

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121140.D
 Acq On : 30 Jul 2020 21:21
 Operator : JU/CG
 Sample : L3436-10 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10

Manual Integrations
 APPROVED

Sohil
 7/31/2020 12:12:00 PM

Quant Time: Jul 31 02:37:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	132102	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	506928	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	254243	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	443785	20.00	ng	0.00
76) Chrysene-d12	13.97	240	329843	20.00	ng	0.00
86) Perylene-d12	15.43	264	322013	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	152361	18.91	ng	-0.01
7) Phenol-d6	6.43	99	195009	18.73	ng	-0.02
23) Nitrobenzene-d5	7.36	82	112215	12.81	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	44016	15.82	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	240921	14.15	ng	0.00
79) Terphenyl-d14	12.91	244	211150	13.92	ng	0.00

Target Compounds				Qvalue		
49) Acenaphthylene	9.70	152	53021	2.158	ng	99
50) Dimethylphthalate	9.55	163	43726	2.384	ng	# 99
58) Fluorene	10.39	166	38166	2.266	ng	96
71) Phenanthrene	11.35	178	271473	11.894	ng	99
72) Anthracene	11.40	178	103502	4.516	ng	98
75) Fluoranthene	12.54	202	489852	19.363	ng	98
78) Pyrene	12.77	202	501457	21.503	ng	99
80) Butylbenzylphthalate	13.39	149	54498	5.242	ng	94
81) Benzo(a)anthracene	13.96	228	235857	11.808	ng	95
83) Chrysene	14.00	228	224533	10.697	ng	96
87) Indeno(1,2,3-cd)pyrene	16.87	276	89508	3.997	ng	98
88) Benzo(b)fluoranthene	15.00	252	246681m	12.673	ng	
89) Benzo(k)fluoranthene	15.03	252	82656m	4.656	ng	
90) Benzo(a)pyrene	15.36	252	181655	10.229	ng	# 94
92) Benzo(a,h,i)perylene	17.30	276	84163	4.666	ng	94

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

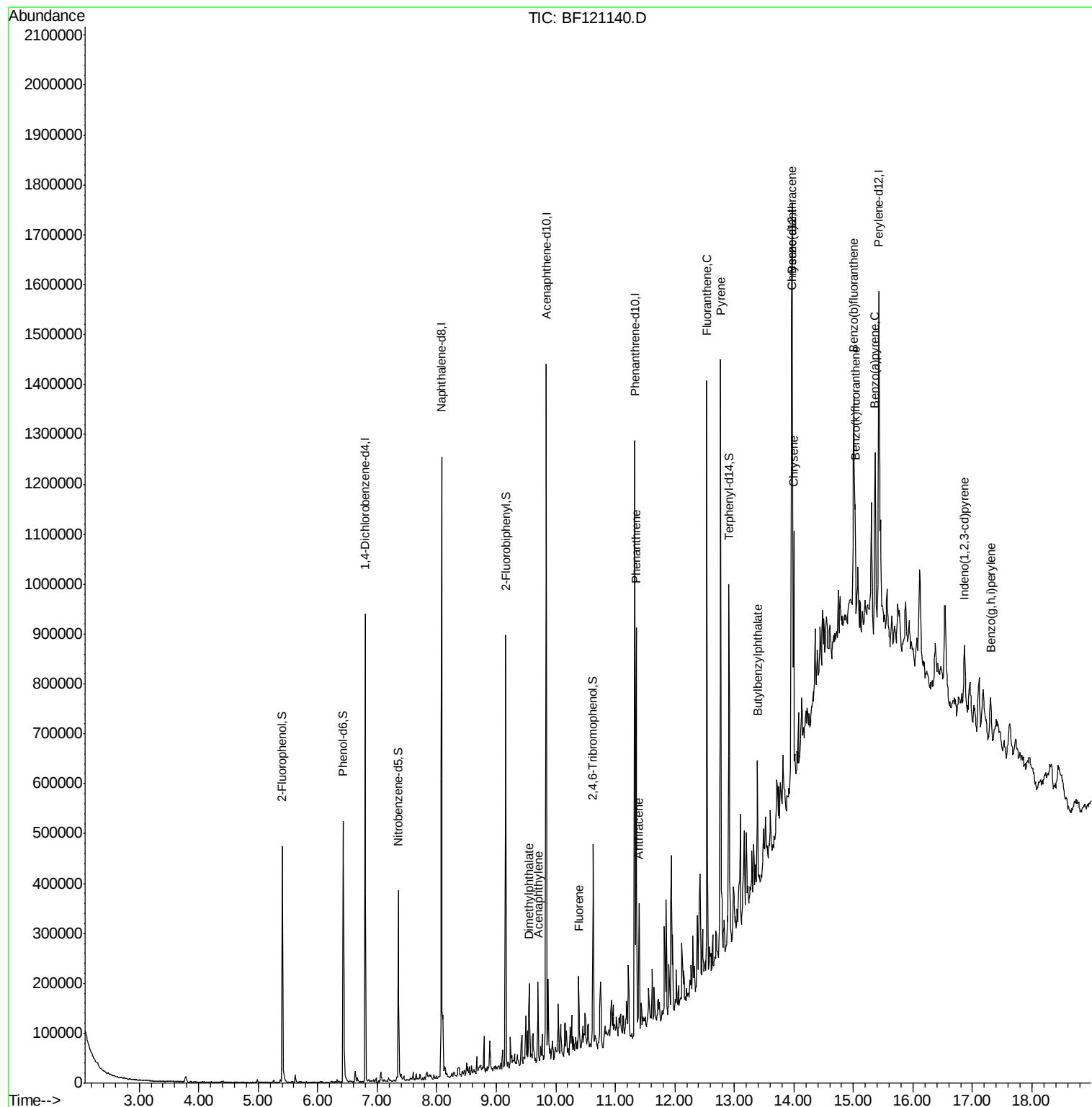
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121140.D
Acq On : 30 Jul 2020 21:21
Operator : JU/CG
Sample : L3436-10 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
10

Manual Integrations
APPROVED

Sohil
7/31/2020 12:12:00 PM

Quant Time: Jul 31 02:37:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 14:55:43 2020
Response via : Initial Calibration





#1

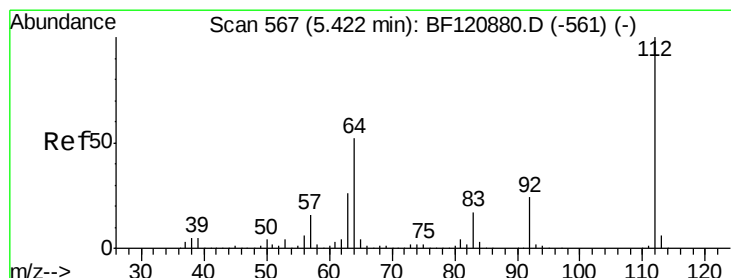
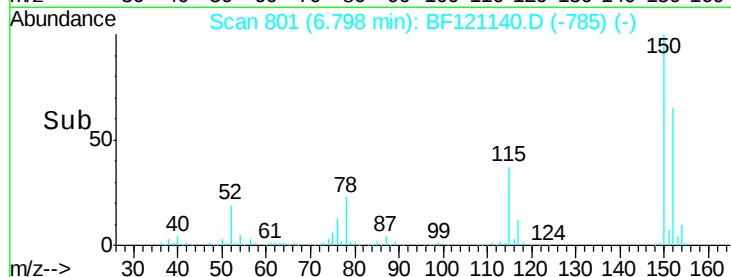
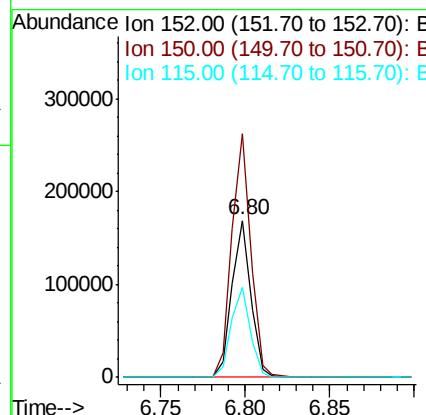
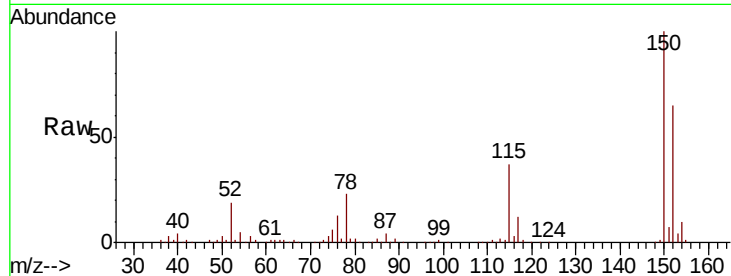
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Instrument :
BNA_F
ClientSampleId :
10

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.6	188.4
115	57.3	46.2	69.2

Manual Integrations
APPROVED

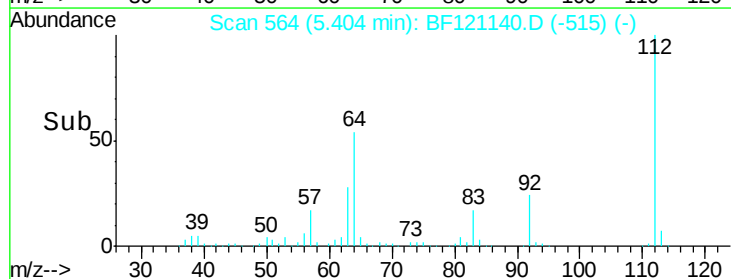
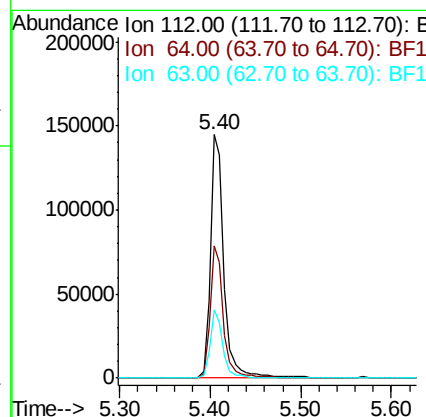
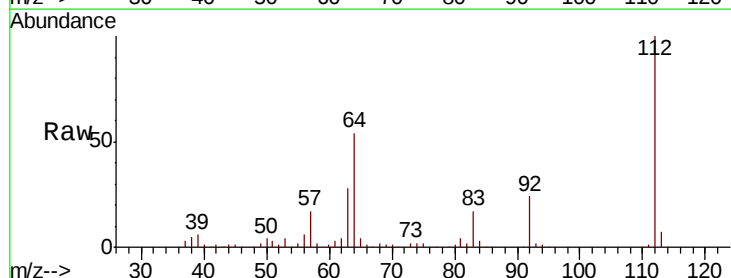
Sohil
7/31/2020 12:12:00 PM

