

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112154.D
 Acq On : 21 Jan 2019 13:10
 Operator : JU/SJ
 Sample : K1011-07 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-011719-B

Manual Integrations
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 1/21/2019 2:29:35 PM

Quant Time: Jan 21 13:46:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	298823	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1156423	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	544488	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	882283	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	685190	20.00	ng	-0.01
87) Perylene-d12	15.49	264	678058	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	390557	23.72	ng	-0.01
7) Phenol-d6	6.49	99	504900	24.51	ng	-0.01
23) Nitrobenzene-d5	7.40	82	295418	17.65	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	126492	21.53	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	695589	18.73	ng	-0.01
79) Terphenyl-d14	12.96	244	538816	16.73	ng	-0.01
Target Compounds						
71) Phenanthrene	11.40	178	179516	4.043	ng	Qvalue 96
75) Fluoranthene	12.59	202	237521	5.067	ng	97
78) Pyrene	12.82	202	210660	4.660	ng	97
81) Benzo(a)anthracene	14.00	228	111248	2.832	ng	98
83) Chrysene	14.04	228	91646	2.465	ng	96
88) Benzo(b)fluoranthene	15.06	252	134561m	3.496	ng	
90) Benzo(a)pyrene	15.42	252	95278	2.699	ng	# 92

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

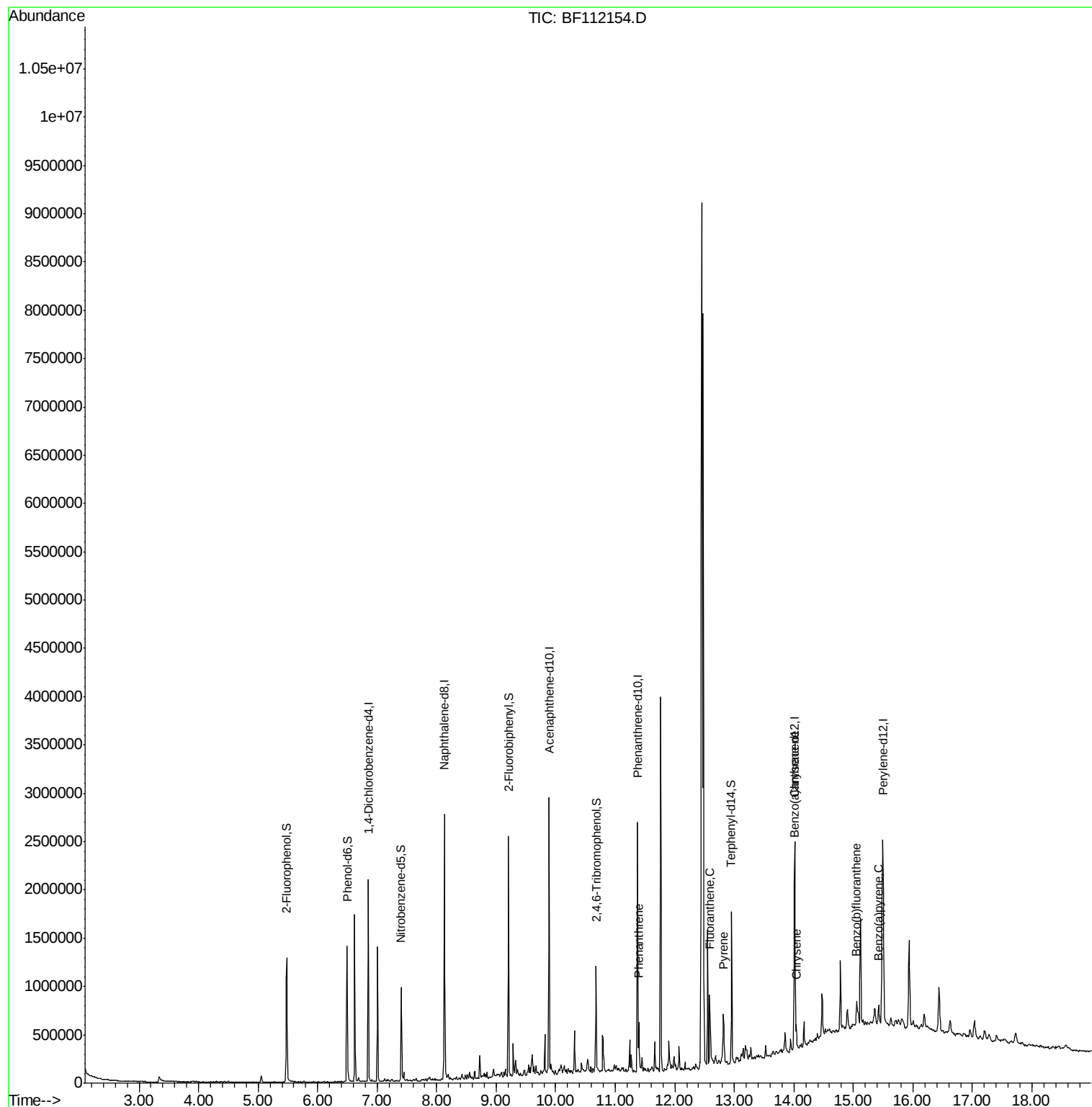
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112154.D
Acq On : 21 Jan 2019 13:10
Operator : JU/SJ
Sample : K1011-07 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

