

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120551.D
 Acq On : 4 Jun 2020 23:29
 Operator : JU/CG
 Sample : L2858-01 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT27247

Manual Integrations
 APPROVED

mohammad
 6/5/2020 11:58:22 AM

Quant Time: Jun 05 01:55:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 16:38:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	166265	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	663656	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	248729	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	443323	20.00	ng	0.00
76) Chrysene-d12	14.00	240	306679	20.00	ng	0.00
86) Perylene-d12	15.46	264	371629	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	73220	8.39	ng	0.00
7) Phenol-d6	6.46	99	89053	8.28	ng	-0.01
23) Nitrobenzene-d5	7.38	82	51786	5.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.65	330	20423	8.86	ng	-0.01
45) 2-Fluorobiphenyl	9.18	172	96507	6.58	ng	-0.01
79) Terphenyl-d14	12.94	244	101352	7.35	ng	0.00
Target Compounds						
75) Fluoranthene	12.57	202	55652	2.648	ng	98
78) Pyrene	12.80	202	109802	5.148	ng	99
81) Benzo(a)anthracene	13.99	228	37026m	2.253	ng	
83) Chrysene	14.02	228	42682m	2.477	ng	
88) Benzo(b)fluoranthene	15.03	252	58159m	2.818	ng	
90) Benzo(a)pyrene	15.39	252	42020	2.327	ng	# 87

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

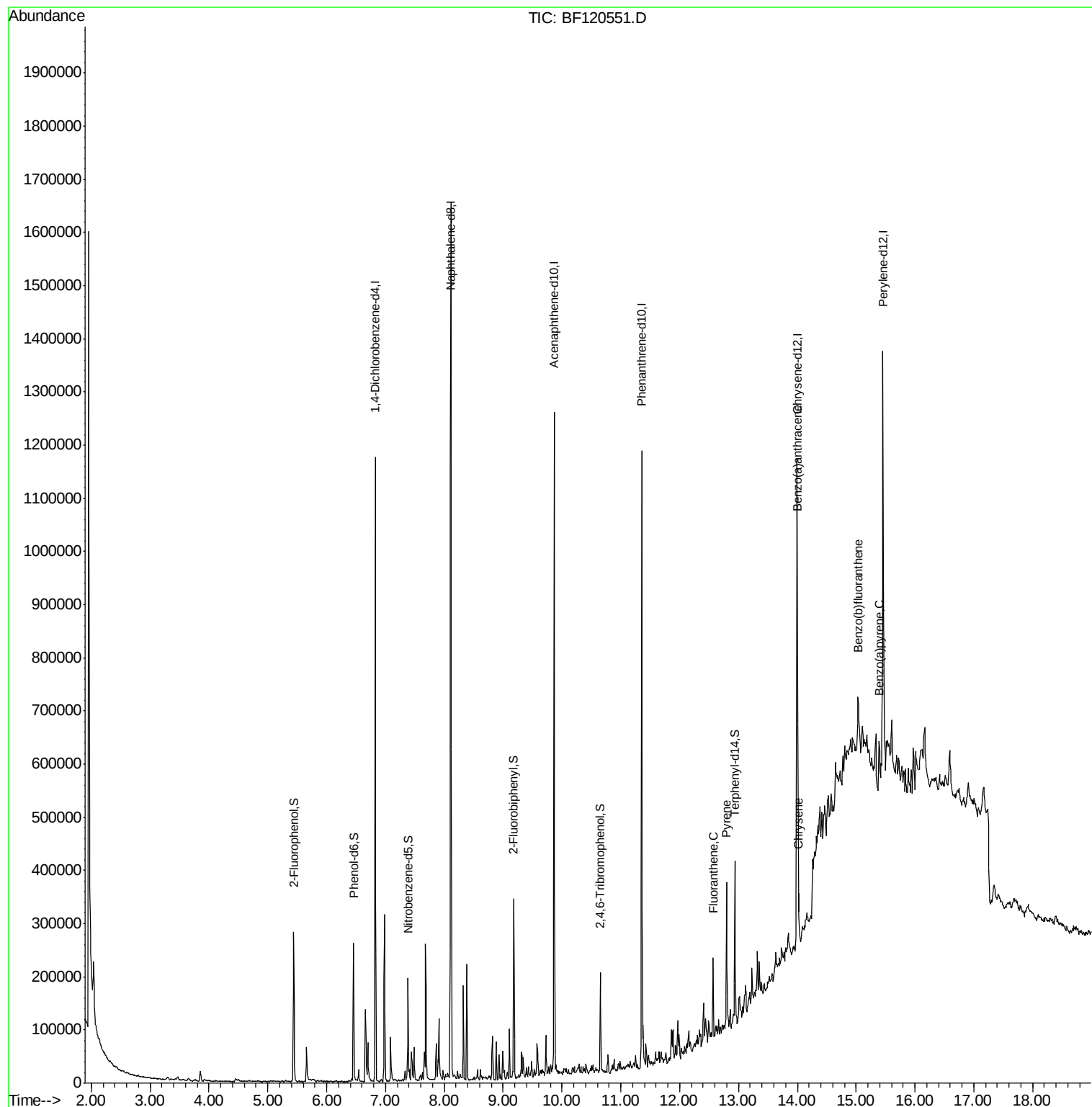
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120551.D
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Operator : JU/CG
Sample : L2858-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

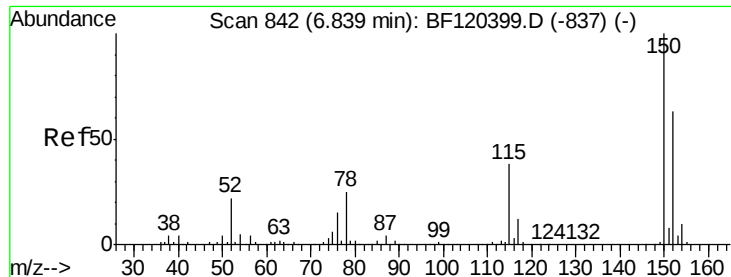
Instrument :
BNA_F
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CHRT27247

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Quant Time: Jun 05 01:55:24 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 04 16:38:34 2020
Response via : Initial Calibration





#1

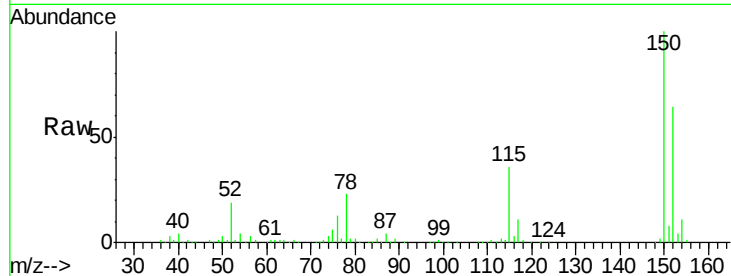
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Instrument :
BNA_F
ClientSampleId :
CHRT27247

