

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120655.D
 Acq On : 18 Jun 2020 21:26
 Operator : JU/CG
 Sample : L2812-06 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-061720

Manual Integrations
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mohammad
 6/19/2020 12:58:13 PM

Quant Time: Jun 19 01:58:41 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	148214	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	556086	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	275567	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	516387	20.00	ng	0.00
76) Chrysene-d12	13.96	240	411931	20.00	ng	0.00
86) Perylene-d12	15.41	264	341518	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	260410	30.12	ng	0.00
7) Phenol-d6	6.44	99	323475	30.04	ng	0.00
23) Nitrobenzene-d5	7.36	82	180971	18.19	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	90990	28.40	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	420654	23.36	ng	0.00
79) Terphenyl-d14	12.90	244	481441	25.82	ng	0.00
Target Compounds						
71) Phenanthrene	11.35	178	164494	6.408	ng	98
75) Fluoranthene	12.53	202	308963	10.527	ng	99
78) Pyrene	12.76	202	253695	8.694	ng	98
81) Benzo(a)anthracene	13.95	228	134774	5.446	ng	99
83) Chrysene	13.99	228	112804	4.444	ng	96
87) Indeno(1,2,3-cd)pyrene	16.83	276	43832	2.110	ng	97
88) Benzo(b)fluoranthene	14.99	252	123309m	6.061	ng	
90) Benzo(a)pyrene	15.34	252	78569	4.315	ng	# 89
92) Benzo(g,h,i)perylene	17.26	276	41560	2.475	ng	93

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

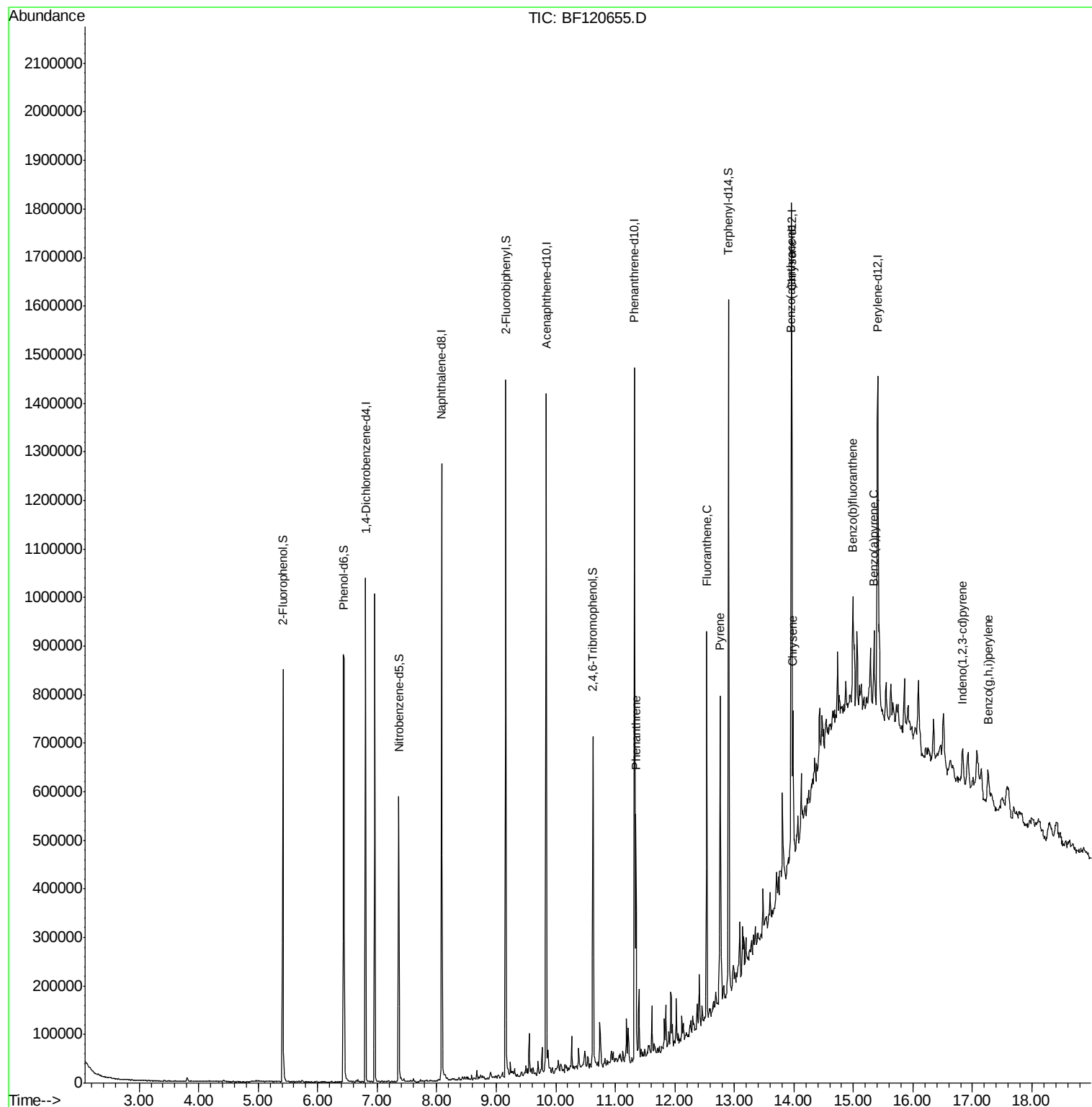
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
Data File : BF120655.D
Acq On : 18 Jun 2020 21:26
Operator : JU/CG
Sample : L2812-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

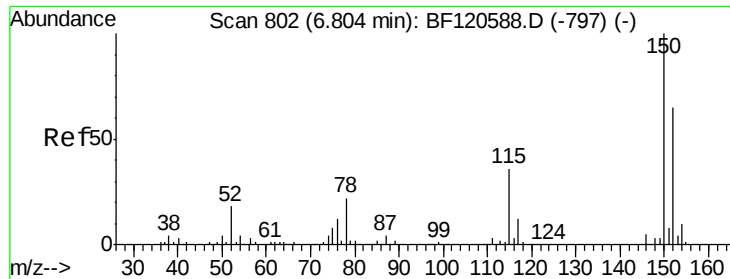
Instrument :
BNA_F
ClientSampleId :
OK-03-061720

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6/19/2020 12:58:13 PM

Quant Time: Jun 19 01:58:41 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





#1

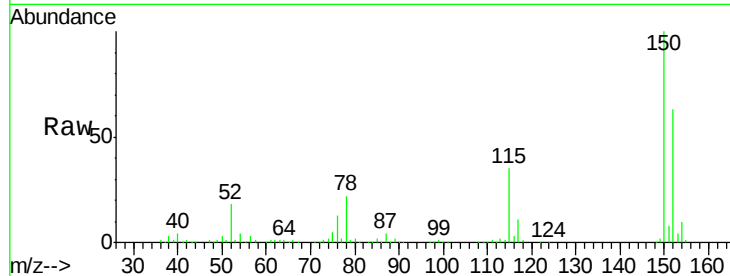
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Instrument :
BNA_F
ClientSampleId :
OK-03-061720

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	123.2	184.8
115	55.5	43.9	65.9

