

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
 Data File : BF112329.D
 Acq On : 30 Jan 2019 18:43
 Operator : JU/SJ
 Sample : K1282-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

mohammad
 2/1/2019 12:06:39 AM

Quant Time: Jan 31 00:39:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	138295	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	524410	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	231505	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	399918	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	381881	20.00	ng	0.00
87) Perylene-d12	15.47	264	398004	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	412186	63.31	ng	-0.01
7) Phenol-d6	6.48	99	497175	54.95	ng	-0.01
23) Nitrobenzene-d5	7.40	82	300122	32.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	131904	48.95	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	524137	32.02	ng	-0.01
79) Terphenyl-d14	12.94	244	473078	23.33	ng	-0.01
Target Compounds						
52) Acenaphthene	9.90	154	32815	2.388	ng	98
58) Fluorene	10.42	166	40024	2.547	ng	97
71) Phenanthrene	11.39	178	585363	28.154	ng	97
72) Anthracene	11.43	178	127560	6.159	ng	97
75) Fluoranthene	12.57	202	857747	38.464	ng	99
78) Pyrene	12.80	202	841537	31.829	ng	98
81) Benzo(a)anthracene	13.99	228	490484	21.849	ng	99
83) Chrysene	14.03	228	425453	19.854	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	190815	11.238	ng	# 92
88) Benzo(b)fluoranthene	15.04	252	527389m	22.157	ng	
89) Benzo(k)fluoranthene	15.07	252	141227m	6.194	ng	
90) Benzo(a)pyrene	15.41	252	359945	16.806	ng	99
91) Dibenzo(a,h)anthracene	16.94	278	53133m	3.078	ng	
92) Benzo(a,h,i)perylene	17.39	276	173931	10.680	ng	99

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

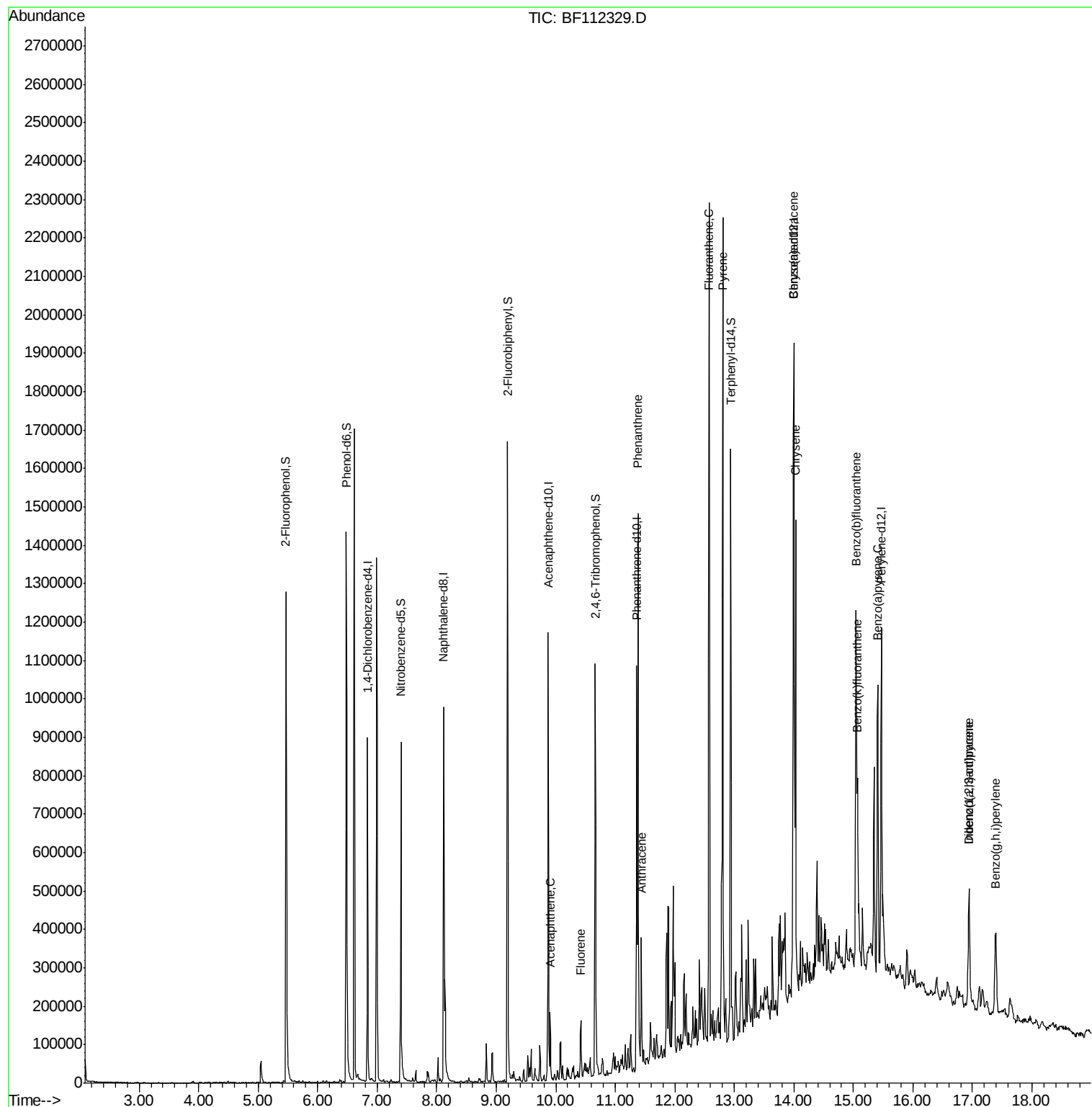
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112329.D
Acq On : 30 Jan 2019 18:43
Operator : JU/SJ
Sample : K1282-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

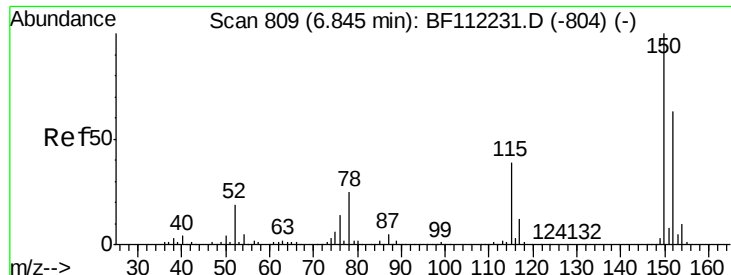
Instrument :
BNA_F
ClientSampleId :
TP-2

Manual Integrations
APPROVED

mohammad
2/1/2019 12:06:39 AM

Quant Time: Jan 31 00:39:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration





#1

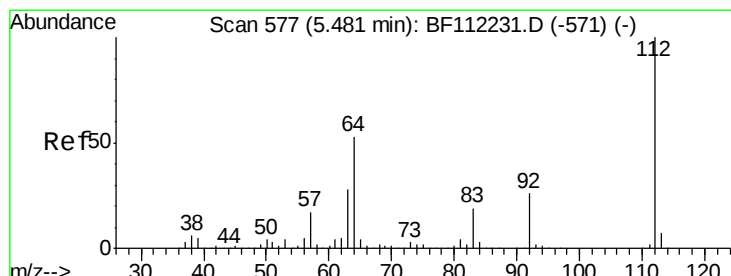
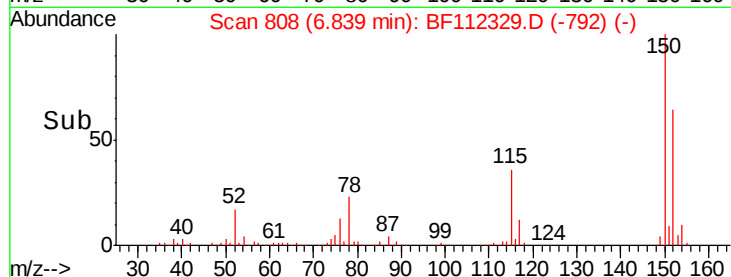
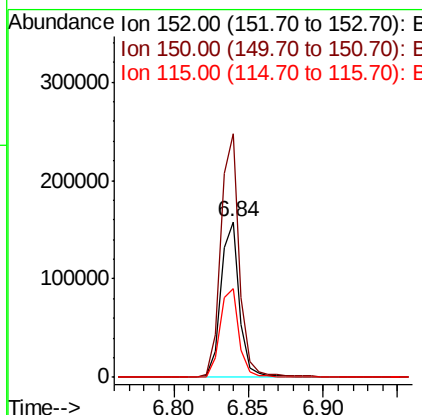
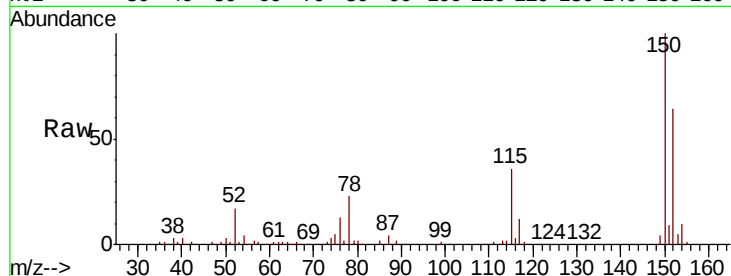
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112329.D
Acq: 30 Jan 2019 18:43

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	127.4	191.0
115	56.6	45.5	68.3

