

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
 Data File : BF112370.D
 Acq On : 2 Feb 2019 1:06
 Operator : JU/SJ
 Sample : K1011-13 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-013119-A

Manual Integrations
 APPROVED

apatel
 2/4/2019 12:43:42 PM

Quant Time: Feb 02 01:34:49 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	6.83	152	147686	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	559663	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	246026	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	384003	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	322143	20.00	ng	0.00
87) Perylene-d12	15.47	264	351119	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	206492	29.70	ng	-0.01
7) Phenol-d6	6.48	99	259908	26.90	ng	-0.01
23) Nitrobenzene-d5	7.40	82	149227	15.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	55276	19.30	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	318526	18.31	ng	-0.01
79) Terphenyl-d14	12.94	244	225416	13.18	ng	-0.01
Target Compounds						
71) Phenanthrene	11.38	178	114064	5.714	ng	98
75) Fluoranthene	12.57	202	105877	4.945	ng	98
78) Pyrene	12.80	202	94265	4.226	ng	98
81) Benzo(a)anthracene	13.99	228	46530	2.457	ng	98
83) Chrysene	14.03	228	39616m	2.192	ng	
88) Benzo(b)fluoranthene	15.04	252	56563m	2.694	ng	
90) Benzo(a)pyrene	15.41	252	40336	2.135	ng	# 89

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

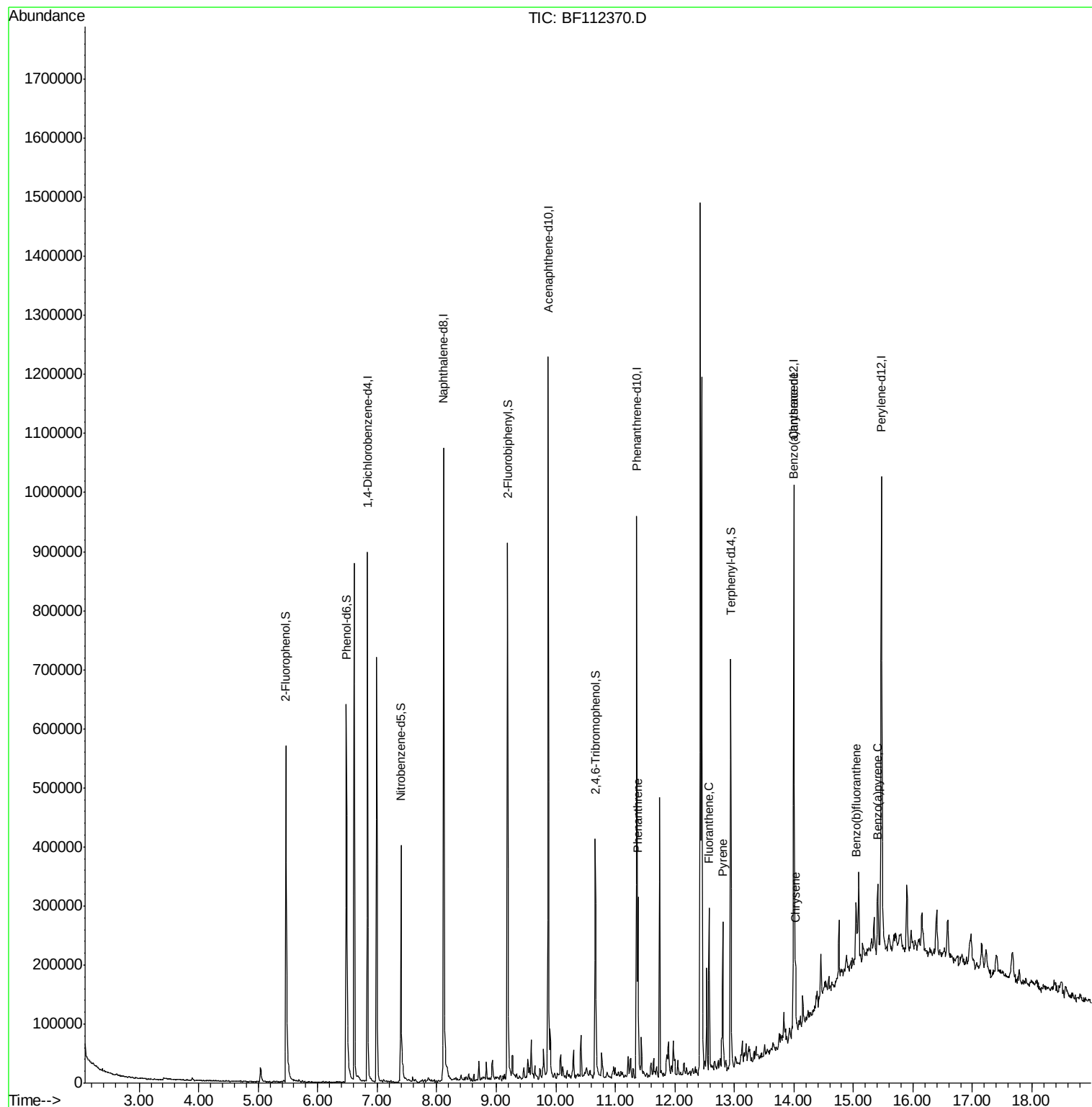
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
Data File : BF112370.D
Acq On : 2 Feb 2019 1:06
Operator : JU/SJ
Sample : K1011-13 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

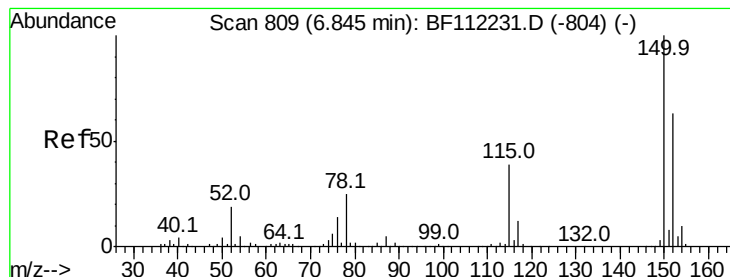
Instrument :
BNA_F
ClientSampleId :
OR-02-013119-A

Manual Integrations
APPROVED

apatel
2/4/2019 12:43:42 PM

Quant Time: Feb 02 01:34:49 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

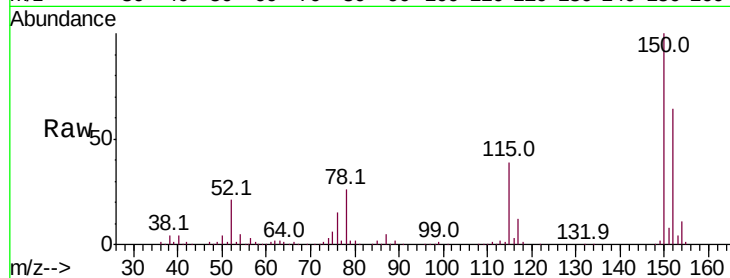
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112370.D
Acq: 2 Feb 2019 1:06

Instrument :
BNA_F
ClientSampleId :
OR-02-013119-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	127.4	191.0
115	61.3	45.5	68.3

