

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120658.D
 Acq On : 18 Jun 2020 22:50
 Operator : JU/CG
 Sample : L2817-06
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-061720

Manual Integrations
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 6/19/2020 12:58:22 PM

Quant Time: Jun 19 02:10:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	161895	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	580304	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	274372	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	504025	20.00	ng	0.00
76) Chrysene-d12	13.97	240	395724	20.00	ng	0.00
86) Perylene-d12	15.41	264	315406	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	929763	98.46	ng	0.00
7) Phenol-d6	6.45	99	1125279	95.68	ng	0.00
23) Nitrobenzene-d5	7.37	82	677951	65.30	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	296087	92.82	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1316820	73.43	ng	0.00
79) Terphenyl-d14	12.92	244	1386710	77.40	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.55	163	126113	6.382	ng	99
71) Phenanthrene	11.35	178	67665	2.701	ng	99
75) Fluoranthene	12.54	202	166261	5.804	ng	99
78) Pyrene	12.77	202	162780	5.807	ng	98
81) Benzo(a)anthracene	13.96	228	73007	3.071	ng	93
83) Chrysene	13.99	228	75872	3.111	ng	95
88) Benzo(b)fluoranthene	14.99	252	83047m	4.420	ng	
90) Benzo(a)pyrene	15.34	252	54172	3.222	ng	# 87

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

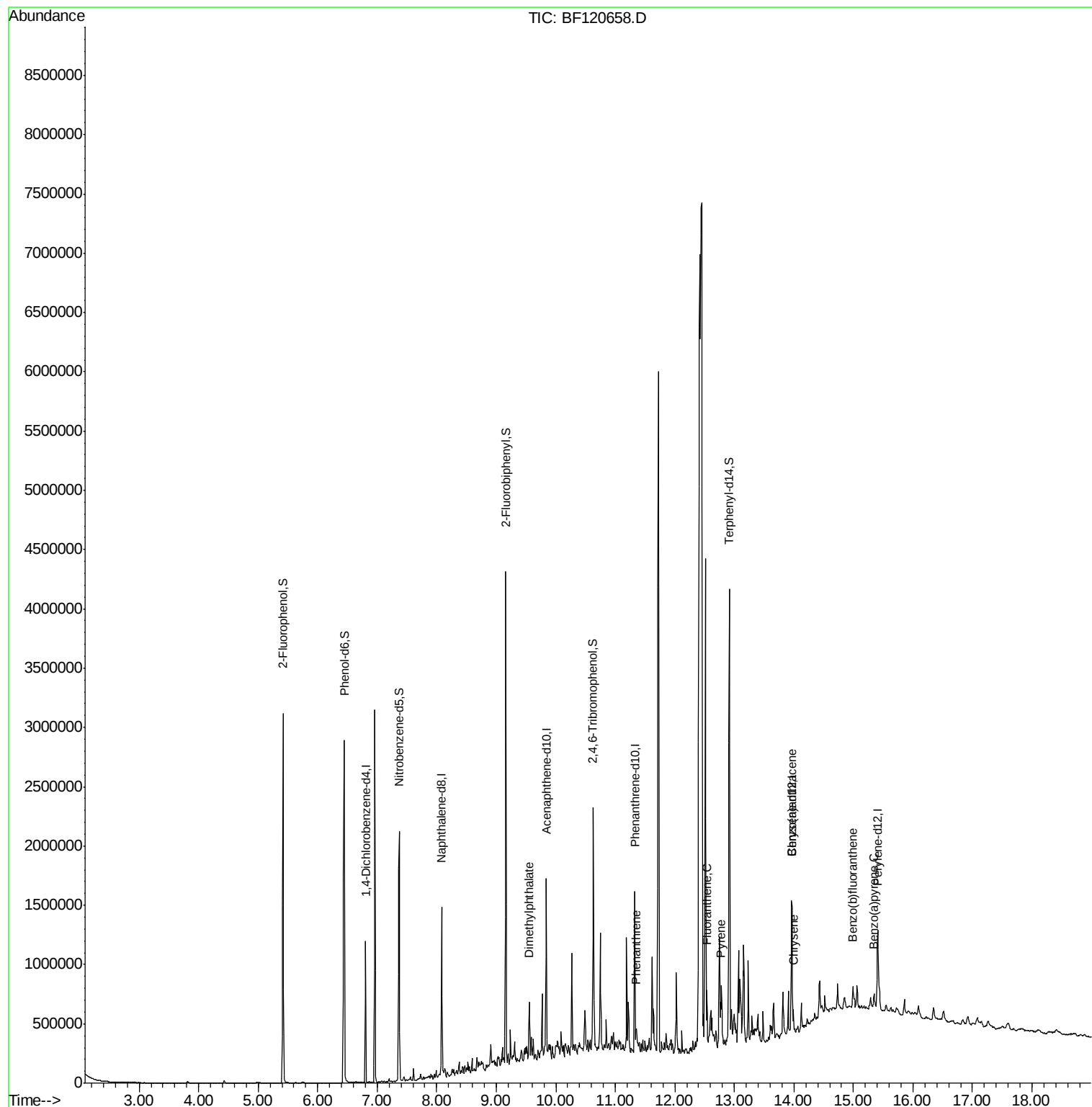
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
Data File : BF120658.D
Acq On : 18 Jun 2020 22:50
Operator : JU/CG
Sample : L2817-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

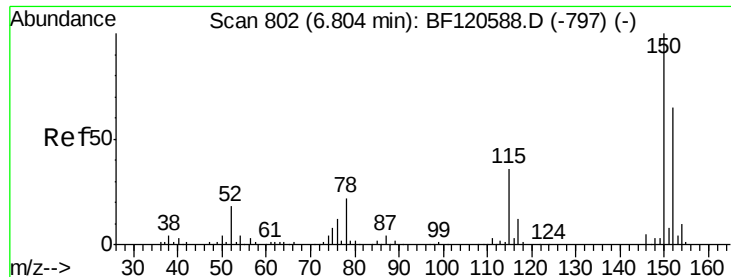
Instrument :
BNA_F
ClientSampleId :
SU-04-061720

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Quant Time: Jun 19 02:10:46 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

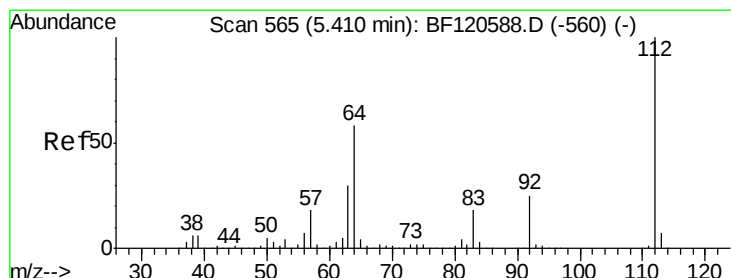
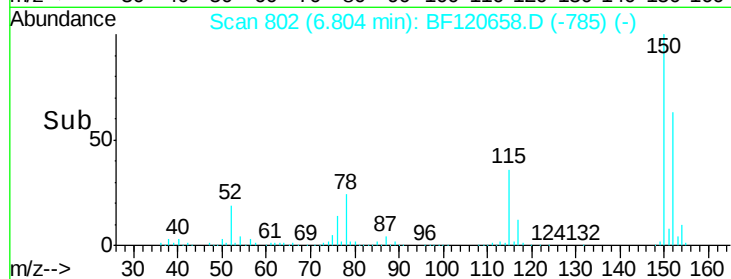
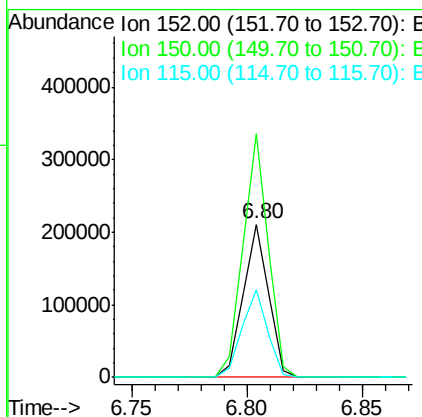
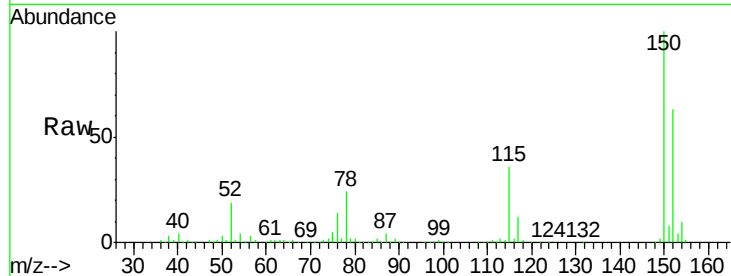
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF120658.D
Acq: 18 Jun 2020 22:50