Manual Integrations
APPROVED

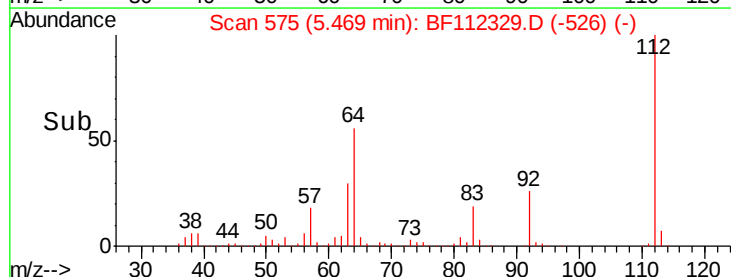
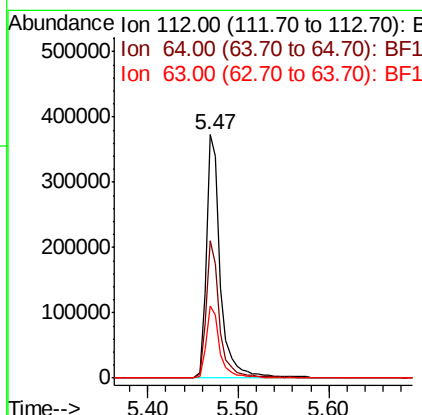
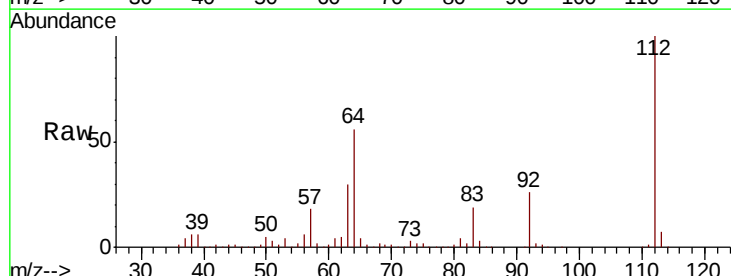
mohammad
2/1/2019 12:06:39 AM



#5

2-Fluorophenol
Concen: 63.307 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112329.D
Acq: 30 Jan 2019 18:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	45.7	68.5
63	29.6	23.6	35.4





#7

Phenol-d6

Concen: 54.954 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112329.D

Acq: 30 Jan 2019 18:43

Instrument :

BNA_F

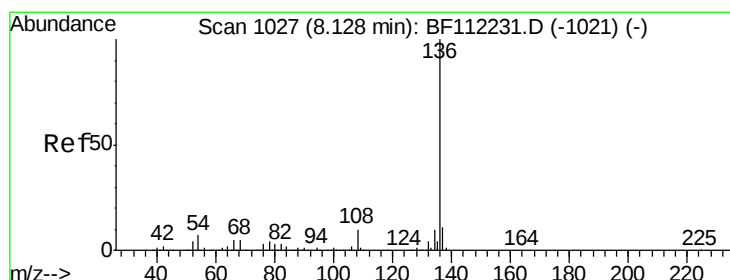
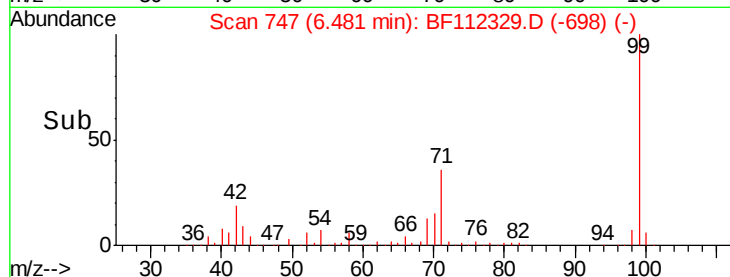
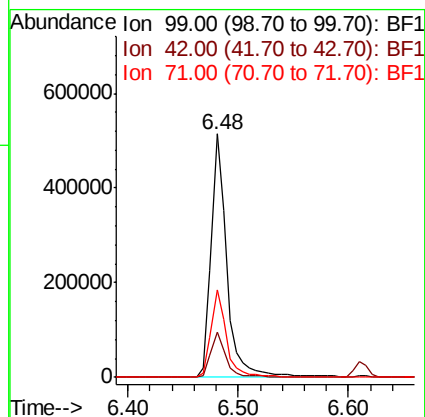
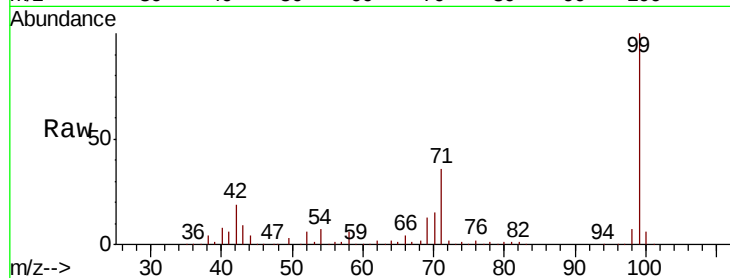
ClientSampleId :

TP-2

Tot Ion:	99	Resp:	497175
Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.1	22.7
71	35.7	26.9	40.3

Manual Integrations
APPROVED

mohammad
2/1/2019 12:06:39 AM



#21

Naphthalene-d8

Concen: 20.000 ng

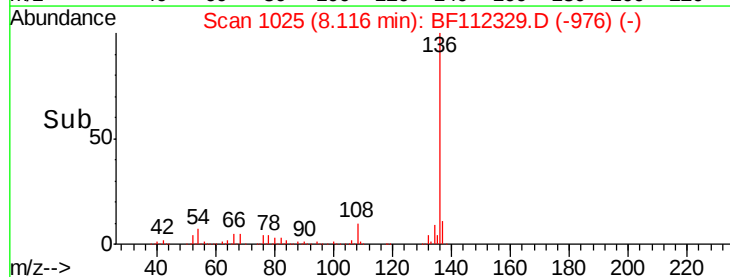
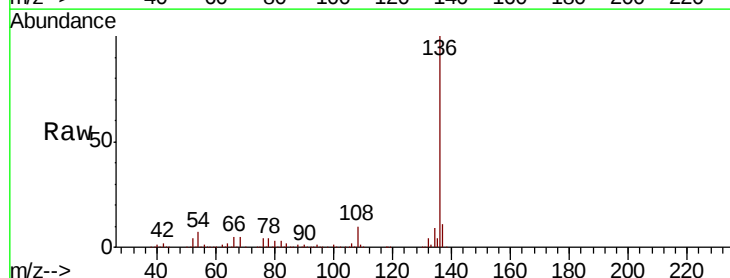
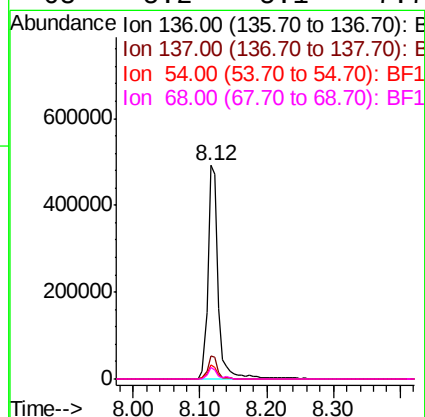
RT: 8.12 min Scan# 1025

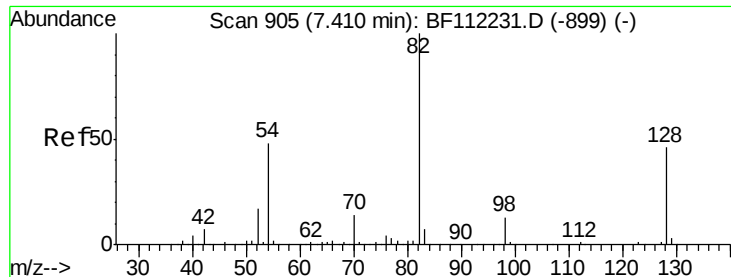
Delta R.T. -0.01 min

Lab File: BF112329.D

Acq: 30 Jan 2019 18:43

Tgt Ion:	136	Resp:	524410
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.7	5.9	8.9
68	5.2	5.1	7.7





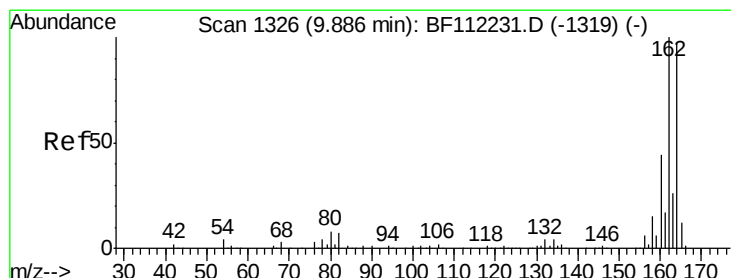
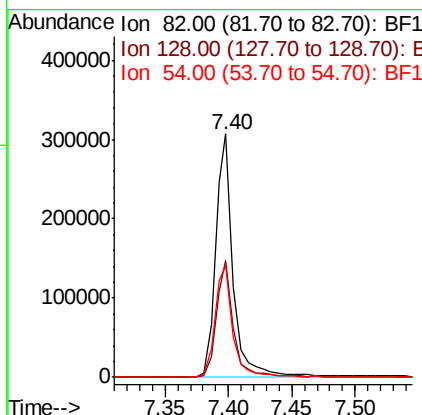
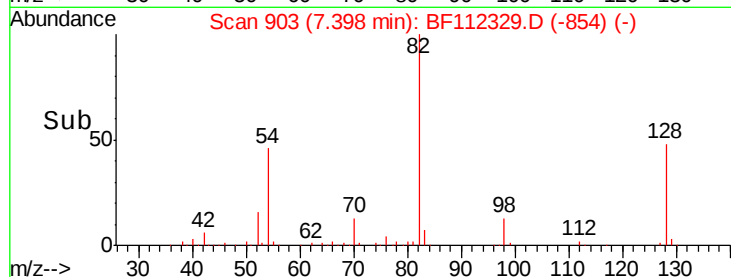
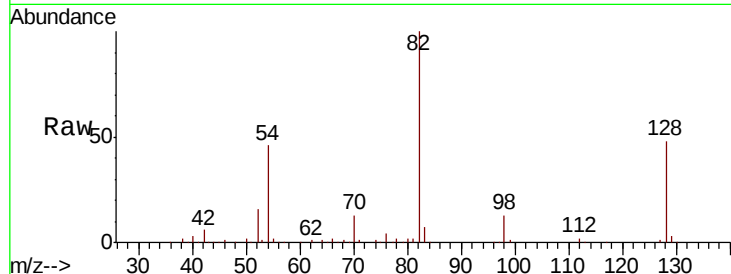
#23
 Nitrobenzene-d5
 Concen: 32.976 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112329.D
 Acq: 30 Jan 2019 18:43

