

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072820\
 Data File : BF121091.D
 Acq On : 29 Jul 2020 2:29
 Operator : JU/CG
 Sample : L3409-02 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 354

Manual Integrations
 APPROVED

mohammad
 7/29/2020 11:47:59 AM

Quant Time: Jul 29 05:25:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	177251	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	638449	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	355908	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	715668	20.00	ng	0.00
76) Chrysene-d12	13.97	240	455330	20.00	ng	0.00
86) Perylene-d12	15.43	264	423882	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	412331	38.14	ng	0.00
7) Phenol-d6	6.45	99	494093	35.38	ng	0.00
23) Nitrobenzene-d5	7.37	82	302758	27.44	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	168075	43.14	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	655655	27.50	ng	0.00
79) Terphenyl-d14	12.92	244	716132	34.19	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.57	163	95133	3.705	ng	Qvalue 100
71) Phenanthrene	11.36	178	237320	6.448	ng	98
75) Fluoranthene	12.55	202	724659	17.762	ng	97
78) Pyrene	12.77	202	610655	18.969	ng	98
81) Benzo(a)anthracene	13.96	228	290928	10.551	ng	99
83) Chrysene	14.00	228	303151	10.462	ng	98
84) Bis(2-ethylhexyl)phthalate	13.96	149	72251	4.083	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.85	276	209882	7.120	ng	95
88) Benzo(b)fluoranthene	15.00	252	379574m	14.814	ng	
89) Benzo(k)fluoranthene	15.03	252	121427m	5.196	ng	
90) Benzo(a)pyrene	15.36	252	241288	10.322	ng	# 87
91) Dibenzo(a,h)anthracene	16.86	278	51075	2.121	ng	# 65
92) Benzo(a,h,i)perylene	17.29	276	213117	8.976	ng	98

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

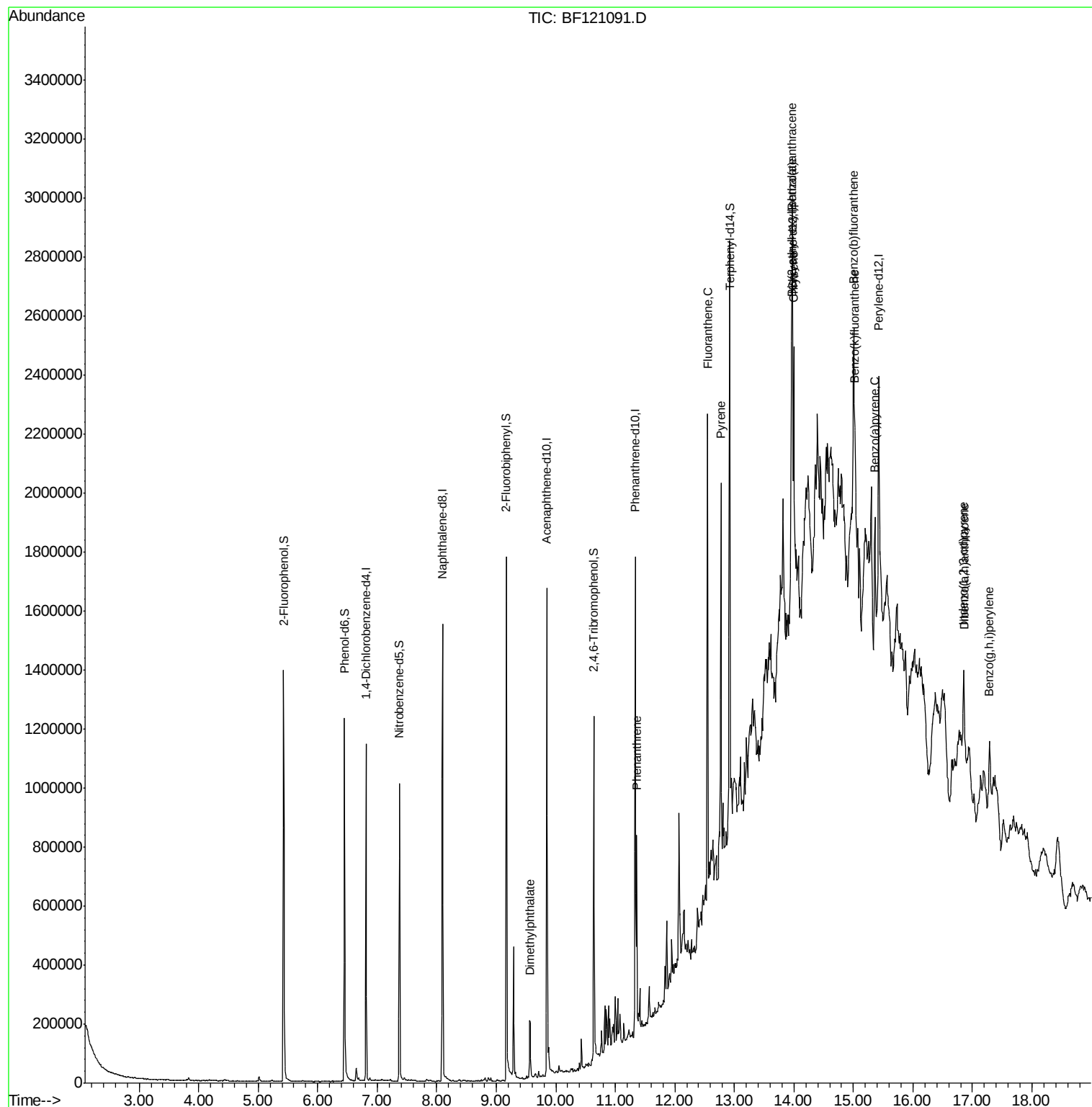
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072820\
Data File : BF121091.D
Acq On : 29 Jul 2020 2:29
Operator : JU/CG
Sample : L3409-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

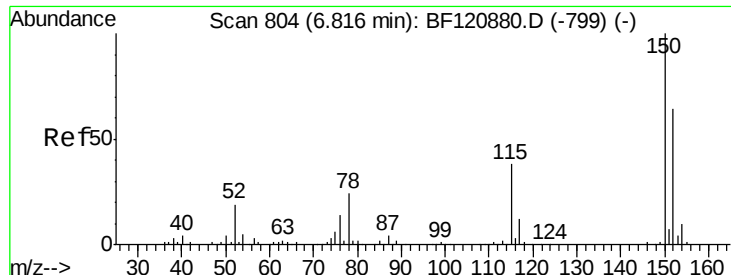
Instrument :
BNA_F
ClientSampleId :
354

Manual Integrations
APPROVED

mohammad
7/29/2020 11:47:59 AM

Quant Time: Jul 29 05:25:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 16 14:20:32 2020
Response via : Initial Calibration





#1

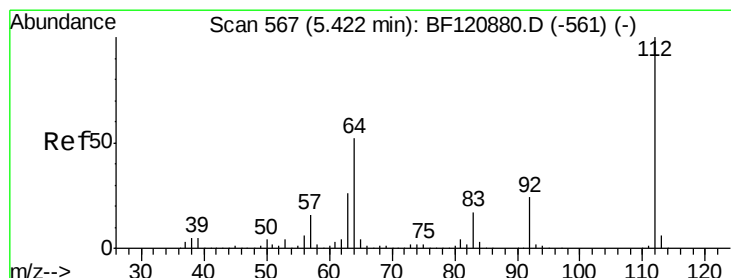
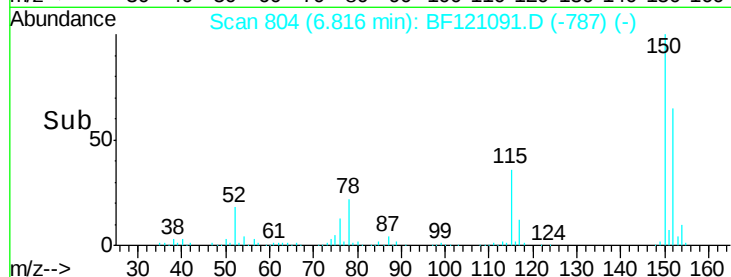
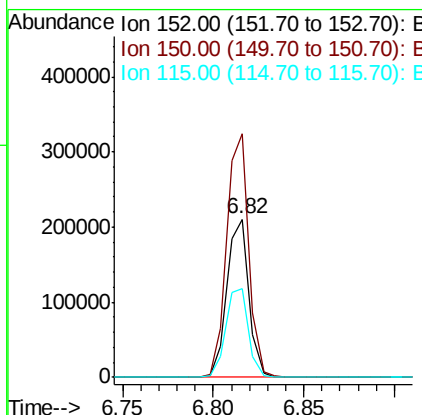
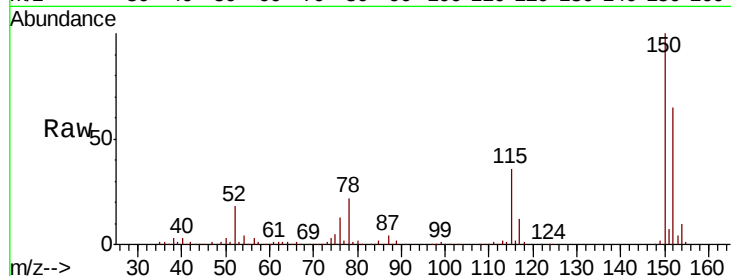
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121091.D
Acq: 29 Jul 2020 2:29

