

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
 Data File : BF116999.D
 Acq On : 12 Sep 2019 18:29
 Operator : HP/JU
 Sample : K4663-04 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-091119

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:59:41 AM

Quant Time: Sep 13 08:12:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 08:24:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	73105	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	310582	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	157147	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	235164	20.00	ng	0.00
76) Chrysene-d12	13.97	240	155977	20.00	ng	0.00
87) Perylene-d12	15.42	264	171119	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	210293	46.60	ng	0.00
7) Phenol-d6	6.45	99	294635	49.72	ng	-0.01
23) Nitrobenzene-d5	7.38	82	184909	33.99	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	53199	50.64	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	353019	37.89	ng	0.00
79) Terphenyl-d14	12.92	244	263996	31.31	ng	0.00
Target Compounds						
49) Acenaphthylene	9.72	152	35561	2.491	ng	98
50) Dimethylphthalate	9.57	163	58429	5.385	ng	97
71) Phenanthrene	11.36	178	39467	3.015	ng	98
75) Fluoranthene	12.55	202	137052	10.653	ng	98
78) Pyrene	12.77	202	155099	11.186	ng	98
81) Benzo(a)anthracene	13.96	228	96695m	9.795	ng	
83) Chrysene	13.99	228	86773	8.532	ng	97
86) Indeno(1,2,3-cd)pyrene	16.84	276	54334	6.651	ng	98
88) Benzo(b)fluoranthene	15.00	252	145254m	14.040	ng	
89) Benzo(k)fluoranthene	15.02	252	39444m	4.182	ng	
90) Benzo(a)pyrene	15.35	252	96616	10.734	ng	95
92) Benzo(a,h,i)perylene	17.27	276	49970	6.219	ng	97

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

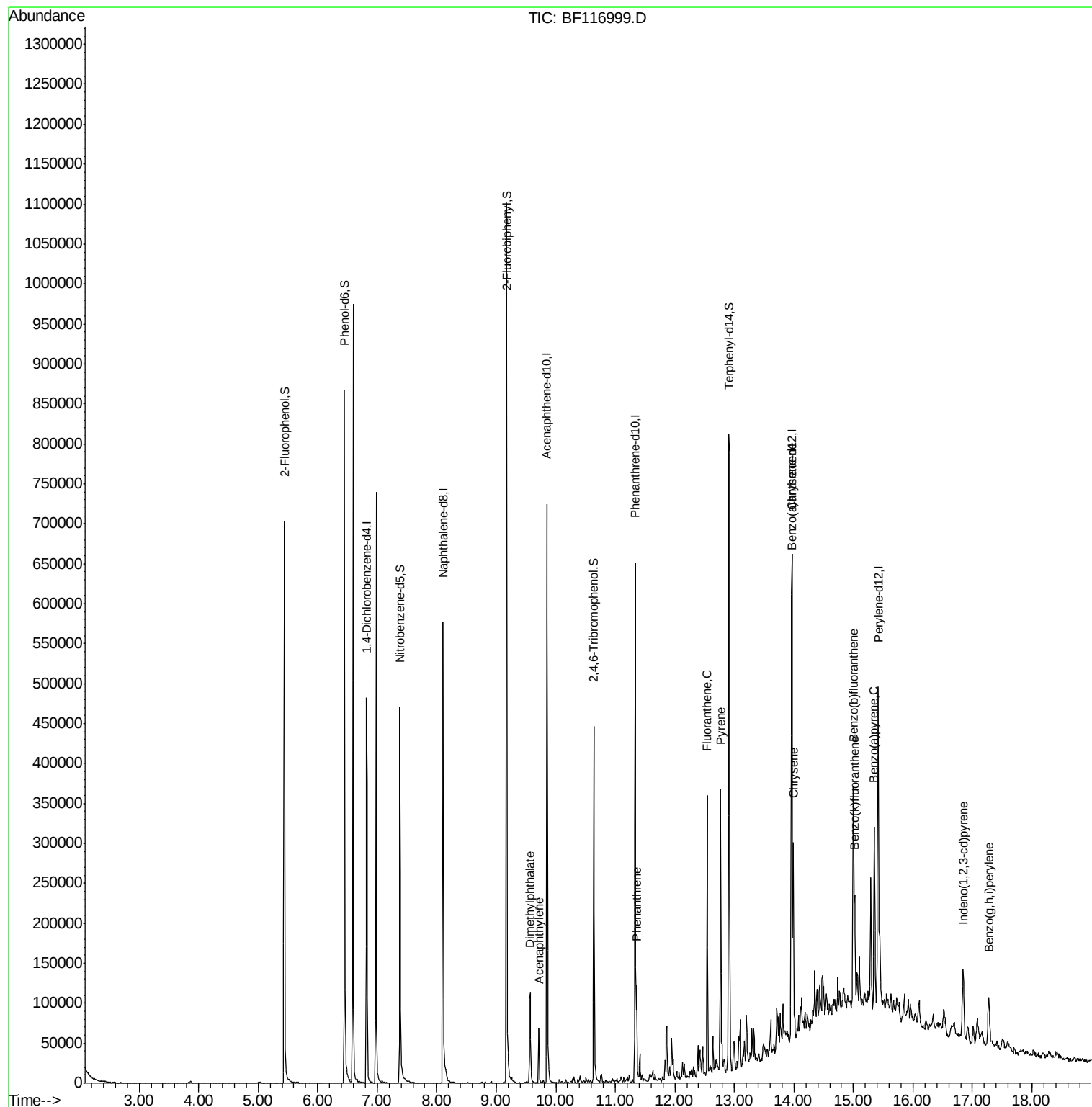
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116999.D
Acq On : 12 Sep 2019 18:29
Operator : HP/JU
Sample : K4663-04 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-091119

Manual Integrations
APPROVED

mohammad
9/16/2019 8:59:41 AM

Quant Time: Sep 13 08:12:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 08:24:39 2019
Response via : Initial Calibration





#1

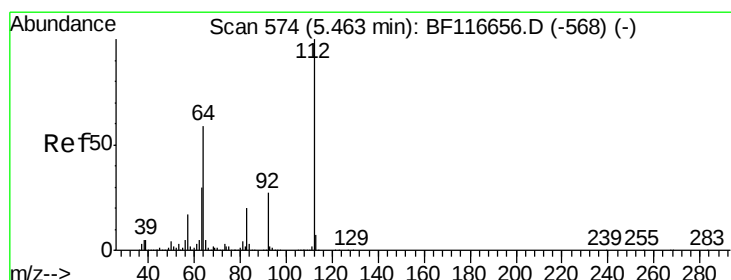
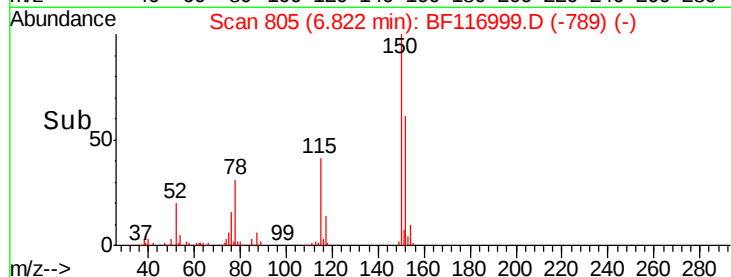
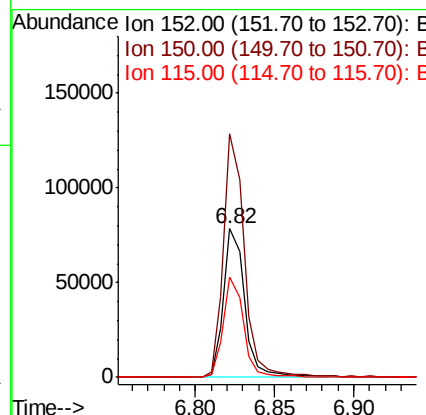
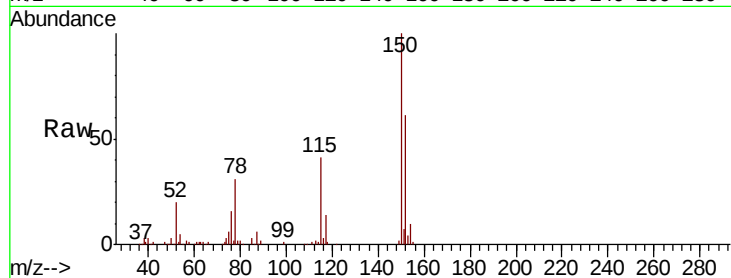
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116999.D
Acq: 12 Sep 2019 18:29

Instrument :
BNA_F
ClientSampleId :
OK-01-091119

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.8	126.2	189.2
115	67.8	50.2	75.2