Manual Integrations
APPROVED

apatel
2/4/2019 12:43:42 PM

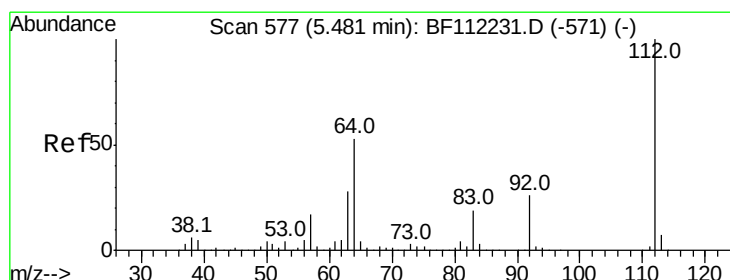
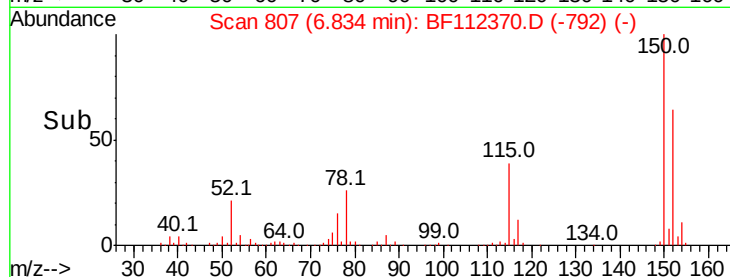
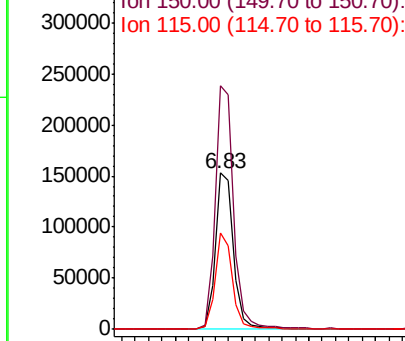


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

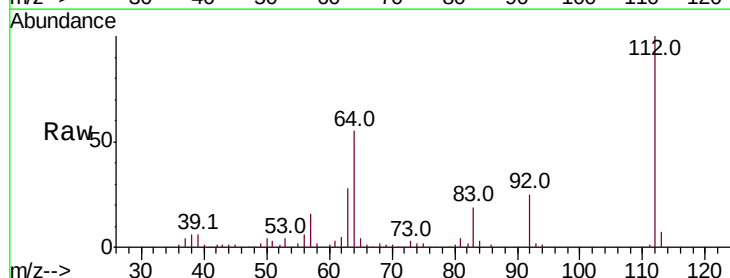
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 29.698 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112370.D
Acq: 2 Feb 2019 1:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	45.7	68.5
63	28.5	23.6	35.4

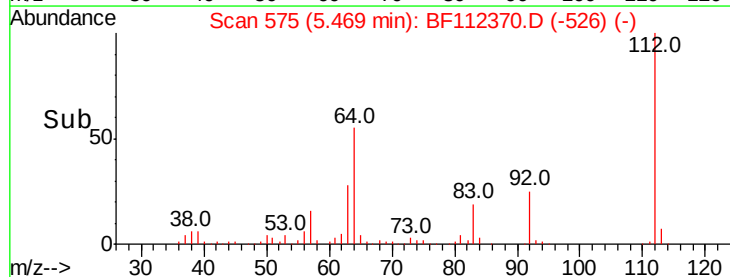
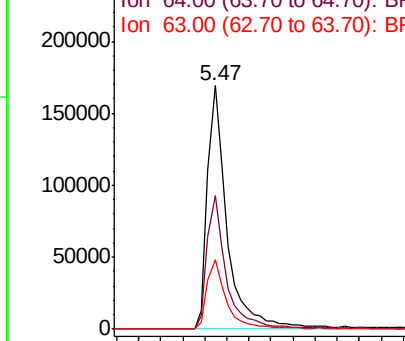


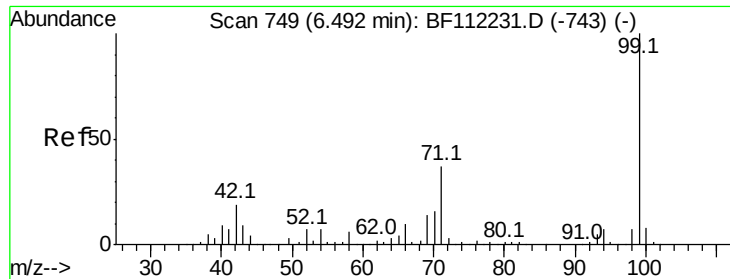
Abundance

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: 26.901 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112370.D

Acq: 2 Feb 2019 1:06

Instrument :

BNA_F

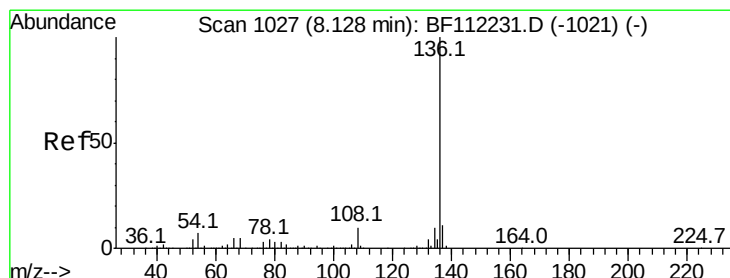
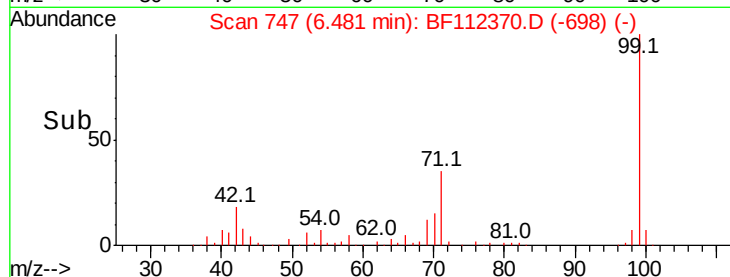
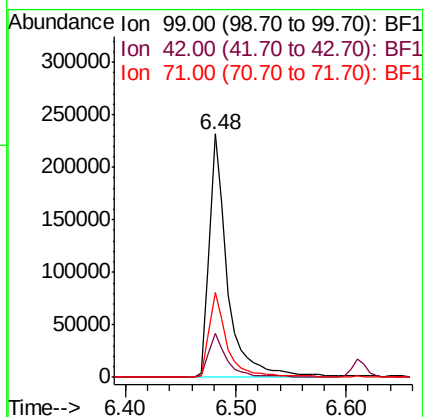
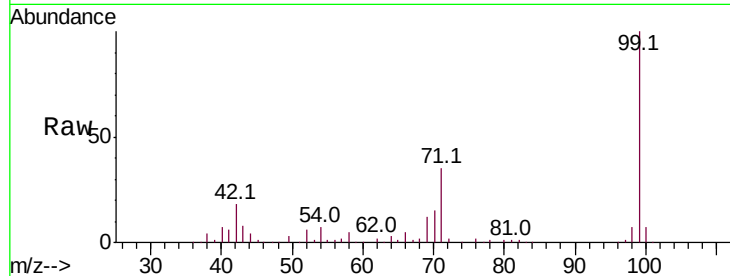
ClientSampleId :