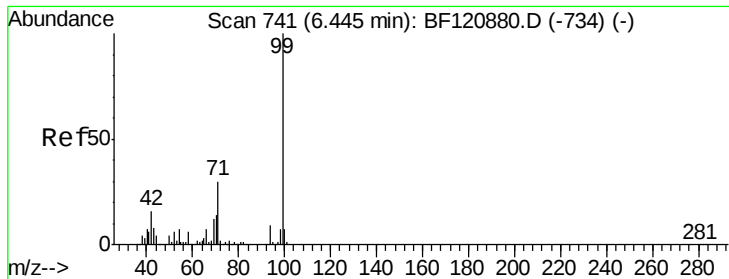


#5

2-Fluorophenol
Concen: 18.908 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	43.9	65.9
63	27.9	22.7	34.1





#7

Phenol-d6

Concen: 18.734 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121140.D

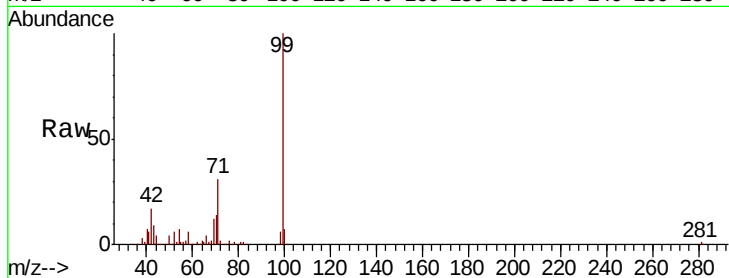
Acq: 30 Jul 2020 21:21

Instrument :

BNA_F

ClientSampled :

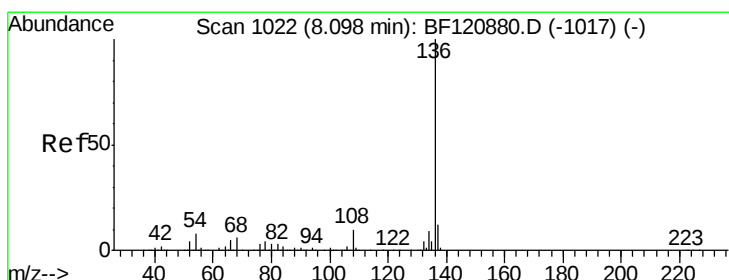
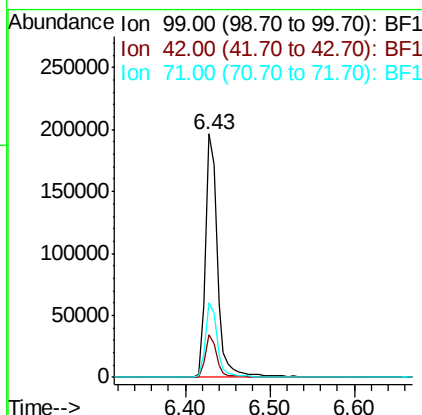
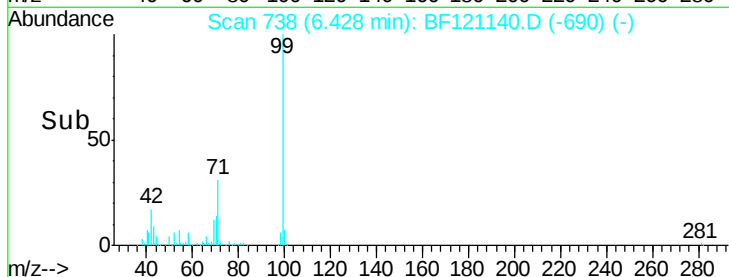
10



Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		195009		
42	17.5	13.5	20.3		
71	30.8	25.0	37.4		

Manual Integrations
APPROVED

Sohil
7/31/2020 12:12:00 PM



#21

Naphthalene-d8

Concen: 20.000 ng

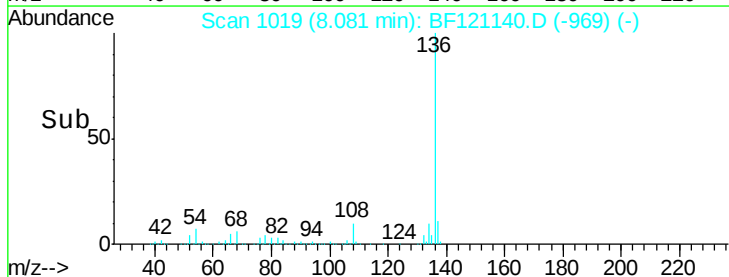
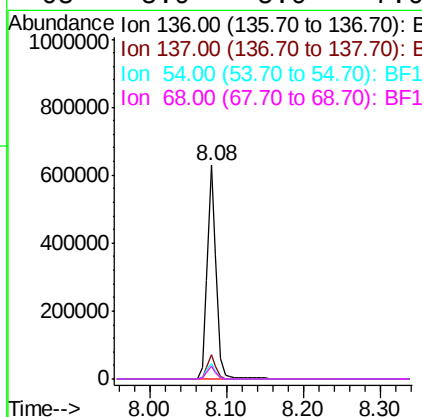
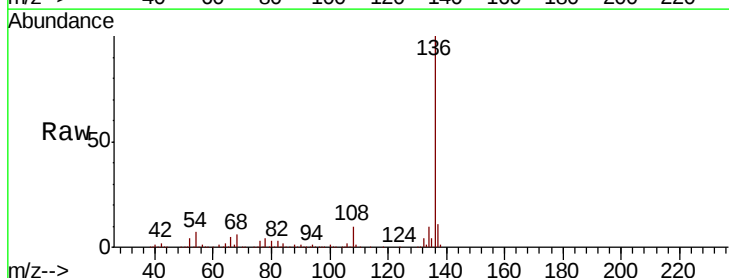
RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF121140.D

Acq: 30 Jul 2020 21:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		506928		
137	11.2	9.0	13.4		
54	7.5	6.1	9.1		
68	5.9	5.0	7.6		





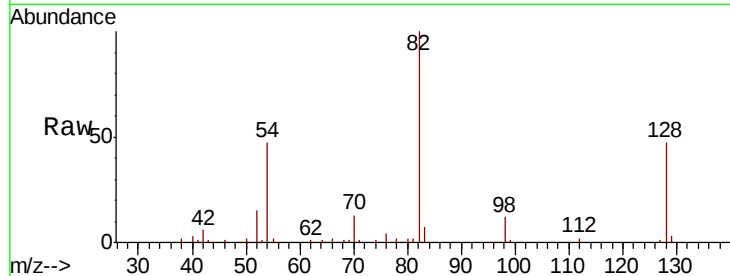
#23
Nitrobenzene-d5
Concen: 12.809 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Instrument :
BNA_F
ClientSampled :
10

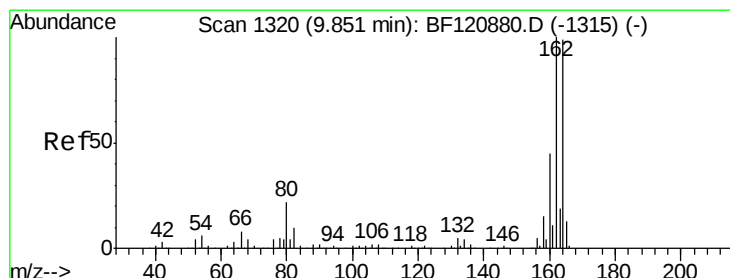
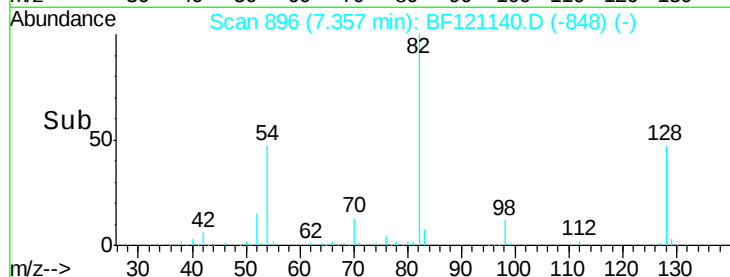
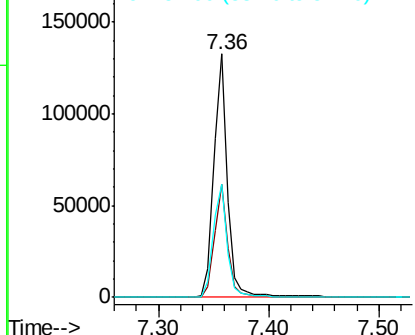
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	39.2	58.8
54	46.7	37.8	56.8