Manual Integrations
APPROVED

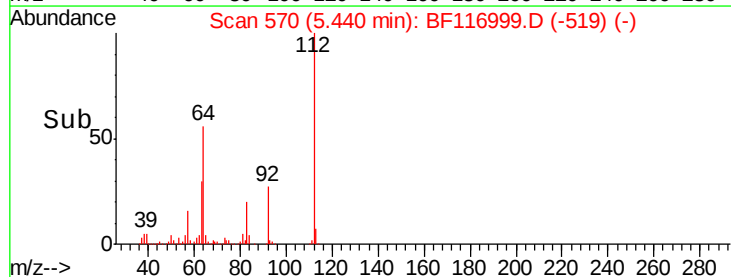
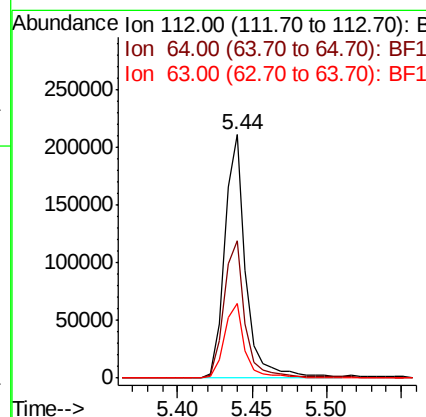
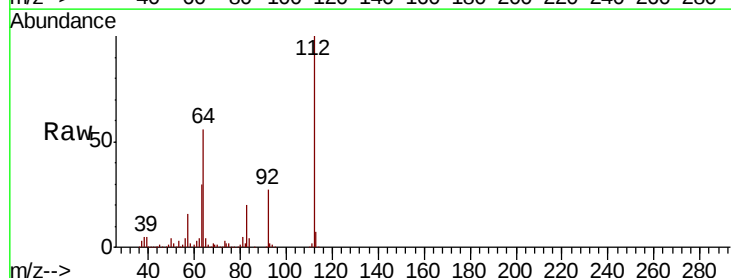
mohammad
9/16/2019 8:59:41 AM



#5

2-Fluorophenol
Concen: 46.602 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF116999.D
Acq: 12 Sep 2019 18:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.1	70.7
63	30.4	25.4	38.0





#7

Phenol-d6

Concen: 49.724 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116999.D

Acq: 12 Sep 2019 18:29

Instrument :

BNA_F

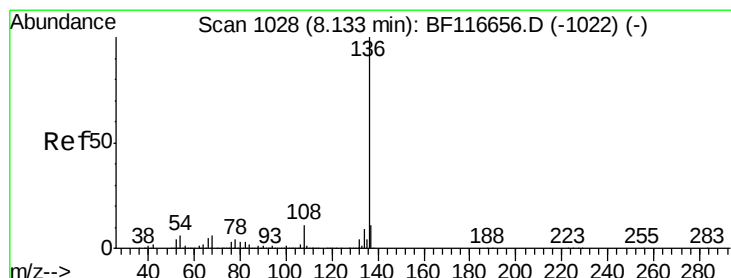
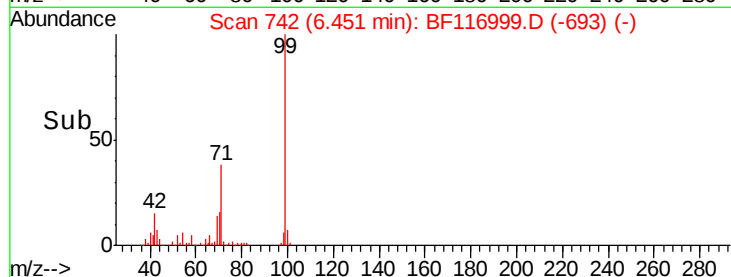
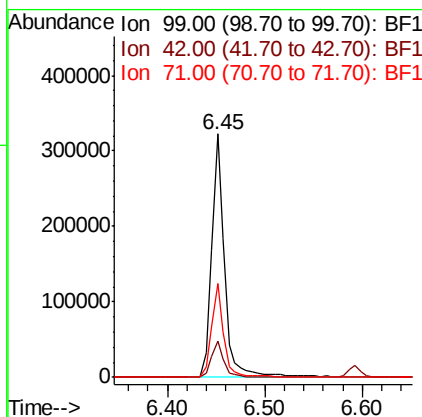
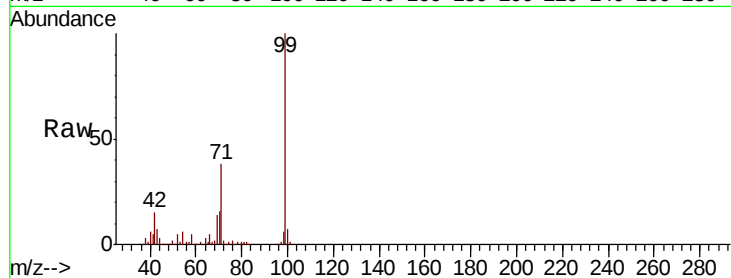
ClientSampleId :

OK-01-091119

Tot Ion:	99	Resp:	294635
Ion Ratio	Lower	Upper	
99	100		
42	14.9	12.0	18.0
71	38.4	29.7	44.5

Manual Integrations
APPROVED

mohammad
9/16/2019 8:59:41 AM



#21

Naphthalene-d8

Concen: 20.000 ng

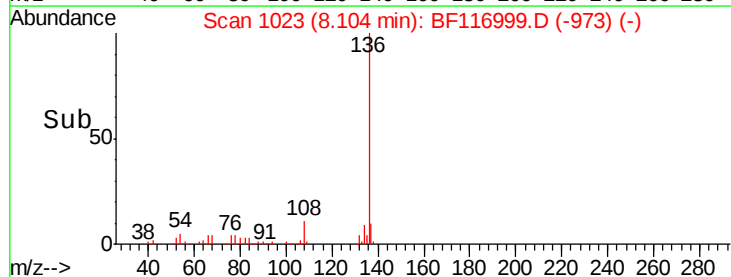
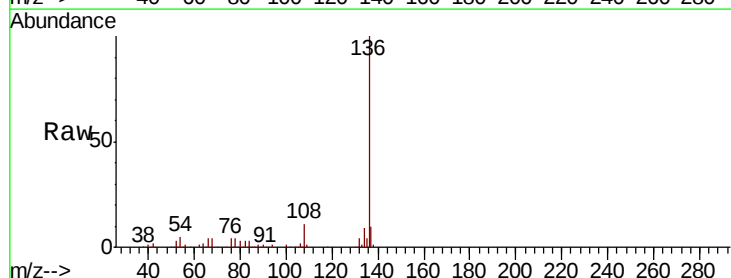
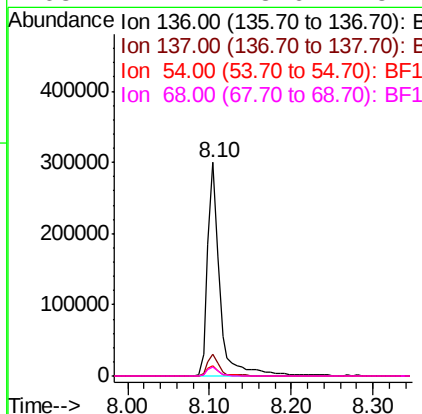
RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF116999.D

Acq: 12 Sep 2019 18:29

Tgt Ion:	136	Resp:	310582
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	5.1	3.8	5.8
68	4.1	3.6	5.4