Instrument :
BNA_F
ClientSampled :
354

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	125.0	187.6
115	56.0	47.0	70.4

Manual Integrations
APPROVED

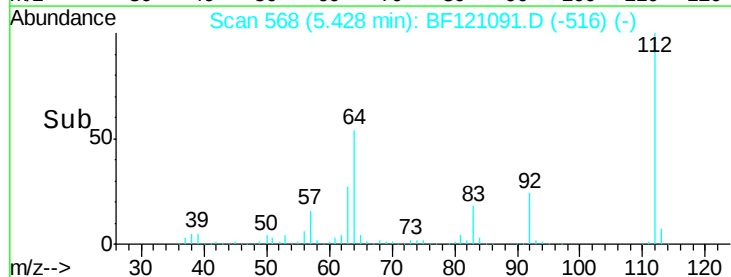
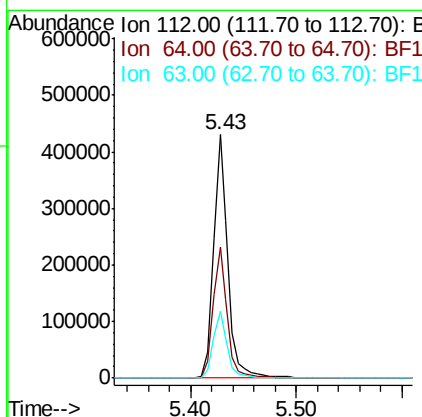
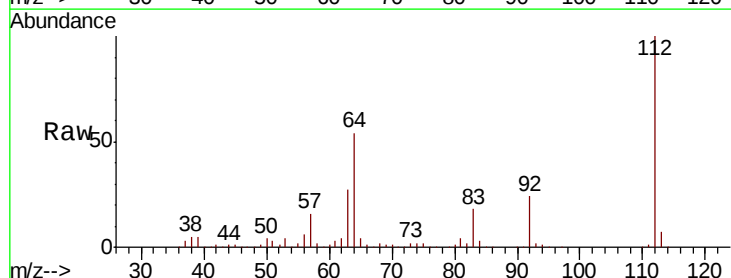
mohammad
7/29/2020 11:47:59 AM

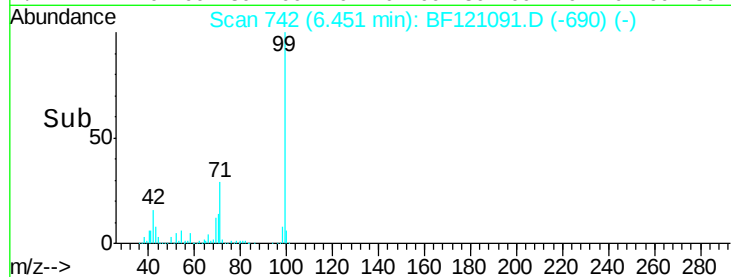
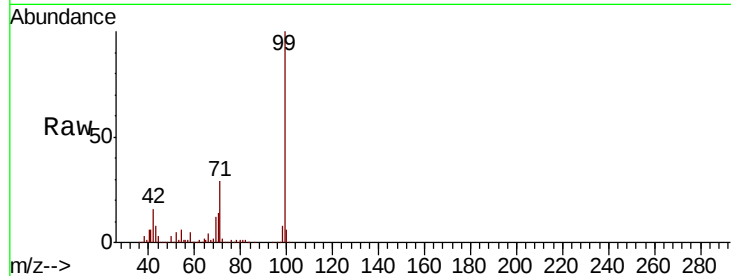


#5

2-Fluorophenol
Concen: 38.136 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF121091.D
Acq: 29 Jul 2020 2:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	41.3	61.9
63	27.5	21.1	31.7





#7

Phenol-d6

Concen: 35.377 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF121091.D

Acq: 29 Jul 2020 2:29

Instrument :

BNA_F

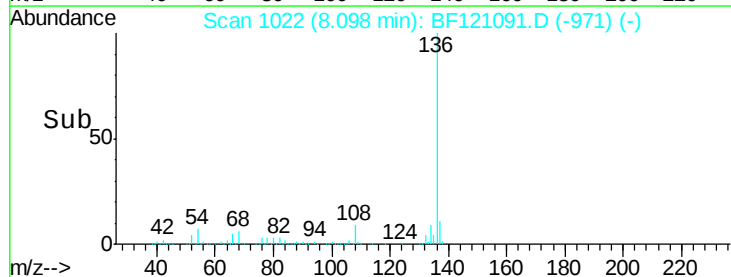
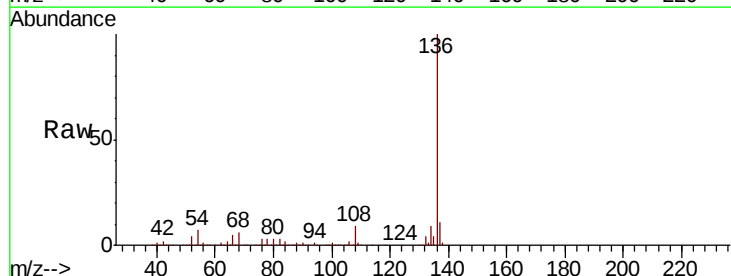
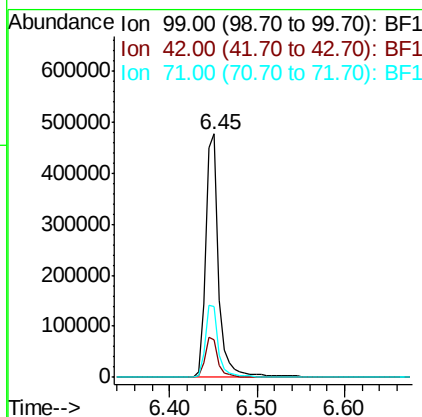
ClientSampleId :

354

Tot Ion:	99	Resp:	494093
Ion Ratio	Lower	Upper	
99	100		
42	15.5	13.1	19.7
71	29.3	24.2	36.4

Manual Integrations
APPROVED

mohammad
7/29/2020 11:47:59 AM



#21

Naphthalene-d8

Concen: 20.000 ng

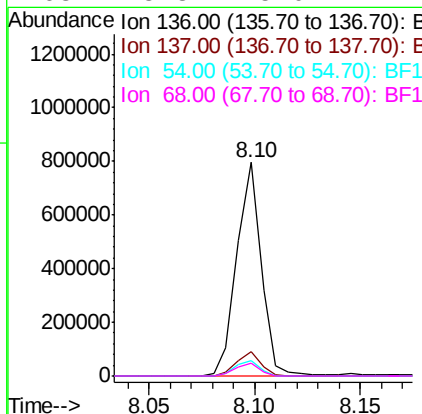
RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF121091.D

Acq: 29 Jul 2020 2:29

Tgt Ion:	136	Resp:	638449
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.3	13.9
54	7.2	6.3	9.5
68	5.8	5.0	7.4





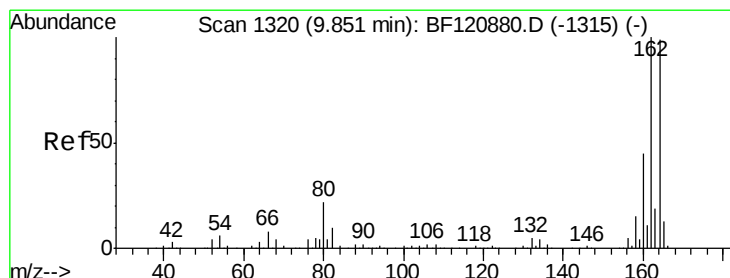
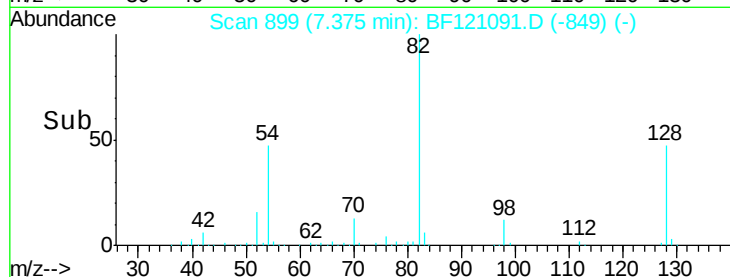
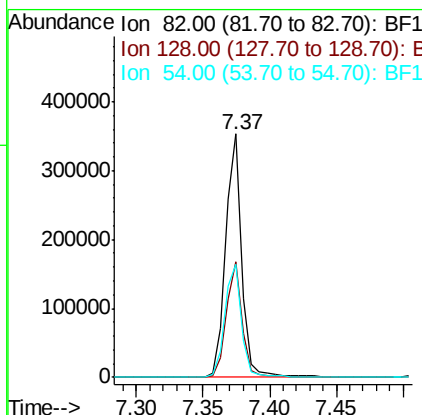
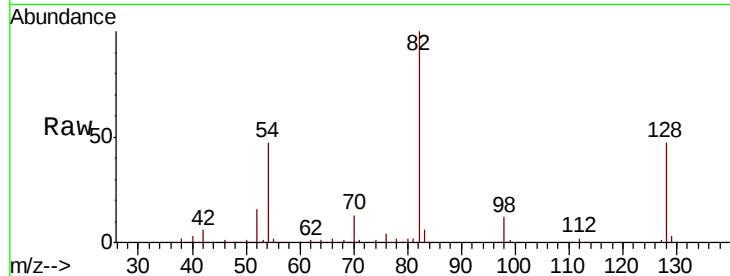
#23
Nitrobenzene-d5
Concen: 27.439 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF121091.D
Acq: 29 Jul 2020 2:29