OR-02-013119-A

Tot Ion:	99	Resp:	259908
Ion Ratio	Lower	Upper	
99	100		
42	18.0	15.1	22.7
71	35.1	26.9	40.3

Manual Integrations
APPROVED

apatel
2/4/2019 12:43:42 PM



#21

Naphthalene-d8

Concen: 20.000 ng

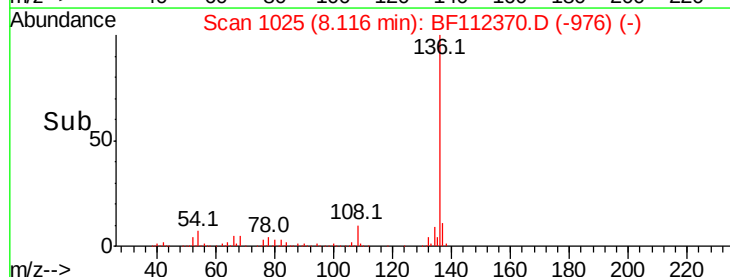
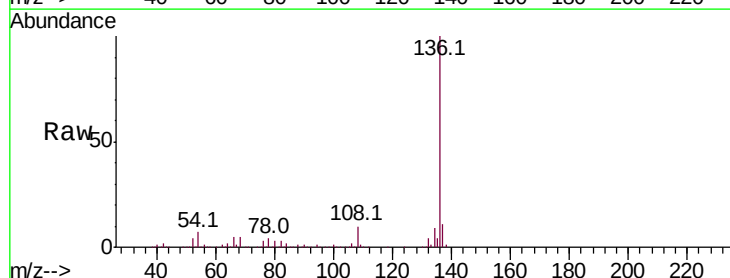
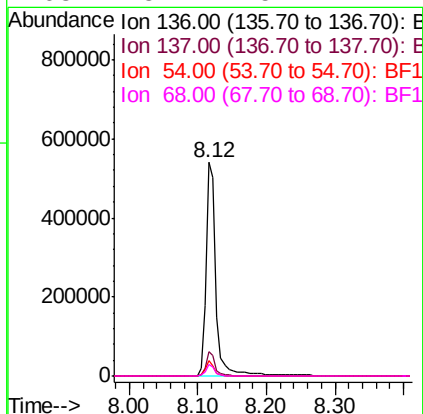
RT: 8.12 min Scan# 1025

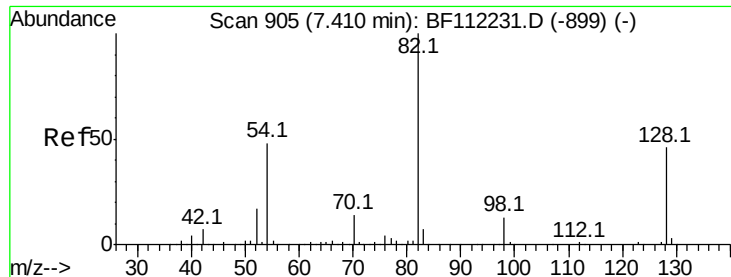
Delta R.T. -0.01 min

Lab File: BF112370.D

Acq: 2 Feb 2019 1:06

Tgt Ion:	136	Resp:	559663
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	7.0	5.9	8.9
68	5.2	5.1	7.7





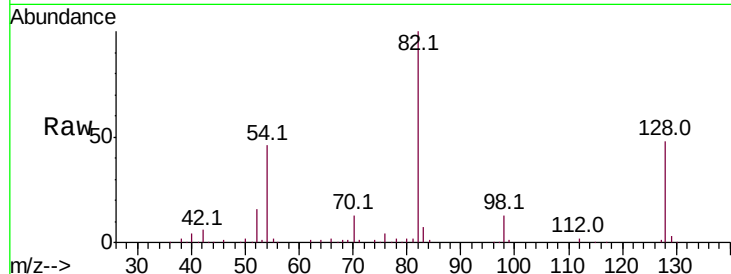
#23
 Nitrobenzene-d5
 Concen: 15.364 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112370.D
 Acq: 2 Feb 2019 1:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-013119-A

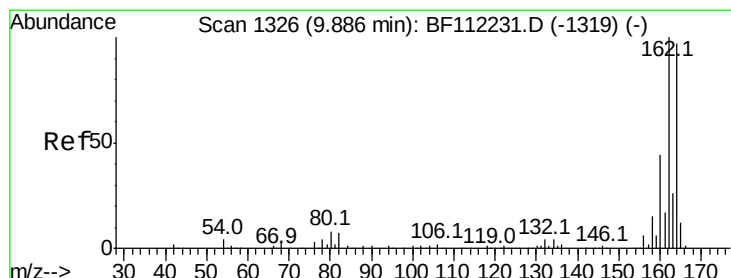
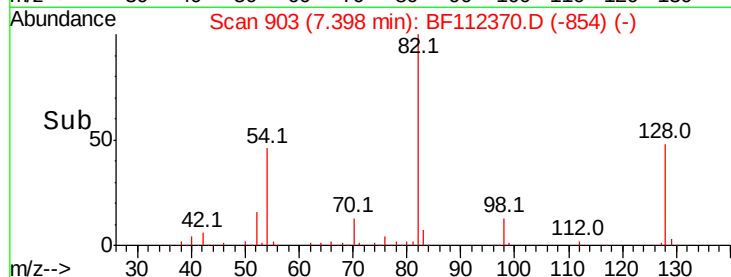
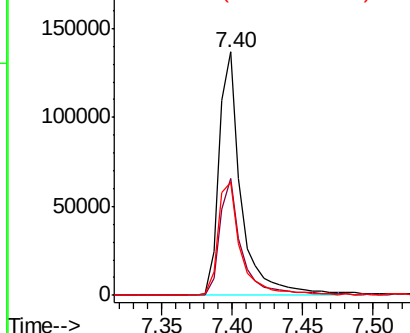
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.8	56.8
54	46.4	39.7	59.5

Manual Integrations
 APPROVED

apatel
 2/4/2019 12:43:42 PM



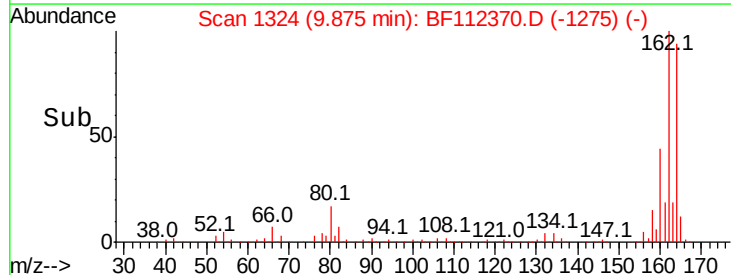
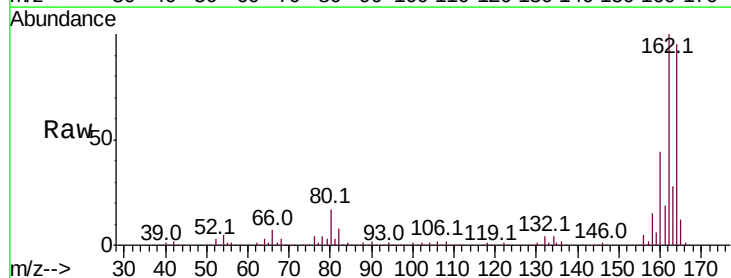
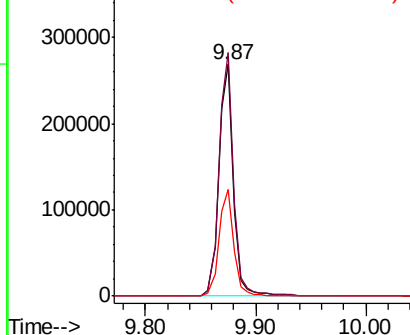
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