Instrument :
BNA_F
ClientSampleId :
SU-04-061720

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	123.2	184.8
115	57.3	43.9	65.9

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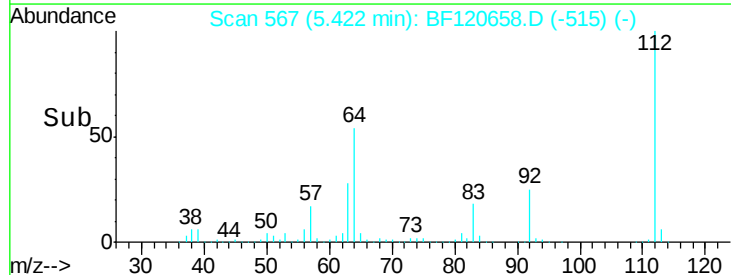
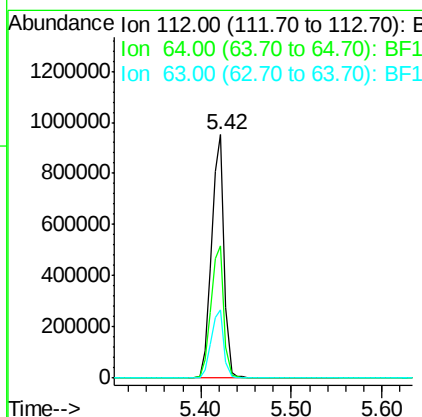
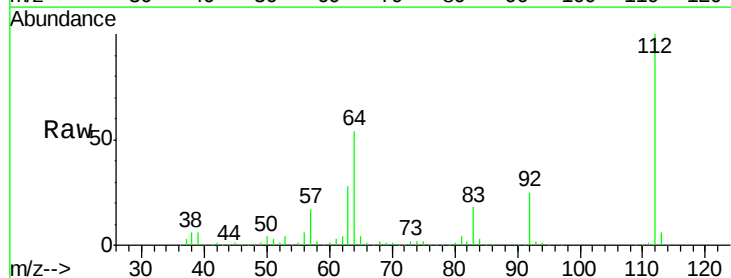
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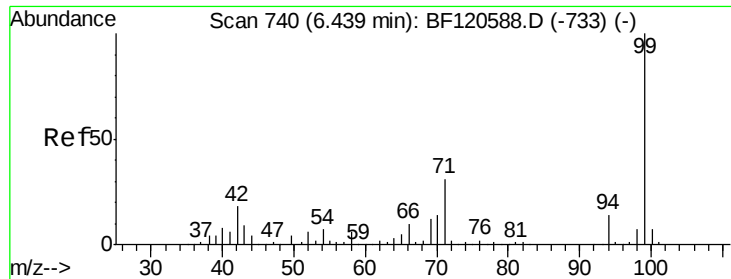


#5

2-Fluorophenol
Concen: 98.461 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF120658.D
Acq: 18 Jun 2020 22:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	46.1	69.1
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 95.677 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF120658.D

Acq: 18 Jun 2020 22:50

Instrument :

BNA_F

ClientSampleId :

SU-04-061720

Tot Ion: 99 Resp: 1125279

Ion Ratio Lower Upper

99 100

42 17.9 14.0 21.0

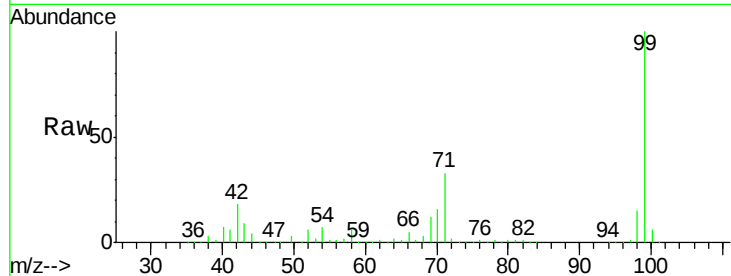
71 32.7 24.9 37.3

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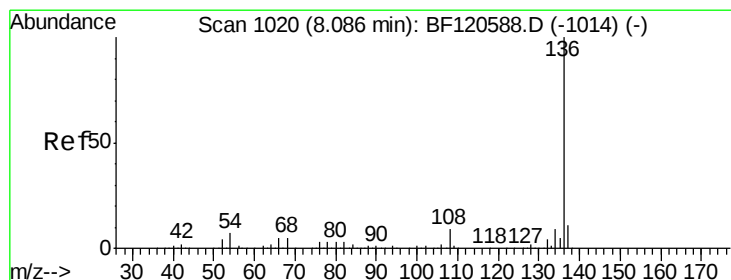
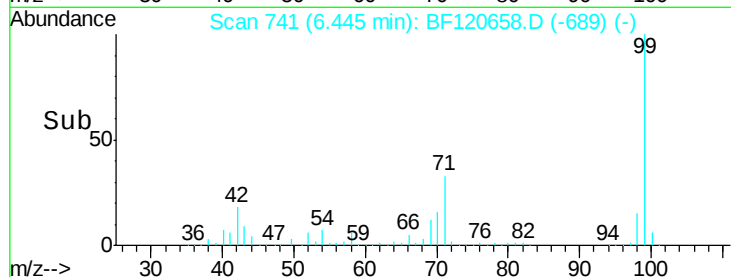
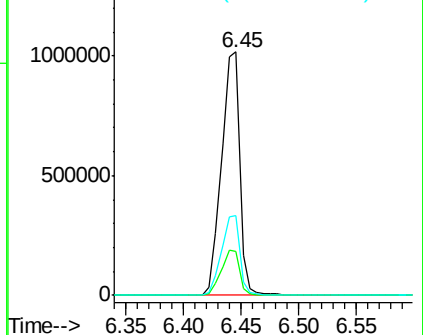
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF120658.D