Instrument :
BNA_F
ClientSampled :
354

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	38.2	57.4
54	46.6	38.7	58.1

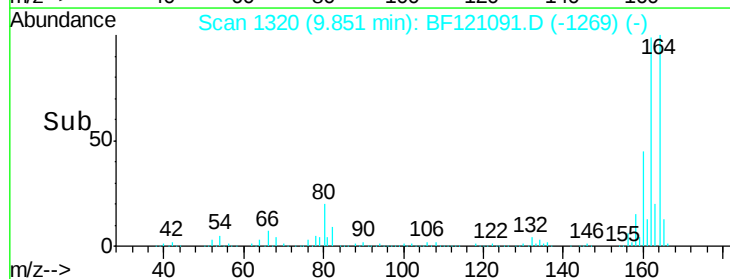
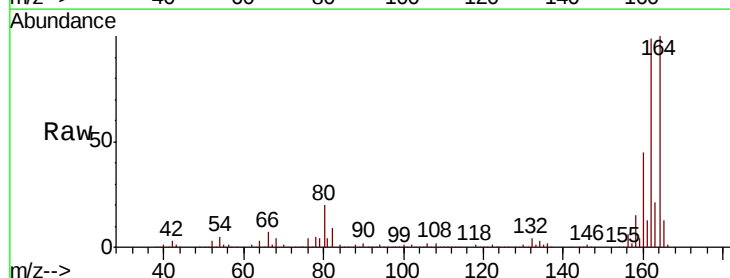
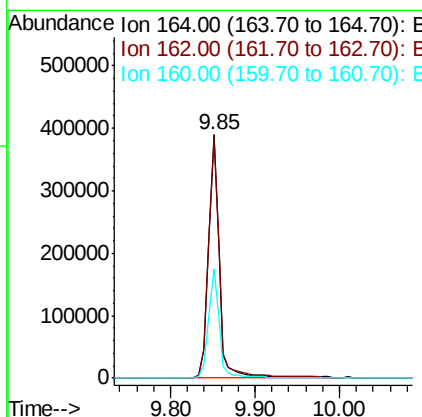
Manual Integrations
APPROVED

mohammad
7/29/2020 11:47:59 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF121091.D
Acq: 29 Jul 2020 2:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.2	121.8
160	44.9	36.9	55.3





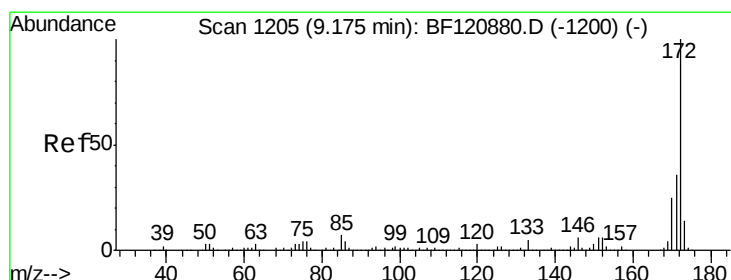
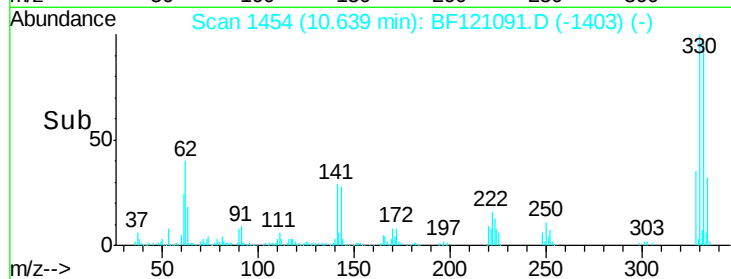
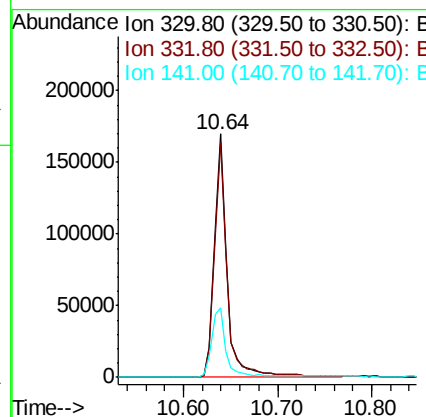
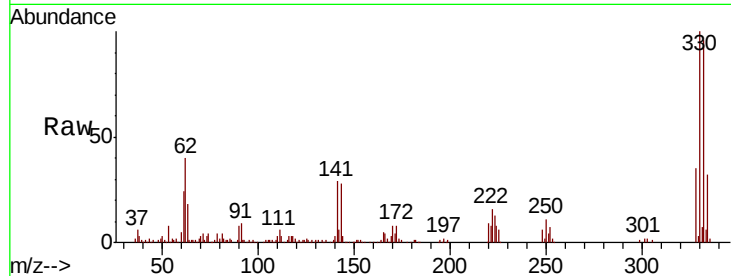
#42
 2,4,6-Tribromophenol
 Concen: 43.143 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF121091.D
 Acq: 29 Jul 2020 2:29

Instrument :
 BNA_F
 ClientSampled :
 354

Tot Ion	Ratio	Resp	Lower	Upper
330	100	168075		
332	96.4	75.5	113.3	
141	30.6	25.7	38.5	

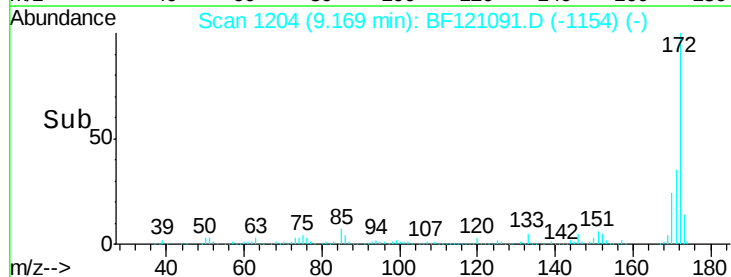
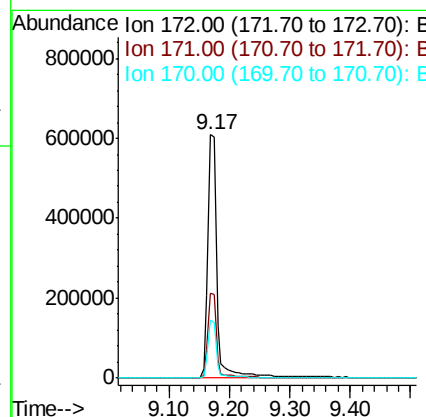
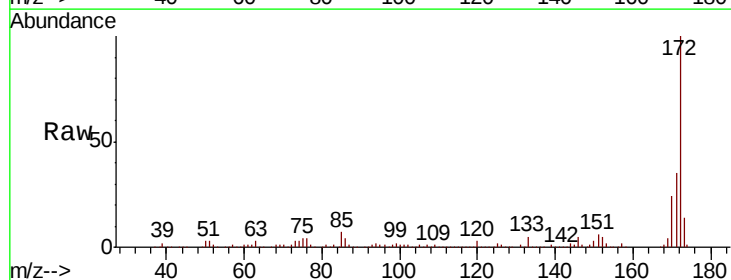
Manual Integrations
 APPROVED

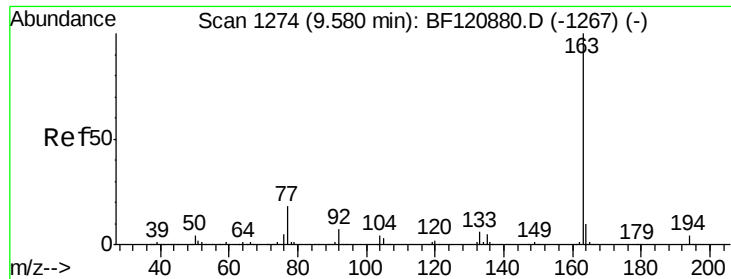
mohammad
 7/29/2020 11:47:59 AM



#45
 2-Fluorobiphenyl
 Concen: 27.505 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF121091.D
 Acq: 29 Jul 2020 2:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	655655		
171	34.8	29.0	43.4	
170	23.7	19.6	29.4	





#50

Dimethylphthalate

Concen: 3.705 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF121091.D

Acq: 29 Jul 2020 2:29

Instrument :

