

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060120\
 Data File : BF120477.D
 Acq On : 1 Jun 2020 18:01
 Operator : JU/CG
 Sample : L2773-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NMDUP04-COMP-2020-0-6

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Quant Time: Jun 01 18:52:58 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	226741	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	790141	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	370334	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	613778	20.00	ng	0.00
76) Chrysene-d12	14.00	240	499019	20.00	ng	0.00
86) Perylene-d12	15.46	264	484265	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1558720	131.01	ng	0.01
7) Phenol-d6	6.48	99	1951822	133.10	ng	0.01
23) Nitrobenzene-d5	7.40	82	1276918	105.71	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	483048	140.78	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2117443	97.01	ng	0.00
79) Terphenyl-d14	12.95	244	2058575	91.80	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.59	163	324529	14.02	ng	99
52) Acenaphthene	9.91	154	80512	4.17	ng	99
55) Dibenzofuran	10.08	168	59968	2.14	ng	96
58) Fluorene	10.42	166	84048	3.99	ng	97
71) Phenanthrene	11.39	178	969513	35.85	ng	99
72) Anthracene	11.44	178	256975	9.47	ng	98
73) Carbazole	11.59	167	100208	3.82	ng	97
75) Fluoranthene	12.58	202	1306659	44.90	ng	97
78) Pyrene	12.81	202	1202290	34.64	ng	99
81) Benzo(a)anthracene	13.99	228	671363	25.10	ng	98
83) Chrysene	14.03	228	575057	20.51	ng	96
84) Bis(2-ethylhexyl)phthalate	13.99	149	69316	4.08	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.91	276	320426m	12.10	ng	
88) Benzo(b)fluoranthene	15.04	252	724810m	26.95	ng	
89) Benzo(k)fluoranthene	15.06	252	216639m	8.63	ng	
90) Benzo(a)pyrene	15.40	252	495697	21.07	ng	97
91) Dibenzo(a,h)anthracene	16.92	278	74350	3.44	ng	# 91
92) Benzo(g,h,i)perylene	17.35	276	294791	13.84	ng	98

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

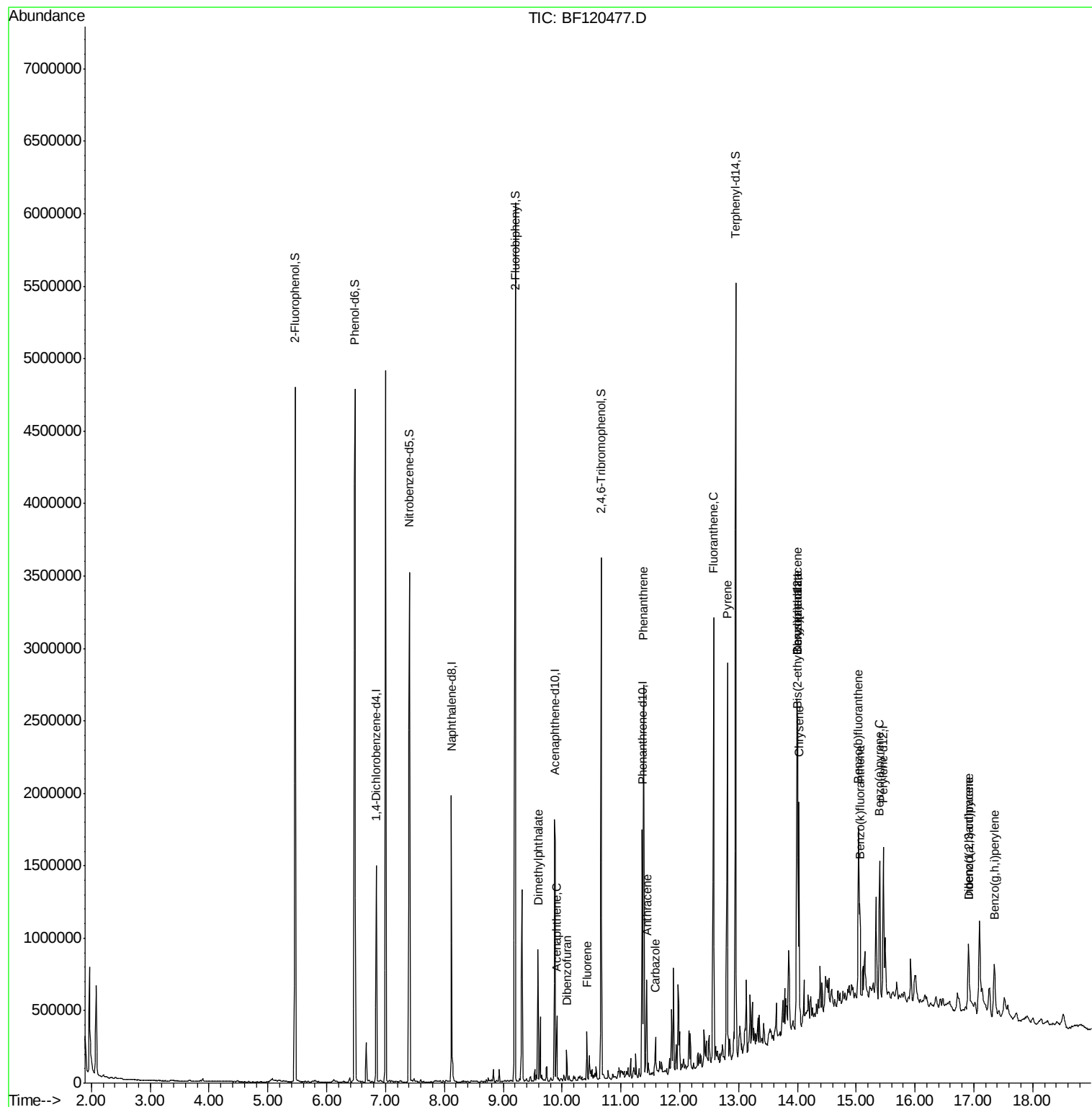
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060120\
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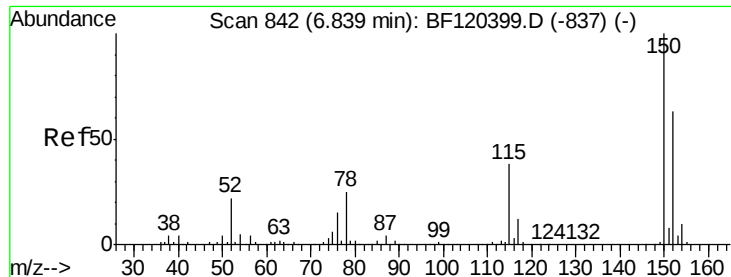
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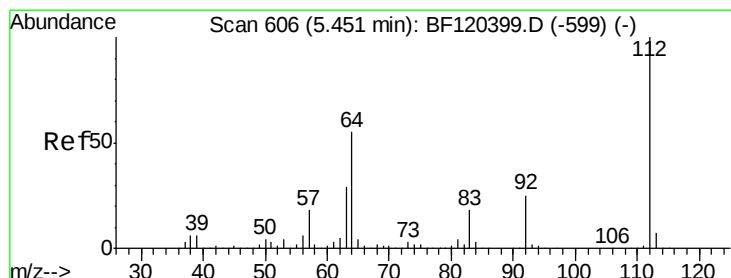
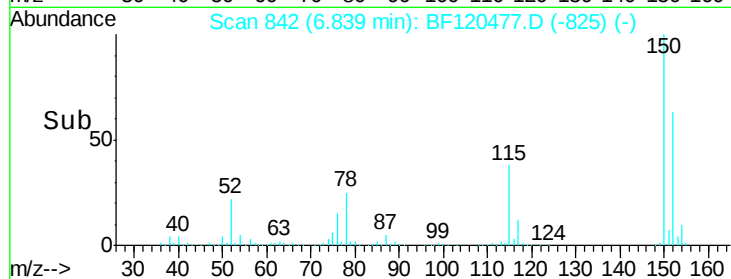
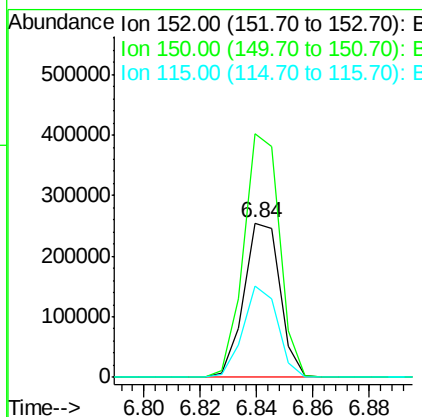
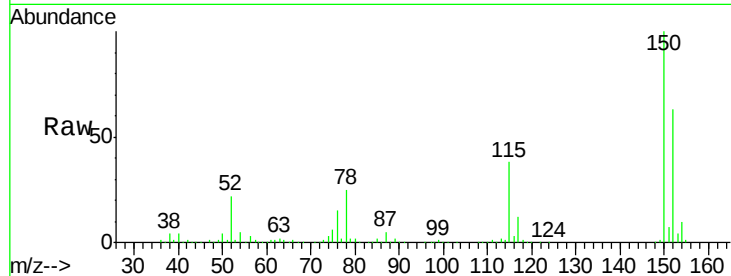
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: BF120477.D
 Acq: 1 Jun 2020 18:01

Instrument :
 BNA_F
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.5	189.7
115	59.5	47.6	71.4

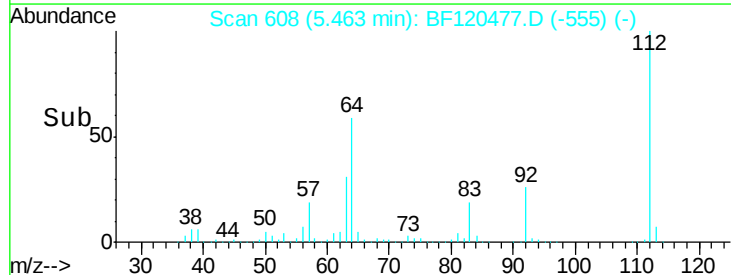
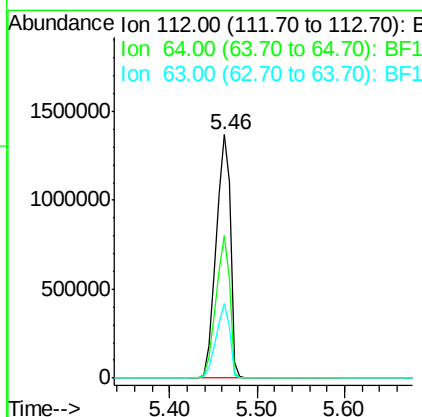
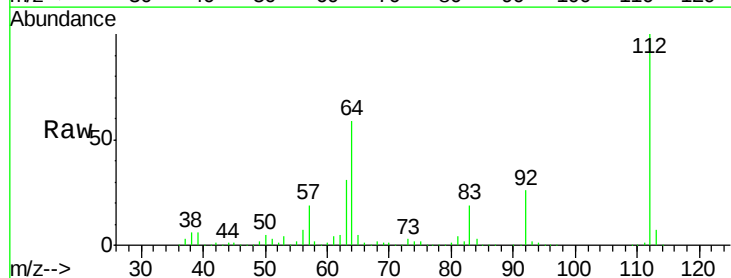
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#5
 2-Fluorophenol
 Concen: 131.01 ng
 RT: 5.46 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: BF120477.D
 Acq: 1 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	44.3	66.5
63	30.7	22.9	34.3