Manual Integrations
APPROVED

Sohil
7/31/2020 12:12:00 PM



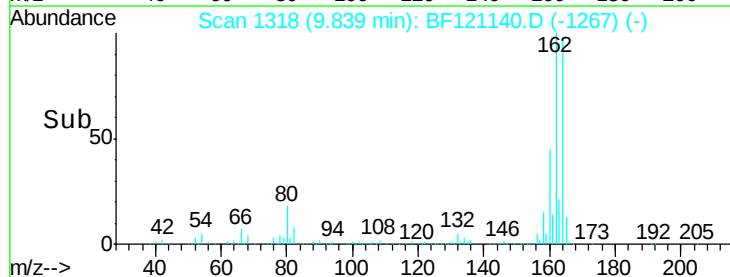
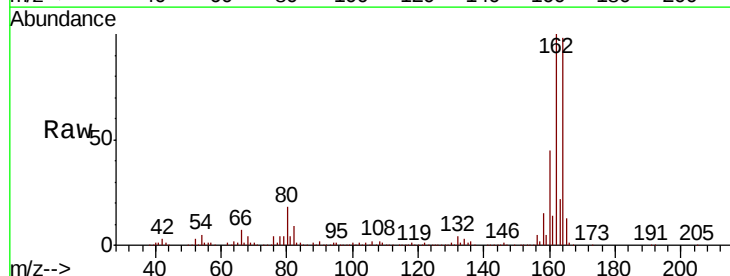
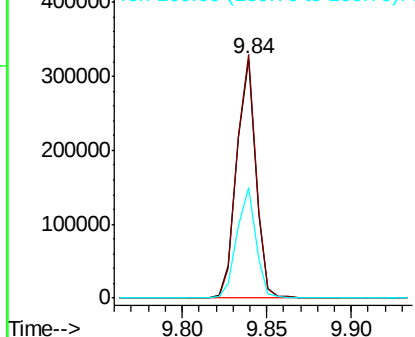
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

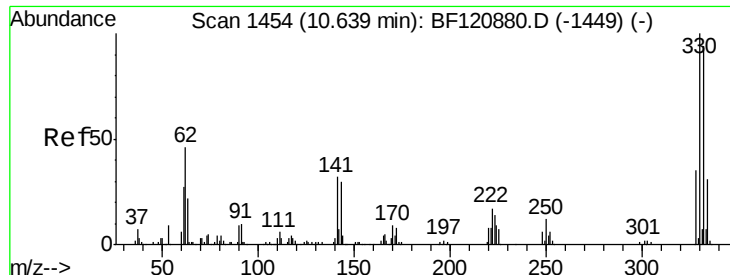


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.2	123.2
160	46.2	37.2	55.8

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





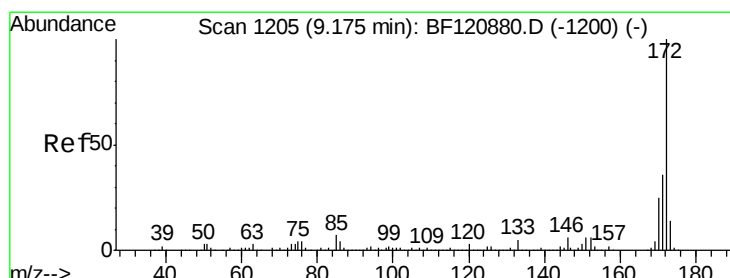
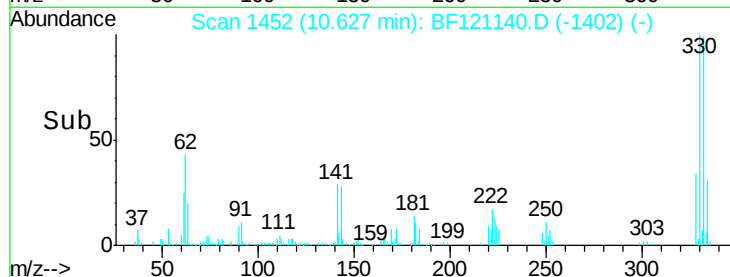
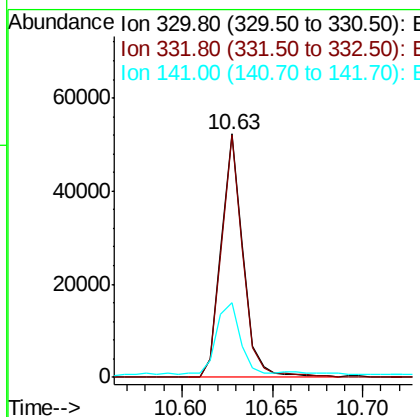
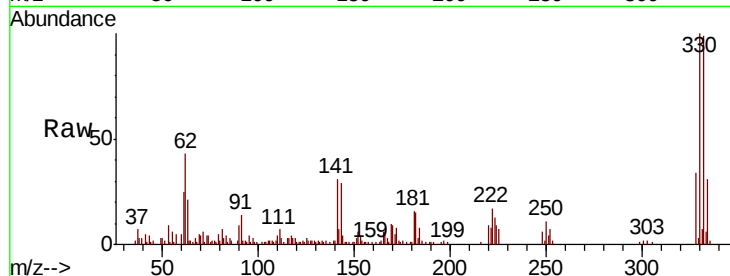
#42
 2,4,6-Tribromophenol
 Concen: 15.816 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121140.D
 Acq: 30 Jul 2020 21:21

Instrument :
 BNA_F
 ClientSampleId :
 10

Tot Ion	Ratio	Resp	Lower	Upper
330	100	44016		
332	97.7		76.1	114.1
141	32.7		24.1	36.1

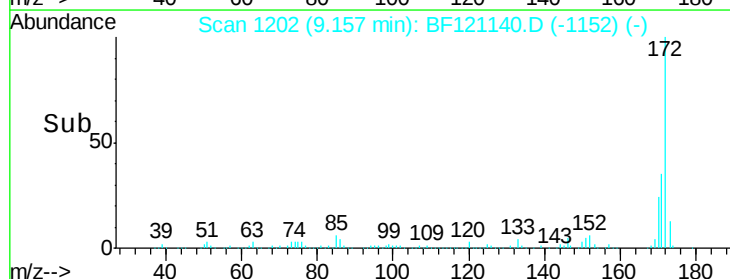
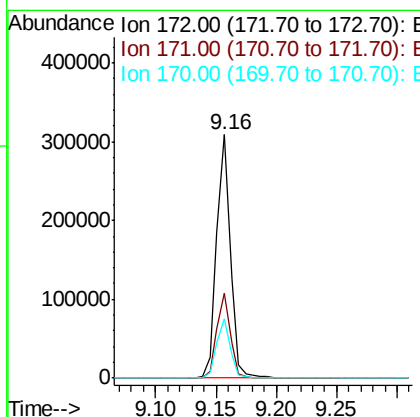
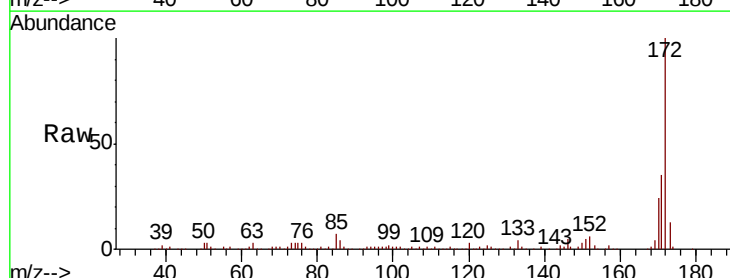
Manual Integrations
 APPROVED

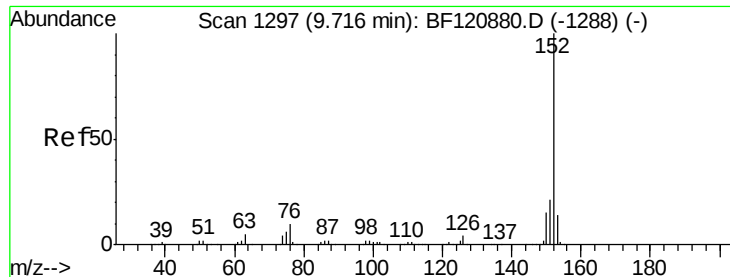
Sohil
 7/31/2020 12:12:00 PM



#45
 2-Fluorobiphenyl
 Concen: 14.148 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121140.D
 Acq: 30 Jul 2020 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	240921		
171	34.8		29.0	43.4
170	24.1		19.6	29.4





#49

Acenaphthylene

Concen: 2.158 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF121140.D

Acq: 30 Jul 2020 21:21

Instrument :

BNA_F

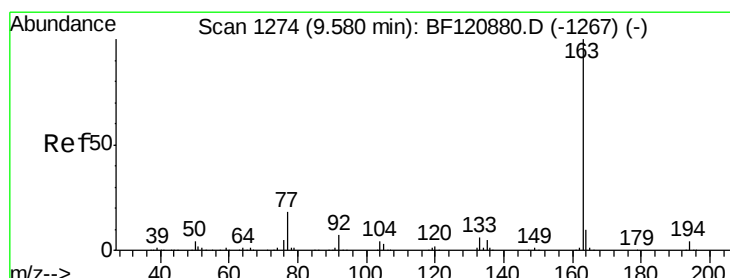
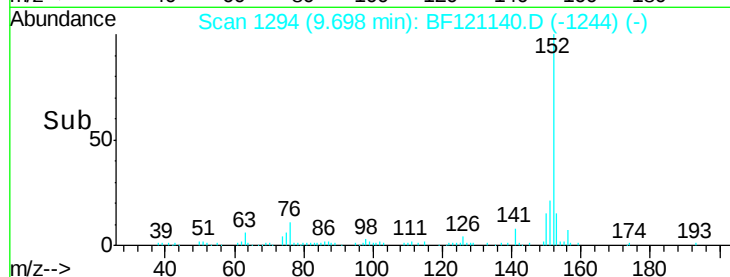
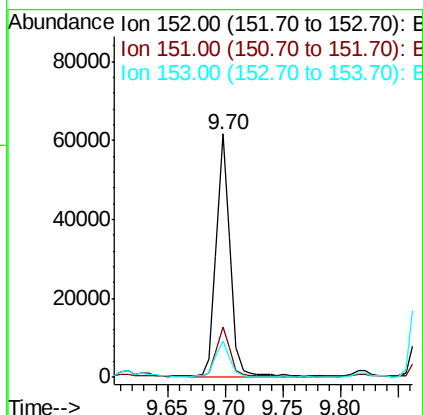
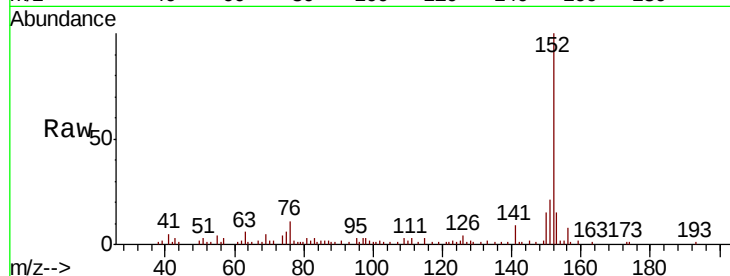
ClientSampleId :