BNA_F

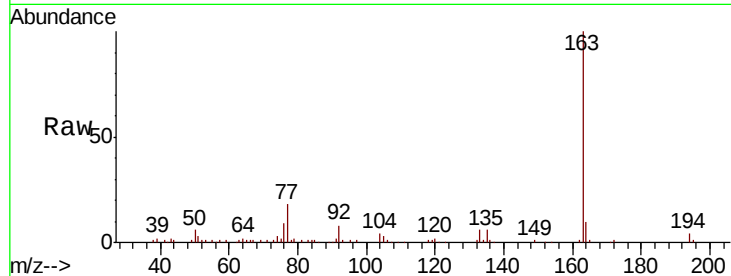
ClientSampleId :

354

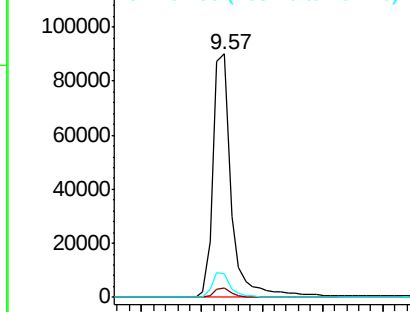
Tot Ion:	163	Resp:	95133
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.2	4.8
164	9.8	7.9	11.9

Manual Integrations
APPROVED

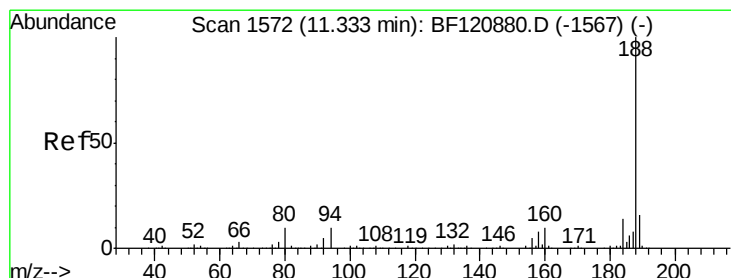
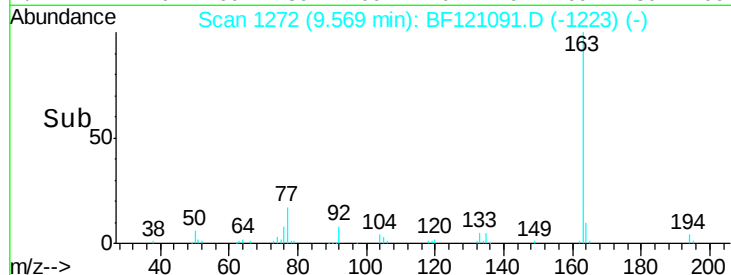
mohammad
7/29/2020 11:47:59 AM



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



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

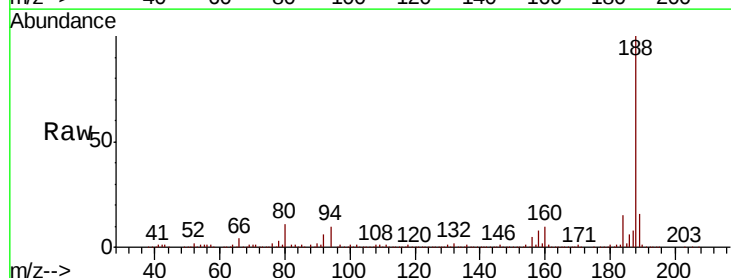
RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

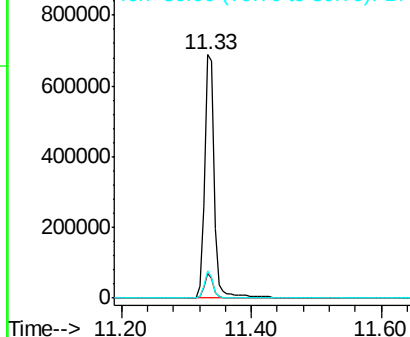
Lab File: BF121091.D

Acq: 29 Jul 2020 2:29

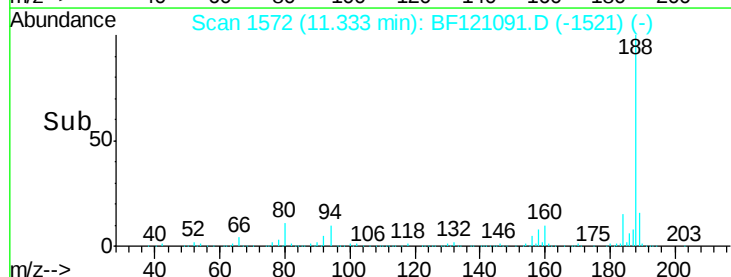
Tgt Ion:	188	Resp:	715668
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.0	12.0
80	11.0	8.3	12.5

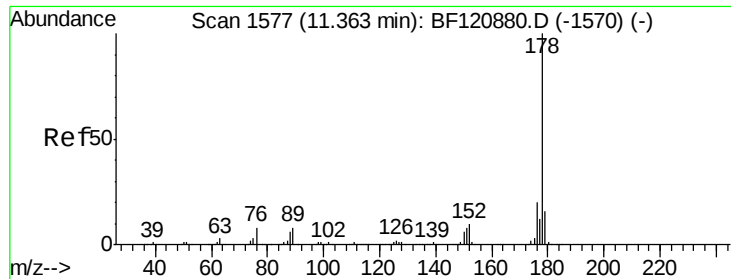


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



Time-->





#71

Phenanthrene

Concen: 6.448 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF121091.D

Acq: 29 Jul 2020 2:29

Instrument :

BNA_F

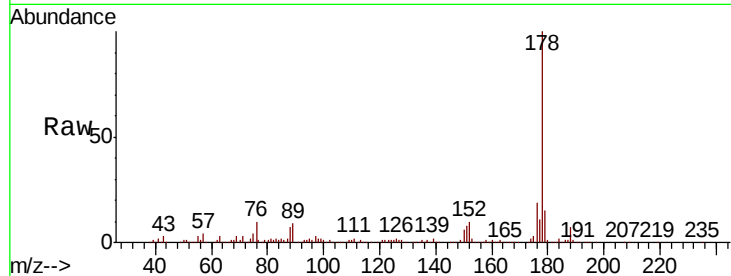
ClientSampleId :

354

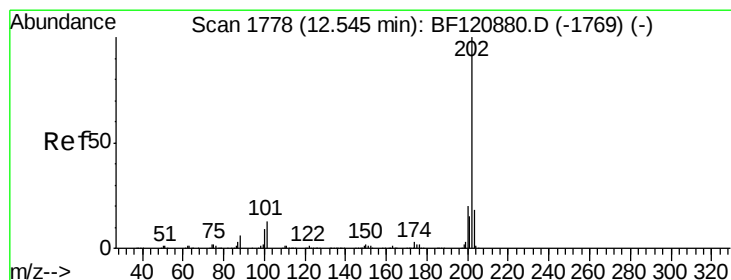
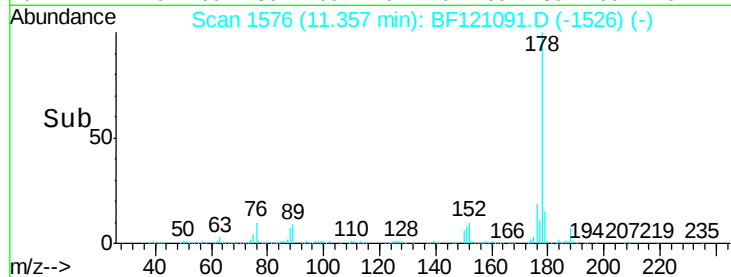
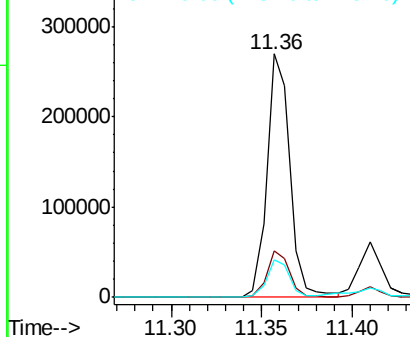
Tot Ion:	178	Resp:	237320
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.2	24.4
179	15.3	12.8	19.2

Manual Integrations
APPROVED

mohammad
7/29/2020 11:47:59 AM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 17.762 ng

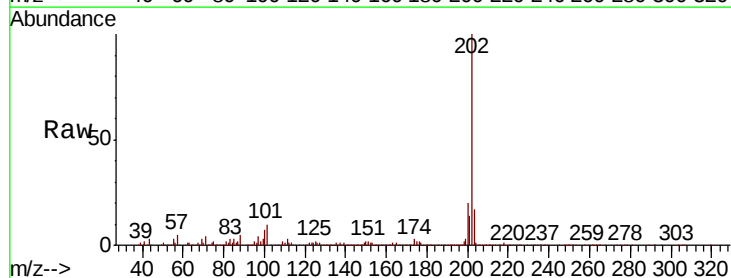
RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

