

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
 Data File : BF118835.D
 Acq On : 6 Feb 2020 14:23
 Operator : CG/JU
 Sample : L1408-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHORE-RD-PATH-BH-01-A

Manual Integrations
 APPROVED

mohammad
 2/10/2020 8:10:44 AM

Quant Time: Feb 06 17:32:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	233949	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	822576	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	490462	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	974117	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	793872	20.00	ng	-0.02
87) Perylene-d12	15.41	264	762924	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1068875	86.48	ng	0.00
7) Phenol-d6	6.45	99	1300268	84.75	ng	0.00
23) Nitrobenzene-d5	7.37	82	871502	63.15	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	527517	89.89	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1680679	61.26	ng	-0.01
79) Terphenyl-d14	12.92	244	2175458	56.29	ng	-0.01
Target Compounds						
10) Phenol	6.45	94	41365	2.425	ng	80
50) Dimethylphthalate	9.56	163	116636	3.493	ng	98
71) Phenanthrene	11.35	178	277996	5.800	ng	96
75) Fluoranthene	12.54	202	437725	8.365	ng	98
78) Pyrene	12.77	202	397902	7.306	ng	96
81) Benzo(a)anthracene	13.96	228	180617	3.823	ng	99
83) Chrysene	13.99	228	167713	3.537	ng	96
84) Bis(2-ethylhexyl)phthalate	13.95	149	63142	2.002	ng	99
88) Benzo(b)fluoranthene	14.99	252	188208m	3.976	ng	
90) Benzo(a)pyrene	15.34	252	127261	3.141	ng	99
92) Benzo(g,h,i)perylene	17.27	276	77356	2.236	ng	95

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

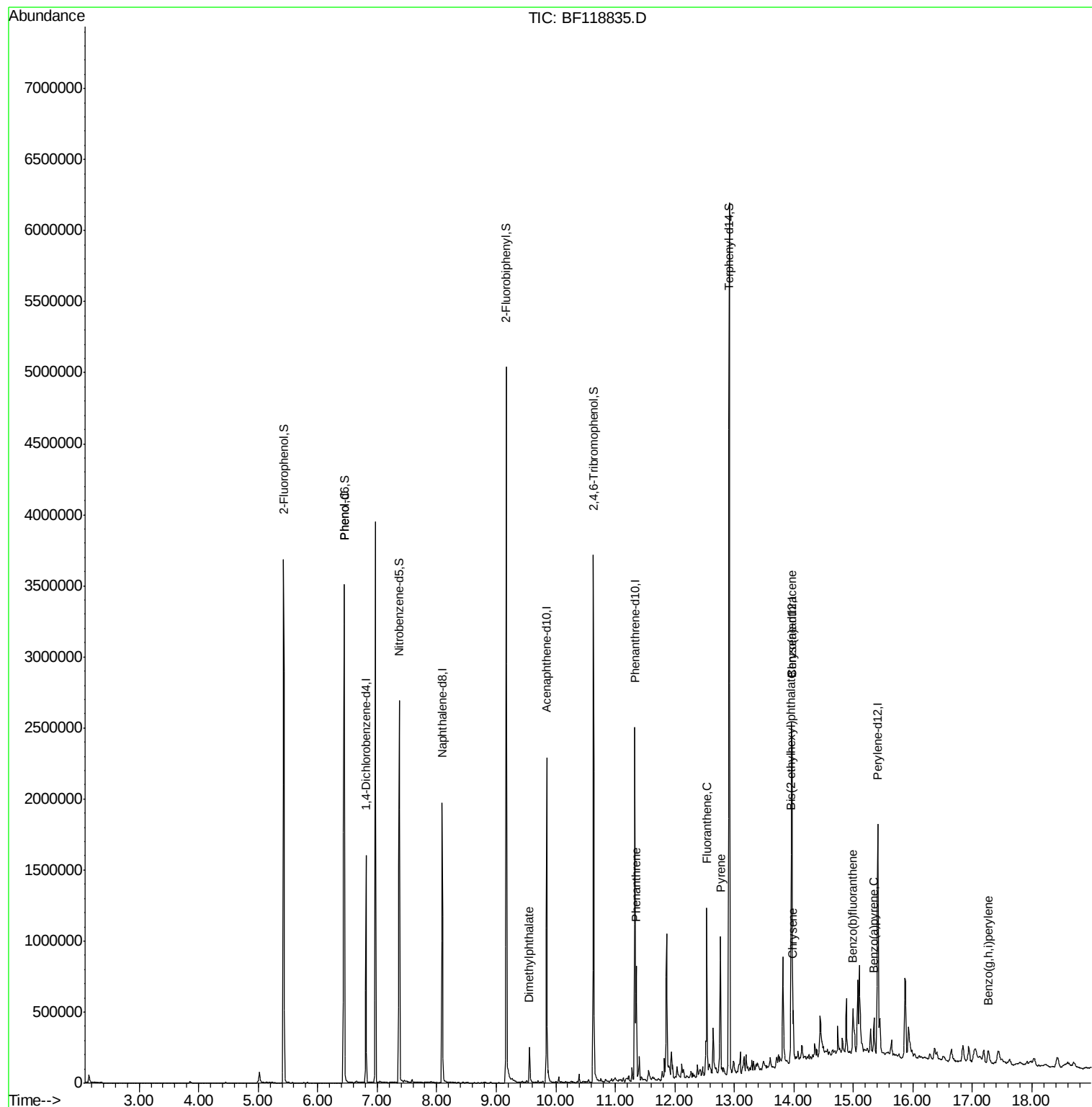
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118835.D
Acq On : 6 Feb 2020 14:23
Operator : CG/JU
Sample : L1408-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

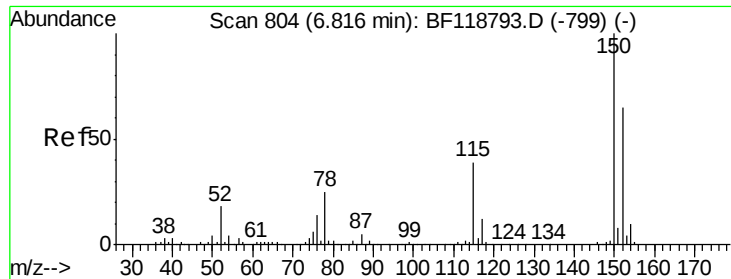
Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-01-A

Quant Time: Feb 06 17:32:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
2/10/2020 8:10:44 AM





#1

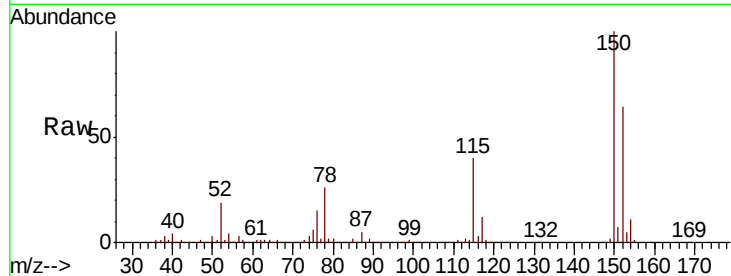
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-01-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	123.6	185.4
115	62.2	48.2	72.2

Manual Integrations
APPROVED

mohammad
2/10/2020 8:10:44 AM

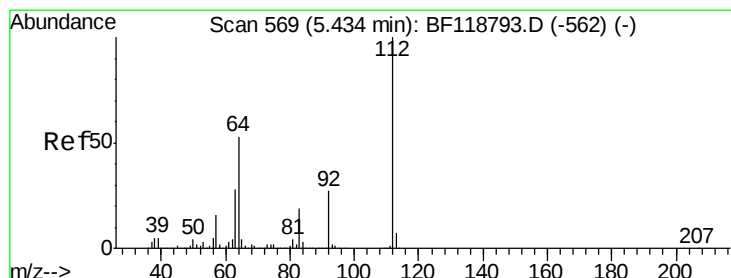
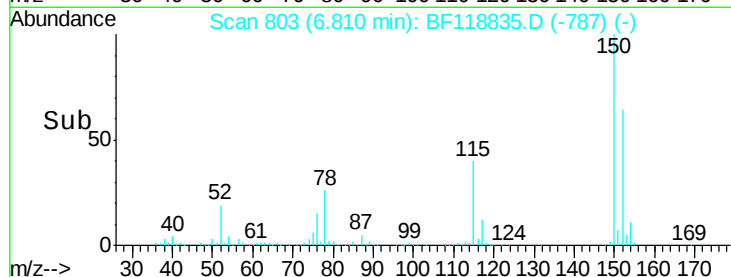
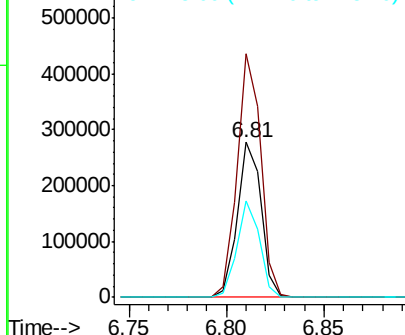