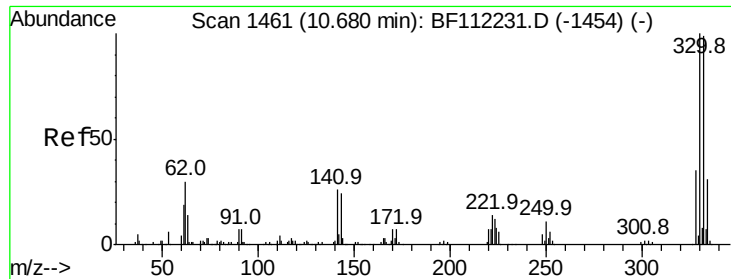


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF112370.D
 Acq: 2 Feb 2019 1:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	82.2	123.4
160	46.2	36.2	54.4

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: 19.302 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112370.D

Acq: 2 Feb 2019 1:06

Instrument :

BNA_F

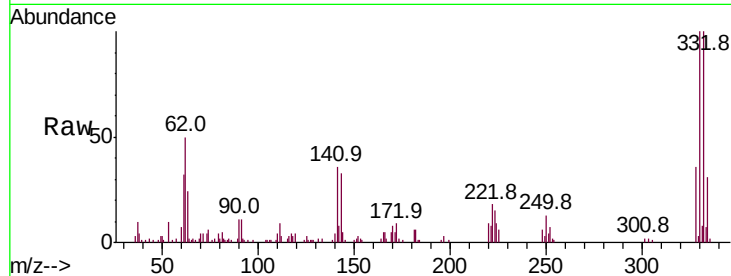
ClientSampleId :

OR-02-013119-A

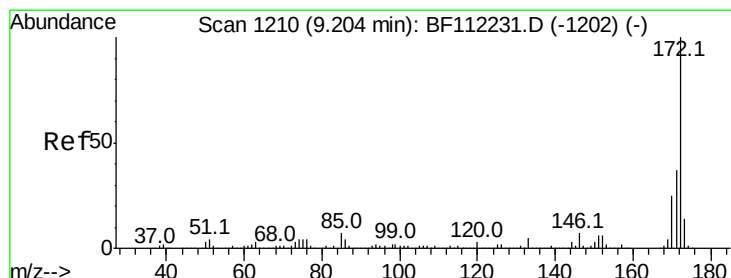
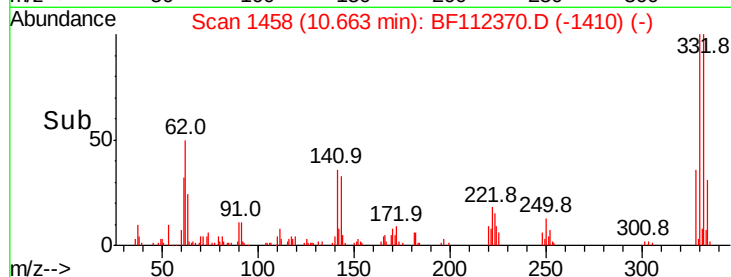
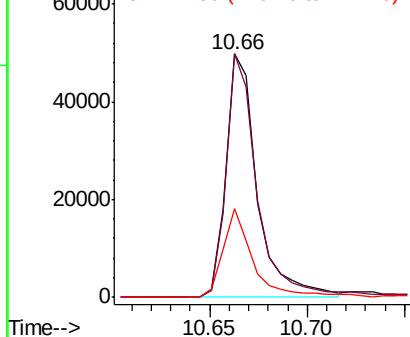
Tot Ion:	330	Resp:	55276
Ion Ratio	Lower	Upper	
330	100		
332	101.4	76.6	114.8
141	35.1	24.3	36.5

Manual Integrations
APPROVED

apatel
2/4/2019 12:43:42 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: 18.311 ng

RT: 9.19 min Scan# 1208

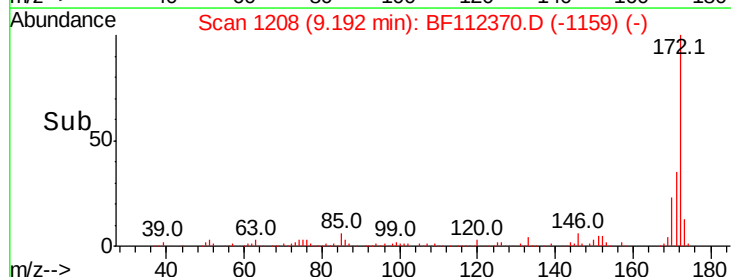
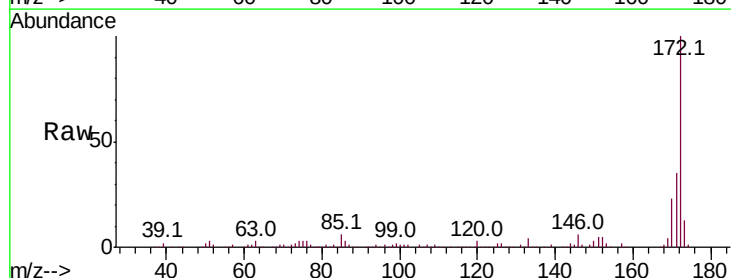
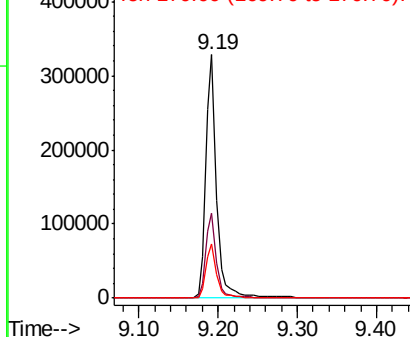
Delta R.T. -0.01 min

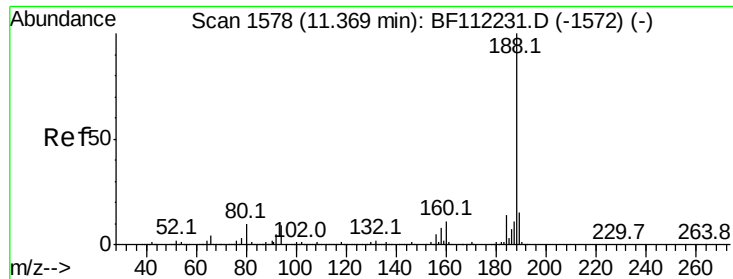
Lab File: BF112370.D

Acq: 2 Feb 2019 1:06

Tgt Ion:	172	Resp:	318526
Ion Ratio	Lower	Upper	
172	100		
171	34.8	30.5	45.7
170	22.5	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





