

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF082120\
 Data File : BF121388.D
 Acq On : 22 Aug 2020 1:57
 Operator : JU/CG
 Sample : L3729-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2-(1-2)

Manual Integrations
 APPROVED

Sohil
 8/24/2020 1:50:15 PM

Quant Time: Sep 01 11:20:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	145080	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	537521	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	250407	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	397627	20.00	ng	0.00
76) Chrysene-d12	13.86	240	312090	20.00	ng	0.01
86) Perylene-d12	15.27	264	338817	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	750244	84.79	ng	0.01
7) Phenol-d6	6.35	99	882563	78.14	ng	0.00
23) Nitrobenzene-d5	7.26	82	575254	60.53	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	201713	69.13	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1002445	75.39	ng	0.00
79) Terphenyl-d14	12.80	244	772522	48.37	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.00	128	63864	2.387	ng	98
49) Acenaphthylene	9.59	152	59170	2.576	ng	99
50) Dimethylphthalate	9.45	163	164750	9.043	ng	99
71) Phenanthrene	11.24	178	175720	8.539	ng	98
75) Fluoranthene	12.43	202	230501	10.319	ng	99
78) Pyrene	12.66	202	315173	13.444	ng	100
81) Benzo(a)anthracene	13.85	228	126158m	6.508	ng	
83) Chrysene	13.88	228	140392	7.081	ng	99
87) Indeno(1,2,3-cd)pyrene	16.63	276	108065	5.225	ng	95
88) Benzo(b)fluoranthene	14.87	252	195939m	8.952	ng	
89) Benzo(k)fluoranthene	14.89	252	53533m	2.778	ng	
90) Benzo(a)pyrene	15.21	252	140415	7.424	ng	# 95
92) Benzo(a,h,i)perylene	17.04	276	124603	7.516	ng	98

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

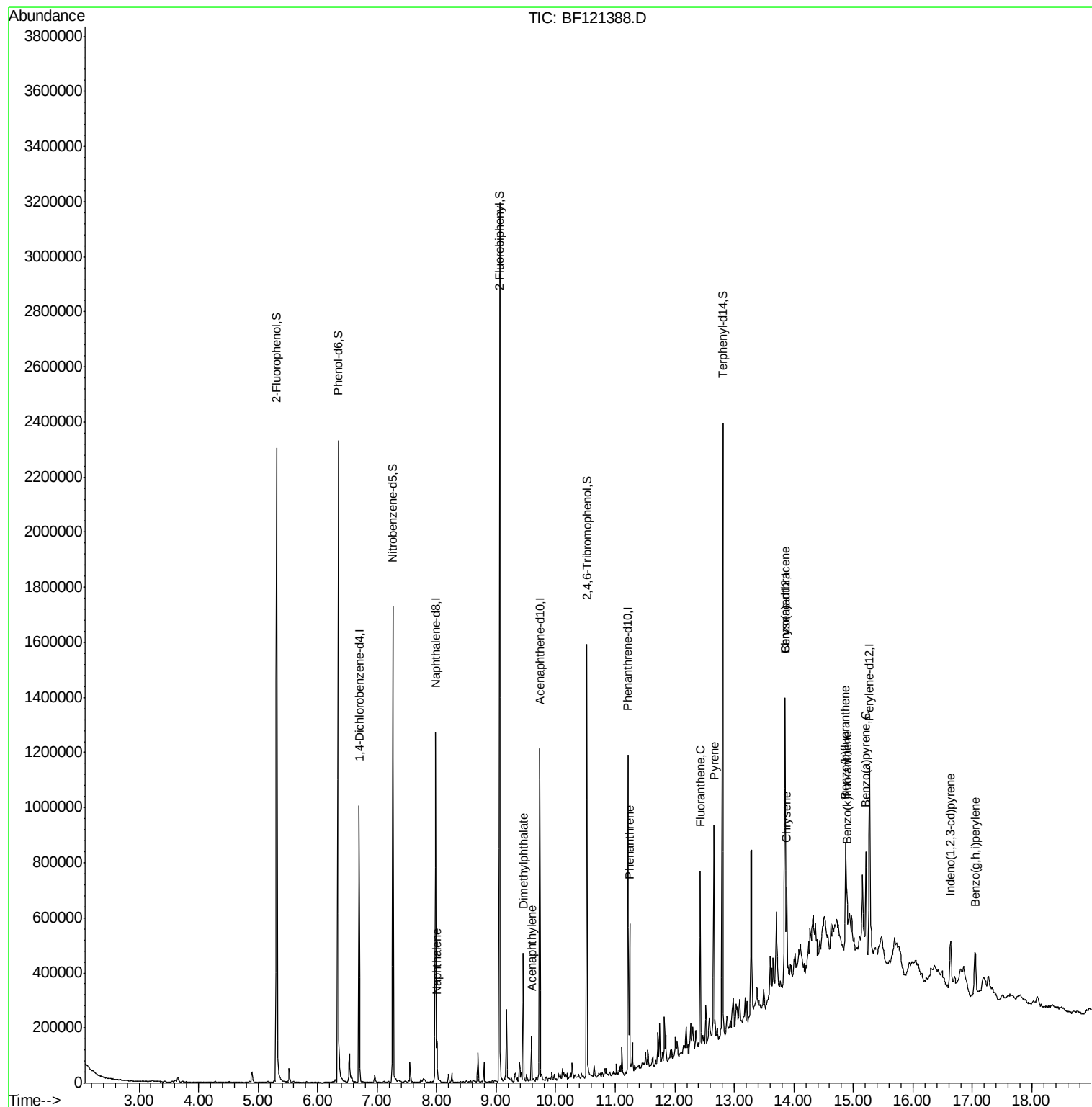
Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF082120\
Data File : BF121388.D
Acq On : 22 Aug 2020 1:57
Operator : JU/CG
Sample : L3729-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

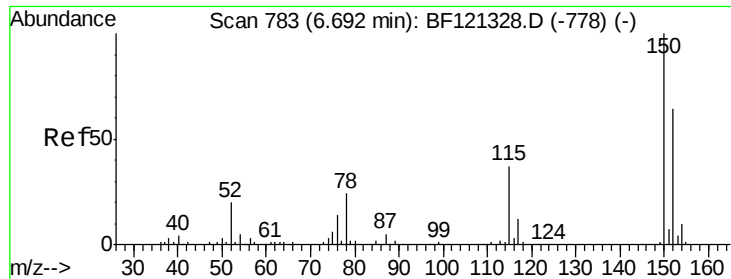
Instrument :
BNA_F
ClientSampleId :
COMP-2-(1-2)

Manual Integrations
APPROVED

Sohil
8/24/2020 1:50:15 PM

Quant Time: Sep 01 11:20:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 20 04:56:10 2020
Response via : Initial Calibration





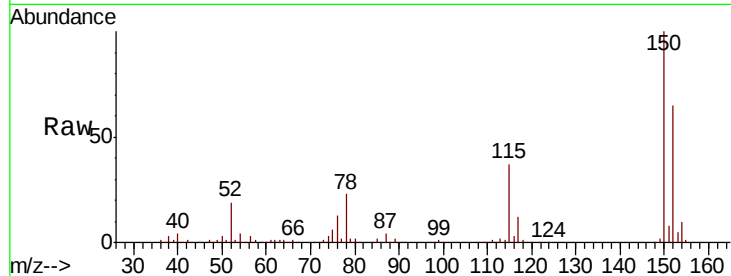
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. 0.01 min
 Lab File: BF121388.D
 Acq: 22 Aug 2020 1:57

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2-(1-2)

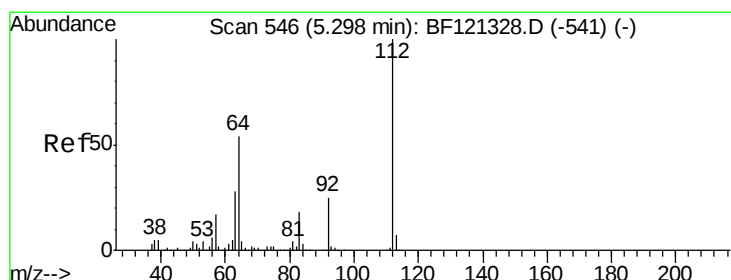
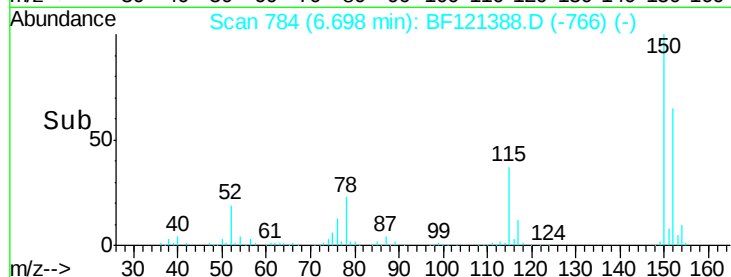
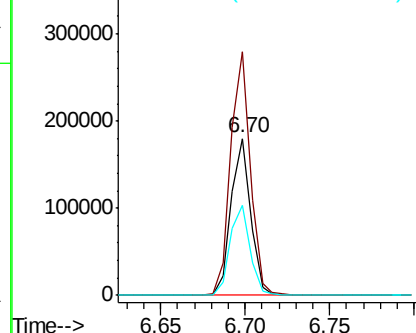
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.8	187.2
115	56.9	46.1	69.1