Acq: 18 Jun 2020 22:50

Tgt Ion: 136 Resp: 580304

Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 7.5 5.8 8.6

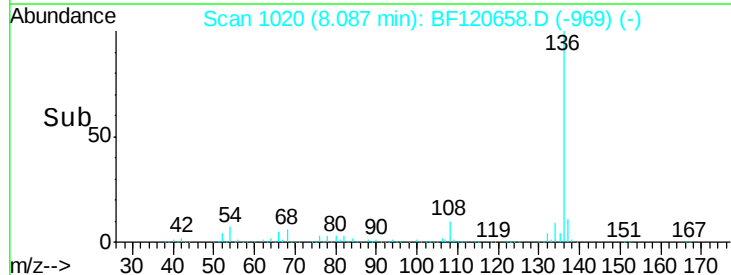
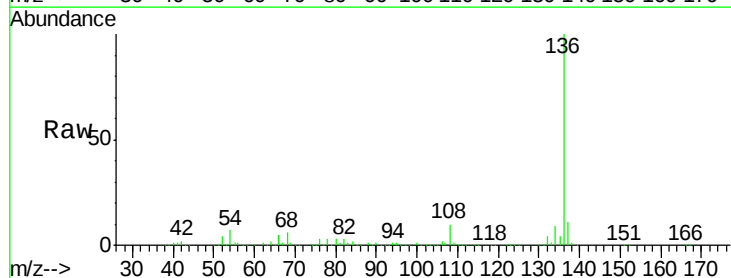
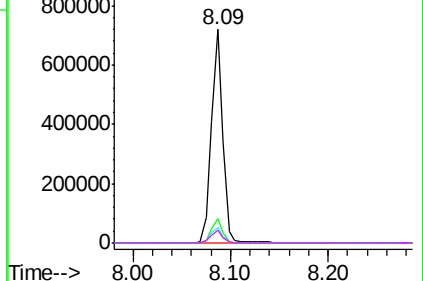
68 6.1 4.4 6.6

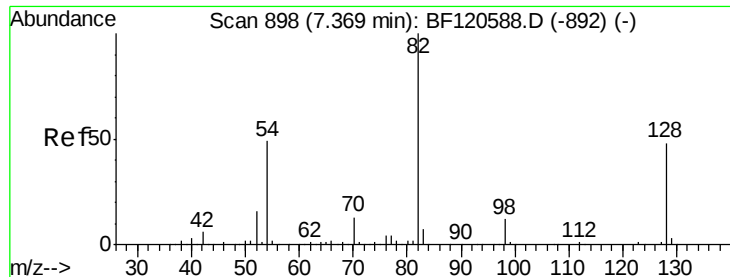
Abundance Ion 136.00 (135.70 to 136.70): E

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





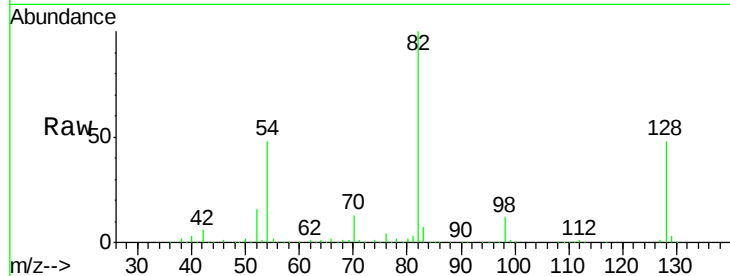
#23
Nitrobenzene-d5
Concen: 65.302 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF120658.D
Acq: 18 Jun 2020 22:50

Instrument :
BNA_F
ClientSampleId :
SU-04-061720

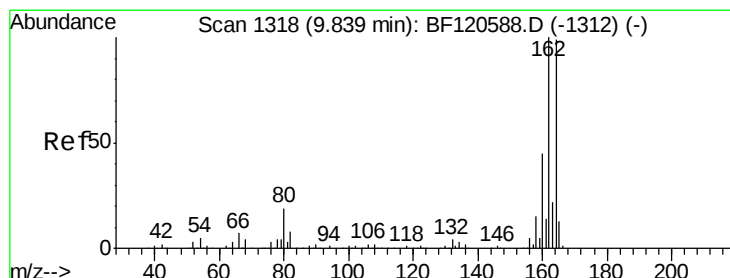
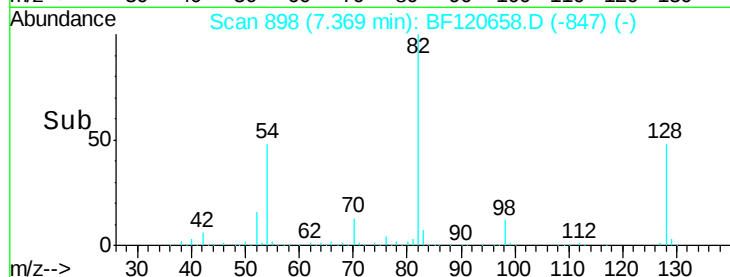
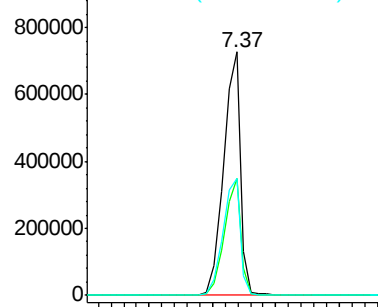
Tot Ion	82	Resp	677951
Ion Ratio	Lower	Upper	
82	100		
128	48.0	38.0	57.0
54	48.2	38.8	58.2

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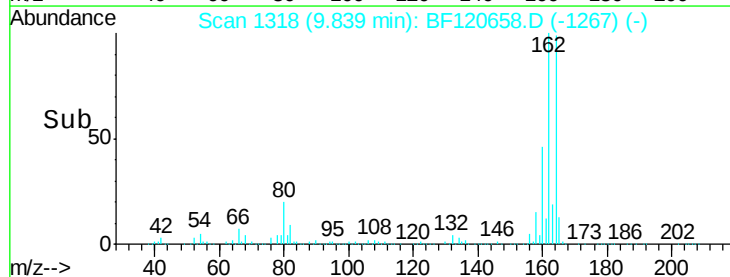
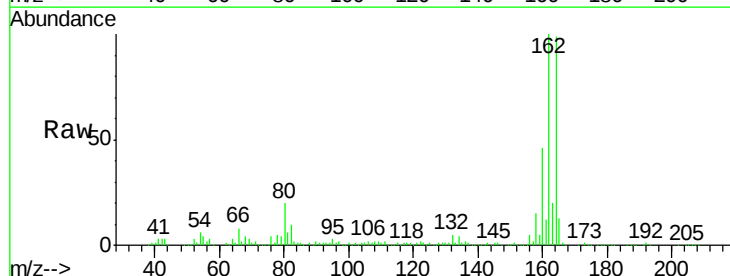
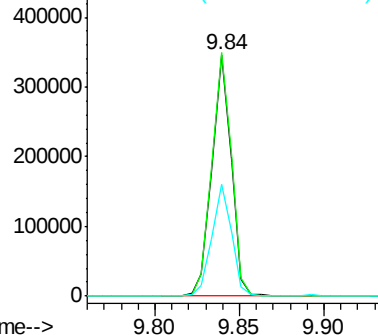
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

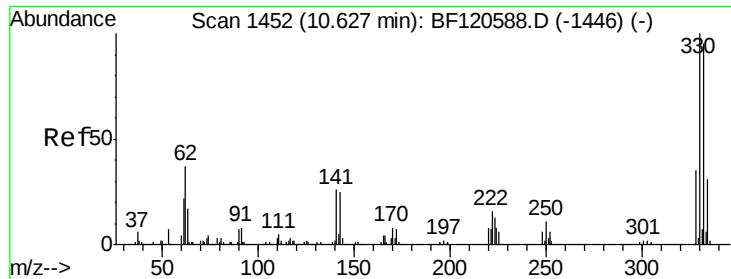


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF120658.D
Acq: 18 Jun 2020 22:50