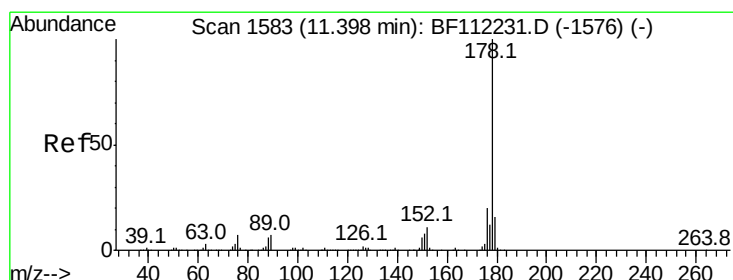
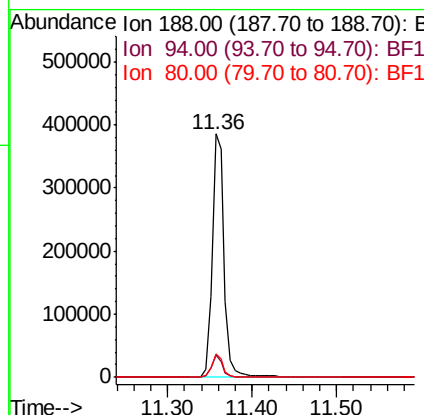
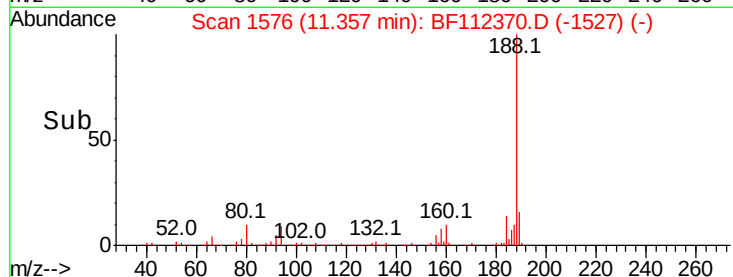
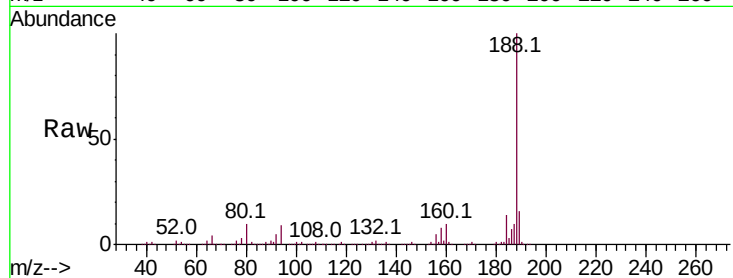
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112370.D
Acq: 2 Feb 2019 1:06

Instrument :
BNA_F
ClientSampleId :
OR-02-013119-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.4	8.2	12.2	
80	9.9	8.9	13.3	

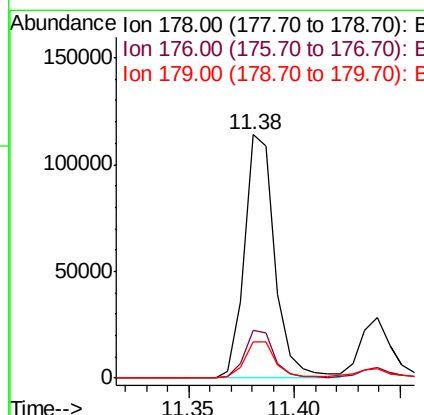
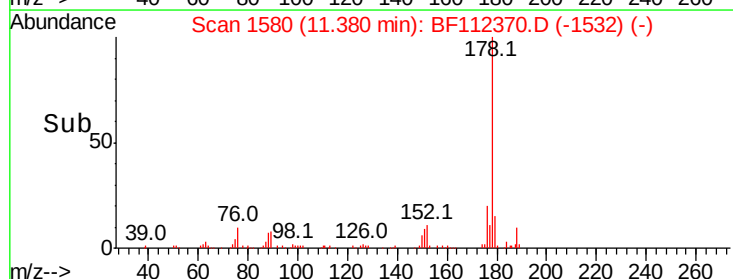
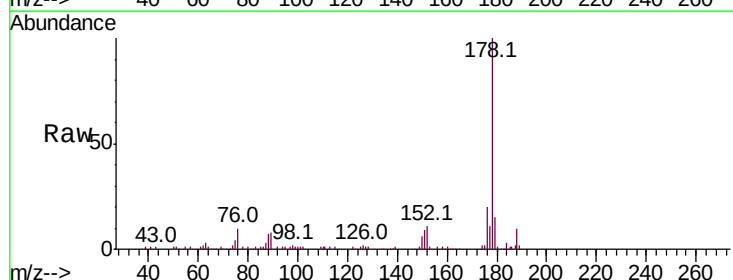
Manual Integrations
APPROVED

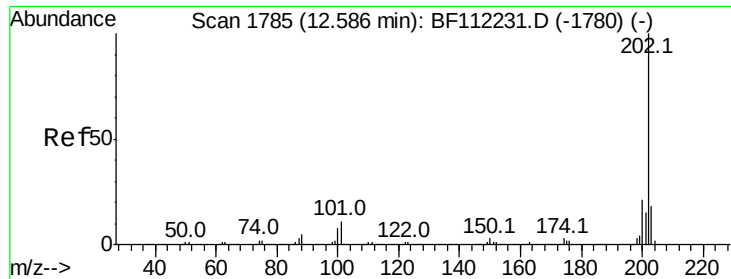
apatel
2/4/2019 12:43:42 PM



#71
Phenanthrene
Concen: 5.714 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112370.D
Acq: 2 Feb 2019 1:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.7	16.3	24.5	
179	15.2	13.0	19.4	





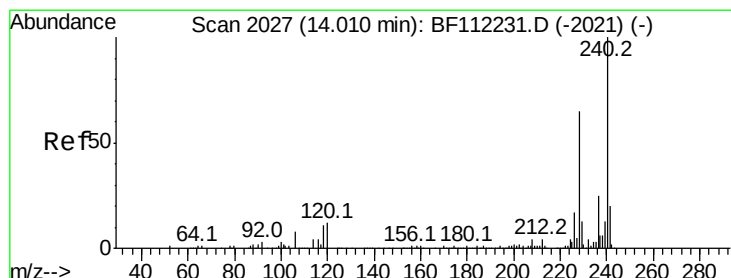
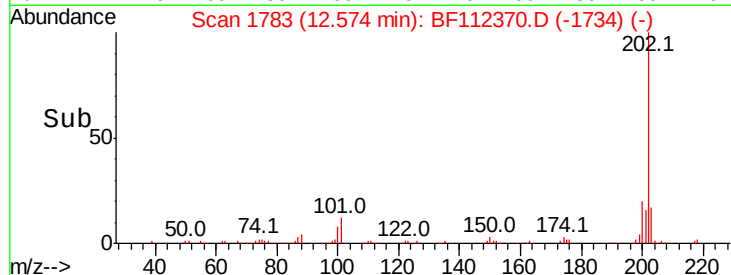
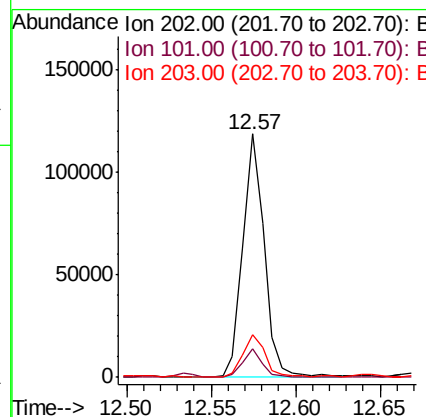
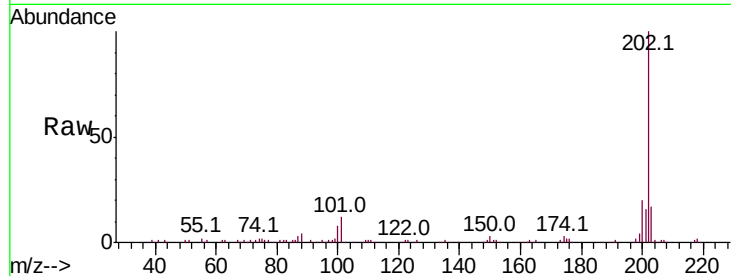
#75
Fluoranthene
Concen: 4.945 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF112370.D
Acq: 2 Feb 2019 1:06