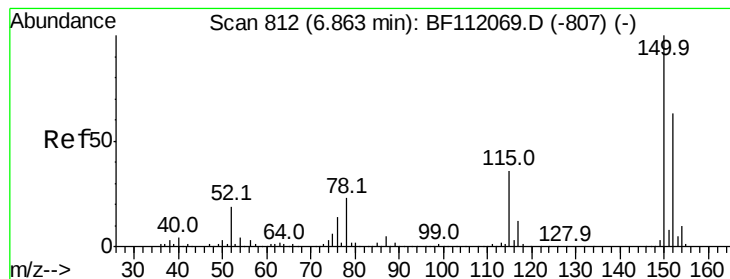
Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

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#1

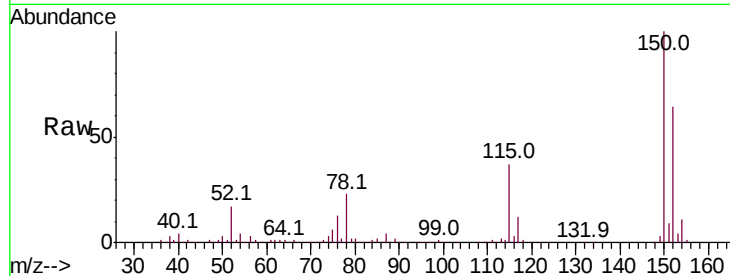
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	127.4	191.0
115	57.7	45.5	68.3

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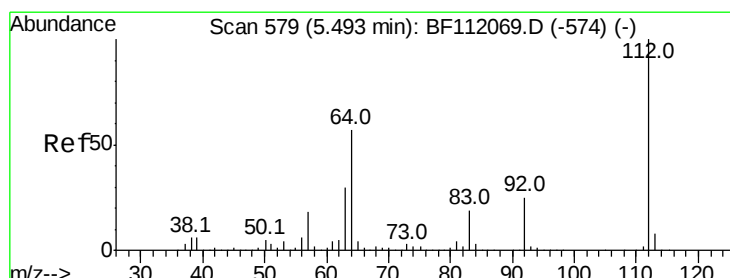
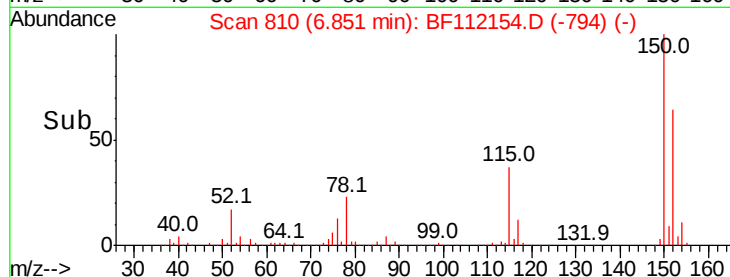
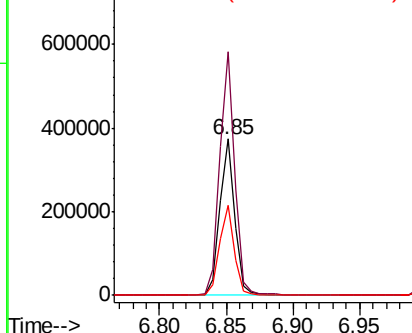