Instrument :
 BNA_F
 ClientSampled :
 TP-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.8	56.8
54	45.7	39.7	59.5

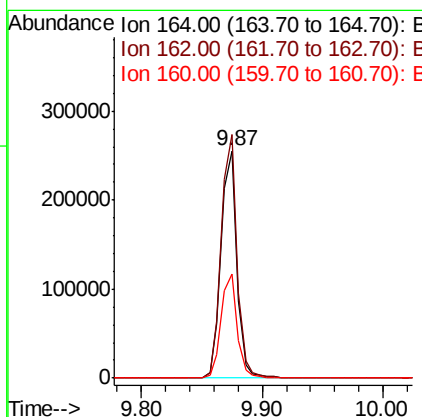
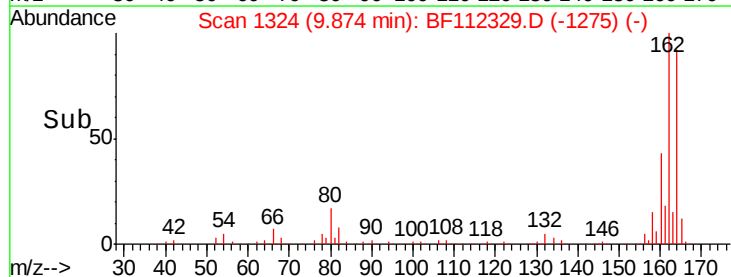
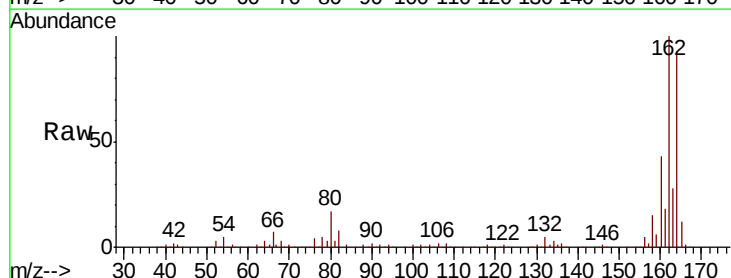
Manual Integrations
 APPROVED

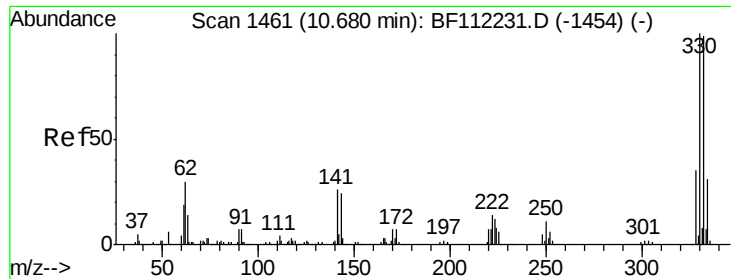
mohammad
 2/1/2019 12:06:39 AM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF112329.D
 Acq: 30 Jan 2019 18:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.0	82.2	123.4
160	45.5	36.2	54.4





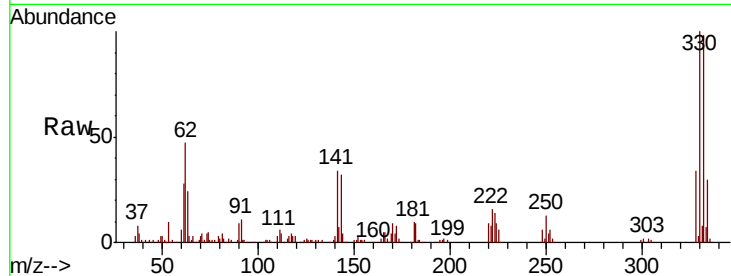
#42
 2,4,6-Tribromophenol
 Concen: 48.950 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112329.D
 Acq: 30 Jan 2019 18:43

Instrument :
 BNA_F
 ClientSampled :
 TP-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	131904		
332	95.8	76.6	114.8	
141	33.4	24.3	36.5	

Manual Integrations
 APPROVED

mohammad
 2/1/2019 12:06:39 AM

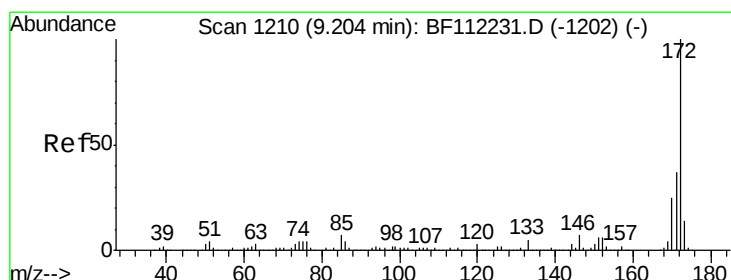
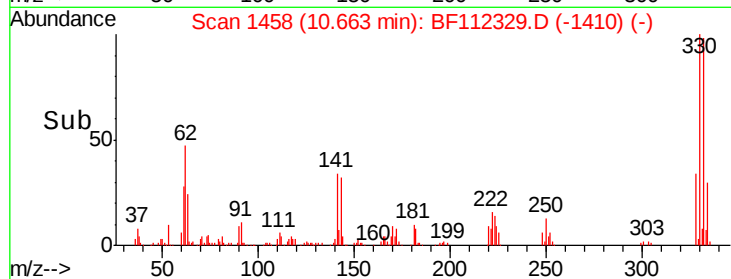
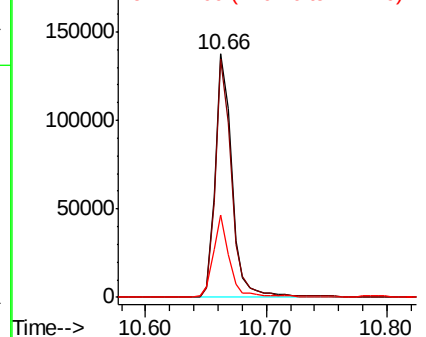


Abundance

Ion 329.80 (329.50 to 330.50): E

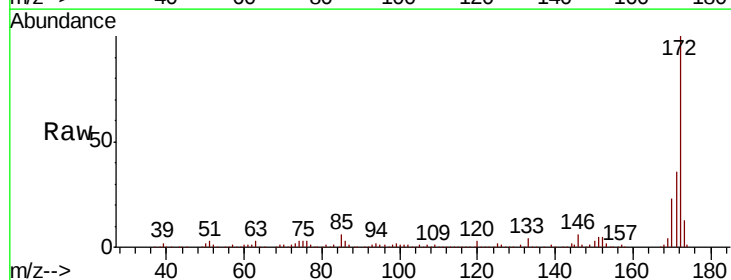
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 32.021 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112329.D
 Acq: 30 Jan 2019 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	524137		
171	35.7	30.5	45.7	
170	23.5	20.2	30.4	

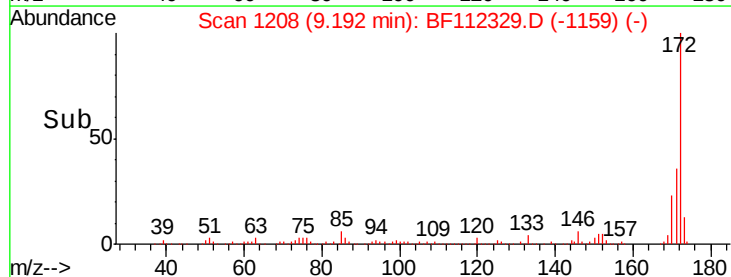
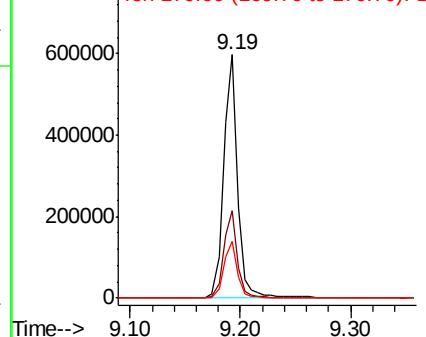


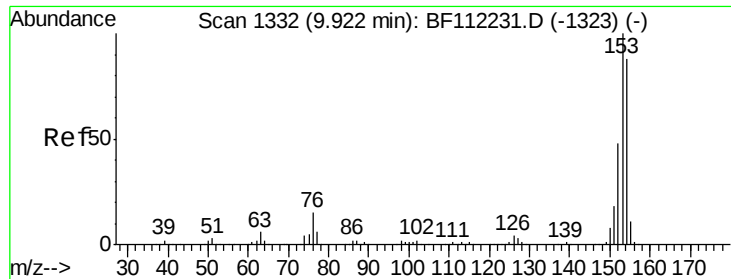
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#52

Acenaphthene

Concen: 2.388 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF112329.D

Acq: 30 Jan 2019 18:43

Instrument :