#7

Phenol-d6

Concen: 133.10 ng

RT: 6.48 min Scan# 781

Delta R.T. 0.01 min

Lab File: BF120477.D

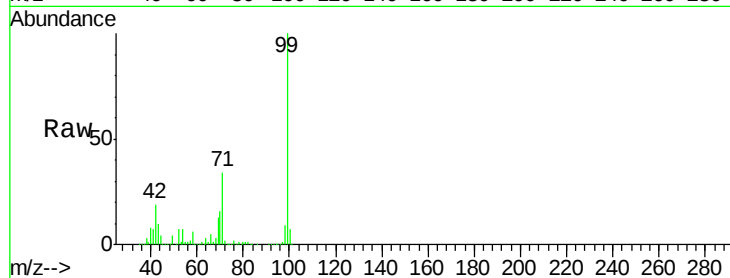
Acq: 1 Jun 2020 18:01

Instrument :

BNA_F

ClientSampleId :

NMDUP04-COMP-2020-0-6



Tgt Ion: 99 Resp: 1951822

Ion Ratio Lower Upper

99 100

42 18.8 15.2 22.8

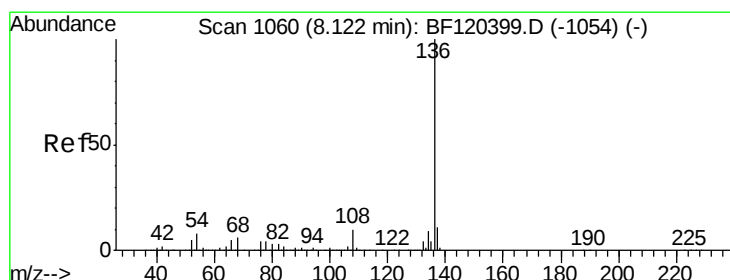
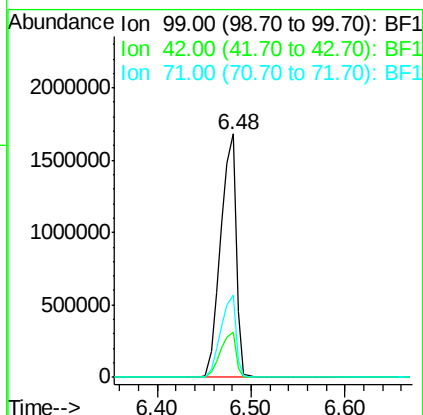
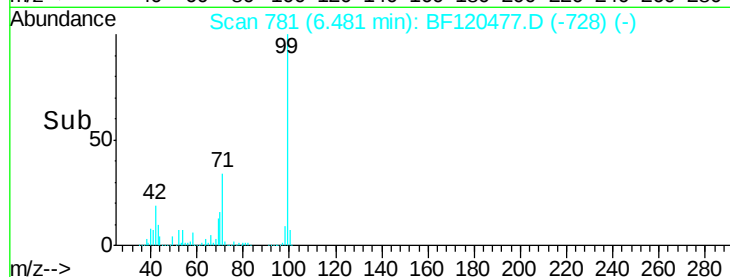
71 33.8 25.6 38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BF120477.D

Acq: 1 Jun 2020 18:01

Tgt Ion: 136 Resp: 790141

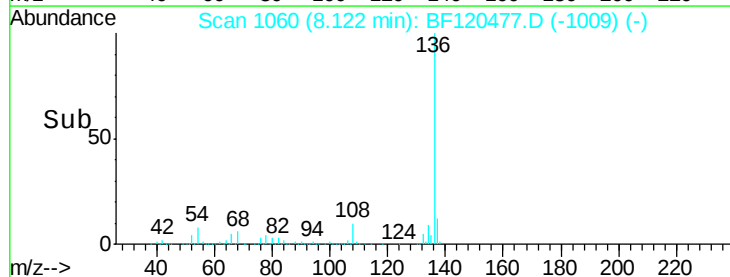
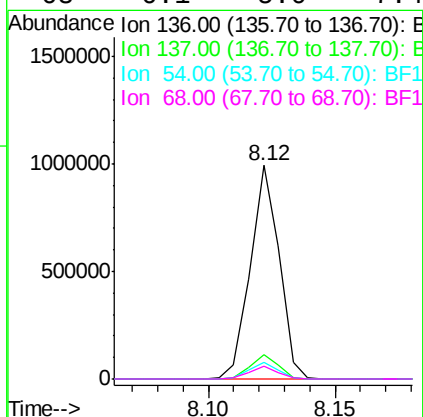
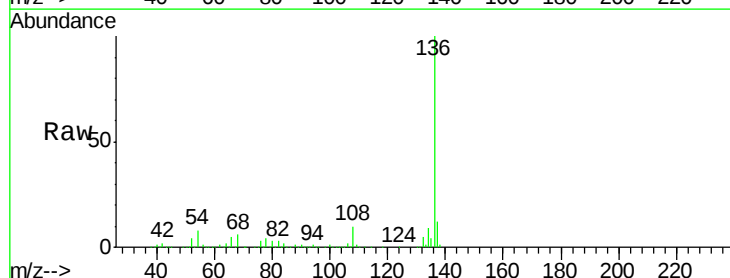
Ion Ratio Lower Upper

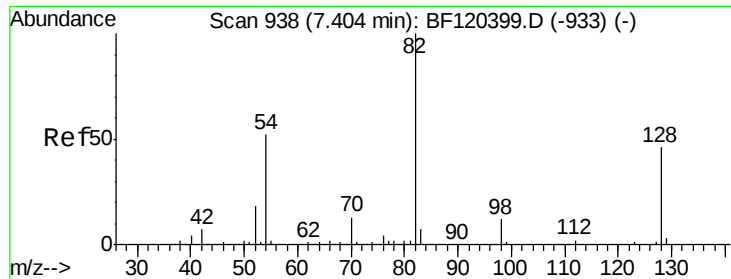
136 100

137 11.5 9.1 13.7

54 7.6 6.7 10.1

68 6.1 5.0 7.4





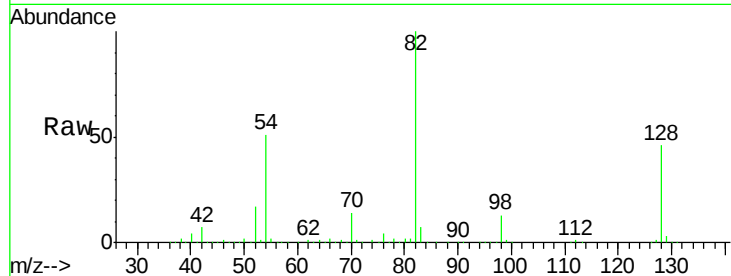
#23
 Nitrobenzene-d5
 Concen: 105.71 ng
 RT: 7.40 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: BF120477.D
 Acq: 1 Jun 2020 18:01

Instrument :
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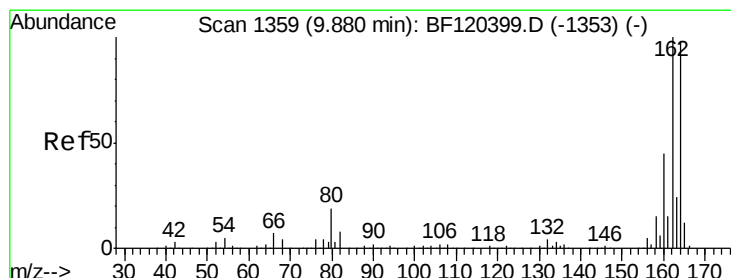
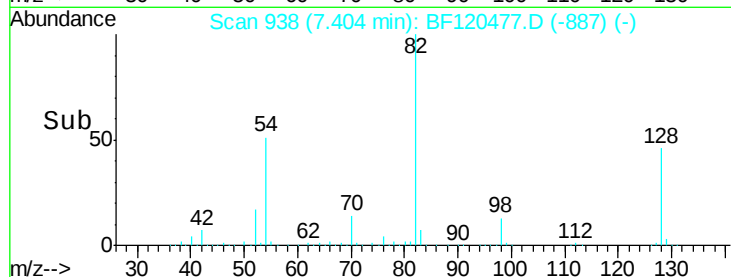
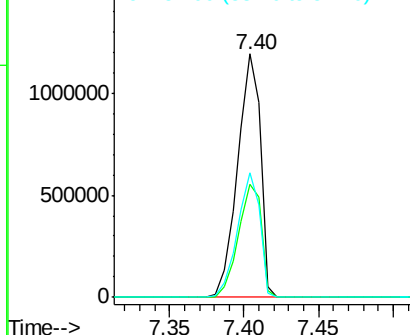
Tgt Ion: 82 Resp: 1276918
 Ion Ratio Lower Upper
 82 100
 128 46.2 36.8 55.2
 54 51.4 41.6 62.4

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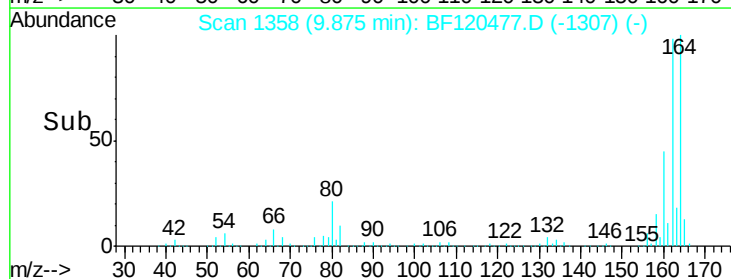
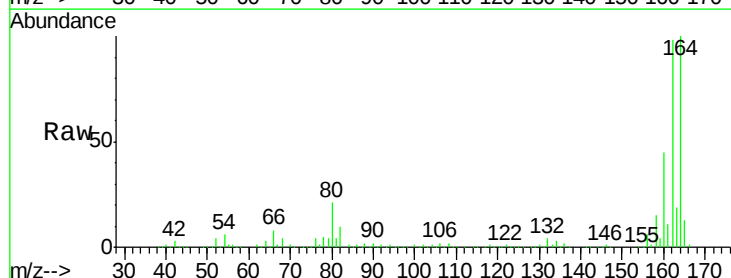
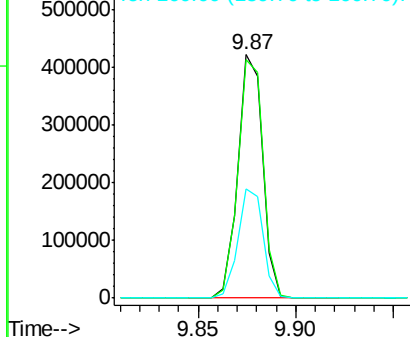
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: BF120477.D
 Acq: 1 Jun 2020 18:01

