

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120656.D
 Acq On : 18 Jun 2020 21:54
 Operator : JU/CG
 Sample : L2813-07 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-061720

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Quant Time: Jun 19 02:02:57 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	139597	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	524573	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	266786	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	506739	20.00	ng	0.00
76) Chrysene-d12	13.96	240	409492	20.00	ng	0.00
86) Perylene-d12	15.41	264	358020	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	225464	27.69	ng	0.00
7) Phenol-d6	6.44	99	277896	27.40	ng	0.00
23) Nitrobenzene-d5	7.36	82	159036	16.95	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	82725	26.67	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	378783	21.72	ng	0.00
79) Terphenyl-d14	12.90	244	458804	24.75	ng	0.00
Target Compounds						
71) Phenanthrene	11.35	178	64111	2.545	ng	97
75) Fluoranthene	12.53	202	111547	3.873	ng	100
78) Pyrene	12.76	202	113709	3.920	ng	97
81) Benzo(a)anthracene	13.95	228	55632	2.261	ng	# 94
83) Chrysene	13.99	228	55199	2.187	ng	# 93
88) Benzo(b)fluoranthene	14.99	252	71713m	3.363	ng	
90) Benzo(a)pyrene	15.34	252	48505	2.541	ng	# 83

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

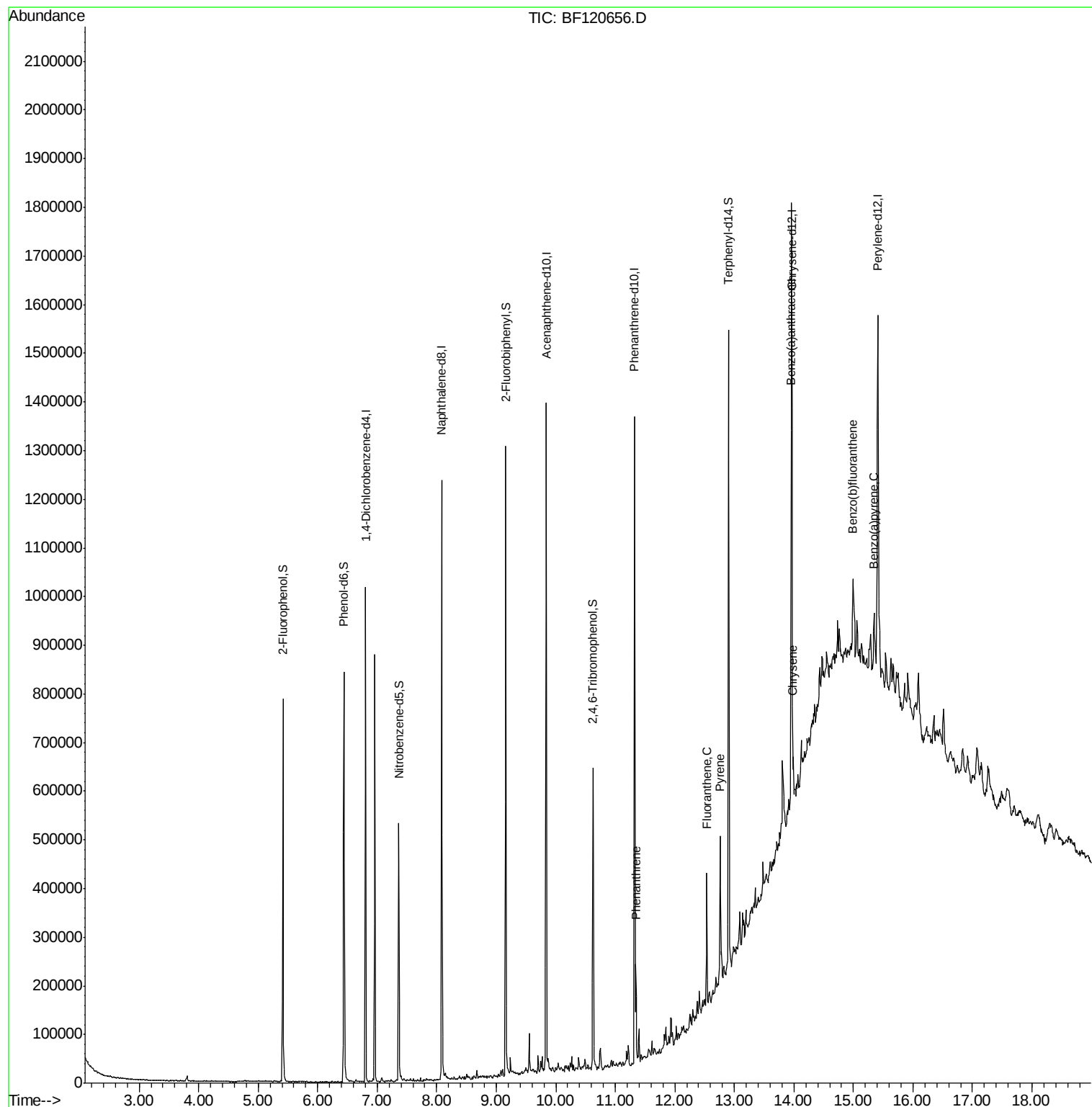
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
Data File : BF120656.D
Acq On : 18 Jun 2020 21:54
Operator : JU/CG
Sample : L2813-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

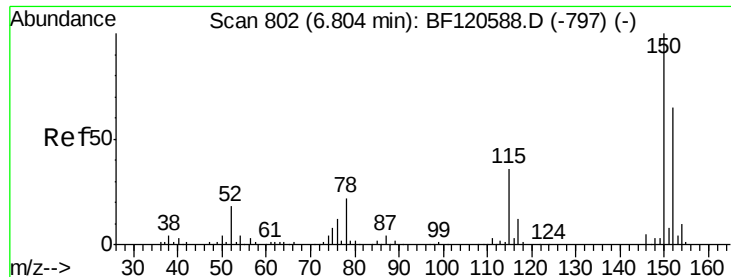
Instrument :
BNA_F
ClientSampleId :
EO-01-061720

Quant Time: Jun 19 02:02:57 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

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#1

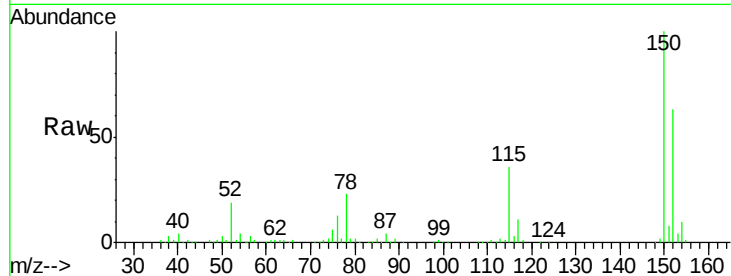
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Instrument :
BNA_F
ClientSampleId :
EO-01-061720