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

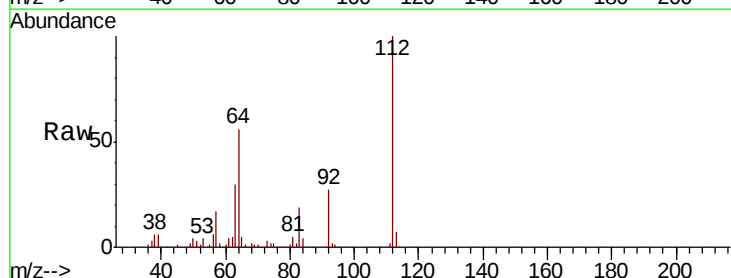
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.485 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	42.6	63.8
63	29.9	22.2	33.4

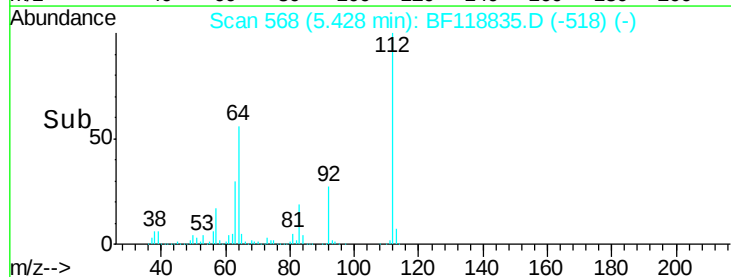
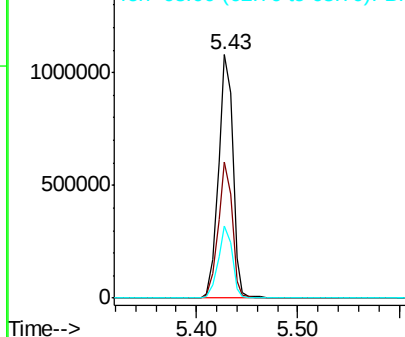


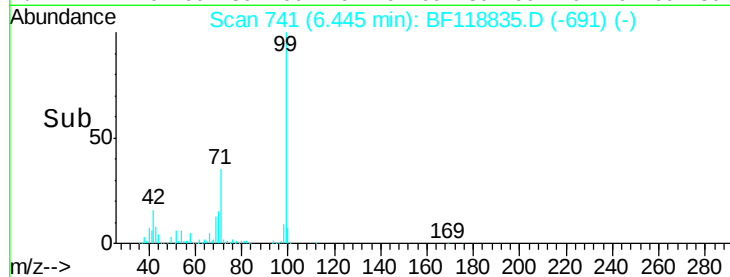
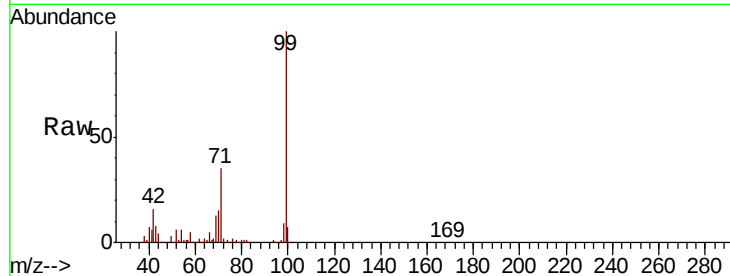
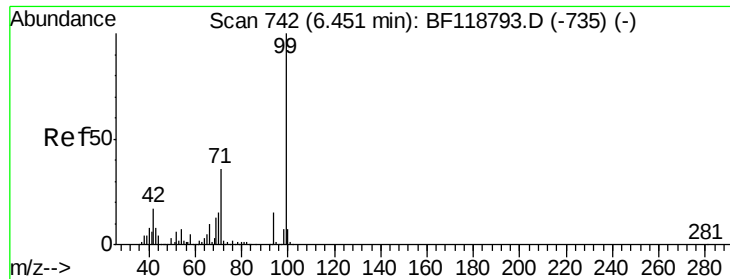
Abundance

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: 84.752 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118835.D

Acq: 6 Feb 2020 14:23

Tot Ion: 99 Resp: 1300268

Ion Ratio Lower Upper

99 100

42 15.7 13.4 20.0

71 35.1 29.0 43.6

Instrument :

BNA_F

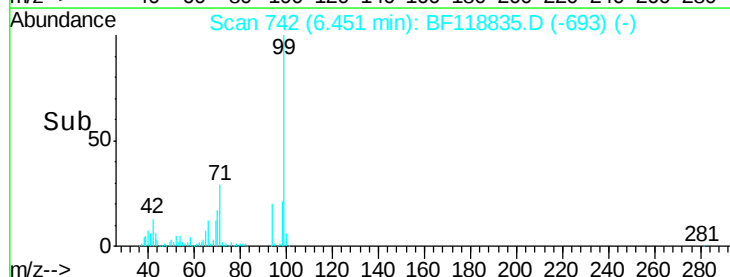
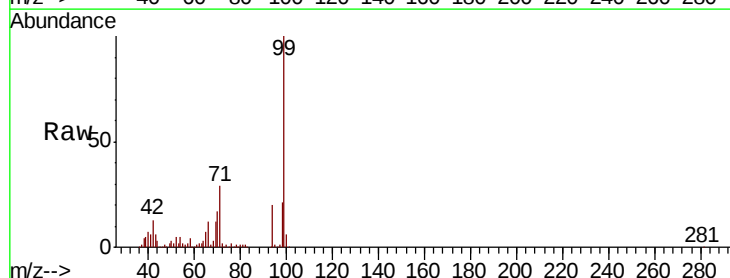
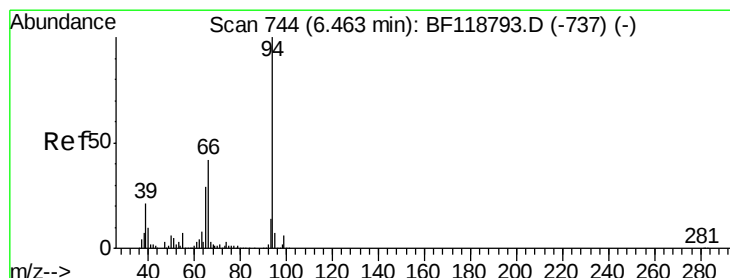
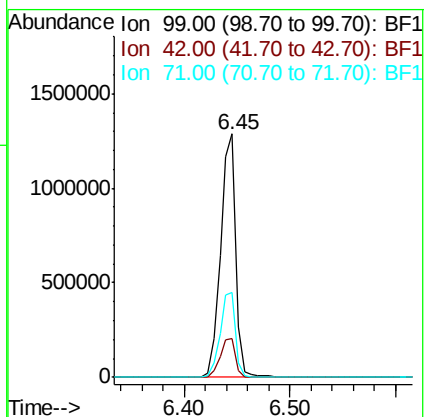
ClientSampleId :