Tgt Ion: 164 Resp: 370334
 Ion Ratio Lower Upper
 164 100
 162 98.1 81.3 121.9
 160 44.7 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





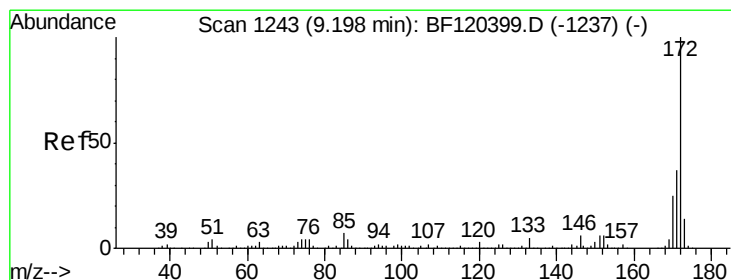
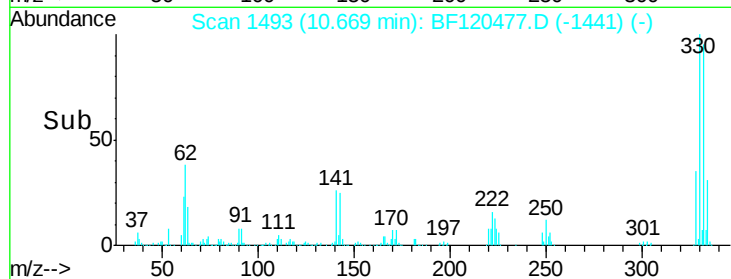
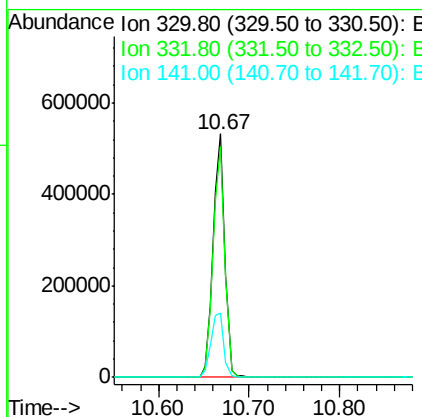
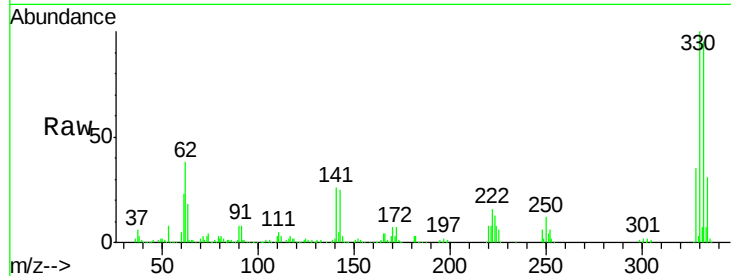
#42
 2,4,6-Tribromophenol
 Concen: 140.78 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: BF120477.D
 Acq: 1 Jun 2020 18:01

Instrument :
 BNA_F
 ClientSampleId :
 NMDUP04-COMP-2020-0-6

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	483048		
332	95.6	77.0	115.6	
141	29.6	25.3	37.9	

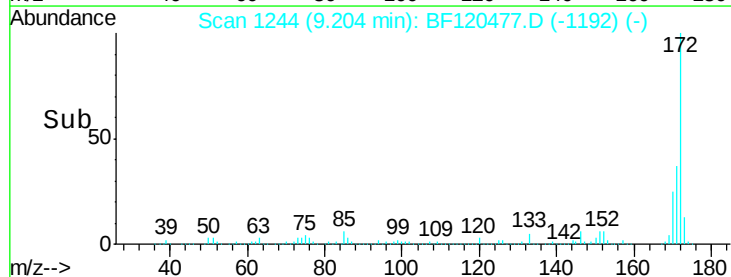
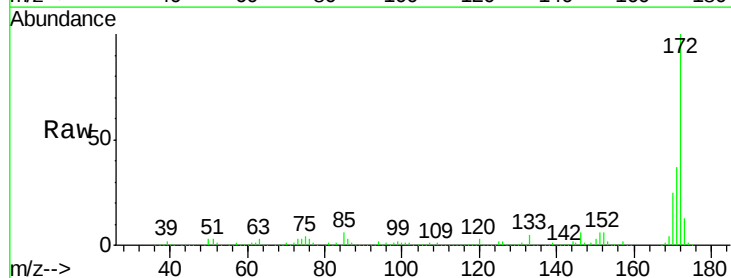
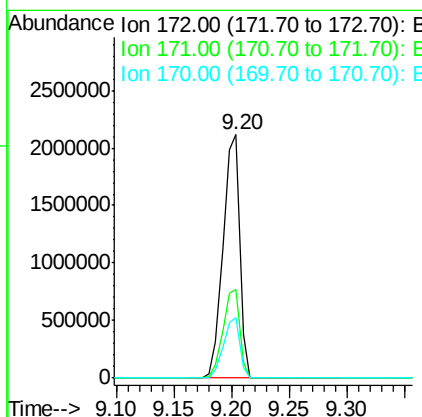
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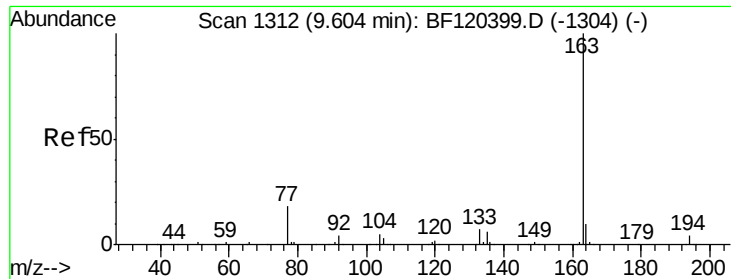
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#45
 2-Fluorobiphenyl
 Concen: 97.01 ng
 RT: 9.20 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: BF120477.D
 Acq: 1 Jun 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2117443		
171	36.5	29.7	44.5	
170	24.8	19.9	29.9	





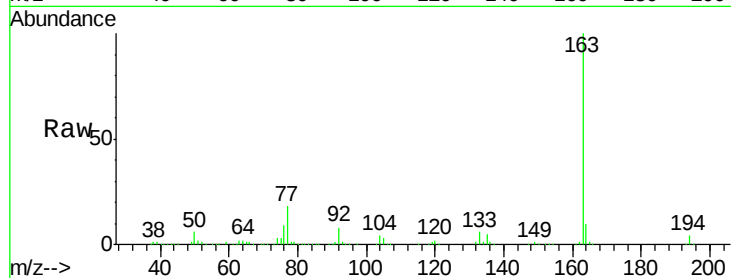
#50
Dimethylphthalate
Concen: 14.02 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120477.D
Acq: 1 Jun 2020 18:01

Instrument :
BNA_F
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NMDUP04-COMP-2020-0-6

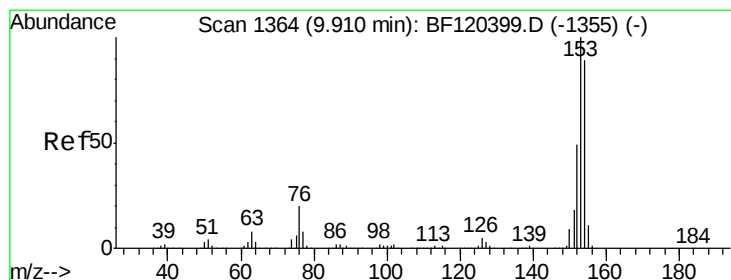
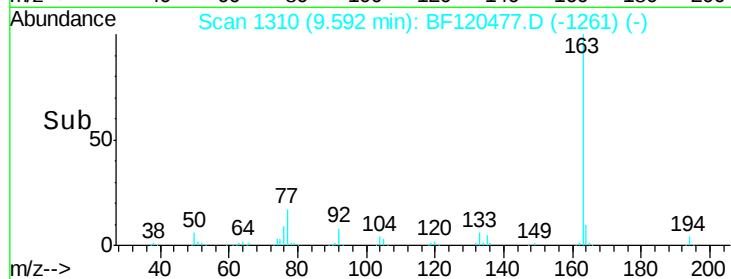
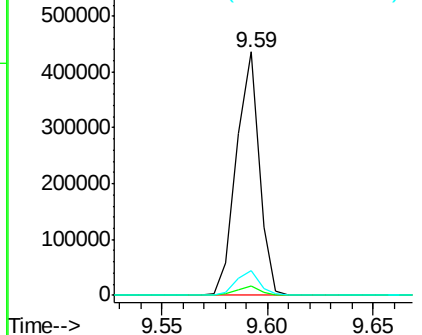
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.8	3.3	4.9
164	10.0	8.3	12.5

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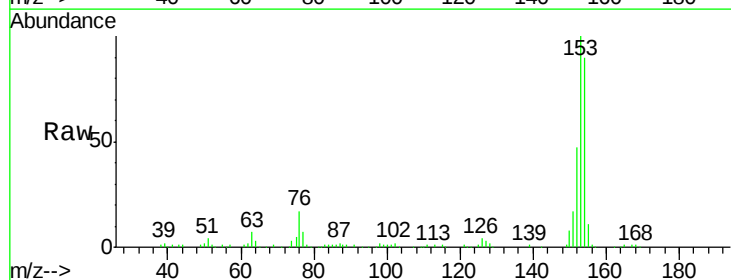


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

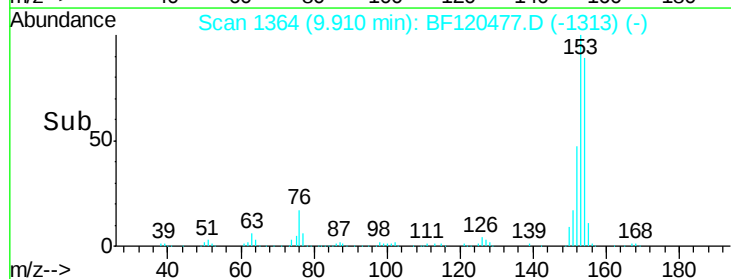
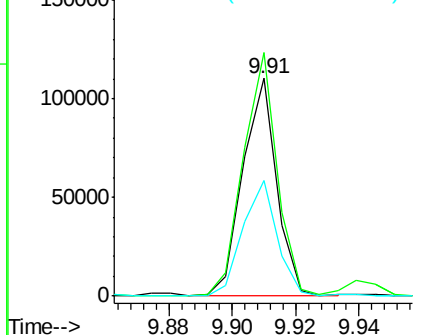


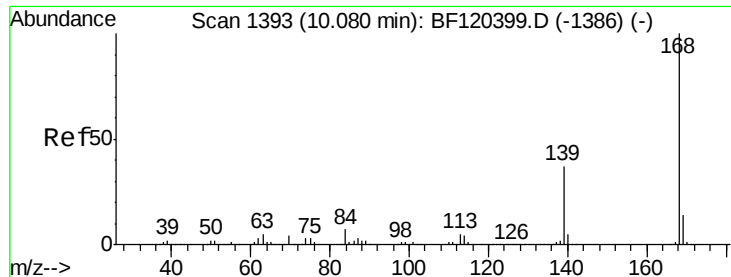
#52
Acenaphthene
Concen: 4.17 ng
RT: 9.91 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BF120477.D
Acq: 1 Jun 2020 18:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	111.7	90.0	135.0
152	53.0	43.9	65.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