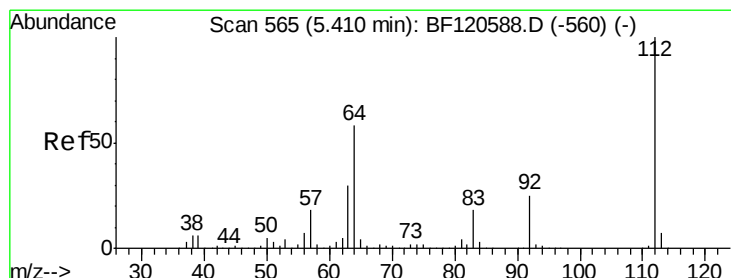
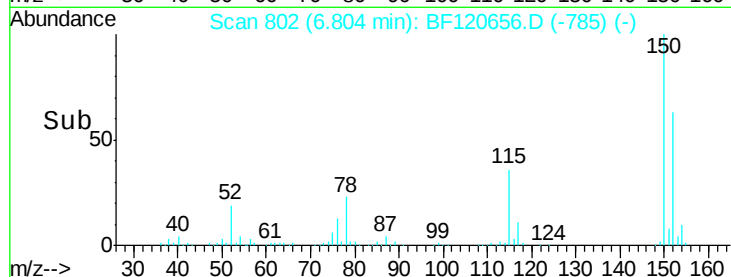
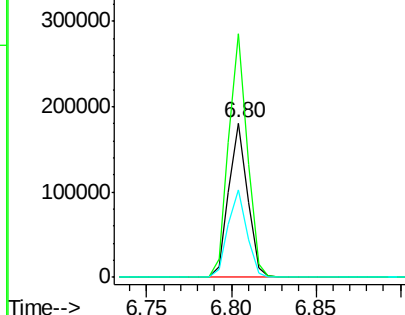
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	123.2	184.8
115	56.4	43.9	65.9

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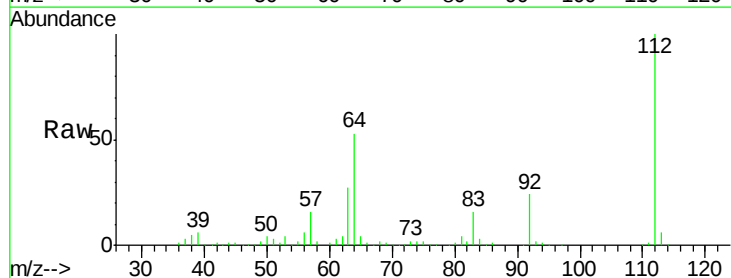
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



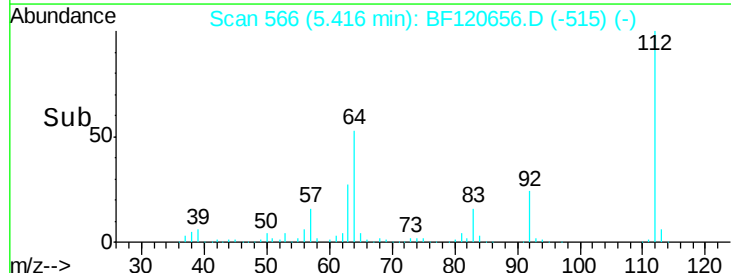
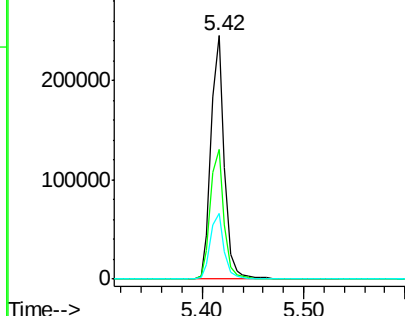
#5

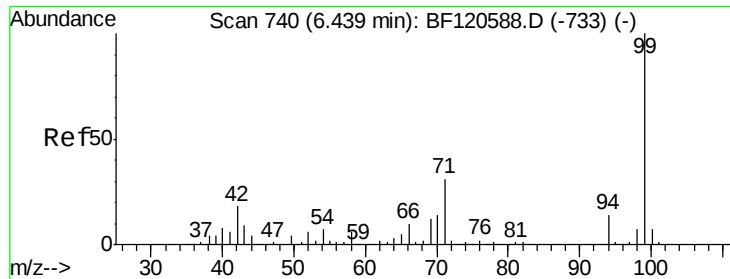
2-Fluorophenol
Concen: 27.690 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	46.1	69.1
63	27.1	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 27.402 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

Instrument :

BNA_F

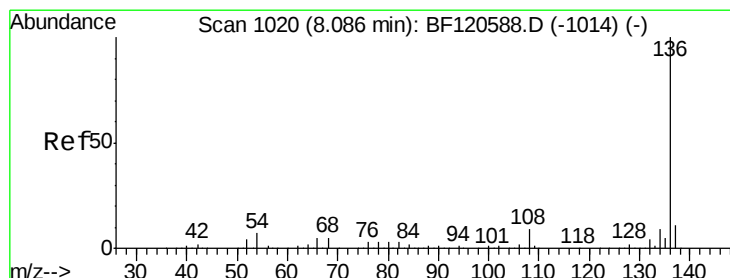
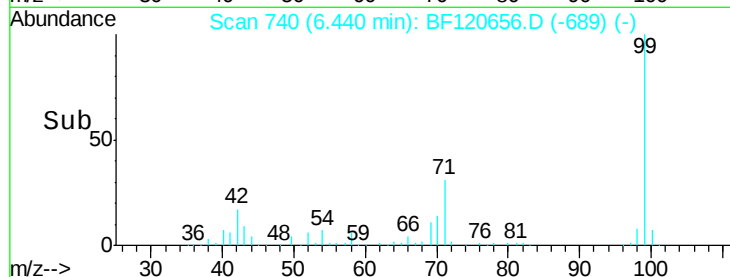
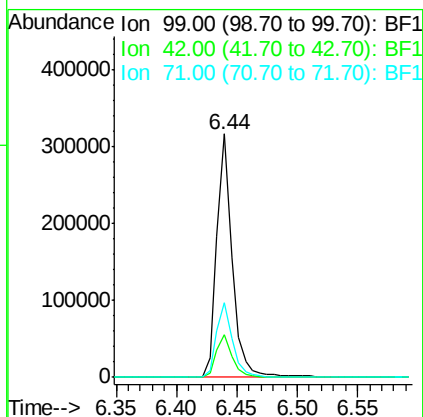
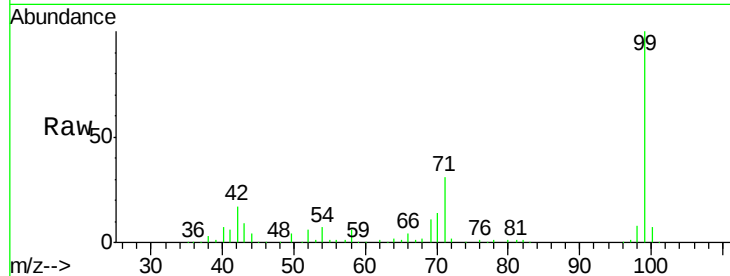
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		277896		
42	17.4	14.0	21.0		
71	30.8	24.9	37.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