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.3	189.5
115	56.8	48.1	72.1

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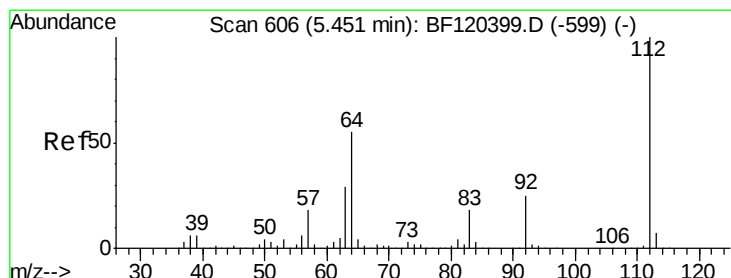
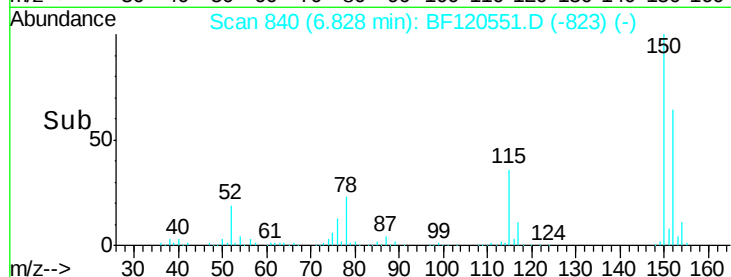
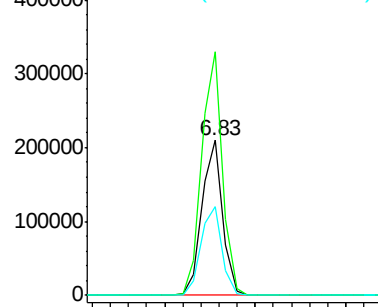


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

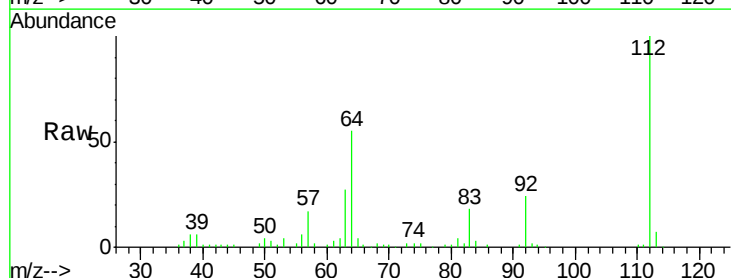
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 8.393 ng
RT: 5.44 min Scan# 604
Delta R.T. -0.01 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	47.2	70.8
63	27.4	24.7	37.1

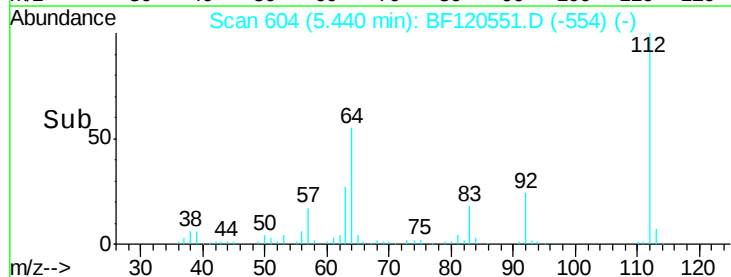
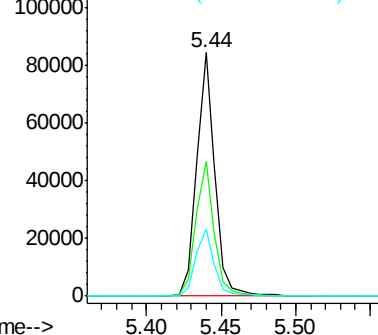


Abundance

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: 8.281 ng

RT: 6.46 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF120551.D

Acq: 4 Jun 2020 23:29

Instrument :

BNA_F

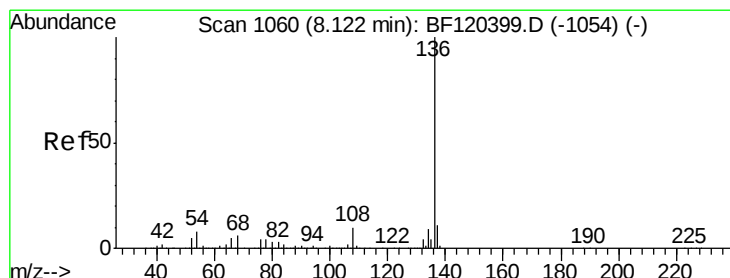
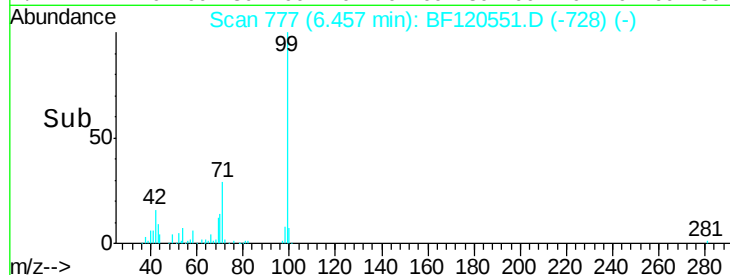
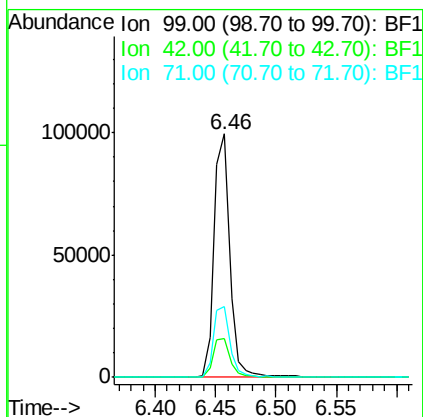
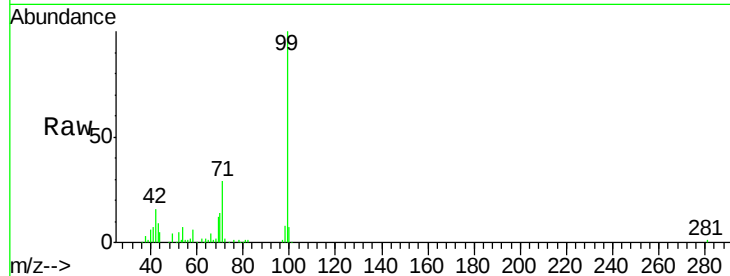
ClientSampleId :