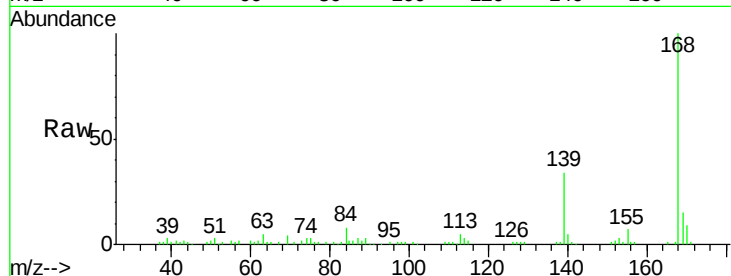
#55
Dibenzenofuran
Concen: 2.14 ng
RT: 10.08 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF120477.D
Acq: 1 Jun 2020 18:01

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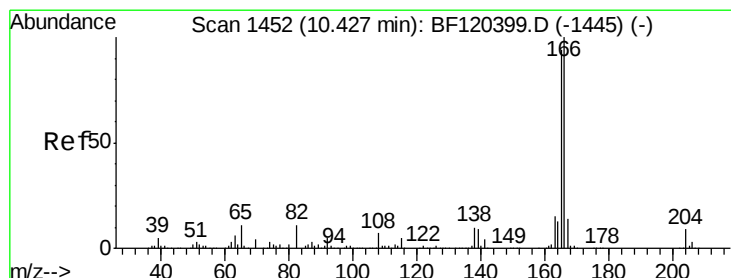
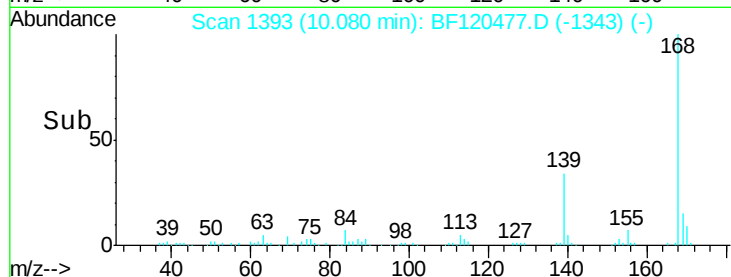
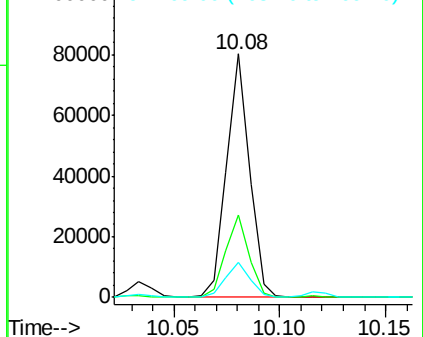
Tgt Ion	Ratio	Resp	Lower	Upper
168	100	59968		
139	34.0		30.0	45.0
169	14.6		11.5	17.3

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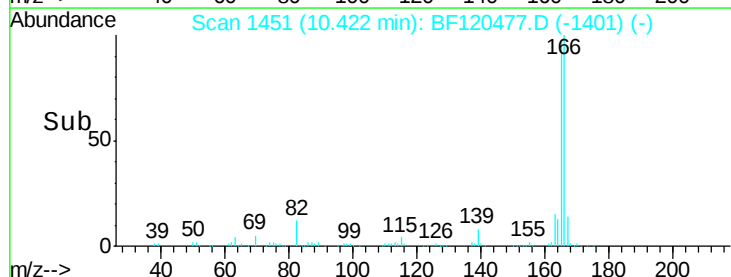
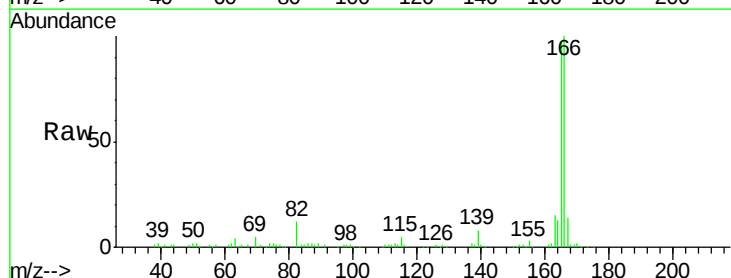
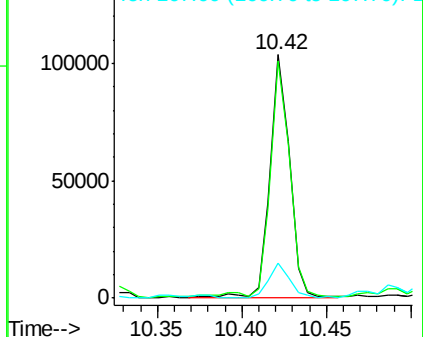
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

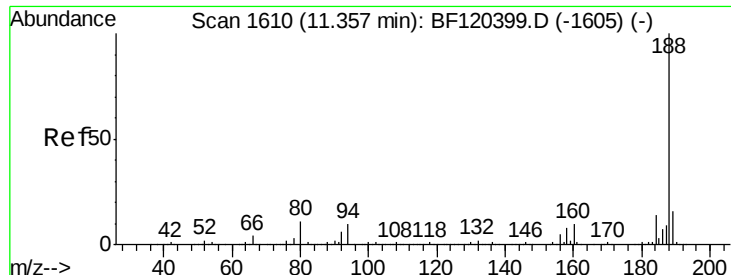


#58
Fluorene
Concen: 3.99 ng
RT: 10.42 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF120477.D
Acq: 1 Jun 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	84048		
165	97.4		75.6	113.4
167	14.4		10.9	16.3

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BF120477.D

Acq: 1 Jun 2020 18:01

Instrument :

BNA_F

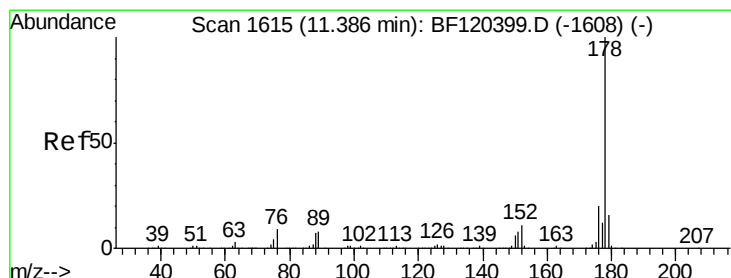
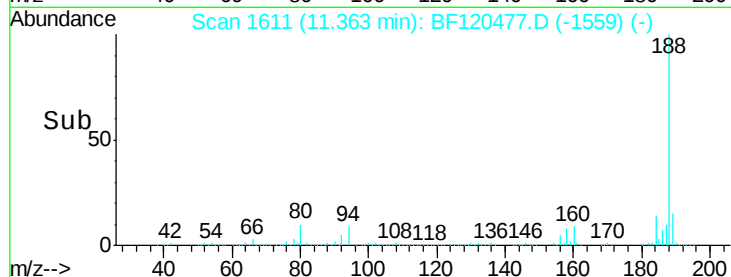
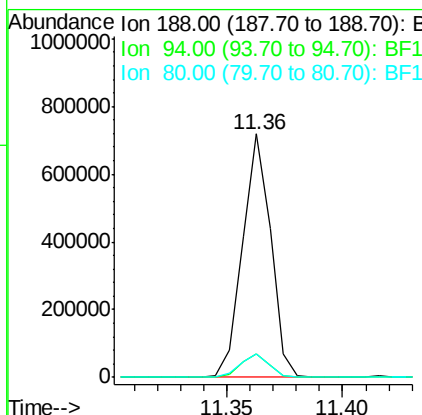
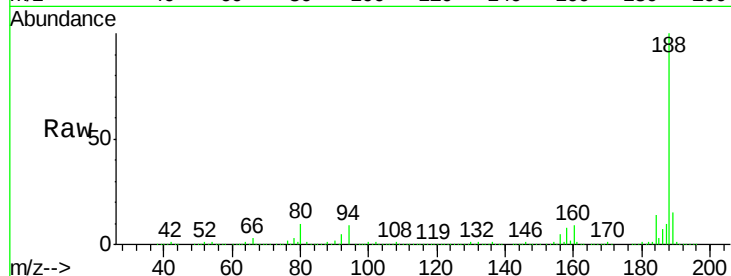
ClientSampleId :

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Tgt Ion:	188	Resp:	613778
Ion Ratio	Lower	Upper	
188	100		
94	9.5	7.9	11.9
80	9.5	8.6	13.0

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#71

Phenanthrene

Concen: 35.85 ng

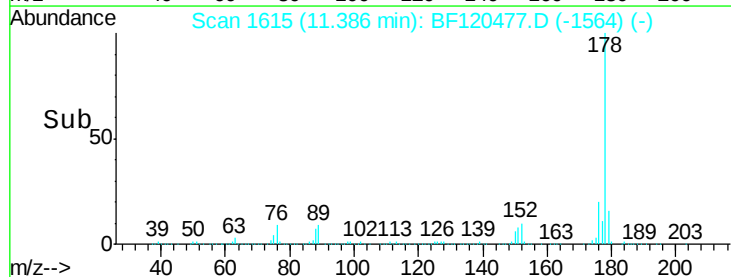
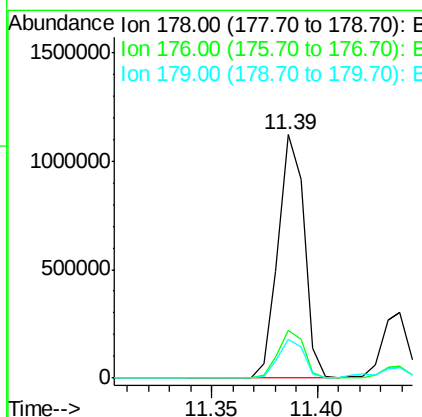
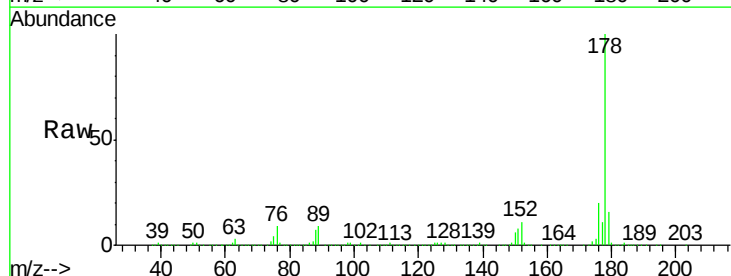
RT: 11.39 min Scan# 1615