BNA_F

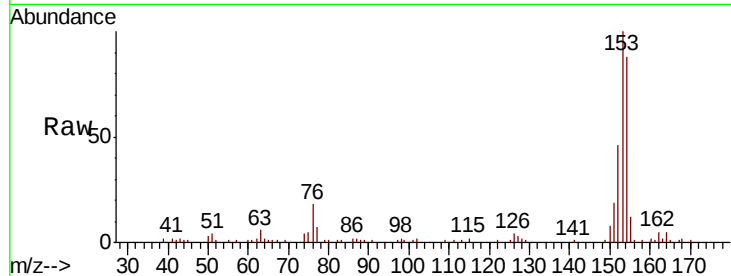
ClientSampleId :

TP-2

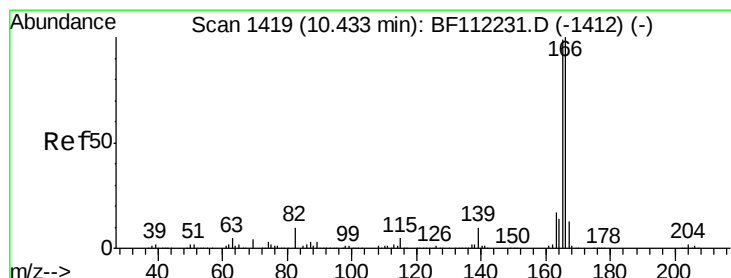
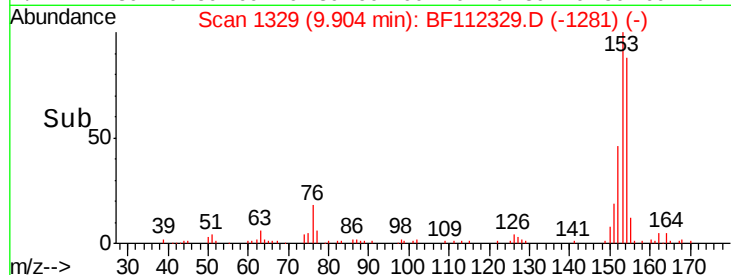
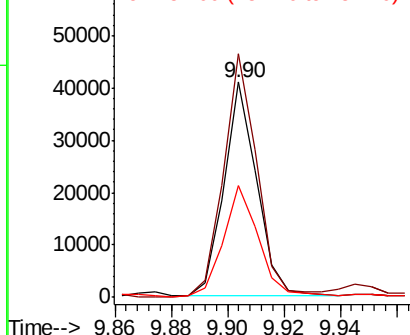
Tot Ion:	154	Resp:	32815
Ion Ratio	Lower	Upper	
154	100		
153	113.2	89.8	134.6
152	51.9	43.5	65.3

Manual Integrations
APPROVED

mohammad
2/1/2019 12:06:39 AM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.547 ng

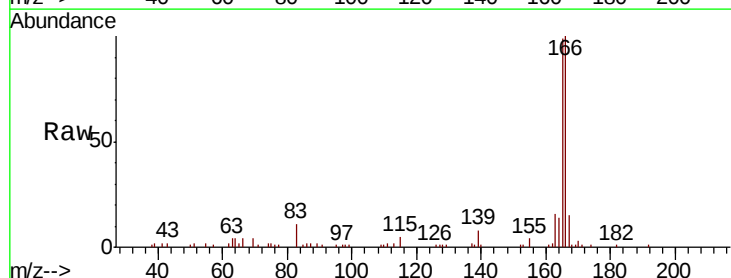
RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

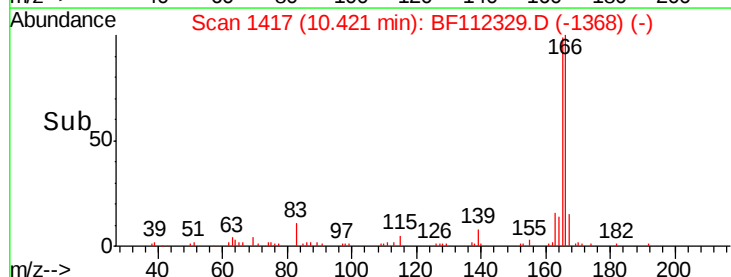
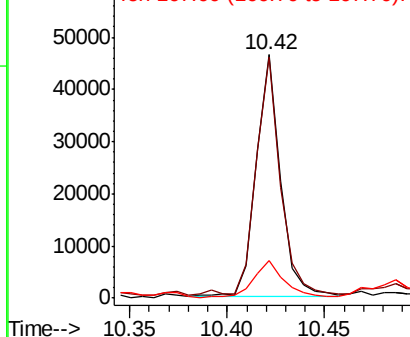
Lab File: BF112329.D

Acq: 30 Jan 2019 18:43

Tgt Ion:	166	Resp:	40024
Ion Ratio	Lower	Upper	
166	100		
165	99.2	77.1	115.7
167	15.2	11.3	16.9



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





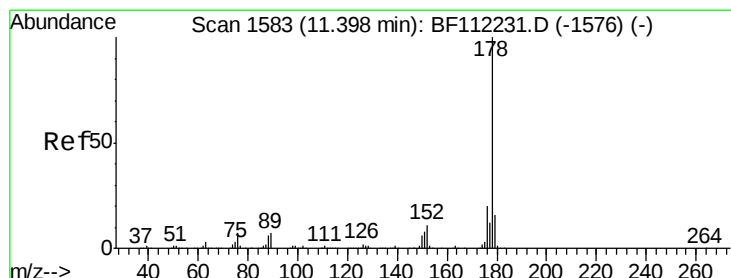
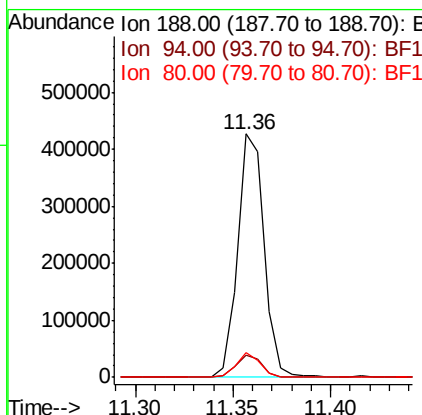
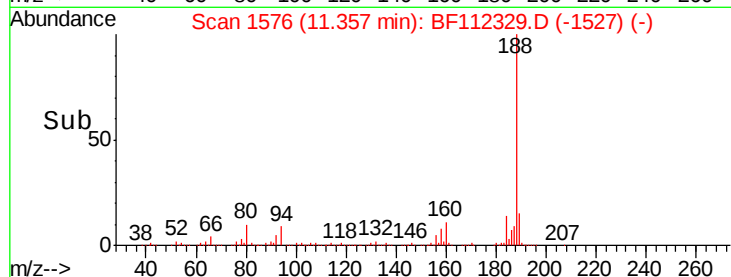
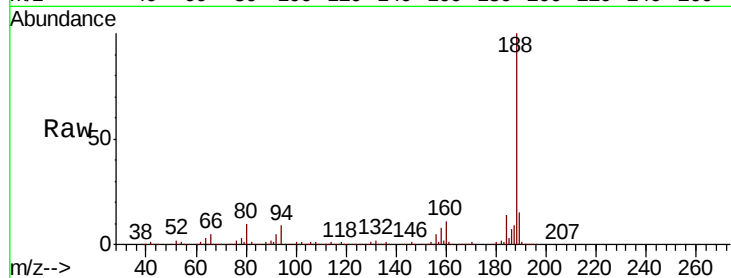
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112329.D
Acq: 30 Jan 2019 18:43

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	8.2	12.2
80	10.2	8.9	13.3

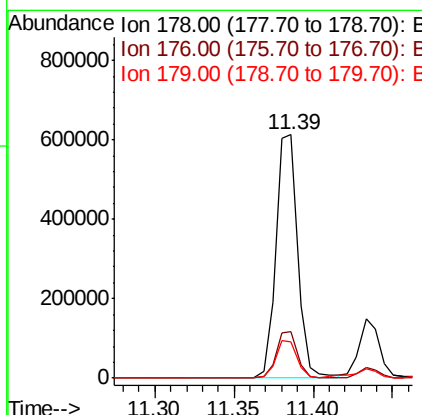
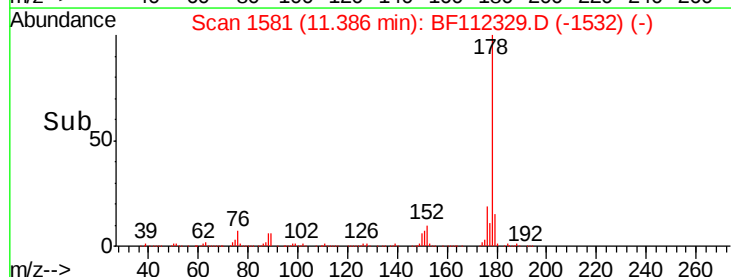
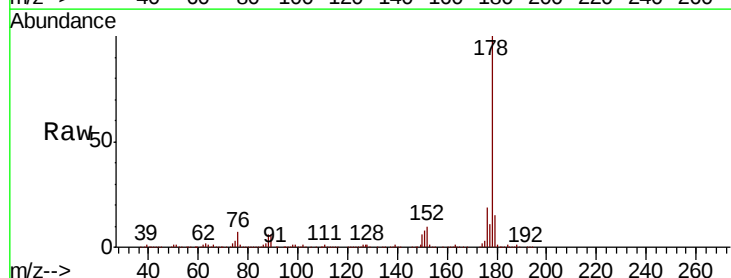
Manual Integrations
APPROVED