10

Tot Ion:	152	Resp:	53021
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.6	25.0
153	14.7	11.0	16.4

Manual Integrations
APPROVED

Sohil
7/31/2020 12:12:00 PM



#50

Dimethylphthalate

Concen: 2.384 ng

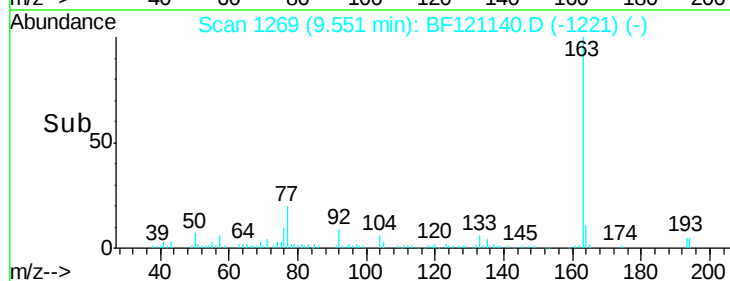
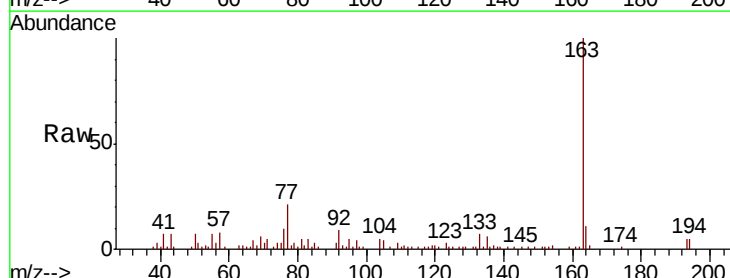
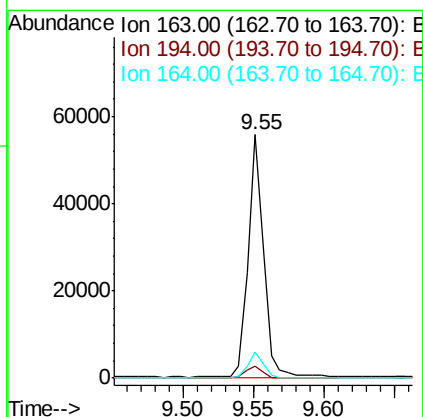
RT: 9.55 min Scan# 1269

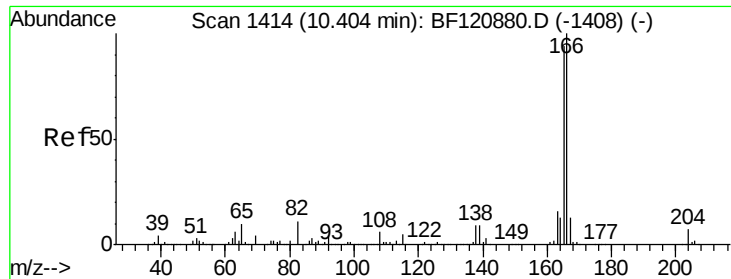
Delta R.T. -0.02 min

Lab File: BF121140.D

Acq: 30 Jul 2020 21:21

Tgt Ion:	163	Resp:	43726
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.0	4.4#
164	10.7	8.4	12.6





#58

Fluorene

Concen: 2.266 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF121140.D

Acq: 30 Jul 2020 21:21

Instrument :

BNA_F

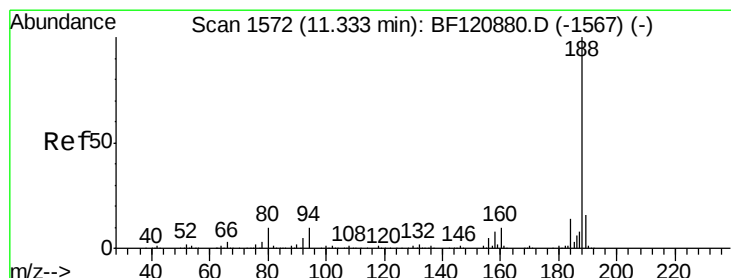
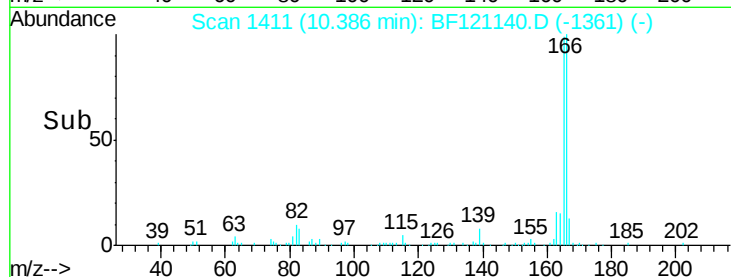
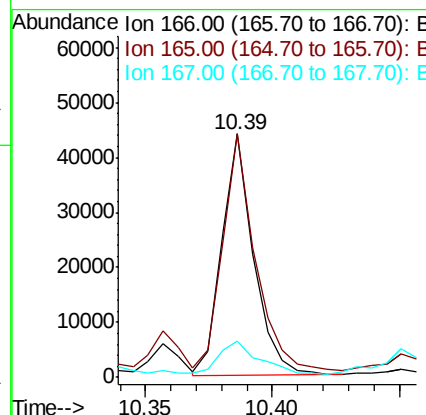
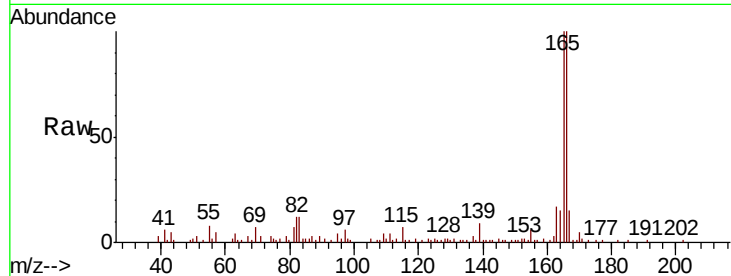
ClientSampled :

10

Tot Ion:	166	Resp:	38166
Ion Ratio	Lower	Upper	
166	100		
165	100.0	76.4	114.6
167	14.8	10.7	16.1

Manual Integrations
APPROVED

Sohil
7/31/2020 12:12:00 PM



#64

Phenanthrene-d10

Concen: 20.000 ng

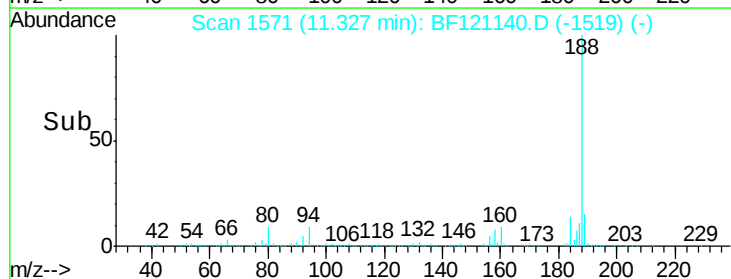
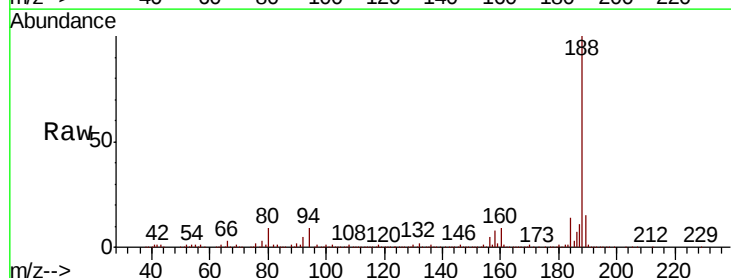
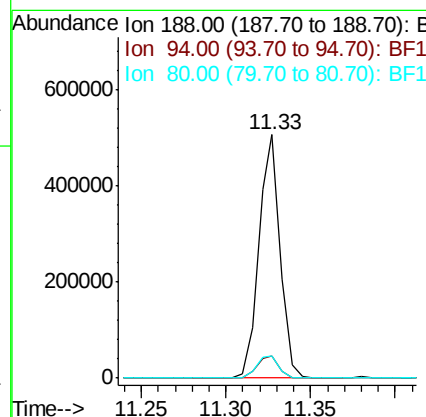
RT: 11.33 min Scan# 1571

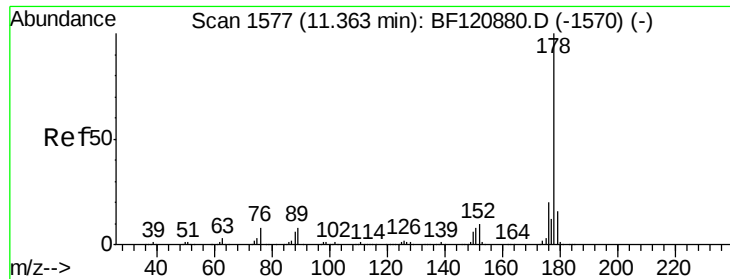
Delta R.T. 0.01 min

Lab File: BF121140.D

Acq: 30 Jul 2020 21:21

Tgt Ion:	188	Resp:	443785
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.0	12.0
80	9.1	8.3	12.5