Manual Integrations
 APPROVED

Sohil
 8/24/2020 1:50:15 PM

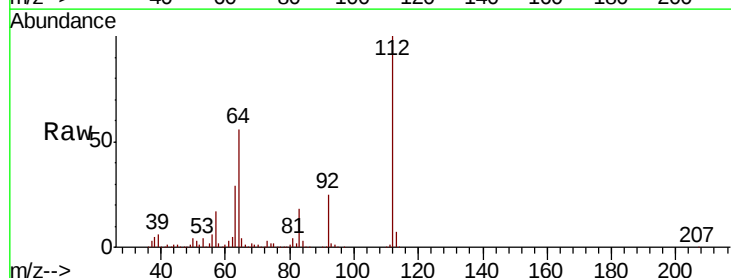


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

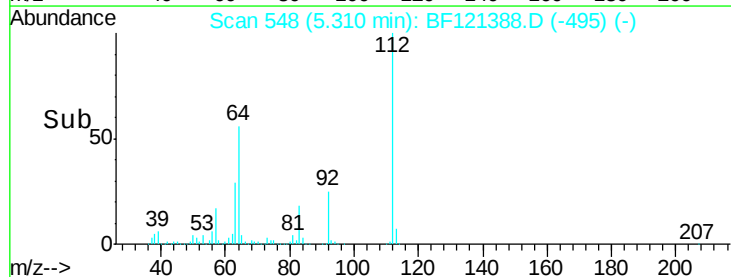
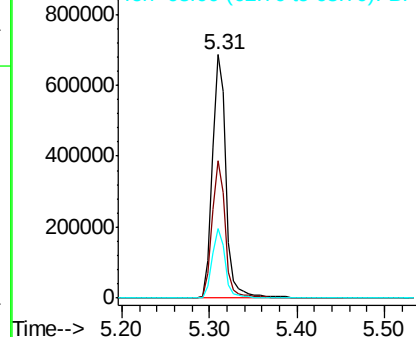


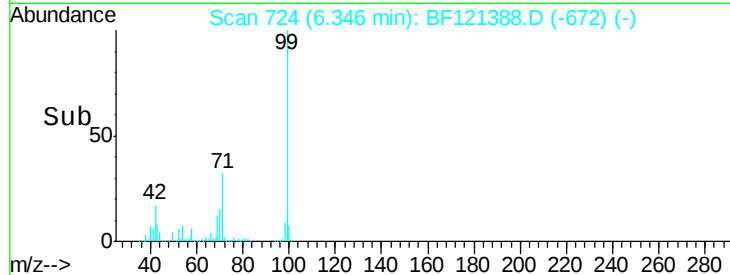
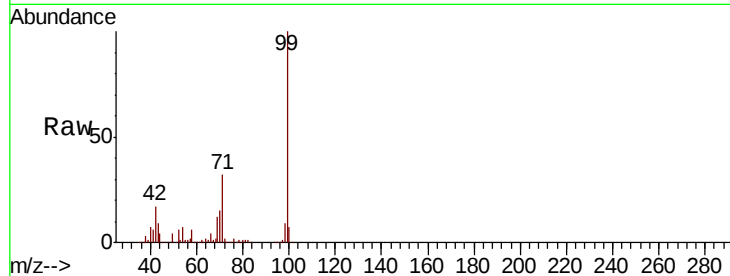
#5
 2-Fluorophenol
 Concen: 84.795 ng
 RT: 5.31 min Scan# 548
 Delta R.T. 0.01 min
 Lab File: BF121388.D
 Acq: 22 Aug 2020 1:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	43.5	65.3
63	28.6	22.0	33.0



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: 78.138 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

Tot Ion:	99	Resp:	882563
Ion Ratio	Lower	Upper	
99	100		
42	16.7	13.5	20.3
71	31.6	25.2	37.8

Instrument :

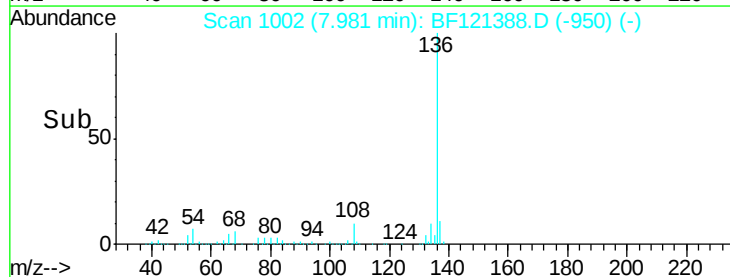
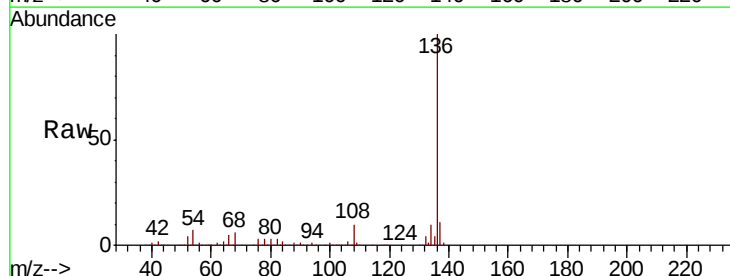
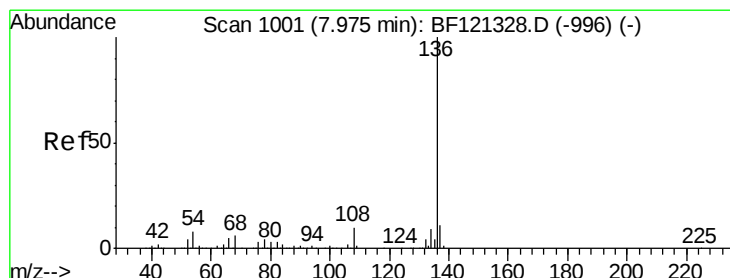
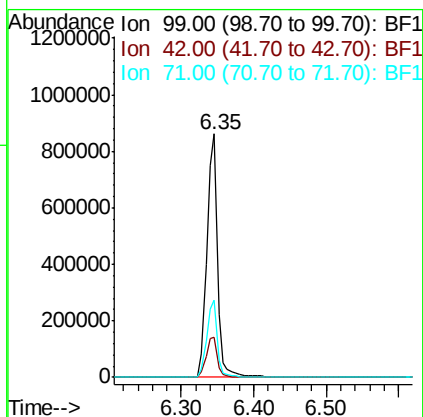
BNA_F

ClientSampleId :

COMP-2-(1-2)

Manual Integrations
APPROVED

Sohil
8/24/2020 1:50:15 PM



#21

Naphthalene-d8

Concen: 20.000 ng

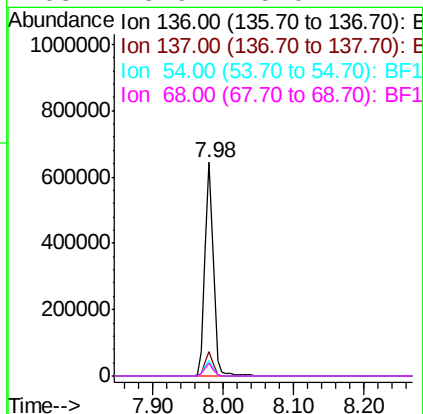
RT: 7.98 min Scan# 1002

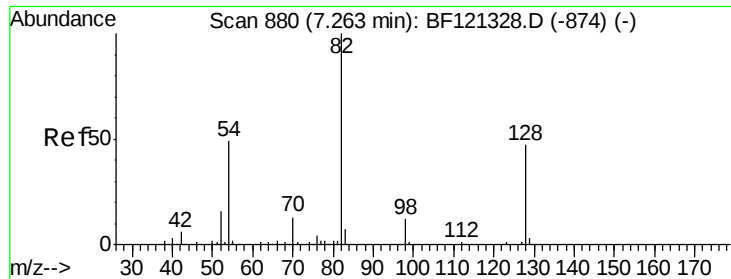
Delta R.T. 0.01 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

Tgt Ion:	136	Resp:	537521
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.5	6.1	9.1
68	5.9	5.0	7.4





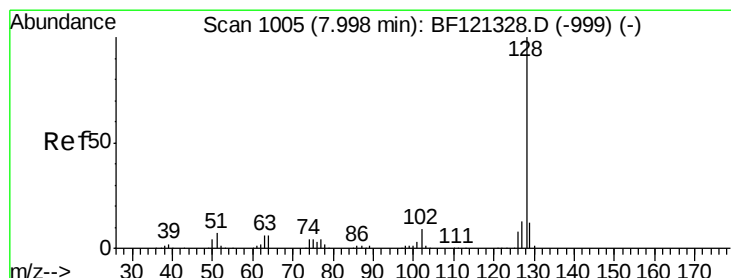
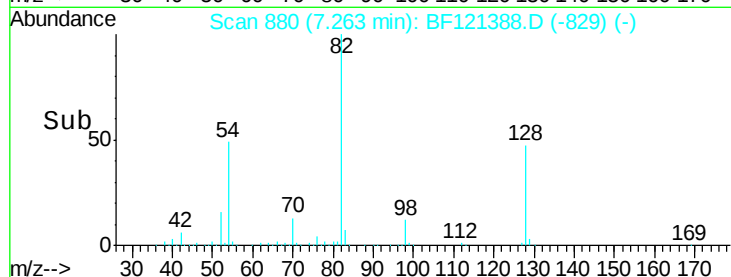
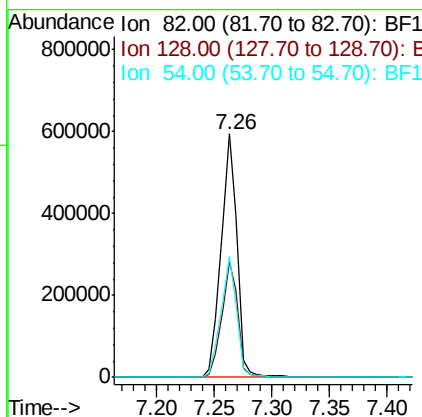
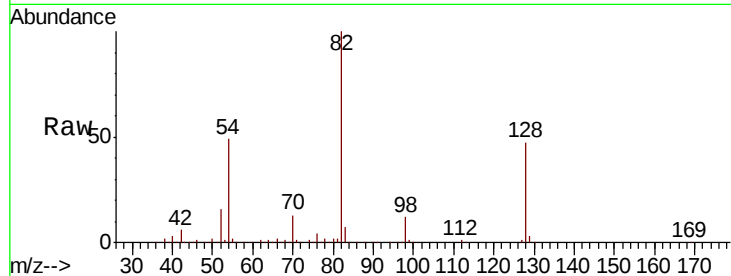
#23
Nitrobenzene-d5
Concen: 60.526 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Instrument :
BNA_F
ClientSampleId :
COMP-2-(1-2)