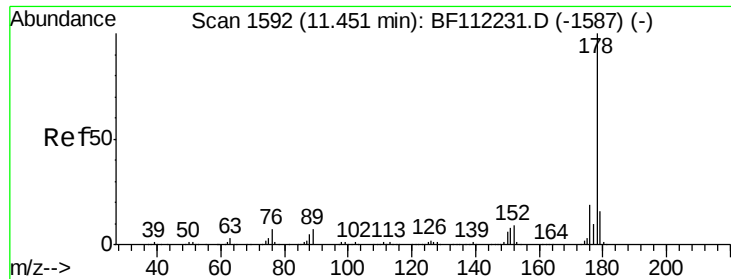
mohammad
2/1/2019 12:06:39 AM



#71
Phenanthrene
Concen: 28.154 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112329.D
Acq: 30 Jan 2019 18:43

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	16.3	24.5
179	15.0	13.0	19.4





#72

Anthracene

Concen: 6.159 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.02 min

Lab File: BF112329.D

Acq: 30 Jan 2019 18:43

Instrument :

BNA_F

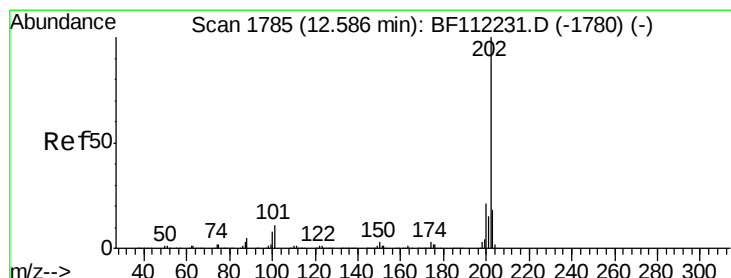
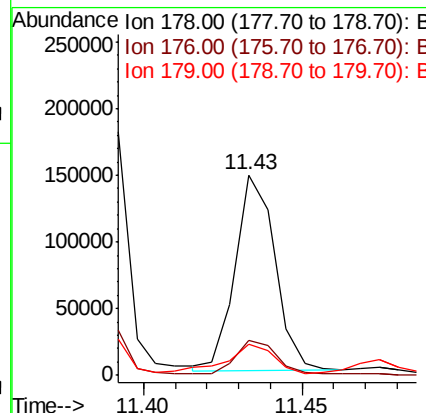
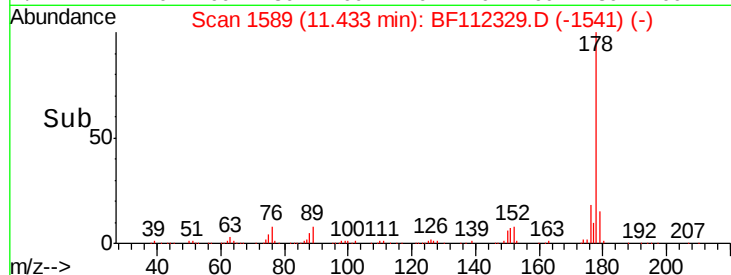
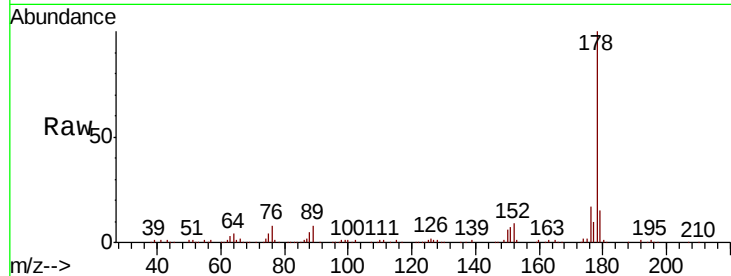
ClientSampled :

TP-2

Tot Ion:	178	Resp:	127560
Ion Ratio	Lower	Upper	
178	100		
176	17.5	15.5	23.3
179	15.3	12.8	19.2

Manual Integrations
APPROVED

mohammad
2/1/2019 12:06:39 AM



#75

Fluoranthene

Concen: 38.464 ng

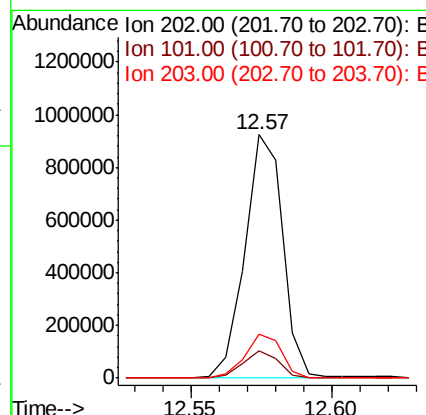
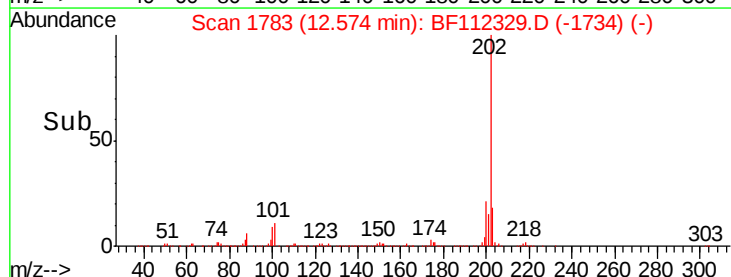
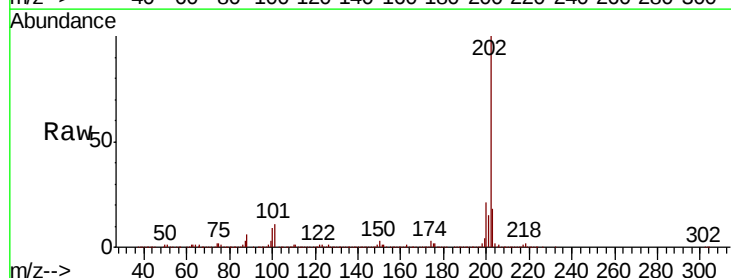
RT: 12.57 min Scan# 1783

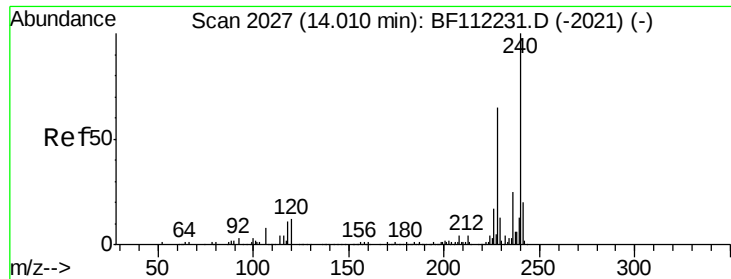
Delta R.T. -0.01 min

Lab File: BF112329.D

Acq: 30 Jan 2019 18:43

Tgt Ion:	202	Resp:	857747
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	31.8
203	17.9	0.0	38.4





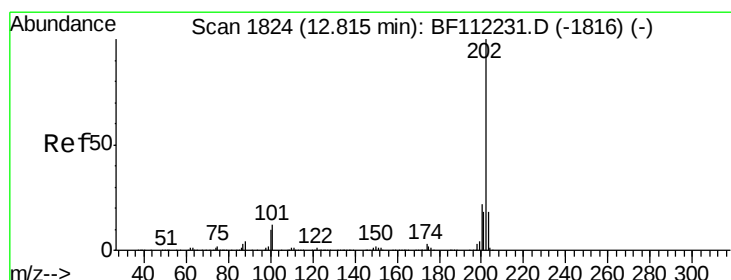
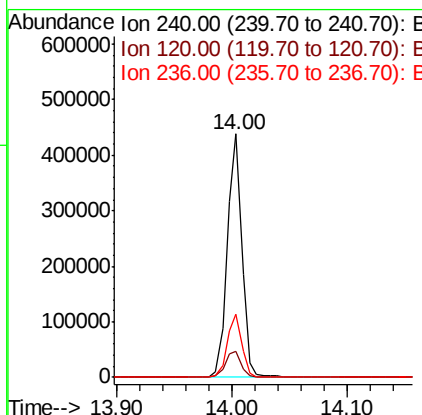
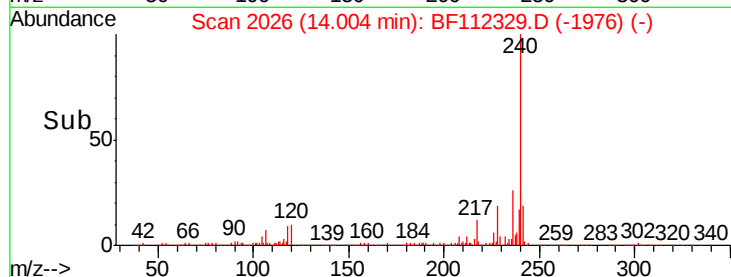
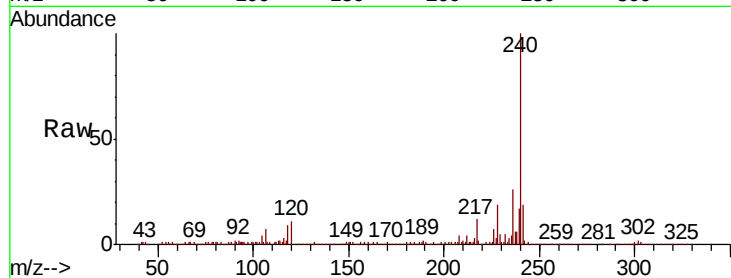
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112329.D
Acq: 30 Jan 2019 18:43