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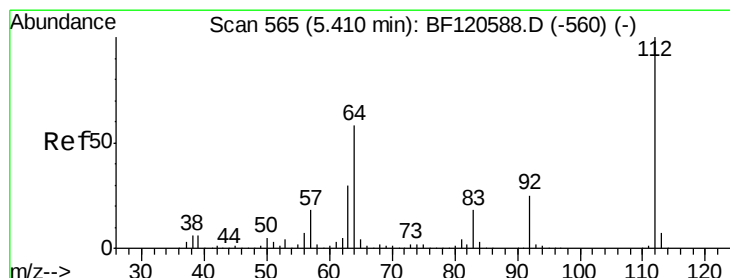
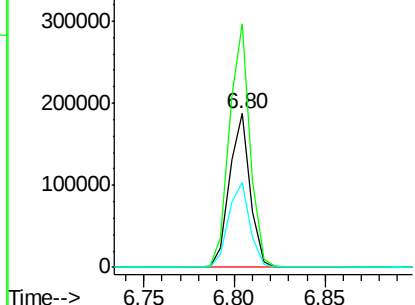
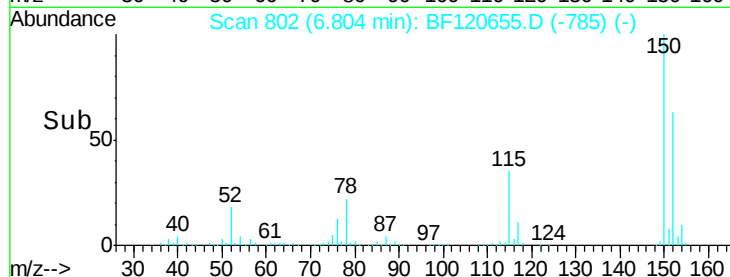


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

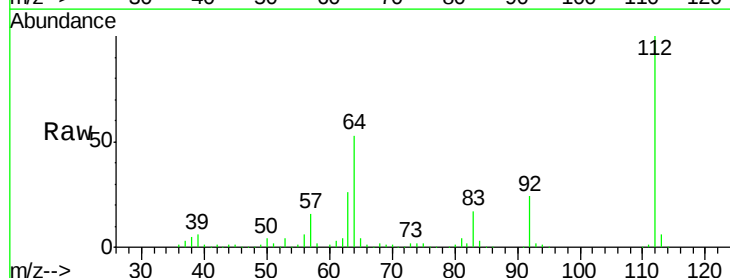
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 30.123 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	46.1	69.1
63	26.2	23.7	35.5

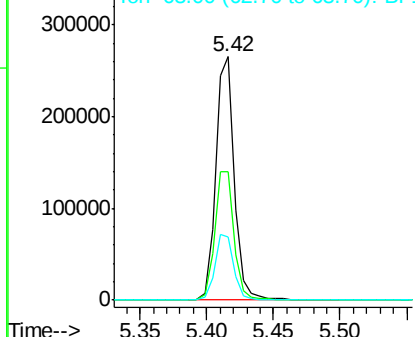
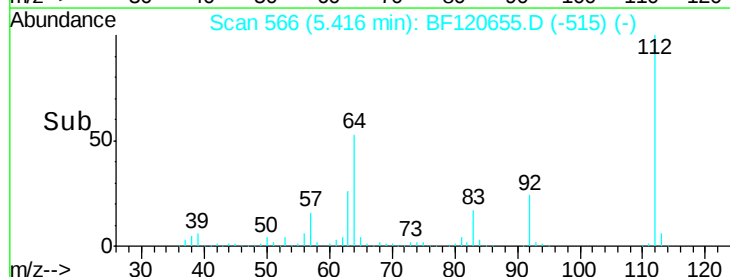


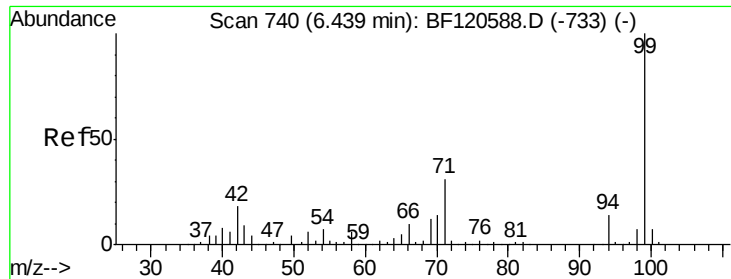
Abundance

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: 30.042 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Instrument :

BNA_F

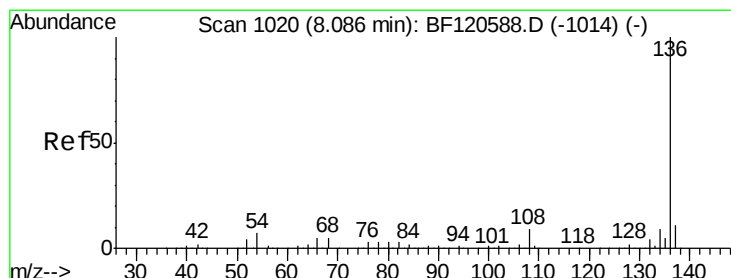
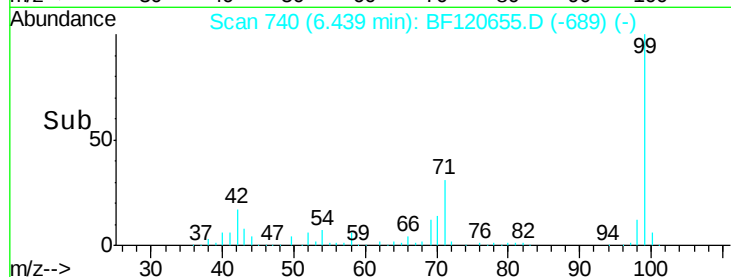
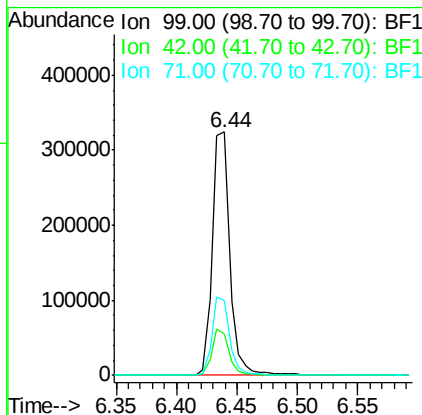
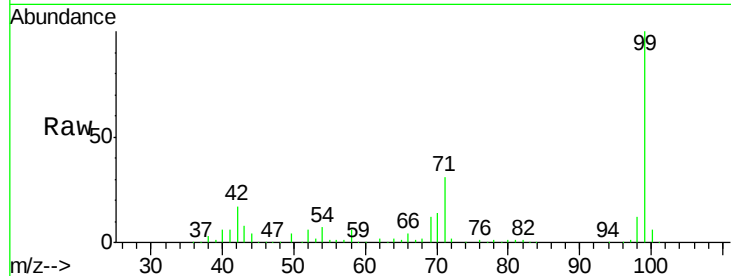
ClientSampleId :

OK-03-061720

Tot Ion:	99	Resp:	323475
Ion Ratio	Lower	Upper	
99	100		
42	17.1	14.0	21.0
71	30.7	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

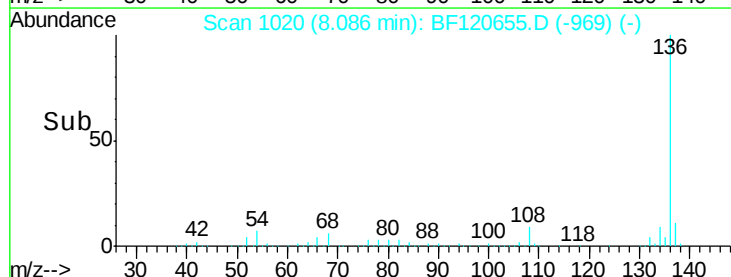
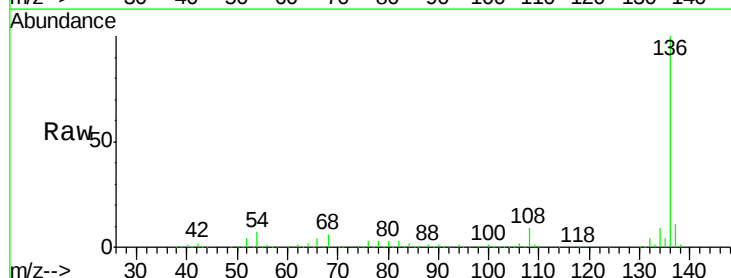
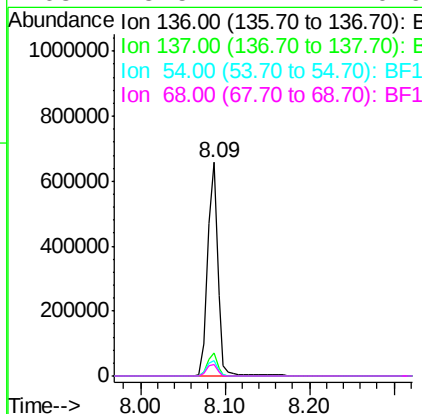
RT: 8.09 min Scan# 1020