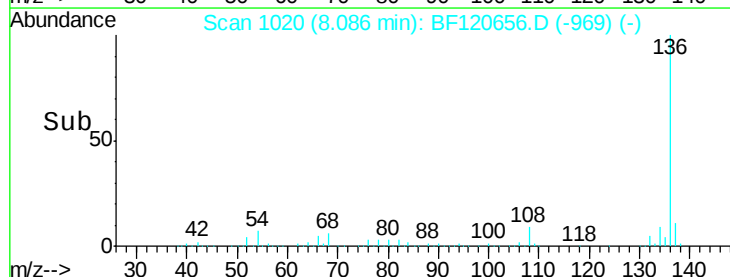
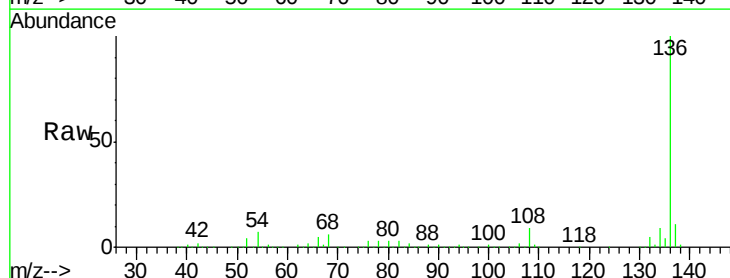
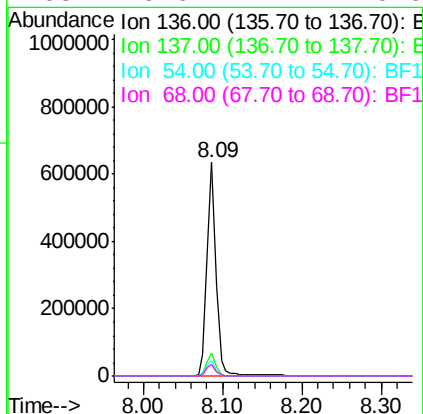
RT: 8.09 min Scan# 1020

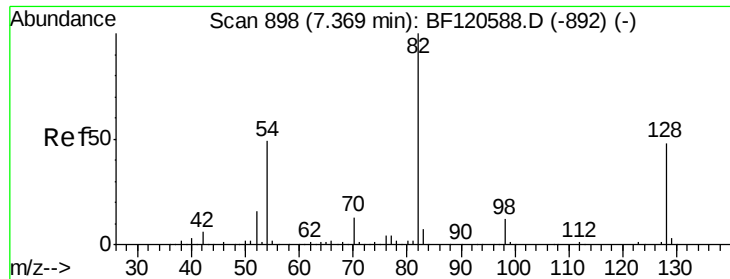
Delta R.T. 0.00 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		524573		
137	10.8	8.6	13.0		
54	7.3	5.8	8.6		
68	5.6	4.4	6.6		





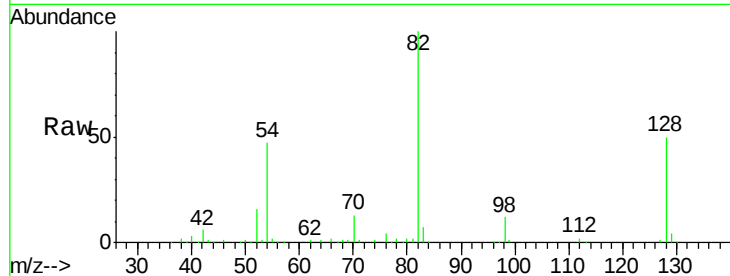
#23
Nitrobenzene-d5
Concen: 16.946 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Instrument :
BNA_F
ClientSampleId :
EO-01-061720

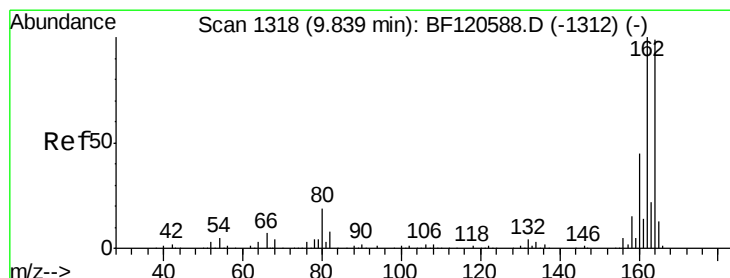
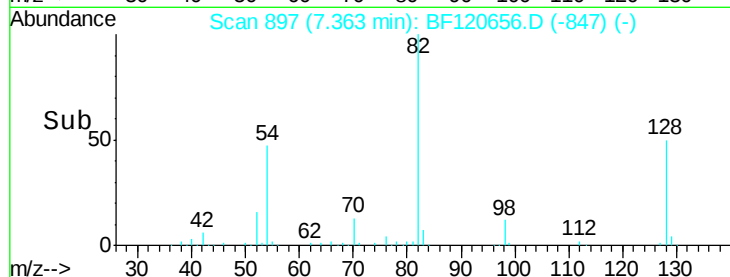
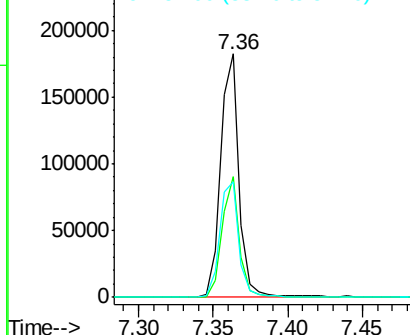
Tot Ion	82	Resp	159036
Ion	Ratio	Lower	Upper
82	100		
128	49.6	38.0	57.0
54	47.5	38.8	58.2

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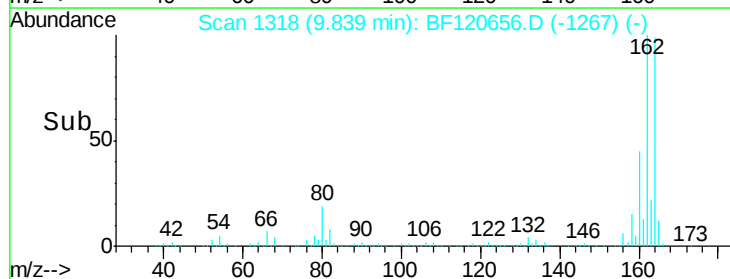
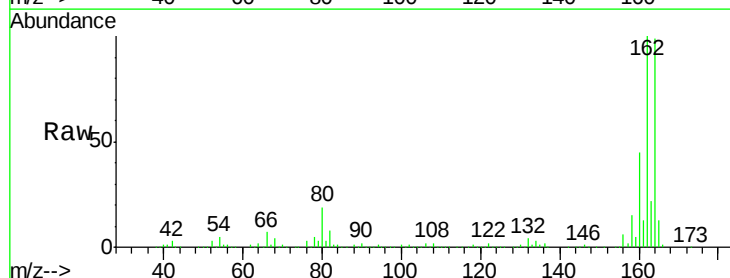
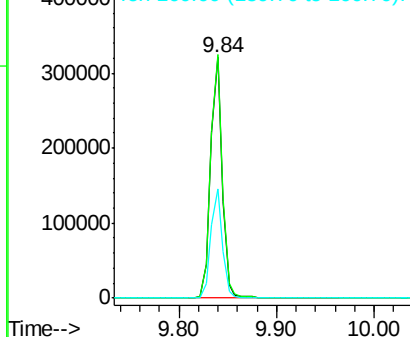
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