Abundance

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: 23.722 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

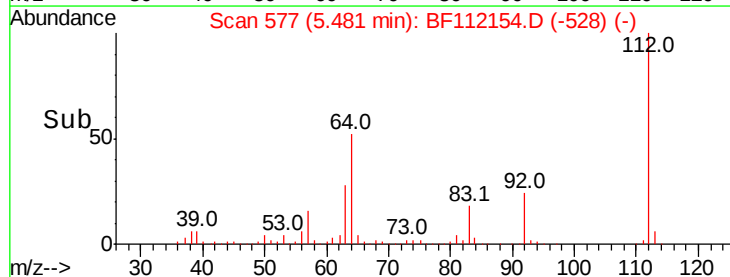
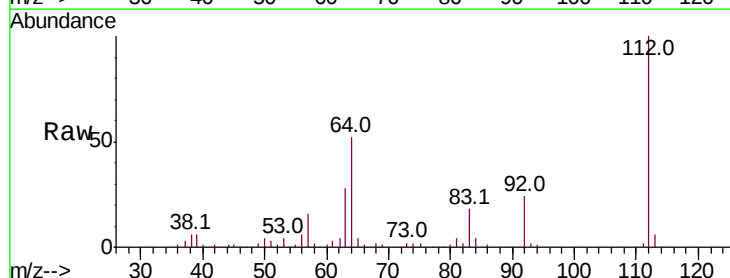
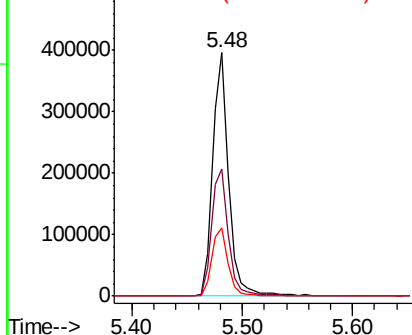
Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	45.7	68.5
63	28.1	23.6	35.4

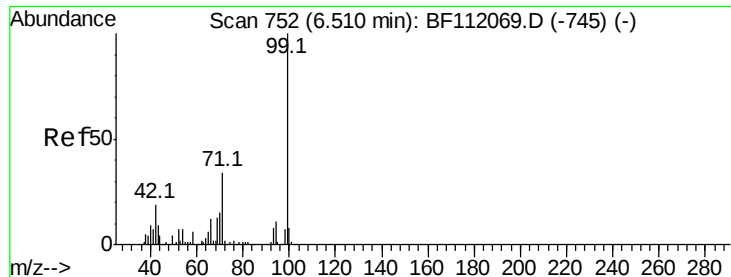
Abundance

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: 24.511 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112154.D

Acq: 21 Jan 2019 13:10

Instrument :

BNA_F

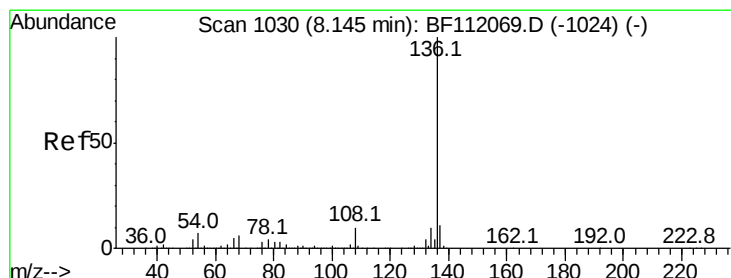
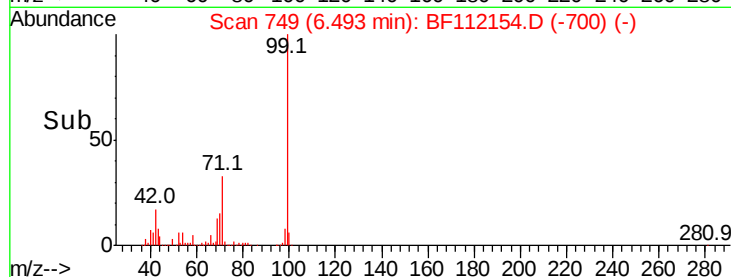
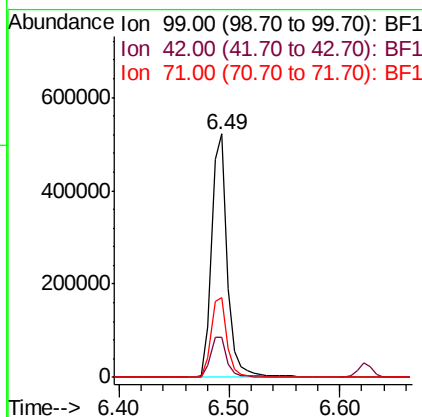
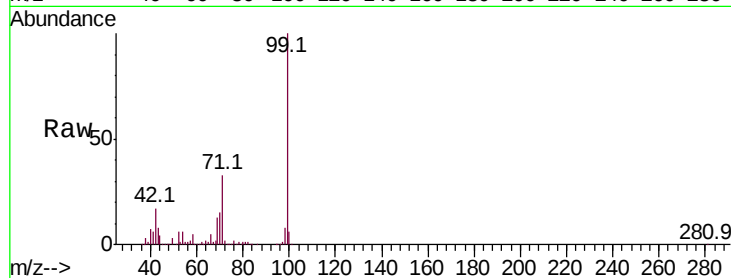
ClientSampled :