CHRT27247

Tot Ion:	99	Resp:	89053
Ion Ratio	Lower	Upper	
99	100		
42	15.7	15.0	22.6
71	29.3	27.0	40.4

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#21

Naphthalene-d8

Concen: 20.000 ng

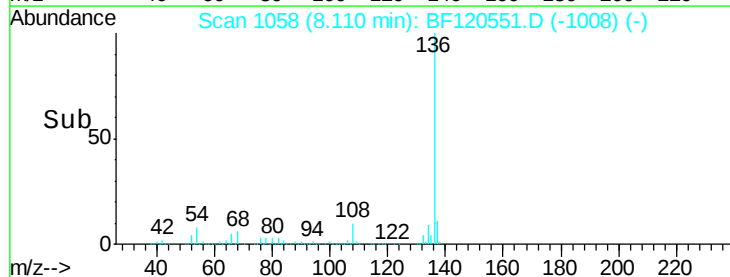
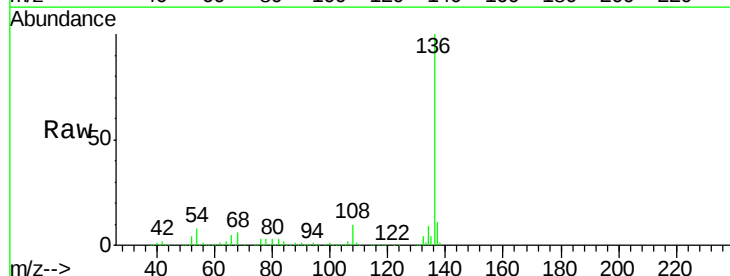
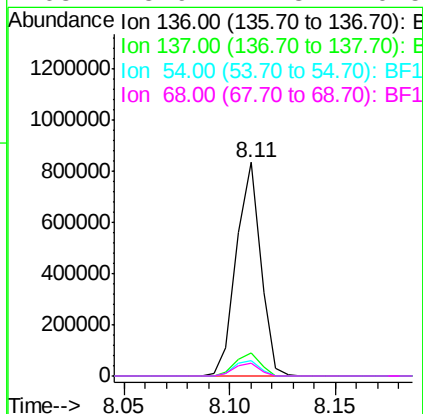
RT: 8.11 min Scan# 1058

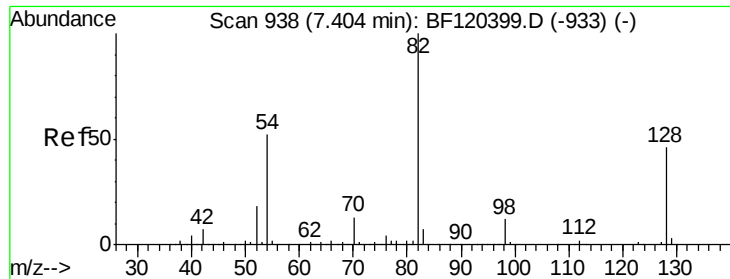
Delta R.T. -0.01 min

Lab File: BF120551.D

Acq: 4 Jun 2020 23:29

Tgt Ion:	136	Resp:	663656
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	7.5	5.4	8.0
68	5.9	4.3	6.5





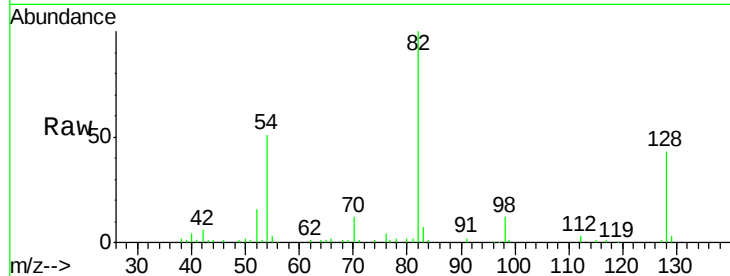
#23
Nitrobenzene-d5
Concen: 5.104 ng
RT: 7.38 min Scan# 934
Delta R.T. -0.02 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Instrument :
BNA_F
ClientSampleId :
CHRT27247

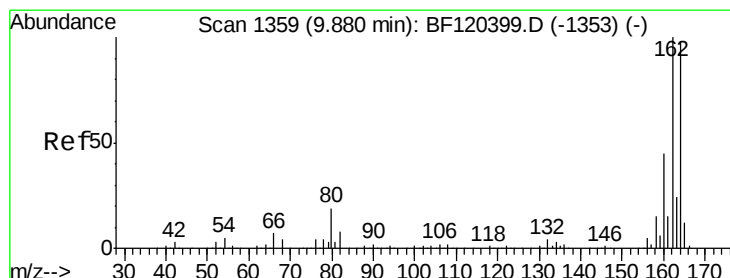
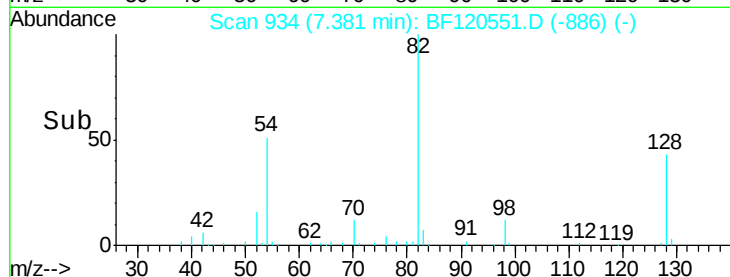
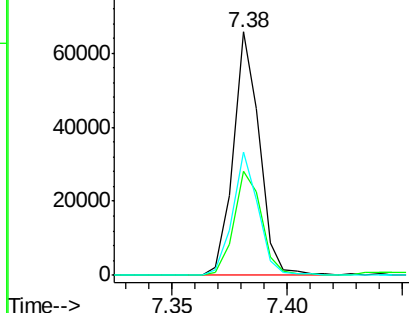
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.7	55.1
54	50.7	40.0	60.0