Tot Ion:	82	Resp:	575254
Ion Ratio	Lower	Upper	
82	100		
128	47.3	37.9	56.9
54	49.5	39.0	58.4

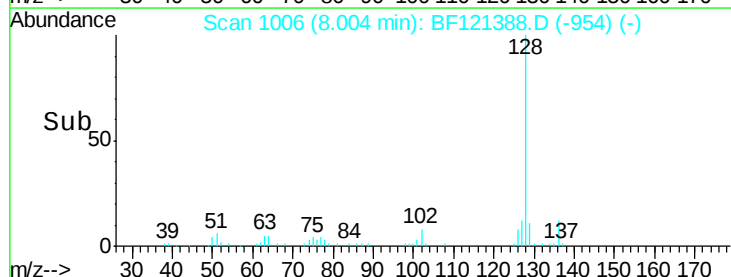
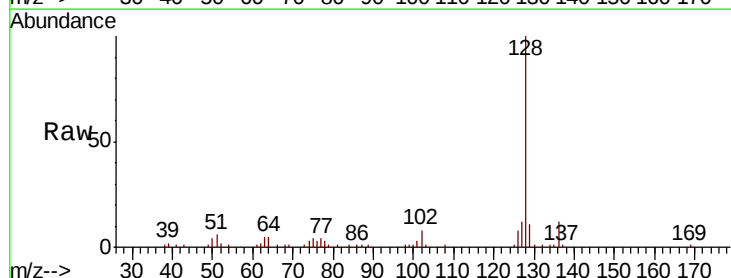
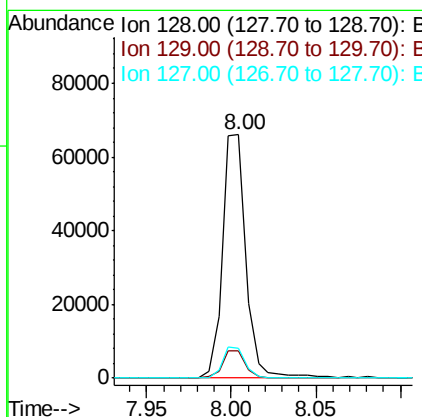
Manual Integrations
APPROVED

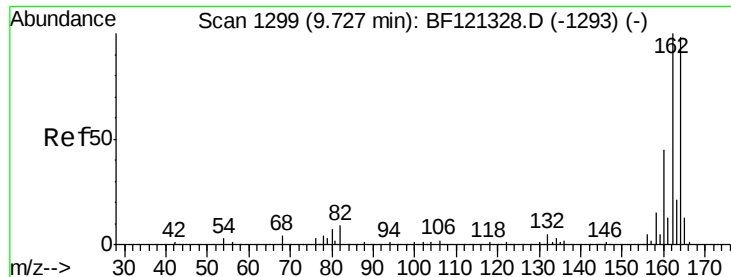
Sohil
8/24/2020 1:50:15 PM



#31
Naphthalene
Concen: 2.387 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Tgt Ion:	128	Resp:	63864
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.3	13.9
127	12.3	10.6	16.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

Instrument :

BNA_F

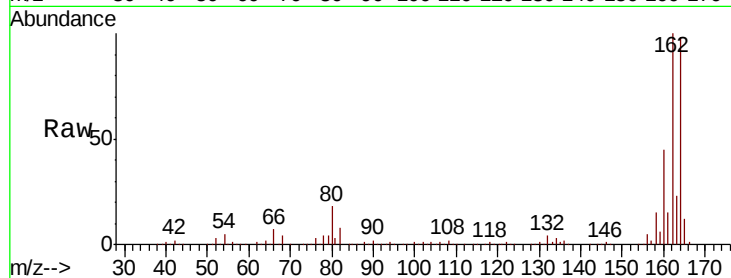
ClientSampleId :

COMP-2-(1-2)

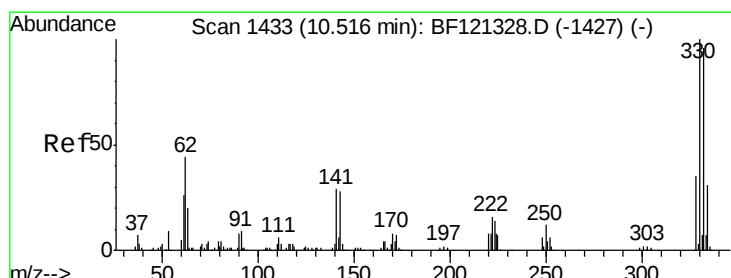
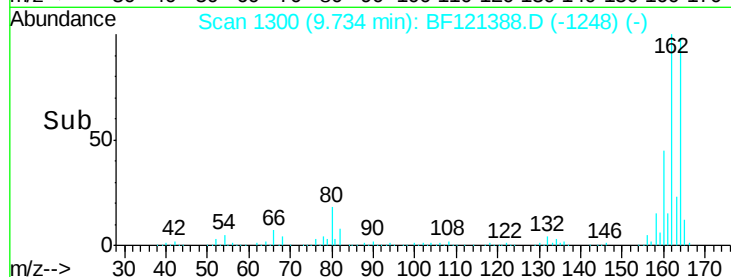
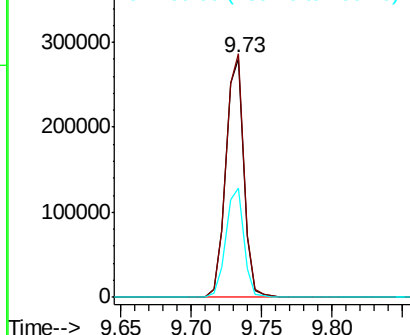
Tot Ion:	164	Resp:	250407
Ion Ratio	Lower	Upper	
164	100		
162	101.9	81.7	122.5
160	45.5	37.0	55.4

Manual Integrations
APPROVED

Sohil
8/24/2020 1:50:15 PM



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: 69.126 ng

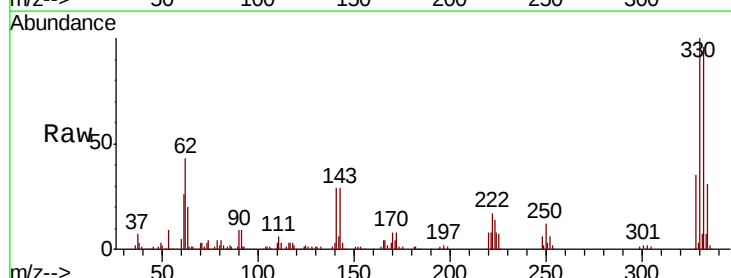
RT: 10.52 min Scan# 1434

Delta R.T. 0.01 min

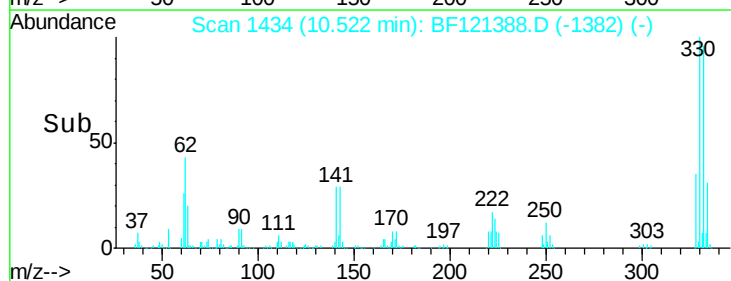
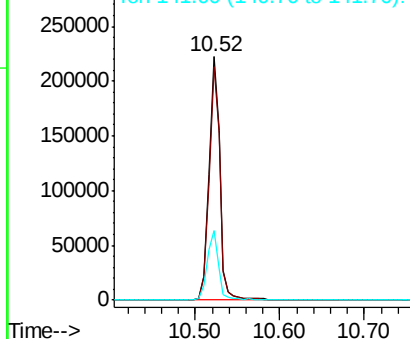
Lab File: BF121388.D

