

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115615.D
 Acq On : 16 Jul 2019 23:18
 Operator : HP/JU
 Sample : K3740-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-24

Manual Integrations
 APPROVED

mohammad
 7/19/2019 2:26:33 PM

Quant Time: Jul 17 06:36:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	146377	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	529491	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	251361	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	471793	20.00	ng	0.00
76) Chrysene-d12	14.05	240	322940	20.00	ng	0.00
87) Perylene-d12	15.53	264	278849	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	607209	67.85	ng	0.00
7) Phenol-d6	6.51	99	797093	70.20	ng	0.00
23) Nitrobenzene-d5	7.44	82	467721	51.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	150243	51.21	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	891707	62.09	ng	0.00
79) Terphenyl-d14	12.99	244	931672	53.23	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.63	163	217360	11.493	ng	Qvalue 98
71) Phenanthrene	11.43	178	370153	15.306	ng	97
72) Anthracene	11.49	178	96391	3.857	ng	96
75) Fluoranthene	12.63	202	969342	37.931	ng	99
78) Pyrene	12.86	202	897657	32.808	ng	97
81) Benzo(a)anthracene	14.04	228	508041	23.879	ng	99
83) Chrysene	14.08	228	454959	21.302	ng	96
86) Indeno(1,2,3-cd)pyrene	17.02	276	165482	9.120	ng	95
88) Benzo(b)fluoranthene	15.10	252	523482m	29.154	ng	
89) Benzo(k)fluoranthene	15.12	252	176722m	11.039	ng	
90) Benzo(a)pyrene	15.47	252	294823	19.104	ng	97
91) Dibenzo(a,h)anthracene	17.03	278	44244	3.266	ng	# 80
92) Benzo(a,h,i)perylene	17.46	276	164893	12.203	ng	94

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

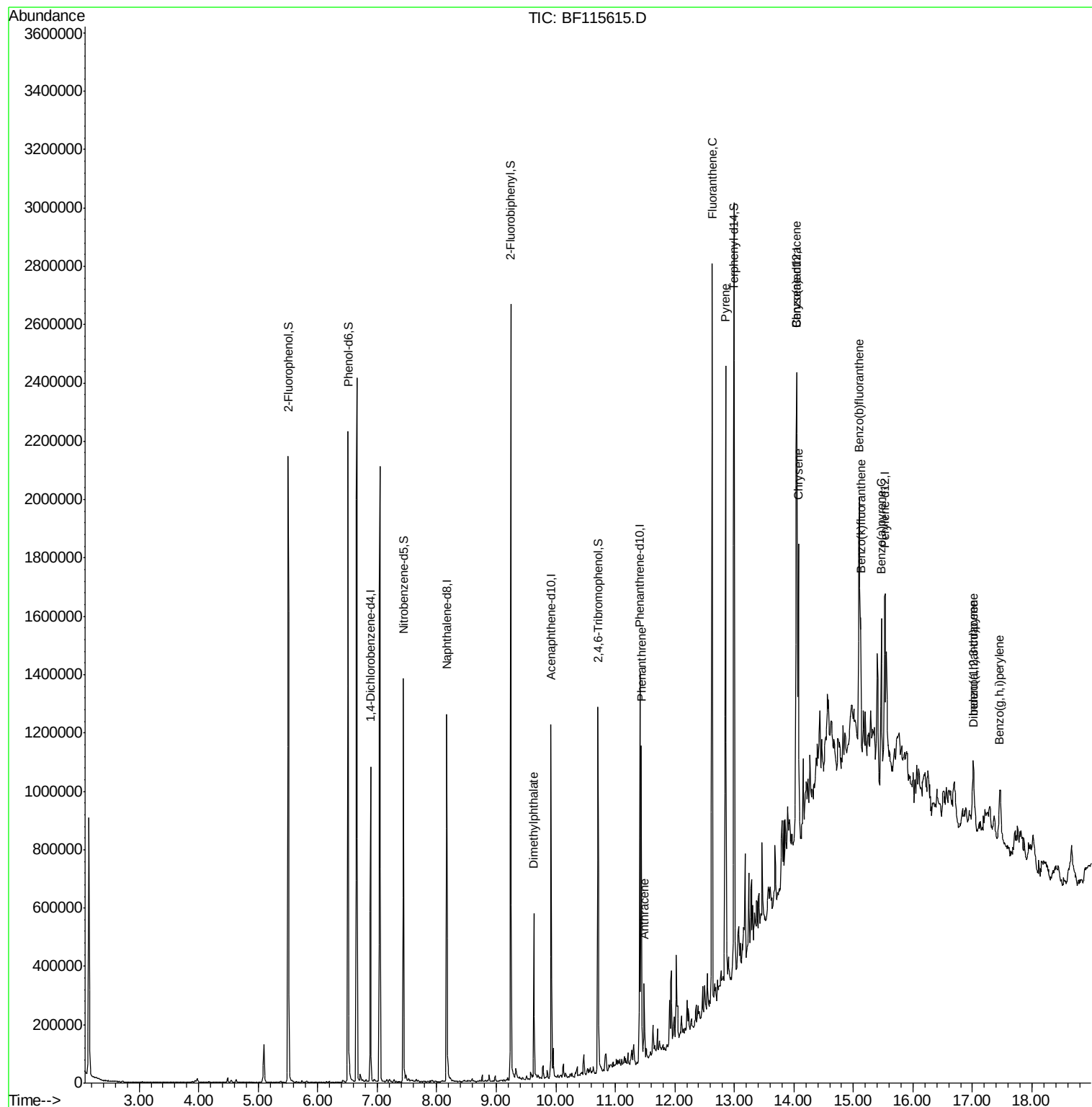
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115615.D
Acq On : 16 Jul 2019 23:18
Operator : HP/JU
Sample : K3740-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

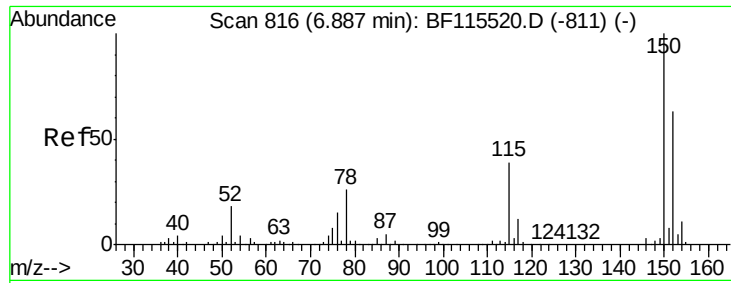
Instrument :
BNA_F
ClientSampleId :
COMP-24

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:33 PM

Quant Time: Jul 17 06:36:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration





#1

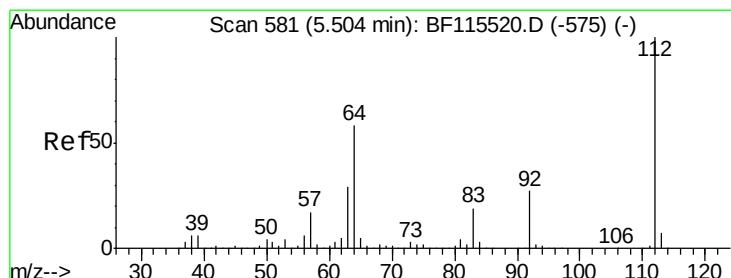
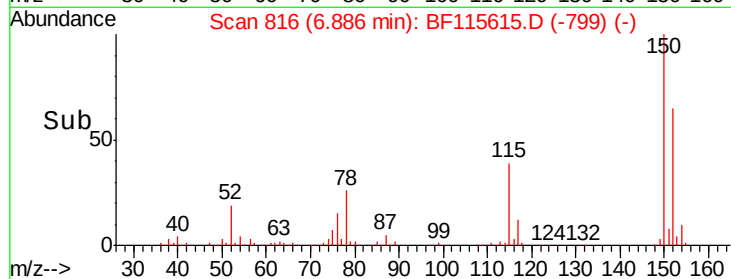
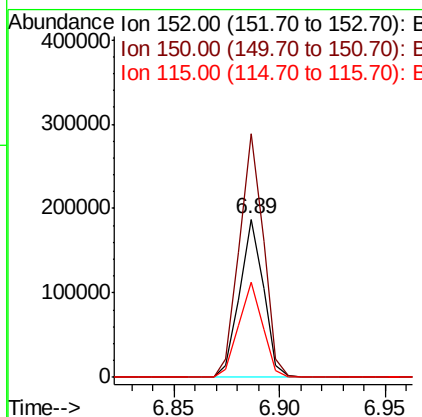
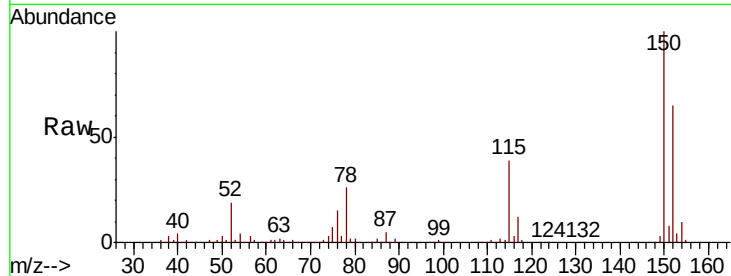
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Instrument :
BNA_F
ClientSampleId :
COMP-24

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	129.7	194.5
115	60.3	48.2	72.4