SHORE-RD-PATH-BH-01-A

Manual Integrations

APPROVED

mohammad
2/10/2020 8:10:44 AM



#10

Phenol

Concen: 2.425 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF118835.D

Acq: 6 Feb 2020 14:23

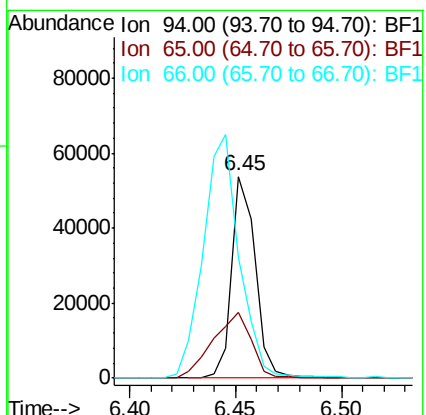
Tgt Ion: 94 Resp: 41365

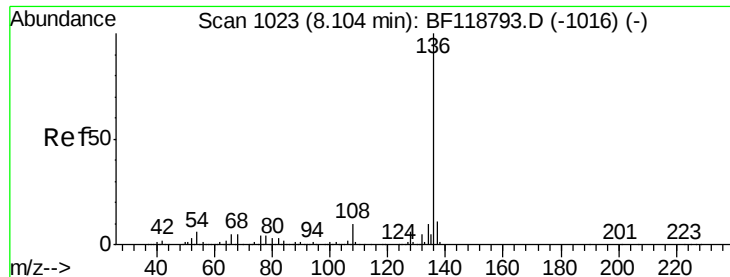
Ion Ratio Lower Upper

94 100

65 32.6 9.1 49.1

66 60.0 21.7 61.7





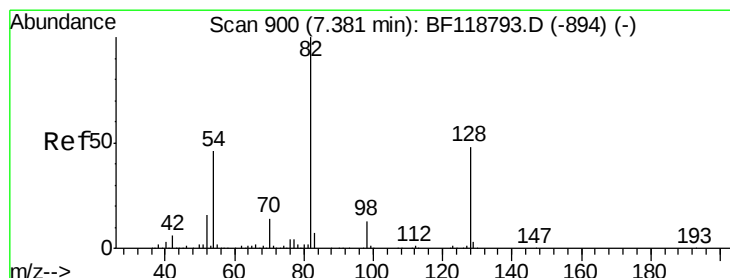
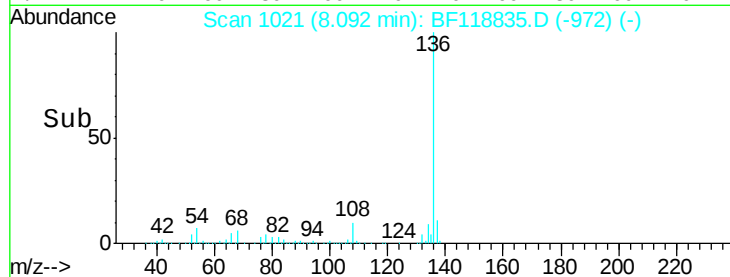
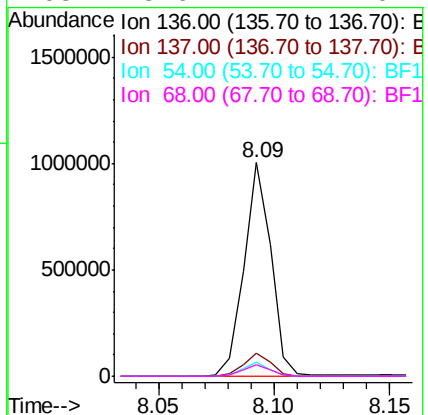
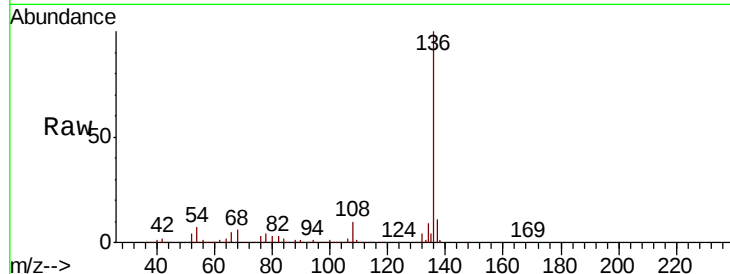
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-01-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100	822576		
137	11.0		8.7	13.1
54	6.6		5.0	7.6
68	5.6		4.2	6.4

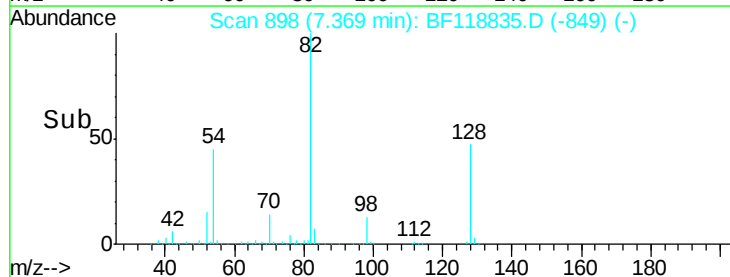
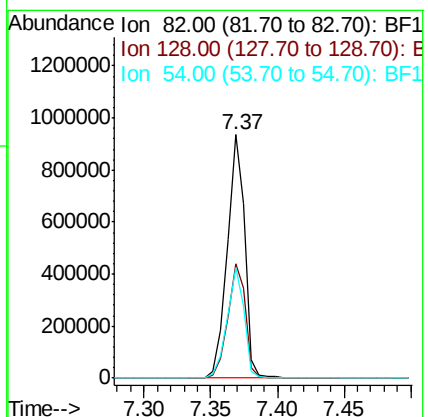
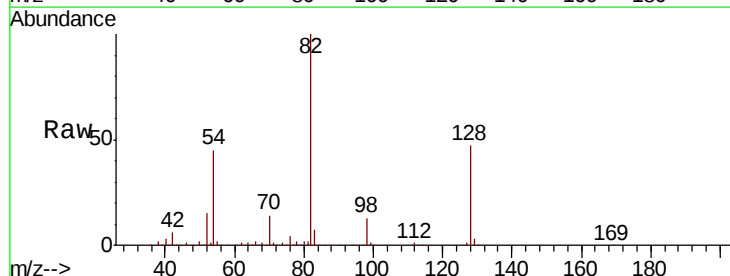
Manual Integrations
APPROVED

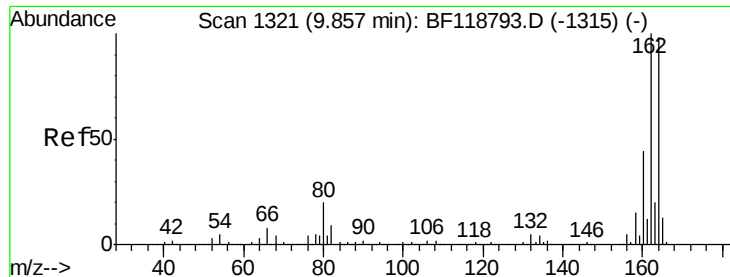
mohammad
2/10/2020 8:10:44 AM



#23
Nitrobenzene-d5
Concen: 63.150 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	871502		
128	47.1		38.5	57.7
54	45.4		36.7	55.1





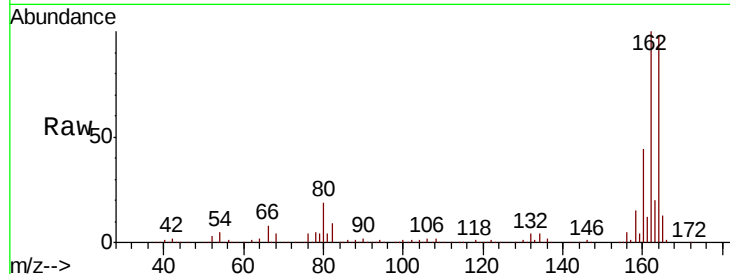
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-01-A

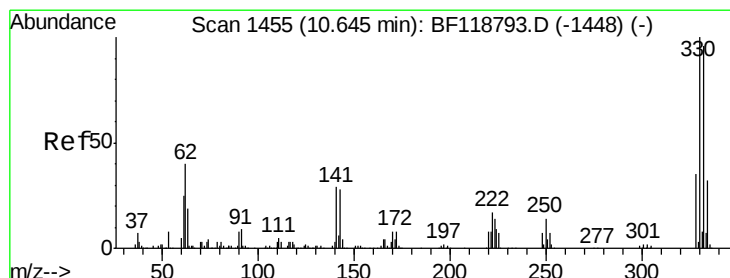
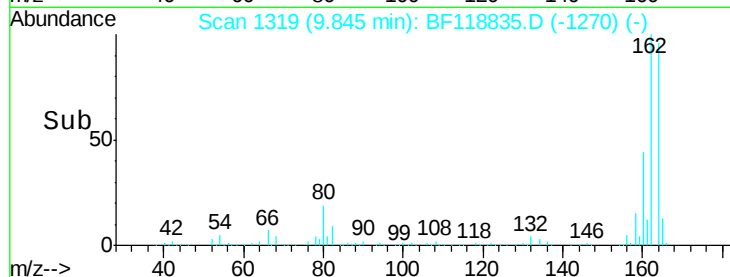
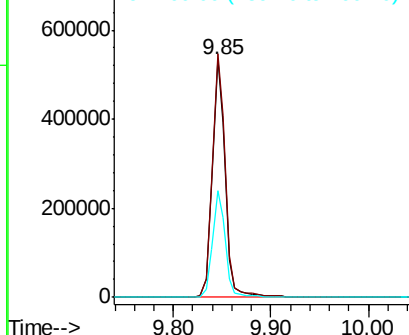
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.3	81.4	122.2	
160	45.1	35.6	53.4	