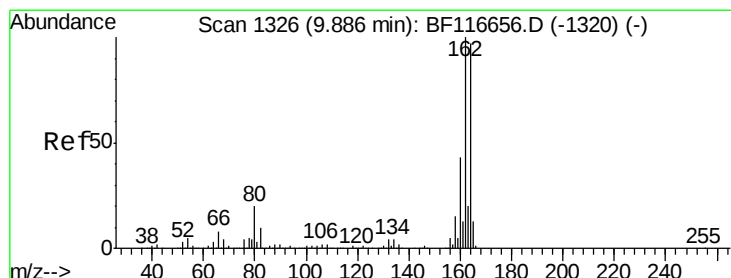
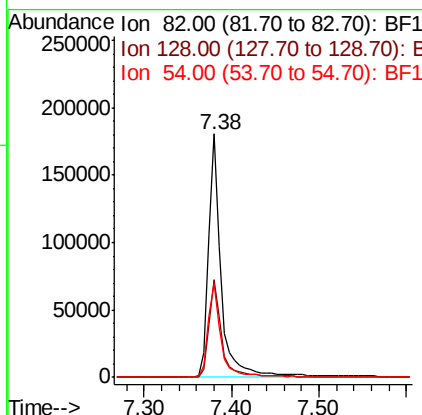
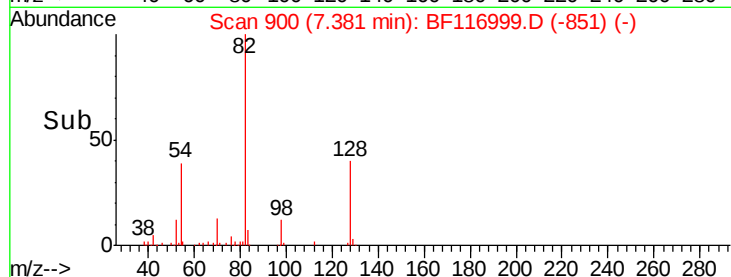
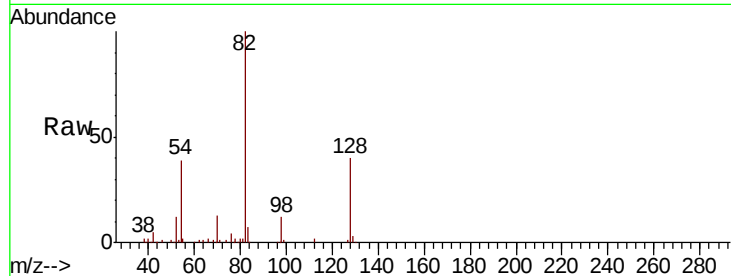
#23
 Nitrobenzene-d5
 Concen: 33.988 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF116999.D
 Acq: 12 Sep 2019 18:29

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-091119

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.1	35.0	52.4	
54	38.8	32.6	48.8	

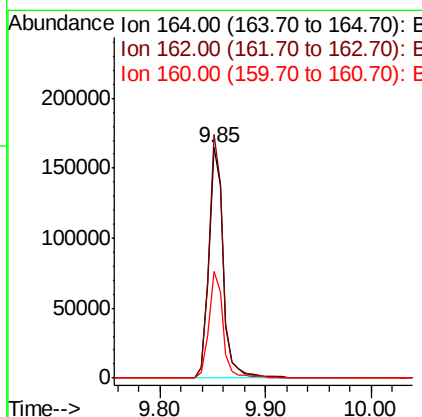
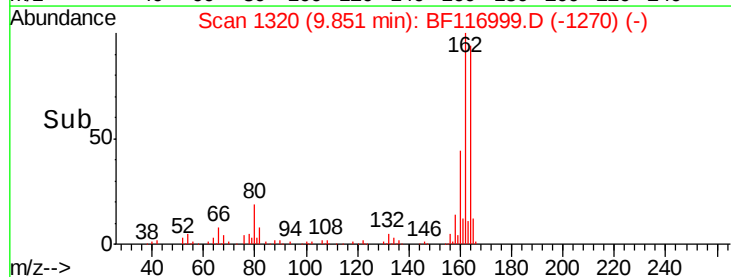
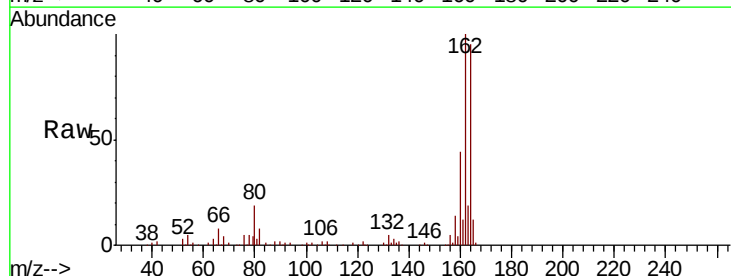
Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:59:41 AM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF116999.D
 Acq: 12 Sep 2019 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.5	81.8	122.6	
160	46.1	35.7	53.5	





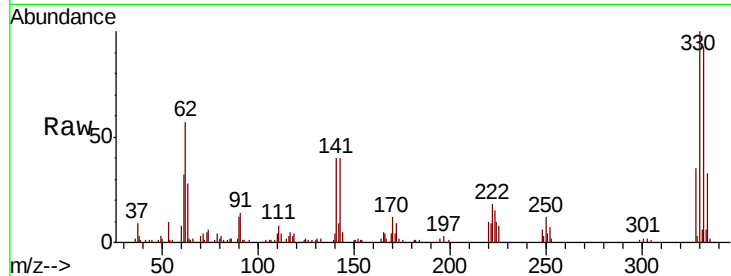
#42
 2,4,6-Tribromophenol
 Concen: 50.639 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF116999.D
 Acq: 12 Sep 2019 18:29

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-091119

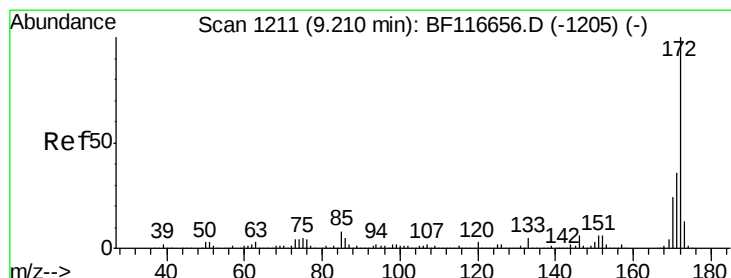
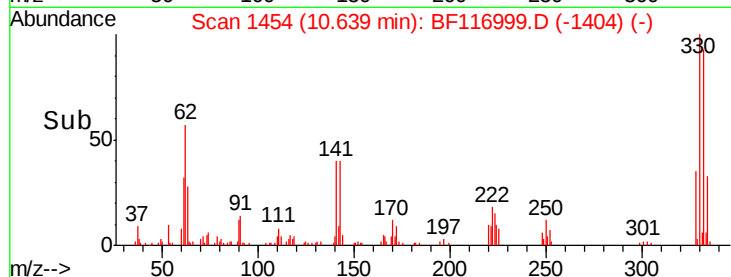
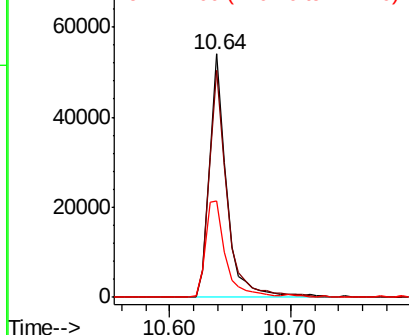
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.9	113.9
141	46.1	35.6	53.4

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:59:41 AM

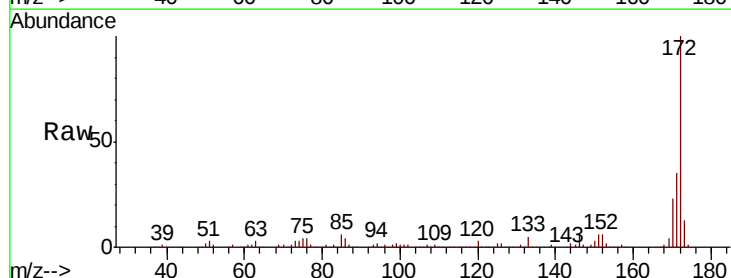


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

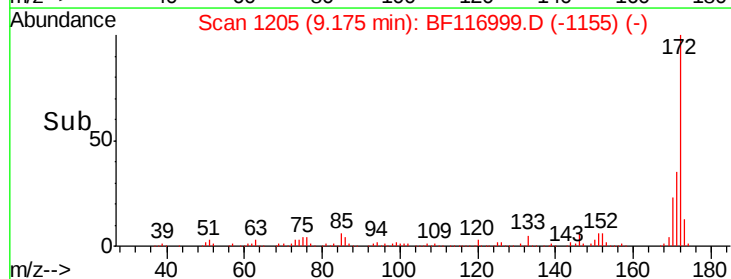
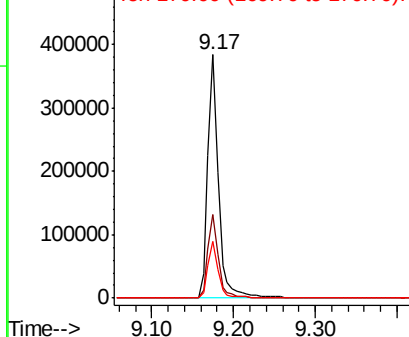


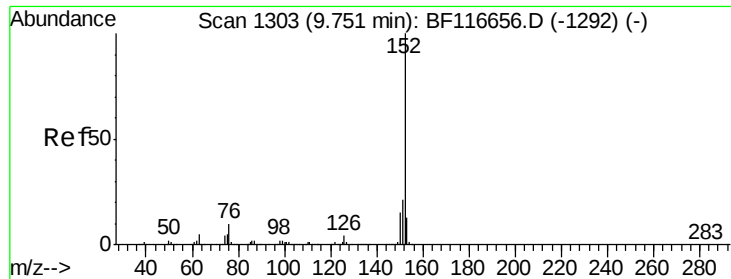
#45
 2-Fluorobiphenyl
 Concen: 37.895 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF116999.D
 Acq: 12 Sep 2019 18:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.1	43.7
170	23.1	19.2	28.8