Manual Integrations
APPROVED

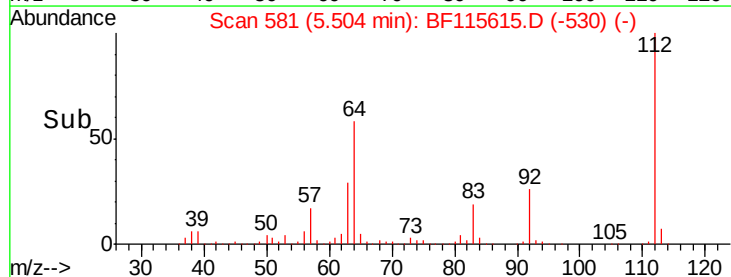
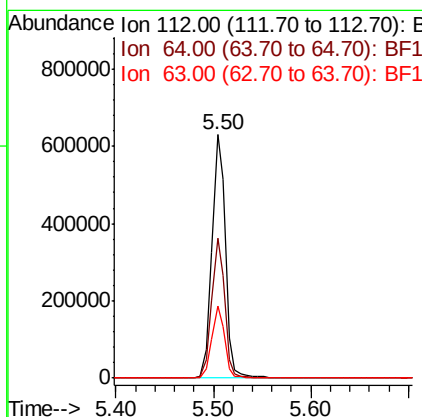
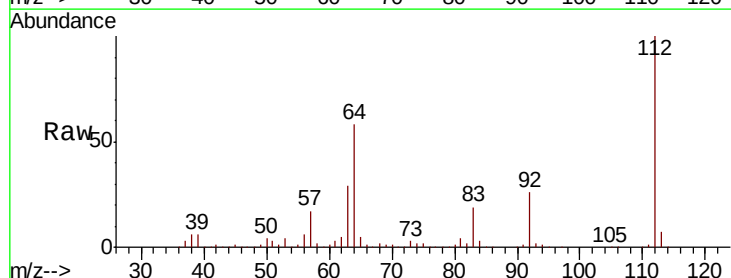
mohammad
7/19/2019 2:26:33 PM

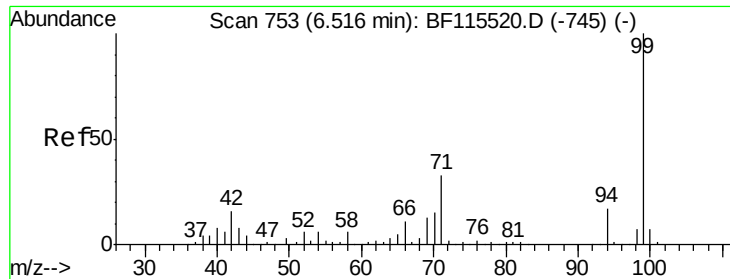


#5

2-Fluorophenol
Concen: 67.853 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	46.8	70.2
63	29.5	24.1	36.1





#7

Phenol-d6

Concen: 70.197 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115615.D

Acq: 16 Jul 2019 23:18

Instrument :

BNA_F

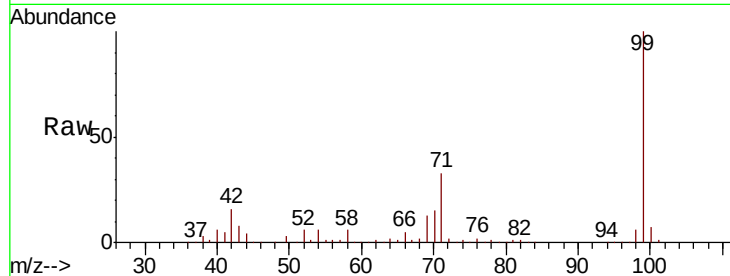
ClientSampled :

COMP-24

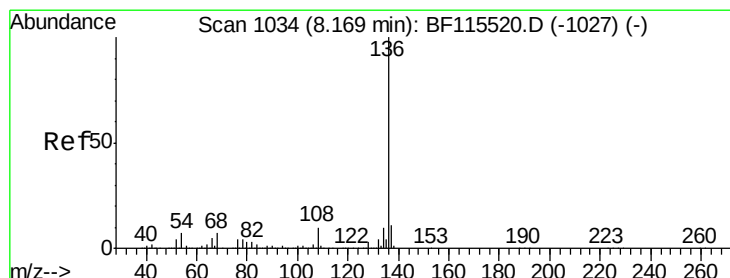
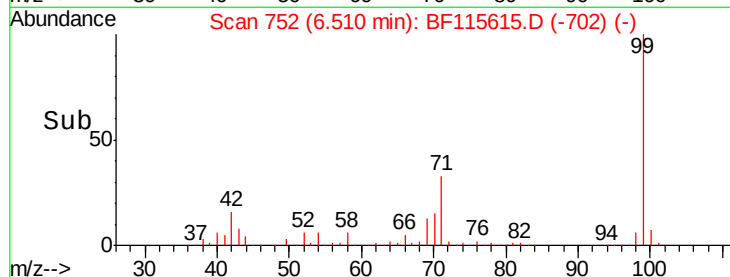
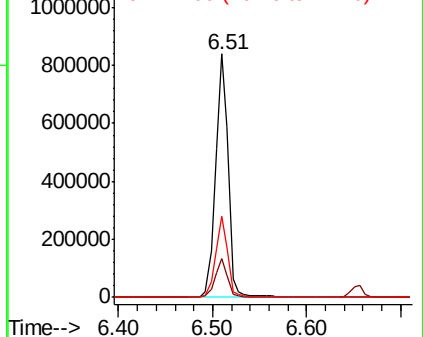
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		797093		
42	16.0	13.6	20.4		
71	33.3	28.5	42.7		

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:33 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

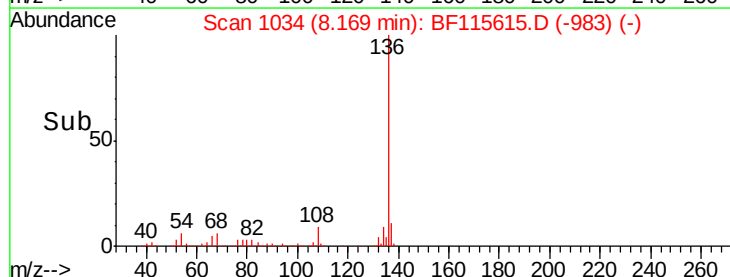
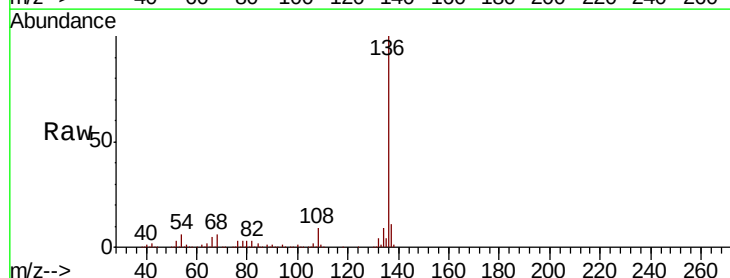
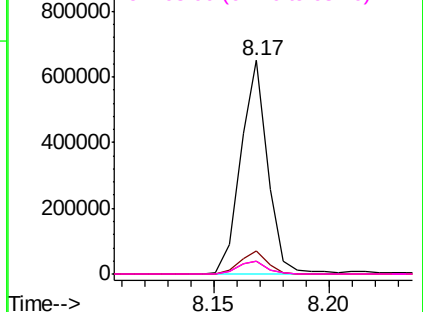
Delta R.T. -0.00 min

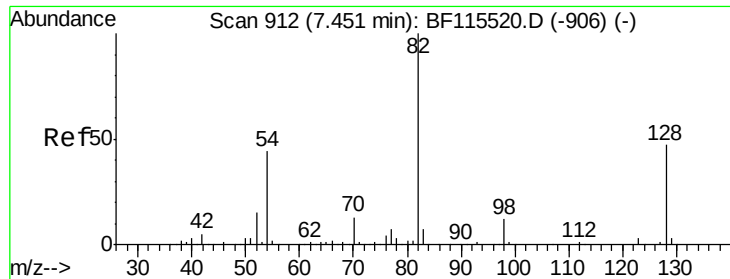
Lab File: BF115615.D

Acq: 16 Jul 2019 23:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		529491		
137	10.9	9.0	13.4		
54	6.3	5.6	8.4		
68	6.0	5.0	7.6		

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





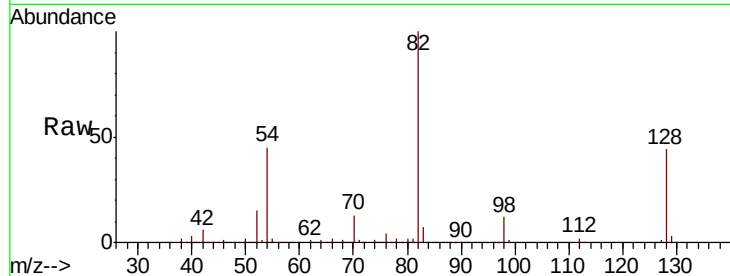
#23
Nitrobenzene-d5
Concen: 51.363 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Instrument :
BNA_F
ClientSampleId :
COMP-24

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	38.6	57.8
54	44.8	35.6	53.4