Tgt Ion	164	Resp	274372
Ion Ratio	Lower	Upper	
164	100		
162	100.9	80.6	120.8
160	46.3	36.2	54.2

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: 92.819 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BF120658.D

Acq: 18 Jun 2020 22:50

Instrument :

BNA_F

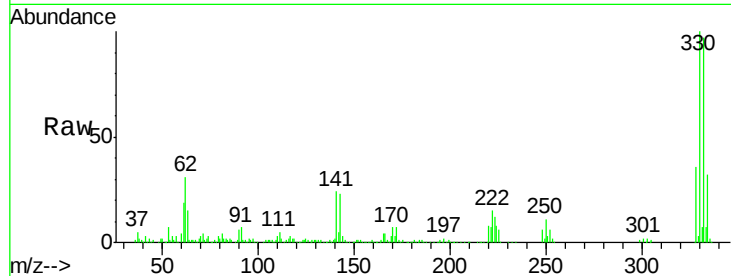
ClientSampleId :

SU-04-061720

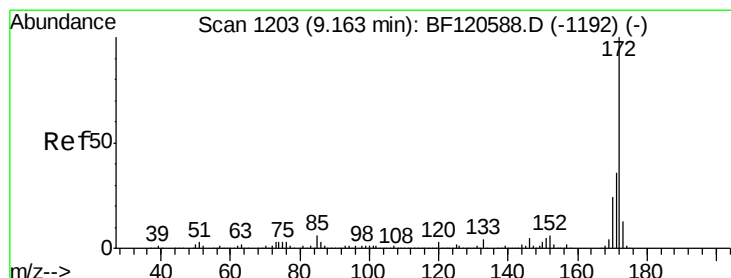
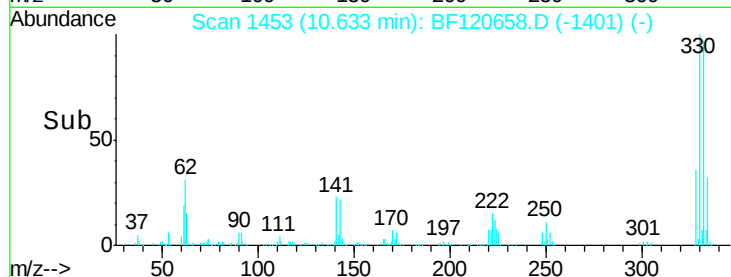
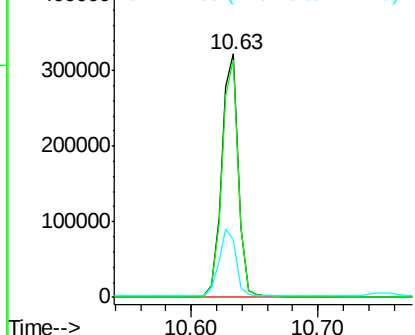
Tot Ion:	330	Resp:	296087
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.8	115.2
141	28.8	23.2	34.8

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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: 73.430 ng

RT: 9.16 min Scan# 1203

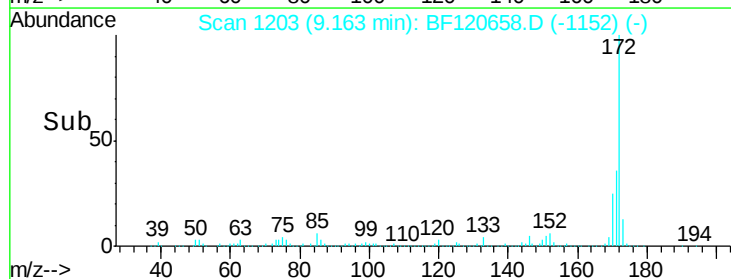
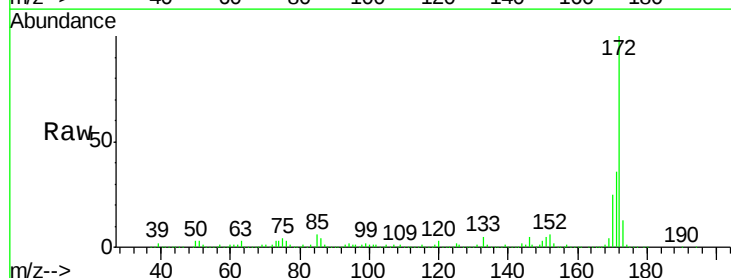
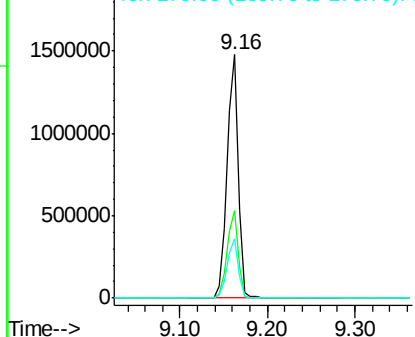
Delta R.T. 0.00 min

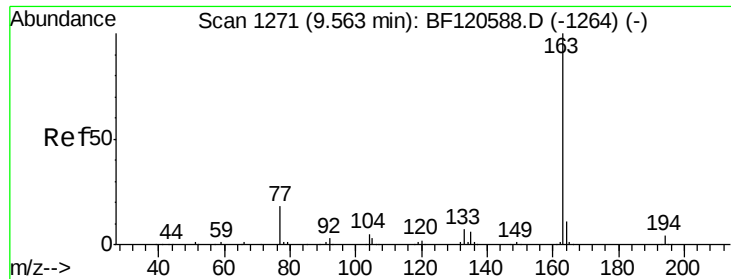
Lab File: BF120658.D

Acq: 18 Jun 2020 22:50

Tgt Ion:	172	Resp:	1316820
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.0	43.4
170	24.6	19.4	29.2

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





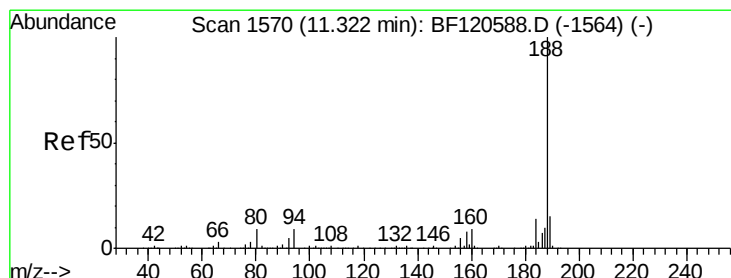
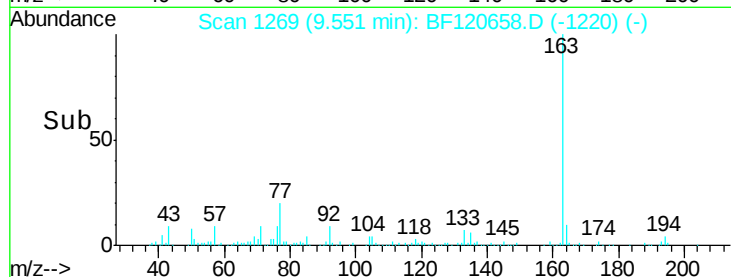
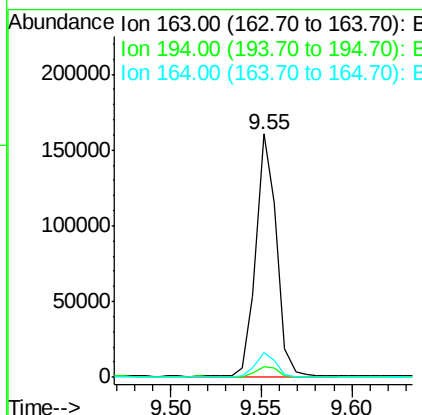
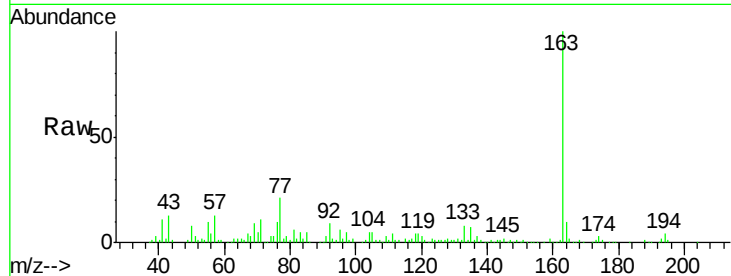
#50
Dimethylphthalate
Concen: 6.382 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF120658.D
Acq: 18 Jun 2020 22:50