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





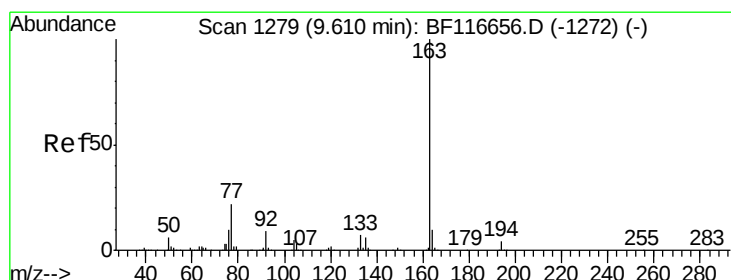
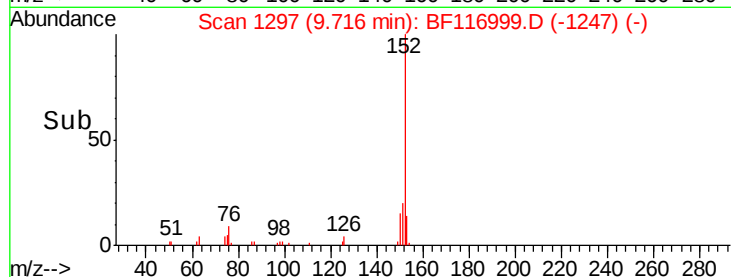
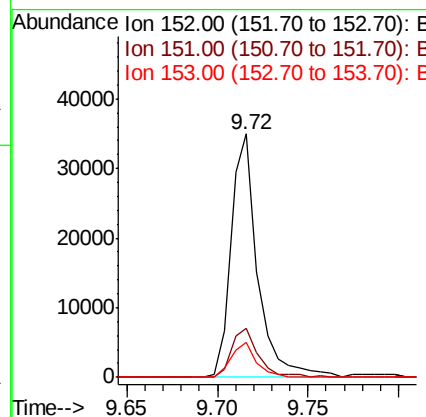
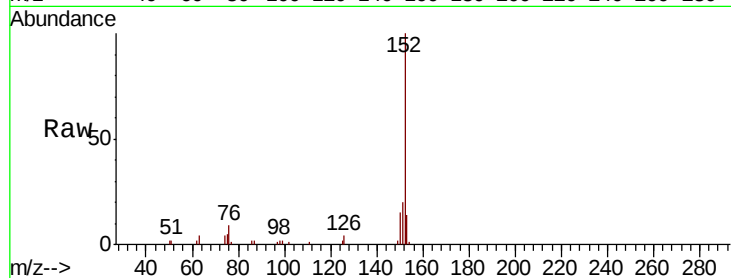
#49
Acenaphthylene
Concen: 2.491 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF116999.D
Acq: 12 Sep 2019 18:29

Instrument :
BNA_F
ClientSampleId :
OK-01-091119

Tot Ion:	152	Resp:	35561
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.1	24.1
153	14.4	10.3	15.5

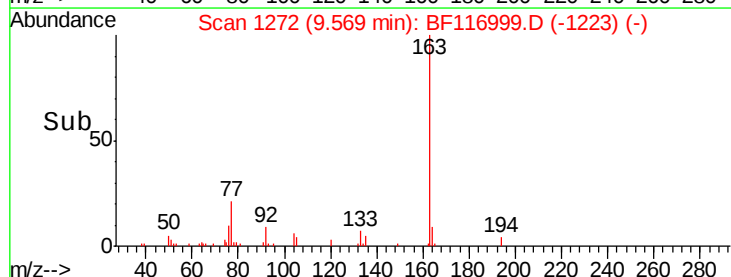
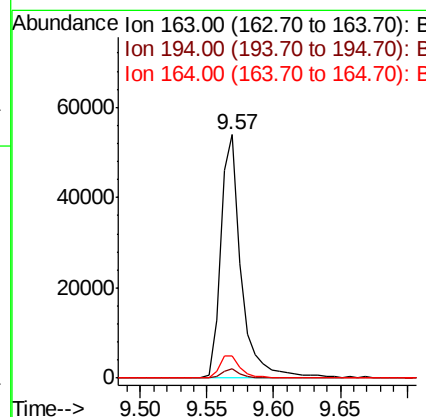
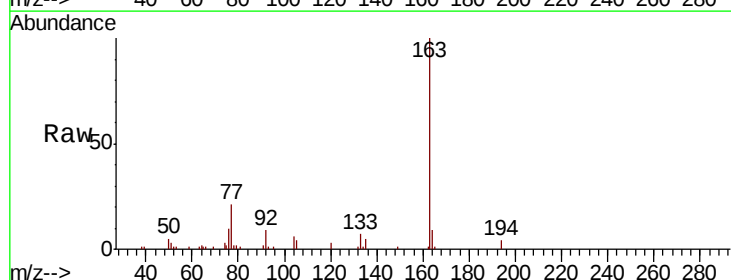
Manual Integrations
APPROVED

mohammad
9/16/2019 8:59:41 AM



#50
Dimethylphthalate
Concen: 5.385 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF116999.D
Acq: 12 Sep 2019 18:29

Tgt Ion:	163	Resp:	58429
Ion Ratio	Lower	Upper	
163	100		
194	4.0	2.7	4.1
164	9.2	8.2	12.4





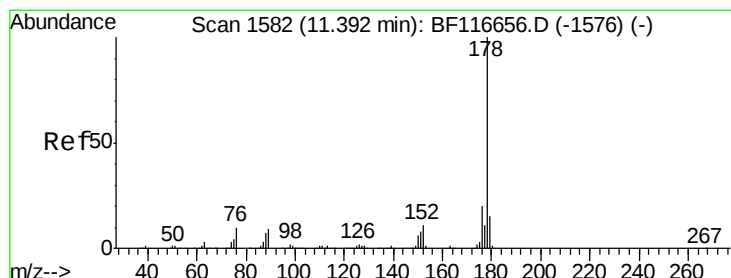
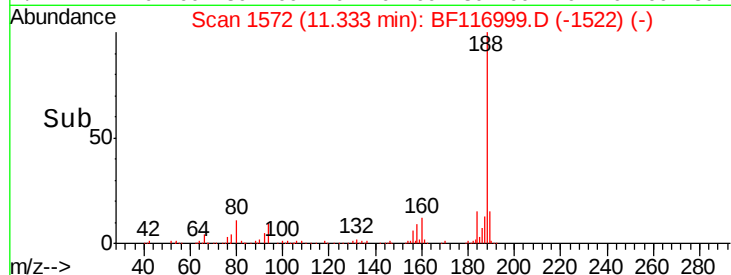
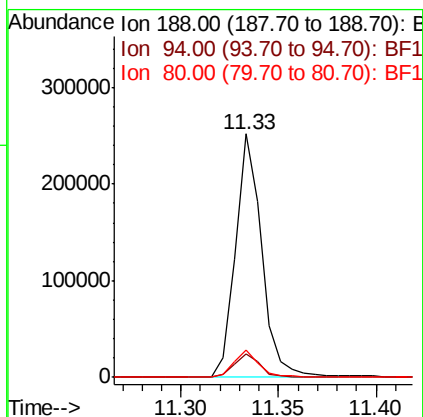
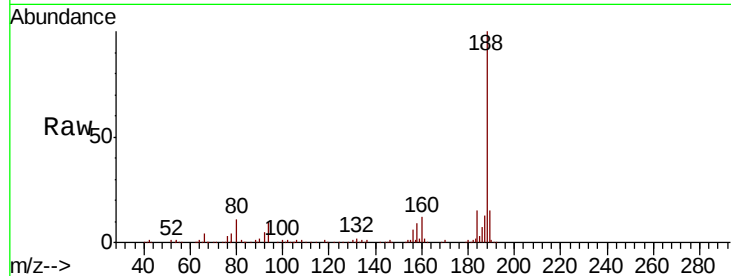
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF116999.D
Acq: 12 Sep 2019 18:29

Instrument :
BNA_F
ClientSampleId :
OK-01-091119

Tot Ion	Ratio	Resp	Lower	Upper
188	100	235164		
94	9.6		7.4	11.2
80	11.1		8.5	12.7