Manual Integrations
APPROVED

mohammad
2/10/2020 8:10:44 AM

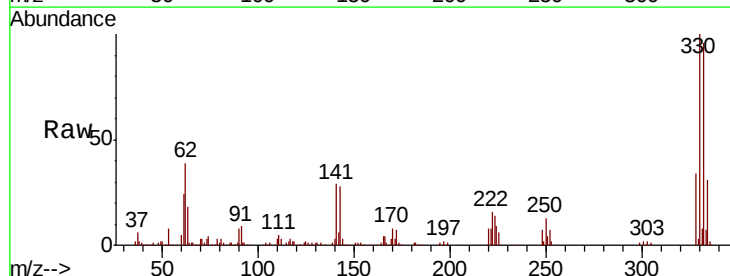


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

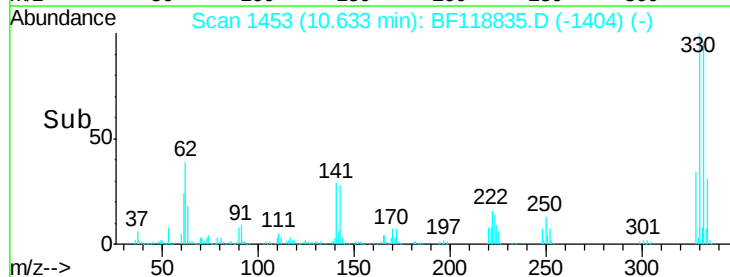
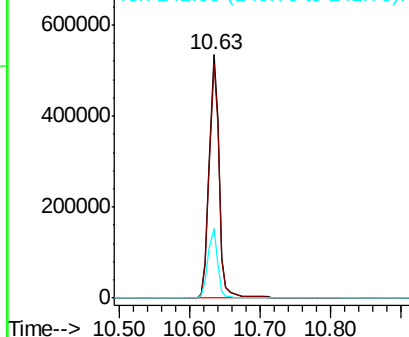


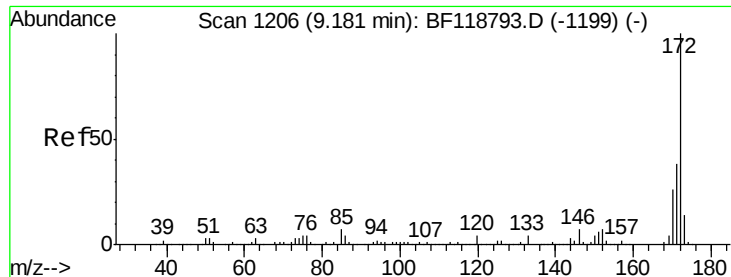
#42
2,4,6-Tribromophenol
Concen: 89.889 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	77.3	115.9	
141	27.4	22.4	33.6	



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





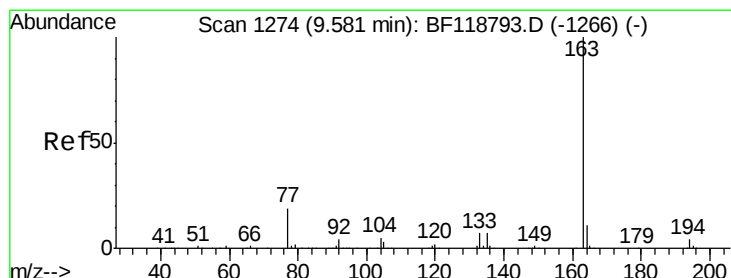
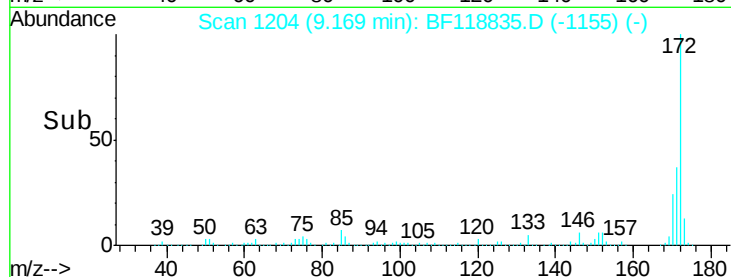
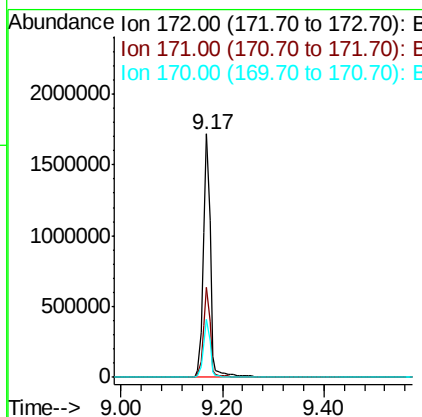
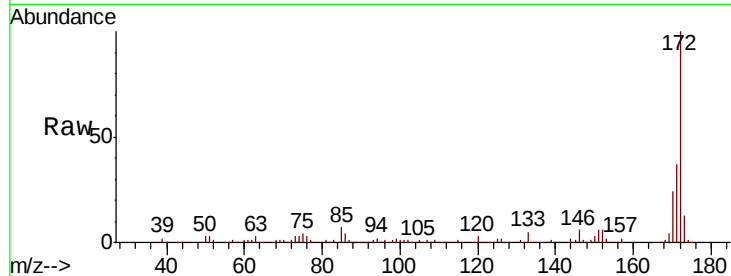
#45
2-Fluorobiphenyl
Concen: 61.259 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-01-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.8	46.2
170	23.9	20.5	30.7

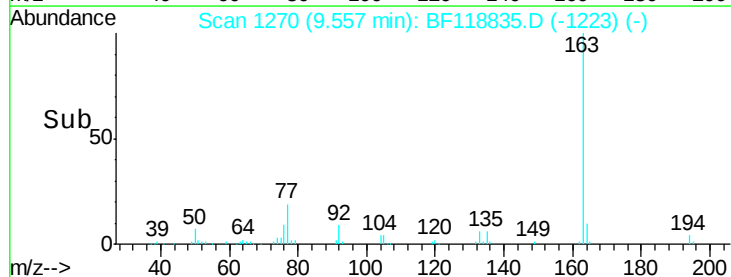
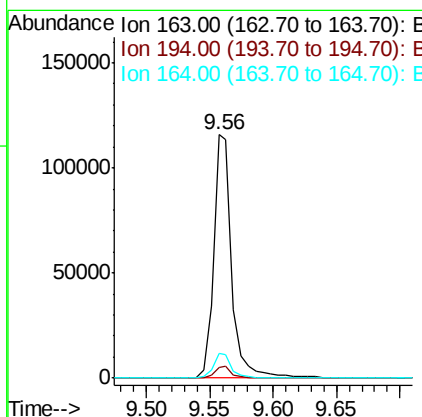
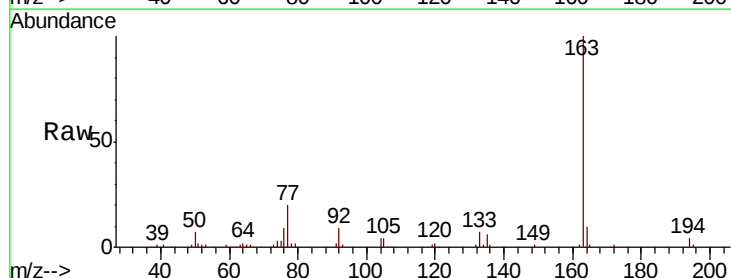
Manual Integrations
APPROVED

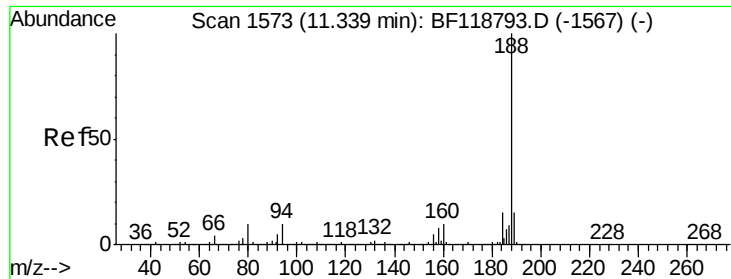
mohammad
2/10/2020 8:10:44 AM



#50
Dimethylphthalate
Concen: 3.493 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.6	5.4
164	10.0	8.7	13.1