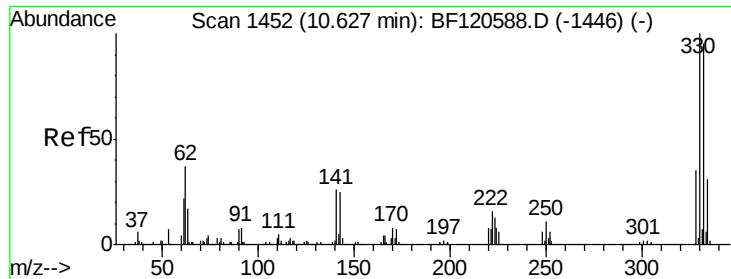


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Tgt Ion	164	Resp	266786
Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	45.5	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: 26.670 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

Instrument :

BNA_F

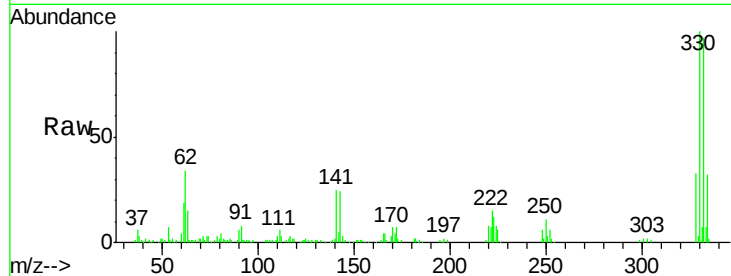
ClientSampleId :

EO-01-061720

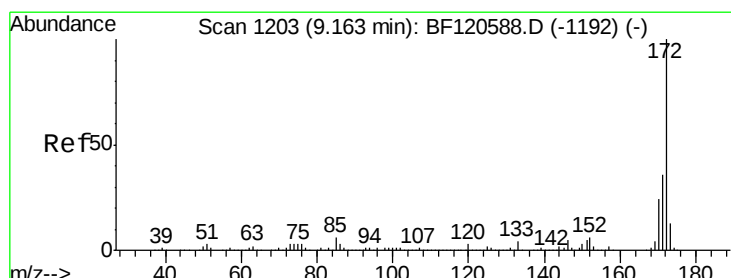
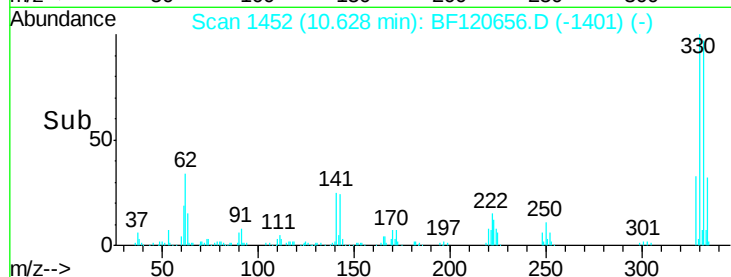
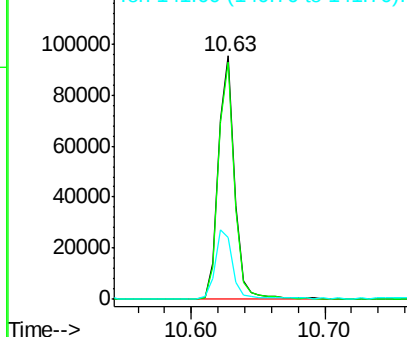
Tot Ion:	330	Resp:	82725
Ion Ratio	Lower	Upper	
330	100		
332	96.8	76.8	115.2
141	31.7	23.2	34.8

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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: 21.723 ng

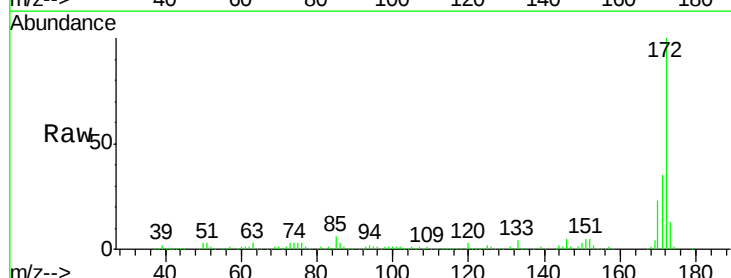
RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

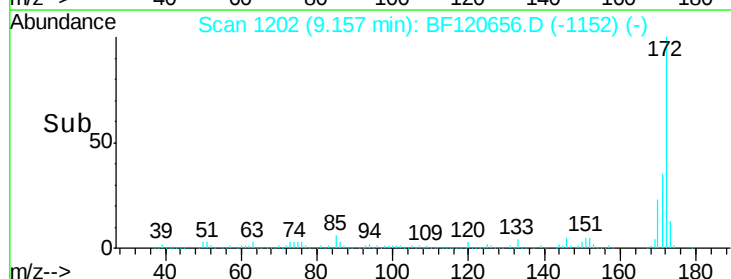
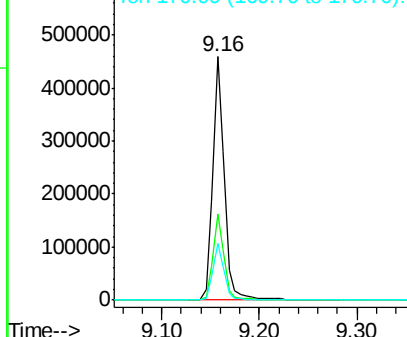
Lab File: BF120656.D

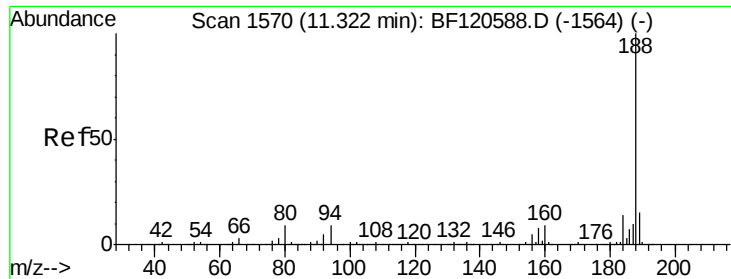
Acq: 18 Jun 2020 21:54

Tgt Ion:	172	Resp:	378783
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.0	43.4
170	23.1	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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

Instrument :

BNA_F

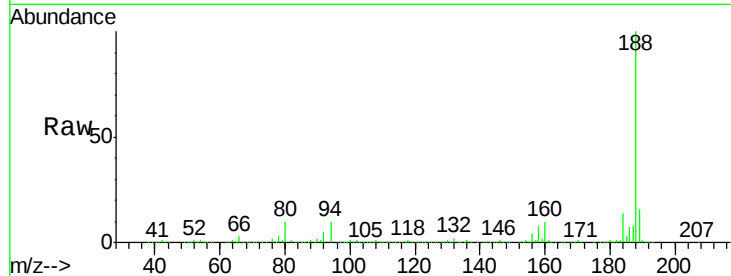
ClientSampleId :