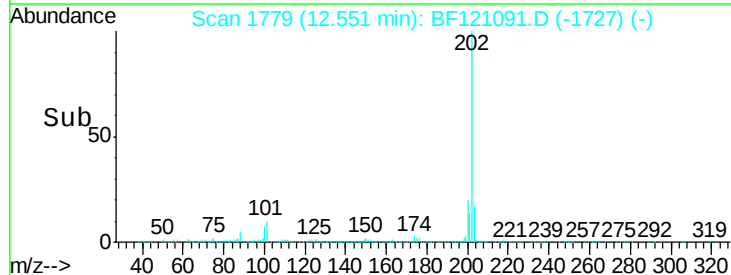
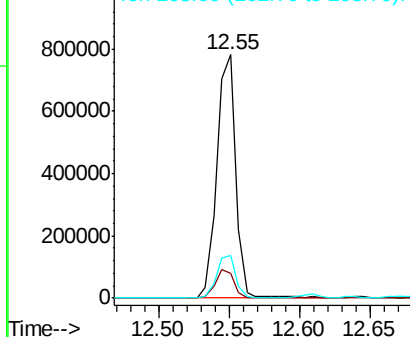
Lab File: BF121091.D

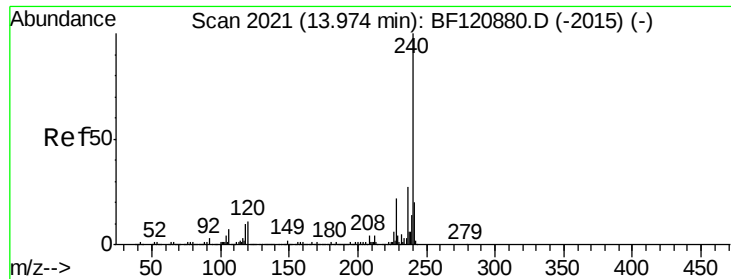
Acq: 29 Jul 2020 2:29

Tgt Ion:	202	Resp:	724659
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	32.7
203	17.5	0.0	38.0



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





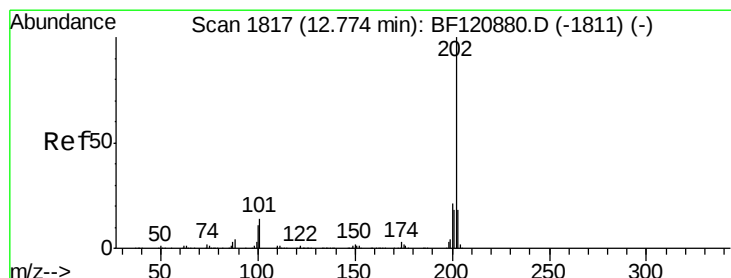
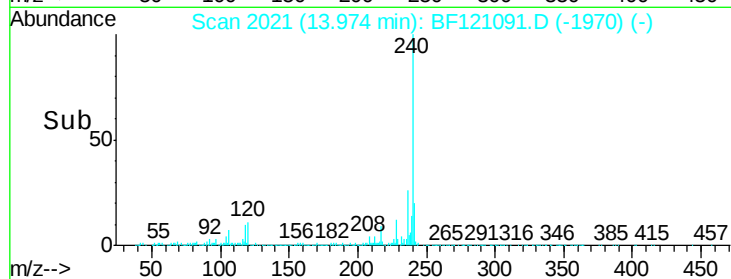
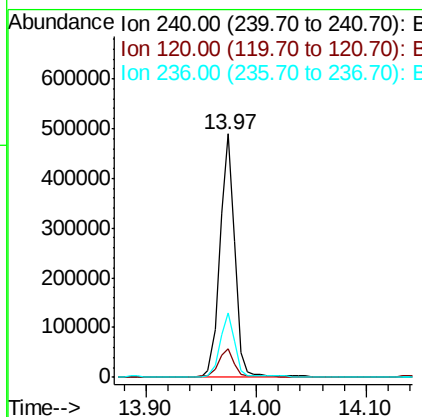
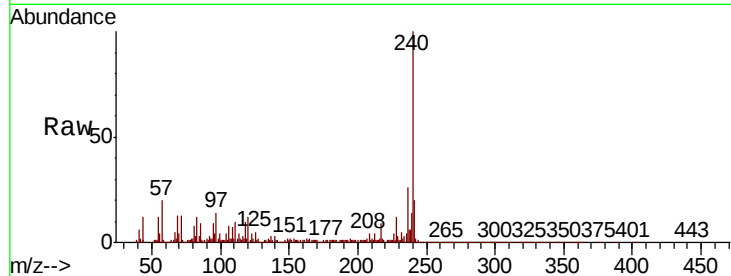
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF121091.D
Acq: 29 Jul 2020 2:29

Instrument :
BNA_F
ClientSampleId :
354

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.0	13.4
236	26.4	21.7	32.5

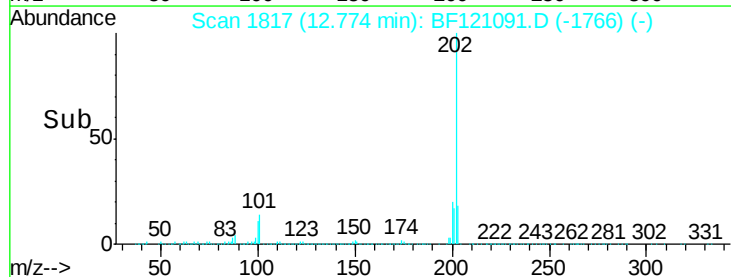
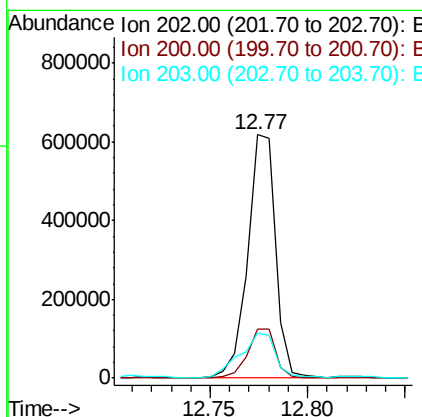
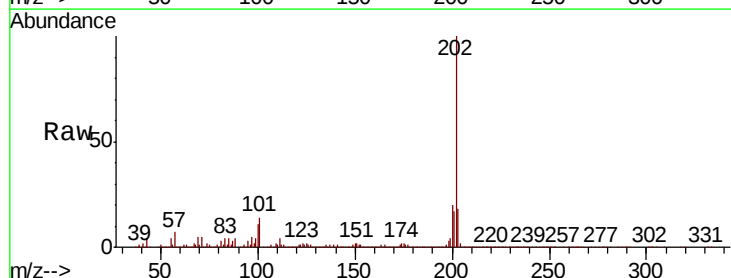
Manual Integrations
APPROVED

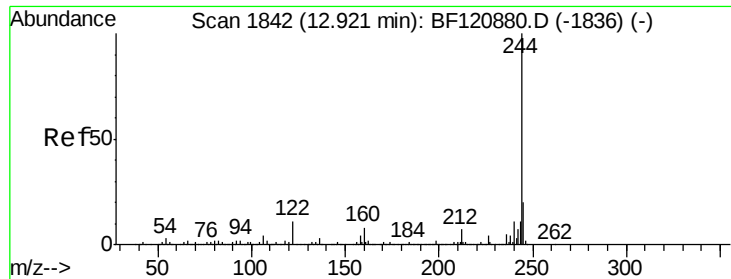
mohammad
7/29/2020 11:47:59 AM



#78
Pyrene
Concen: 18.969 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF121091.D
Acq: 29 Jul 2020 2:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.4
203	18.4	14.4	21.6





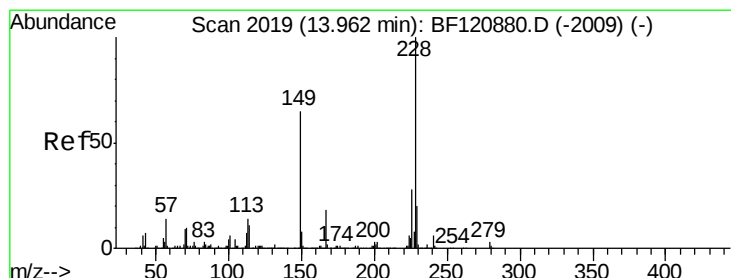
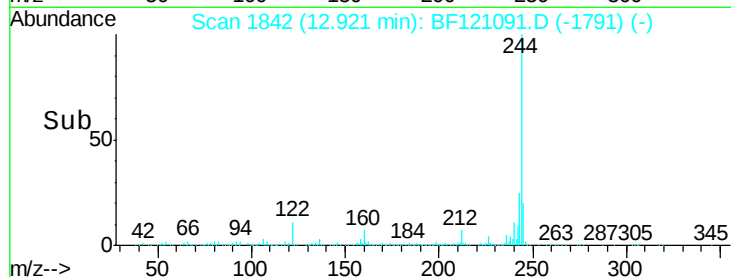
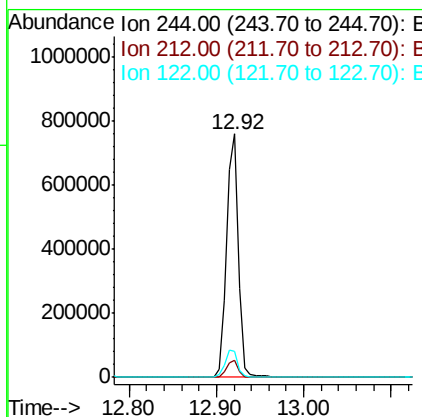
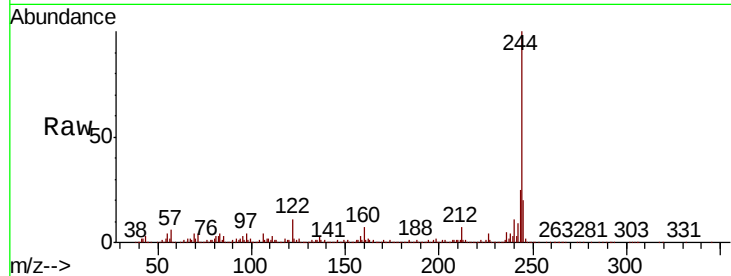
#79
 Terphenyl-d14
 Concen: 34.189 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF121091.D
 Acq: 29 Jul 2020 2:29