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.0	13.6
236	25.8	20.7	31.1

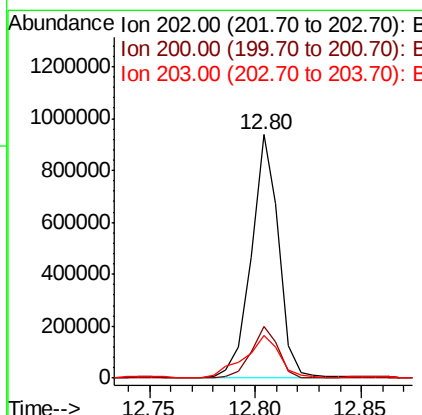
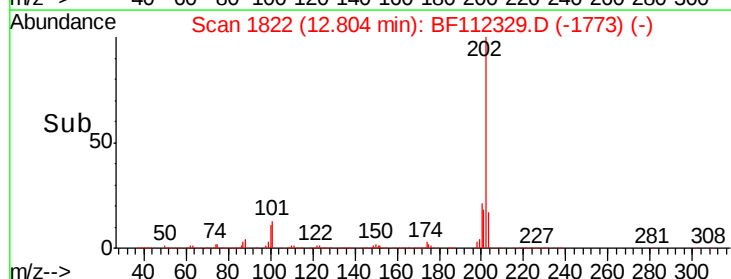
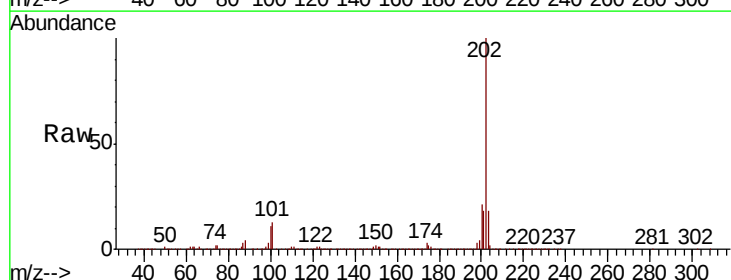
Manual Integrations
APPROVED

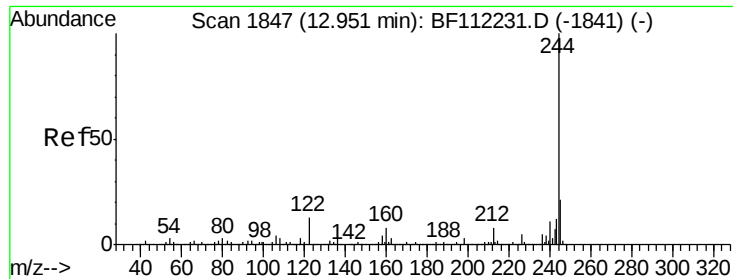
mohammad
2/1/2019 12:06:39 AM



#78
Pyrene
Concen: 31.829 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112329.D
Acq: 30 Jan 2019 18:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	17.6	14.6	22.0





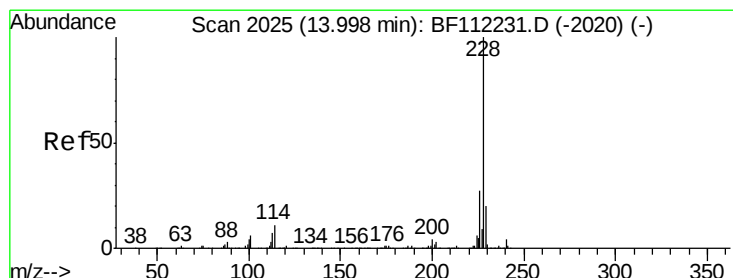
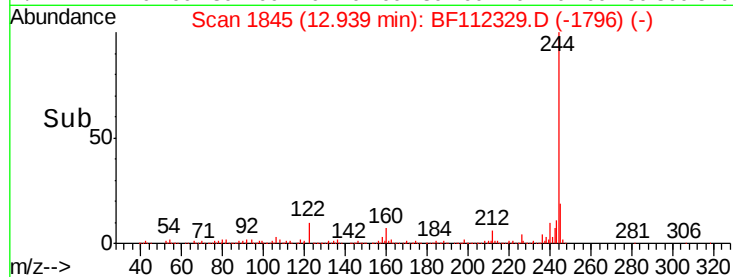
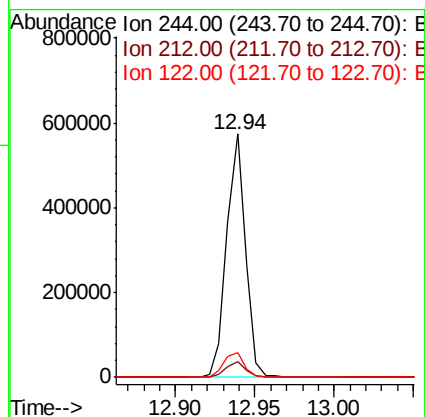
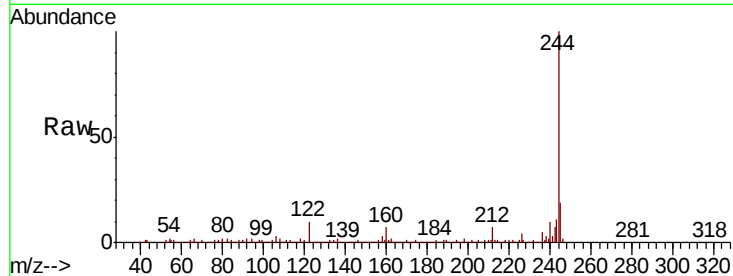
#79
 Terphenyl-d14
 Concen: 23.332 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112329.D
 Acq: 30 Jan 2019 18:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.9	8.9
122	10.3	9.8	14.6

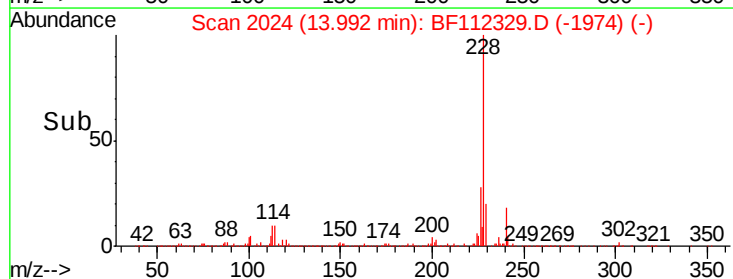
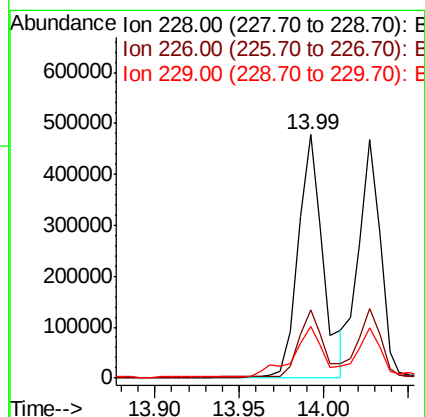
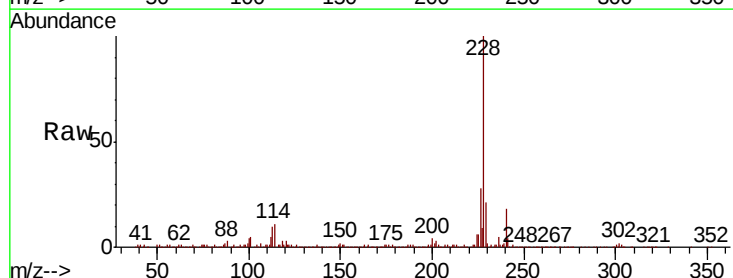
Manual Integrations
 APPROVED

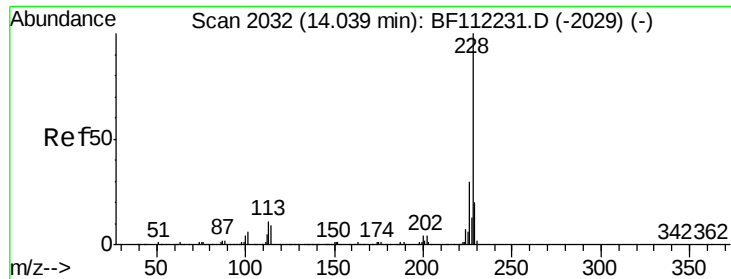
mohammad
 2/1/2019 12:06:39 AM



#81
 Benzo(a)anthracene
 Concen: 21.849 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF112329.D
 Acq: 30 Jan 2019 18:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	34.0
229	21.2	16.5	24.7