OR-03-011719-B

Tot Ion:	99	Resp:	504900
Ion	Ratio	Lower	Upper
99	100		
42	16.7	15.1	22.7
71	32.9	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

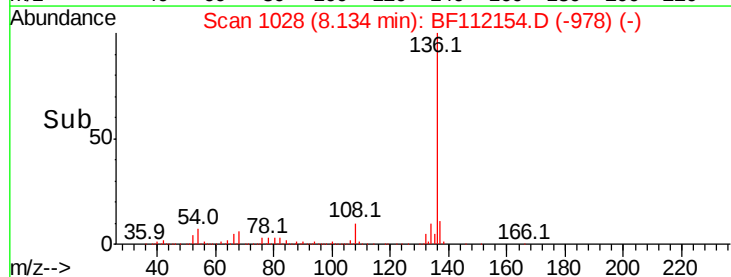
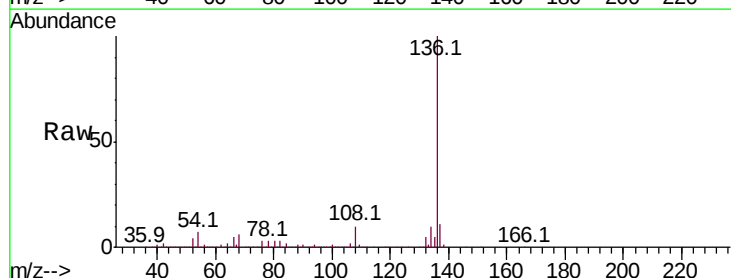
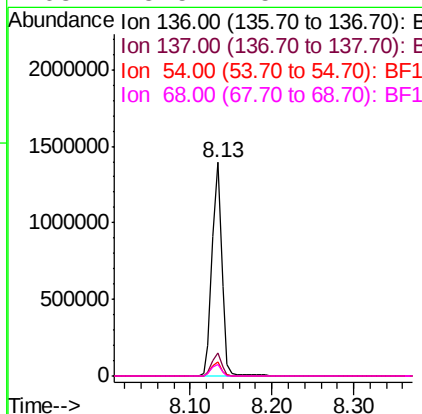
RT: 8.13 min Scan# 1028

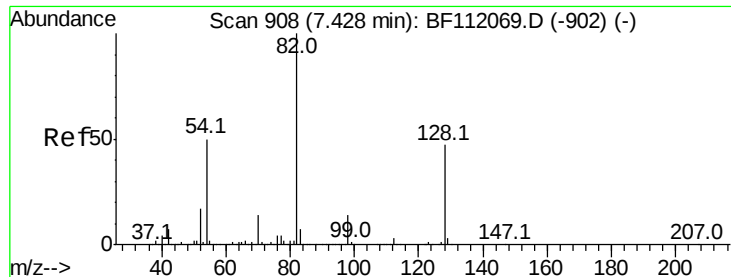
Delta R.T. -0.01 min

Lab File: BF112154.D

Acq: 21 Jan 2019 13:10

Tgt Ion:	136	Resp:	1156423
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.8	5.9	8.9
68	5.5	5.1	7.7