Instrument :
 BNA_F
 ClientSampled :
 354

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.8	8.9	13.3

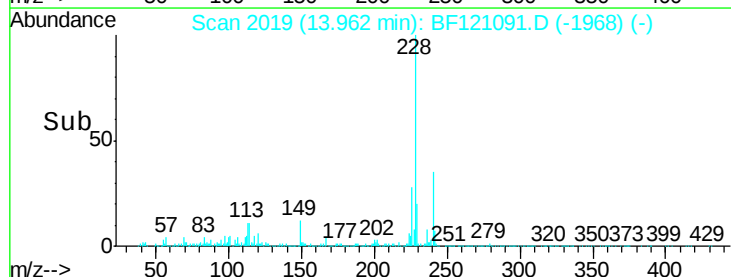
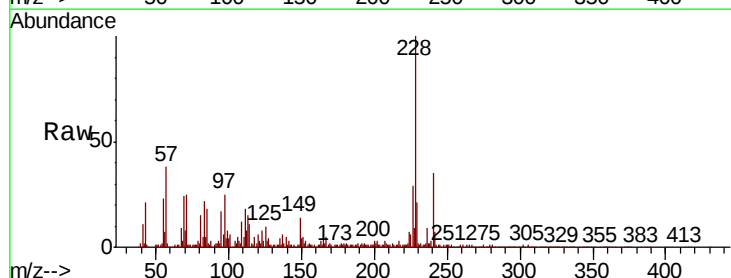
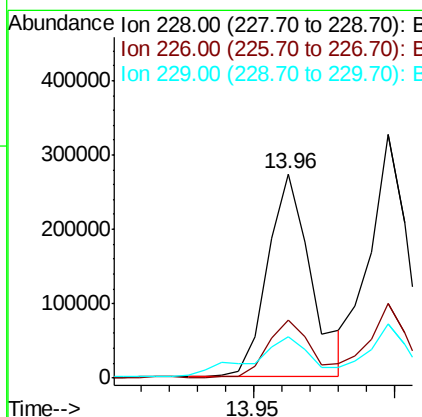
Manual Integrations
 APPROVED

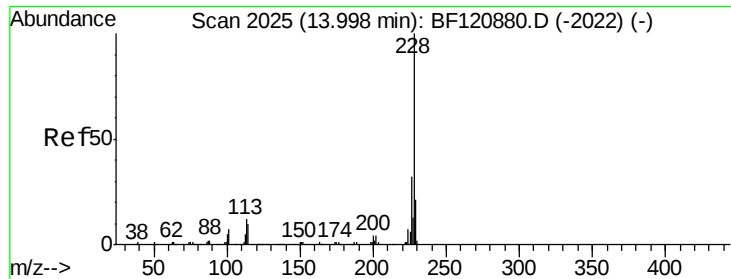
mohammad
 7/29/2020 11:47:59 AM



#81
 Benzo(a)anthracene
 Concen: 10.551 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF121091.D
 Acq: 29 Jul 2020 2:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.3	33.5
229	20.5	16.1	24.1





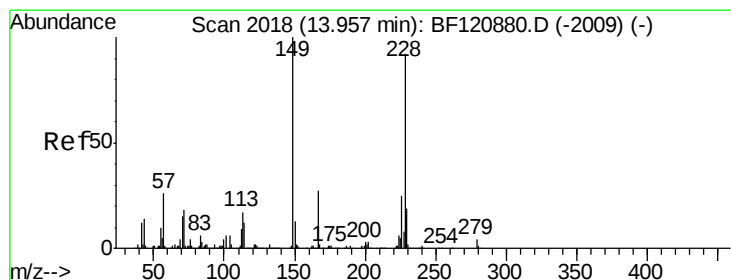
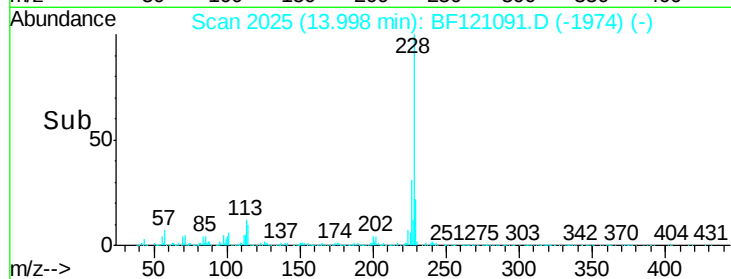
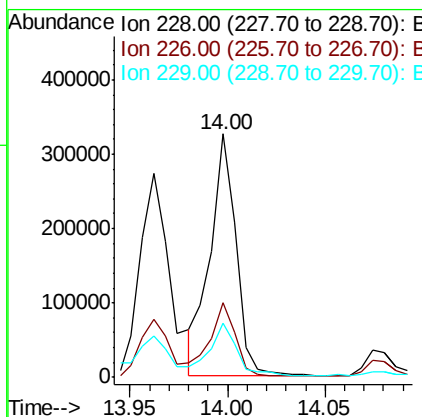
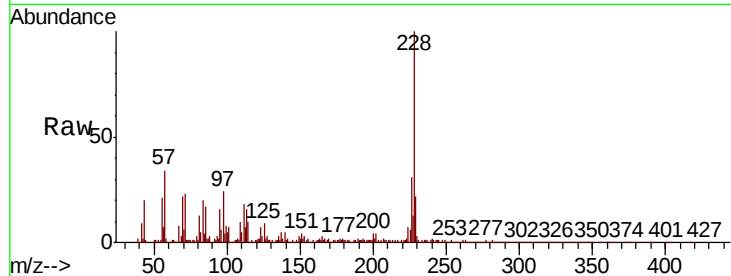
#83
Chrysene
Concen: 10.462 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF121091.D
Acq: 29 Jul 2020 2:29

Instrument :
BNA_F
ClientSampled :
354

Tot Ion:	228	Resp:	303151
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.6	38.4
229	22.3	16.8	25.2

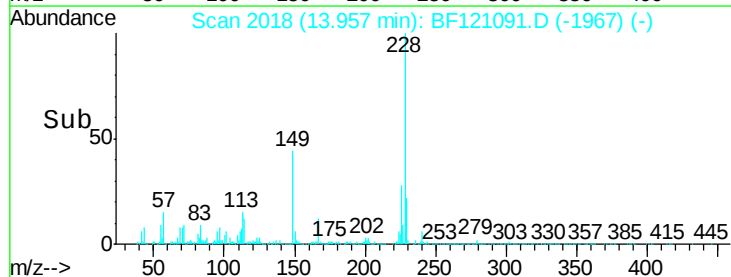
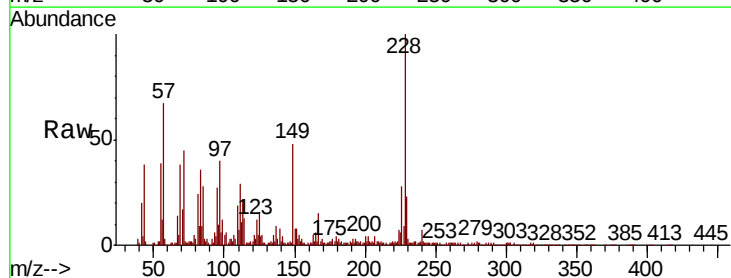
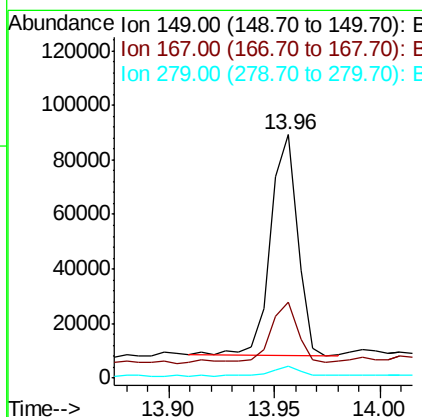
Manual Integrations
APPROVED

