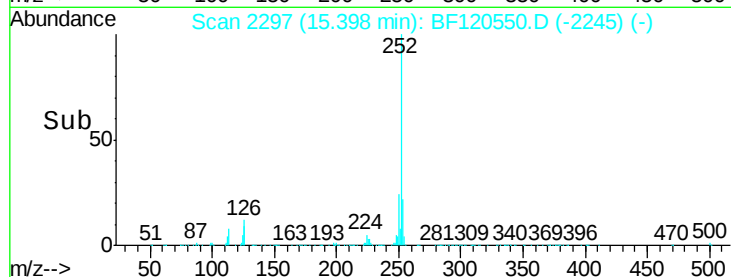
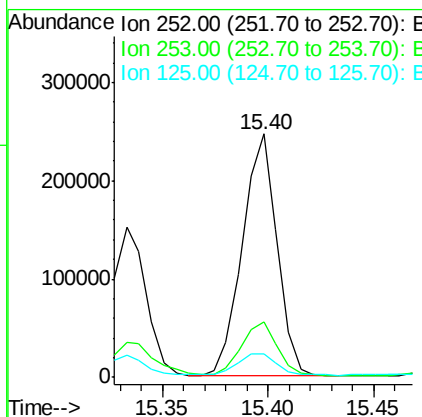
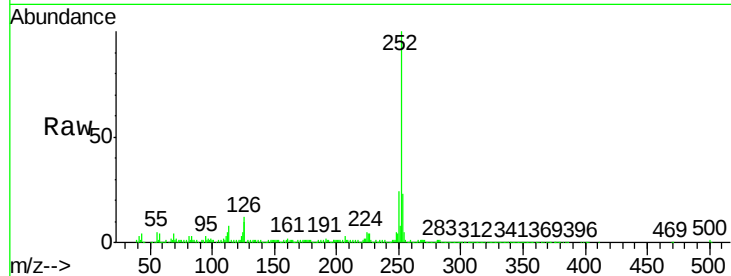
#90
Benzo(a)pyrene
Concen: 23.050 ng
RT: 15.40 min Scan# 2297
Delta R.T. 0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Instrument :
BNA_F
ClientSampleId :
PL-01-060320

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	9.9	9.6	14.4

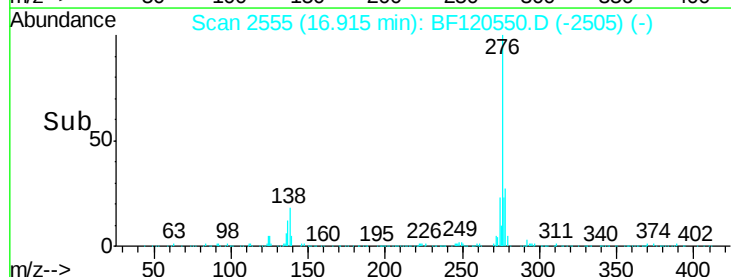
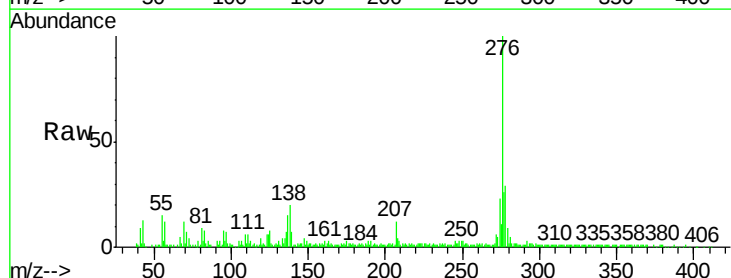
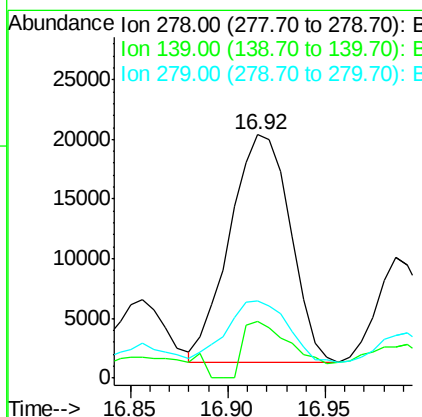
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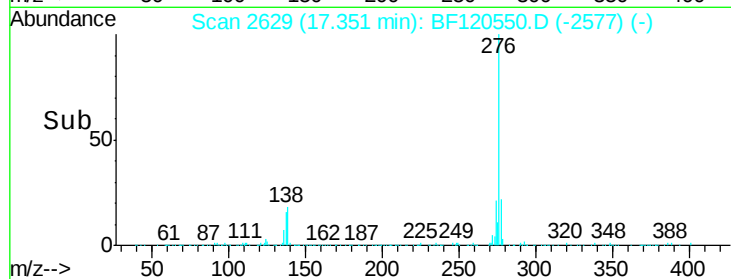
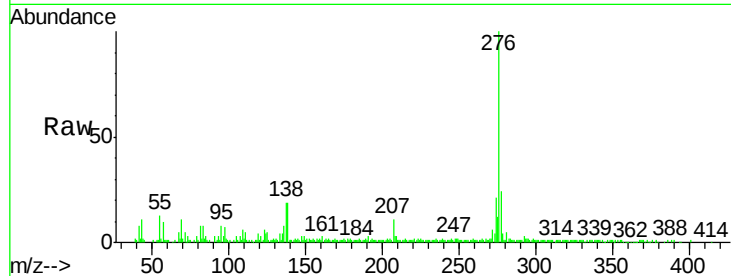
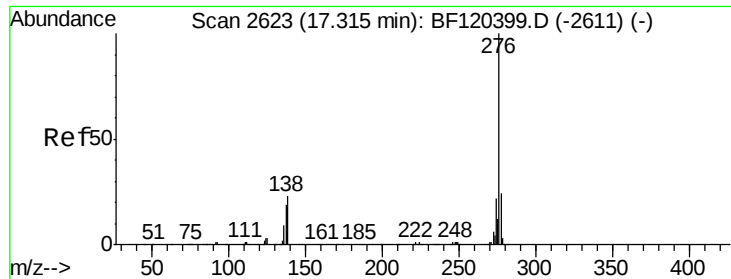
mohammad
6/5/2020 11:58:19 AM



#91
Dibenzo(a,h)anthracene
Concen: 3.651 ng
RT: 16.92 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.3	12.4	18.6#
279	31.7	19.4	29.0#





#92
Benzo(a,h,i)perylene
Concen: 13.687 ng
RT: 17.35 min Scan# 2629
Delta R.T. 0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Instrument :
BNA_F
ClientSampleId :
PL-01-060320

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.3	28.9
138	19.3	16.9	25.3

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6/5/2020 11:58:19 AM