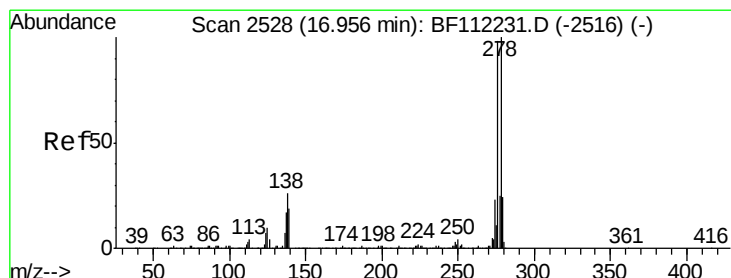
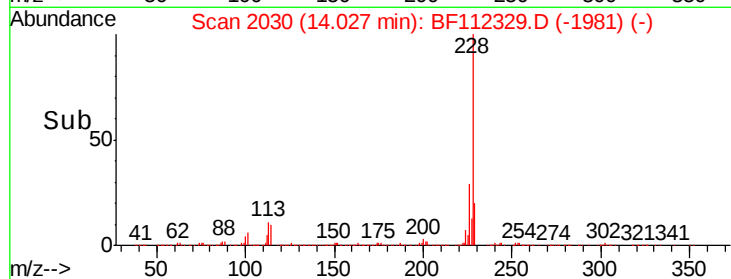
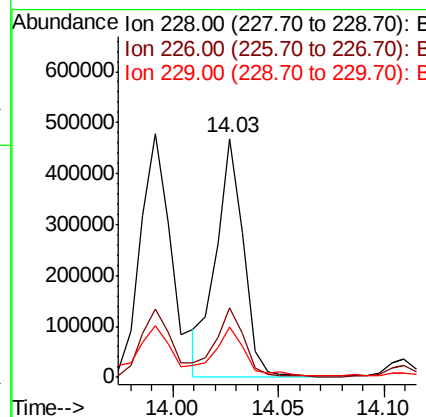
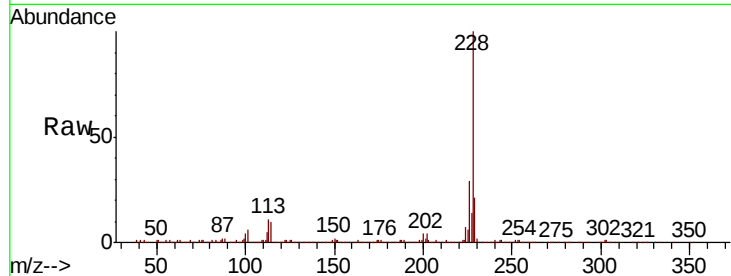
#83
Chrysene
Concen: 19.854 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112329.D
Acq: 30 Jan 2019 18:43

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	21.3	16.6	24.8

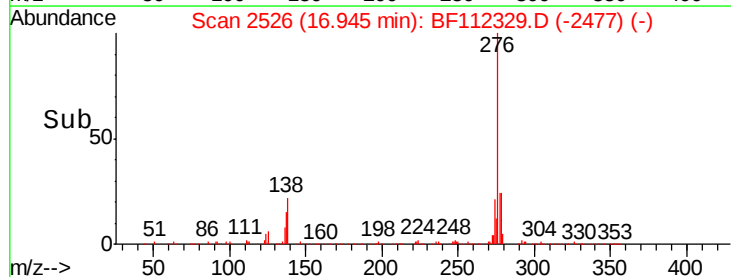
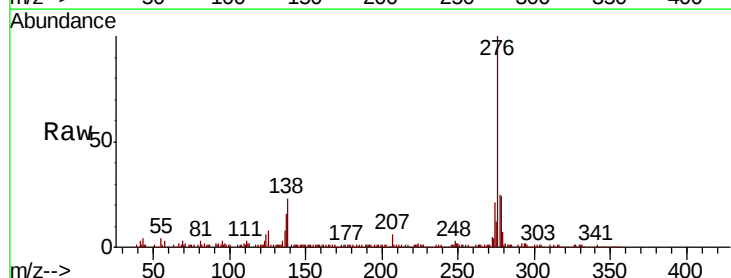
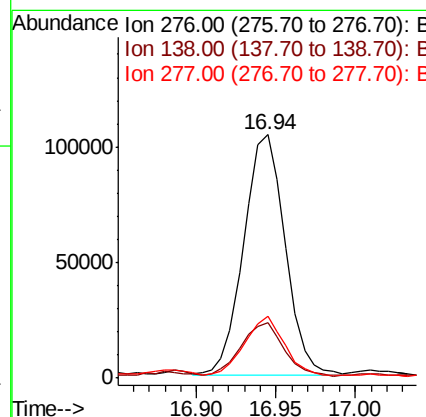
Manual Integrations
APPROVED

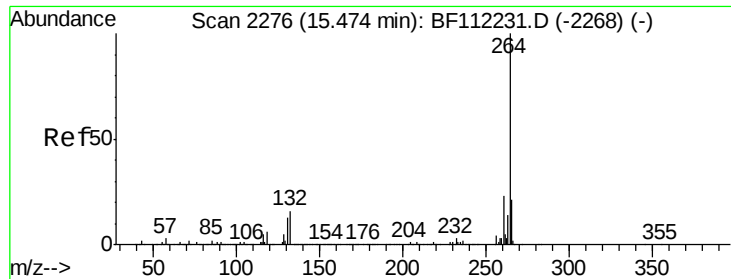
mohammad
2/1/2019 12:06:39 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 11.238 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF112329.D
Acq: 30 Jan 2019 18:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	22.6	34.0#
277	23.3	20.3	30.5





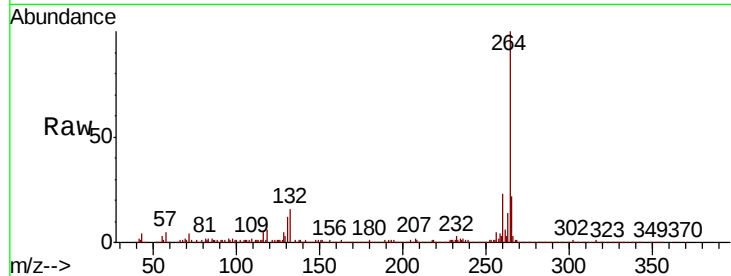
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF112329.D
Acq: 30 Jan 2019 18:43

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.2
265	22.4	17.0	25.4

Manual Integrations
APPROVED

mohammad
2/1/2019 12:06:39 AM

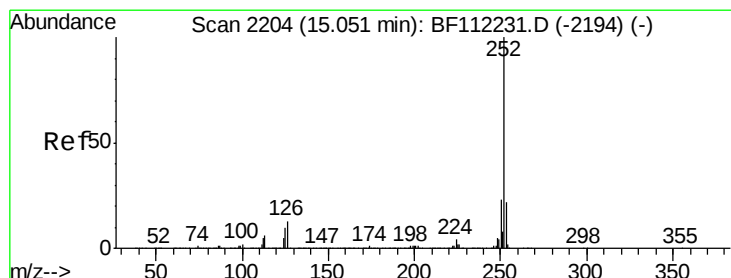
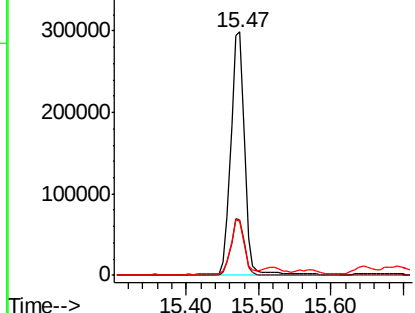
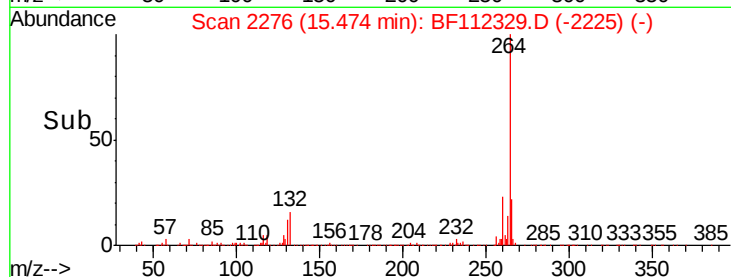


Abundance

Ion 264.00 (263.70 to 264.70): E

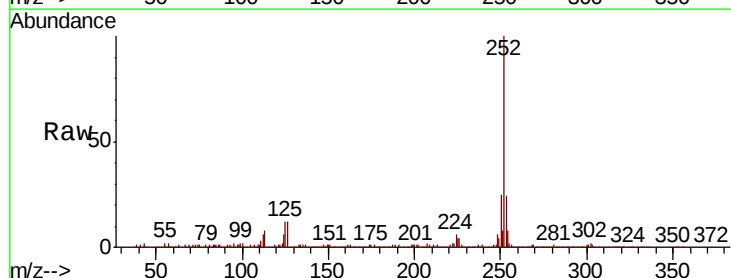
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 22.157 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112329.D
Acq: 30 Jan 2019 18:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	11.9	8.7	13.1

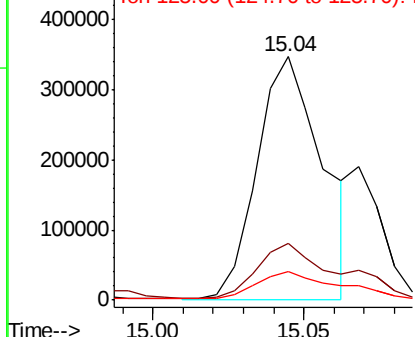
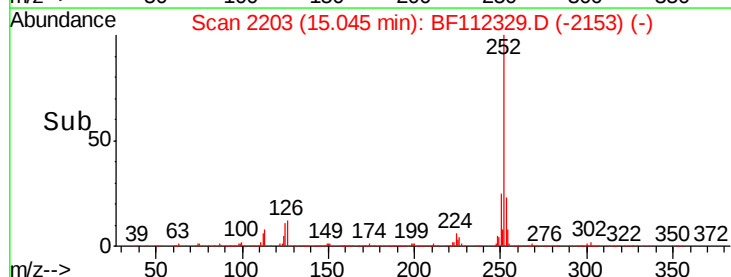


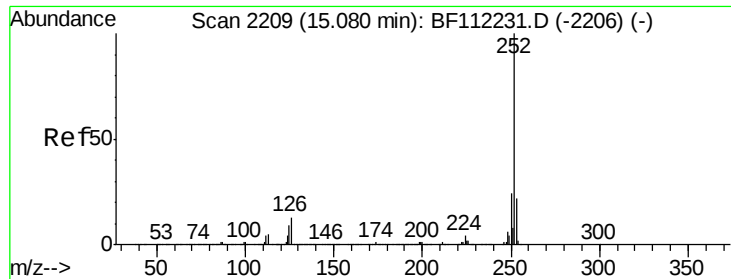
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