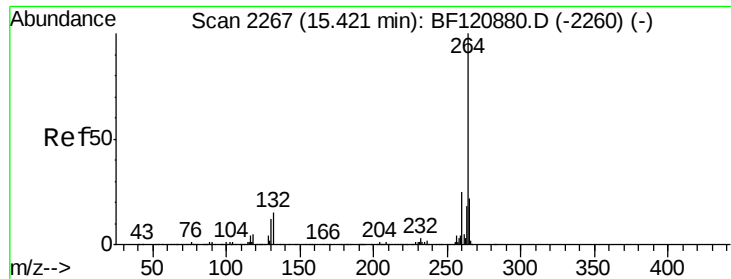
mohammad
7/29/2020 11:47:59 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.083 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF121091.D
Acq: 29 Jul 2020 2:29

Tgt Ion:	149	Resp:	72251
Ion Ratio	Lower	Upper	
149	100		
167	31.1	21.9	32.9
279	4.8	3.0	4.4#





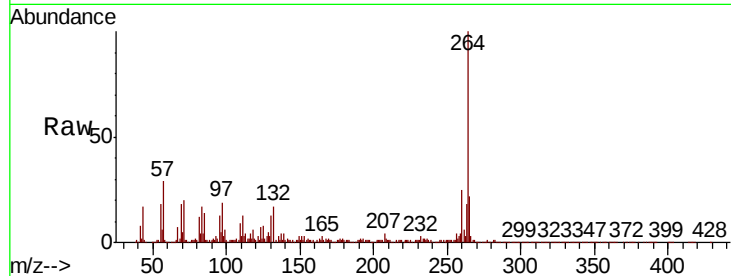
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF121091.D
Acq: 29 Jul 2020 2:29

Instrument :
BNA_F
ClientSampled :
354

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.0	30.0
265	22.1	17.4	26.2

Manual Integrations
APPROVED

mohammad
7/29/2020 11:47:59 AM

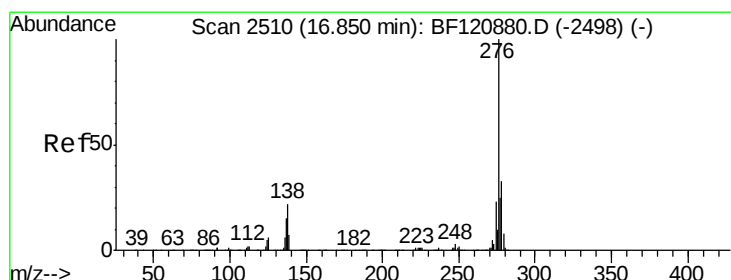
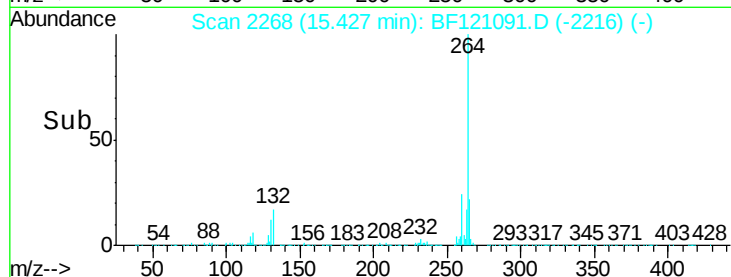
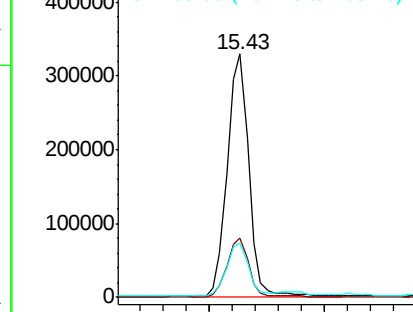


Abundance

Ion 264.00 (263.70 to 264.70): E

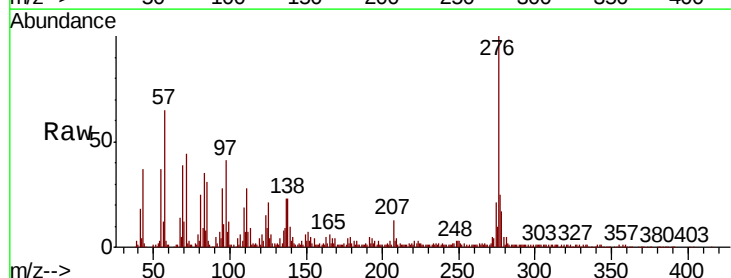
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.120 ng
RT: 16.85 min Scan# 2510
Delta R.T. 0.00 min
Lab File: BF121091.D
Acq: 29 Jul 2020 2:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.8	29.8
277	23.6	20.2	30.2

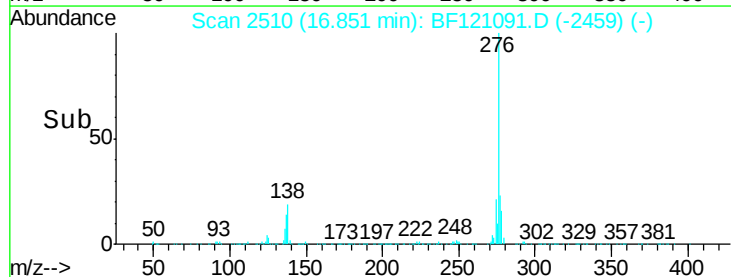
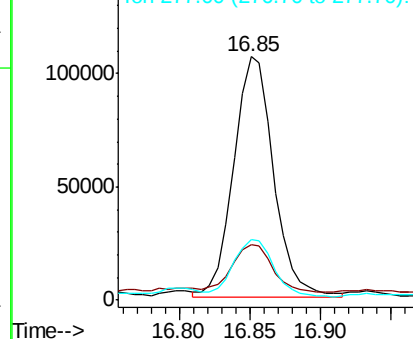


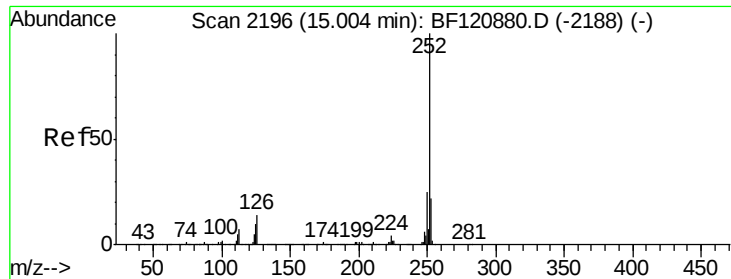
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





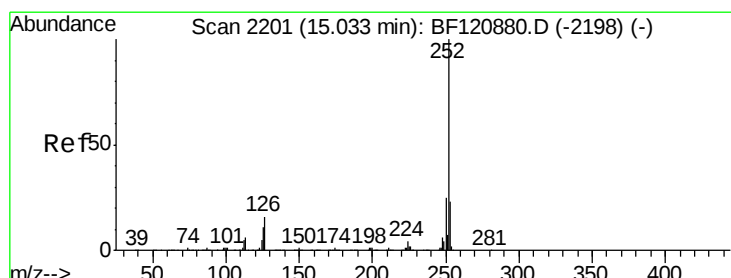
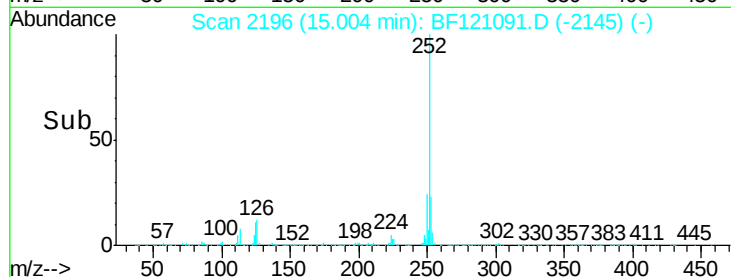
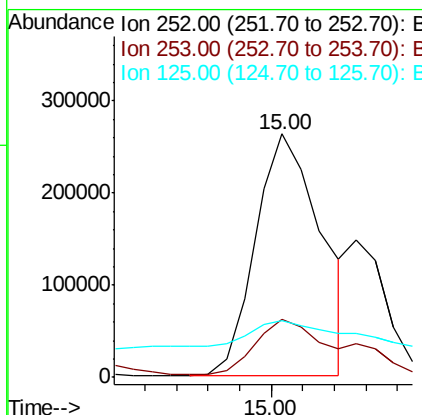
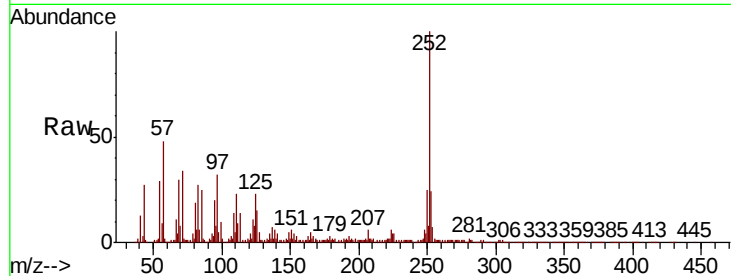
#88
Benzo(b)fluoranthene
Concen: 14.814 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF121091.D
Acq: 29 Jul 2020 2:29