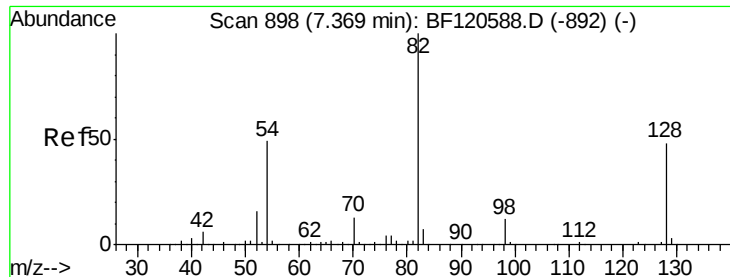
Delta R.T. 0.00 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Tgt Ion:	136	Resp:	556086
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	7.3	5.8	8.6
68	5.5	4.4	6.6





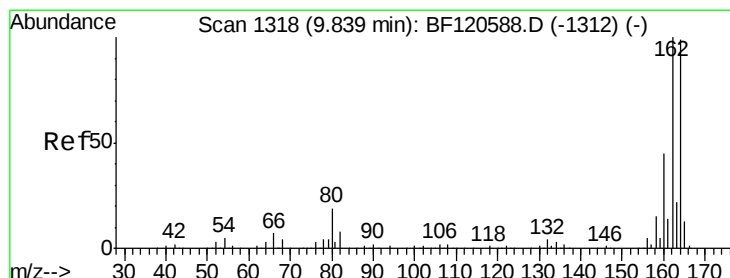
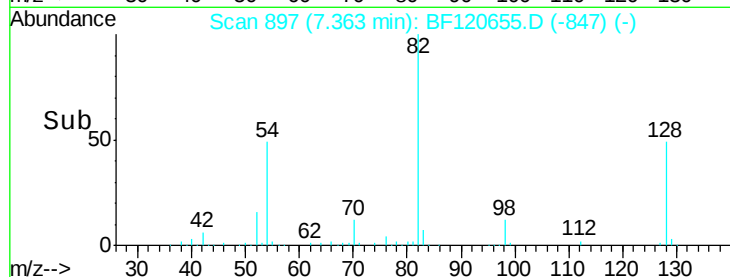
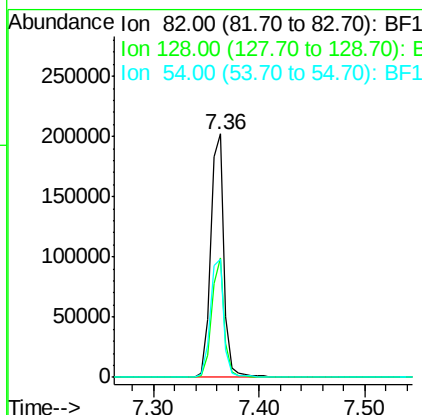
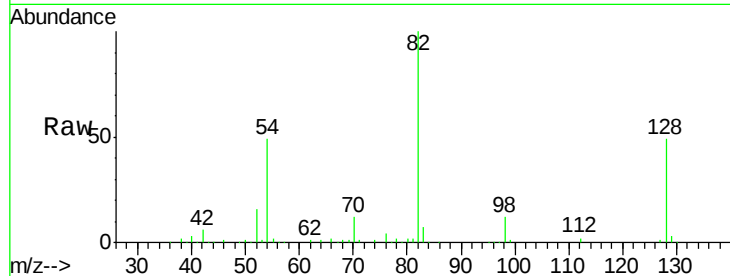
#23
 Nitrobenzene-d5
 Concen: 18.191 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF120655.D
 Acq: 18 Jun 2020 21:26

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-061720

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.8	38.0	57.0
54	48.7	38.8	58.2

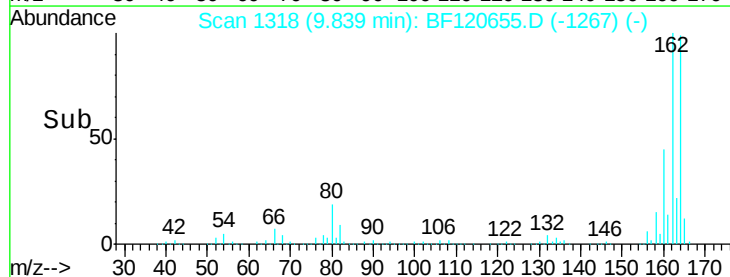
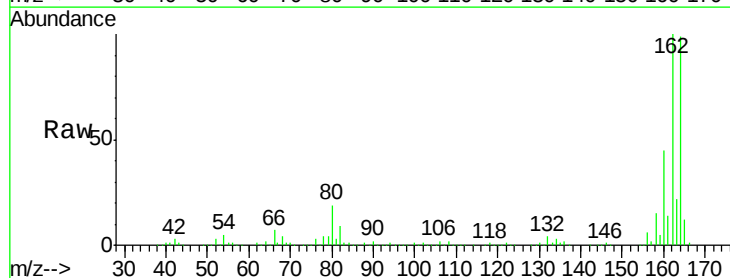
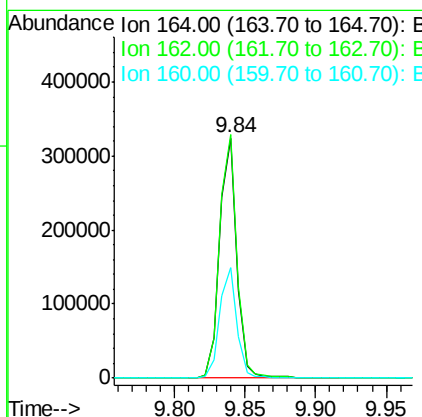
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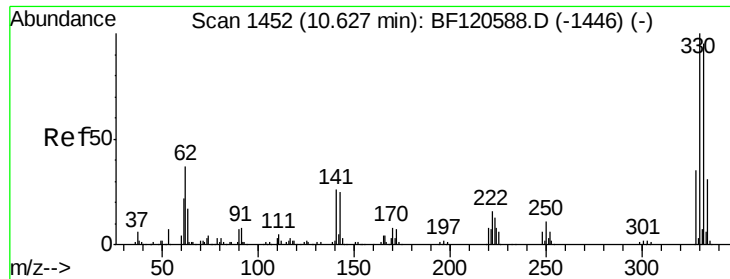
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: BF120655.D
 Acq: 18 Jun 2020 21:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	120.8
160	45.8	36.2	54.2