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Tot Ion:	188	Resp:	506739
Ion Ratio		Lower	Upper
188	100		
94	10.1	7.2	10.8
80	10.5	7.4	11.2

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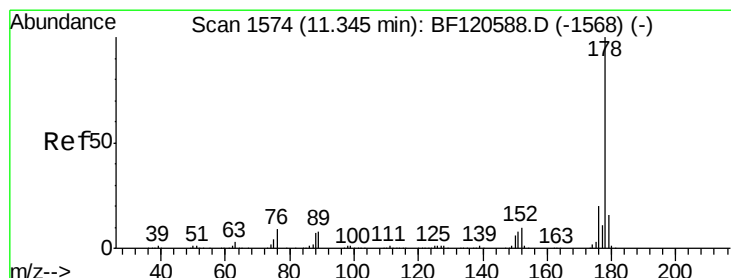
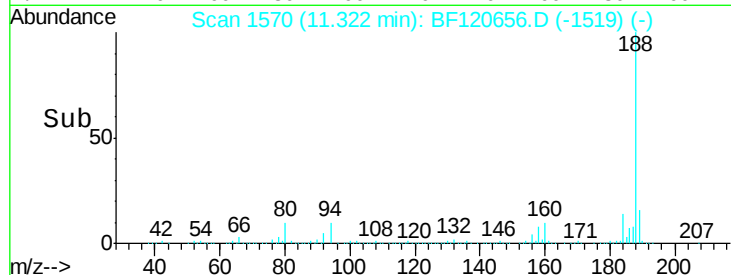
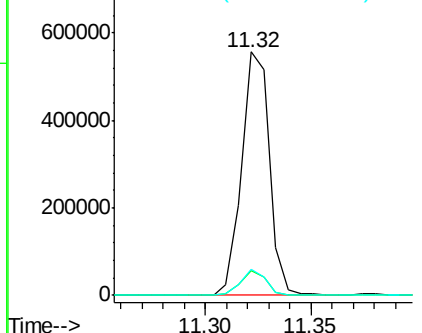
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 2.545 ng

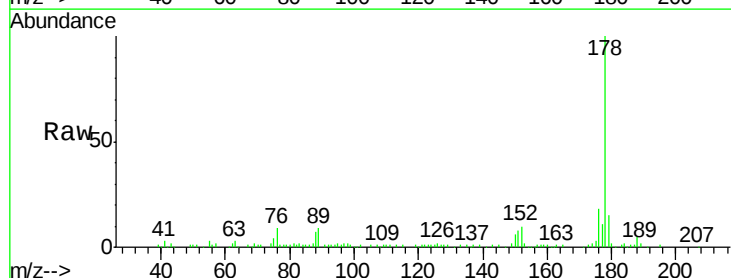
RT: 11.35 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

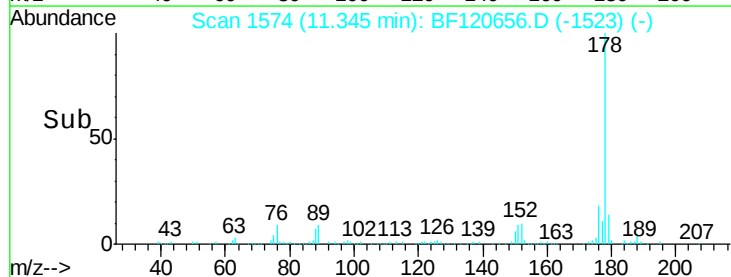
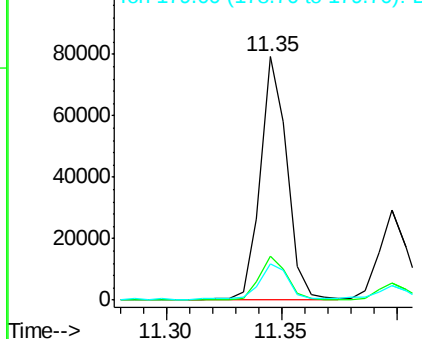
Tgt Ion:	178	Resp:	64111
Ion Ratio		Lower	Upper
178	100		
176	18.1	15.9	23.9
179	15.0	12.8	19.2

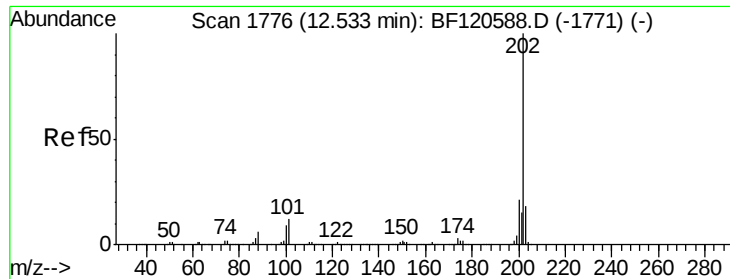


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.873 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

Instrument :

BNA_F

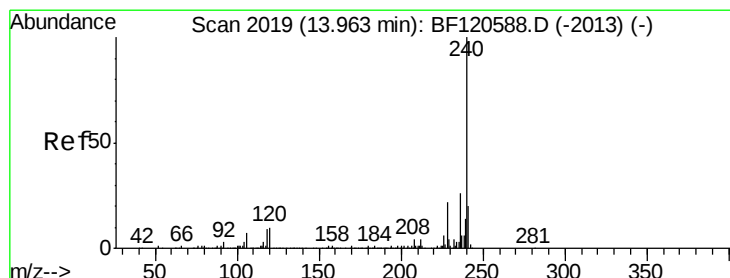
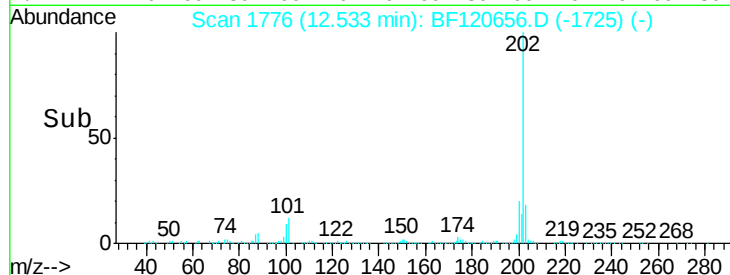
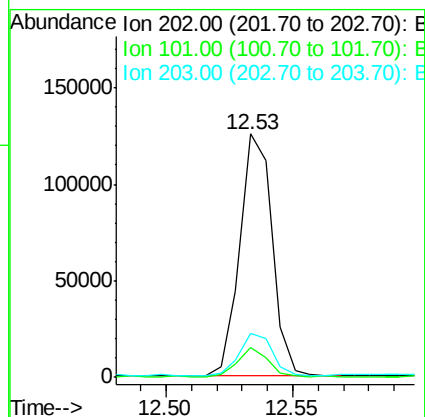
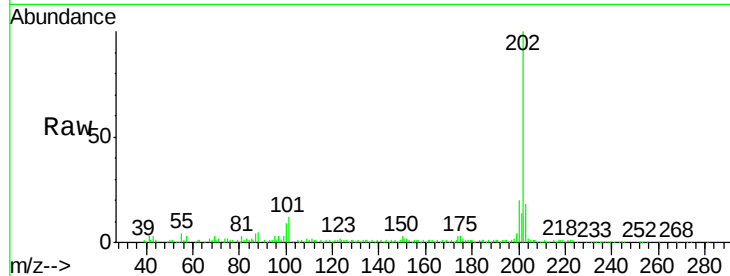
ClientSampleId :