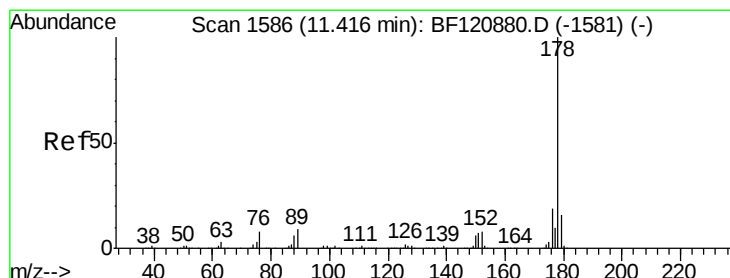
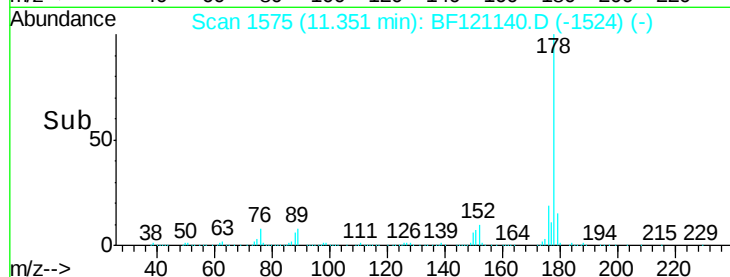
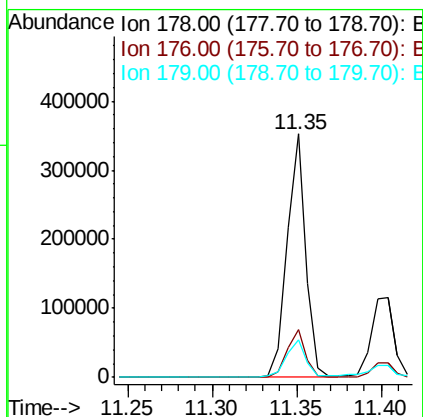
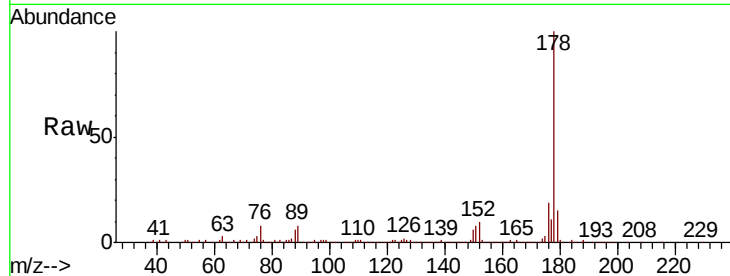
#71
Phenanthrene
Concen: 11.894 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Instrument :
BNA_F
ClientSampleId :
10

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.2
179	15.4	12.6	19.0

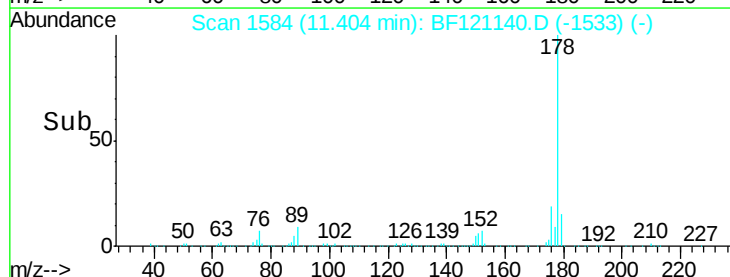
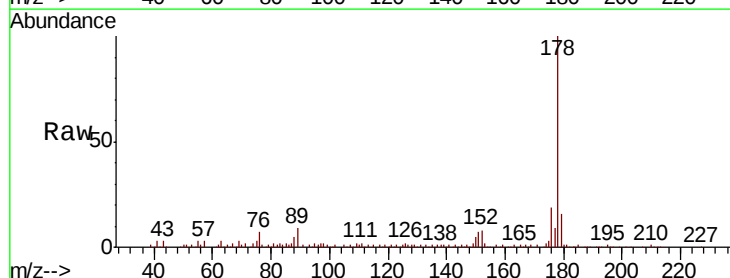
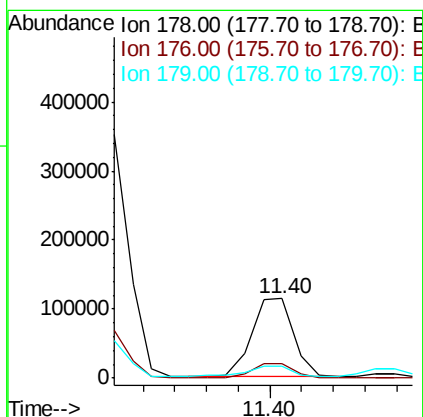
Manual Integrations
APPROVED

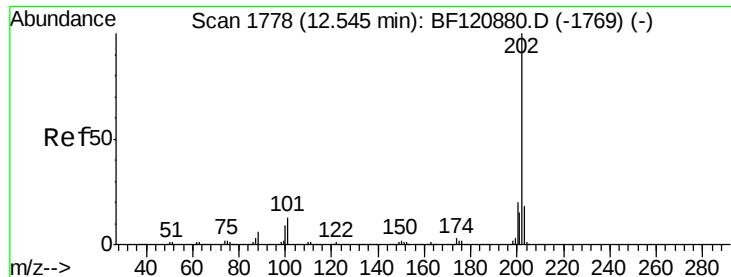
Sohil
7/31/2020 12:12:00 PM



#72
Anthracene
Concen: 4.516 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.5	12.6	19.0





#75

Fluoranthene

Concen: 19.363 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF121140.D

Acq: 30 Jul 2020 21:21

Instrument :

BNA_F

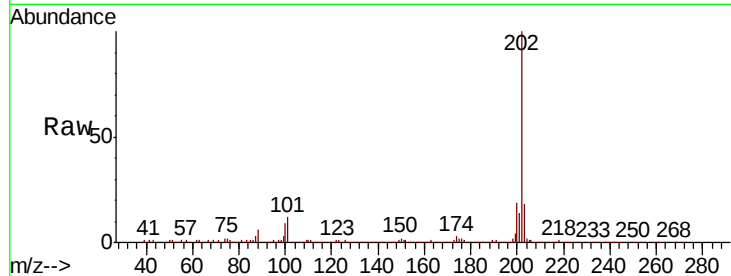
ClientSampleId :

10

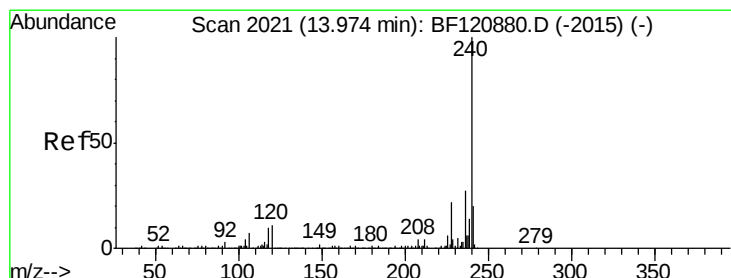
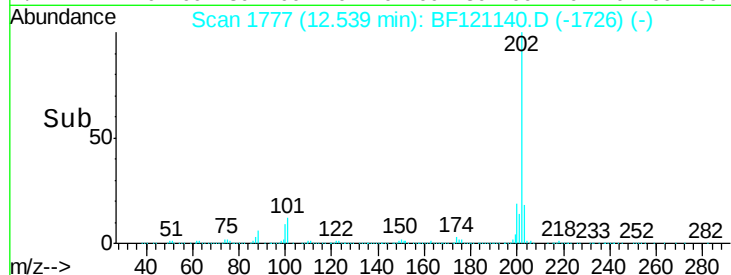
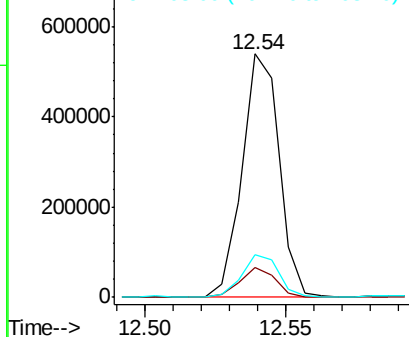
Tot Ion:	202	Resp:	489852
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	30.5
203	17.8	0.0	37.7

Manual Integrations
APPROVED

Sohil
7/31/2020 12:12:00 PM



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

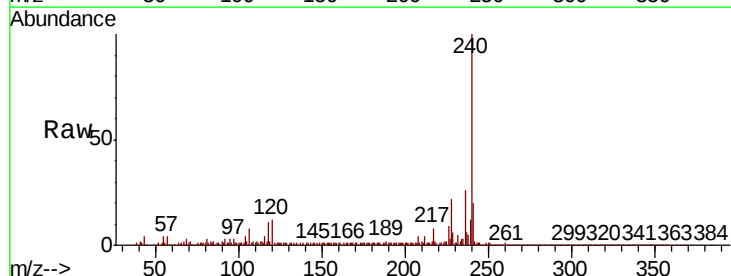
RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

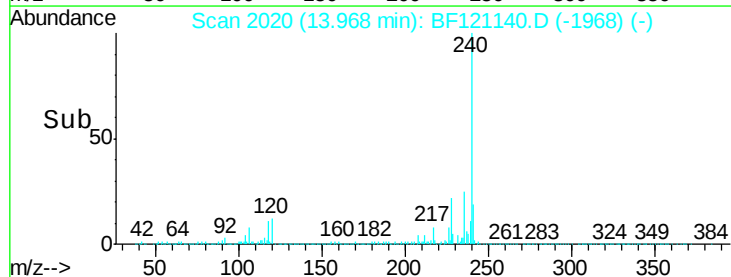
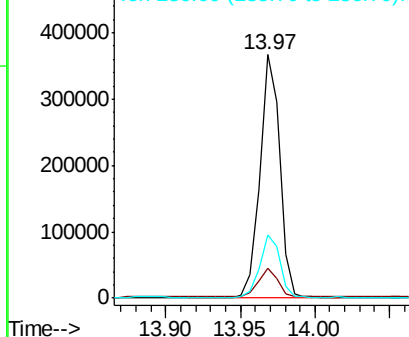
Lab File: BF121140.D