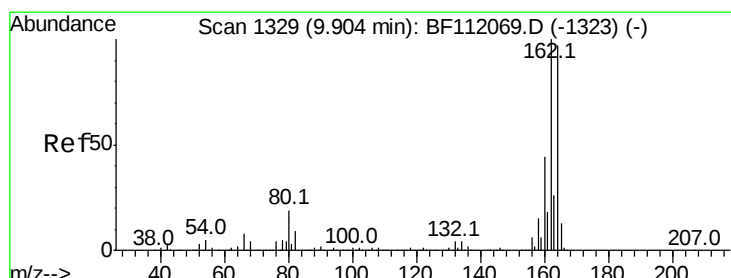
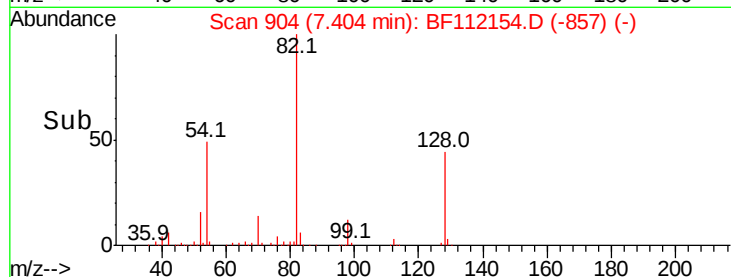
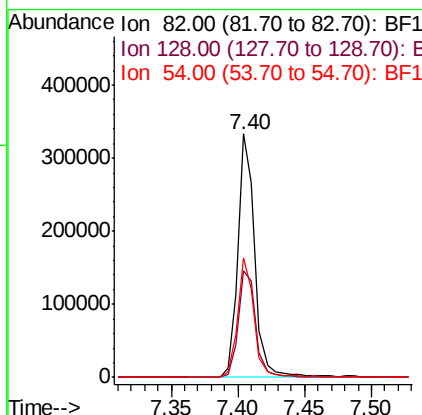
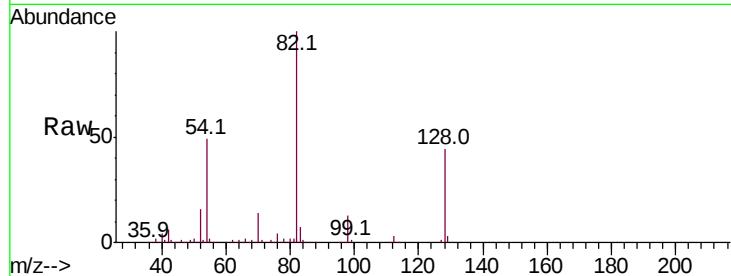
#23
 Nitrobenzene-d5
 Concen: 17.649 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.02 min
 Lab File: BF112154.D
 Acq: 21 Jan 2019 13:10

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-011719-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	37.8	56.8
54	49.1	39.7	59.5

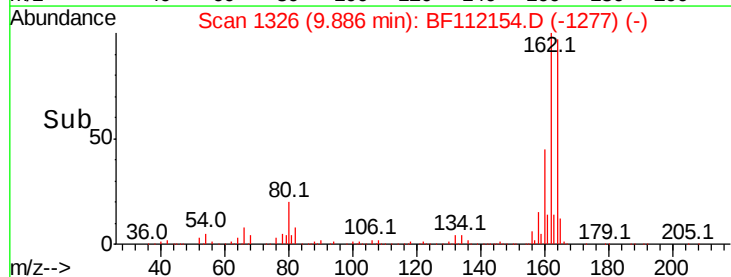
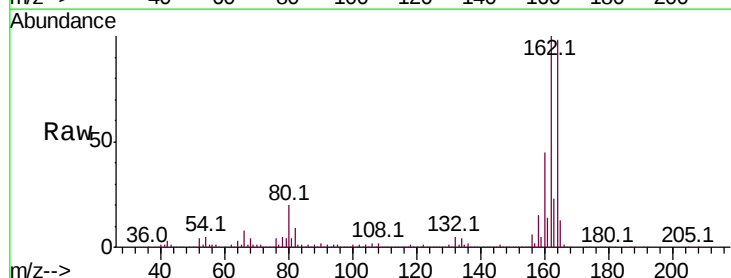
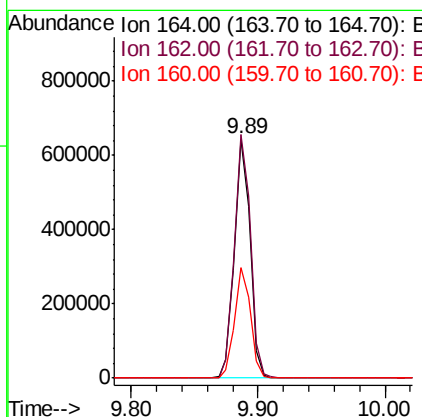
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF112154.D
 Acq: 21 Jan 2019 13:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.2	123.4
160	46.3	36.2	54.4