EO-01-061720

Tot Ion:	202	Resp:	111547
Ion Ratio		Lower	Upper
202	100		
101	12.0	0.0	32.0
203	18.1	0.0	38.3

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#76

Chrysene-d12

Concen: 20.000 ng

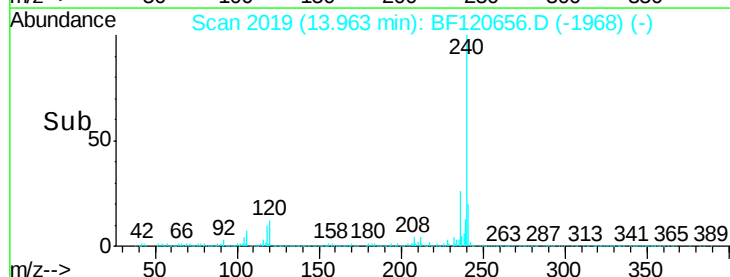
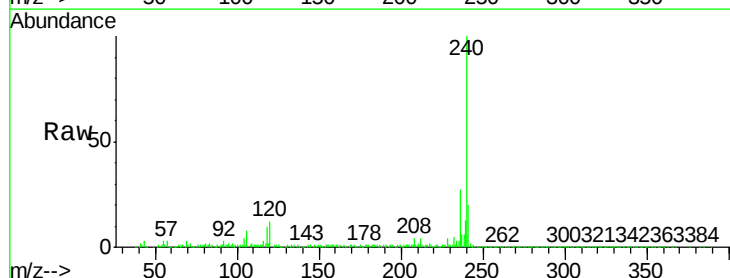
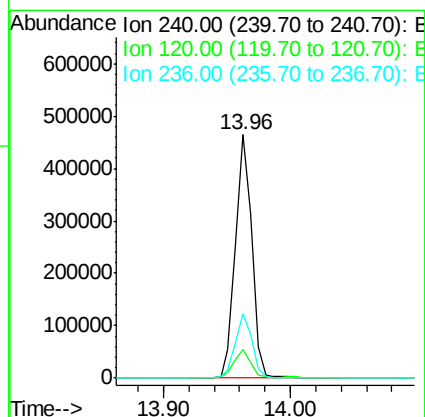
RT: 13.96 min Scan# 2019

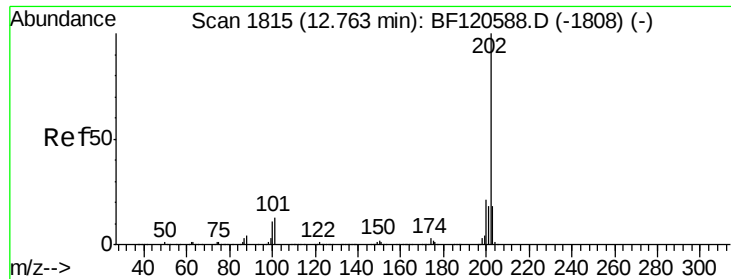
Delta R.T. 0.00 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

Tgt Ion:	240	Resp:	409492
Ion Ratio		Lower	Upper
240	100		
120	12.0	8.3	12.5
236	26.6	21.0	31.4





#78

Pvrene

Concen: 3.920 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

Instrument :

BNA_F

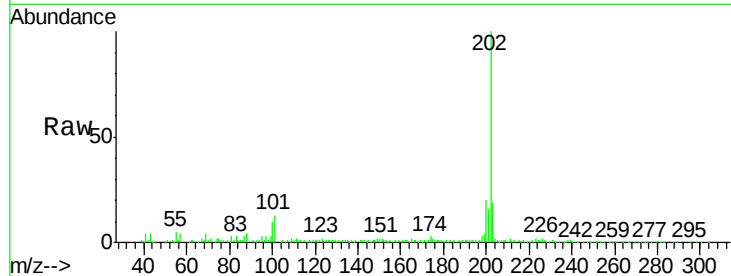
ClientSampleId :

EO-01-061720

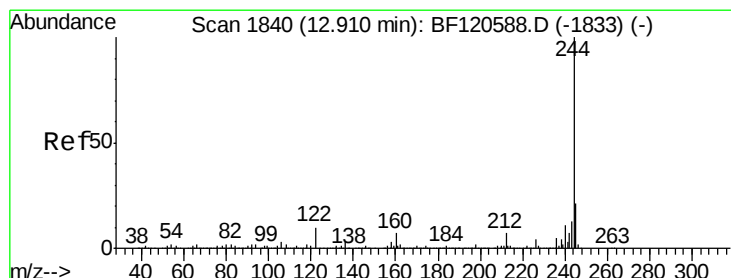
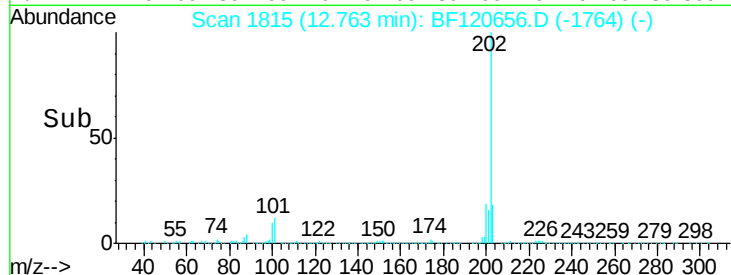
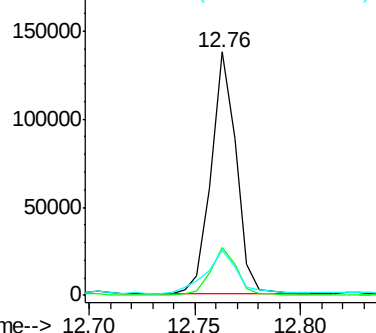
Tot Ion:	202	Resp:	113709
Ion Ratio		Lower	Upper
202	100		
200	19.6	16.8	25.2
203	18.8	14.3	21.5

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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: 24.749 ng

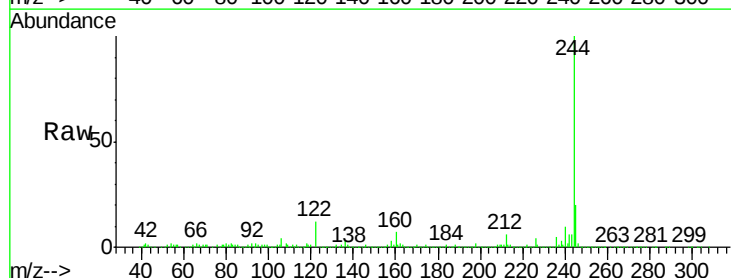
RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