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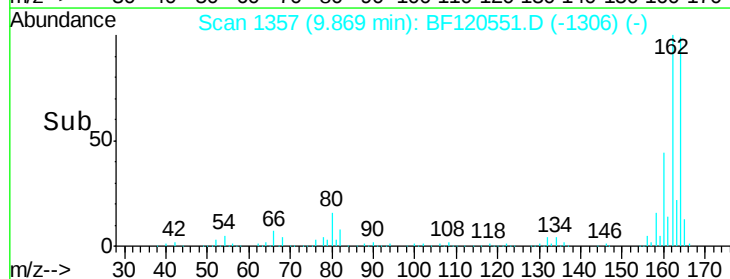
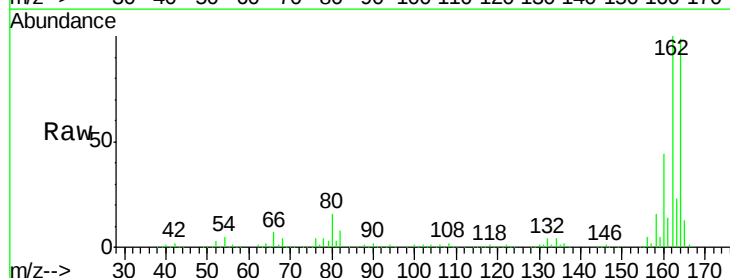
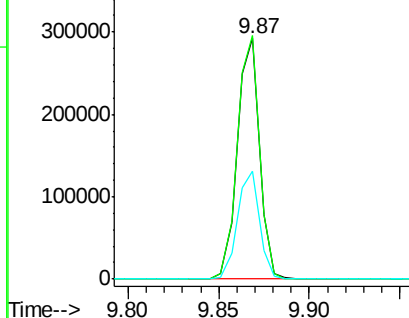
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1357
Delta R.T. 0.00 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.2	121.8
160	44.9	37.0	55.4

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





#42

2,4,6-Tribromophenol

Concen: 8.862 ng

RT: 10.65 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BF120551.D

Acq: 4 Jun 2020 23:29

Instrument :

BNA_F

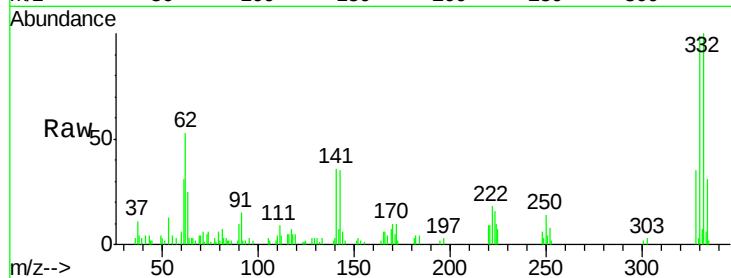
ClientSampleId :

CHRT27247

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.4
141	37.3	23.8	35.8

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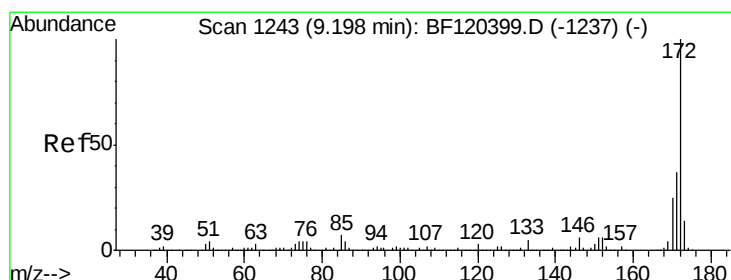
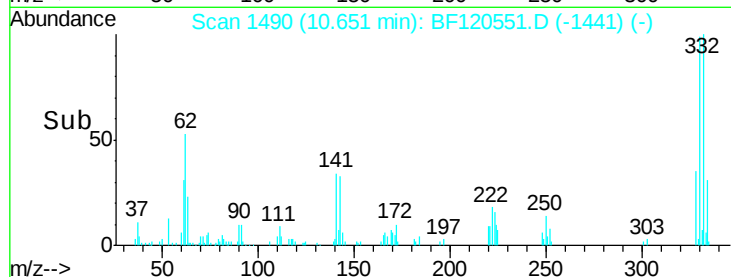
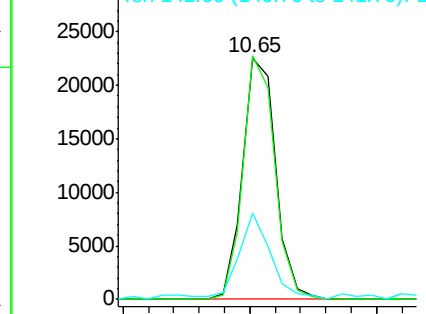


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 6.583 ng

RT: 9.18 min Scan# 1240

Delta R.T. -0.01 min

Lab File: BF120551.D

Acq: 4 Jun 2020 23:29

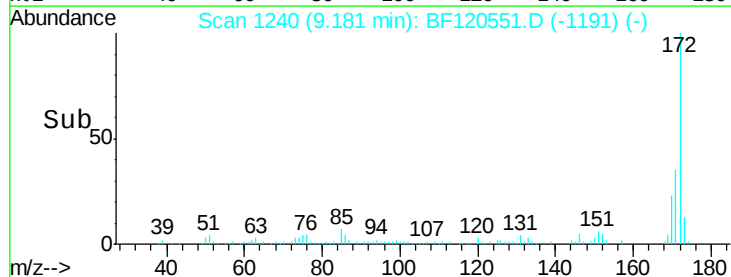
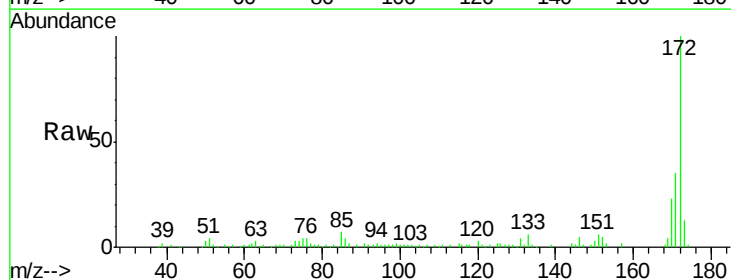
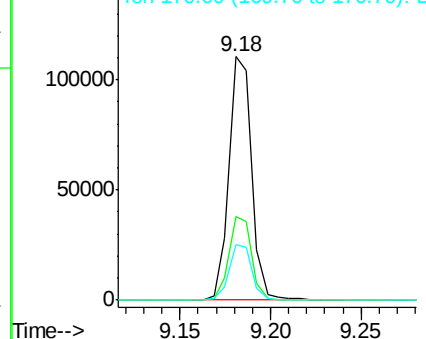
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.5	44.3
170	23.0	19.8	29.6

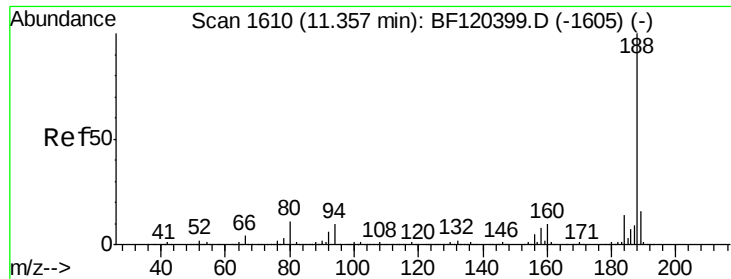
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BF120551.D