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:33 PM

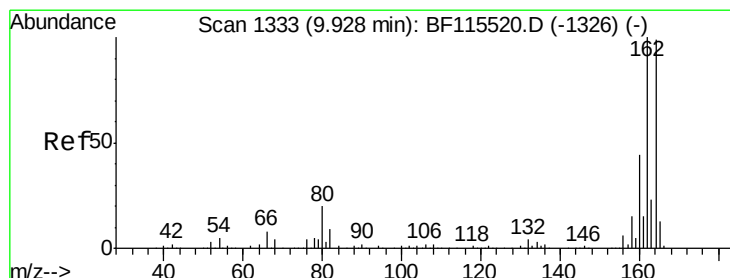
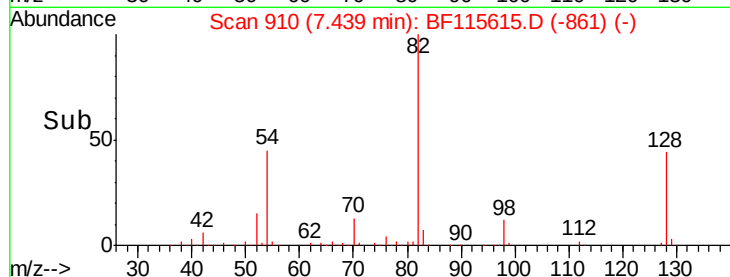
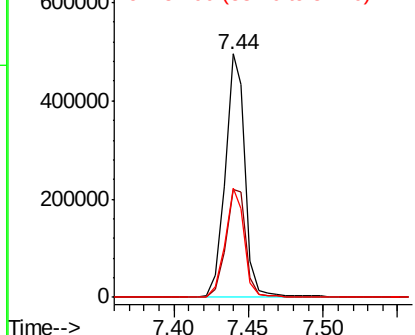


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

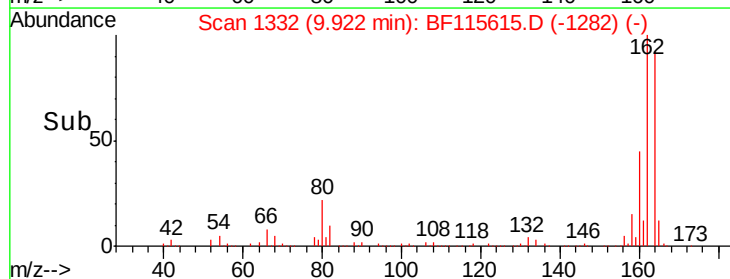
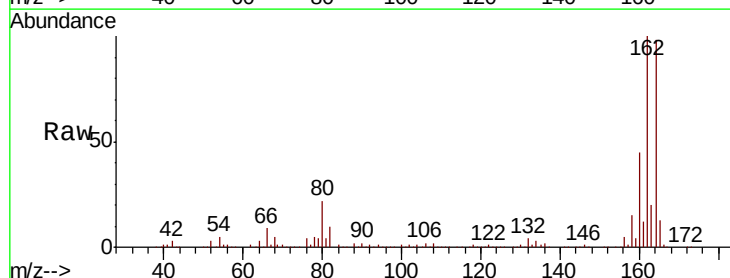
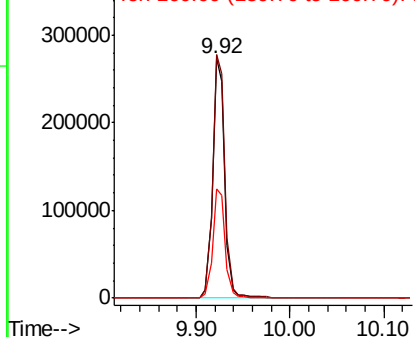
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.9	124.3
160	45.7	36.8	55.2

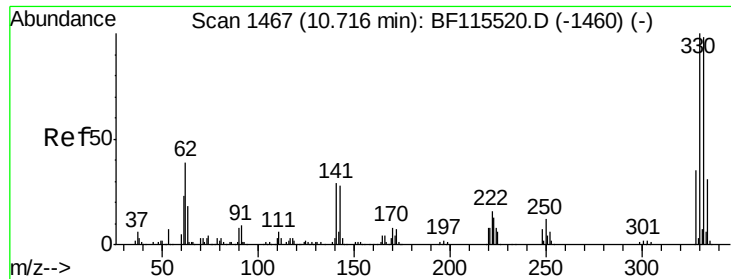
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 51.208 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF115615.D

Acq: 16 Jul 2019 23:18

Instrument :

BNA_F

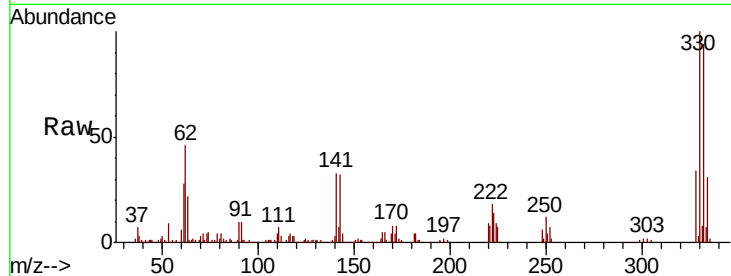
ClientSampled :

COMP-24

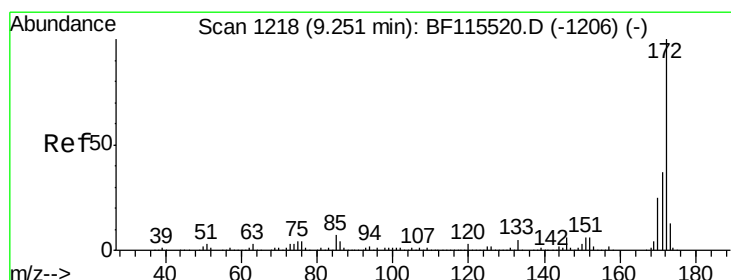
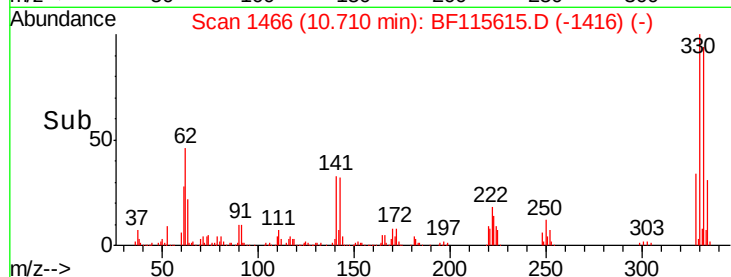
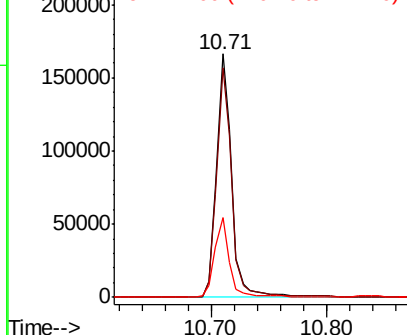
Tot Ion:	330	Resp:	150243
Ion Ratio	Lower	Upper	
330	100		
332	96.1	77.4	116.2
141	31.8	22.4	33.6

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:33 PM



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: 62.092 ng

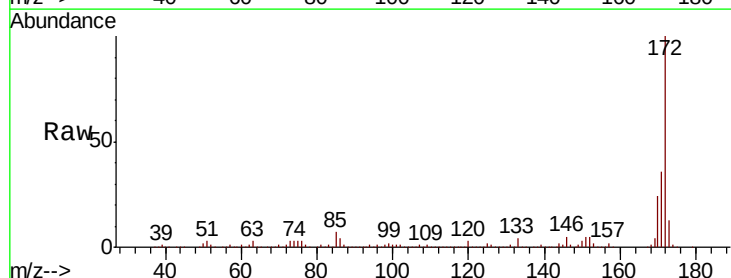
RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

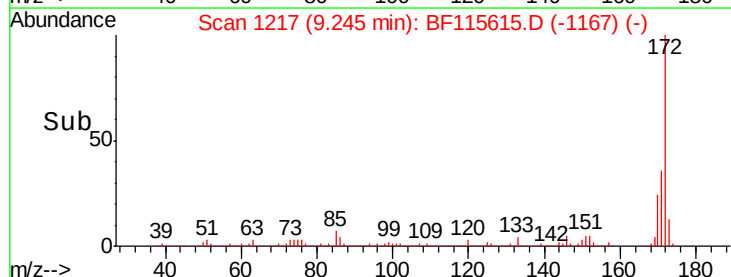
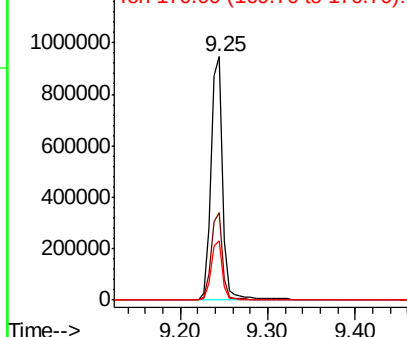
Lab File: BF115615.D