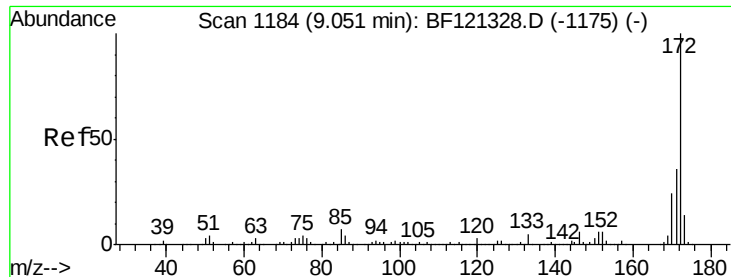
Acq: 22 Aug 2020 1:57

Tgt Ion:	330	Resp:	201713
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.9	115.3
141	28.2	22.8	34.2



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





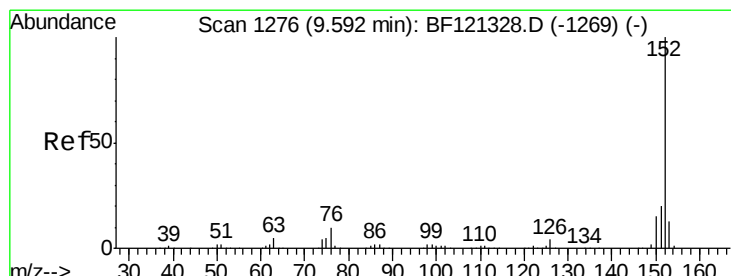
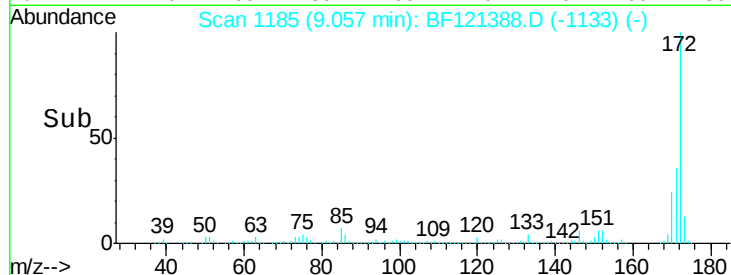
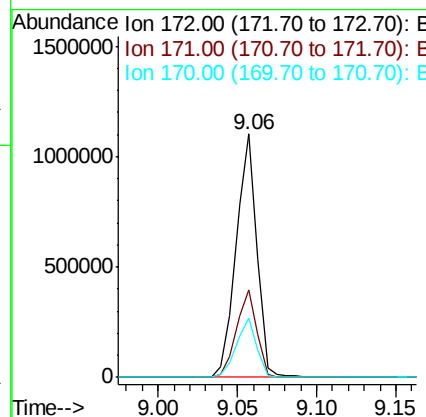
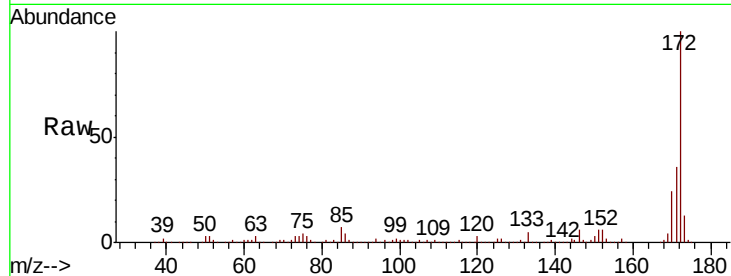
#45
2-Fluorobiphenyl
Concen: 75.389 ng
RT: 9.06 min Scan# 1185
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Instrument :
BNA_F
ClientSampled :
COMP-2-(1-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.5	19.4	29.2

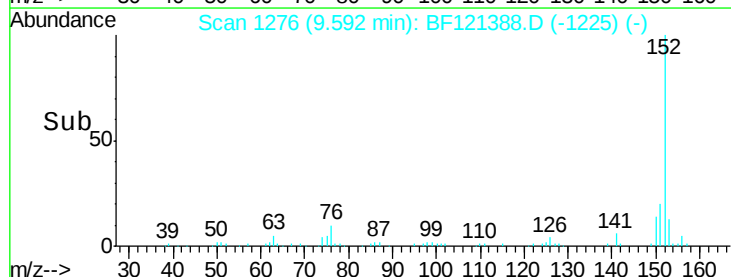
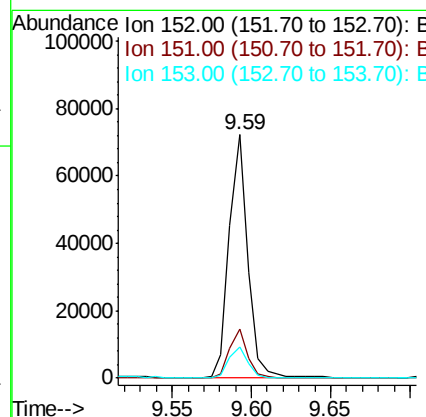
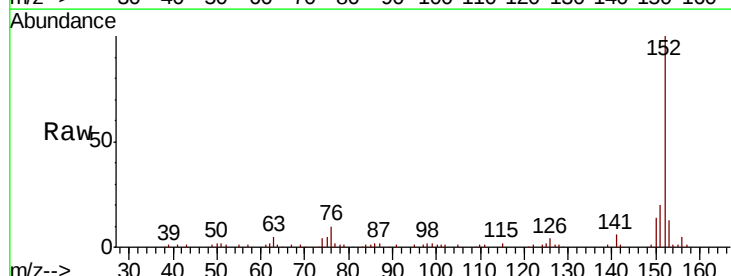
Manual Integrations
APPROVED

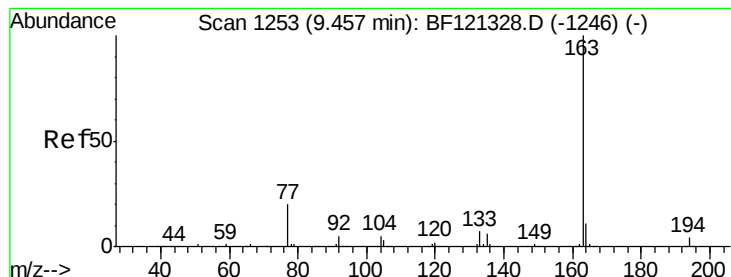
Sohil
8/24/2020 1:50:15 PM



#49
Acenaphthylene
Concen: 2.576 ng
RT: 9.59 min Scan# 1276
Delta R.T. 0.00 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	12.9	10.6	16.0





#50

Dimethylphthalate

Concen: 9.043 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

Instrument :

BNA_F

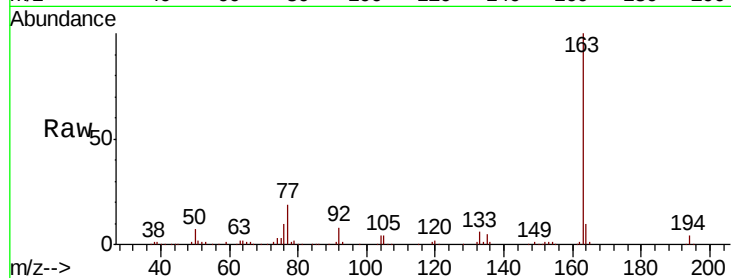
ClientSampleId :

COMP-2-(1-2)

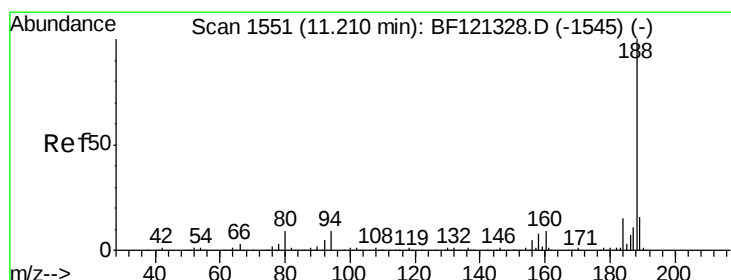
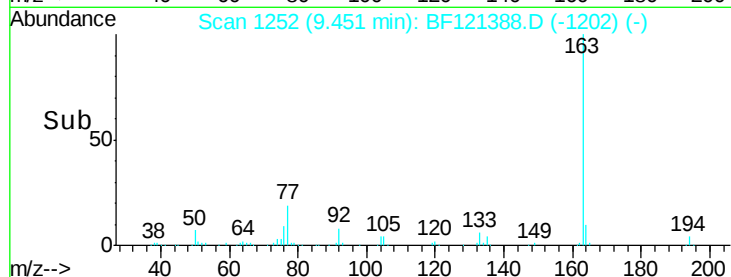
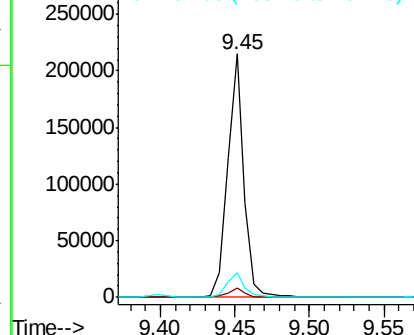
Tot Ion:	163	Resp:	164750
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.6
164	9.9	8.4	12.6