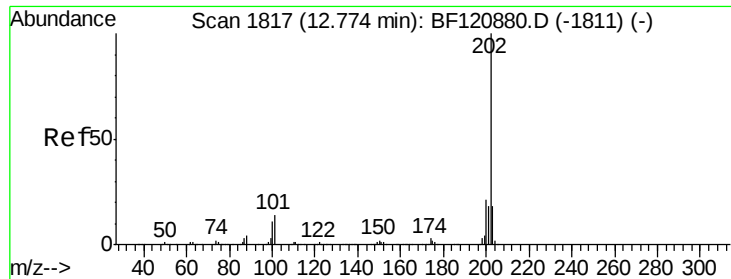
Acq: 30 Jul 2020 21:21

Tgt Ion:	240	Resp:	329843
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.3	13.9
236	25.8	21.1	31.7



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





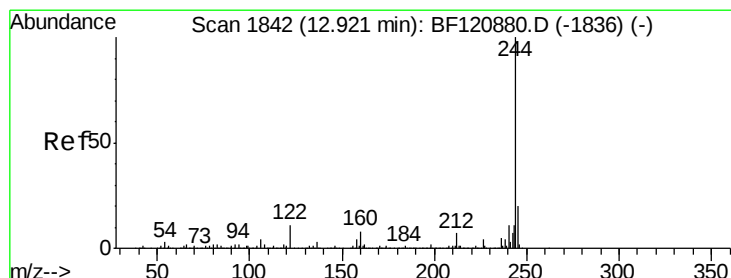
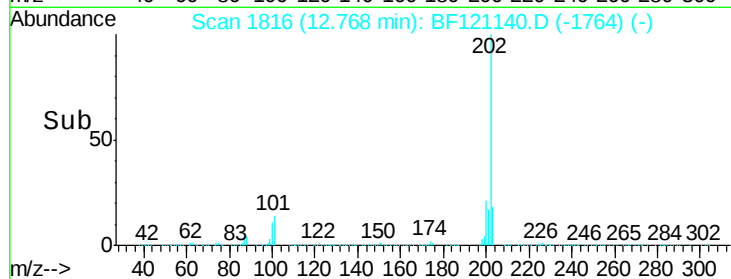
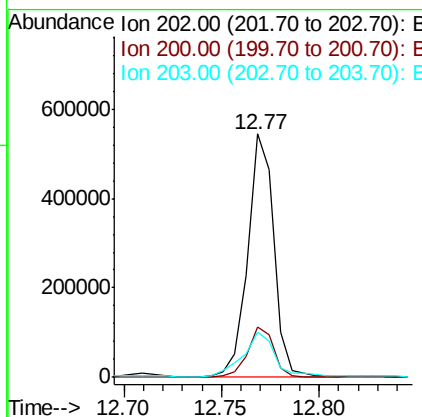
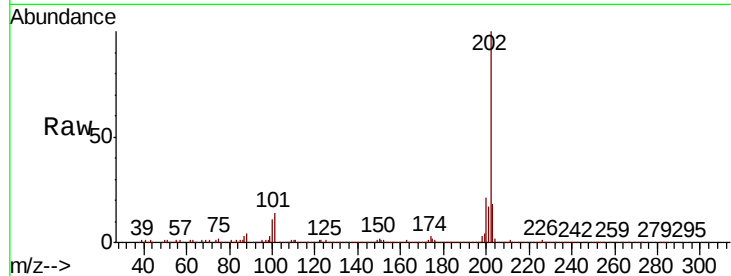
#78
Pvrene
Concen: 21.503 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Instrument :
BNA_F
ClientSampleId :
10

Tot Ion:202	Resp:	501457
Ion Ratio	Lower	Upper
202 100		
200 20.5	17.0	25.6
203 18.3	14.6	21.8

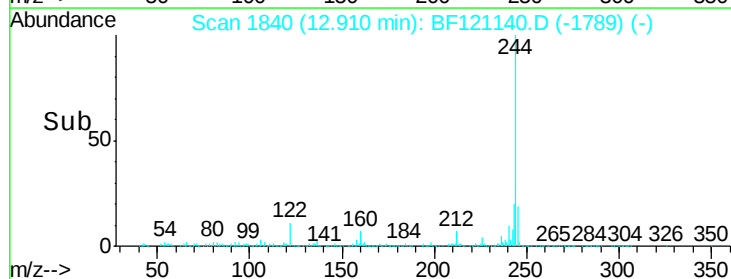
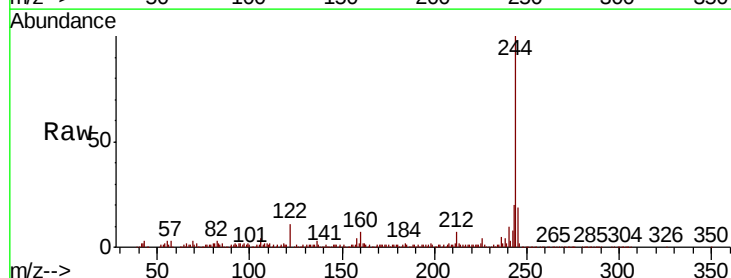
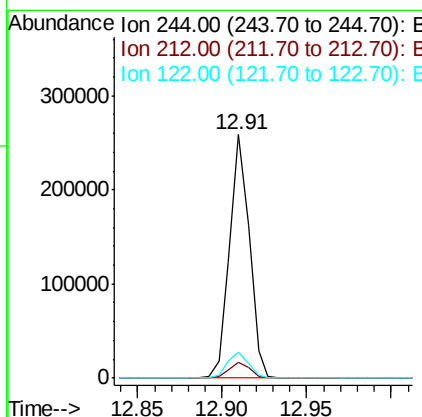
Manual Integrations
APPROVED

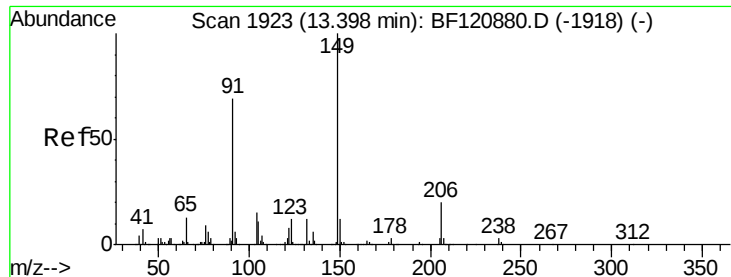
Sohil
7/31/2020 12:12:00 PM



#79
Terphenyl-d14
Concen: 13.916 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion:244	Resp:	211150
Ion Ratio	Lower	Upper
244 100		
212 6.7	5.7	8.5
122 10.7	8.3	12.5





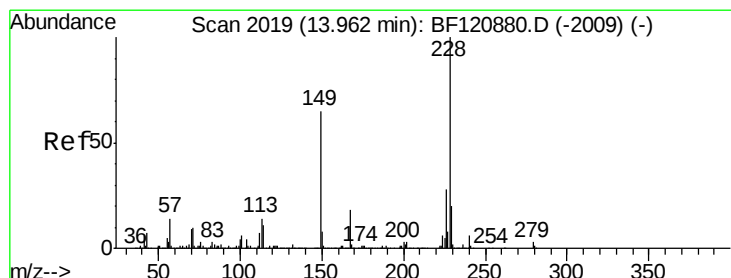
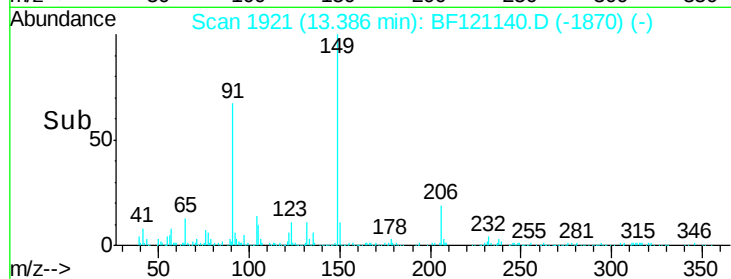
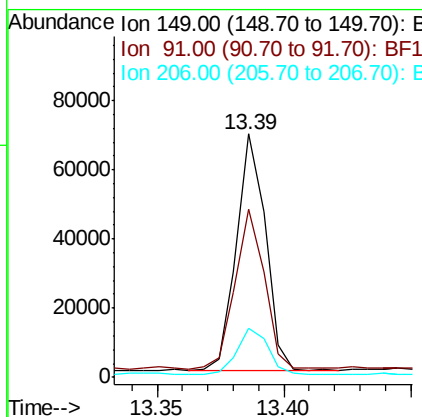
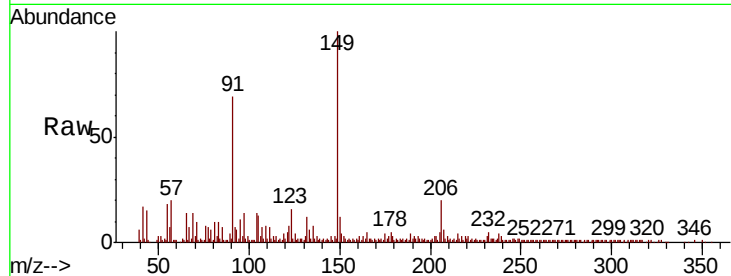
#80
Butylbenzylphthalate
Concen: 5.242 ng
RT: 13.39 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Instrument :
BNA_F
ClientSampleId :
10