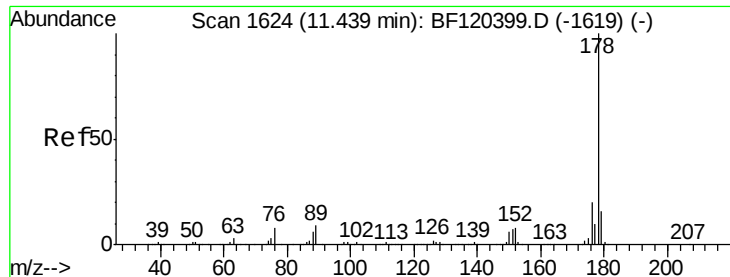
Delta R.T. -0.00 min

Lab File: BF120477.D

Acq: 1 Jun 2020 18:01

Tgt Ion:	178	Resp:	969513
Ion Ratio	Lower	Upper	
178	100		
176	19.9	16.4	24.6
179	16.0	13.0	19.4





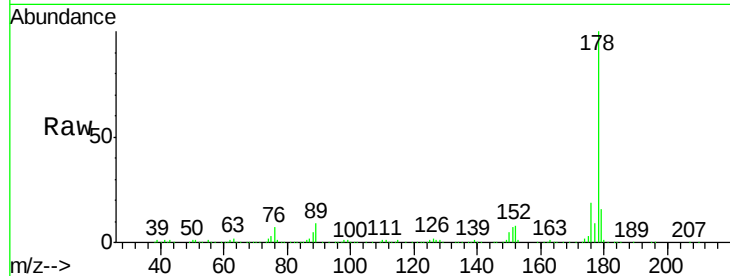
#72
 Anthracene
 Concen: 9.47 ng
 RT: 11.44 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BF120477.D
 Acq: 1 Jun 2020 18:01

Instrument :
 BNA_F
 ClientSampleId :
 NMDUP04-COMP-2020-0-6

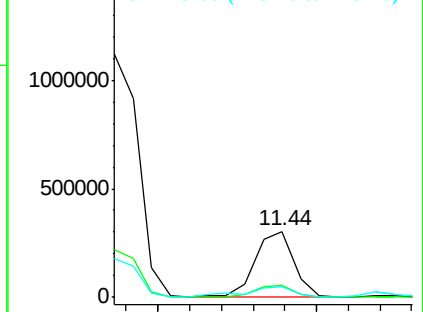
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	15.5	12.8	19.2

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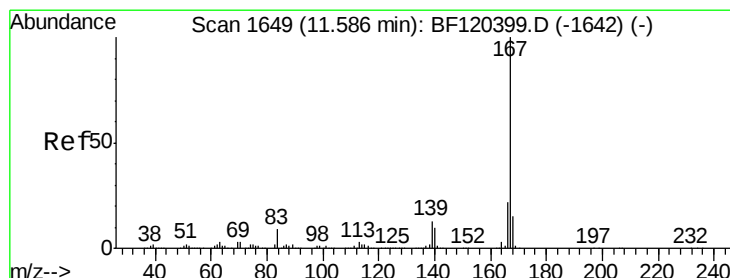
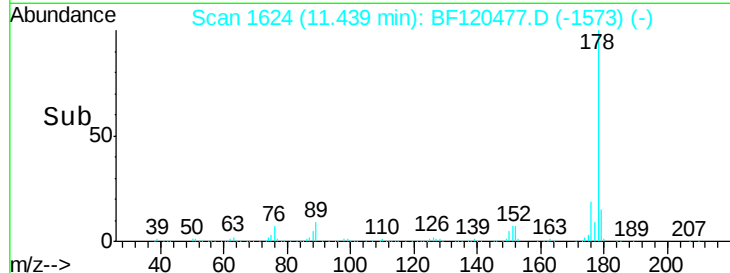
mohammad
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Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



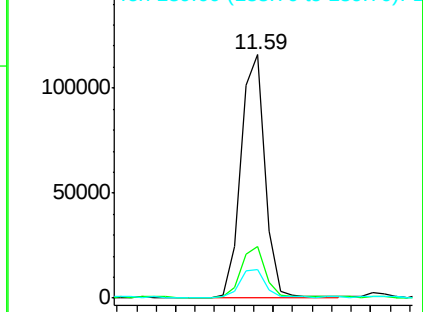
Time-->



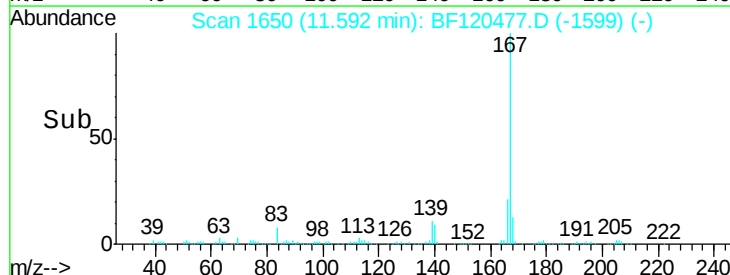
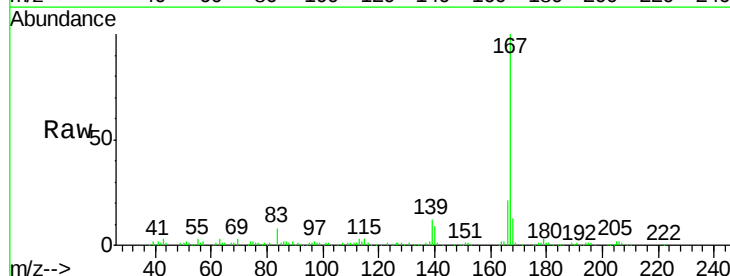
#73
 Carbazole
 Concen: 3.82 ng
 RT: 11.59 min Scan# 1650
 Delta R.T. -0.00 min
 Lab File: BF120477.D
 Acq: 1 Jun 2020 18:01

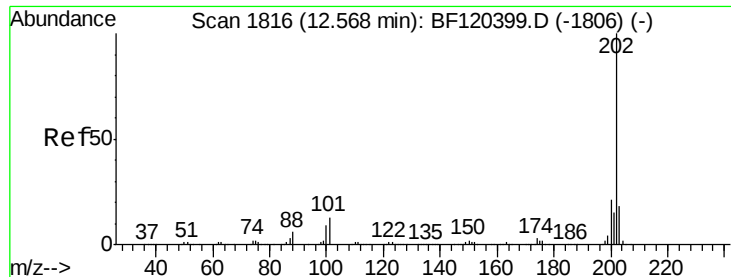
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.8	26.6
139	11.6	10.4	15.6

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



Time-->





#75

Fluoranthene

Concen: 44.90 ng

RT: 12.58 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF120477.D

Acq: 1 Jun 2020 18:01

Instrument :

BNA_F

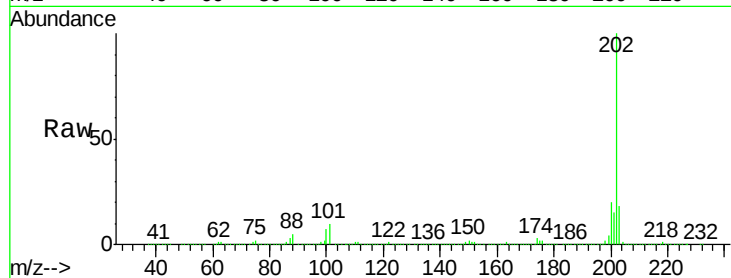
ClientSampleId :

NMDUP04-COMP-2020-0-6

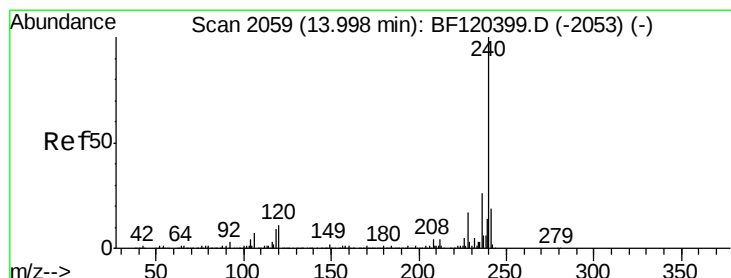
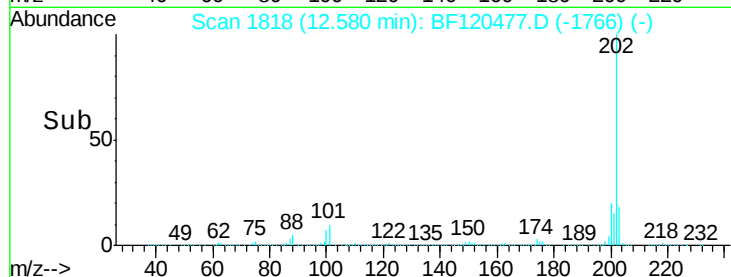
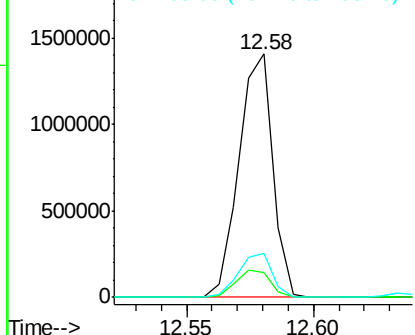
Tgt Ion:	202	Resp:	1306659
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	32.6
203	18.0	0.0	38.4

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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: 20.00 ng

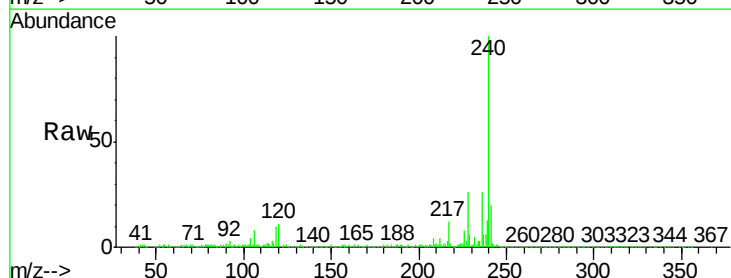
RT: 14.00 min Scan# 2060

Delta R.T. 0.01 min

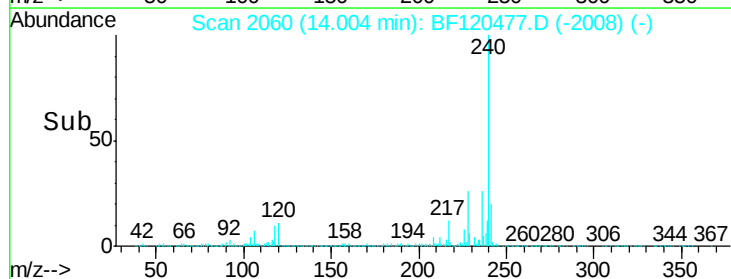
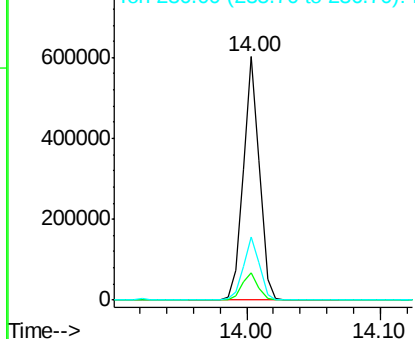
Lab File: BF120477.D