Manual Integrations
APPROVED

Sohil
8/24/2020 1:50:15 PM



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

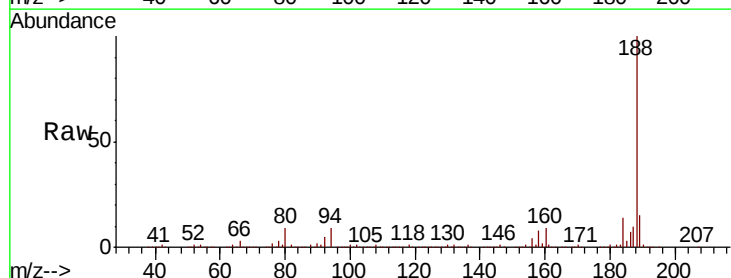
RT: 11.22 min Scan# 1552

Delta R.T. 0.01 min

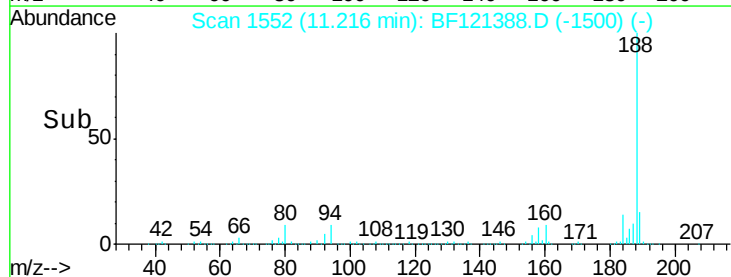
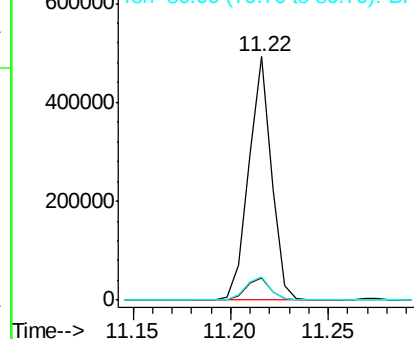
Lab File: BF121388.D

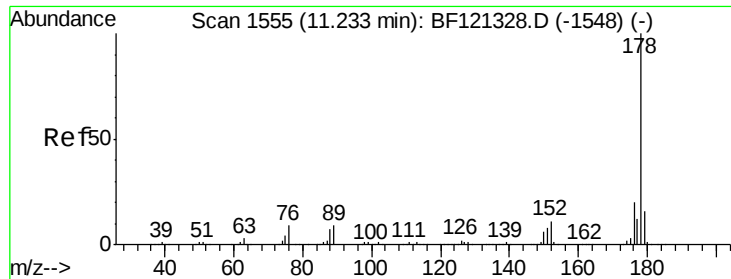
Acq: 22 Aug 2020 1:57

Tgt Ion:	188	Resp:	397627
Ion Ratio	Lower	Upper	
188	100		
94	9.1	7.2	10.8
80	9.4	7.4	11.0



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





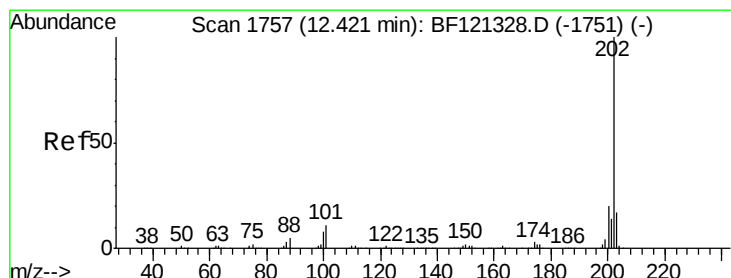
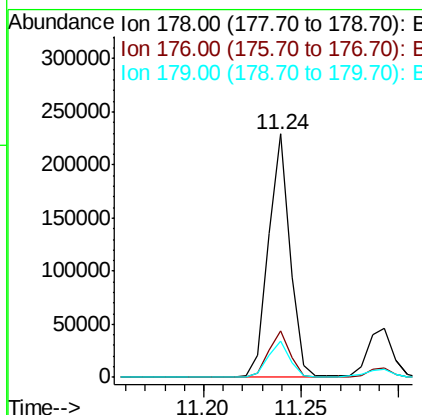
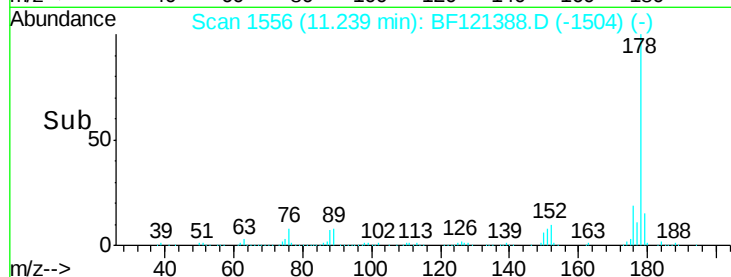
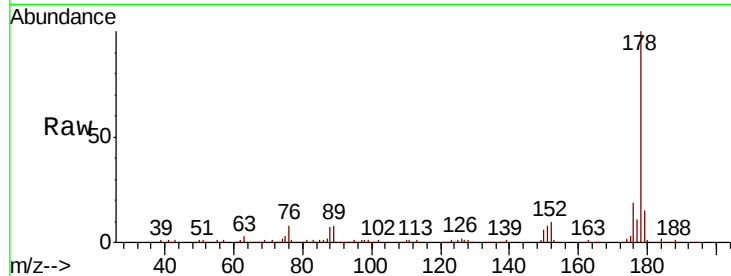
#71
Phenanthrene
Concen: 8.539 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Instrument :
BNA_F
ClientSampleId :
COMP-2-(1-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.0	24.0
179	15.1	12.8	19.2

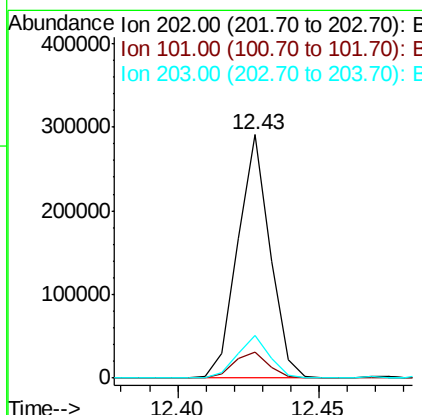
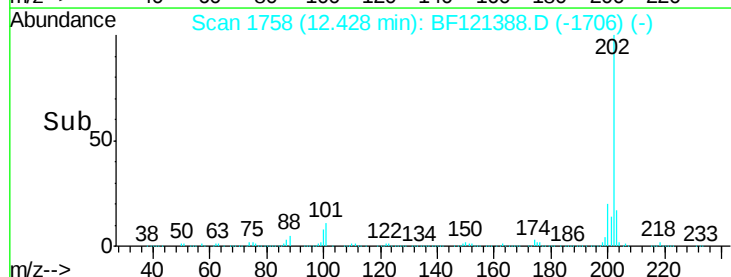
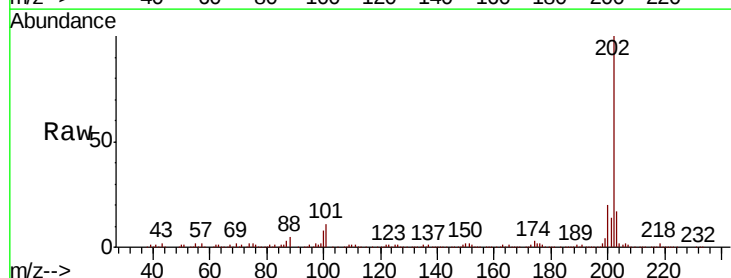
Manual Integrations
APPROVED

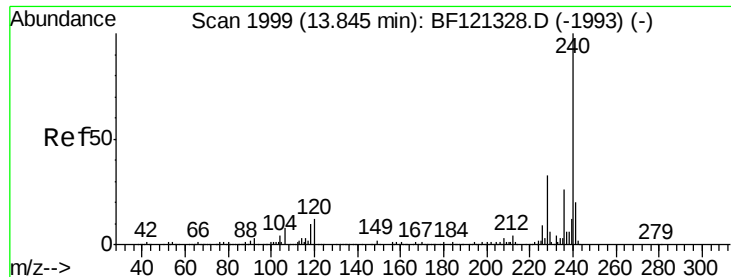
Sohil
8/24/2020 1:50:15 PM



#75
Fluoranthene
Concen: 10.319 ng
RT: 12.43 min Scan# 1758
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.6
203	17.3	0.0	37.5





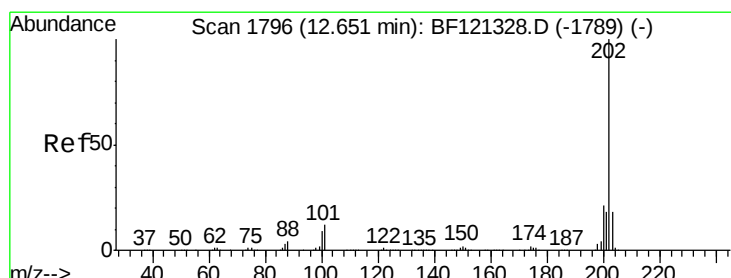
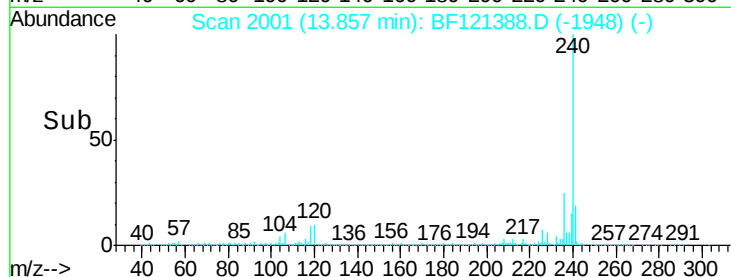
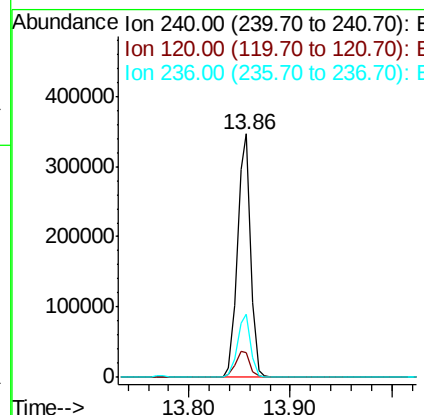
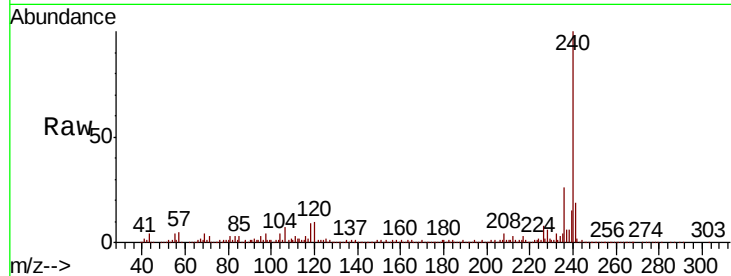
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Instrument :
BNA_F
ClientSampleId :
COMP-2-(1-2)