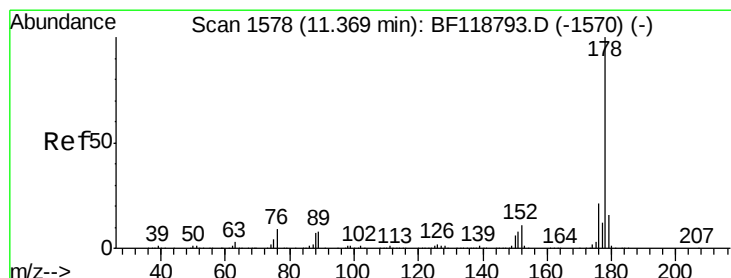
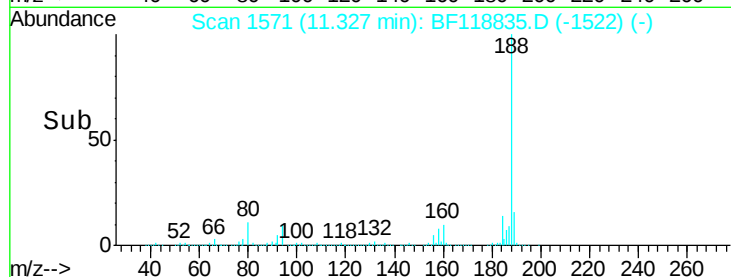
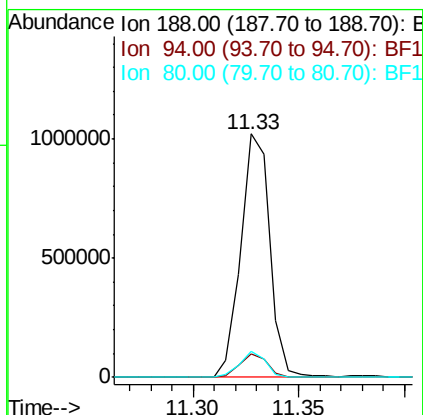
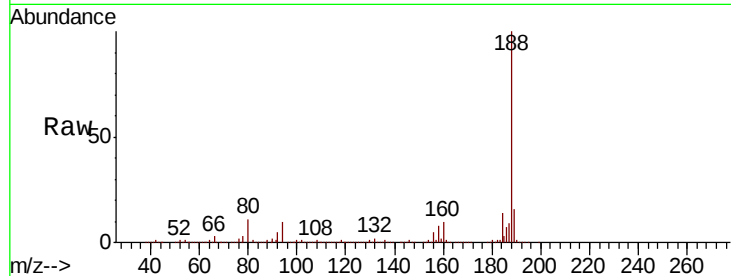
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-01-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	974117		
94	9.6		7.9	11.9
80	10.6		8.4	12.6

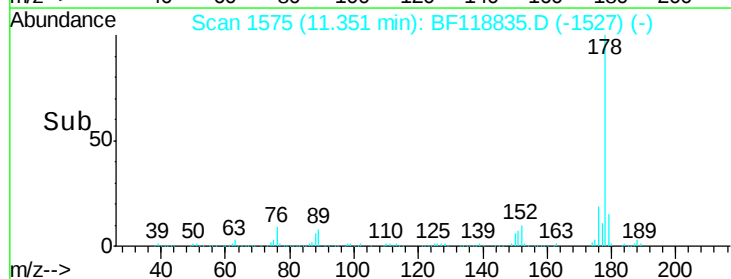
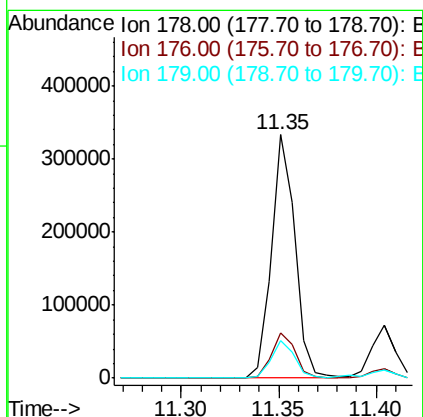
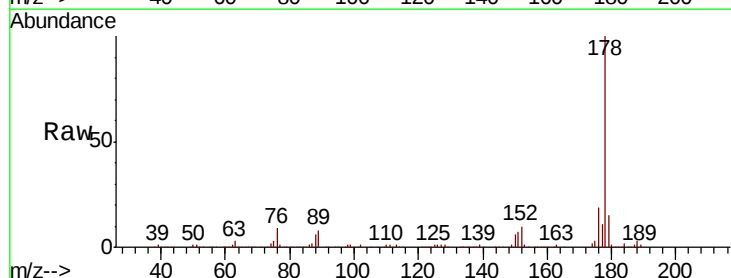
Manual Integrations
APPROVED

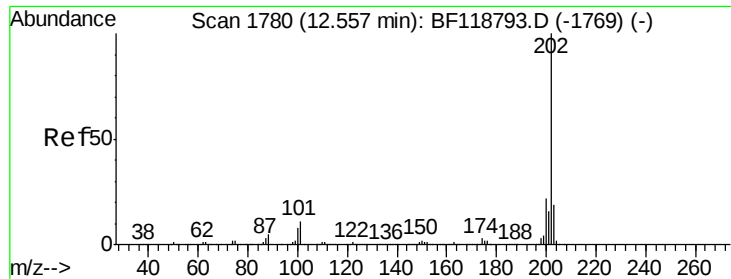
mohammad
2/10/2020 8:10:44 AM



#71
Phenanthrene
Concen: 5.800 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	277996		
176	18.8		16.6	24.8
179	15.3		13.2	19.8





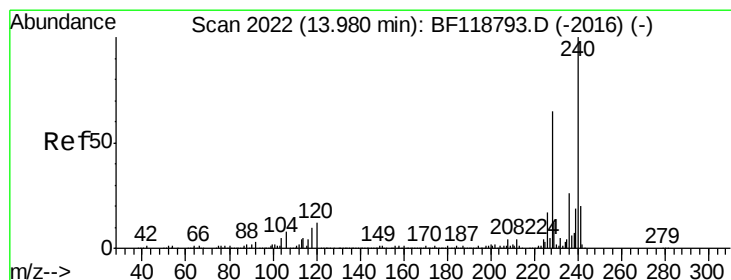
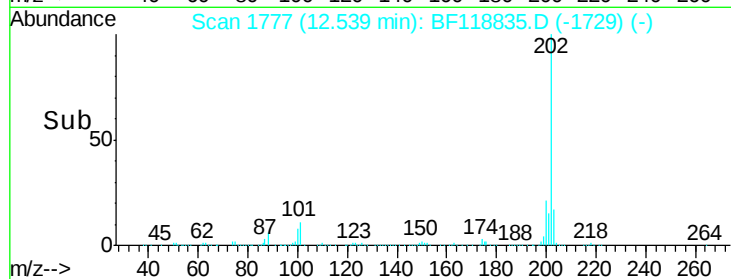
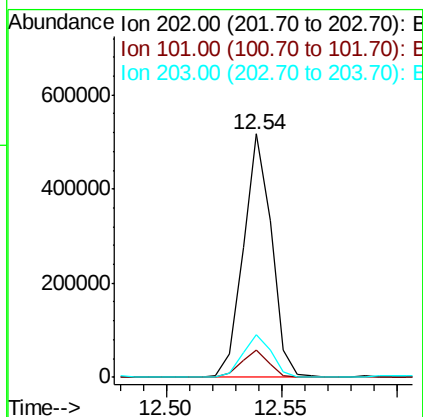
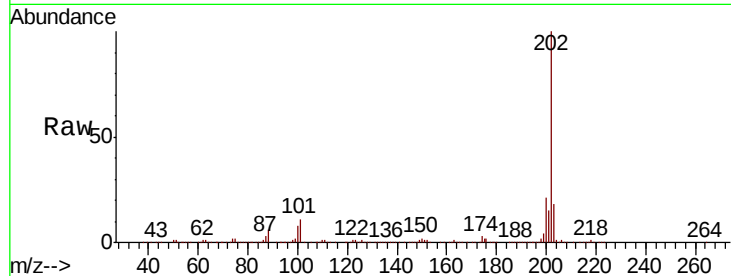
#75
Fluoranthene
Concen: 8.365 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.02 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-01-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.2	0.0	31.0		
203	17.5	0.0	38.7		