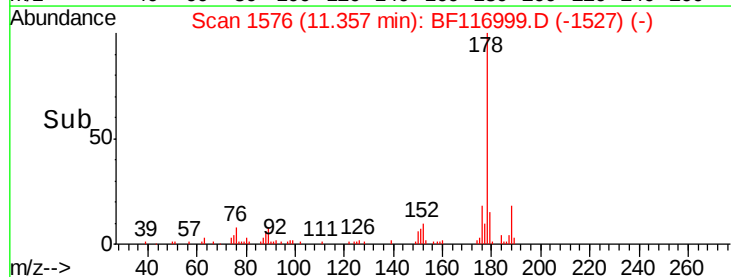
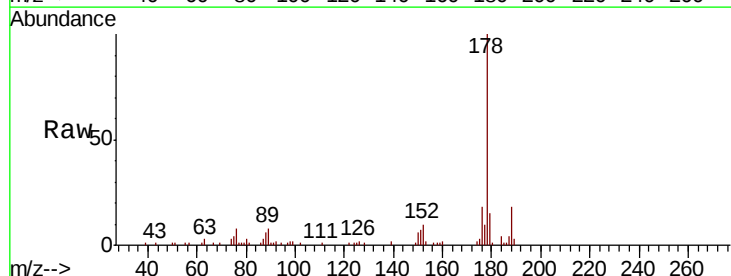
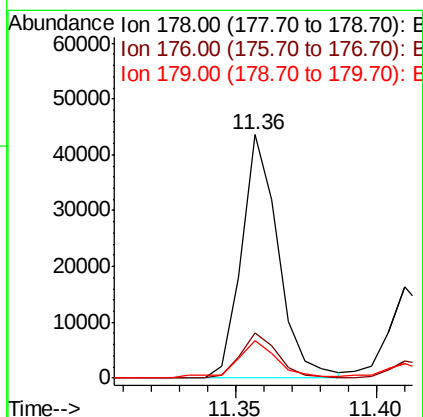
Manual Integrations
APPROVED

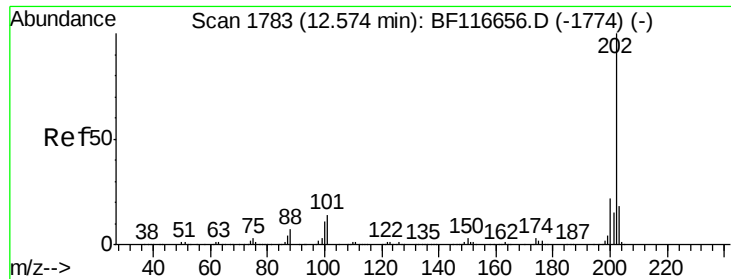
mohammad
9/16/2019 8:59:41 AM



#71
Phenanthrene
Concen: 3.015 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116999.D
Acq: 12 Sep 2019 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	39467		
176	18.4		15.7	23.5
179	15.3		12.0	18.0





#75

Fluoranthene

Concen: 10.653 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF116999.D

Acq: 12 Sep 2019 18:29

Instrument :

BNA_F

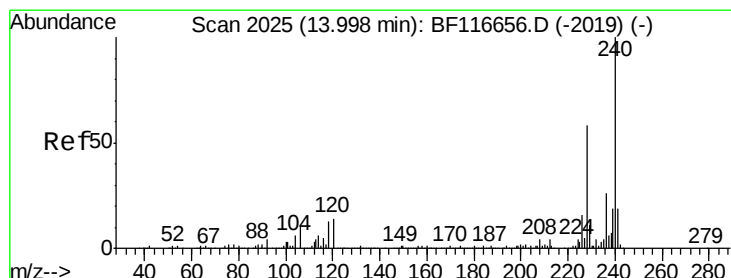
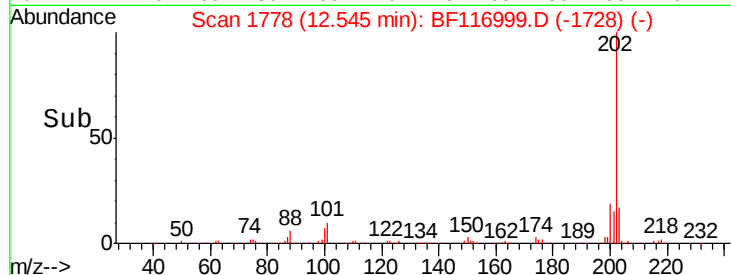
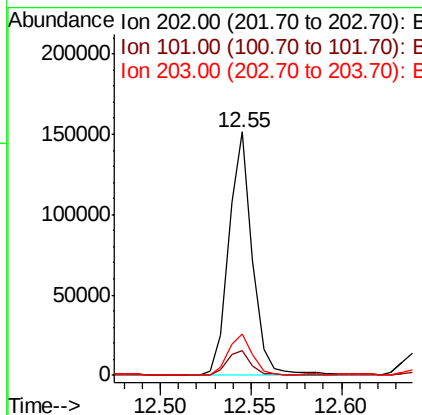
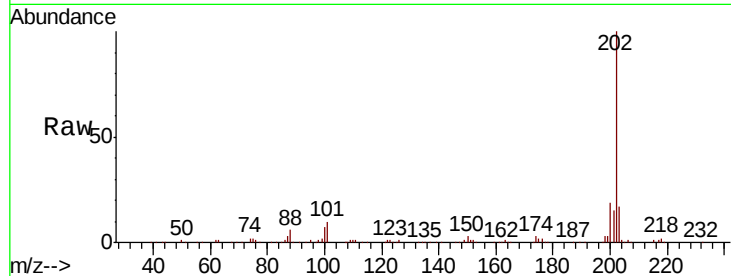
ClientSampleId :

OK-01-091119

Tot Ion:	202	Resp:	137052
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	32.0
203	17.2	0.0	37.5

Manual Integrations
APPROVED

mohammad
9/16/2019 8:59:41 AM



#76

Chrysene-d12

Concen: 20.000 ng

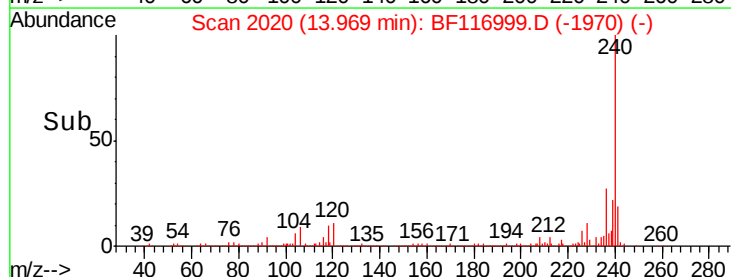
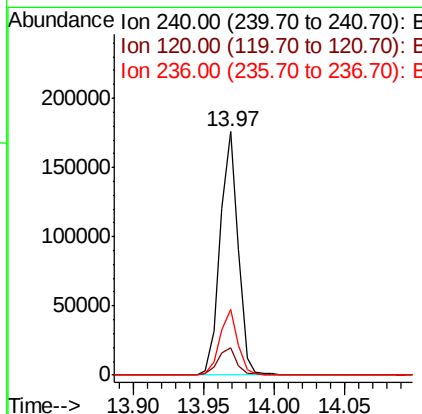
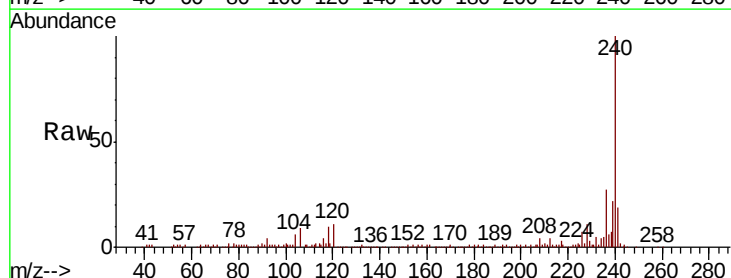
RT: 13.97 min Scan# 2020

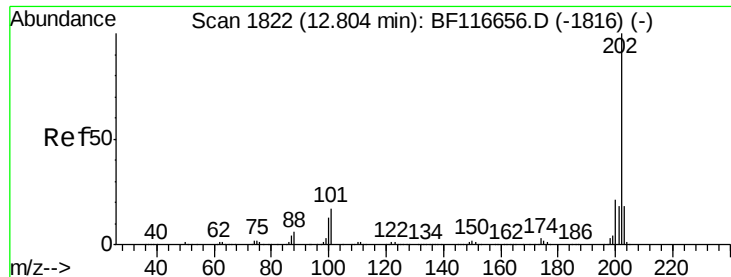
Delta R.T. -0.01 min

Lab File: BF116999.D

Acq: 12 Sep 2019 18:29

Tgt Ion:	240	Resp:	155977
Ion Ratio	Lower	Upper	
240	100		
120	11.2	9.1	13.7
236	27.0	20.9	31.3