Tot Ion	Ratio	Lower	Upper
149	100		
91	68.9	51.4	77.0
206	19.9	17.9	26.9

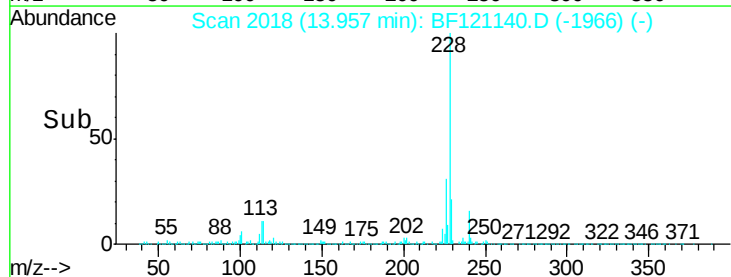
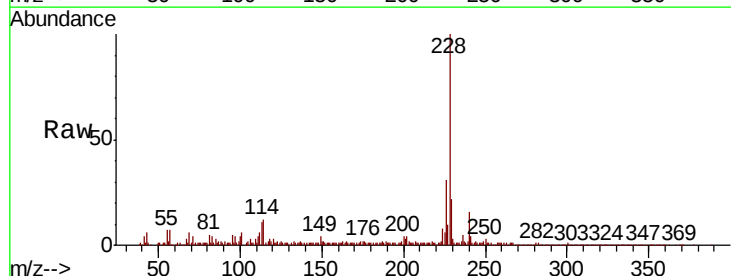
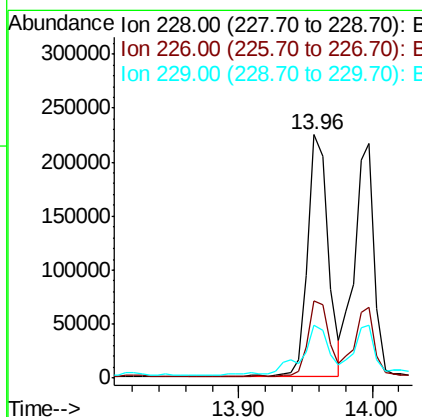
Manual Integrations
APPROVED

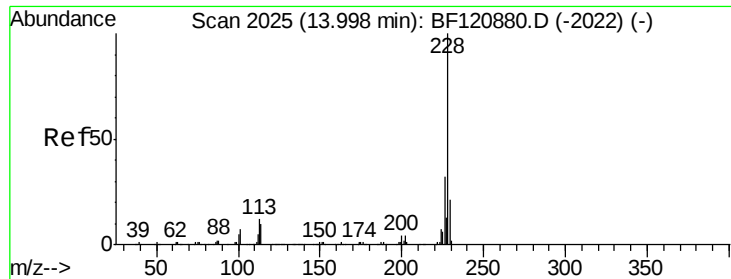
Sohil
7/31/2020 12:12:00 PM



#81
Benzo(a)anthracene
Concen: 11.808 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.6	34.0
229	21.9	16.1	24.1





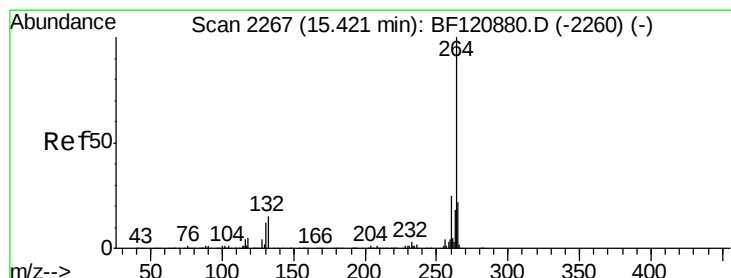
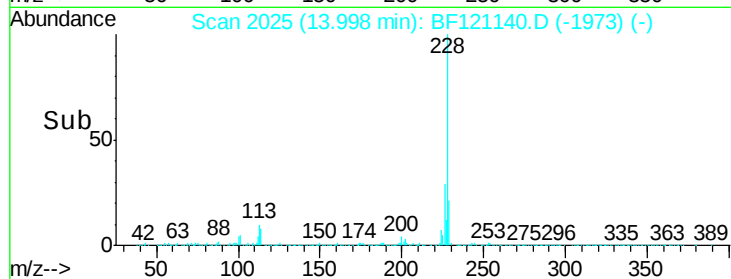
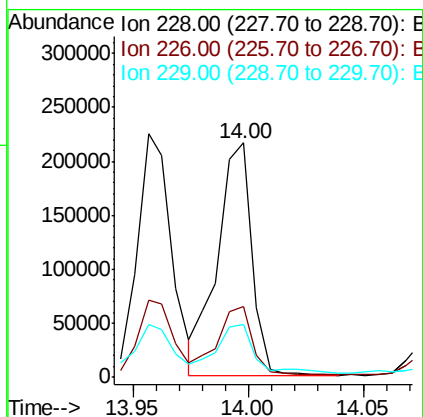
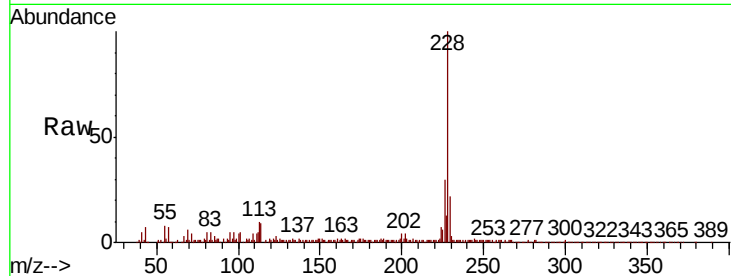
#83
Chrysene
Concen: 10.697 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Instrument :
BNA_F
ClientSampleId :
10

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.0
229	22.5	16.2	24.4

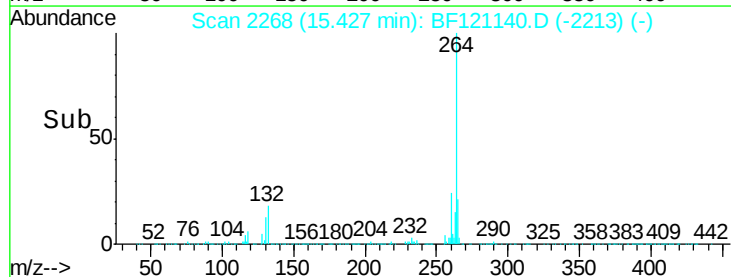
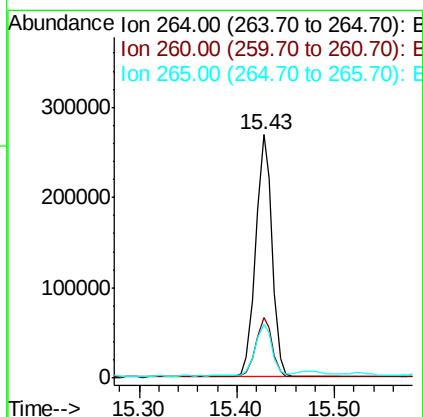
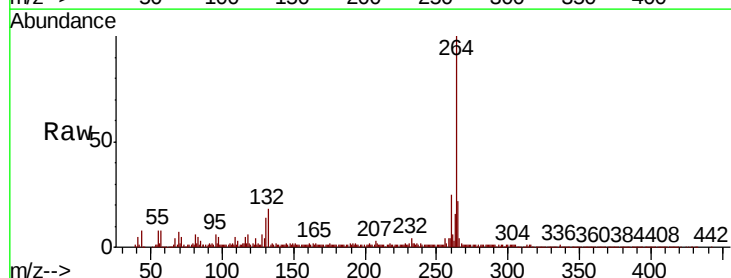
Manual Integrations
APPROVED

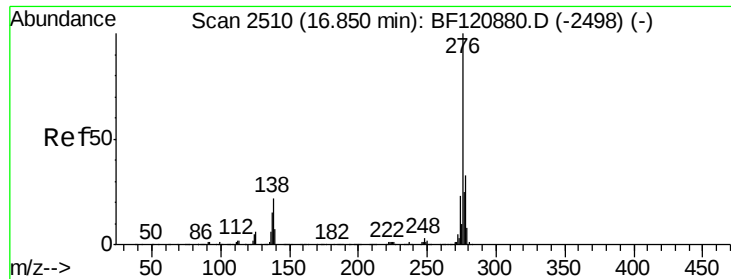
Sohil
7/31/2020 12:12:00 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.9	29.9
265	22.3	17.8	26.8





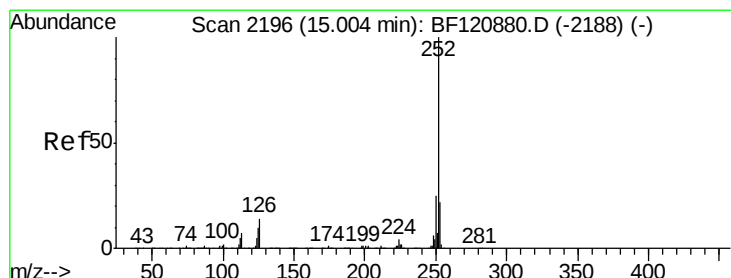
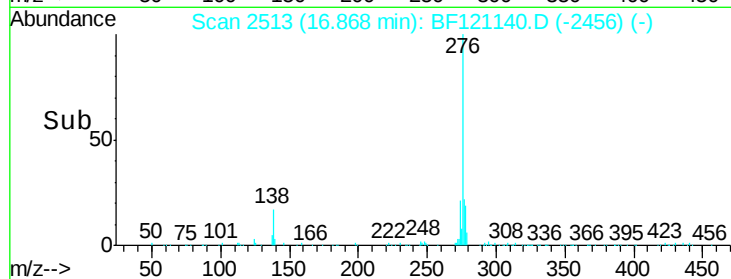
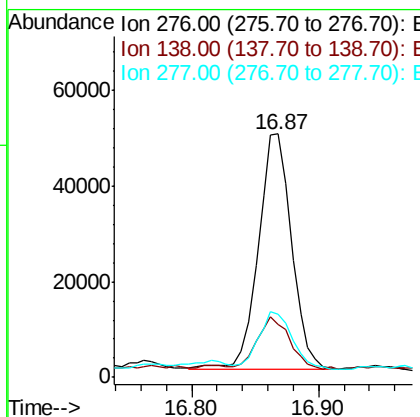
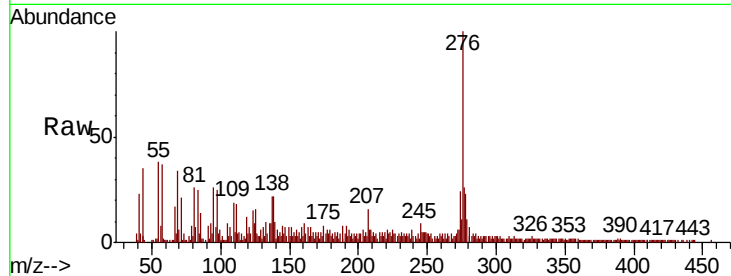
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.997 ng
RT: 16.87 min Scan# 2513
Delta R.T. 0.04 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Instrument :
BNA_F
ClientSampleId :
10