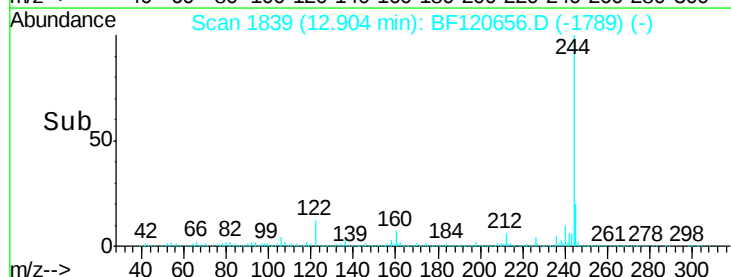
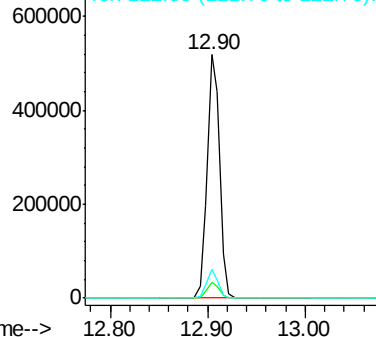
Lab File: BF120656.D

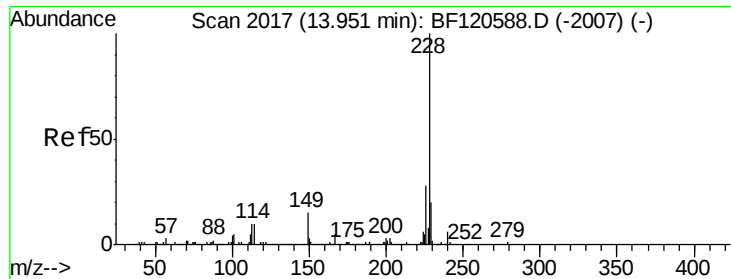
Acq: 18 Jun 2020 21:54

Tgt Ion:	244	Resp:	458804
Ion Ratio		Lower	Upper
244	100		
212	6.5	5.7	8.5
122	11.7	8.3	12.5



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





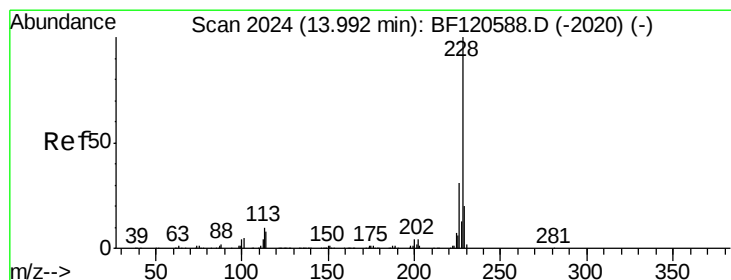
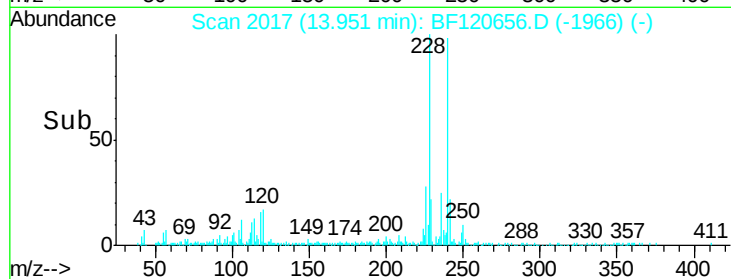
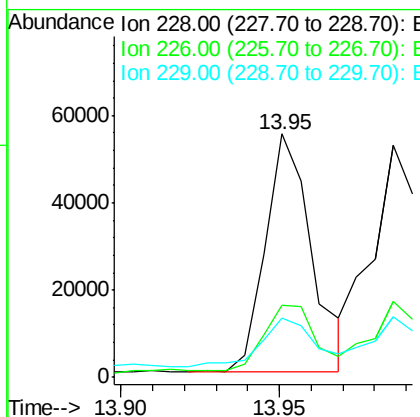
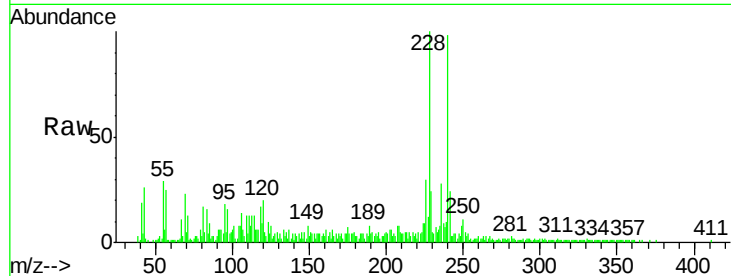
#81
Benzo(a)anthracene
Concen: 2.261 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Instrument :
BNA_F
ClientSampleId :
EO-01-061720

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.5	33.7
229	24.4	16.1	24.1

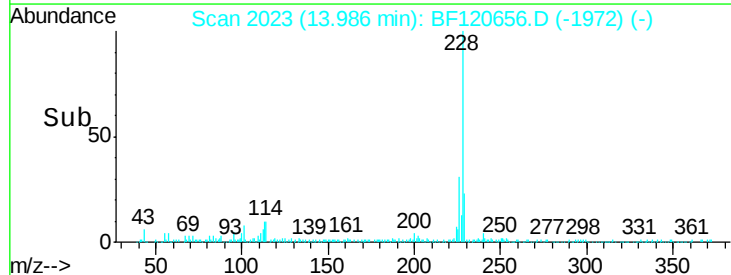
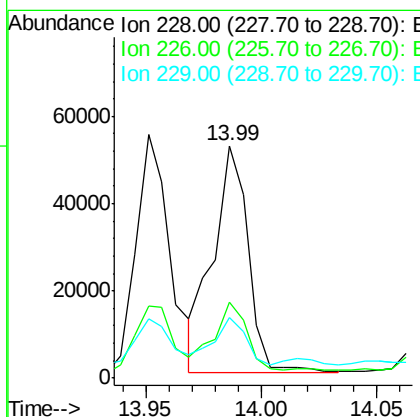
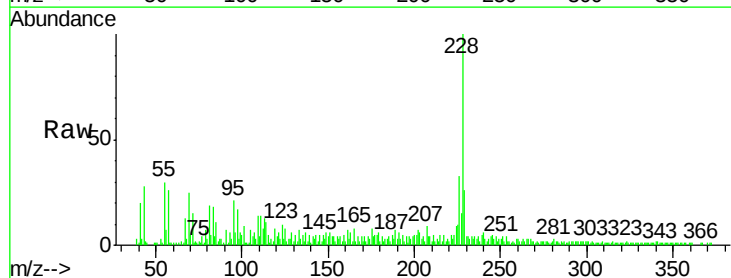
Manual Integrations
APPROVED