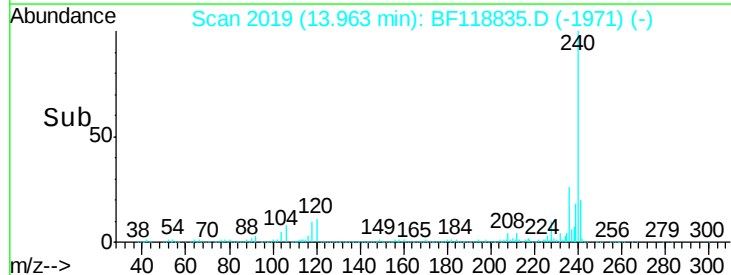
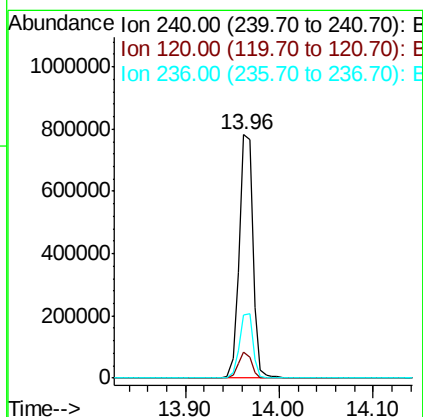
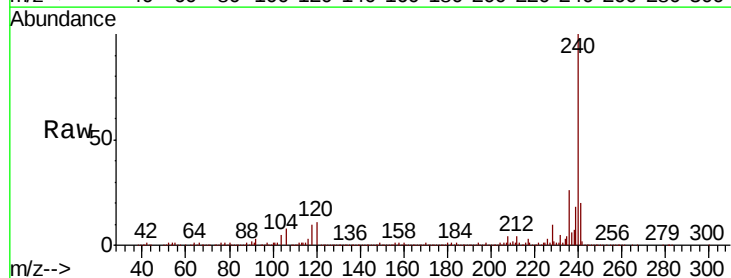
Manual Integrations
APPROVED

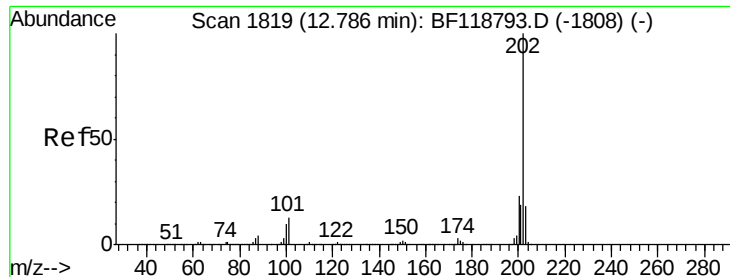
mohammad
2/10/2020 8:10:44 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.9	9.4	14.0		
236	25.7	21.0	31.6		





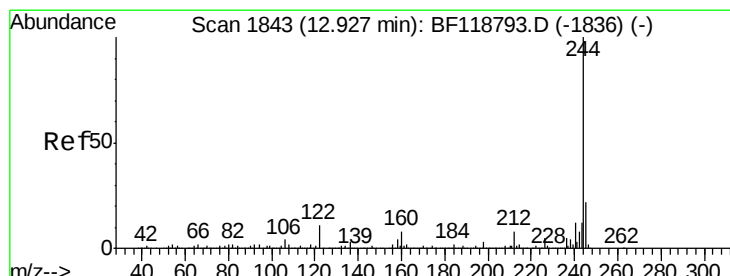
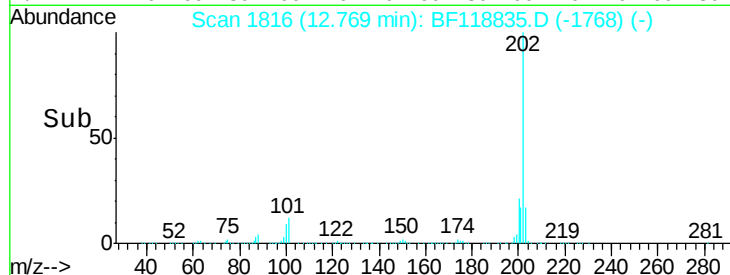
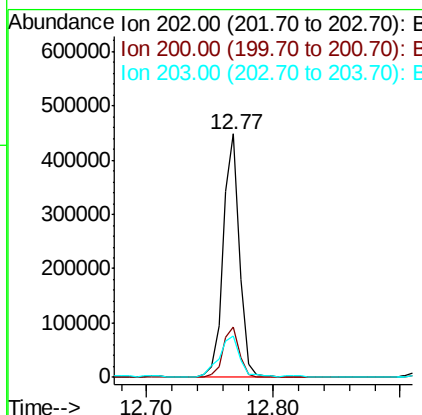
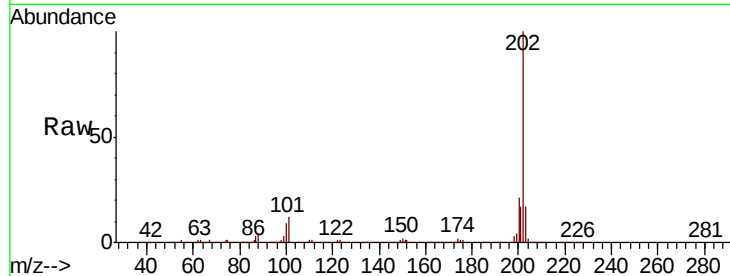
#78
Pvrene
Concen: 7.306 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-01-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	18.2	27.2
203	17.1	14.8	22.2

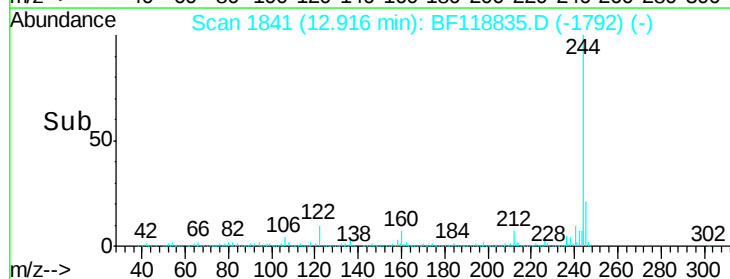
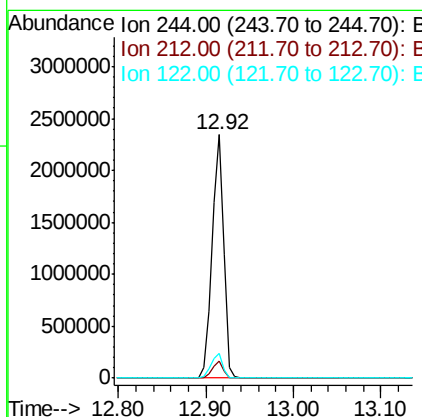
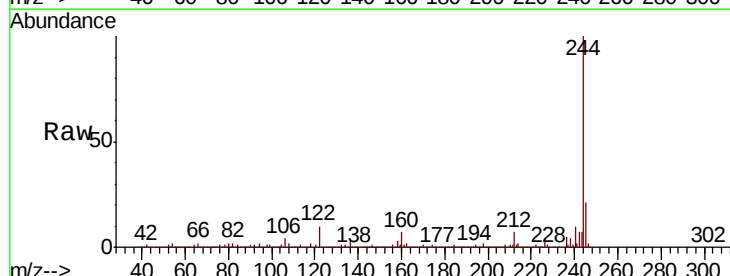
Manual Integrations
APPROVED

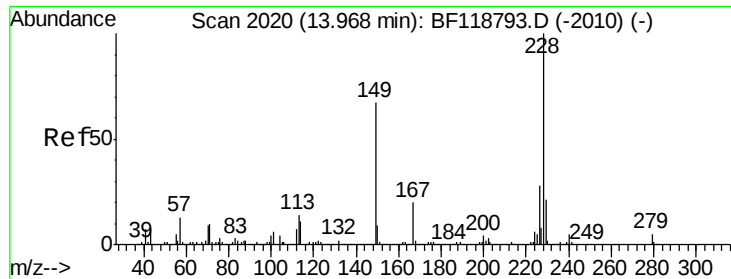
mohammad
2/10/2020 8:10:44 AM



#79
Terphenyl-d14
Concen: 56.287 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.5	9.7
122	10.2	8.9	13.3