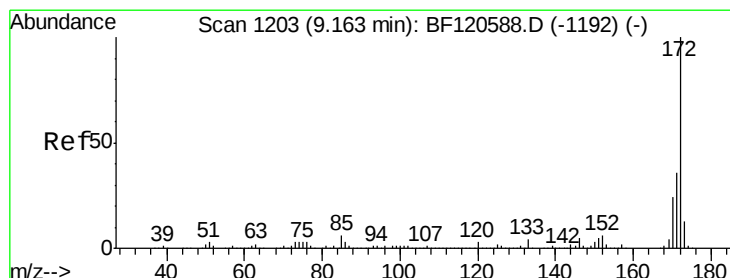
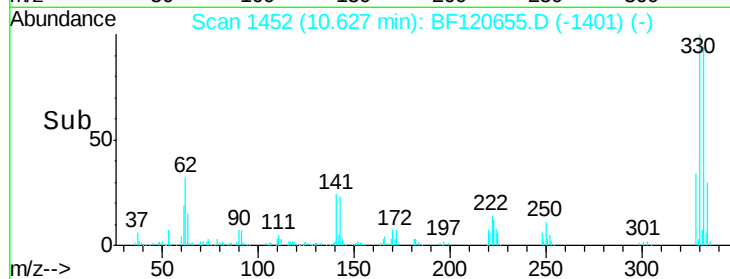
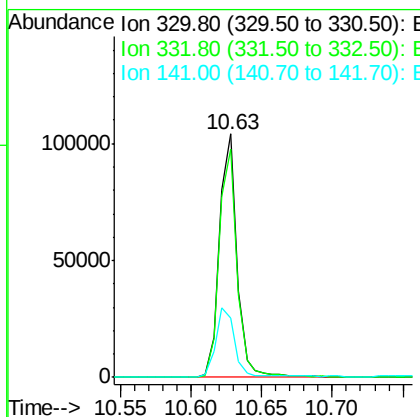
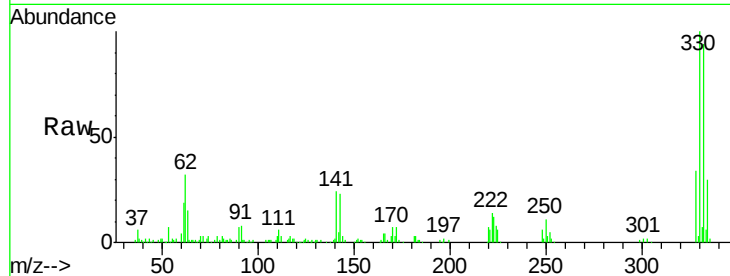
#42
 2,4,6-Tribromophenol
 Concen: 28.400 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120655.D
 Acq: 18 Jun 2020 21:26

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-061720

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.8	115.2
141	32.8	23.2	34.8

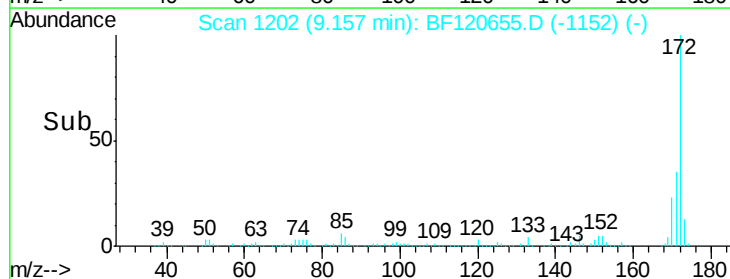
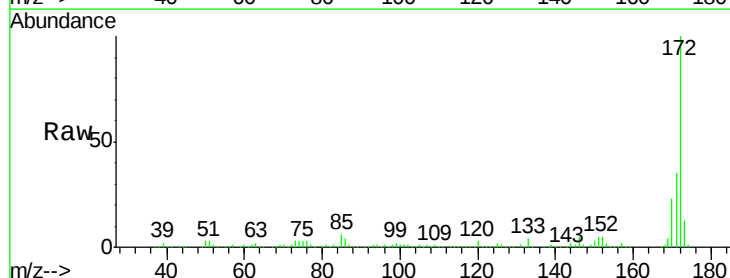
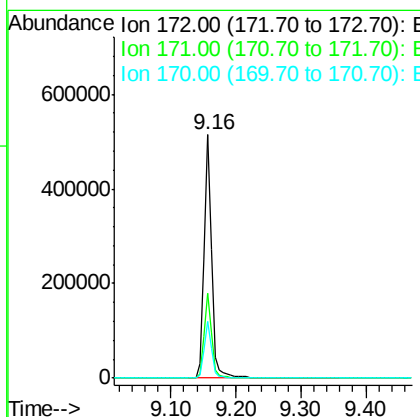
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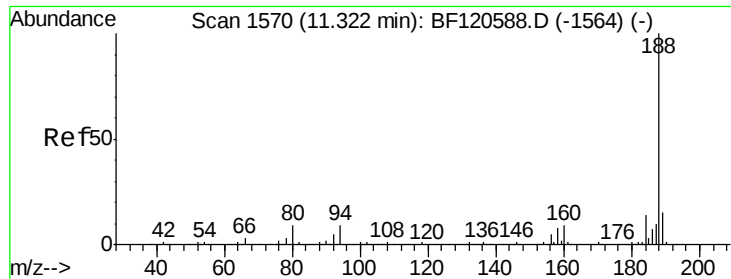
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#45
 2-Fluorobiphenyl
 Concen: 23.355 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120655.D
 Acq: 18 Jun 2020 21:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.0	43.4
170	23.3	19.4	29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Instrument :

BNA_F

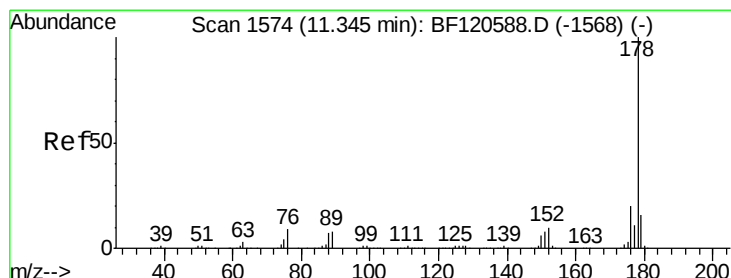
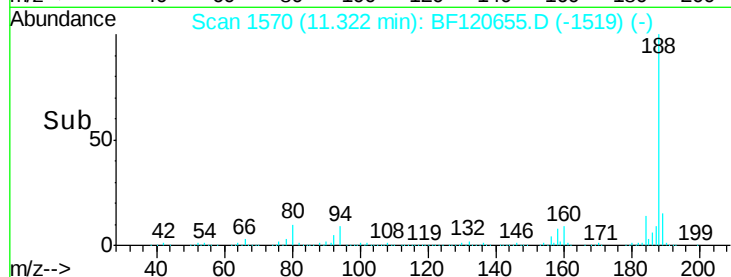
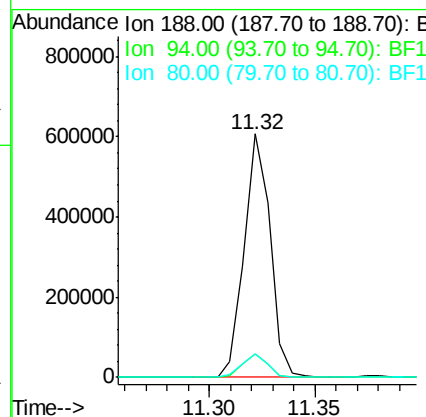
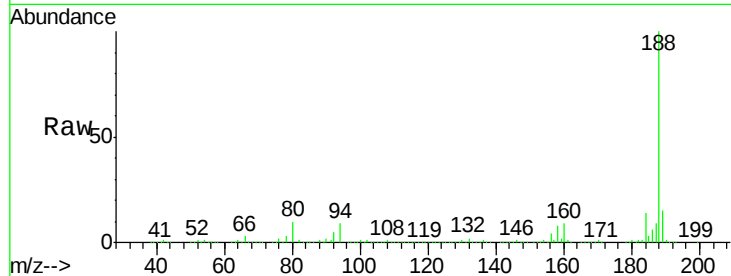
ClientSampleId :

OK-03-061720

Tot Ion:	188	Resp:	516387
Ion Ratio		Lower	Upper
188	100		
94	9.4	7.2	10.8
80	9.9	7.4	11.2