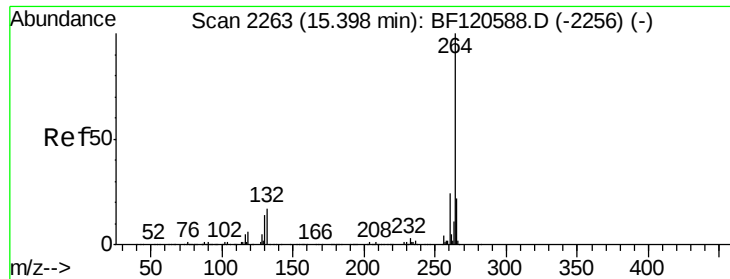
mohammad
6/19/2020 12:58:16 PM



#83
Chrysene
Concen: 2.187 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	24.9	37.3
229	26.0	16.1	24.1





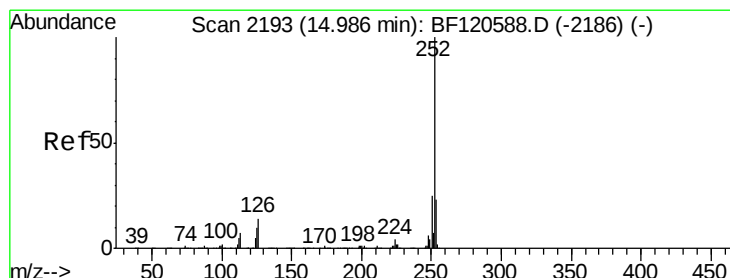
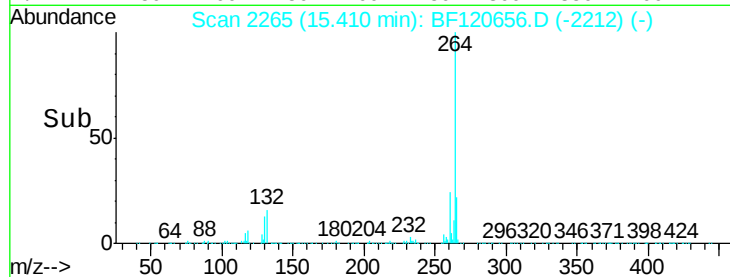
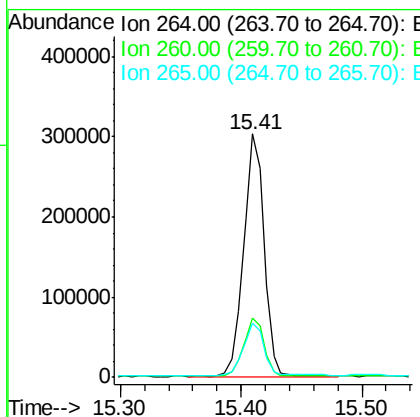
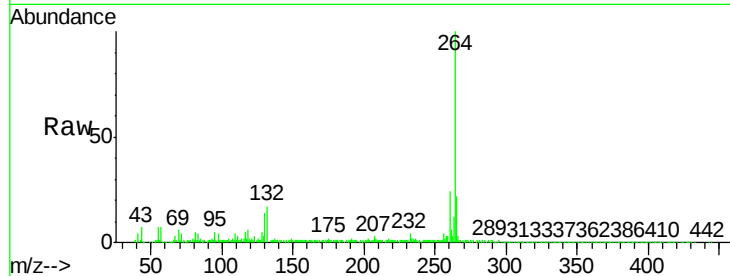
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Instrument :
BNA_F
ClientSampleId :
EO-01-061720

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.3	28.9
265	22.2	17.8	26.8

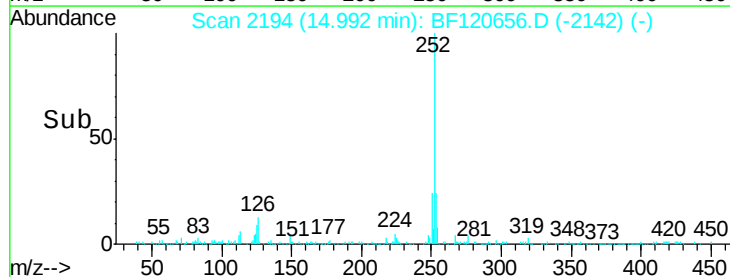
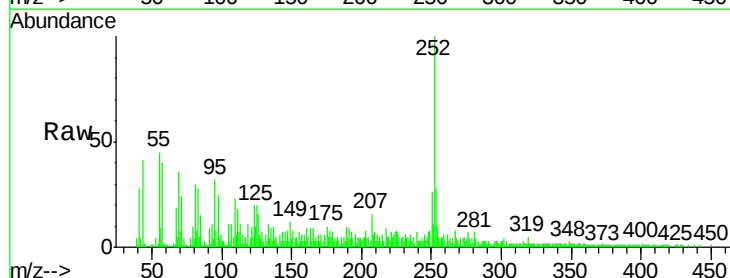
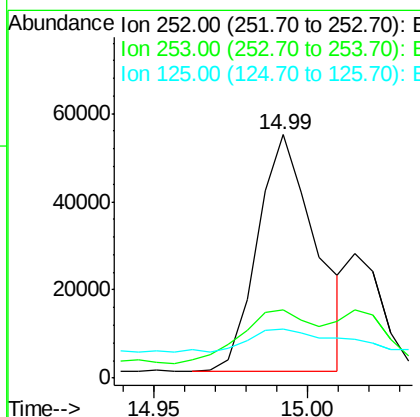
Manual Integrations
APPROVED

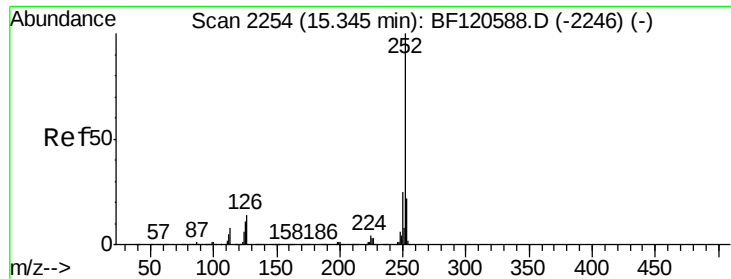
mohammad
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#88
Benzo(b)fluoranthene
Concen: 3.363 ng m
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.1	27.1#
125	19.9	8.3	12.5#





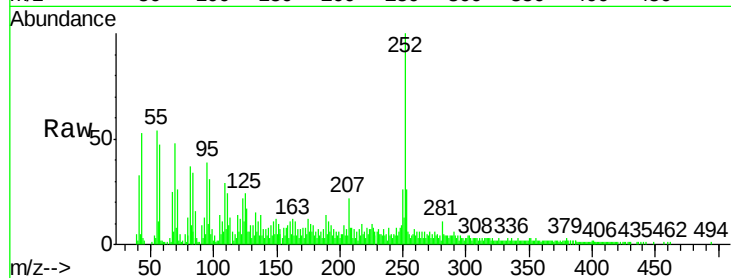
#90
Benzo(a)pyrene
Concen: 2.541 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Instrument :
BNA_F
ClientSampleId :
EO-01-061720

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.8	26.8
125	24.0	8.6	12.8

Manual Integrations
APPROVED

mohammad
6/19/2020 12:58:16 PM



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