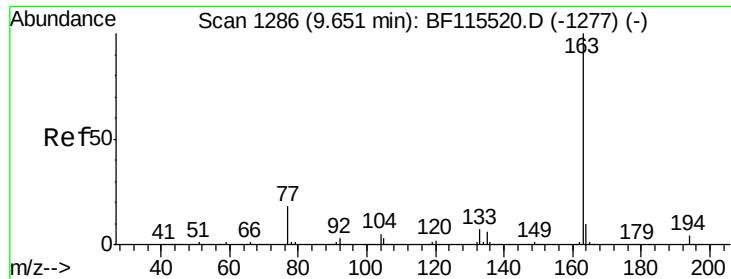
Acq: 16 Jul 2019 23:18

Tgt Ion:	172	Resp:	891707
Ion Ratio	Lower	Upper	
172	100		
171	36.1	30.6	46.0
170	24.3	20.5	30.7



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





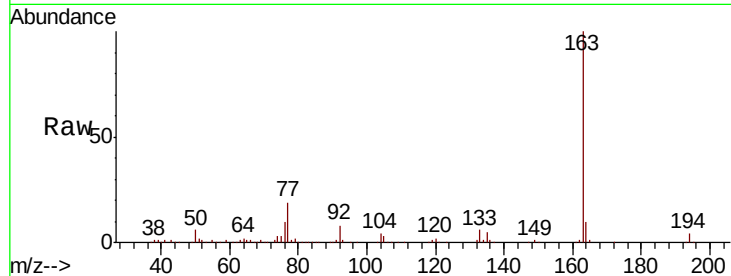
#50
Dimethylphthalate
Concen: 11.493 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Instrument :
BNA_F
ClientSampleId :
COMP-24

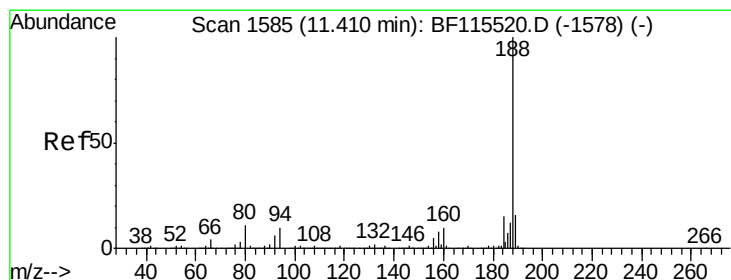
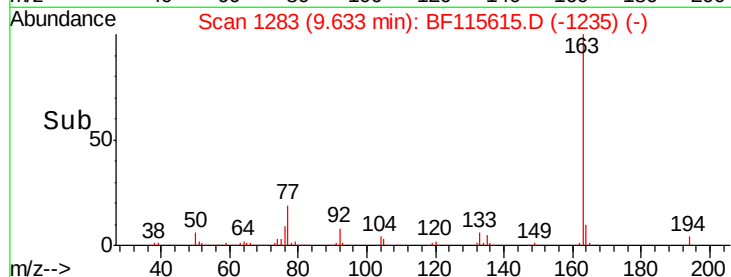
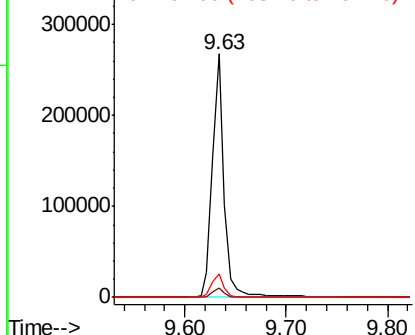
Tot Ion	Ratio	Resp	Lower	Upper
163	100	217360		
194	3.8		3.3	4.9
164	9.8		8.7	13.1

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:33 PM



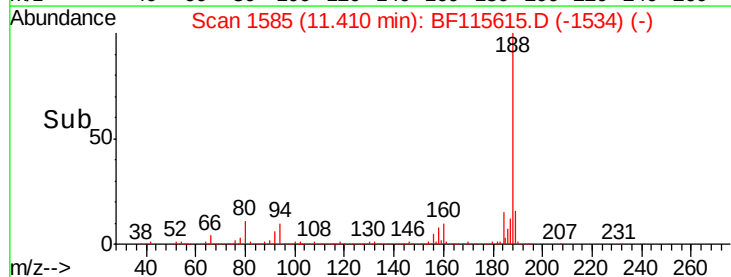
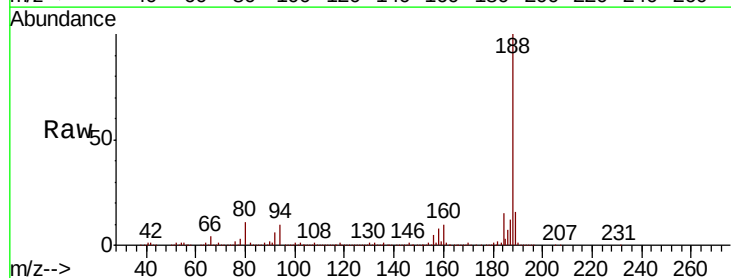
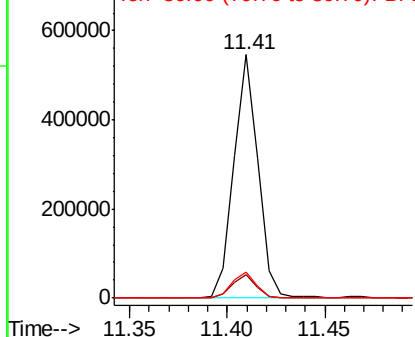
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

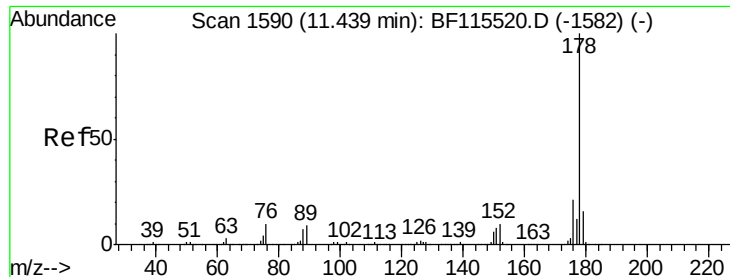


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	471793		
94	9.9		7.8	11.6
80	10.8		8.6	13.0

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





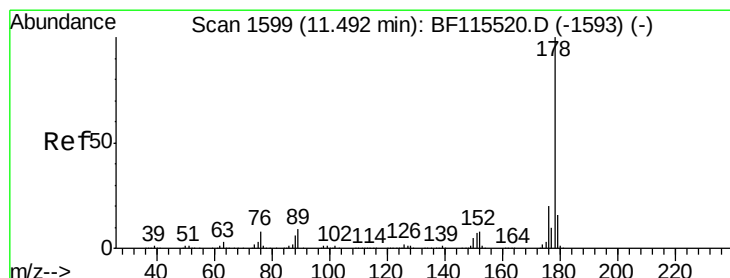
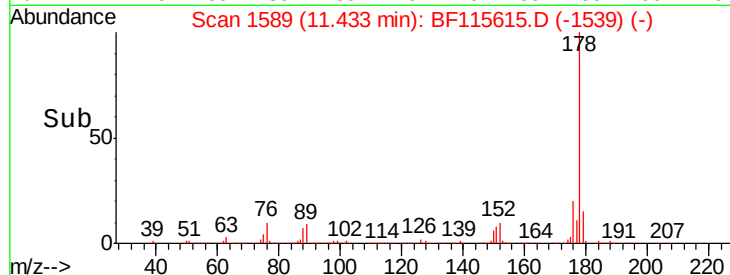
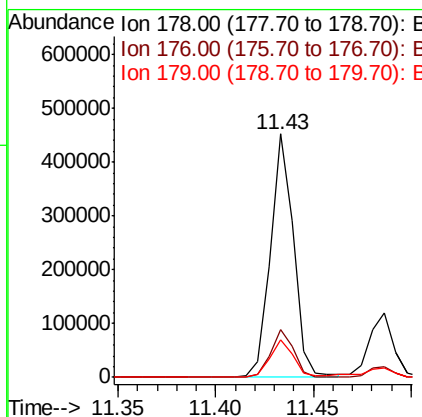
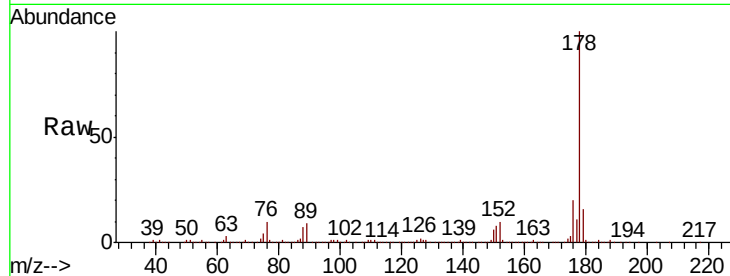
#71
Phenanthrene
Concen: 15.306 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Instrument :
BNA_F
ClientSampleId :
COMP-24

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	17.2	25.8
179	15.5	13.5	20.3