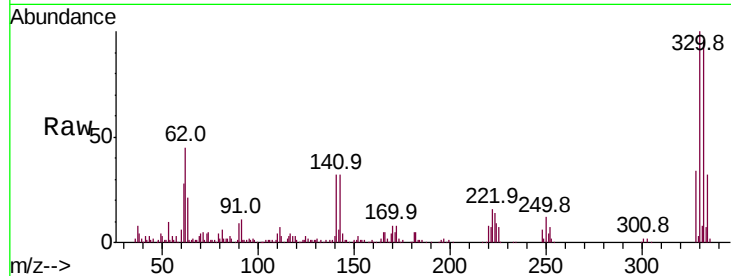
#42
 2,4,6-Tribromophenol
 Concen: 21.535 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.02 min
 Lab File: BF112154.D
 Acq: 21 Jan 2019 13:10

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-011719-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	126492		
332	97.5	76.6	114.8	
141	32.3	24.3	36.5	

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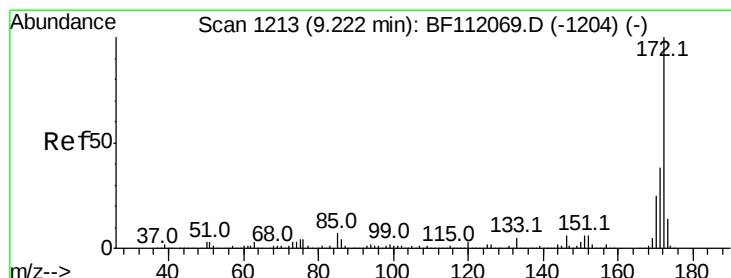
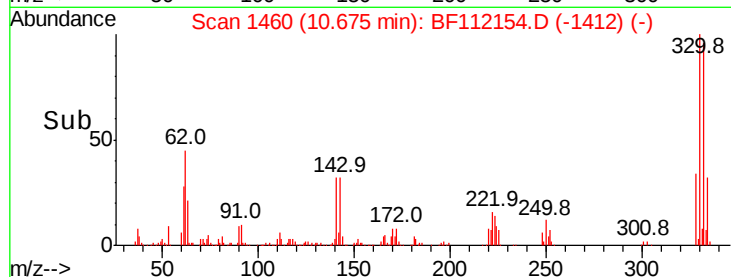
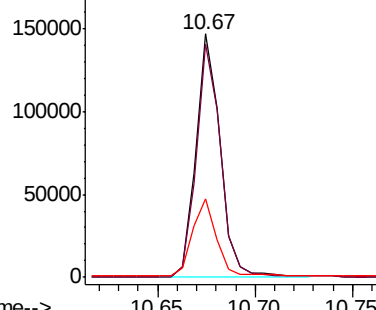


Abundance

Ion 329.80 (329.50 to 330.50): E

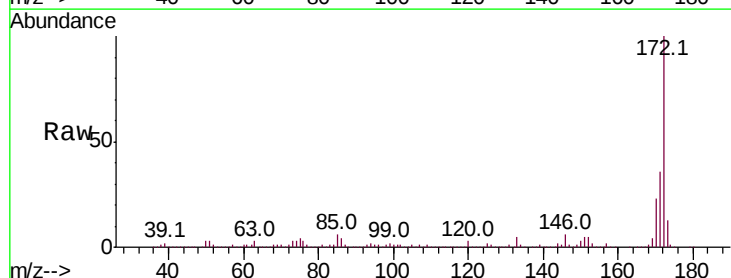
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 18.730 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF112154.D
 Acq: 21 Jan 2019 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	695589		
171	35.8	30.5	45.7	
170	22.9	20.2	30.4	