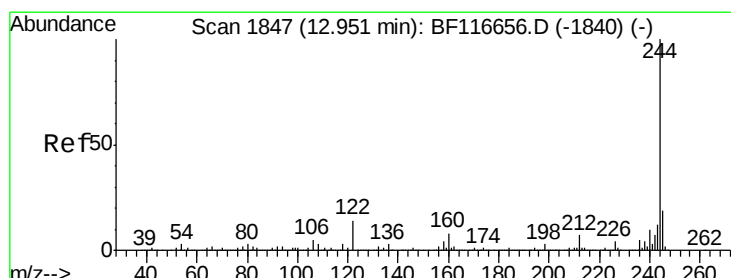
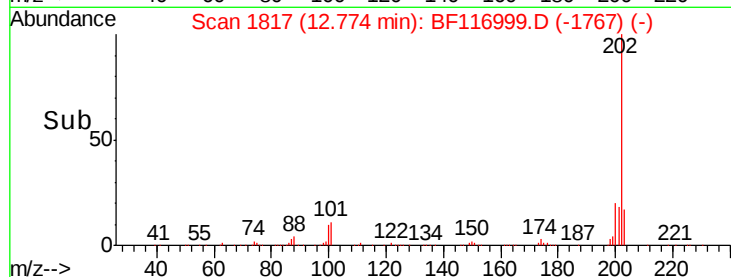
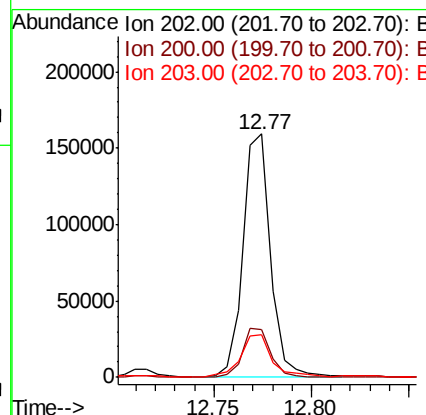
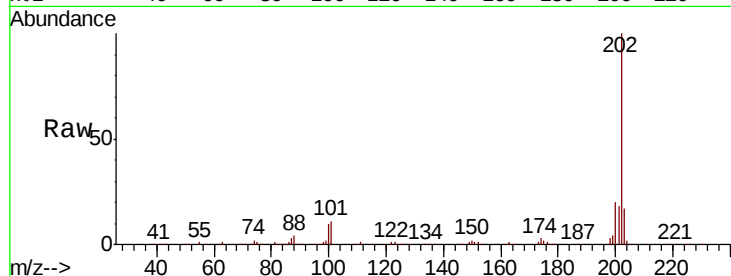
#78
Pvrene
Concen: 11.186 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF116999.D
Acq: 12 Sep 2019 18:29

Instrument :
BNA_F
ClientSampleId :
OK-01-091119

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.2	25.8
203	17.4	14.2	21.2

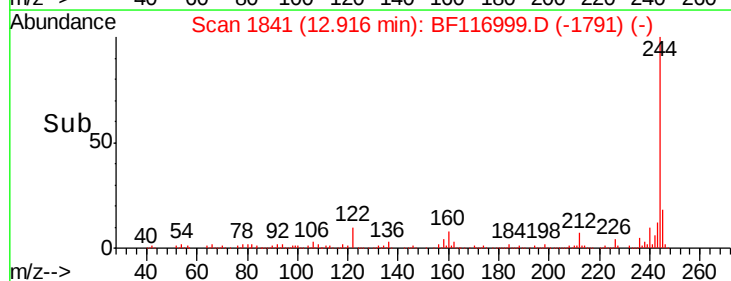
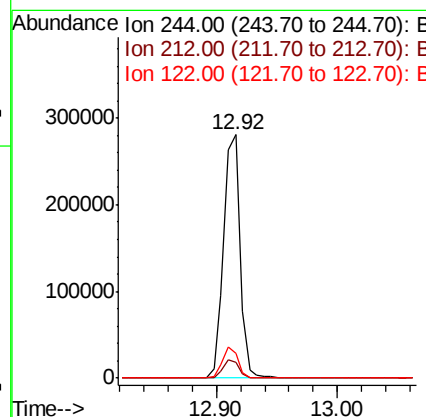
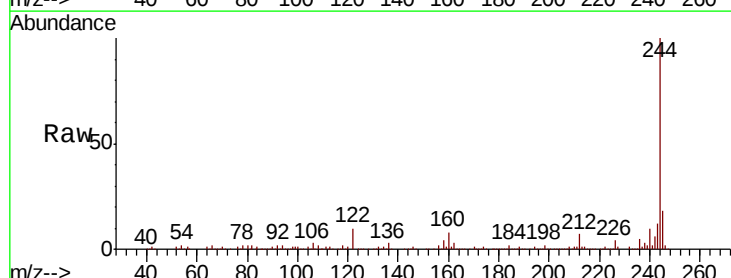
Manual Integrations
APPROVED

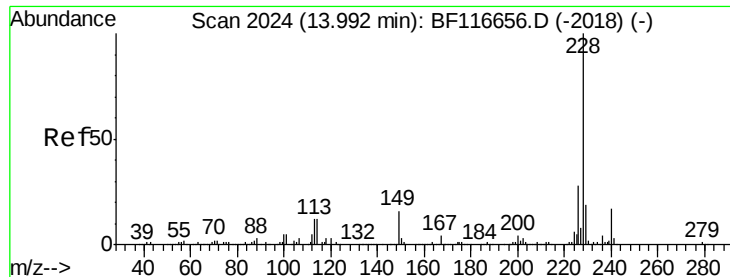
mohammad
9/16/2019 8:59:41 AM



#79
Terphenyl-d14
Concen: 31.311 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF116999.D
Acq: 12 Sep 2019 18:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	10.0	11.5	17.3#





#81

Benzo(a)anthracene

Concen: 9.795 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF116999.D

Acq: 12 Sep 2019 18:29

Instrument :

BNA_F

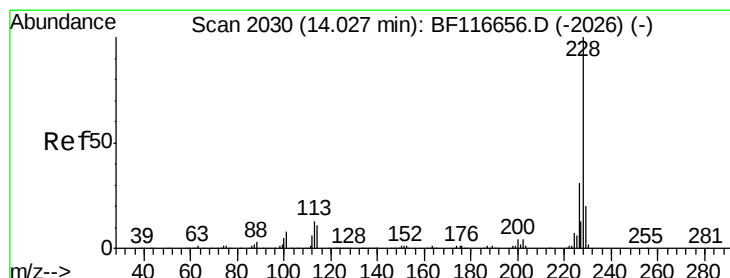
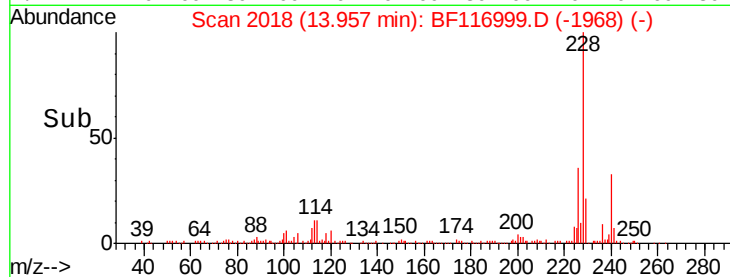
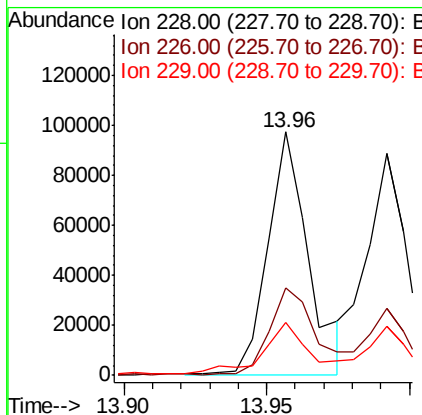
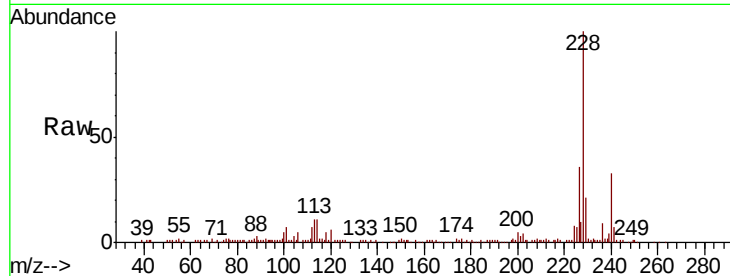
ClientSampleId :

OK-01-091119

Tot Ion:	228	Resp:	96695
Ion Ratio		Lower	Upper
228	100		
226	36.1	22.3	33.5#
229	21.5	15.8	23.8