Instrument :
BNA_F
ClientSampleId :
SU-04-061720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		126113		
194	4.4		3.1	4.7	
164	10.1		8.5	12.7	

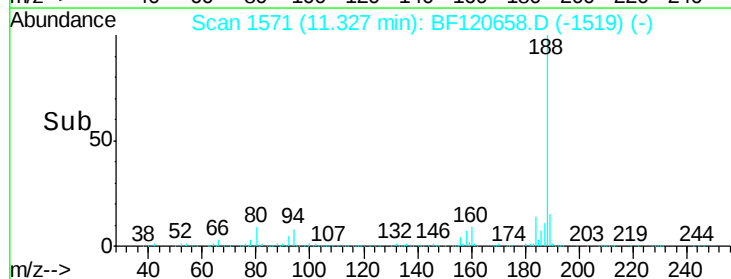
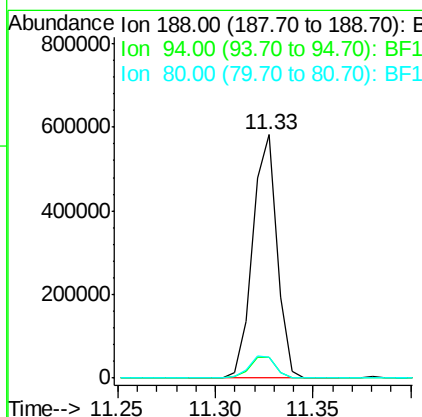
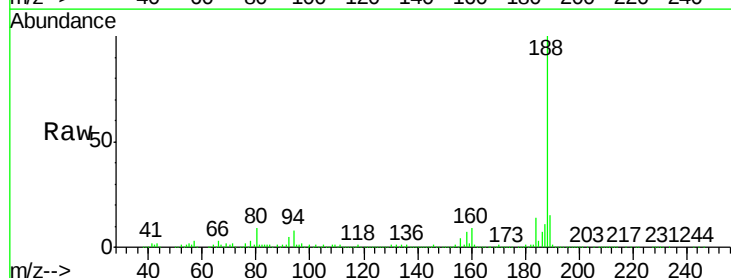
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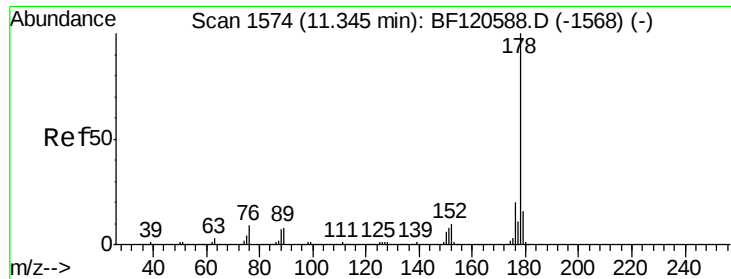
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF120658.D
Acq: 18 Jun 2020 22:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		504025		
94	8.4		7.2	10.8	
80	8.7		7.4	11.2	





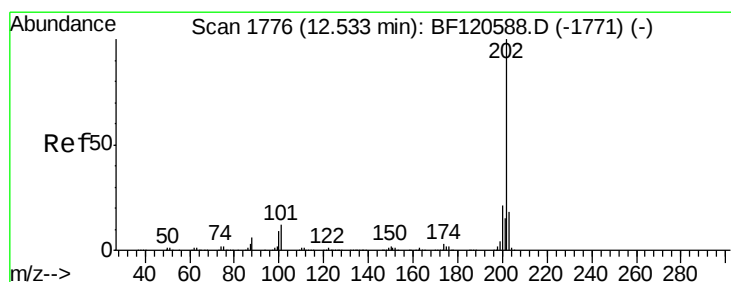
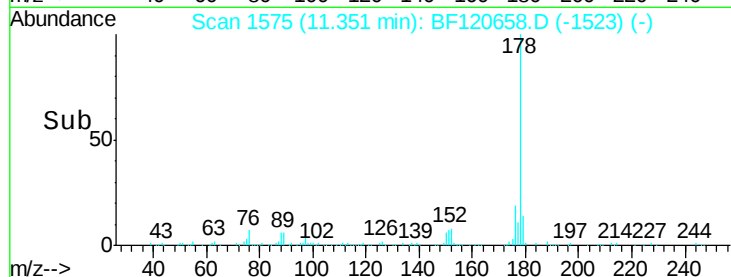
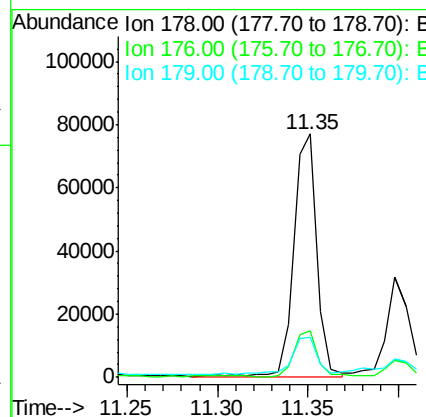
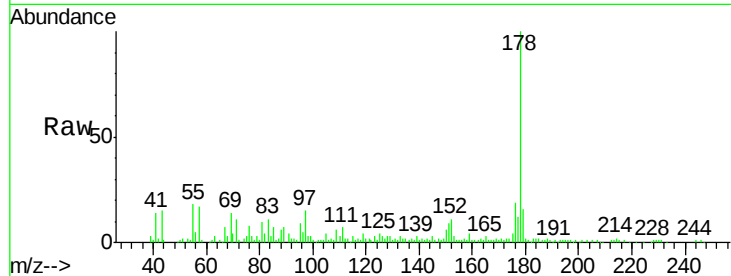
#71
Phenanthrene
Concen: 2.701 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF120658.D
Acq: 18 Jun 2020 22:50