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	10.0	9.6	14.4
236	25.9	20.6	31.0

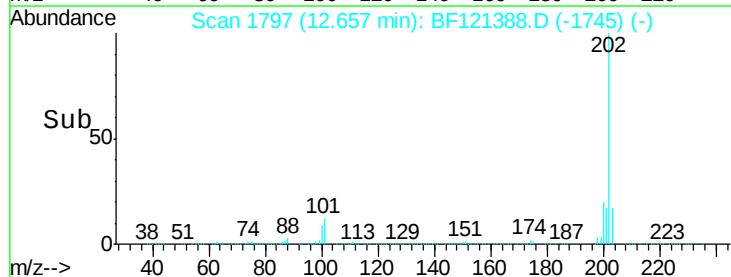
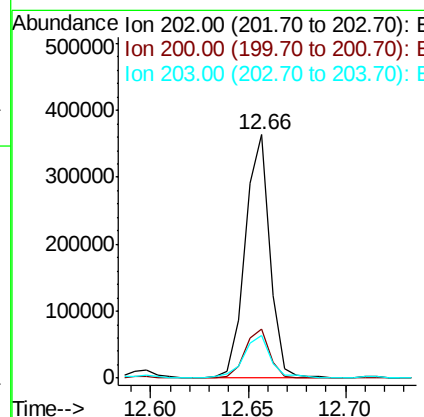
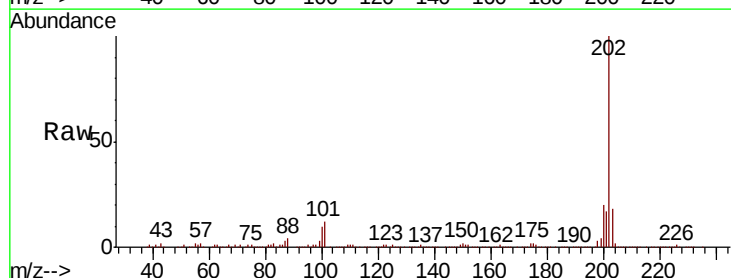
Manual Integrations
APPROVED

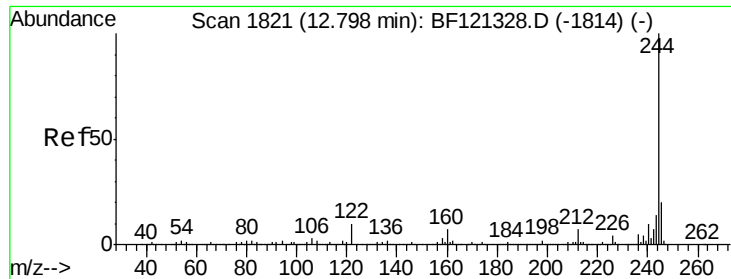
Sohil
8/24/2020 1:50:15 PM



#78
Pyrene
Concen: 13.444 ng
RT: 12.66 min Scan# 1797
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.4	16.6	24.8
203	17.6	14.2	21.2





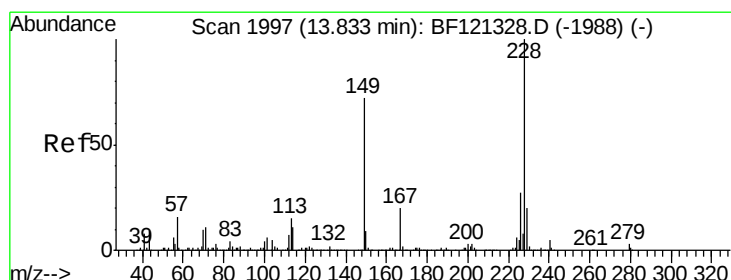
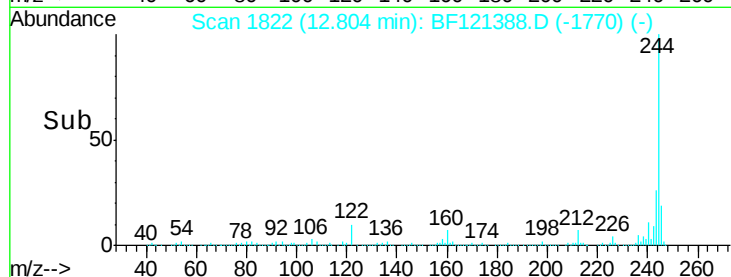
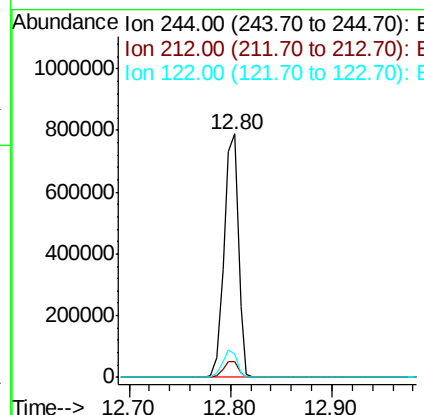
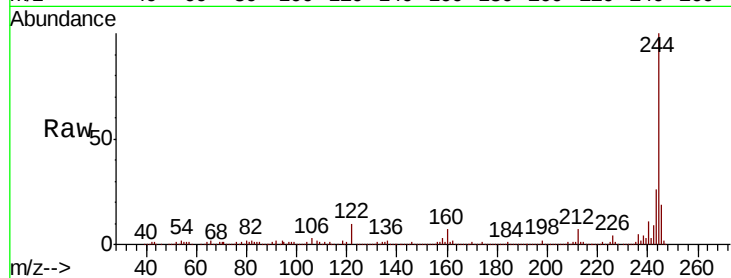
#79
 Terphenyl-d14
 Concen: 48.372 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: BF121388.D
 Acq: 22 Aug 2020 1:57

Instrument :
 BNA_F
 ClientSampled :
 COMP-2-(1-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.9	7.8	11.8

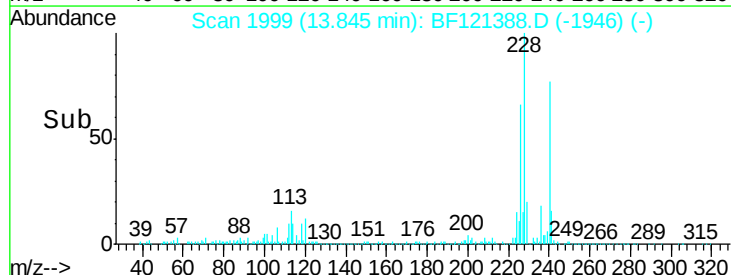
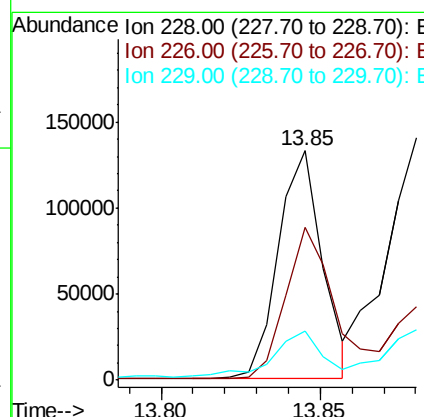
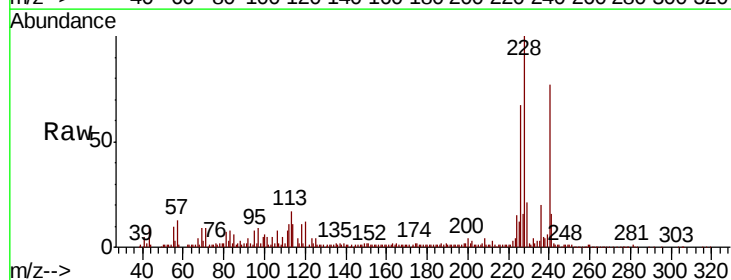
Manual Integrations
 APPROVED