Acq: 4 Jun 2020 23:29

Instrument :

BNA_F

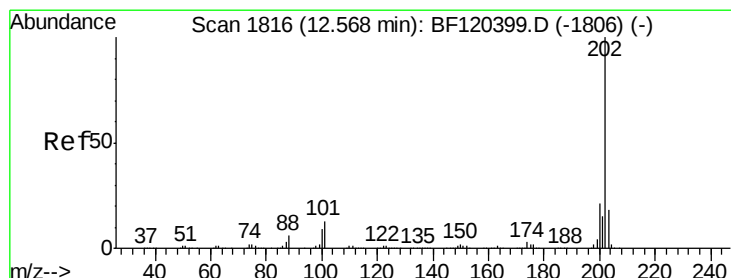
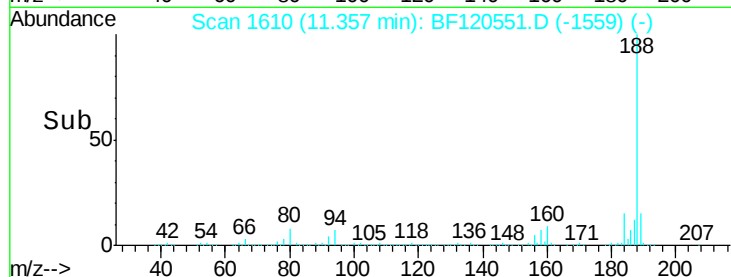
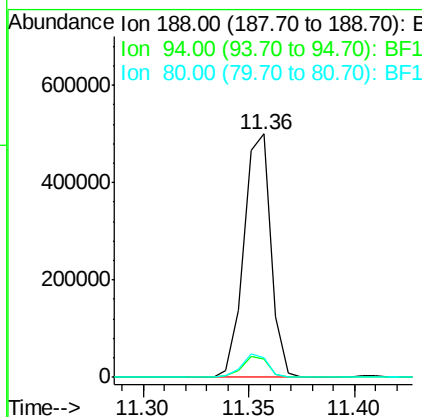
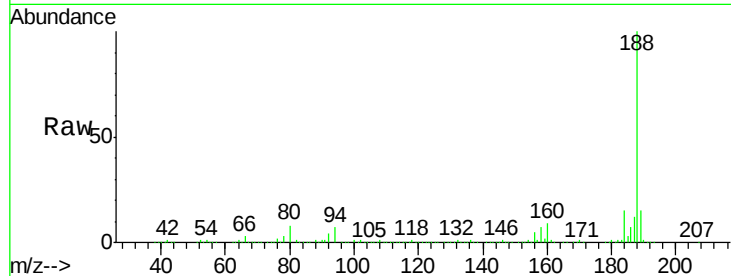
ClientSampleId :

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Tot Ion:	188	Resp:	443323
Ion Ratio	Lower	Upper	
188	100		
94	7.5	7.4	11.2
80	7.9	7.6	11.4

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#75

Fluoranthene

Concen: 2.648 ng

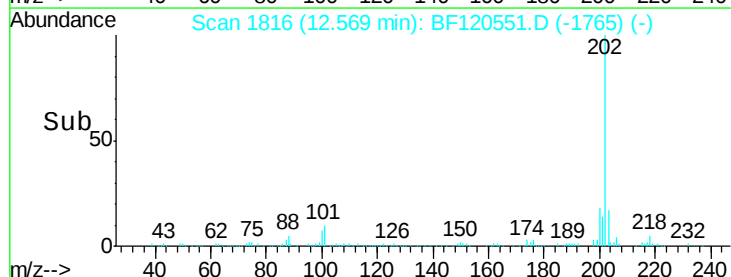
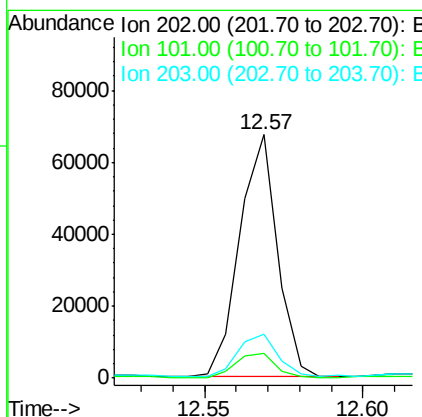
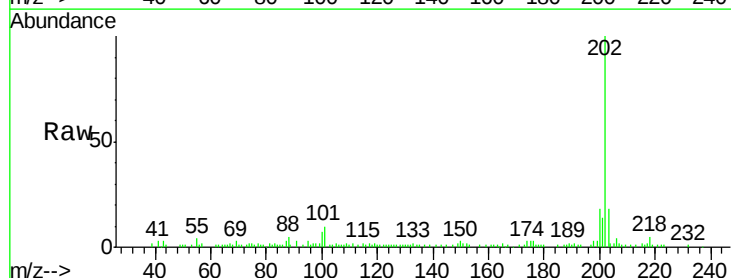
RT: 12.57 min Scan# 1816

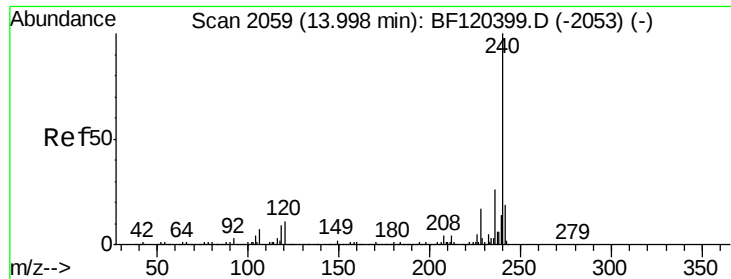
Delta R.T. 0.00 min

Lab File: BF120551.D

Acq: 4 Jun 2020 23:29

Tgt Ion:	202	Resp:	55652
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	31.3
203	18.0	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120551.D

Acq: 4 Jun 2020 23:29

Instrument :