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	19.3	28.9
277	25.3	20.1	30.1

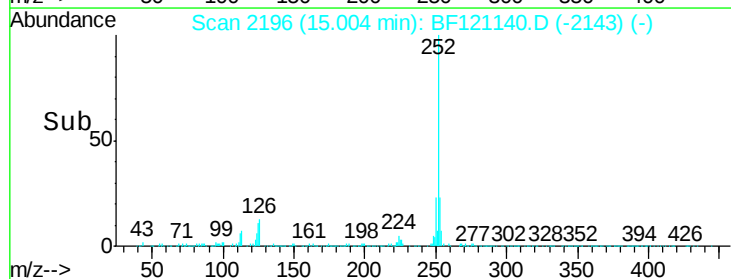
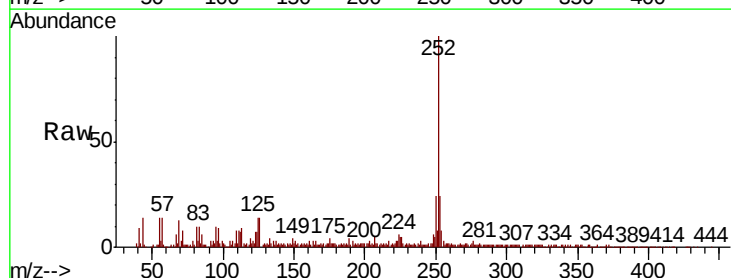
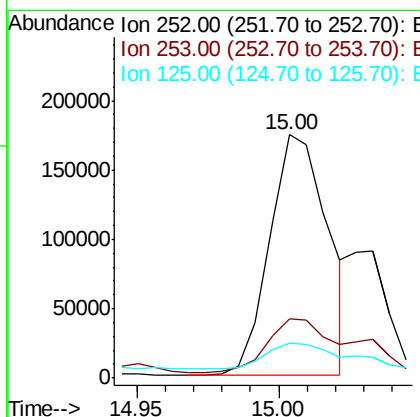
Manual Integrations
APPROVED

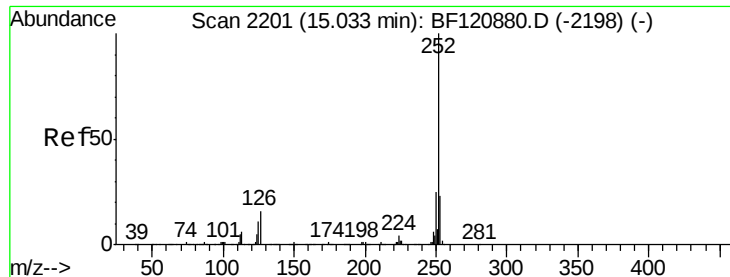
Sohil
7/31/2020 12:12:00 PM



#88
Benzo(b)fluoranthene
Concen: 12.673 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	14.1	8.1	12.1#





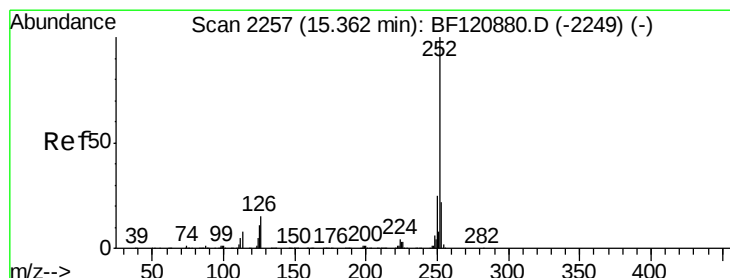
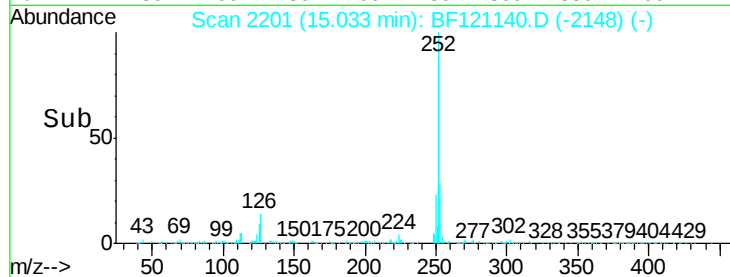
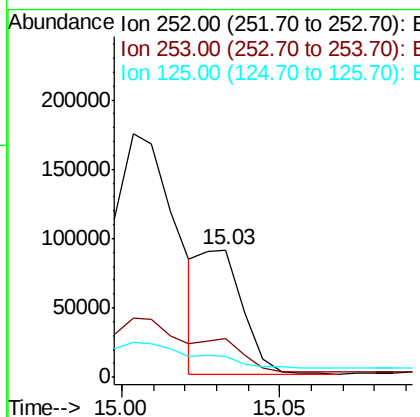
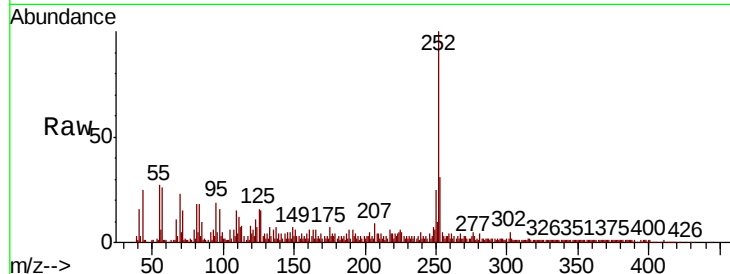
#89
Benzo(k)fluoranthene
Concen: 4.656 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Instrument :
BNA_F
ClientSampleId :
10

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.6	18.1	27.1#
125	16.0	8.0	12.0#

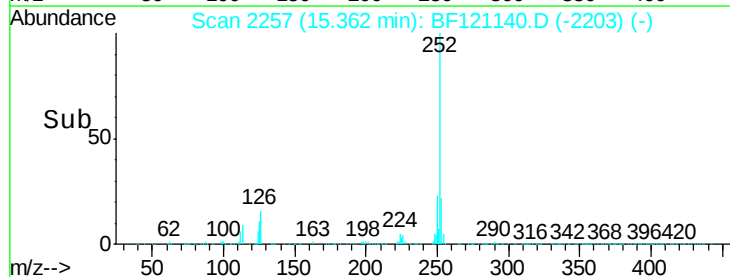
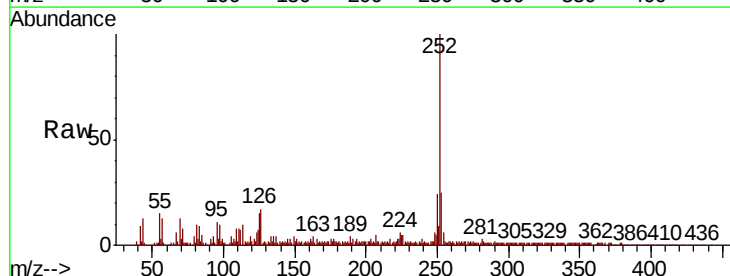
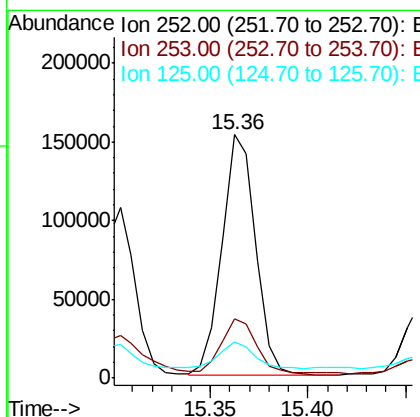
Manual Integrations
APPROVED

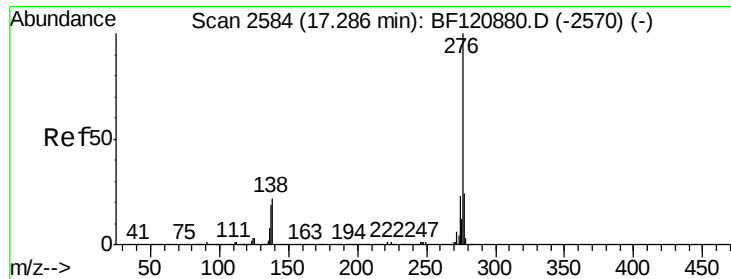
Sohil
7/31/2020 12:12:00 PM



#90
Benzo(a)pyrene
Concen: 10.229 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.02 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	15.1	9.5	14.3#





#92
 Benzo(a,h,i)perylene
 Concen: 4.666 ng
 RT: 17.30 min Scan# 2587
 Delta R.T. 0.04 min
 Lab File: BF121140.D
 Acq: 30 Jul 2020 21:21

Instrument :
 BNA_F
 ClientSampleId :
 10

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.4	29.0
138	25.7	17.2	25.8

Manual Integrations
 APPROVED

Sohil
 7/31/2020 12:12:00 PM