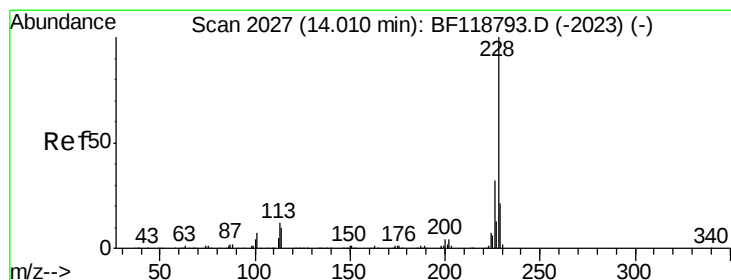
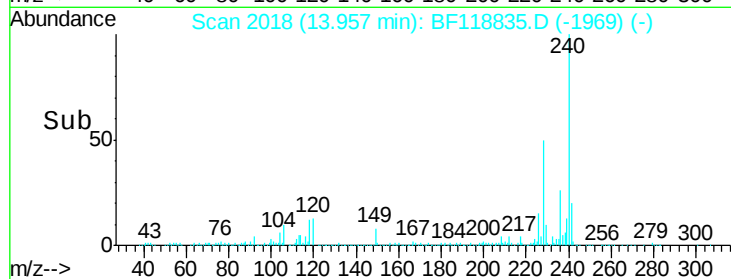
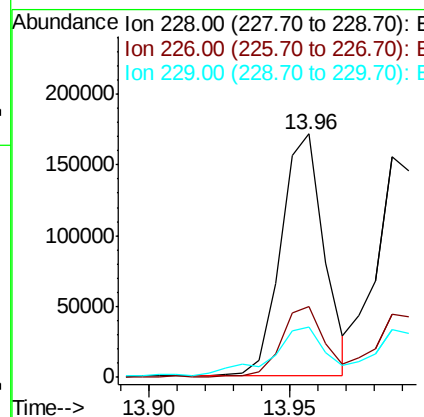
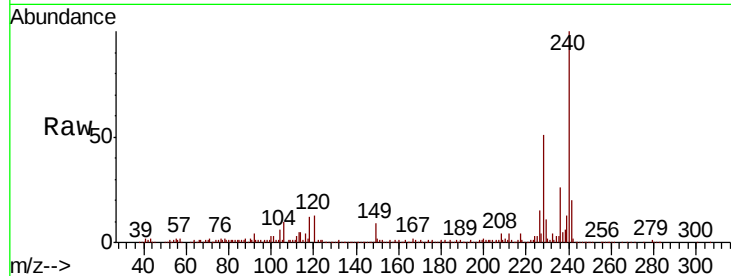
#81
Benzo(a)anthracene
Concen: 3.823 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-01-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.7	34.1
229	20.9	16.6	25.0

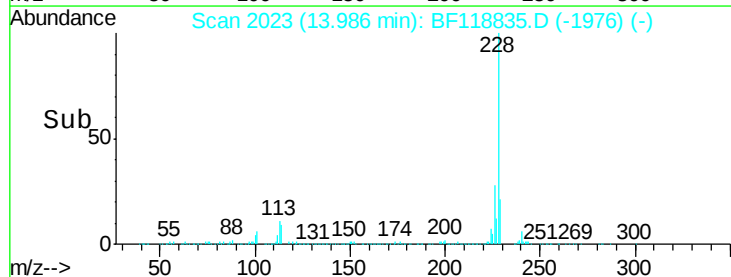
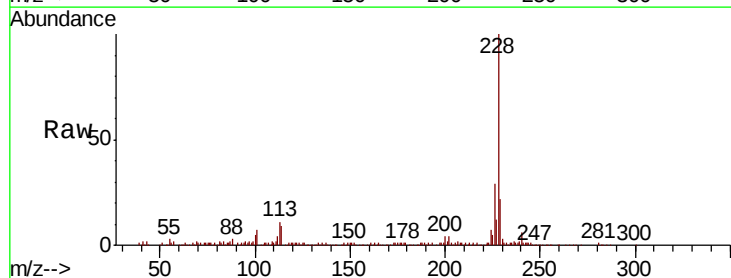
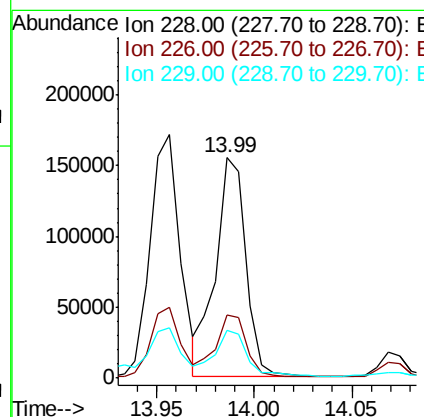
Manual Integrations
APPROVED

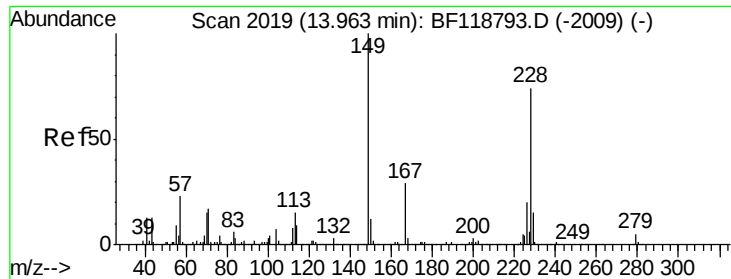
mohammad
2/10/2020 8:10:44 AM



#83
Chrysene
Concen: 3.537 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	25.4	38.0
229	21.5	16.9	25.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.002 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF118835.D

Acq: 6 Feb 2020 14:23

Instrument :

BNA_F

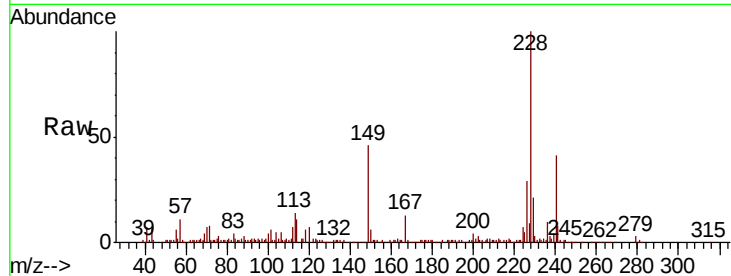
ClientSampleId :

SHORE-RD-PATH-BH-01-A

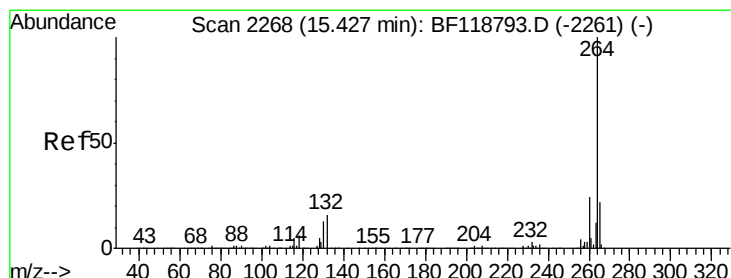
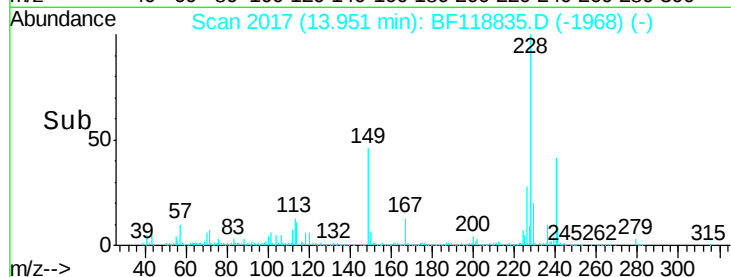
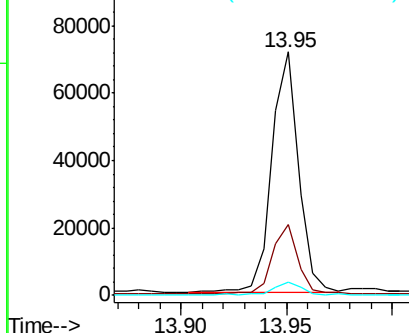
Tot Ion:	149	Resp:	63142
Ion Ratio	Lower	Upper	
149	100		
167	29.1	23.0	34.6
279	5.6	4.4	6.6

Manual Integrations
APPROVED

mohammad
2/10/2020 8:10:44 AM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

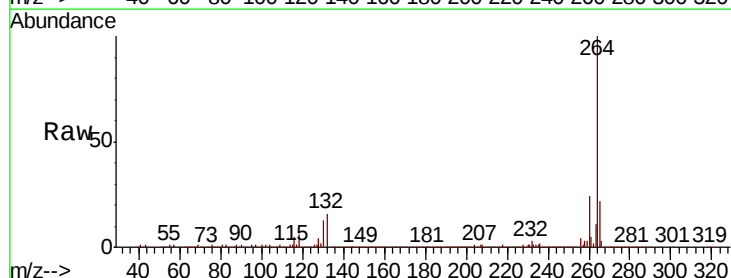
RT: 15.41 min Scan# 2265

Delta R.T. -0.02 min

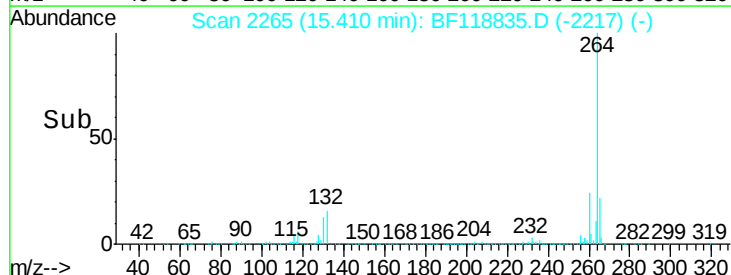
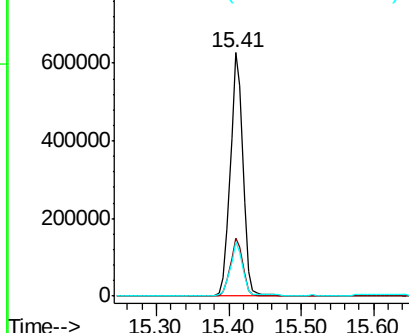
Lab File: BF118835.D