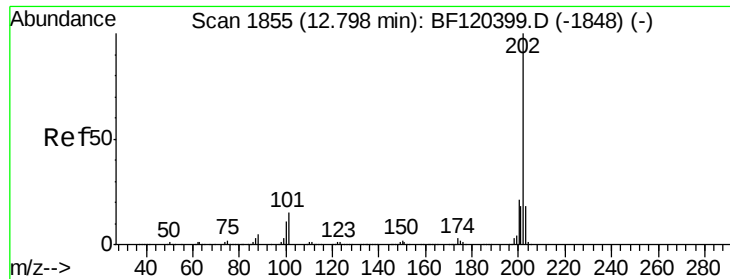
Acq: 1 Jun 2020 18:01

Tgt Ion:	240	Resp:	499019
Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.8	13.2
236	25.8	21.0	31.4



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





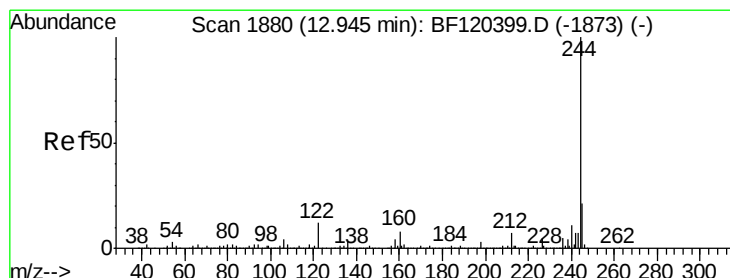
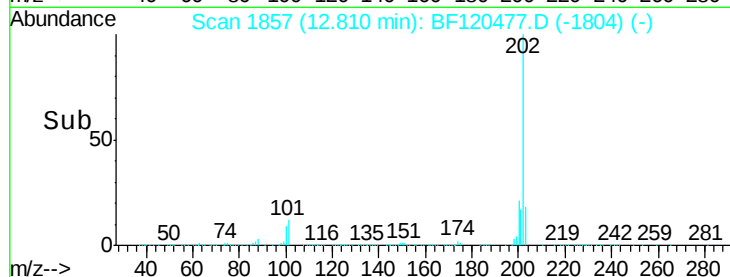
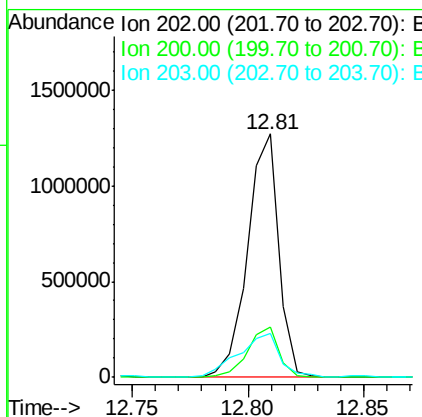
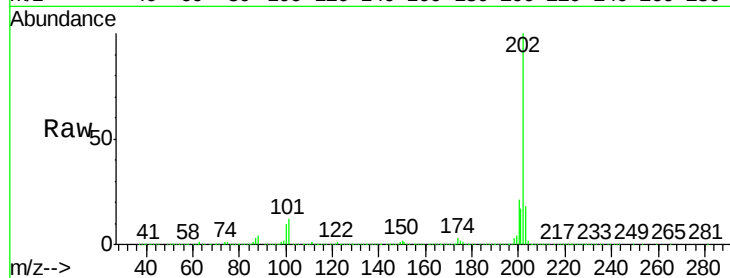
#78
 Pyrene
 Concen: 34.64 ng
 RT: 12.81 min Scan# 1857
 Delta R.T. 0.01 min
 Lab File: BF120477.D
 Acq: 1 Jun 2020 18:01

Instrument :
 BNA_F
 ClientSampleId :
 NMDUP04-COMP-2020-0-6

Tgt Ion: 202 Resp: 1202290
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.0 25.4
 203 18.3 14.7 22.1

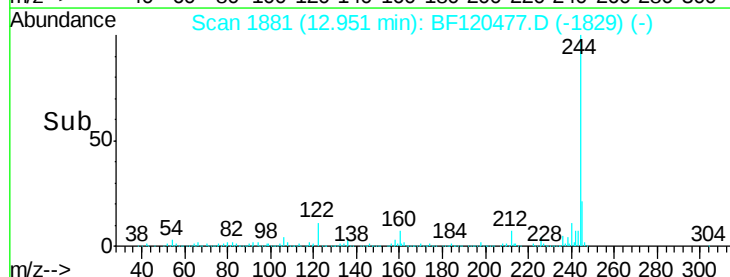
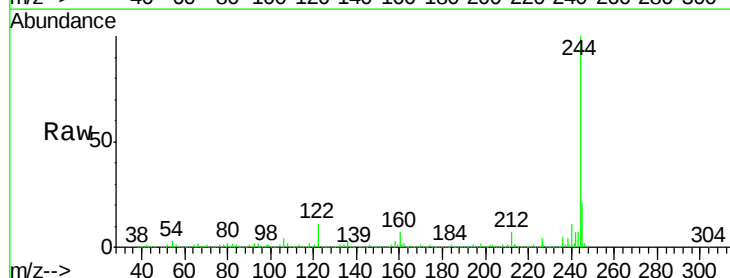
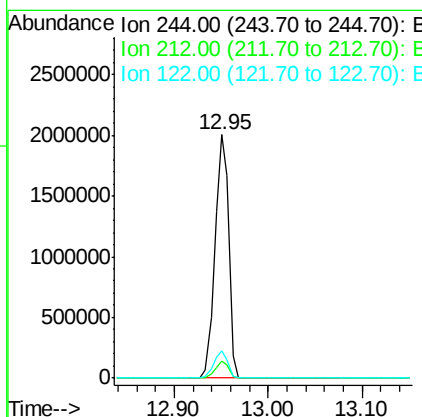
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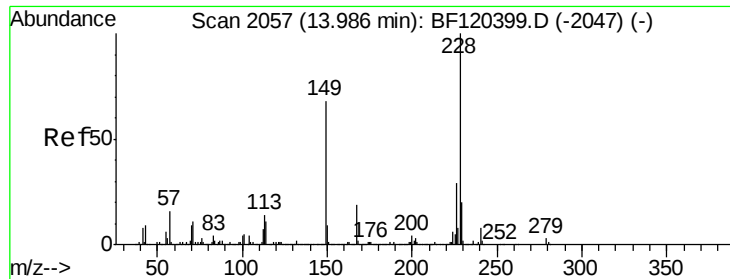
mohammad
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#79
 Terphenyl-d14
 Concen: 91.80 ng
 RT: 12.95 min Scan# 1881
 Delta R.T. 0.01 min
 Lab File: BF120477.D
 Acq: 1 Jun 2020 18:01

Tgt Ion: 244 Resp: 2058575
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 11.3 9.2 13.8





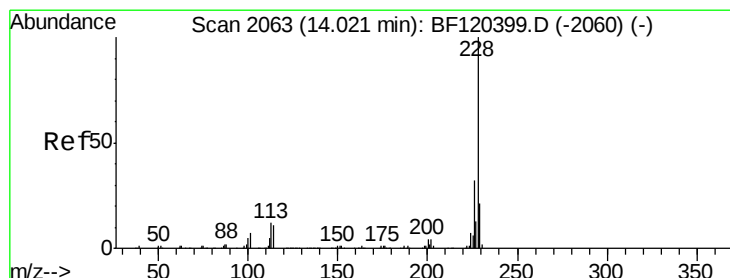
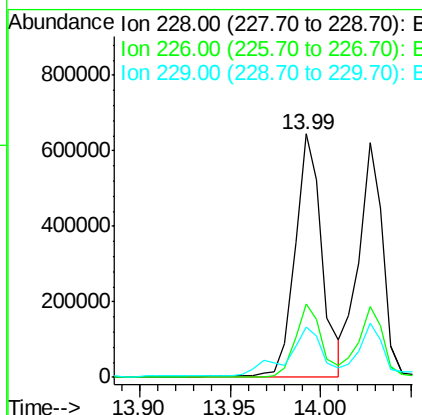
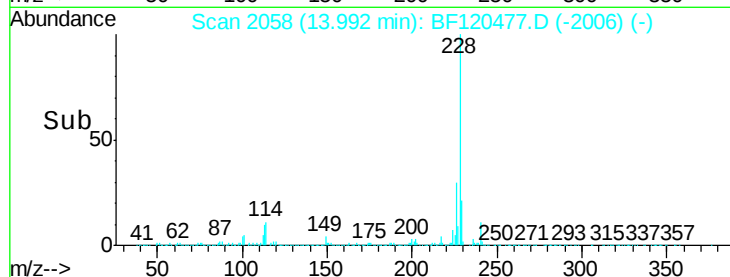
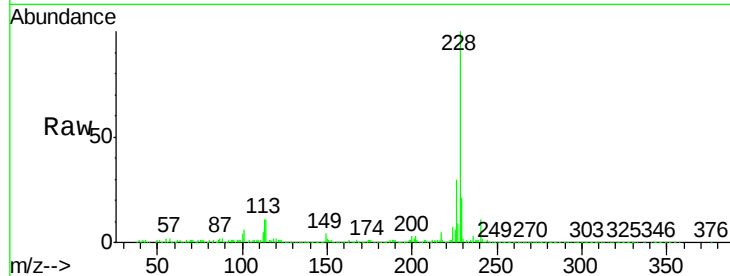
#81
Benzo(a)anthracene
Concen: 25.10 ng
RT: 13.99 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BF120477.D
Acq: 1 Jun 2020 18:01