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#71

Phenanthrene

Concen: 6.408 ng

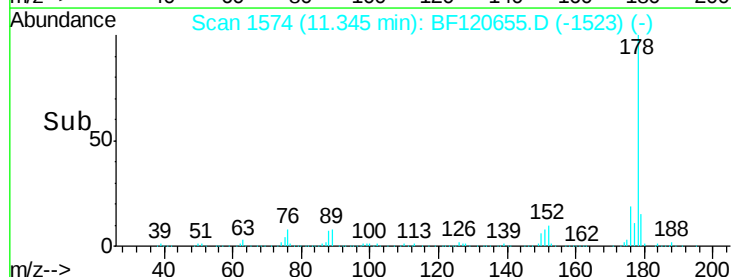
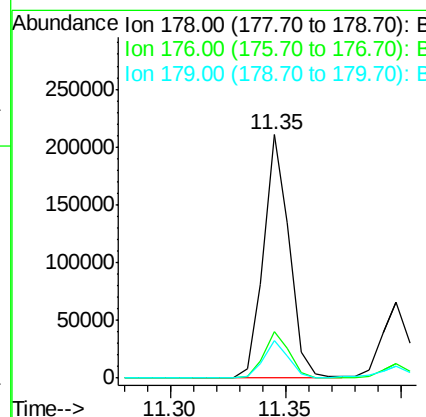
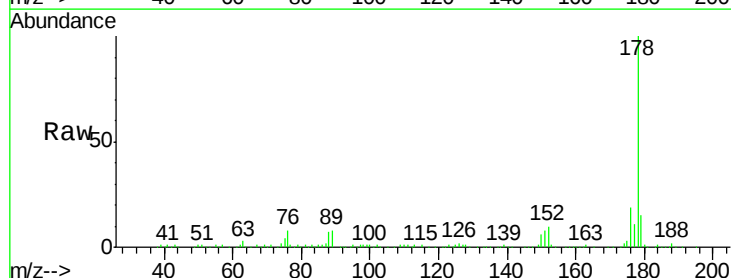
RT: 11.35 min Scan# 1574

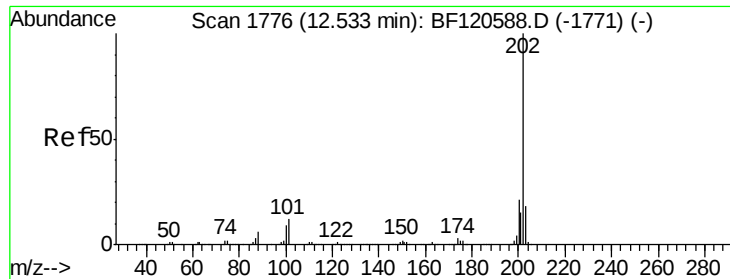
Delta R.T. 0.00 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Tgt Ion:	178	Resp:	164494
Ion Ratio		Lower	Upper
178	100		
176	19.0	15.9	23.9
179	15.3	12.8	19.2





#75

Fluoranthene

Concen: 10.527 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Instrument :

BNA_F

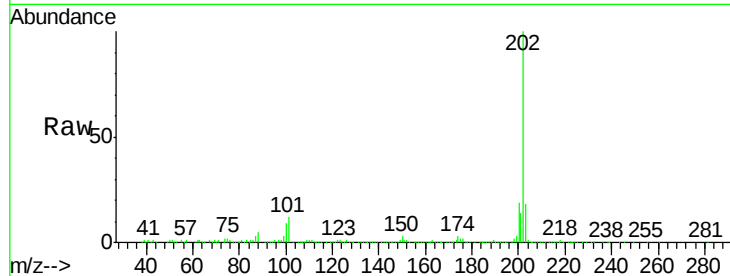
ClientSampleId :

OK-03-061720

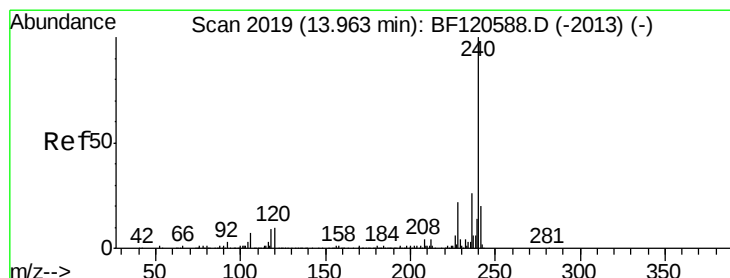
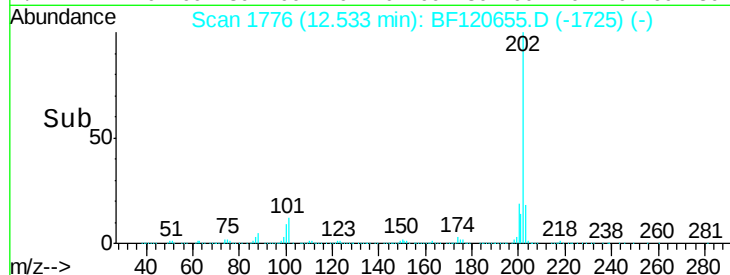
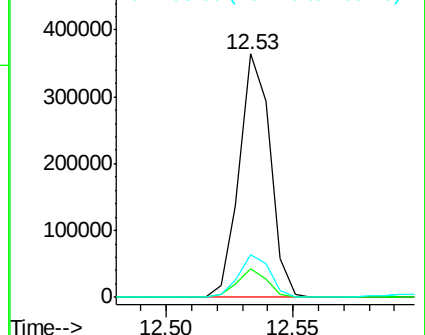
Tot Ion	Ratio	Resp	Lower	Upper
202	100	308963		
101	11.9	0.0	32.0	
203	17.7	0.0	38.3	

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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

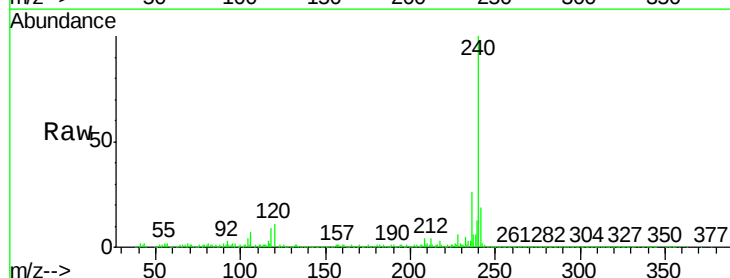
RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

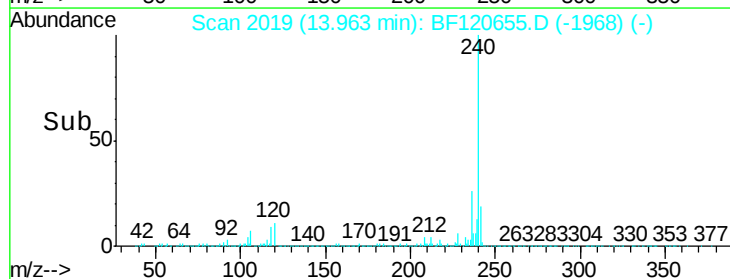
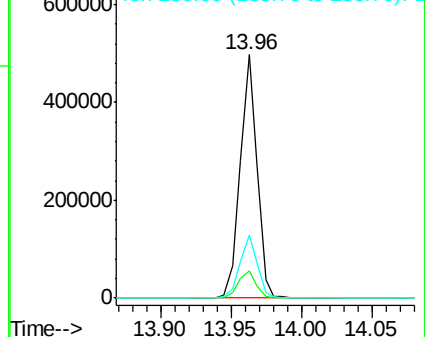
Lab File: BF120655.D