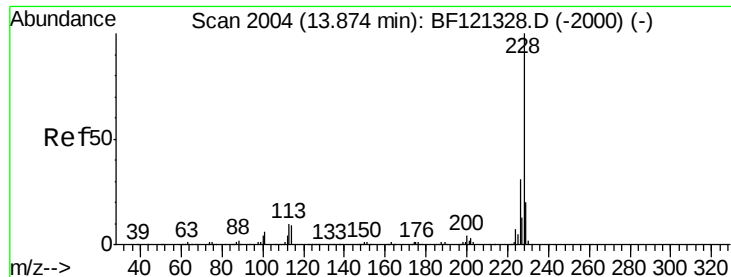
Sohil
 8/24/2020 1:50:15 PM



#81
 Benzo(a)anthracene
 Concen: 6.508 ng m
 RT: 13.85 min Scan# 1999
 Delta R.T. 0.01 min
 Lab File: BF121388.D
 Acq: 22 Aug 2020 1:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	66.6	21.8	32.6#
229	21.1	15.8	23.8





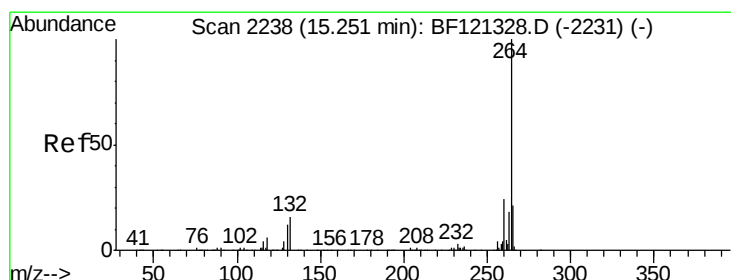
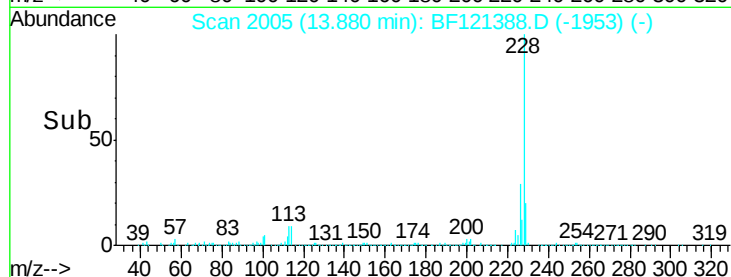
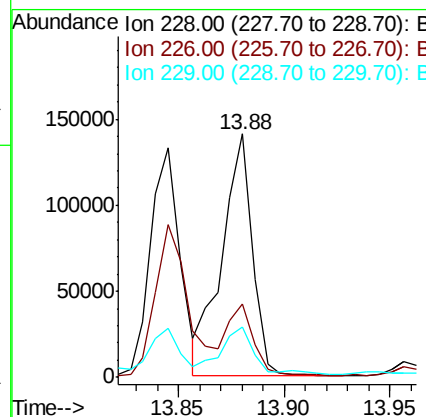
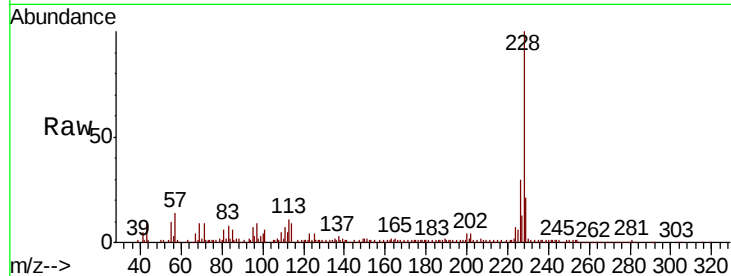
#83
 Chrysene
 Concen: 7.081 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. 0.01 min
 Lab File: BF121388.D
 Acq: 22 Aug 2020 1:57

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2-(1-2)

Tot Ion:	228	Resp:	140392
Ion Ratio		Lower	Upper
228	100		
226	30.1	24.6	36.8
229	20.6	15.9	23.9

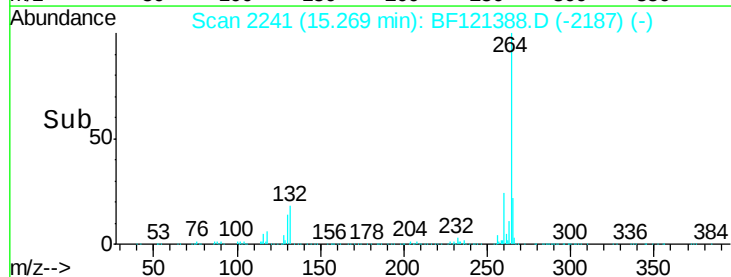
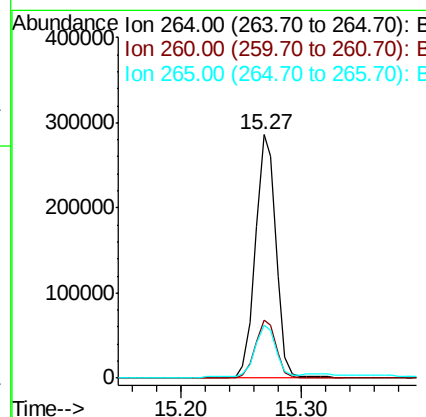
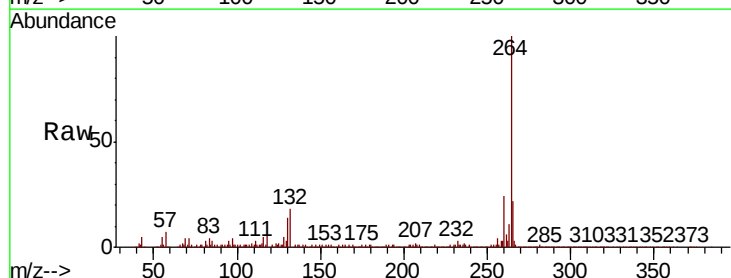
Manual Integrations
 APPROVED

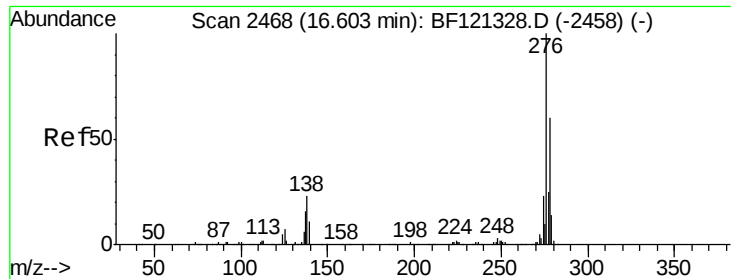
Sohil
 8/24/2020 1:50:15 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. 0.02 min
 Lab File: BF121388.D
 Acq: 22 Aug 2020 1:57

Tgt Ion:	264	Resp:	338817
Ion Ratio		Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.9	17.1	25.7





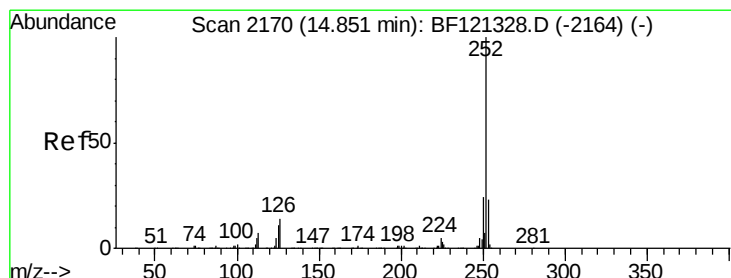
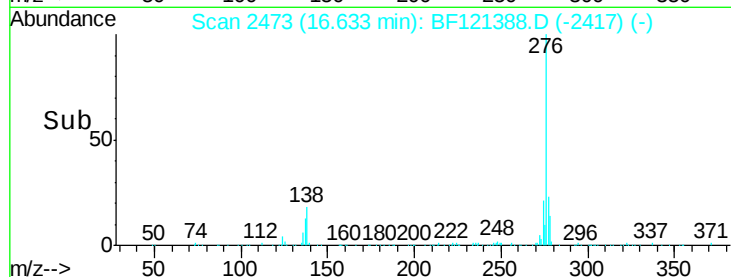
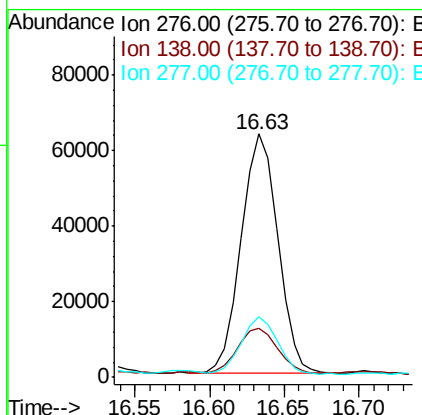
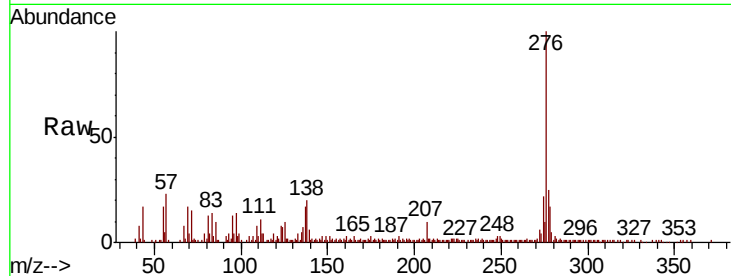
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.225 ng
 RT: 16.63 min Scan# 2473
 Delta R.T. 0.03 min
 Lab File: BF121388.D
 Acq: 22 Aug 2020 1:57

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2-(1-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	19.4	29.0
277	23.5	19.9	29.9