Instrument :
BNA_F
ClientSampleId :
OR-02-013119-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.5	0.0	31.8
203	17.5	0.0	38.4

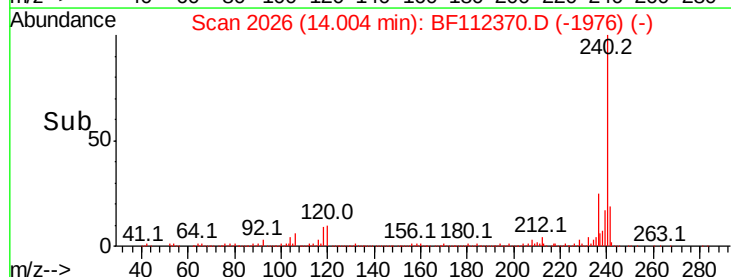
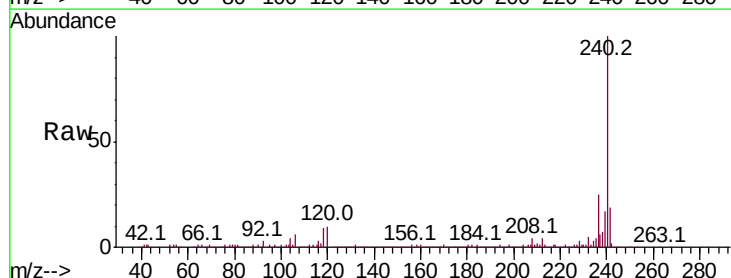
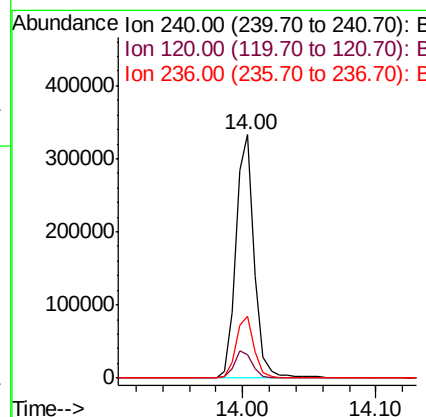
Manual Integrations
APPROVED

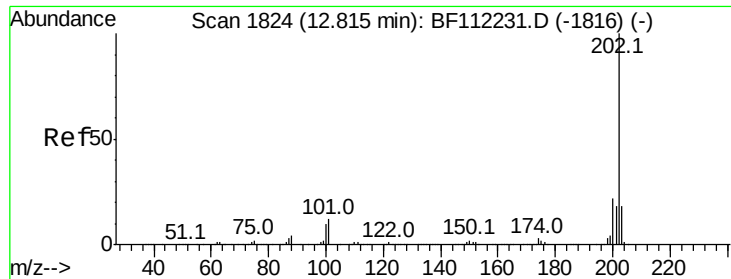
apatel
2/4/2019 12:43:42 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112370.D
Acq: 2 Feb 2019 1:06

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.6	9.0	13.6
236	25.3	20.7	31.1





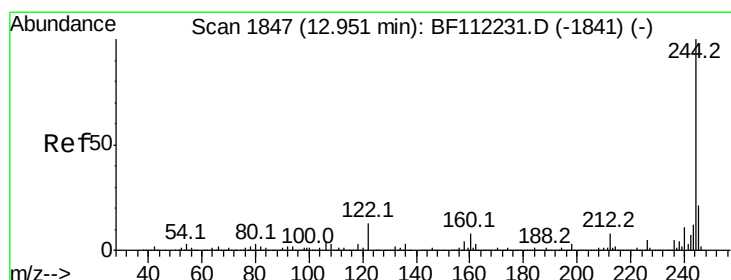
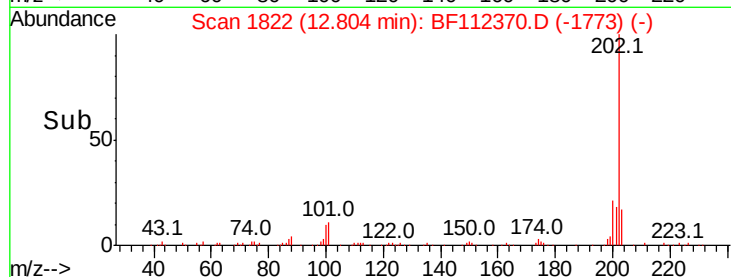
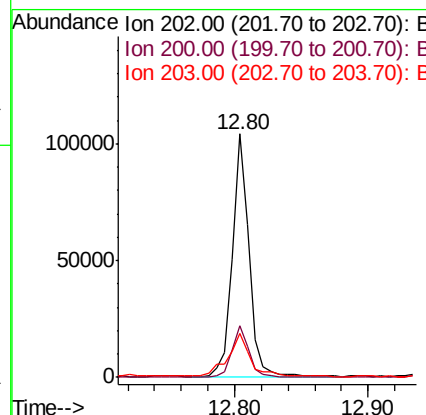
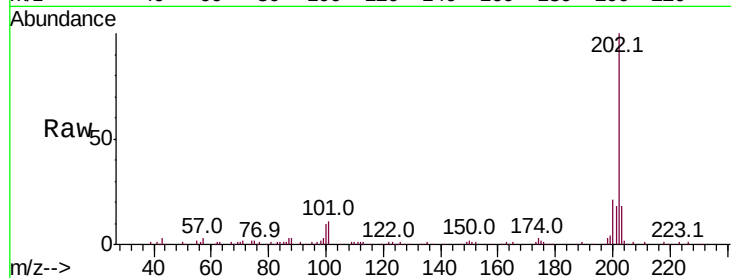
#78
Pvrene
Concen: 4.226 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112370.D
Acq: 2 Feb 2019 1:06

Instrument :
BNA_F
ClientSampleId :
OR-02-013119-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	17.8	14.6	22.0