Instrument :
BNA_F
ClientSampleId :
NMDUP04-COMP-2020-0-6

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.0	34.4
229	20.8	16.2	24.4

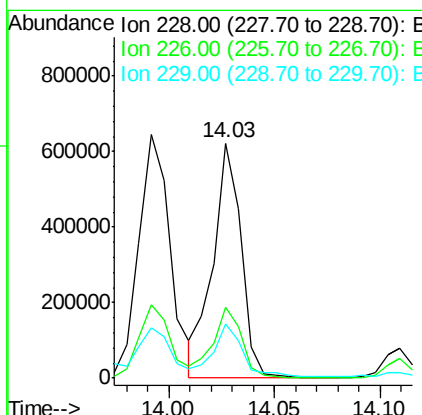
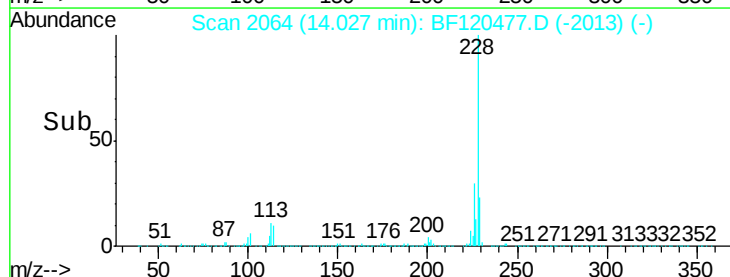
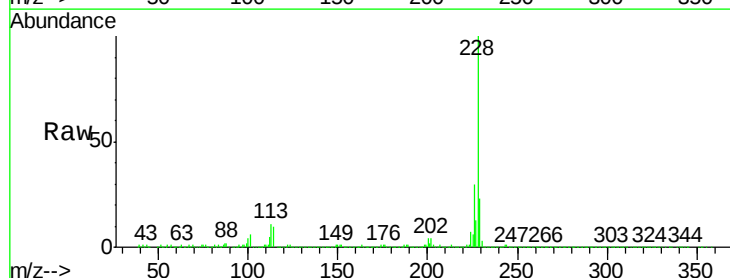
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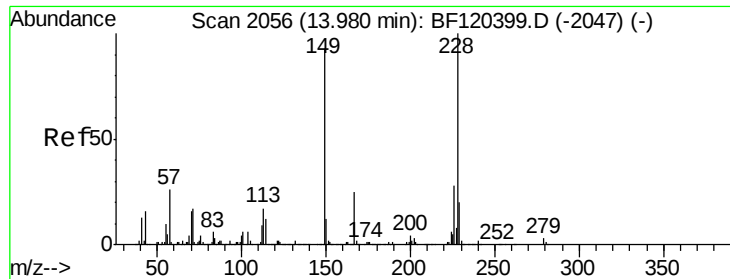
mohammad
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#83
Chrysene
Concen: 20.51 ng
RT: 14.03 min Scan# 2064
Delta R.T. -0.00 min
Lab File: BF120477.D
Acq: 1 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.6	38.4
229	22.9	16.6	25.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.08 ng

RT: 13.99 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BF120477.D

Acq: 1 Jun 2020 18:01

Instrument :

BNA_F

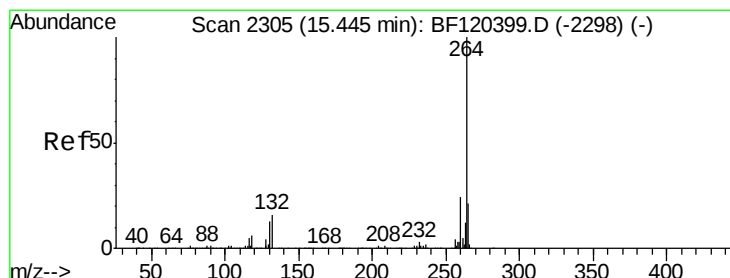
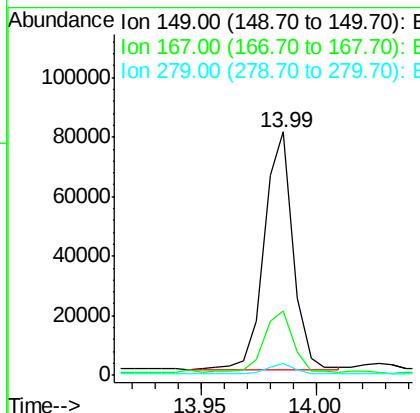
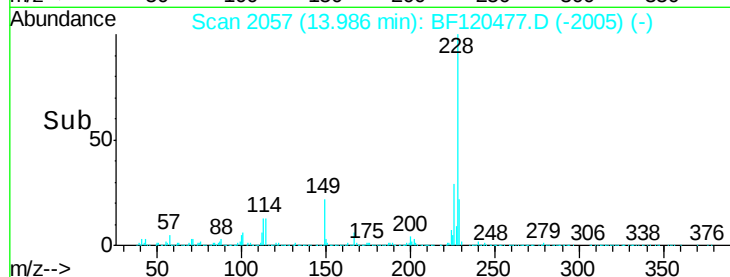
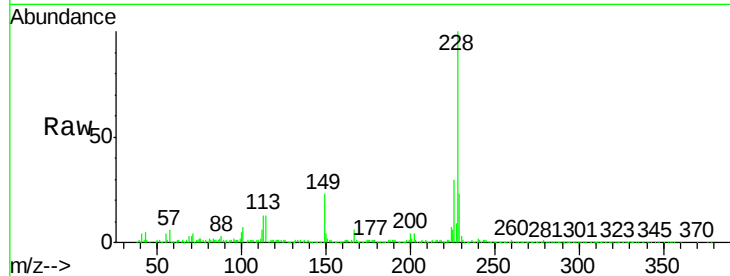
ClientSampleId :

NMDUP04-COMP-2020-0-6

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	69316		
167	26.3	21.7	32.5	
279	5.0	2.9	4.3#	

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#86

Perylene-d12

Concen: 20.00 ng

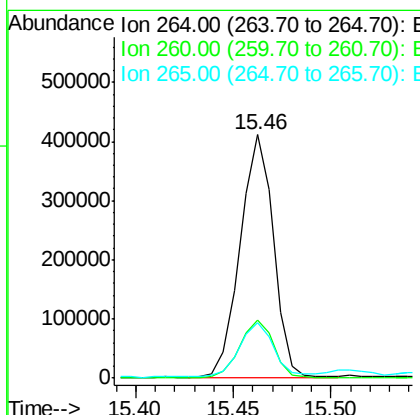
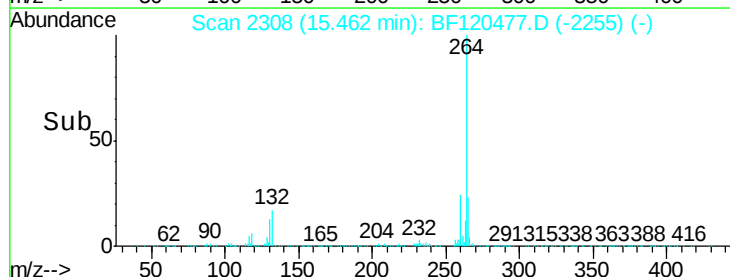
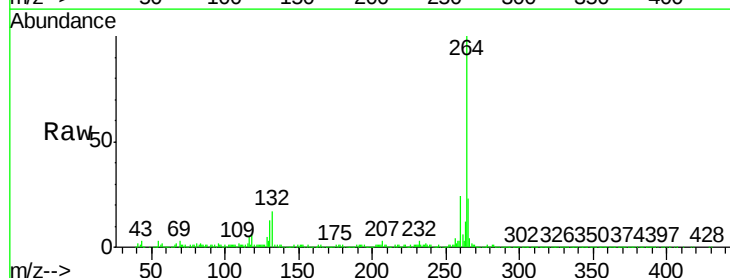
RT: 15.46 min Scan# 2308

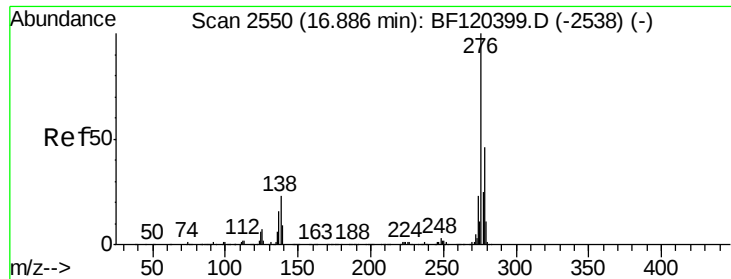
Delta R.T. 0.01 min

Lab File: BF120477.D

Acq: 1 Jun 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	484265		
260	24.0	19.2	28.8	
265	22.9	16.9	25.3	





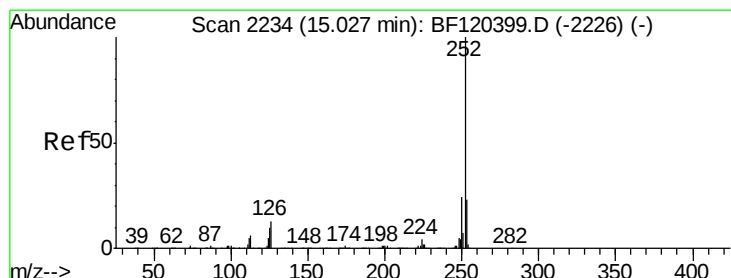
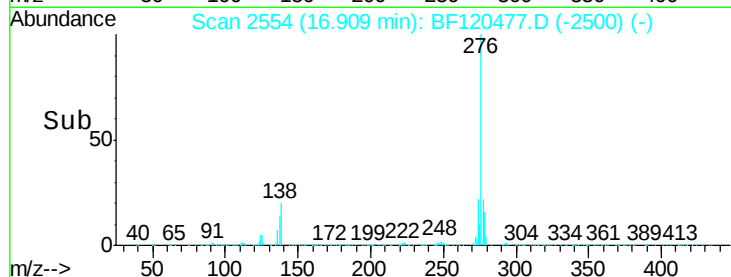
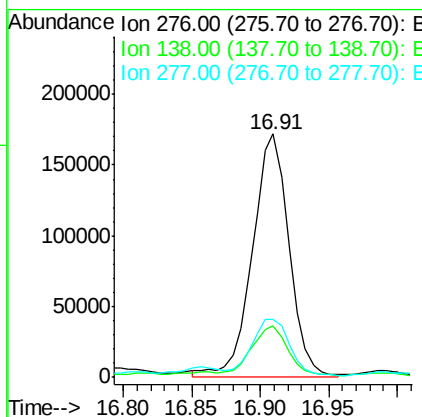
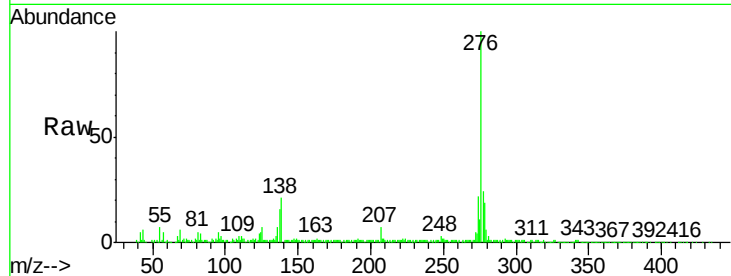
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 12.10 ng m
 RT: 16.91 min Scan# 2554
 Delta R.T. 0.02 min
 Lab File: BF120477.D
 Acq: 1 Jun 2020 18:01

Instrument :
 BNA_F
 ClientSampleId :
 NMDUP04-COMP-2020-0-6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	4.1	20.4	30.6#
277	4.6	20.4	30.6#