Instrument :
BNA_F
ClientSampleId :
SU-04-061720

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.9	23.9
179	16.3	12.8	19.2

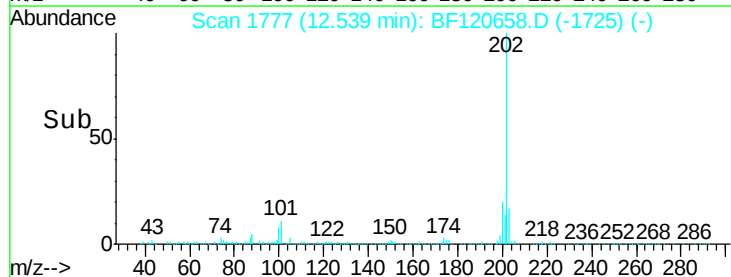
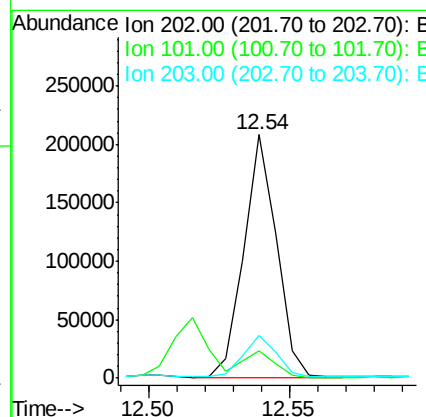
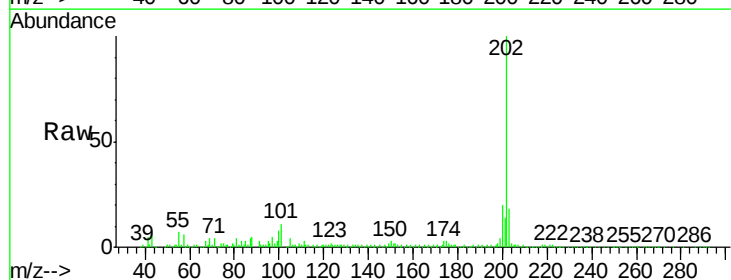
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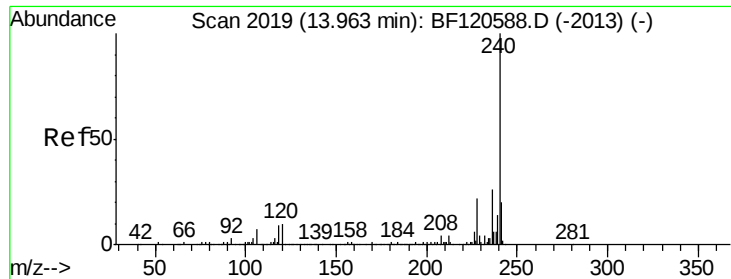
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#75
Fluoranthene
Concen: 5.804 ng
RT: 12.54 min Scan# 1777
Delta R.T. 0.01 min
Lab File: BF120658.D
Acq: 18 Jun 2020 22:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	32.0
203	17.7	0.0	38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF120658.D

Acq: 18 Jun 2020 22:50

Instrument :

BNA_F

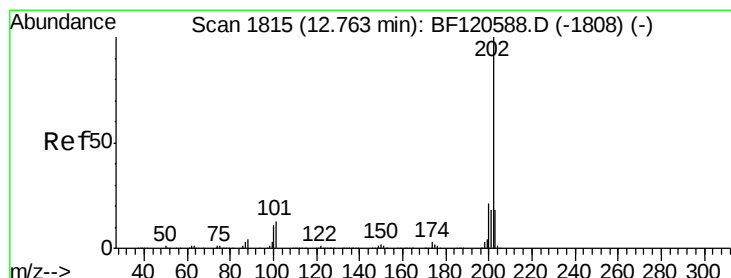
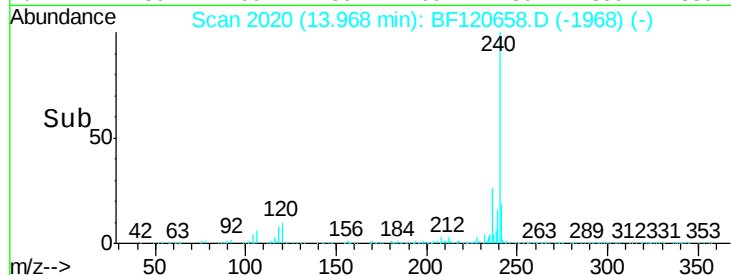
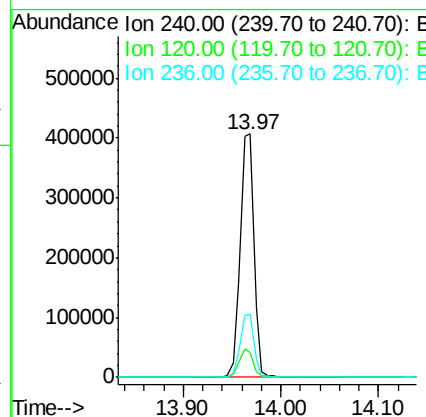
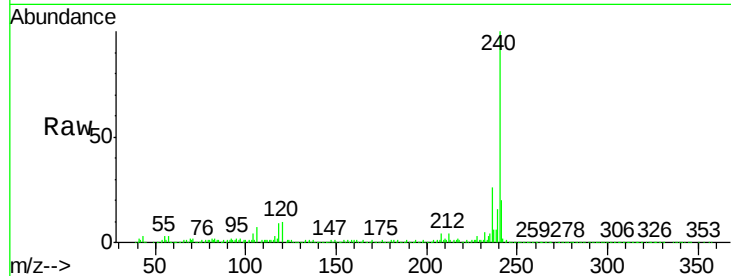
ClientSampleId :

SU-04-061720

Tot Ion:	240	Resp:	395724
Ion Ratio	Lower	Upper	
240	100		
120	10.2	8.3	12.5
236	26.0	21.0	31.4

Manual Integrations
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#78

Pyrene

Concen: 5.807 ng

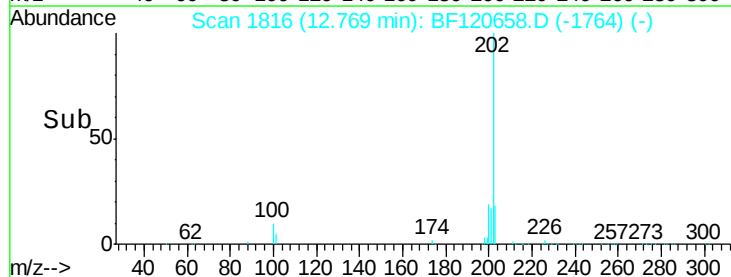
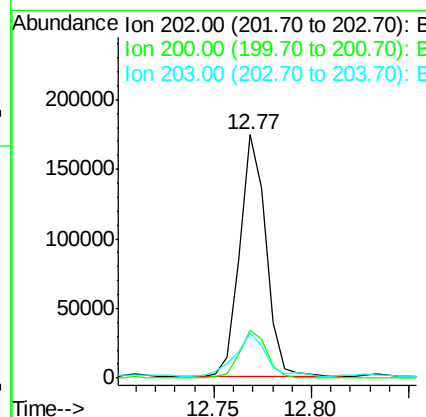
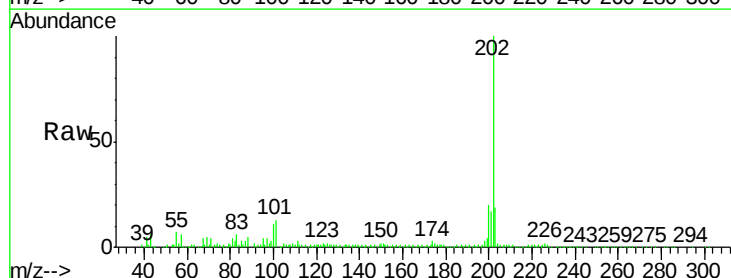
RT: 12.77 min Scan# 1816