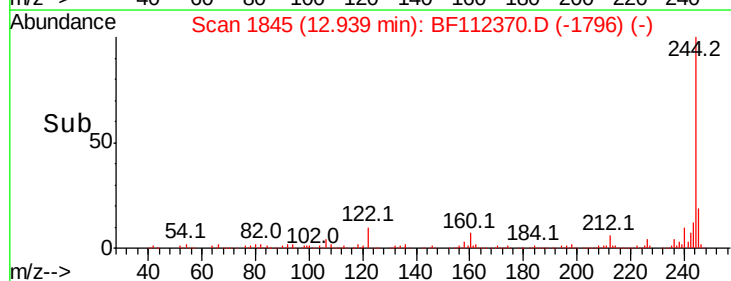
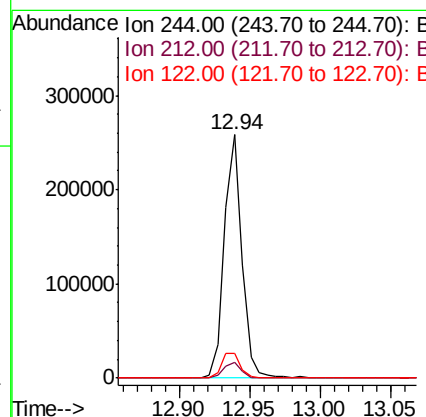
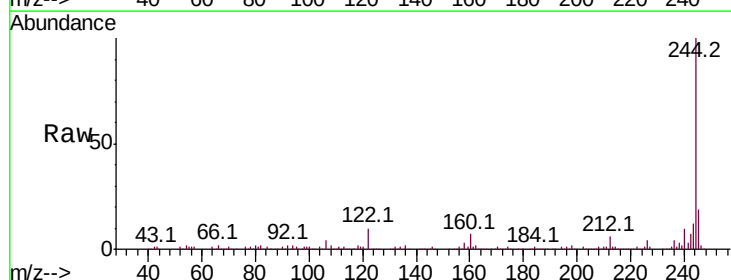
Manual Integrations
APPROVED

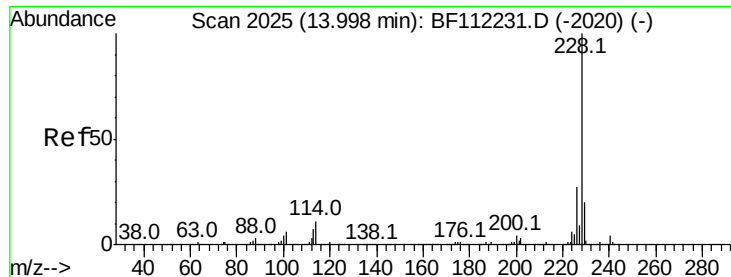
apatel
2/4/2019 12:43:42 PM



#79
Terphenyl-d14
Concen: 13.179 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112370.D
Acq: 2 Feb 2019 1:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.9	8.9
122	10.0	9.8	14.6





#81

Benzo(a)anthracene

Concen: 2.457 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112370.D

Acq: 2 Feb 2019 1:06

Instrument :

BNA_F

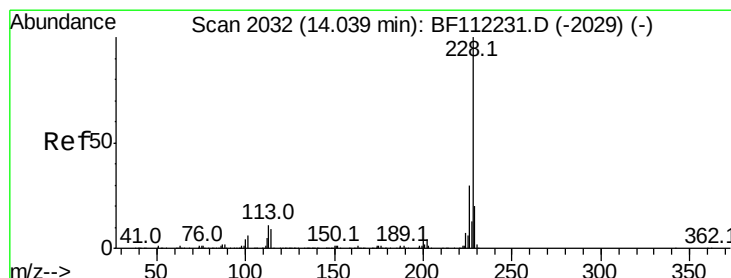
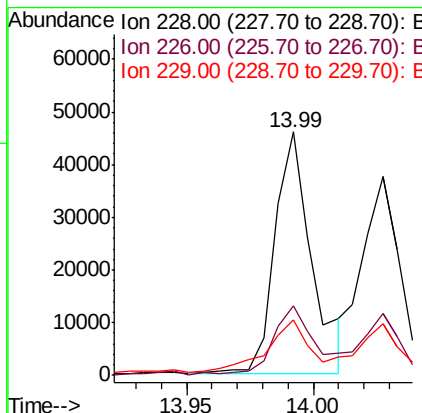
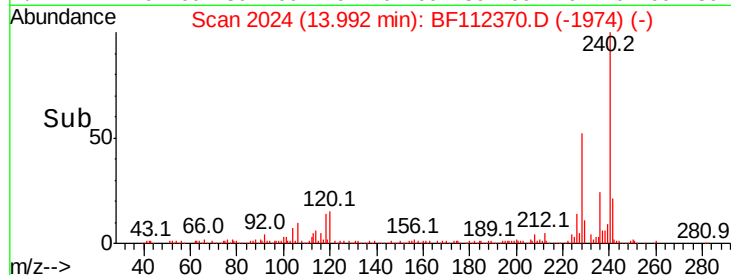
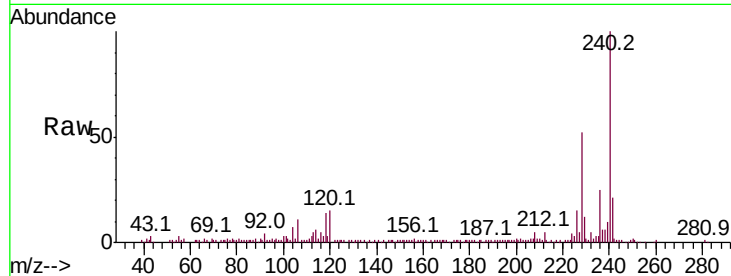
ClientSampleId :

OR-02-013119-A

Tot Ion:	228	Resp:	46530
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.6	34.0
229	22.6	16.5	24.7

Manual Integrations
APPROVED

apatel
2/4/2019 12:43:42 PM



#83

Chrysene

Concen: 2.192 ng m

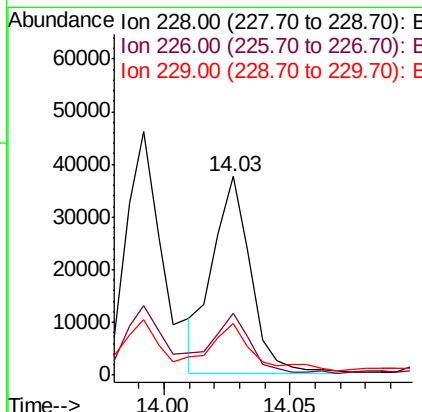
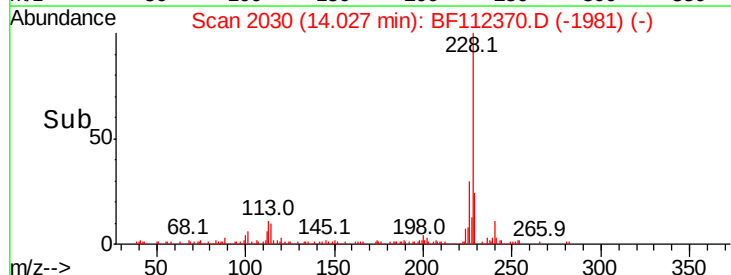
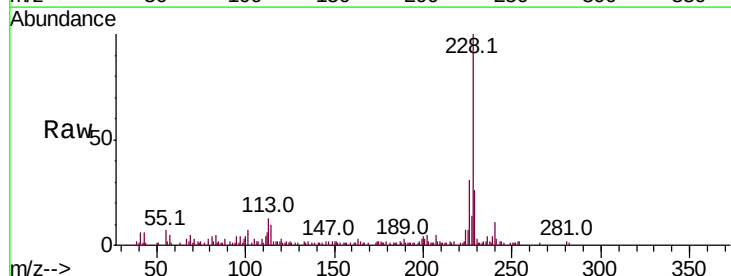
RT: 14.03 min Scan# 2030