Manual Integrations
APPROVED

mohammad
9/16/2019 8:59:41 AM



#83

Chrysene

Concen: 8.532 ng

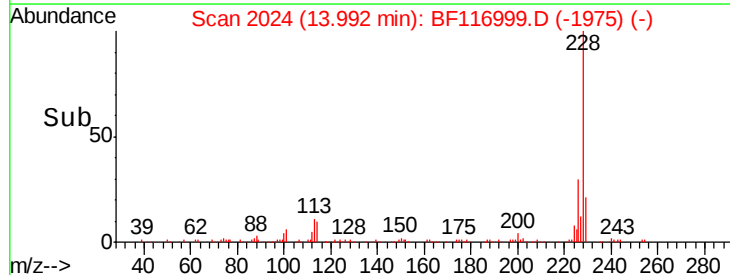
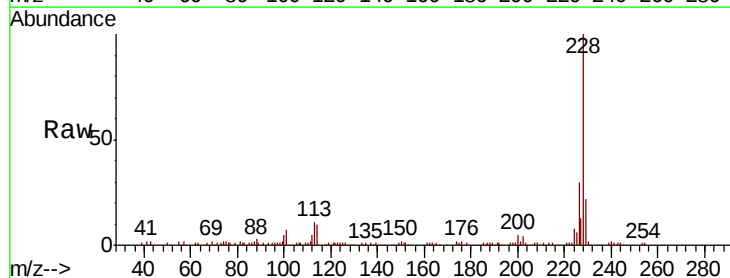
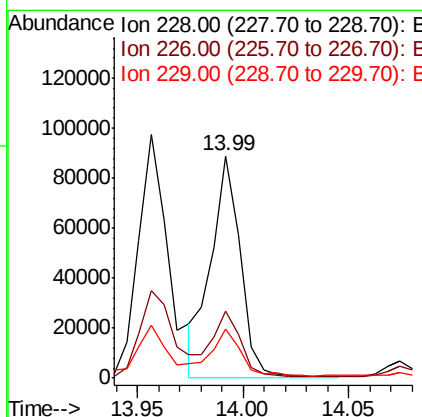
RT: 13.99 min Scan# 2024

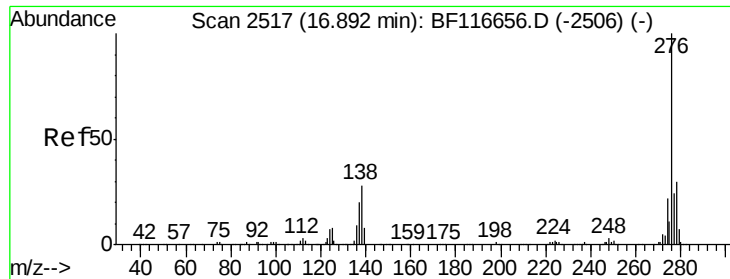
Delta R.T. -0.01 min

Lab File: BF116999.D

Acq: 12 Sep 2019 18:29

Tgt Ion:	228	Resp:	86773
Ion Ratio		Lower	Upper
228	100		
226	30.3	24.5	36.7
229	22.2	15.7	23.5





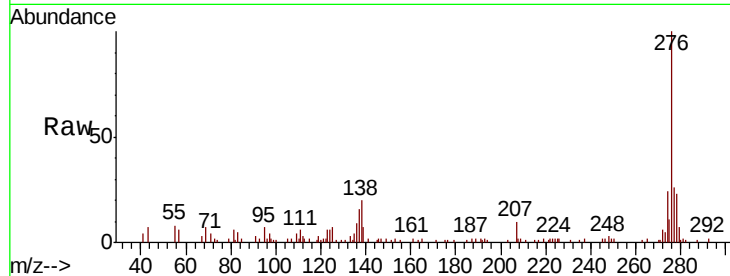
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.651 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.01 min
Lab File: BF116999.D
Acq: 12 Sep 2019 18:29

Instrument :
BNA_F
ClientSampleId :
OK-01-091119

Tot Ion:	276	Resp:	54334
Ion Ratio	Lower	Upper	
276	100		
138	23.9	20.6	31.0
277	24.3	19.9	29.9

Manual Integrations
APPROVED

mohammad
9/16/2019 8:59:41 AM

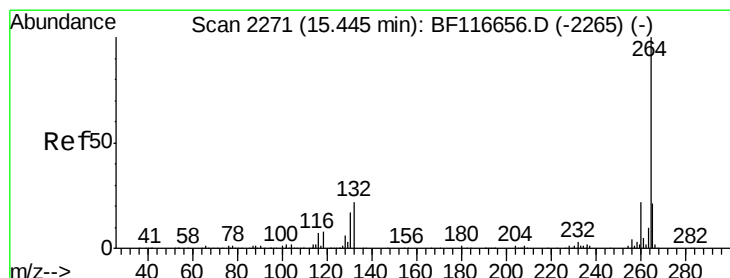
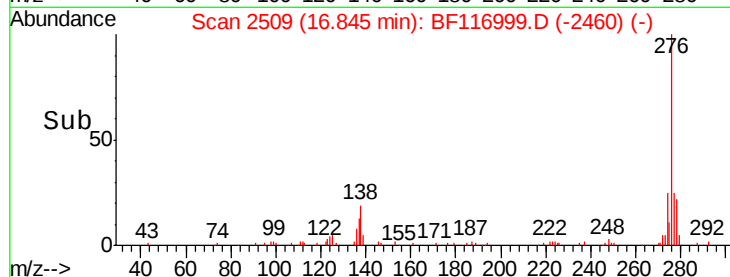
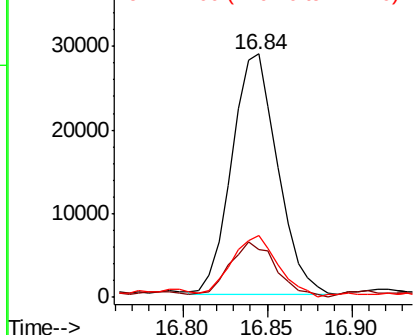


Abundance

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: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF116999.D
Acq: 12 Sep 2019 18:29

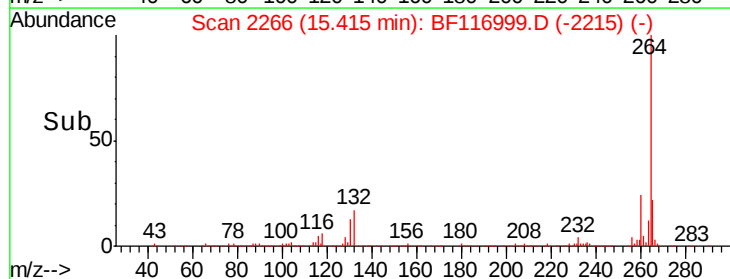
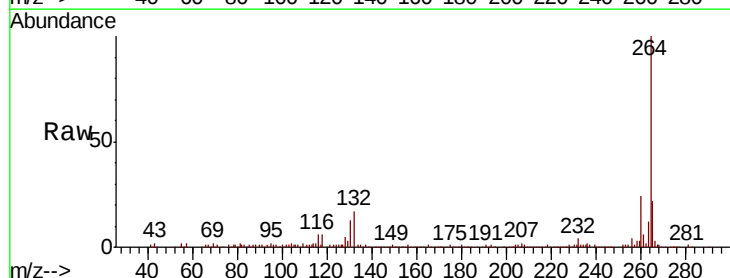
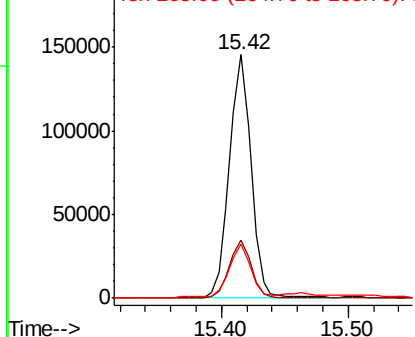
Tgt Ion:	264	Resp:	171119
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.0	28.4
265	22.1	17.9	26.9