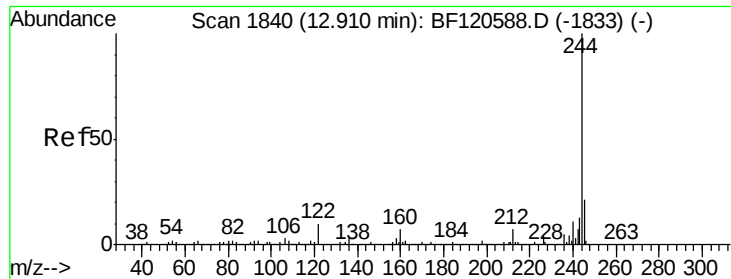
Delta R.T. 0.01 min

Lab File: BF120658.D

Acq: 18 Jun 2020 22:50

Tgt Ion:	202	Resp:	162780
Ion Ratio	Lower	Upper	
202	100		
200	19.6	16.8	25.2
203	18.6	14.3	21.5





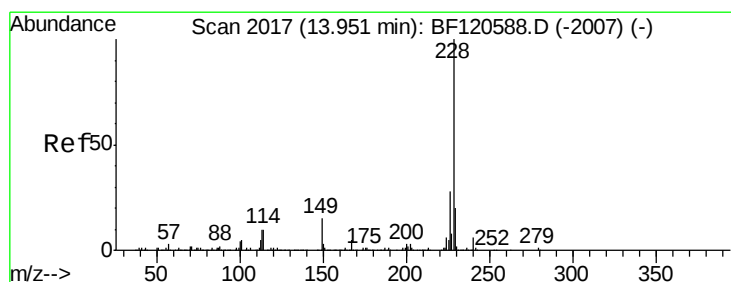
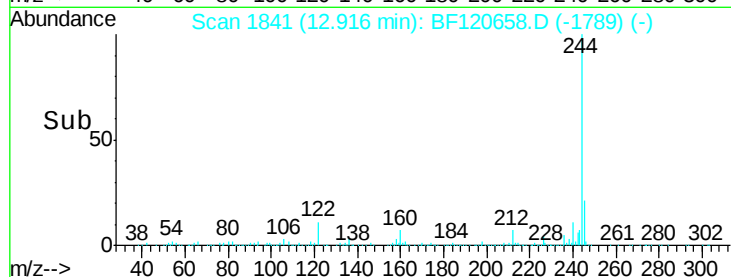
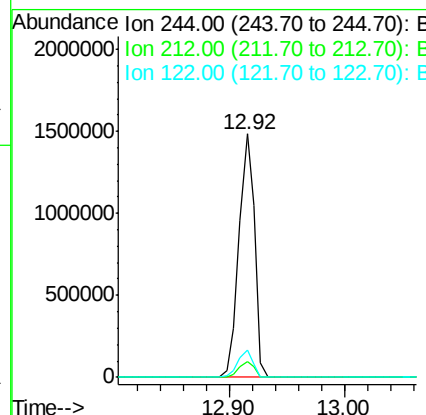
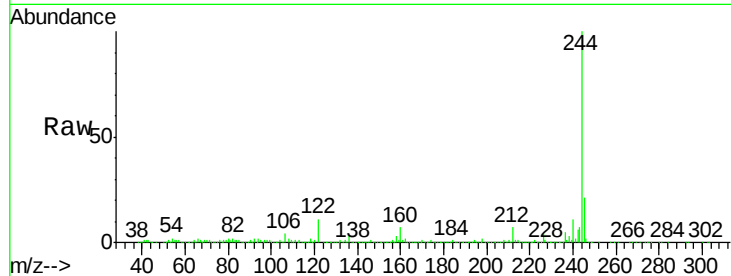
#79
 Terphenyl-d14
 Concen: 77.404 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.01 min
 Lab File: BF120658.D
 Acq: 18 Jun 2020 22:50

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-061720

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	11.1	8.3	12.5

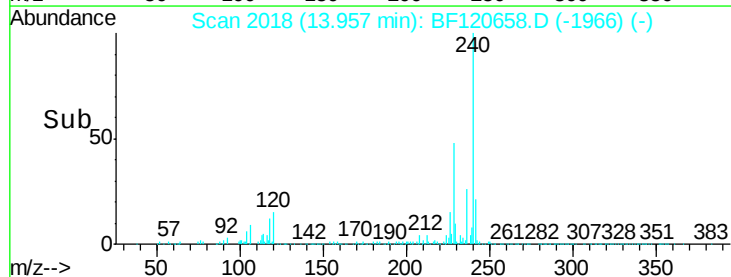
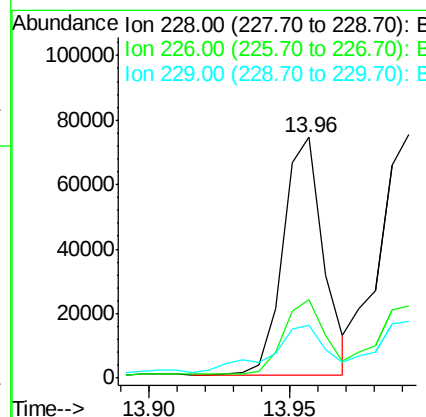
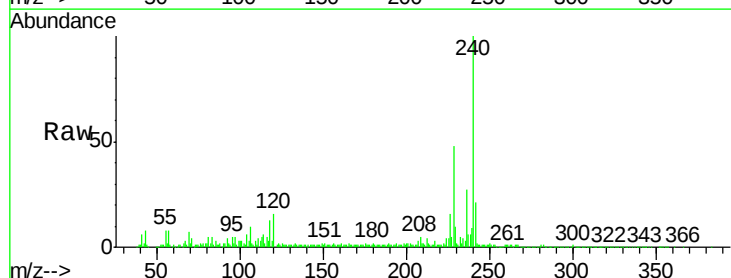
Manual Integrations
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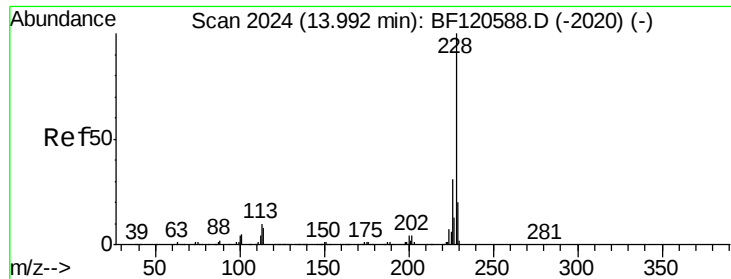
mohammad
 6/19/2020 12:58:22 PM



#81
 Benzo(a)anthracene
 Concen: 3.071 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BF120658.D
 Acq: 18 Jun 2020 22:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.5	33.7
229	21.9	16.1	24.1