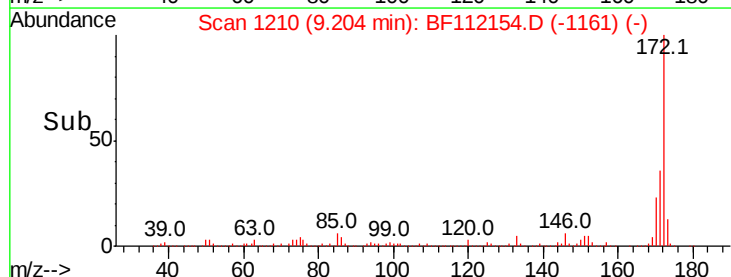
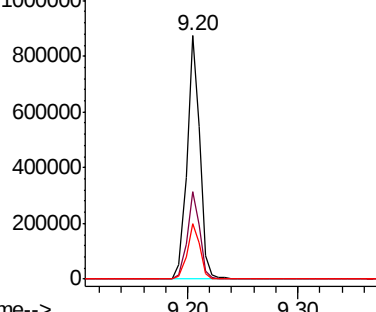


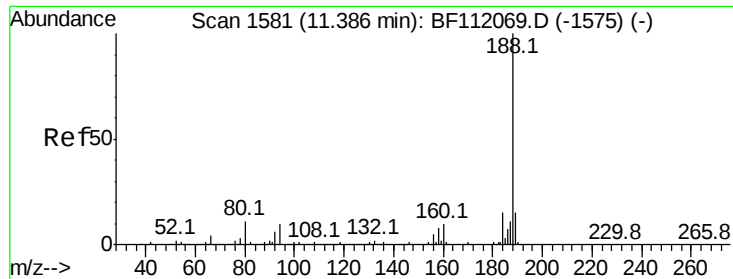
Abundance

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: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF112154.D

Acq: 21 Jan 2019 13:10

Instrument :

BNA_F

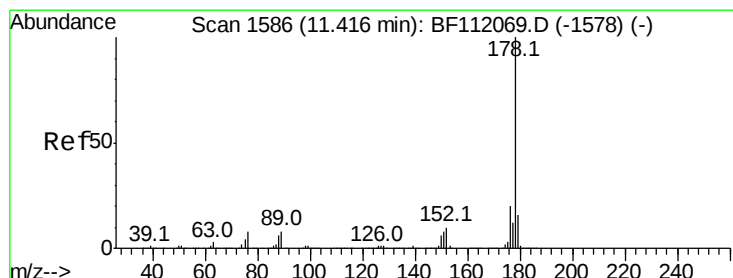
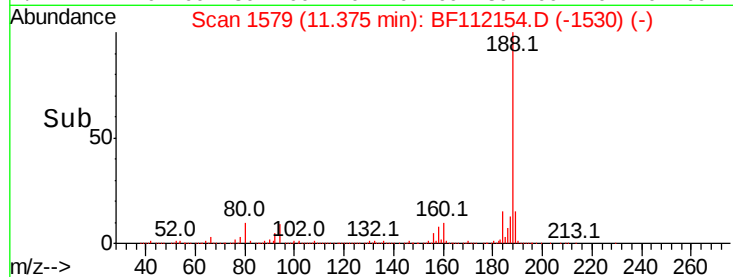
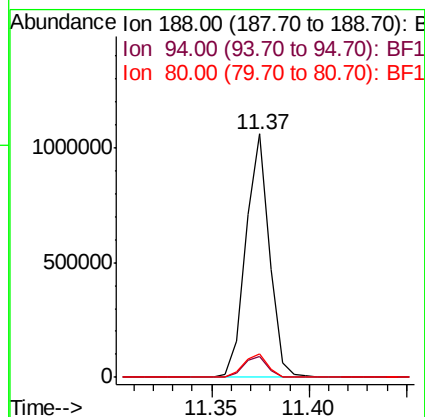
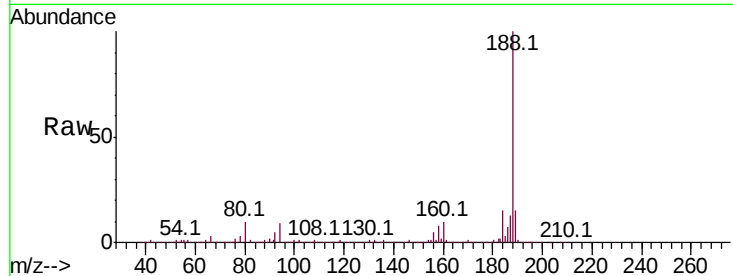
ClientSampleId :