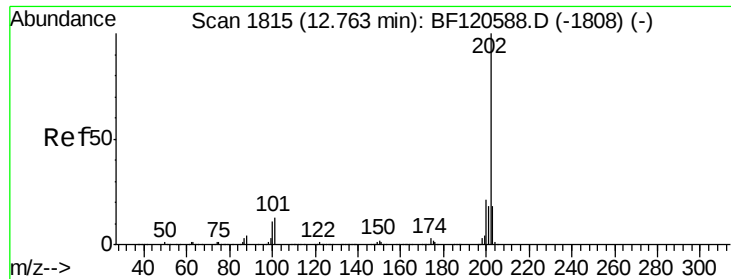
Acq: 18 Jun 2020 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	411931		
120	11.1	8.3	12.5	
236	26.0	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

Pvrene

Concen: 8.694 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Instrument :

BNA_F

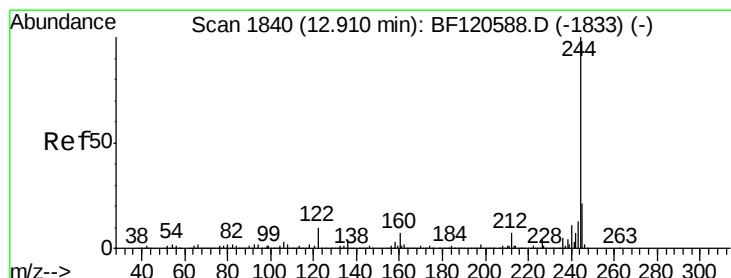
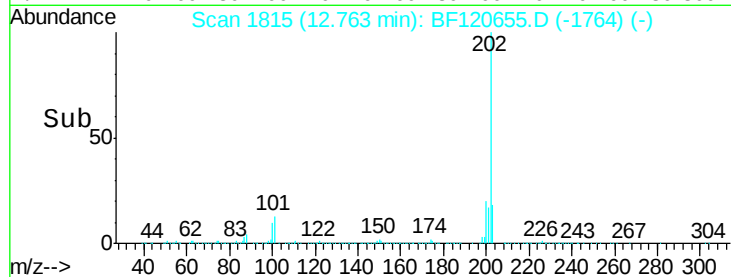
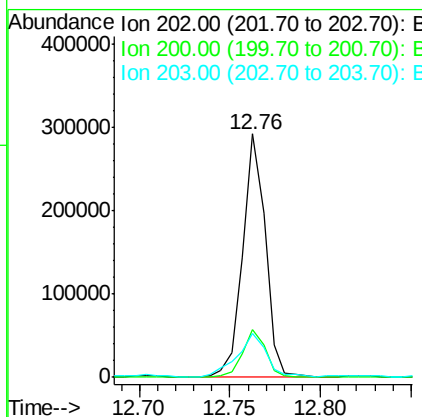
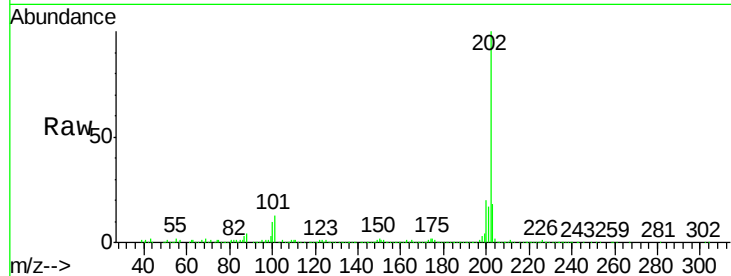
ClientSampleId :

OK-03-061720

Tot Ion:	202	Resp:	253695
Ion Ratio		Lower	Upper
202	100		
200	19.9	16.8	25.2
203	18.1	14.3	21.5

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#79

Terphenyl-d14

Concen: 25.816 ng

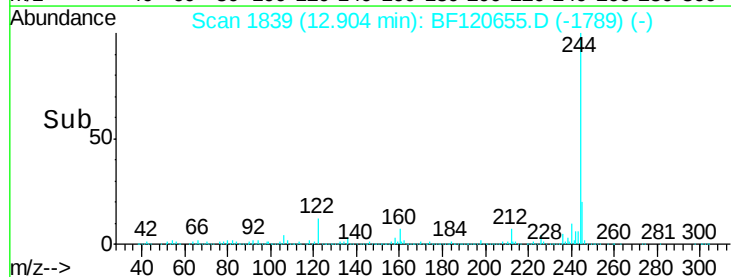
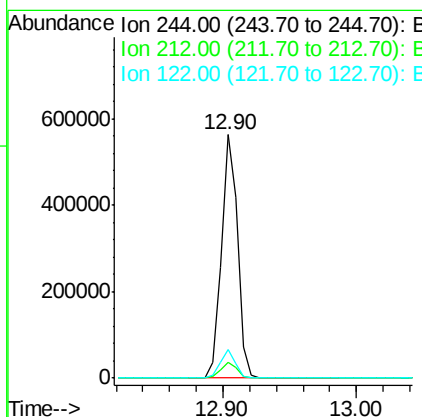
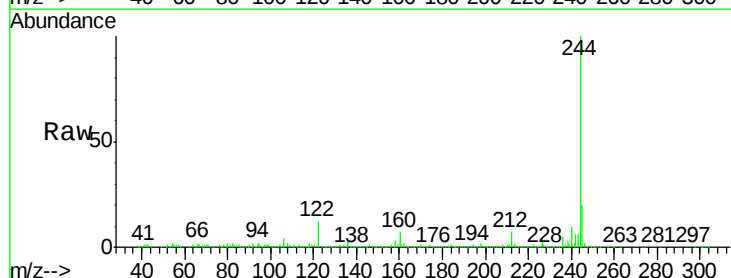
RT: 12.90 min Scan# 1839

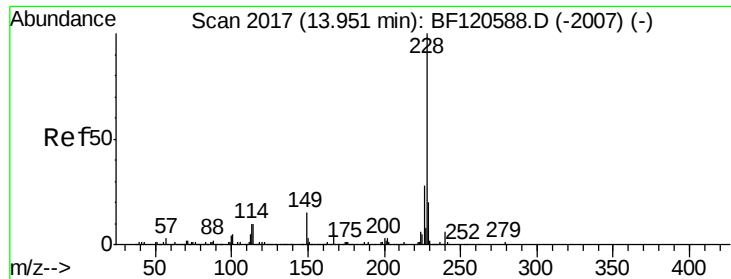
Delta R.T. -0.01 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Tgt Ion:	244	Resp:	481441
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.7	8.5
122	11.6	8.3	12.5





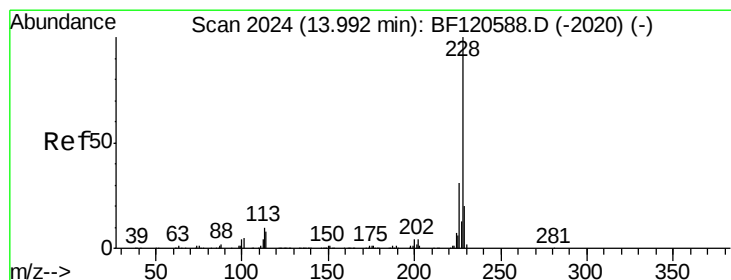
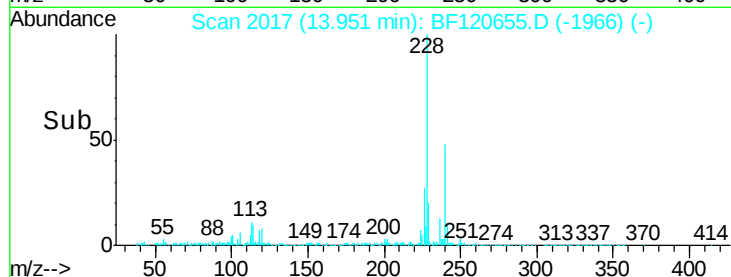
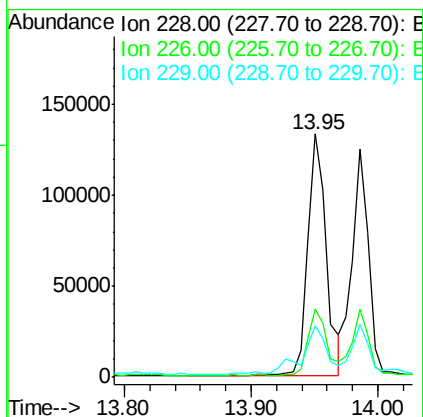
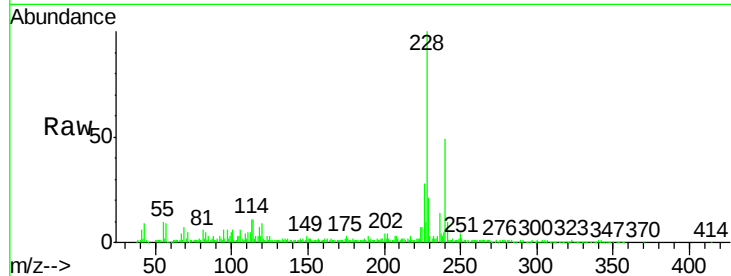
#81
Benzo(a)anthracene
Concen: 5.446 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Instrument :
BNA_F
ClientSampleId :
OK-03-061720