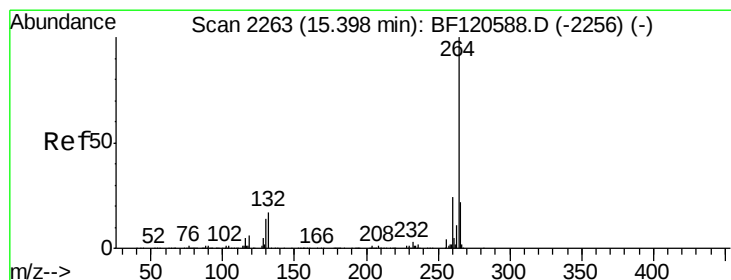
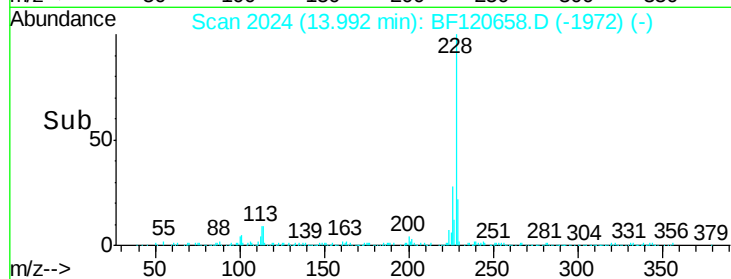
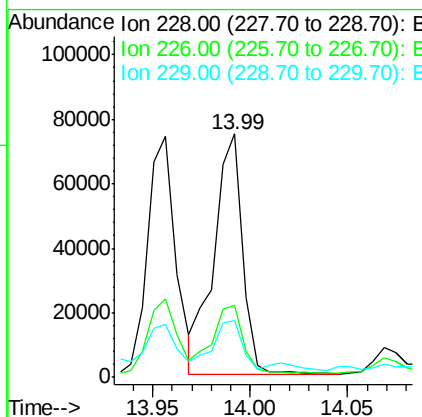
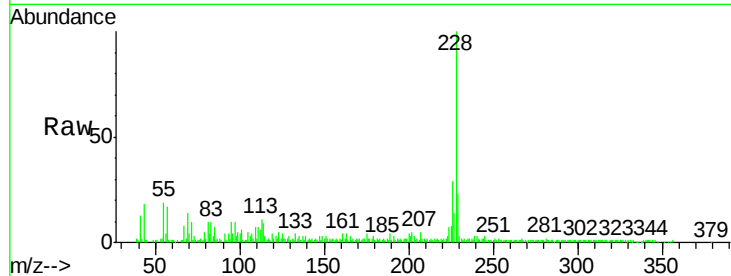
#83
Chrysene
Concen: 3.111 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF120658.D
Acq: 18 Jun 2020 22:50

Instrument :
BNA_F
ClientSampleId :
SU-04-061720

Tot Ion:	228	Resp:	75872
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.9	37.3
229	23.3	16.1	24.1

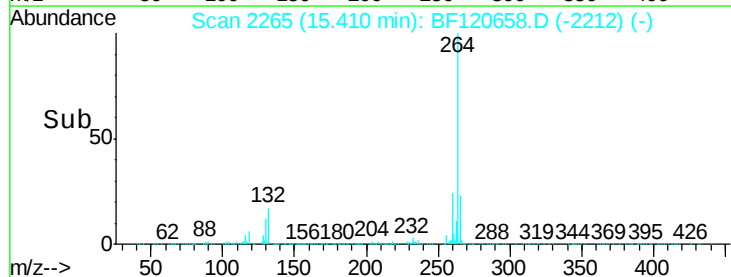
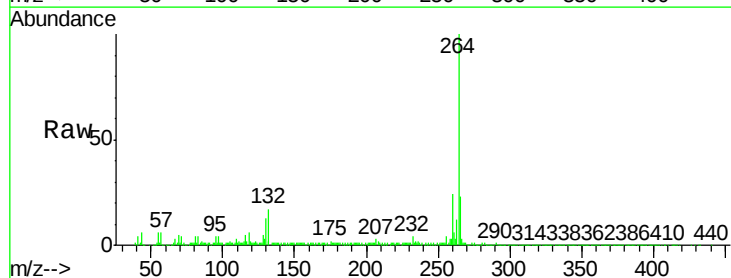
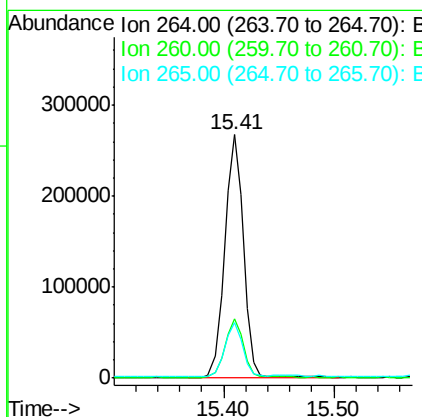
Manual Integrations
APPROVED

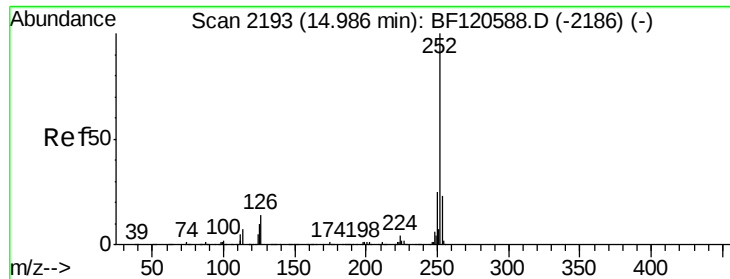
mohammad
6/19/2020 12:58:22 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF120658.D
Acq: 18 Jun 2020 22:50

Tgt Ion:	264	Resp:	315406
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.3	28.9
265	23.0	17.8	26.8





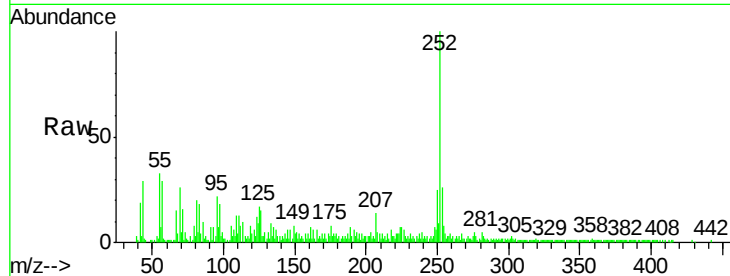
#88
Benzo(b)fluoranthene
Concen: 4.420 ng m
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF120658.D
Acq: 18 Jun 2020 22:50

Instrument :
BNA_F
ClientSampleId :
SU-04-061720

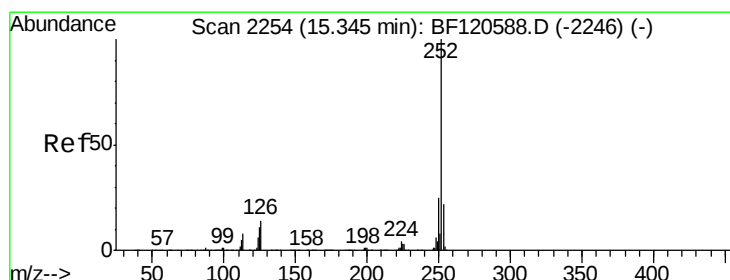
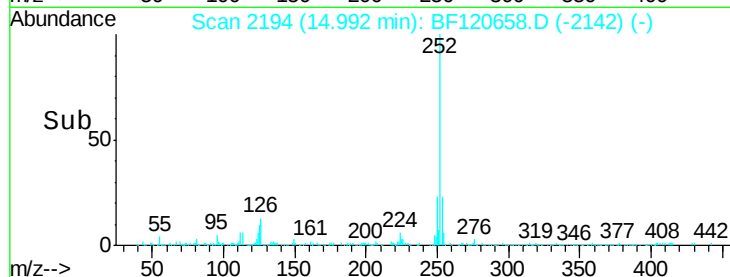
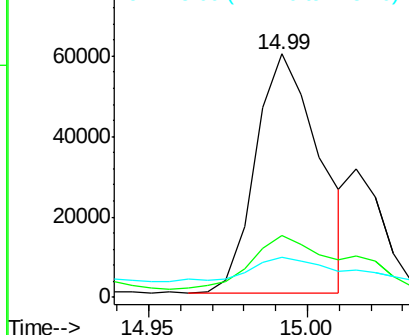
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.1	27.1
125	16.7	8.3	12.5

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 3.222 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF120658.D
Acq: 18 Jun 2020 22:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.8	26.8
125	19.7	8.6	12.8

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