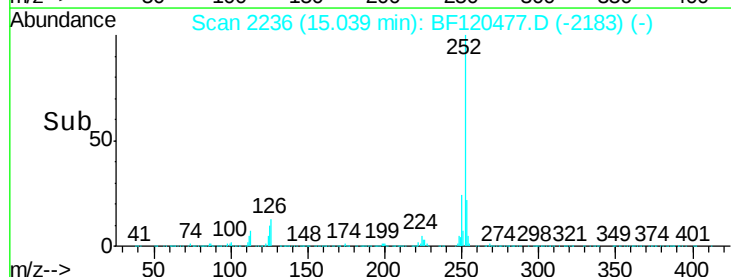
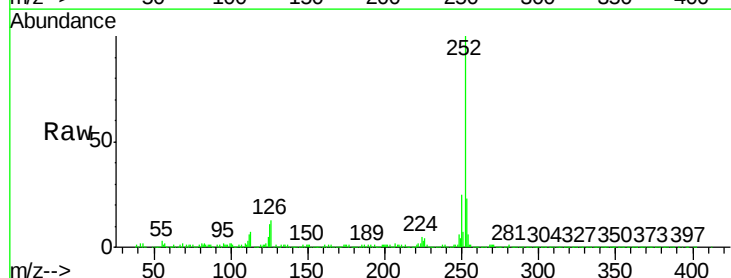
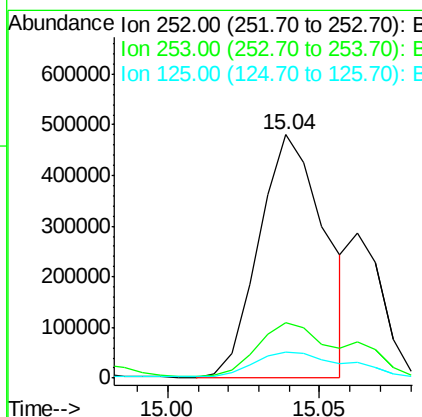
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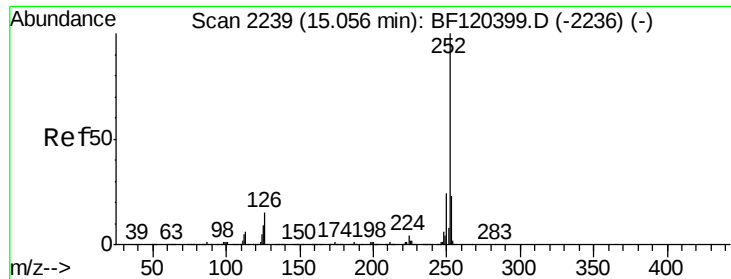
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 26.95 ng m
 RT: 15.04 min Scan# 2236
 Delta R.T. 0.01 min
 Lab File: BF120477.D
 Acq: 1 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	10.9	7.8	11.8





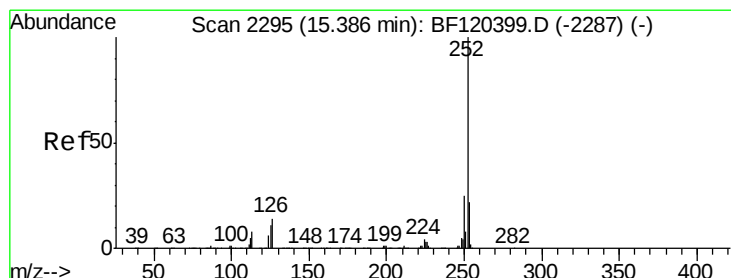
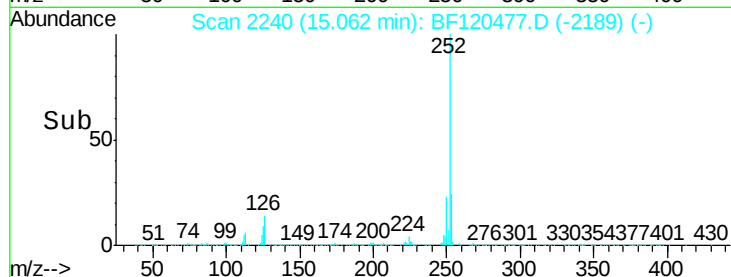
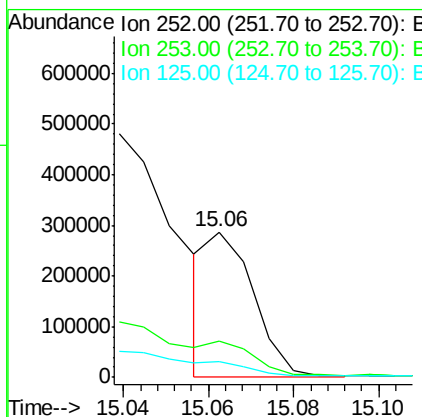
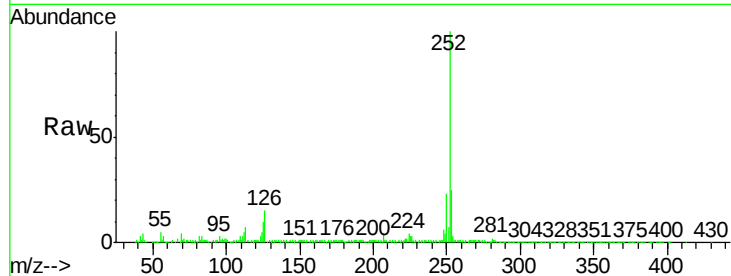
#89
Benzo(k)fluoranthene
Concen: 8.63 ng m
RT: 15.06 min Scan# 2240
Delta R.T. -0.00 min
Lab File: BF120477.D
Acq: 1 Jun 2020 18:01

Instrument :
BNA_F
ClientSampleId :
NMDUP04-COMP-2020-0-6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.5	27.7
125	10.4	8.0	12.0

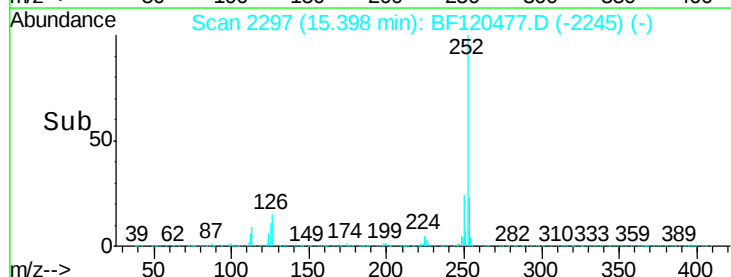
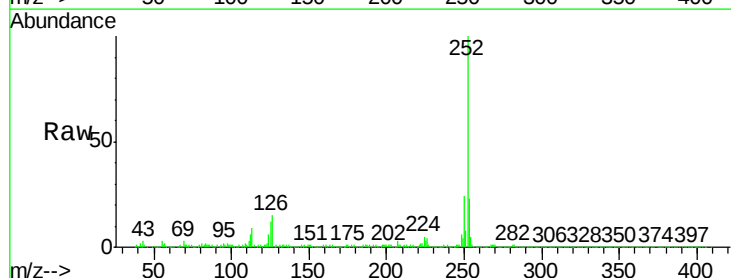
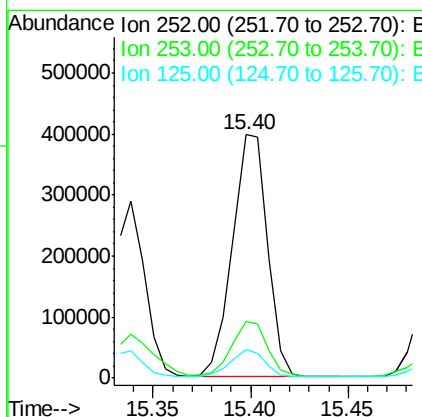
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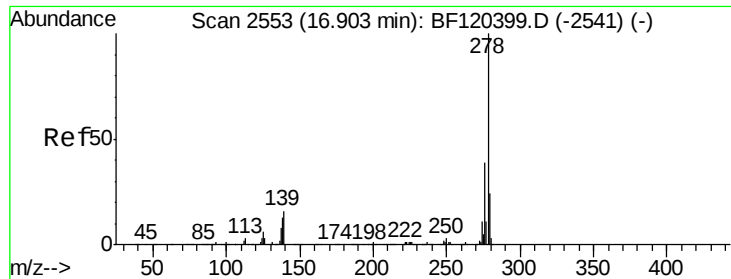
mohammad
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#90
Benzo(a)pyrene
Concen: 21.07 ng
RT: 15.40 min Scan# 2297
Delta R.T. 0.01 min
Lab File: BF120477.D
Acq: 1 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	11.7	8.7	13.1





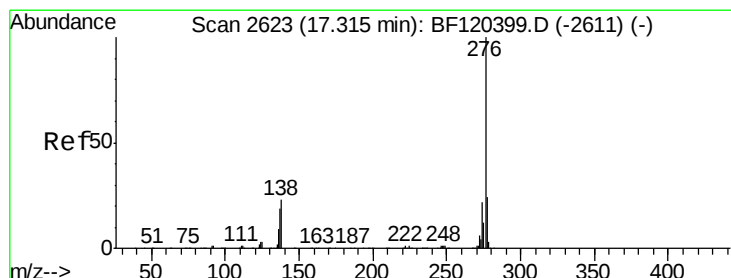
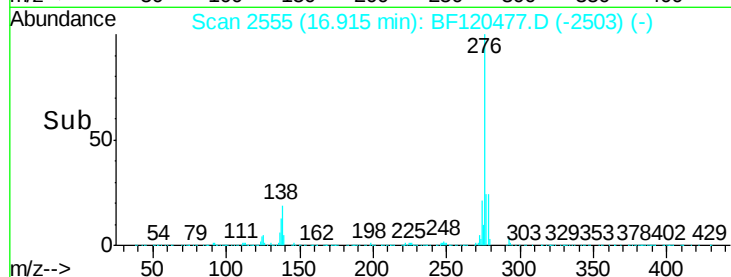
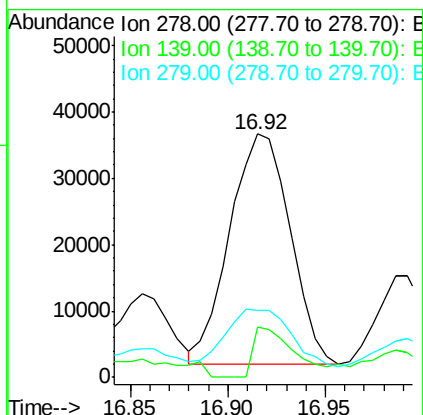
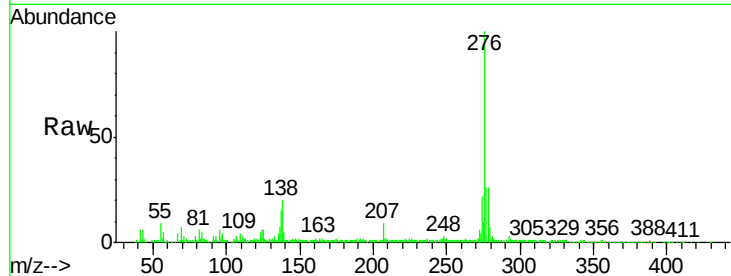
#91
Dibenzo(a,h)anthracene
Concen: 3.44 ng
RT: 16.92 min Scan# 2555
Delta R.T. 0.01 min
Lab File: BF120477.D
Acq: 1 Jun 2020 18:01

Instrument :
BNA_F
ClientSampleId :
NMDUP04-COMP-2020-0-6

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.5	12.8	19.2#
279	27.6	19.0	28.4

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 13.84 ng
RT: 17.35 min Scan# 2629
Delta R.T. 0.02 min
Lab File: BF120477.D
Acq: 1 Jun 2020 18:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.5	29.3
138	21.2	18.1	27.1