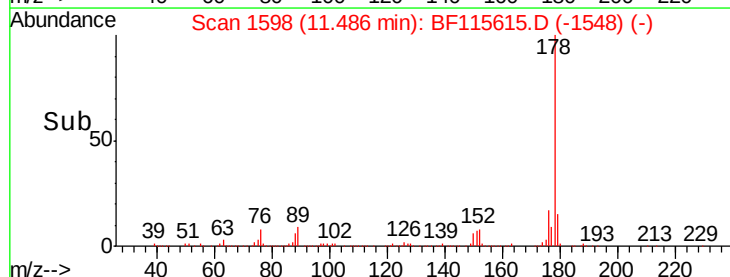
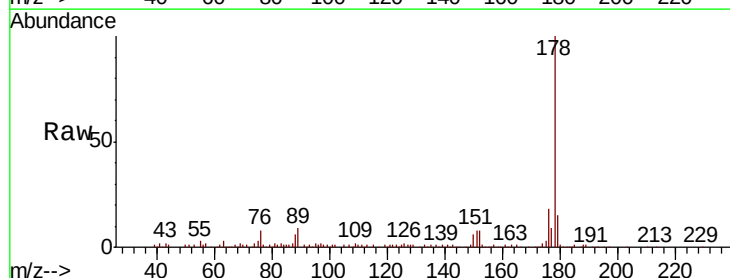
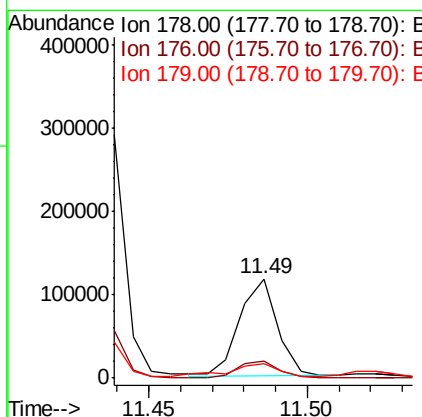
Manual Integrations
APPROVED

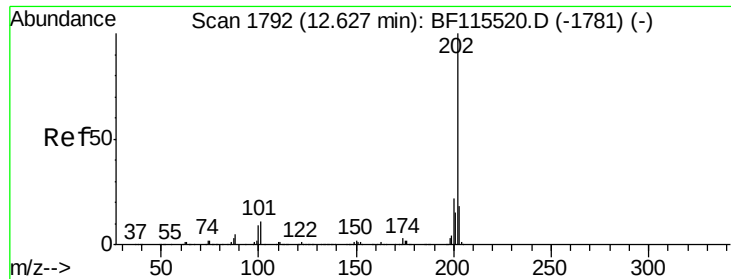
mohammad
7/19/2019 2:26:33 PM



#72
Anthracene
Concen: 3.857 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.9	23.9
179	15.2	12.7	19.1





#75

Fluoranthene

Concen: 37.931 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF115615.D

Acq: 16 Jul 2019 23:18

Instrument :

BNA_F

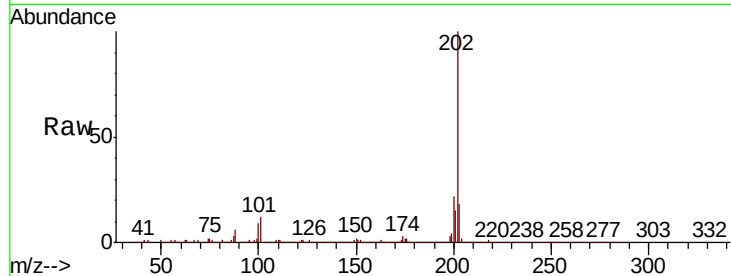
ClientSampled :

COMP-24

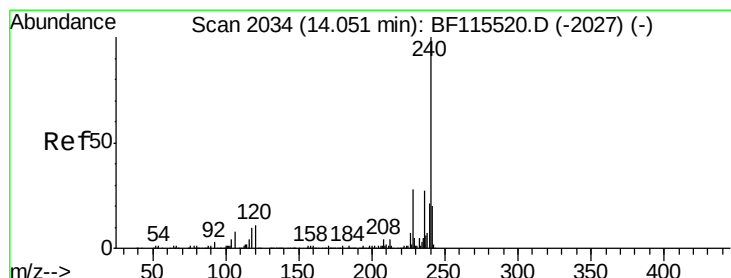
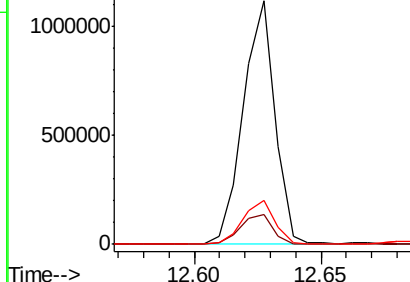
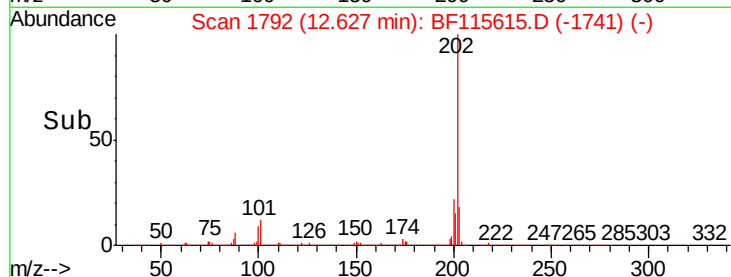
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.1	0.0	31.4
203	17.8	0.0	38.1

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:33 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

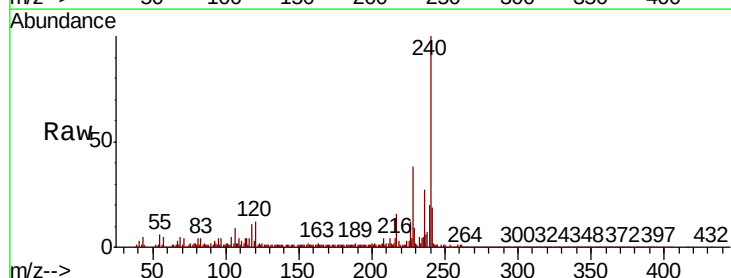
RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

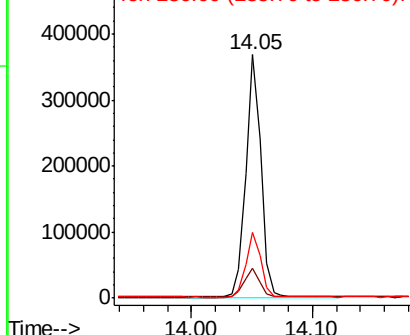
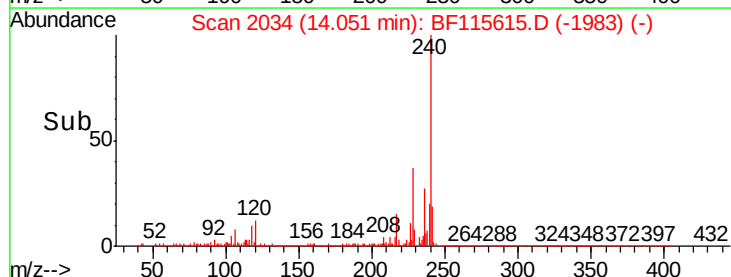
Lab File: BF115615.D

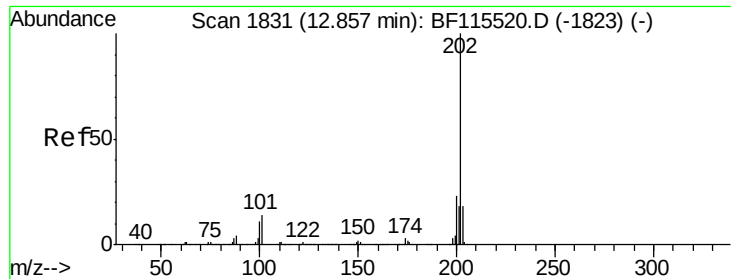
Acq: 16 Jul 2019 23:18

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.4	8.6	13.0
236	27.0	21.3	31.9



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





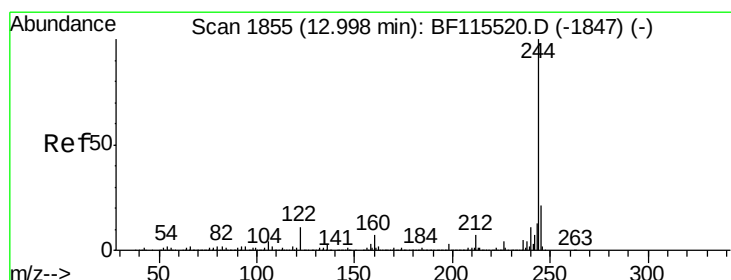
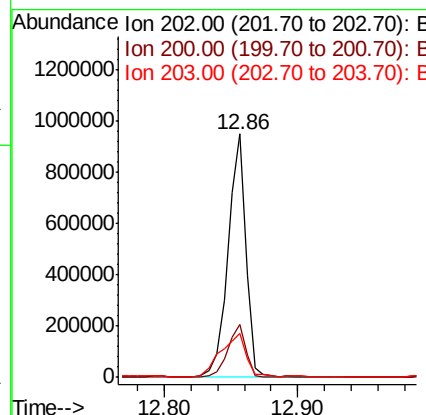
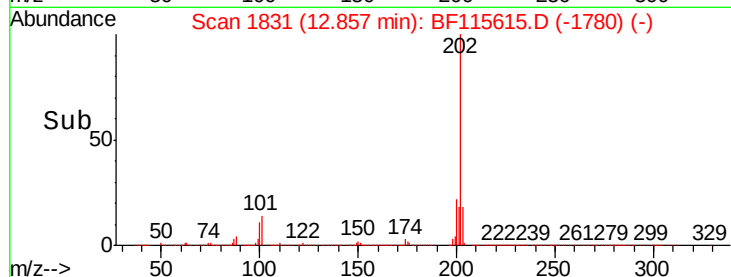
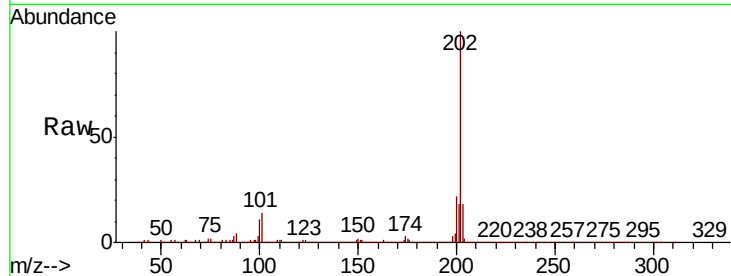
#78
Pvrene
Concen: 32.808 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Instrument :
BNA_F
ClientSampleId :
COMP-24