BNA_F

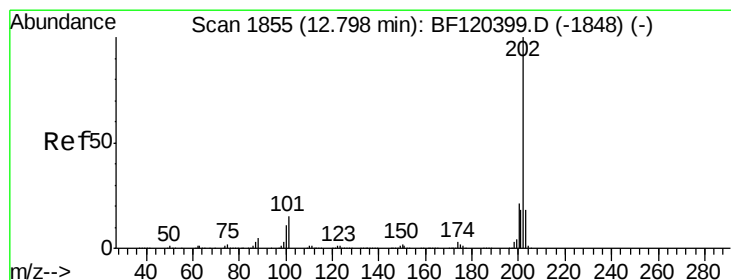
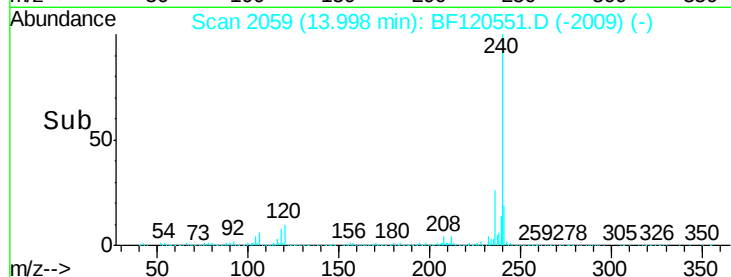
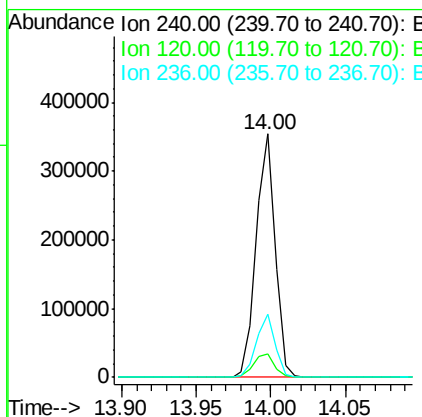
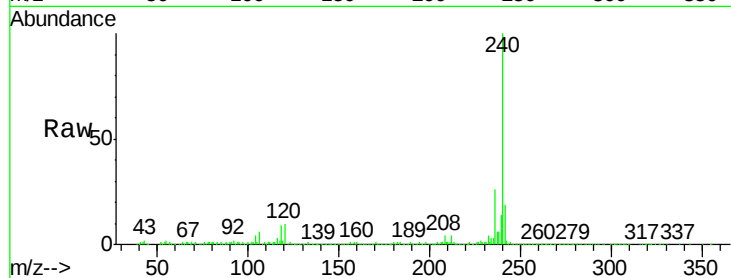
ClientSampleId :

CHRT27247

Tot Ion:	240	Resp:	306679
Ion Ratio	Lower	Upper	
240	100		
120	9.9	7.7	11.5
236	25.7	20.8	31.2

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#78

Pyrene

Concen: 5.148 ng

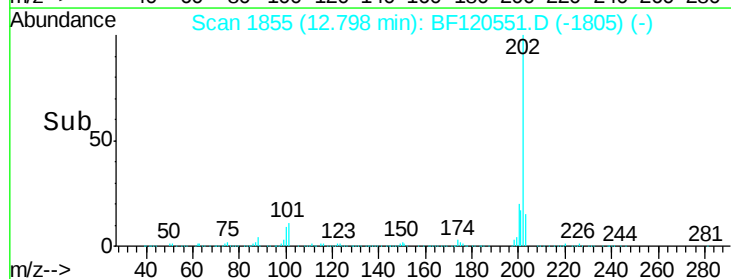
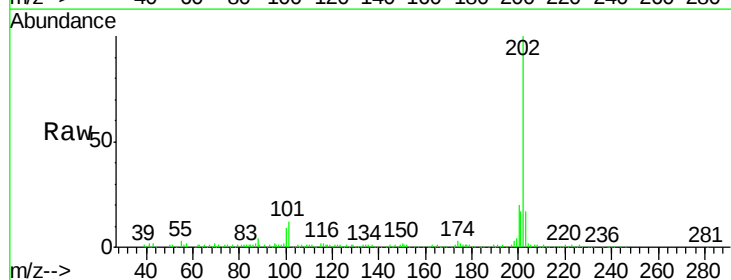
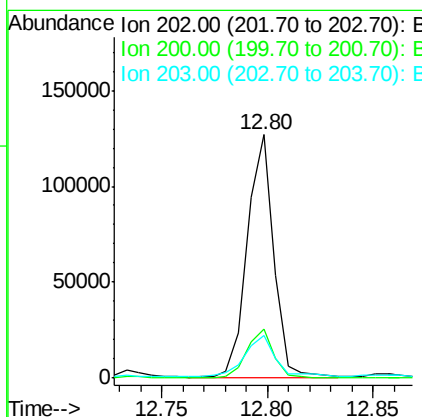
RT: 12.80 min Scan# 1855

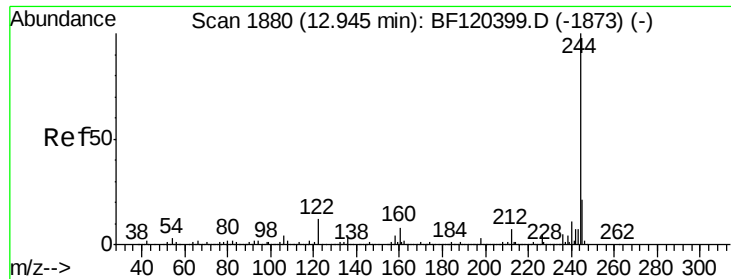
Delta R.T. -0.01 min

Lab File: BF120551.D

Acq: 4 Jun 2020 23:29

Tgt Ion:	202	Resp:	109802
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.0	25.6
203	17.3	14.2	21.2





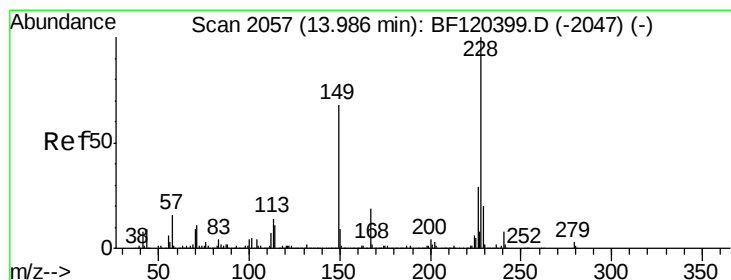
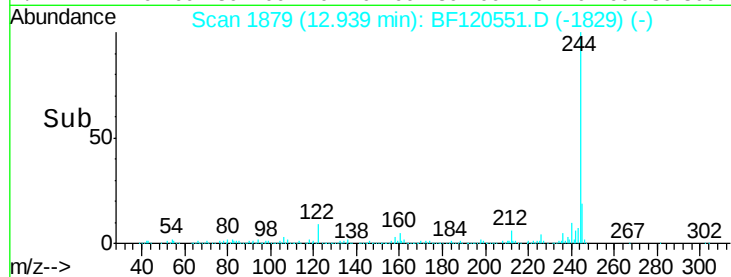
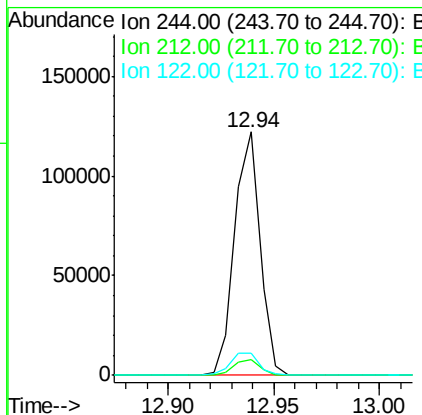
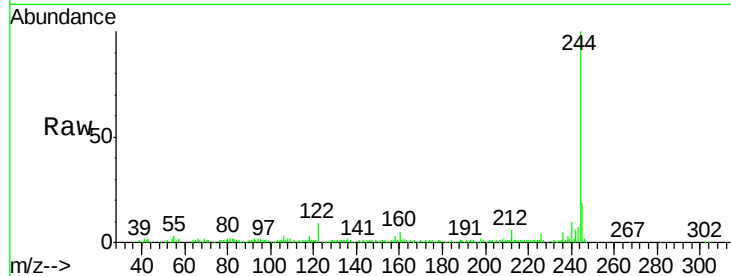
#79
 Terphenyl-d14
 Concen: 7.354 ng
 RT: 12.94 min Scan# 1879
 Delta R.T. -0.01 min
 Lab File: BF120551.D
 Acq: 4 Jun 2020 23:29