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.5	33.7
229	21.4	16.1	24.1

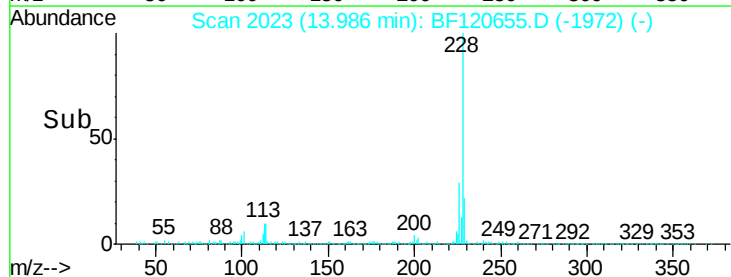
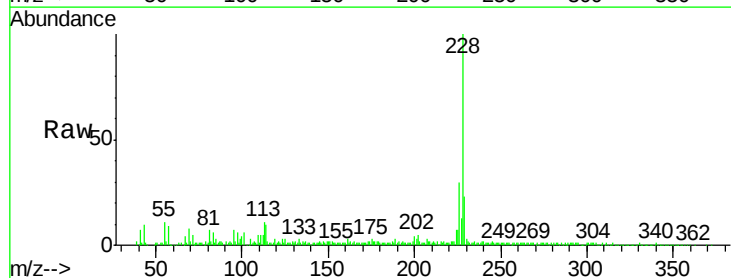
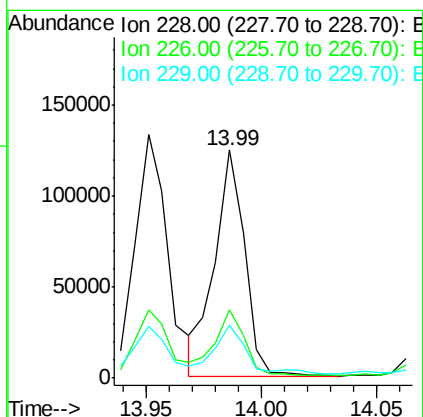
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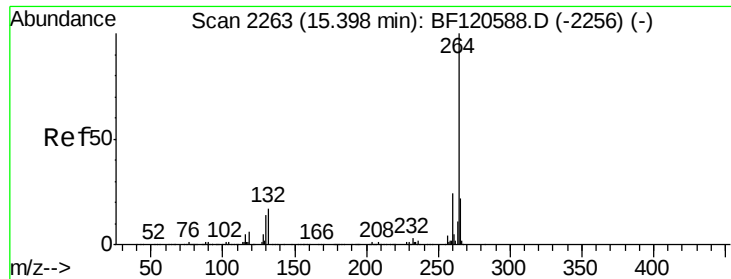
mohammad
6/19/2020 12:58:13 PM



#83
Chrysene
Concen: 4.444 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	23.0	16.1	24.1





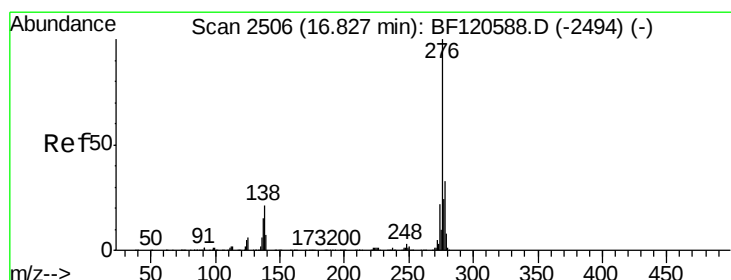
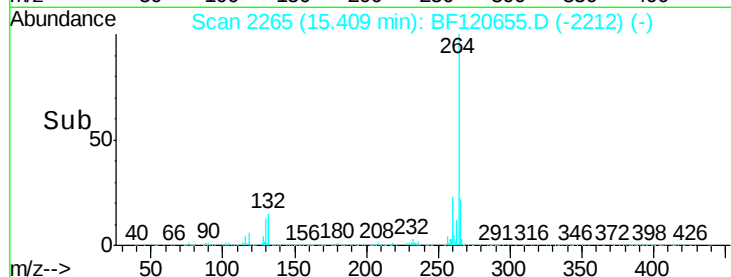
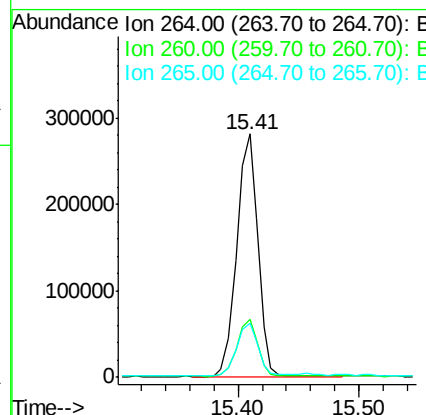
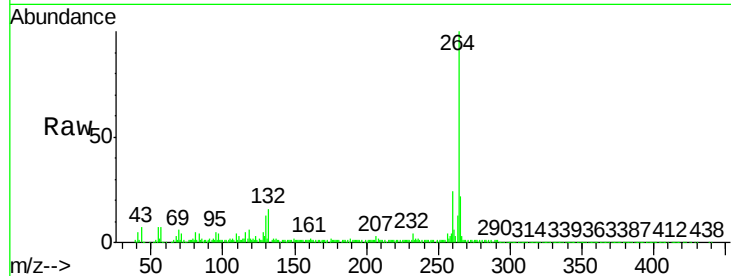
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Instrument :
BNA_F
ClientSampleId :
OK-03-061720