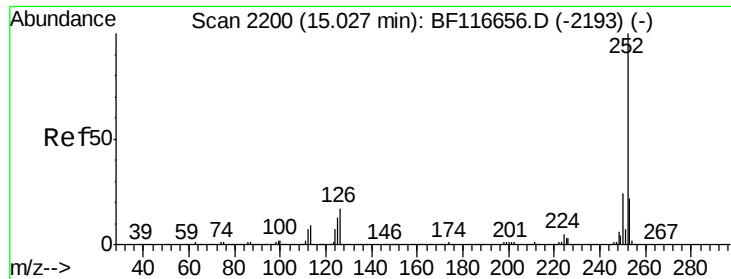
Abundance

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





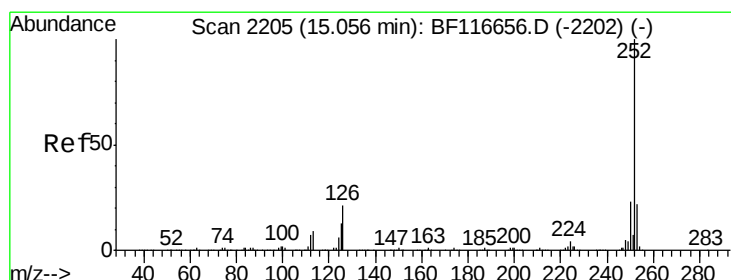
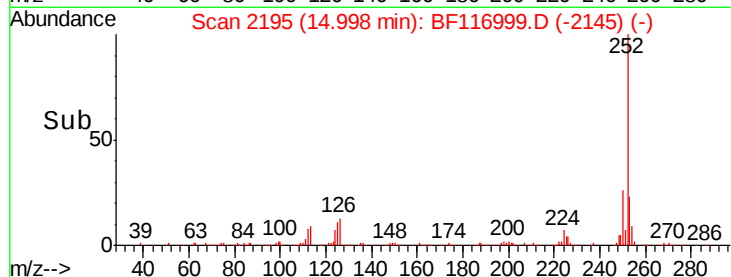
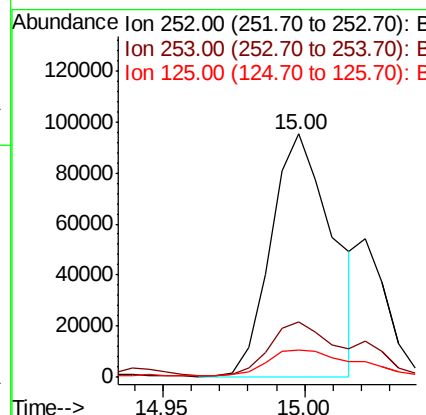
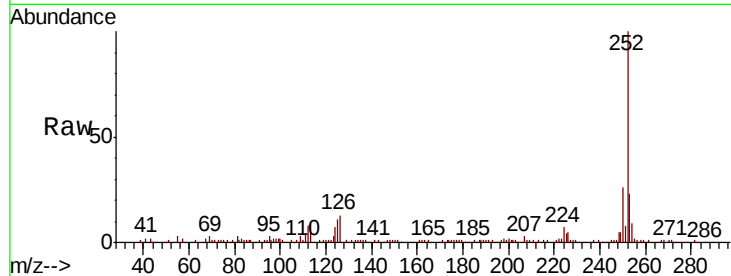
#88
Benzo(b)fluoranthene
Concen: 14.040 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF116999.D
Acq: 12 Sep 2019 18:29

Instrument :
BNA_F
ClientSampleId :
OK-01-091119

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	11.4	8.3	12.5

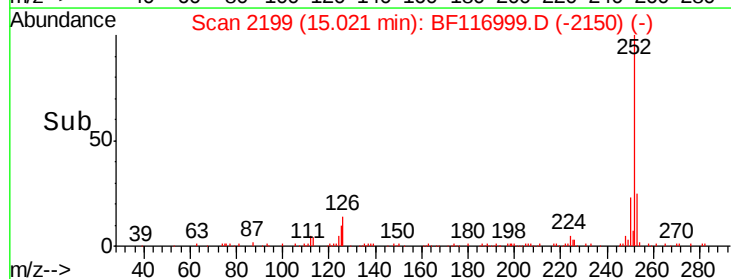
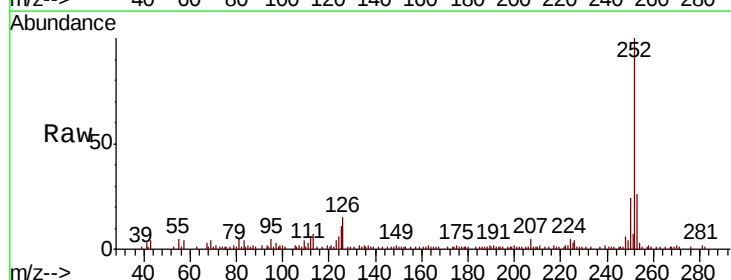
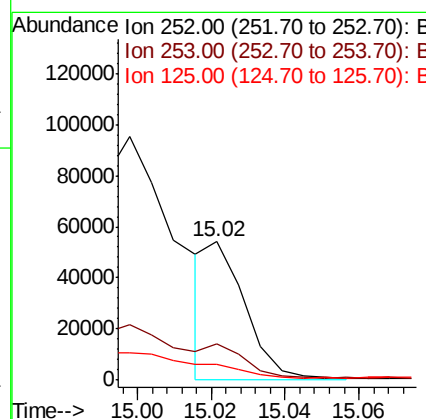
Manual Integrations
APPROVED

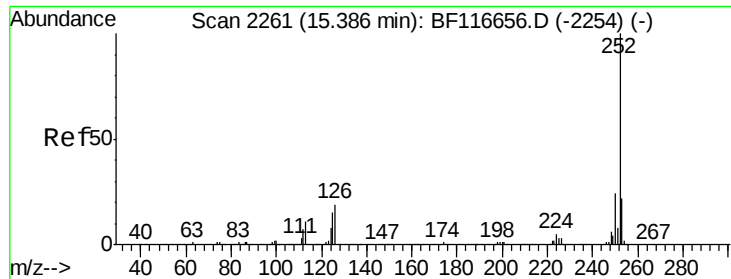
mohammad
9/16/2019 8:59:41 AM



#89
Benzo(k)fluoranthene
Concen: 4.182 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116999.D
Acq: 12 Sep 2019 18:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	16.8	25.2#
125	11.3	7.6	11.4





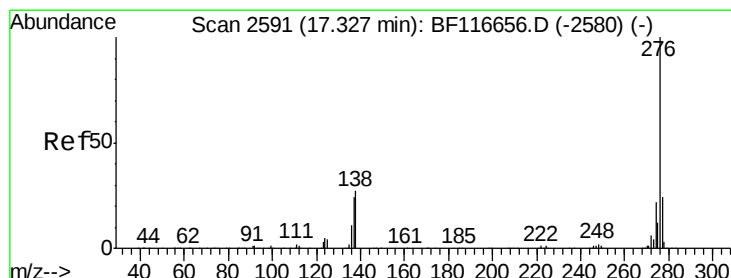
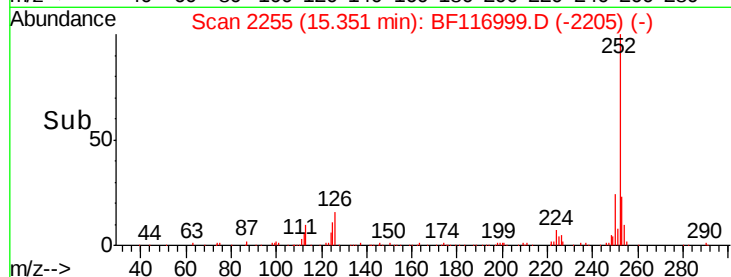
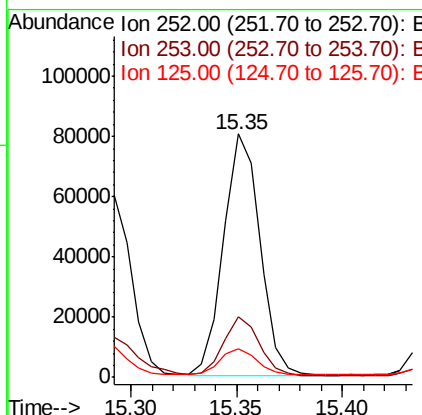
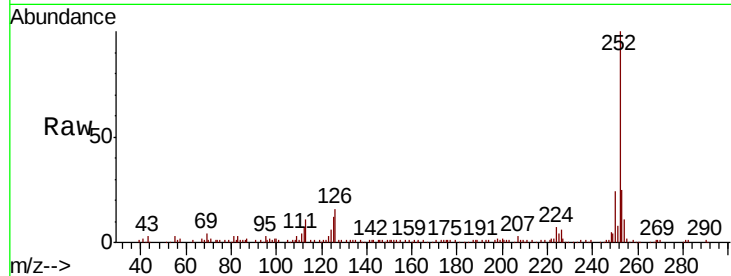
#90
Benzo(a)pyrene
Concen: 10.734 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BF116999.D
Acq: 12 Sep 2019 18:29

Instrument :
BNA_F
ClientSampleId :
OK-01-091119

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.6	26.4
125	11.6	10.2	15.2

Manual Integrations
APPROVED

mohammad
9/16/2019 8:59:41 AM



#92
Benzo(g,h,i)perylene
Concen: 6.219 ng
RT: 17.27 min Scan# 2582
Delta R.T. -0.01 min
Lab File: BF116999.D
Acq: 12 Sep 2019 18:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.0	28.6
138	24.1	18.7	28.1