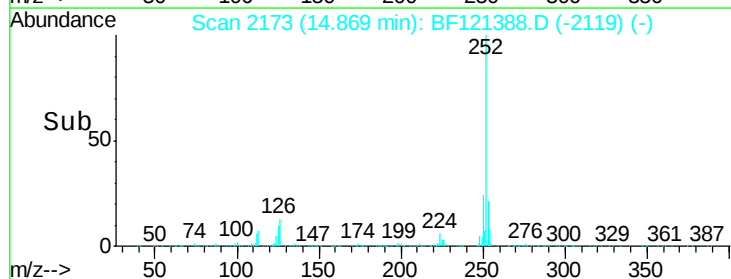
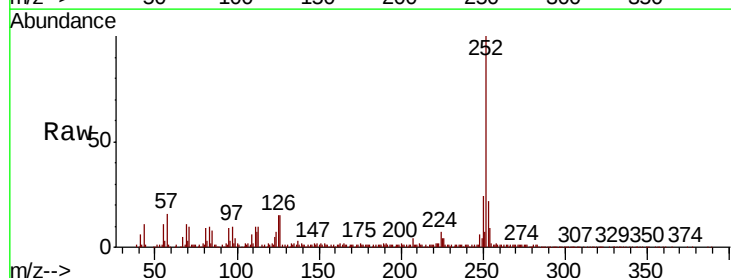
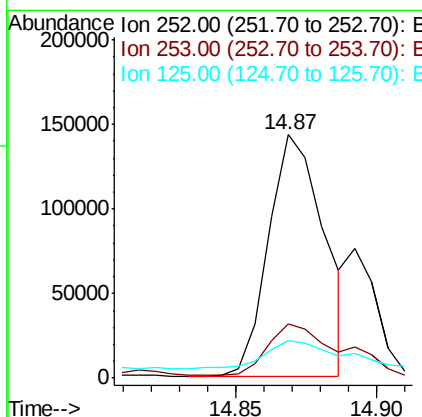
Manual Integrations
 APPROVED

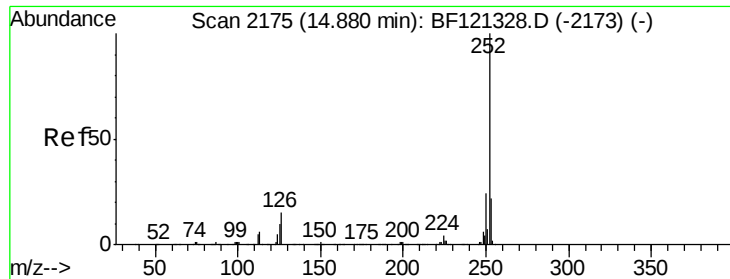
Sohil
 8/24/2020 1:50:15 PM



#88
 Benzo(b)fluoranthene
 Concen: 8.952 ng m
 RT: 14.87 min Scan# 2173
 Delta R.T. 0.02 min
 Lab File: BF121388.D
 Acq: 22 Aug 2020 1:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	15.2	8.6	12.8#





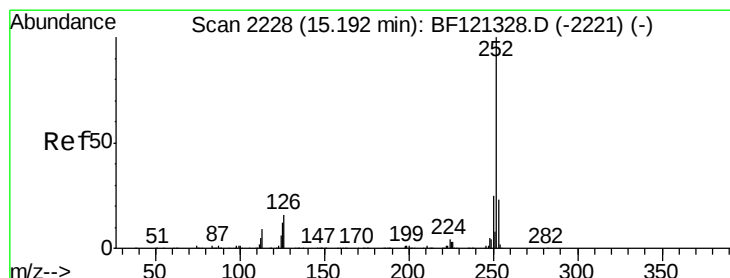
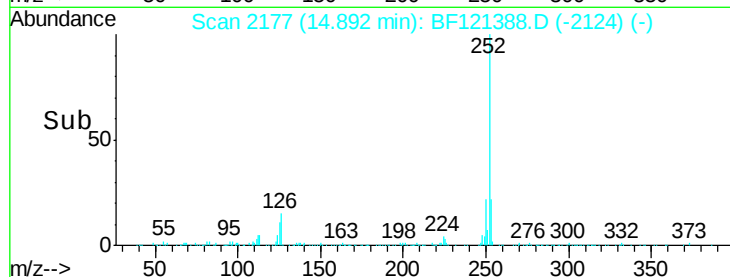
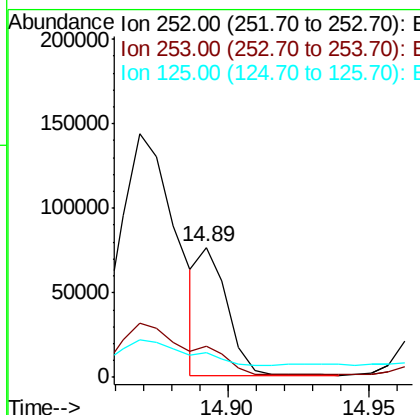
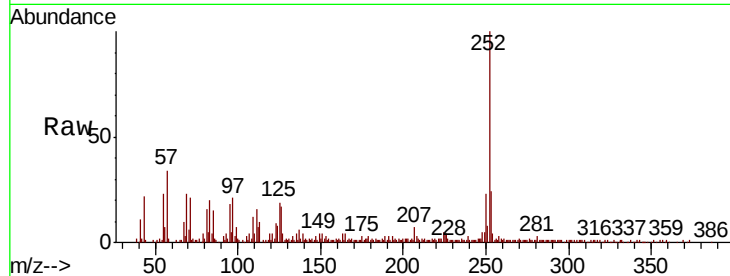
#89
Benzo(k)fluoranthene
Concen: 2.778 ng m
RT: 14.89 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Instrument :
BNA_F
ClientSampleId :
COMP-2-(1-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	18.6	8.6	12.8

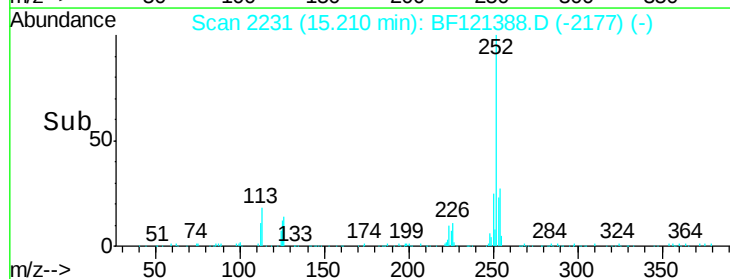
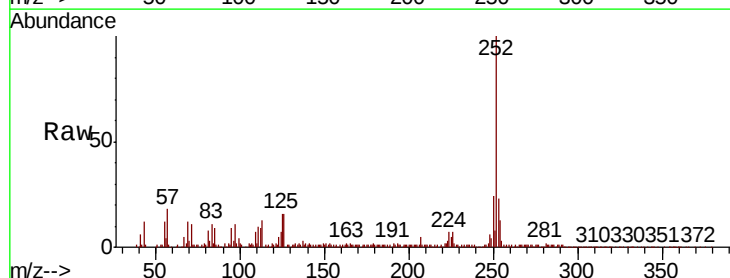
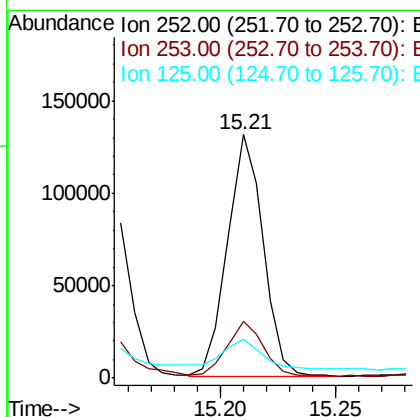
Manual Integrations
APPROVED

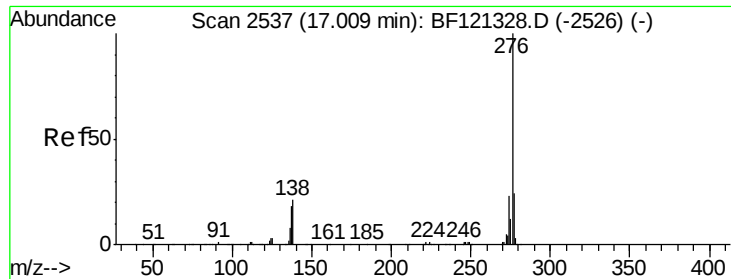
Sohil
8/24/2020 1:50:15 PM



#90
Benzo(a)pyrene
Concen: 7.424 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.02 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	15.8	9.4	14.0





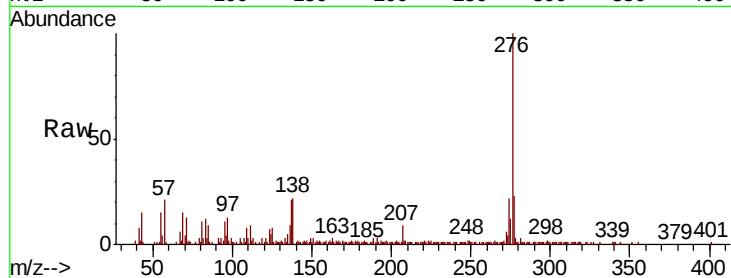
#92
 Benzo(a,h,i)perylene
 Concen: 7.516 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. 0.04 min
 Lab File: BF121388.D
 Acq: 22 Aug 2020 1:57

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2-(1-2)

Tot Ion:	276	Resp:	124603
Ion Ratio		Lower	Upper
276	100		
277	22.9	19.3	28.9
138	22.0	16.8	25.2

Manual Integrations
 APPROVED

Sohil
 8/24/2020 1:50:15 PM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