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	22.2	17.8	26.8

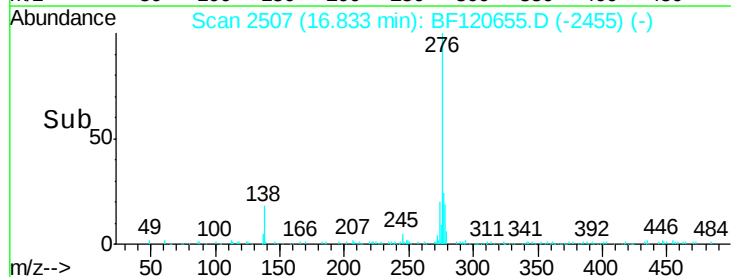
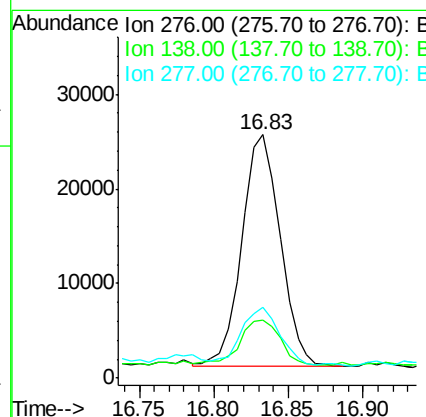
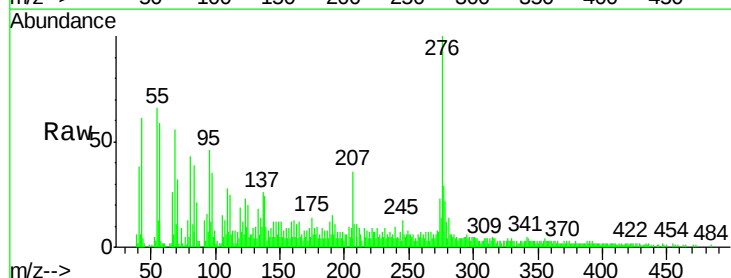
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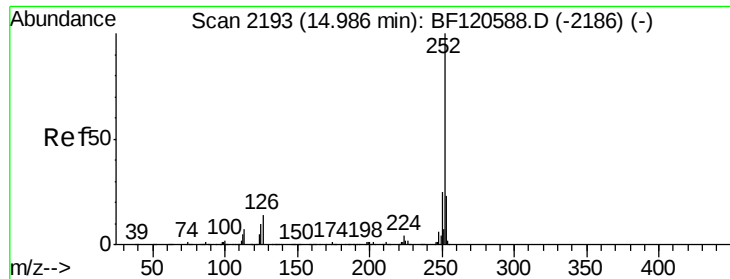
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.110 ng
RT: 16.83 min Scan# 2507
Delta R.T. 0.01 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	18.9	28.3
277	24.3	20.2	30.2





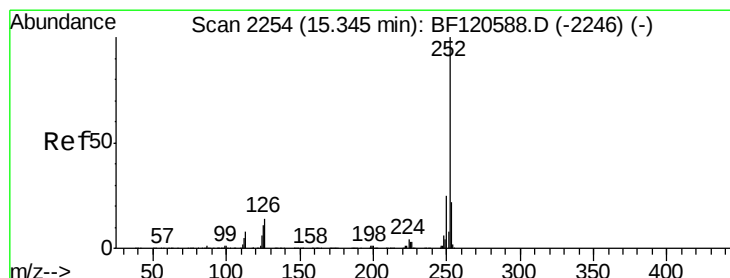
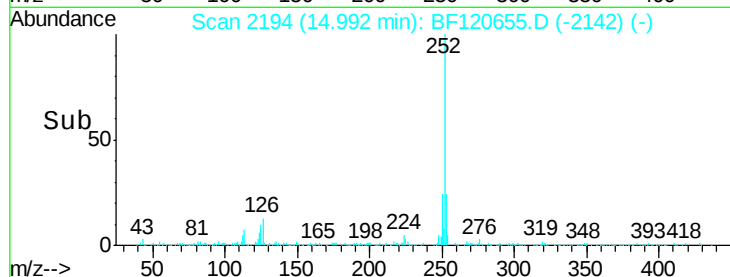
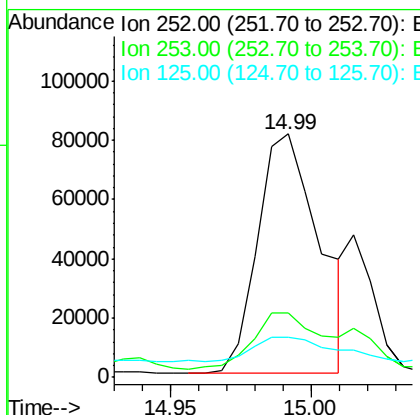
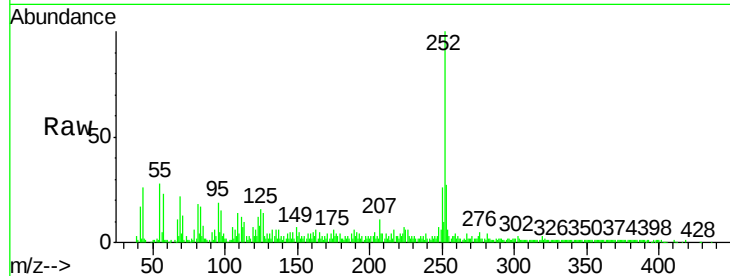
#88
Benzo(b)fluoranthene
Concen: 6.061 ng m
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Instrument :
BNA_F
ClientSampleId :
OK-03-061720

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.1	27.1
125	16.5	8.3	12.5#

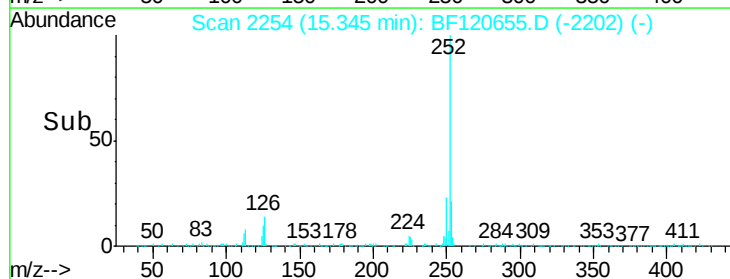
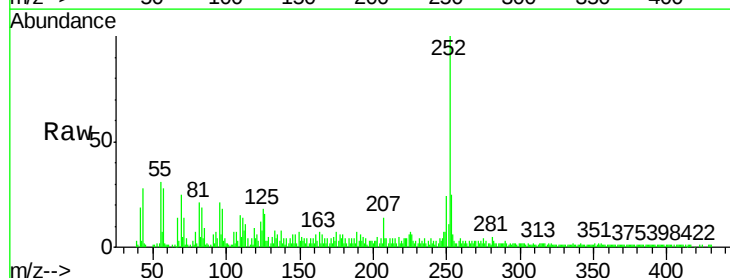
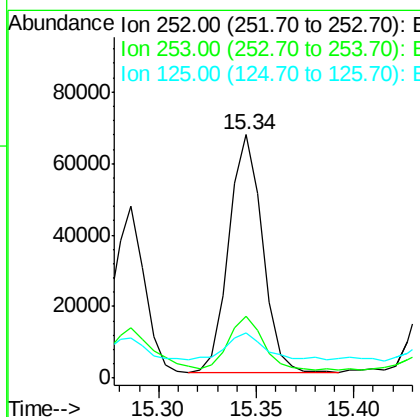
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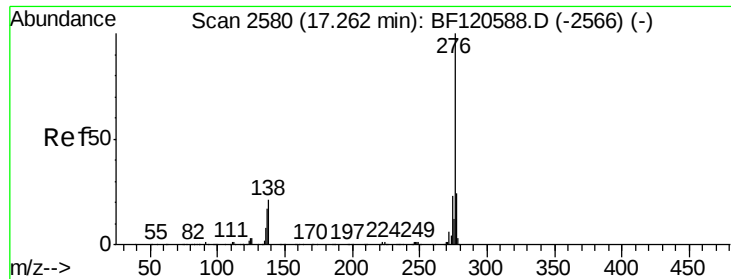
mohammad
6/19/2020 12:58:13 PM



#90
Benzo(a)pyrene
Concen: 4.315 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.8	26.8
125	18.3	8.6	12.8#





#92
 Benzo(a,h,i)perylene
 Concen: 2.475 ng
 RT: 17.26 min Scan# 2580
 Delta R.T. 0.01 min
 Lab File: BF120655.D
 Acq: 18 Jun 2020 21:26

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-061720

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.5	19.6	29.4
138	23.9	16.5	24.7

Manual Integrations
 APPROVED

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