Instrument :
 BNA_F
 ClientSampleId :
 CHRT27247

Tot Ion:	244	Resp:	101352
Ion Ratio		Lower	Upper
244	100		
212	6.3	5.7	8.5
122	9.4	8.0	12.0

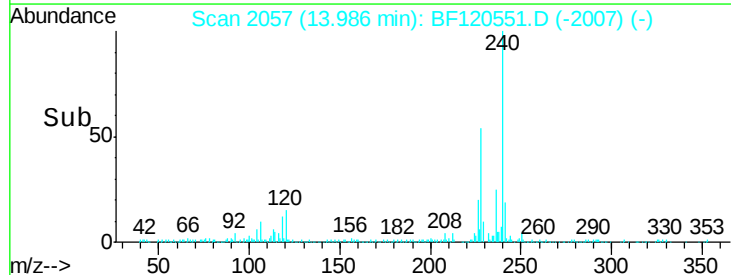
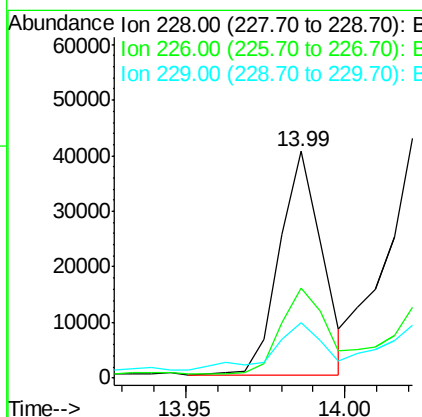
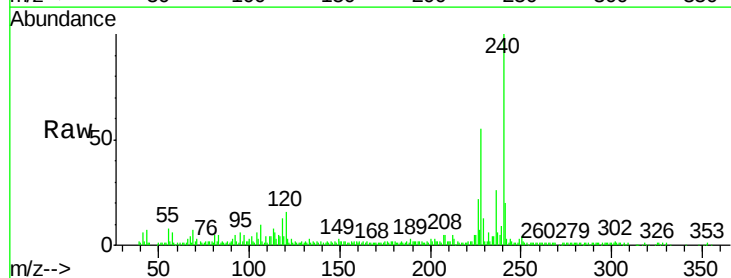
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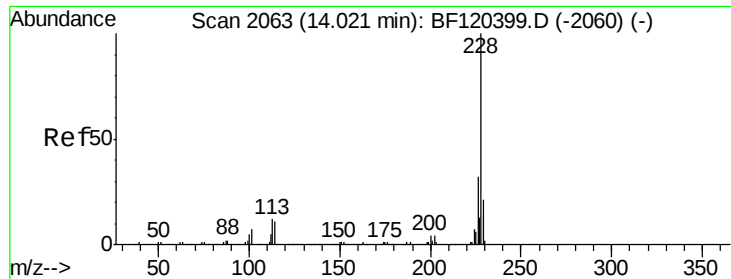
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#81
 Benzo(a)anthracene
 Concen: 2.253 ng m
 RT: 13.99 min Scan# 2057
 Delta R.T. -0.01 min
 Lab File: BF120551.D
 Acq: 4 Jun 2020 23:29

Tgt Ion:	228	Resp:	37026
Ion Ratio		Lower	Upper
228	100		
226	39.7	22.4	33.6#
229	24.7	16.2	24.2#





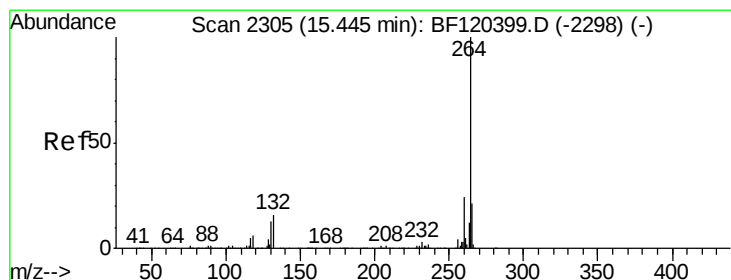
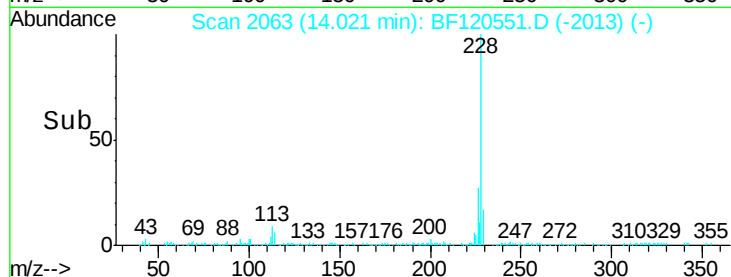
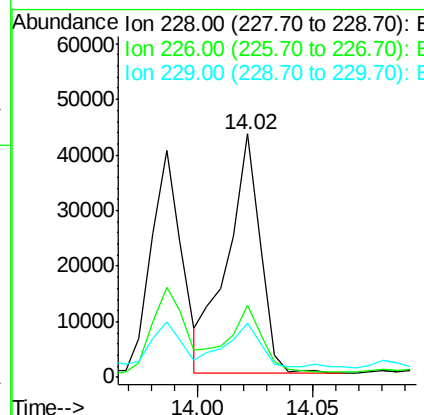
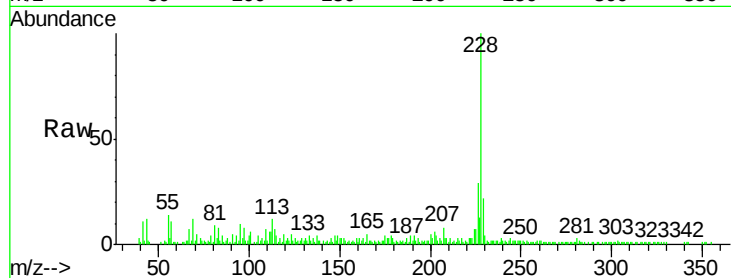
#83
Chrysene
Concen: 2.477 ng/ml
RT: 14.02 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Instrument :
BNA_F
ClientSampleId :
CHRT27247