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	18.7	28.1
203	18.1	15.2	22.8

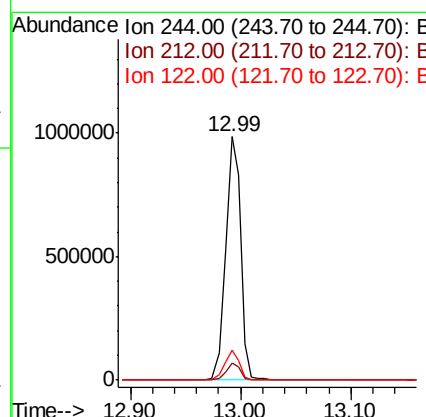
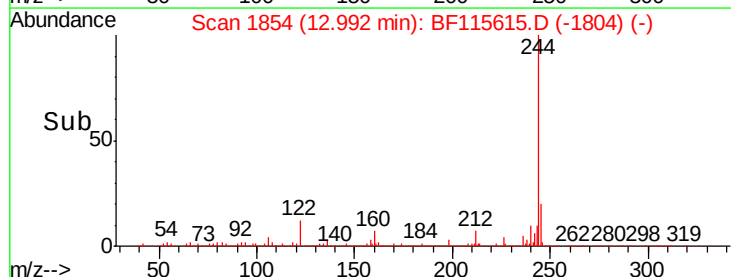
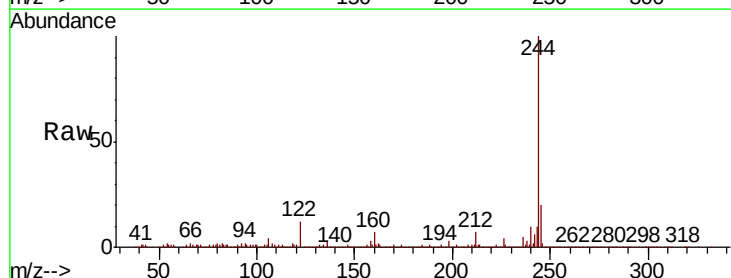
Manual Integrations
APPROVED

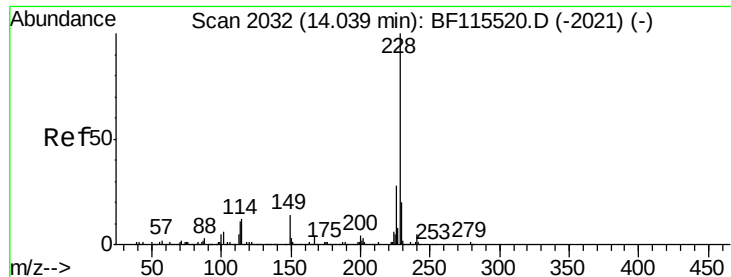
mohammad
7/19/2019 2:26:33 PM



#79
Terphenyl-d14
Concen: 53.233 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	12.5	8.6	12.8





#81

Benzo(a)anthracene

Concen: 23.879 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF115615.D

Acq: 16 Jul 2019 23:18

Instrument :

BNA_F

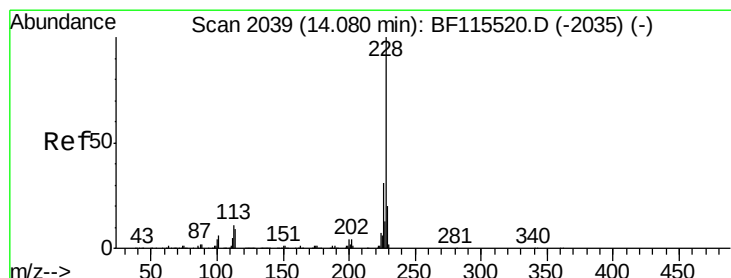
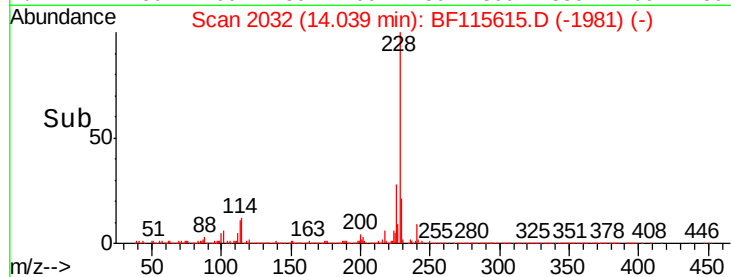
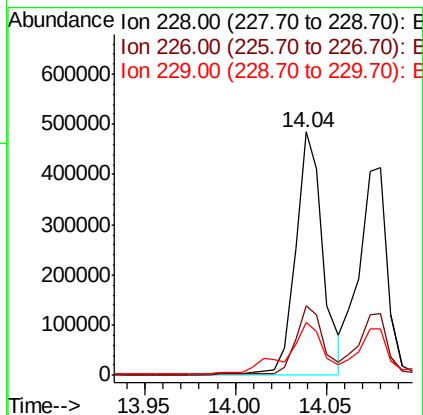
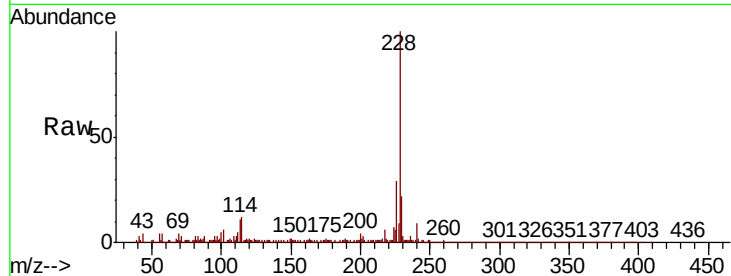
ClientSampleId :

COMP-24

Tot Ion:	228	Resp:	508041
Ion Ratio	Lower	Upper	
228	100		
226	28.7	23.4	35.0
229	21.6	17.2	25.8

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:33 PM



#83

Chrysene

Concen: 21.302 ng

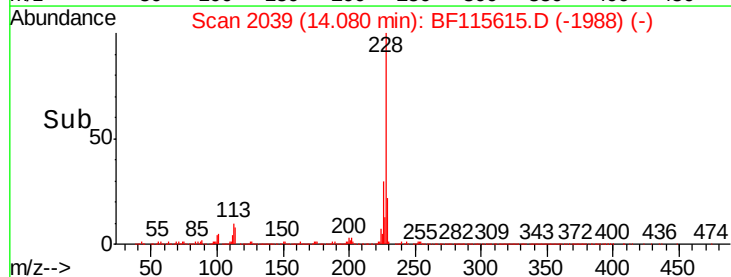
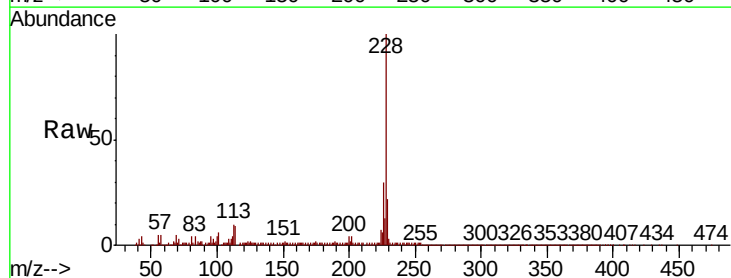
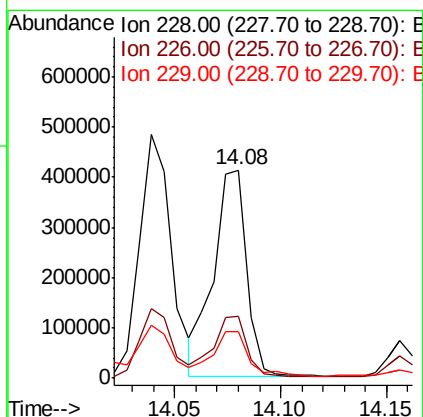
RT: 14.08 min Scan# 2039

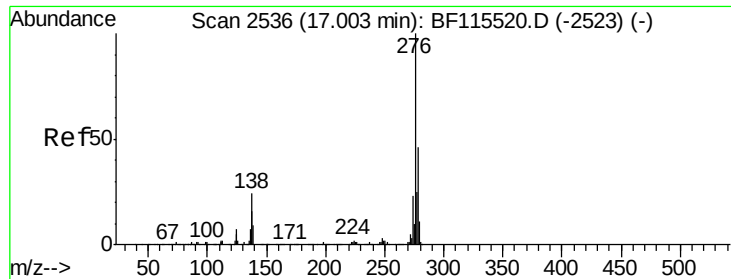
Delta R.T. -0.00 min

Lab File: BF115615.D

Acq: 16 Jul 2019 23:18

Tgt Ion:	228	Resp:	454959
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.7	38.5
229	22.4	16.6	25.0