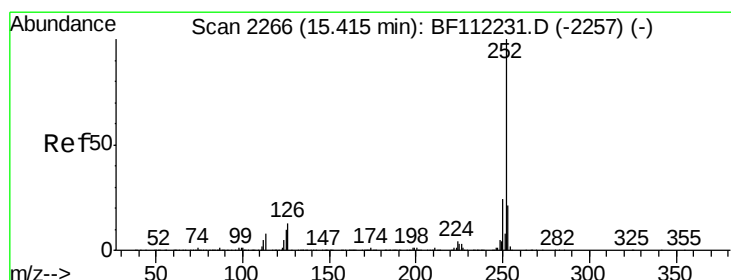
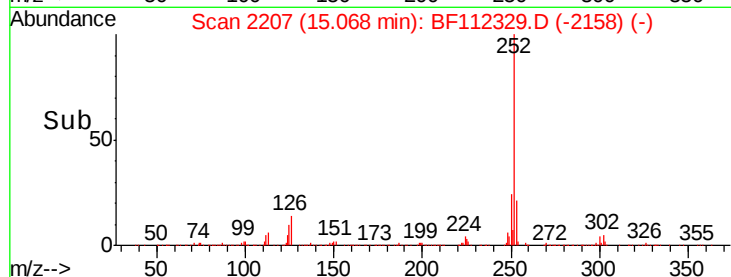
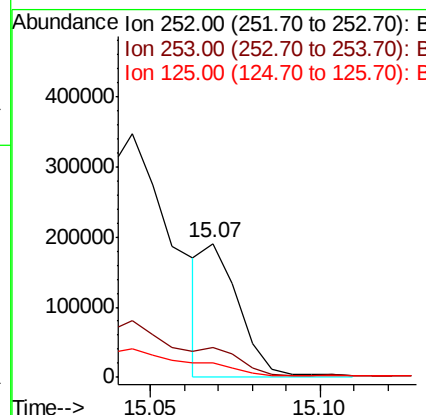
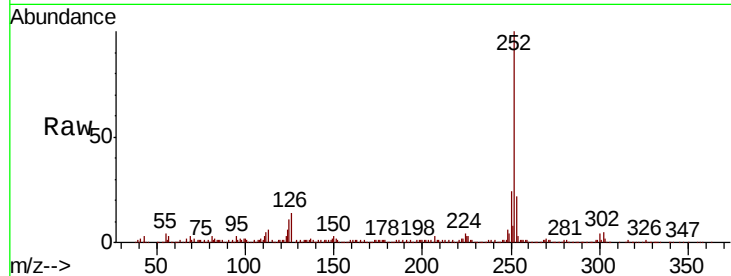
#89
Benzo(k)fluoranthene
Concen: 6.194 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112329.D
Acq: 30 Jan 2019 18:43

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	10.7	9.1	13.7

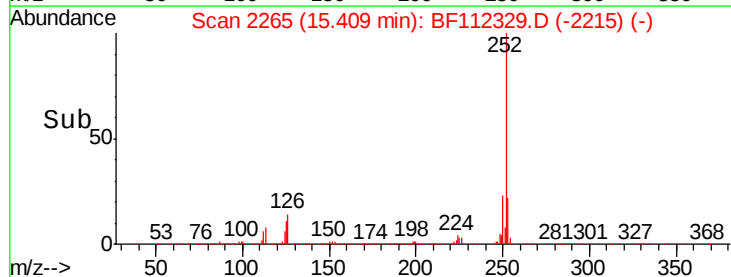
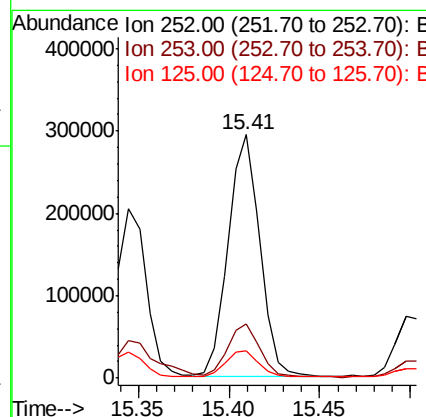
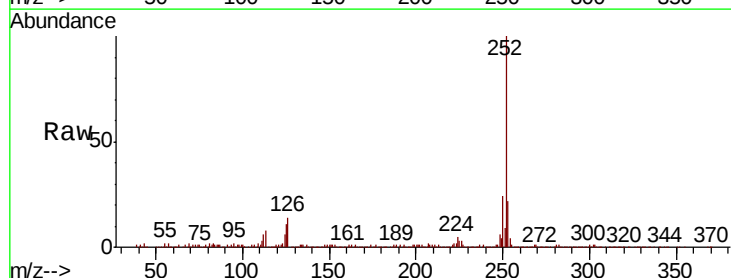
Manual Integrations
APPROVED

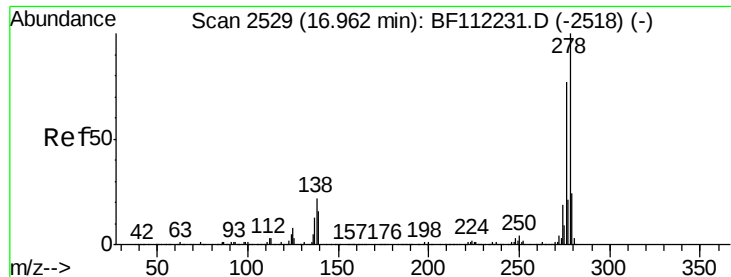
mohammad
2/1/2019 12:06:39 AM



#90
Benzo(a)pyrene
Concen: 16.806 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112329.D
Acq: 30 Jan 2019 18:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	11.3	9.0	13.4





#91

Dibenzo(a,h)anthracene

Concen: 3.078 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF112329.D

Acq: 30 Jan 2019 18:43

Instrument :

BNA_F

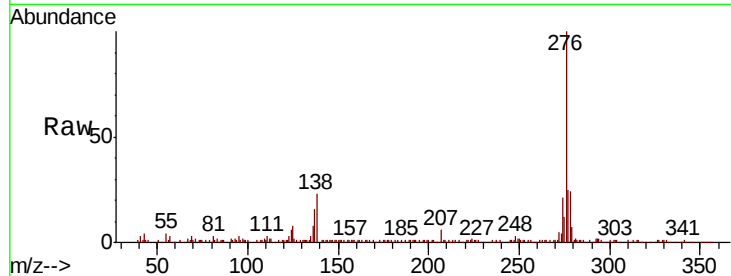
ClientSampleId :

TP-2

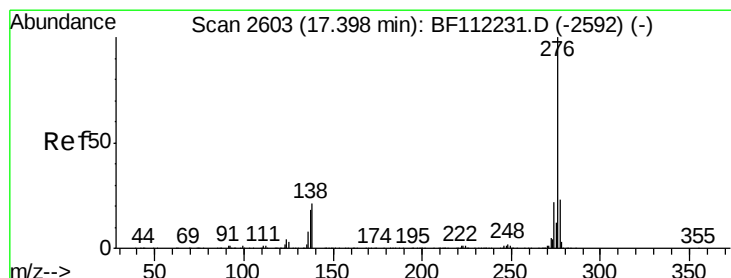
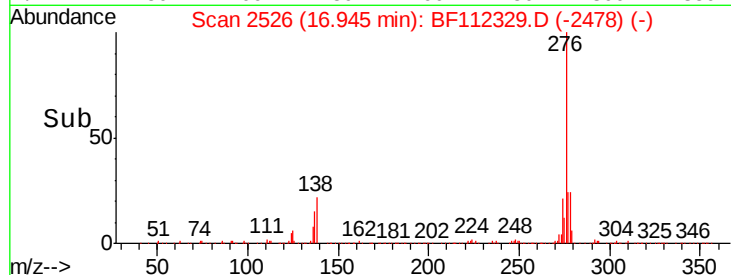
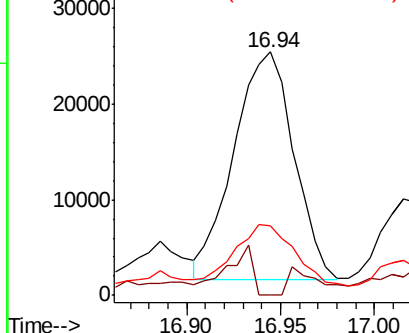
Tot Ion:	278	Resp:	53133
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.7	20.5#
279	28.5	19.0	28.6

Manual Integrations
APPROVED

mohammad
2/1/2019 12:06:39 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 10.680 ng

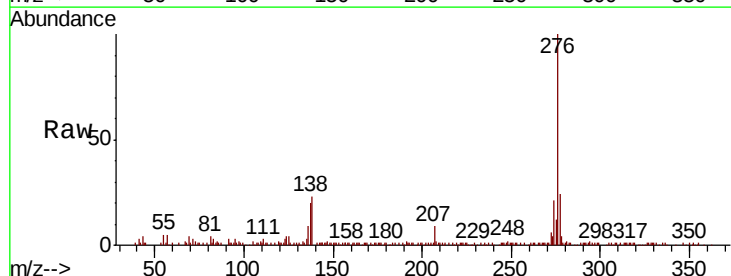
RT: 17.39 min Scan# 2602

Delta R.T. -0.01 min

Lab File: BF112329.D

Acq: 30 Jan 2019 18:43

Tgt Ion:	276	Resp:	173931
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.4	29.0
138	23.4	19.1	28.7



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