Instrument :
BNA_F
ClientSampleId :
354

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	23.2	8.3	12.5

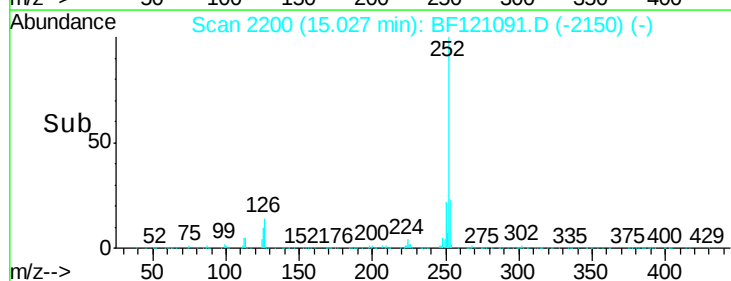
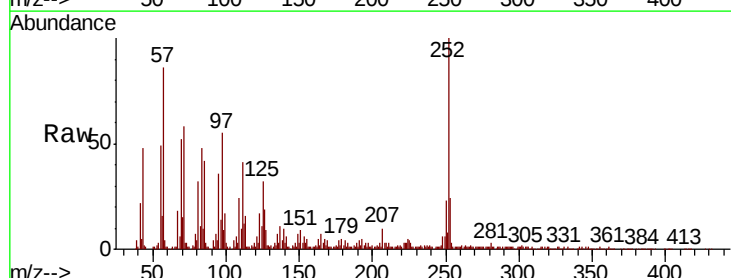
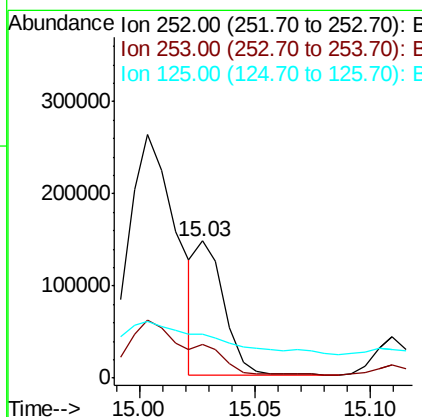
Manual Integrations
APPROVED

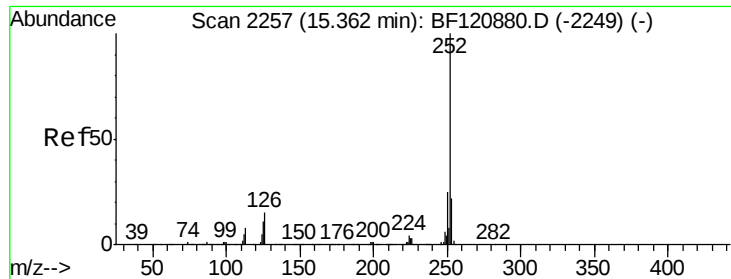
mohammad
7/29/2020 11:47:59 AM



#89
Benzo(k)fluoranthene
Concen: 5.196 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF121091.D
Acq: 29 Jul 2020 2:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	32.4	8.4	12.6





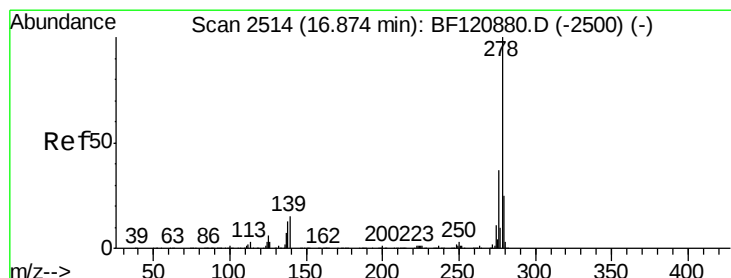
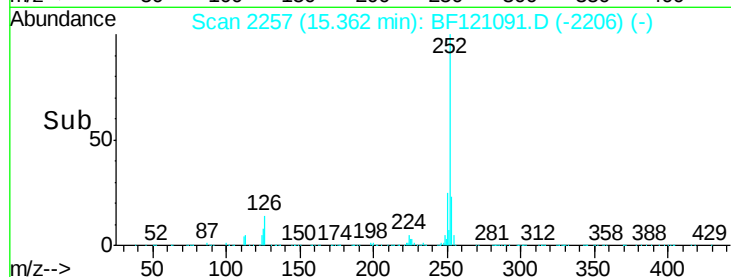
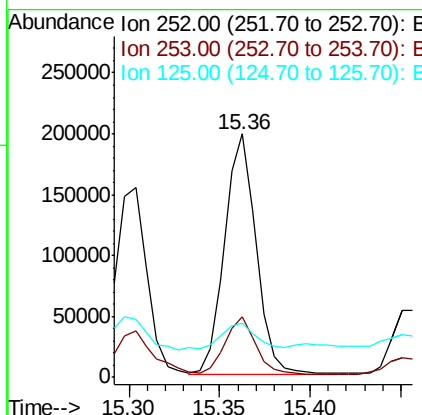
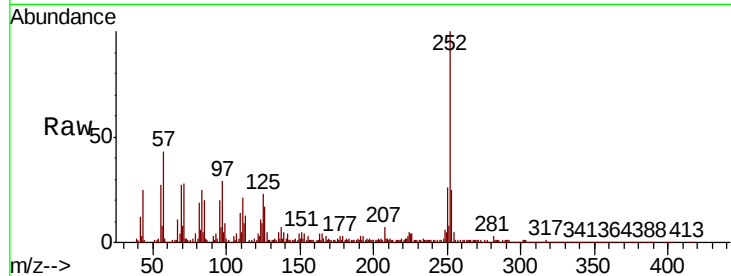
#90
Benzo(a)pyrene
Concen: 10.322 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121091.D
Acq: 29 Jul 2020 2:29

Instrument :
BNA_F
ClientSampled :
354

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	22.5	8.9	13.3

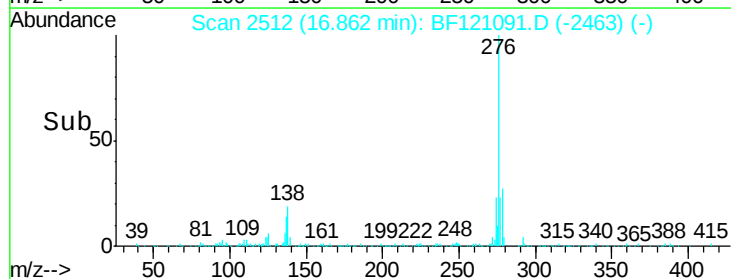
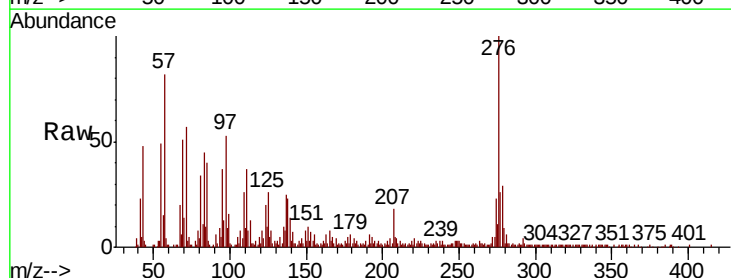
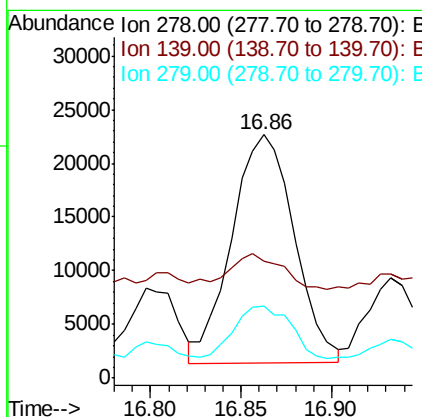
Manual Integrations
APPROVED

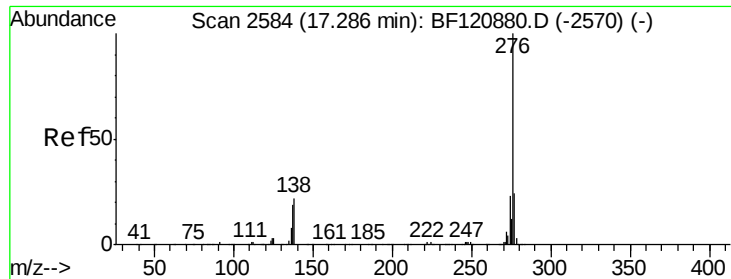
mohammad
7/29/2020 11:47:59 AM



#91
Dibenzo(a,h)anthracene
Concen: 2.121 ng
RT: 16.86 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BF121091.D
Acq: 29 Jul 2020 2:29

Tgt Ion	Ratio	Lower	Upper
278	100		
139	48.1	12.3	18.5
279	29.7	20.1	30.1





#92
 Benzo(a,h,i)perylene
 Concen: 8.976 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: BF121091.D
 Acq: 29 Jul 2020 2:29

Instrument :
 BNA_F
 ClientSampleId :
 354

Tot Ion:	276	Resp:	213117
Ion Ratio		Lower	Upper
276	100		
277	24.5	18.8	28.2
138	22.4	17.5	26.3

Manual Integrations
 APPROVED

mohammad
 7/29/2020 11:47:59 AM