#86

Indeno(1,2,3-cd)pyrene

Concen: 9.120 ng

RT: 17.02 min Scan# 2538

Delta R.T. 0.01 min

Lab File: BF115615.D

Acq: 16 Jul 2019 23:18

Instrument :

BNA_F

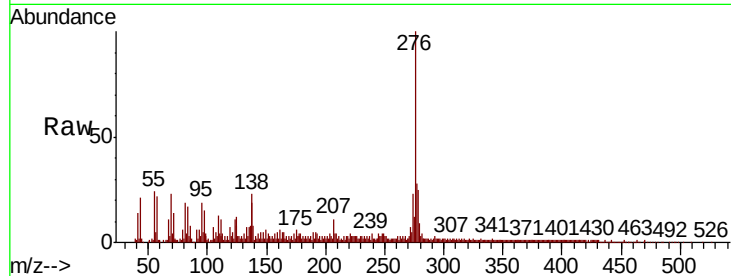
ClientSampleId :

COMP-24

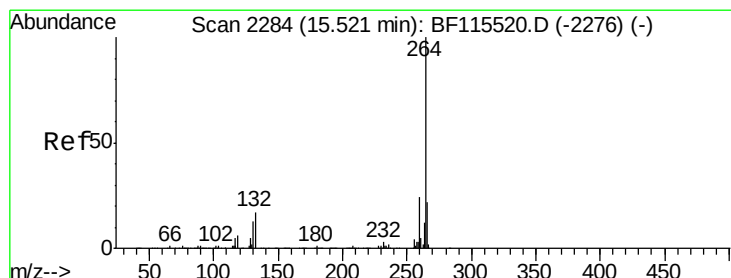
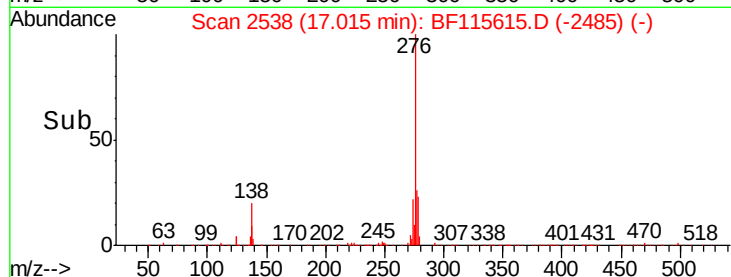
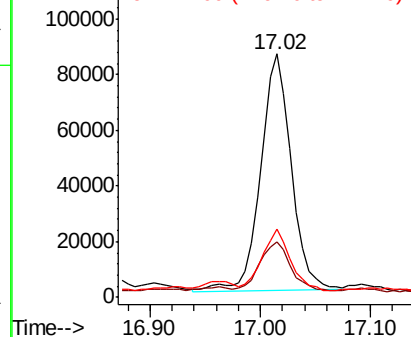
Tot Ion:	276	Resp:	165482
Ion Ratio	Lower	Upper	
276	100		
138	20.8	20.2	30.2
277	24.5	20.4	30.6

Manual Integrations
APPROVED

mohammad
7/19/2019 2:26:33 PM



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



#87

Perylene-d12

Concen: 20.000 ng

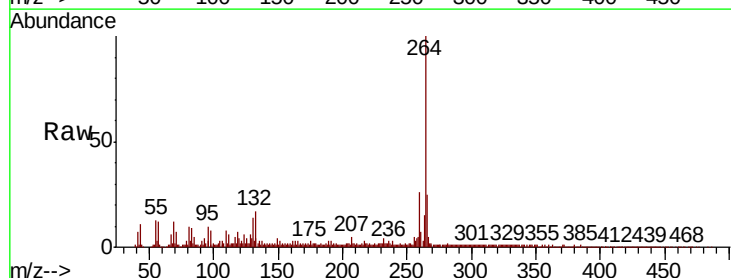
RT: 15.53 min Scan# 2286

Delta R.T. 0.01 min

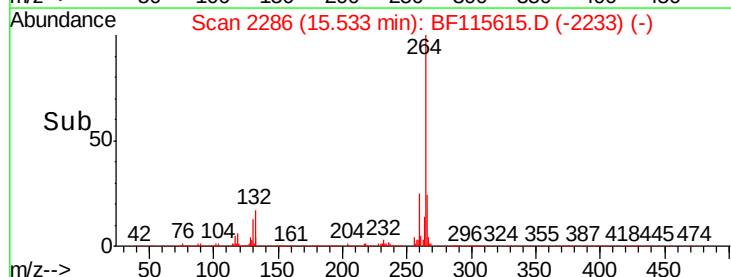
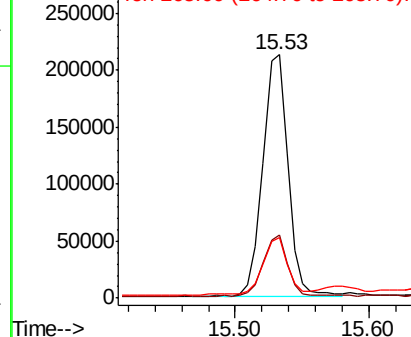
Lab File: BF115615.D

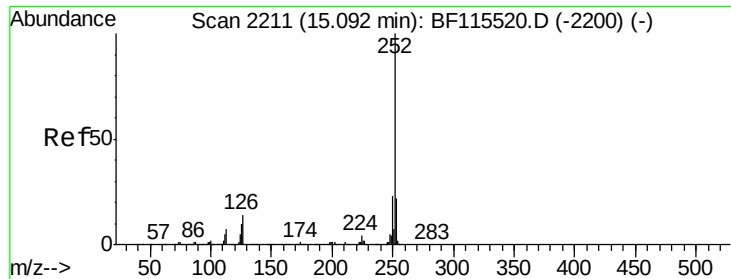
Acq: 16 Jul 2019 23:18

Tgt Ion:	264	Resp:	278849
Ion Ratio	Lower	Upper	
264	100		
260	25.9	19.8	29.8
265	24.8	17.7	26.5



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





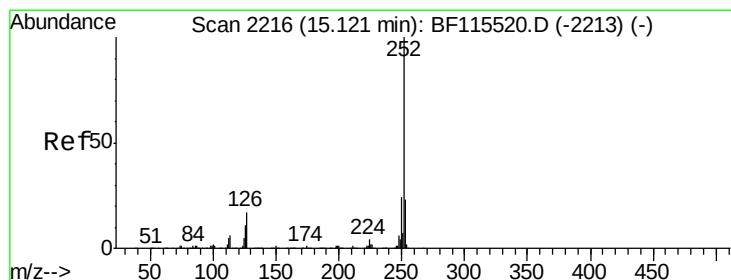
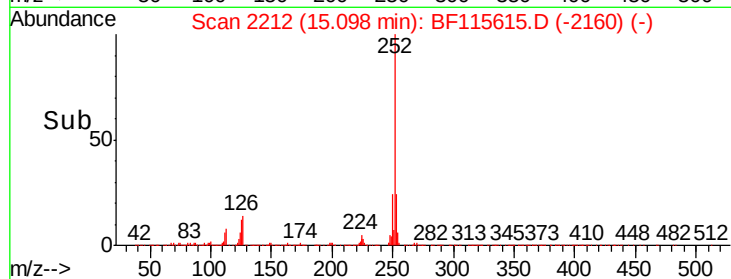
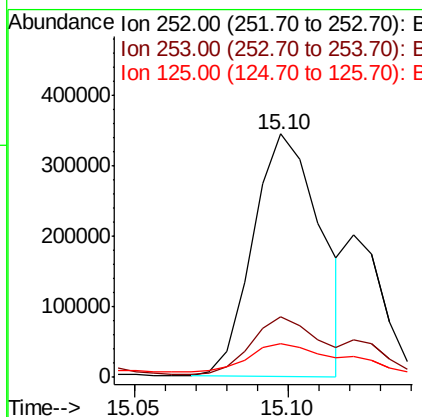
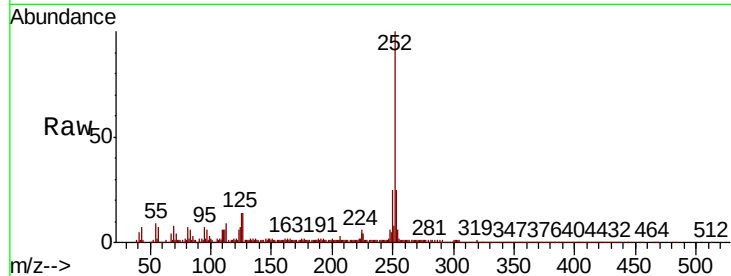
#88
Benzo(b)fluoranthene
Concen: 29.154 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Instrument :
BNA_F
ClientSampleId :
COMP-24