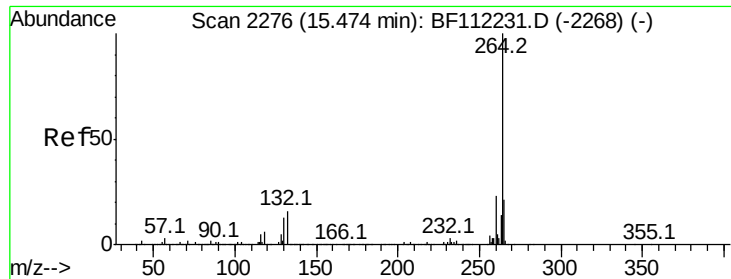
Delta R.T. -0.01 min

Lab File: BF112370.D

Acq: 2 Feb 2019 1:06

Tgt Ion:	228	Resp:	39616
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	26.3	16.6	24.8#





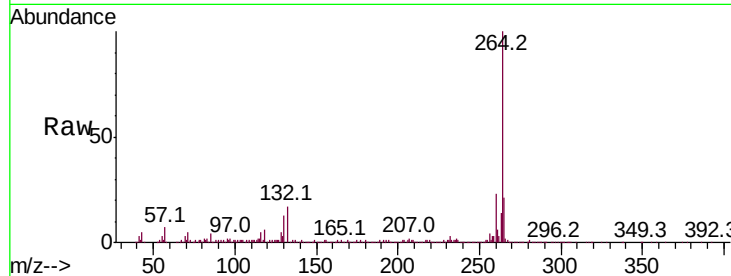
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112370.D
Acq: 2 Feb 2019 1:06

Instrument :
BNA_F
ClientSampleId :
OR-02-013119-A

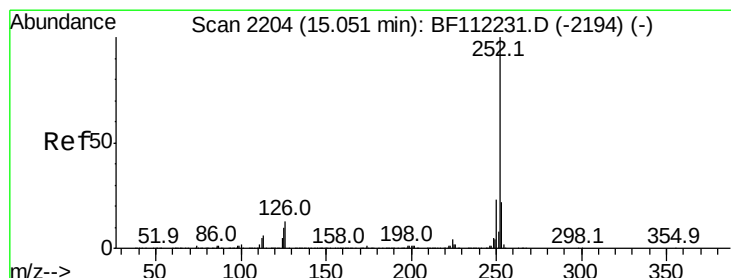
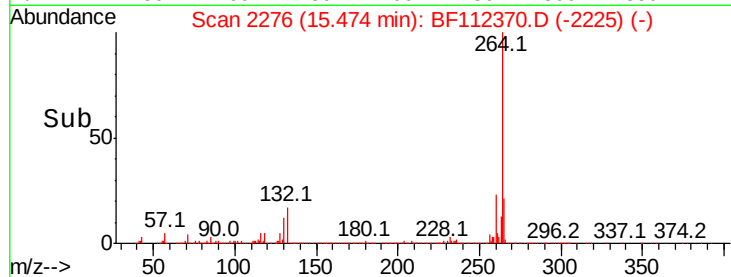
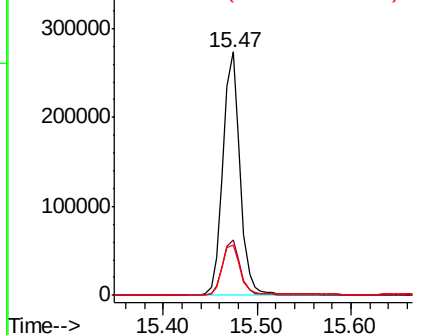
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.2
265	20.8	17.0	25.4

Manual Integrations
APPROVED

apatel
2/4/2019 12:43:42 PM

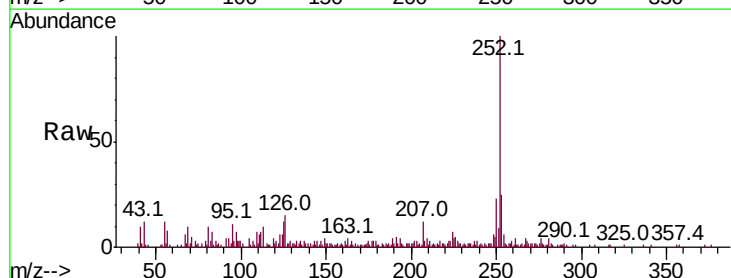


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

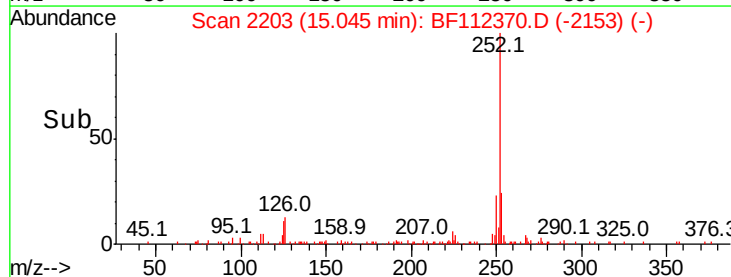
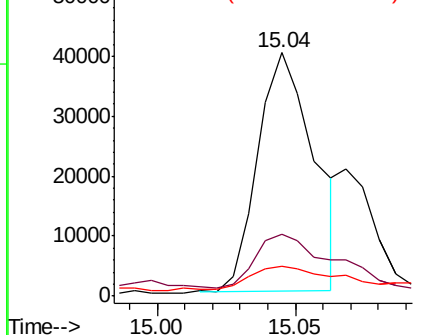


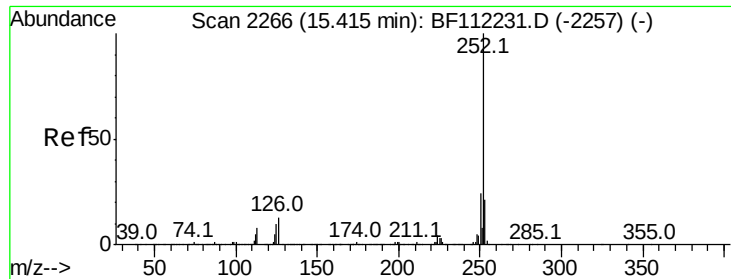
#88
Benzo(b)fluoranthene
Concen: 2.694 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112370.D
Acq: 2 Feb 2019 1:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.0	27.0
125	12.2	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





#90
Benzo(a)pyrene
Concen: 2.135 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112370.D
Acq: 2 Feb 2019 1:06

Instrument :
BNA_F
ClientSampleId :
OR-02-013119-A

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	26.8	17.5	26.3#
125	15.6	9.0	13.4#

Manual Integrations
APPROVED

apatel
2/4/2019 12:43:42 PM