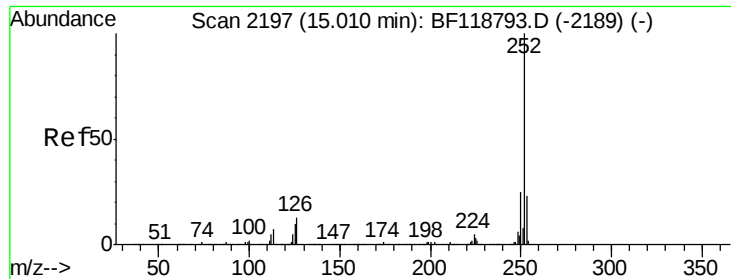
Acq: 6 Feb 2020 14:23

Tgt Ion:	264	Resp:	762924
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.1	28.7
265	22.1	17.2	25.8



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





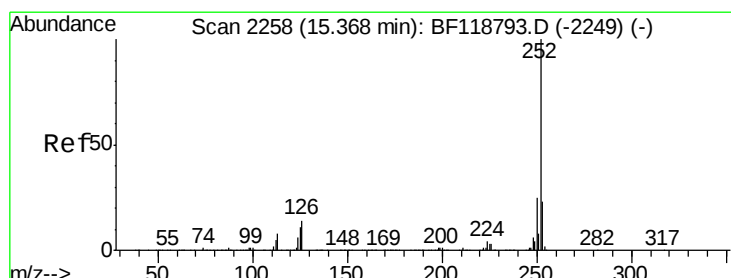
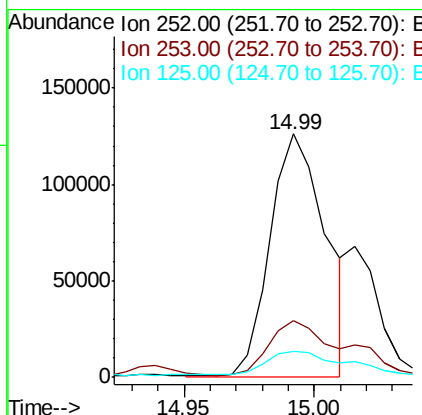
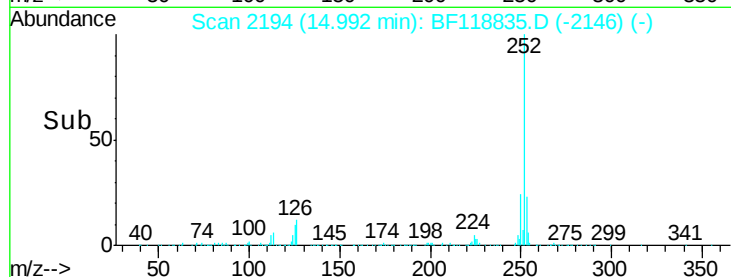
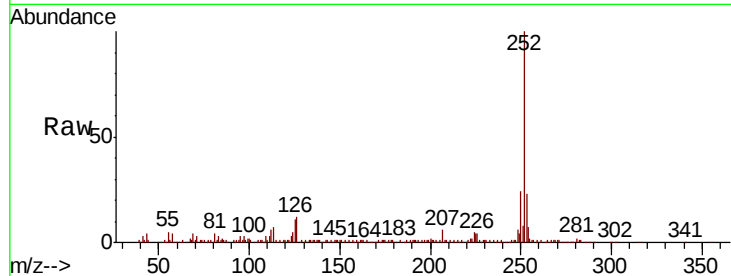
#88
Benzo(b)fluoranthene
Concen: 3.976 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-01-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	10.7	8.1	12.1

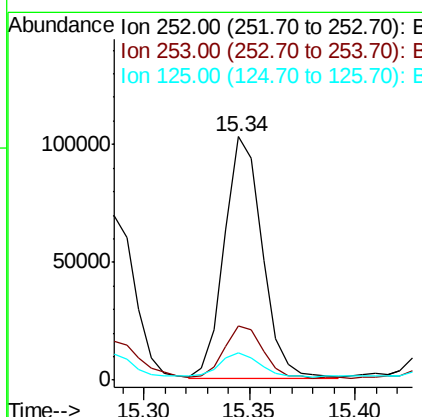
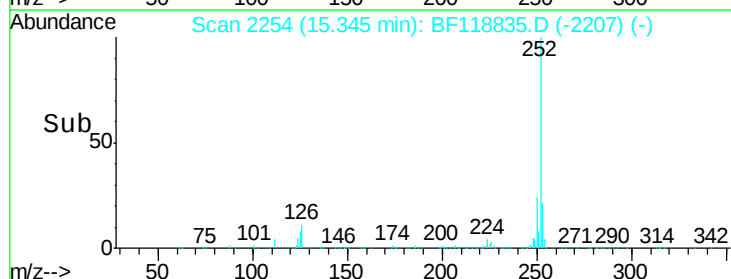
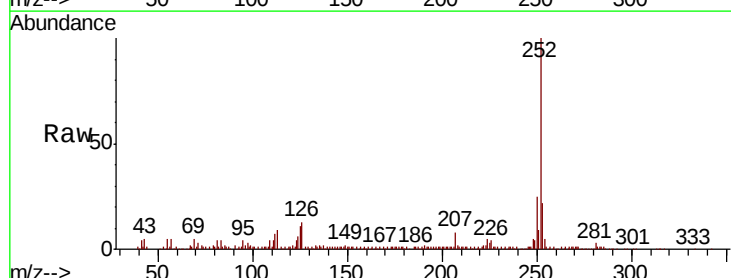
Manual Integrations
APPROVED

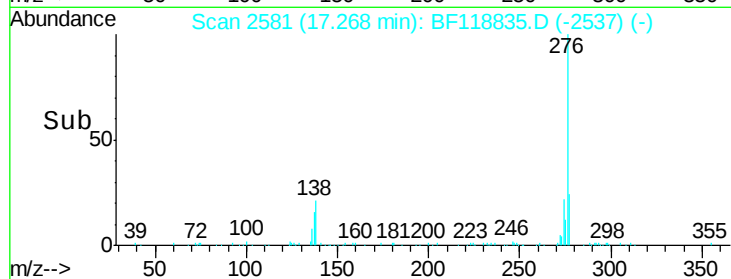
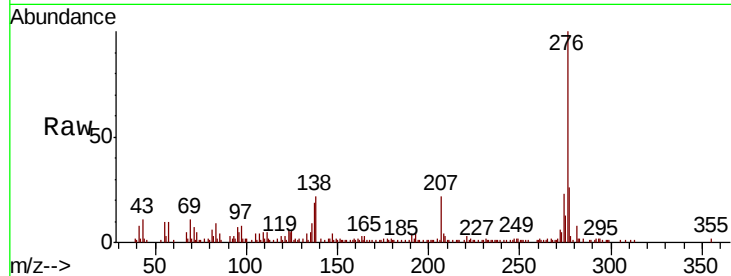
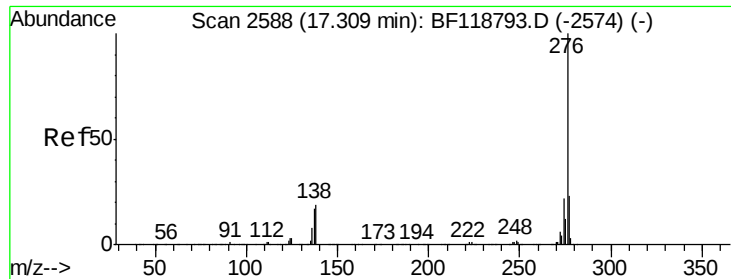
mohammad
2/10/2020 8:10:44 AM



#90
Benzo(a)pyrene
Concen: 3.141 ng
RT: 15.34 min Scan# 2254
Delta R.T. -0.02 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	11.3	8.7	13.1





#92
 Benzo(a,h,i)perylene
 Concen: 2.236 ng
 RT: 17.27 min Scan# 2581
 Delta R.T. -0.04 min
 Lab File: BF118835.D
 Acq: 6 Feb 2020 14:23

Instrument :
 BNA_F
 ClientSampleId :
 SHORE-RD-PATH-BH-01-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.7	28.1
138	22.1	15.4	23.2

Manual Integrations
 APPROVED

mohammad
 2/10/2020 8:10:44 AM