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	14.1	9.0	13.4

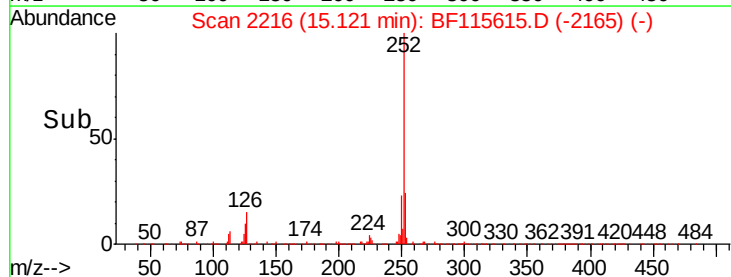
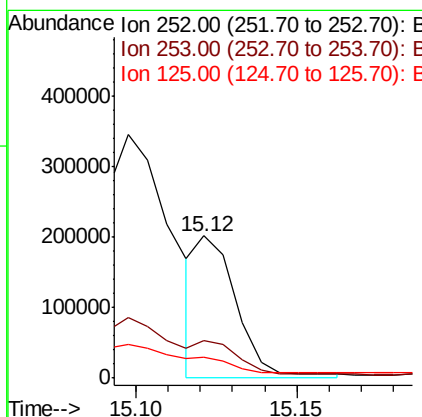
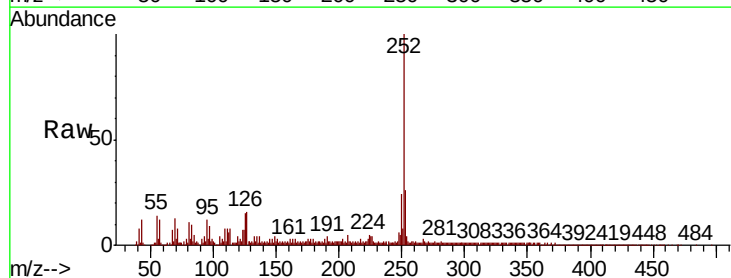
Manual Integrations
APPROVED

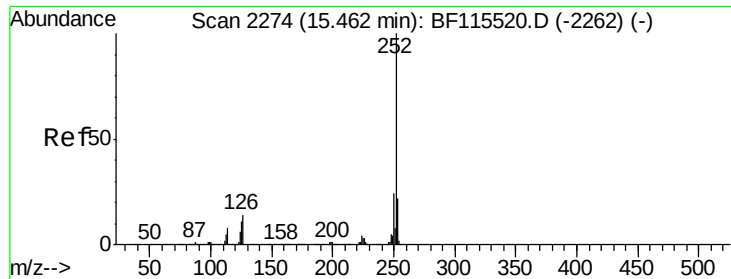
mohammad
7/19/2019 2:26:33 PM



#89
Benzo(k)fluoranthene
Concen: 11.039 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.6	28.0
125	14.5	9.0	13.6





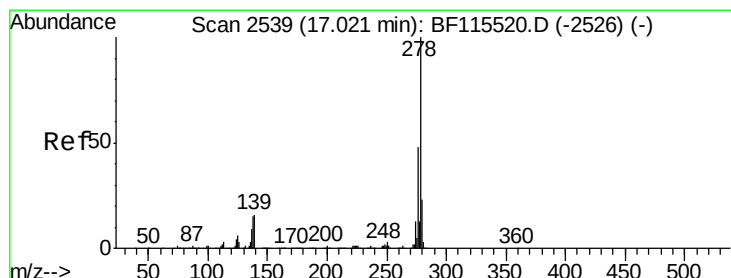
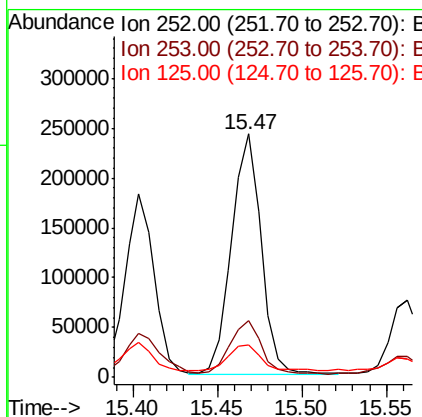
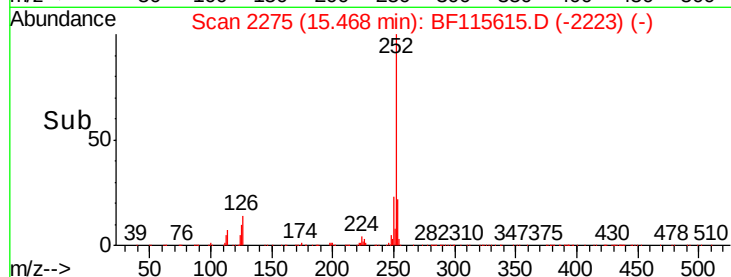
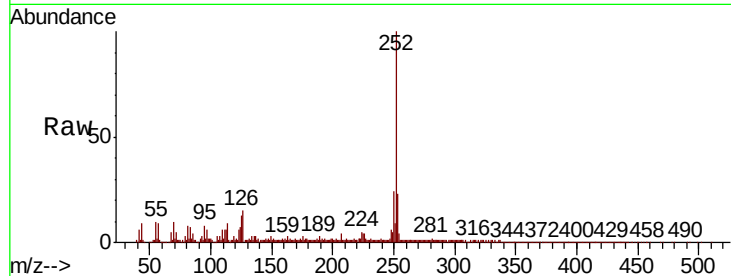
#90
Benzo(a)pyrene
Concen: 19.104 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Instrument :
BNA_F
ClientSampleId :
COMP-24

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	13.4	9.1	13.7

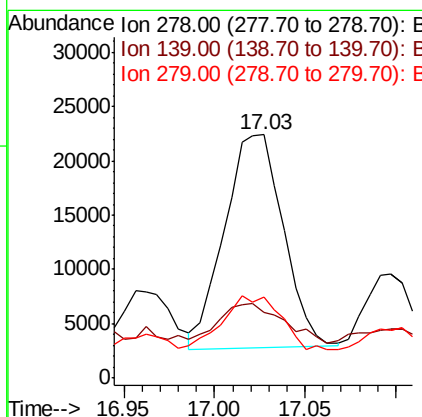
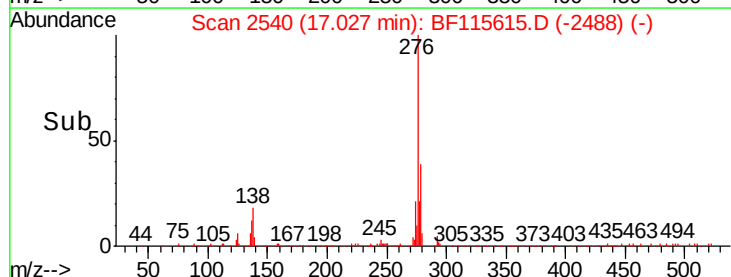
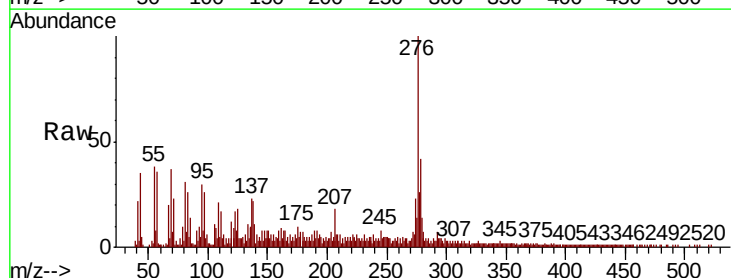
Manual Integrations
APPROVED

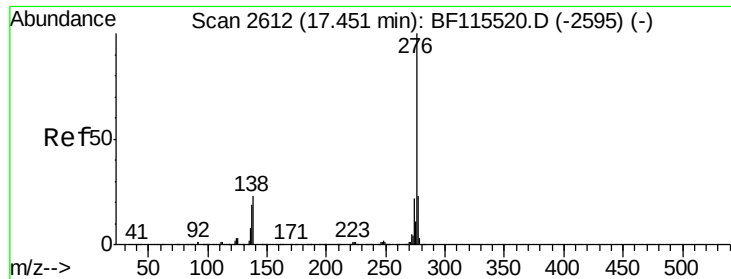
mohammad
7/19/2019 2:26:33 PM



#91
Dibenzo(a,h)anthracene
Concen: 3.266 ng
RT: 17.03 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.7	13.1	19.7#
279	33.3	19.6	29.4#





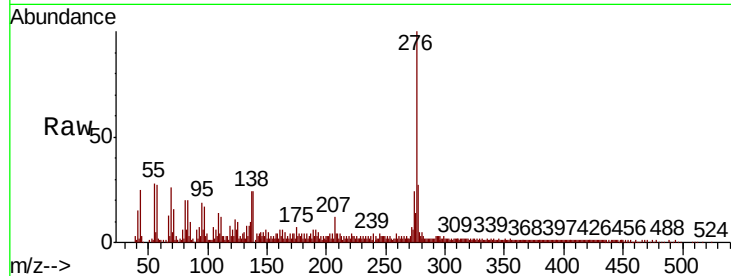
#92
 Benzo(a,h,i)perylene
 Concen: 12.203 ng
 RT: 17.46 min Scan# 2614
 Delta R.T. 0.01 min
 Lab File: BF115615.D
 Acq: 16 Jul 2019 23:18

Instrument :
 BNA_F
 ClientSampleId :
 COMP-24

Tot Ion:	276	Resp:	164893
Ion Ratio		Lower	Upper
276	100		
277	26.7	19.0	28.4
138	24.0	17.2	25.8

Manual Integrations
 APPROVED

mohammad
 7/19/2019 2:26:33 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