Tot Ion:	228	Resp:	42682
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.6	38.4
229	22.2	16.2	24.2

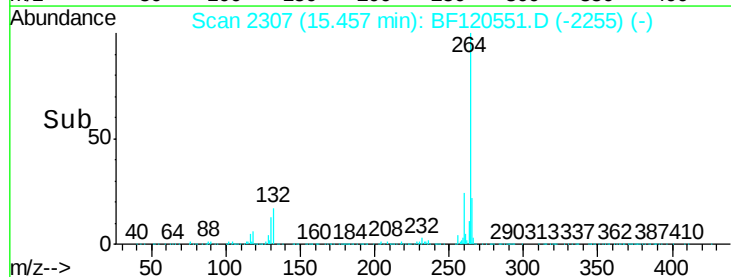
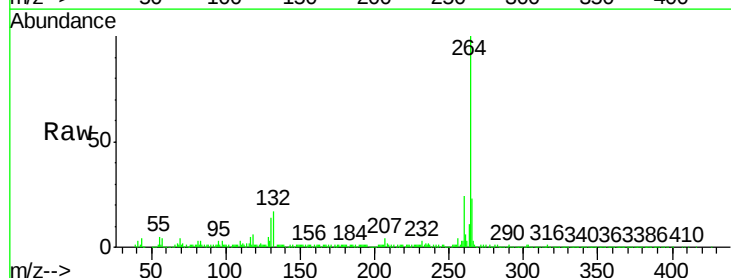
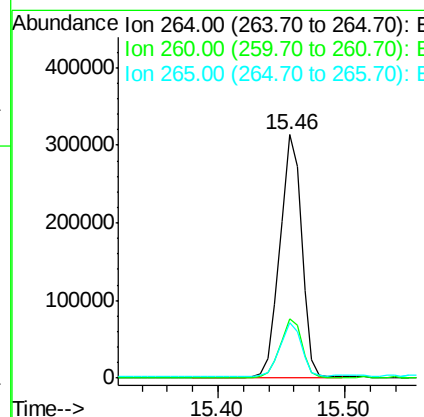
Manual Integrations
APPROVED

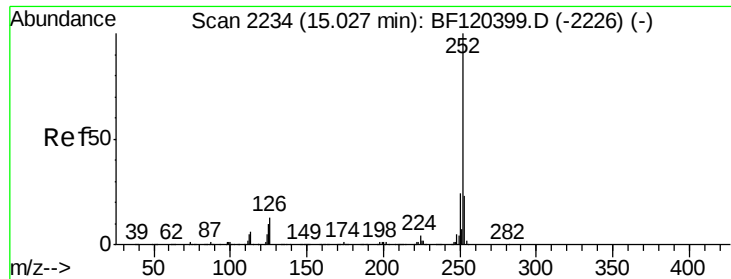
mohammad
6/5/2020 11:58:22 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Tgt Ion:	264	Resp:	371629
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	22.6	17.5	26.3





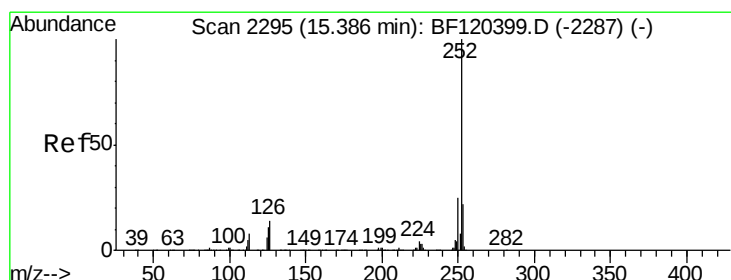
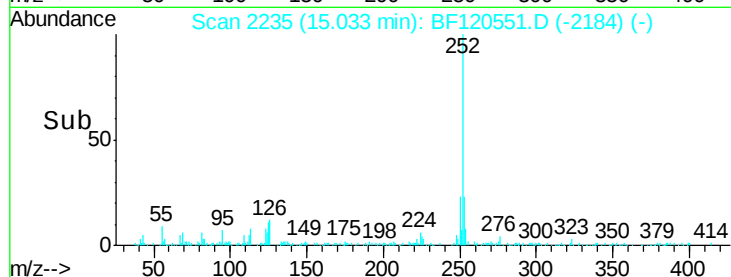
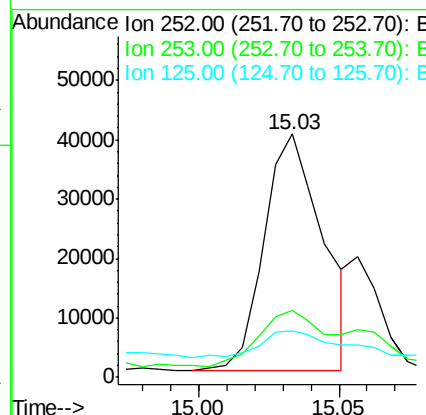
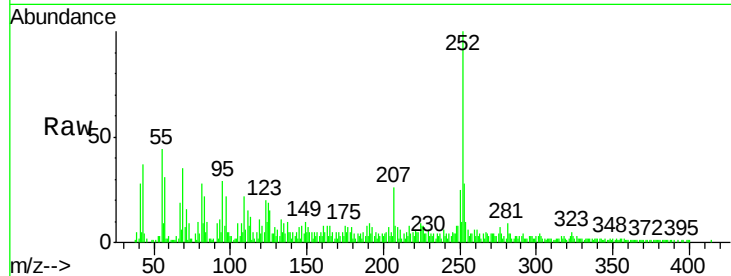
#88
Benzo(b)fluoranthene
Concen: 2.818 ng/mL
RT: 15.03 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Instrument :
BNA_F
ClientSampleId :
CHRT27247

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.0	27.0#
125	18.8	8.3	12.5#

Manual Integrations
APPROVED

mohammad
6/5/2020 11:58:22 AM



#90
Benzo(a)pyrene
Concen: 2.327 ng/mL
RT: 15.39 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.0	18.2	27.2#
125	18.8	9.6	14.4#