OR-03-011719-B

Tot Ion:188	Resp: 882283
Ion Ratio	Lower Upper
188 100	
94 8.8	8.2 12.2
80 9.6	8.9 13.3

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#71

Phenanthrene

Concen: 4.043 ng

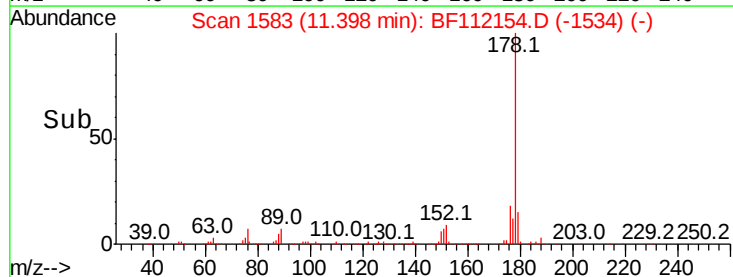
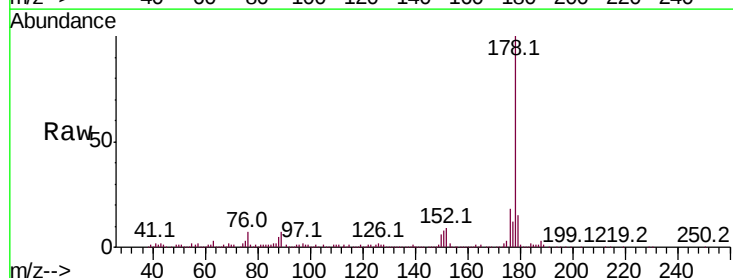
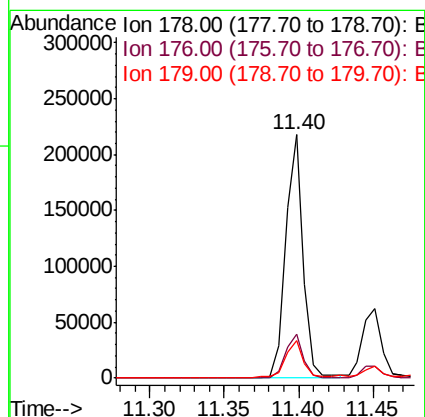
RT: 11.40 min Scan# 1583

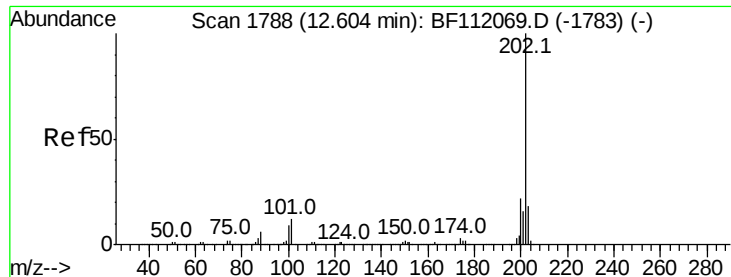
Delta R.T. -0.01 min

Lab File: BF112154.D

Acq: 21 Jan 2019 13:10

Tgt Ion:178	Resp: 179516
Ion Ratio	Lower Upper
178 100	
176 18.1	16.3 24.5
179 15.3	13.0 19.4





#75

Fluoranthene

Concen: 5.067 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF112154.D

Acq: 21 Jan 2019 13:10

Instrument :

BNA_F

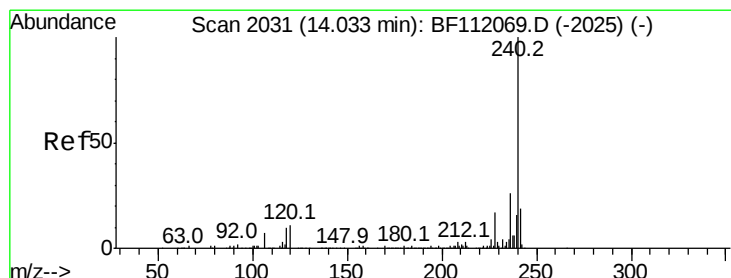
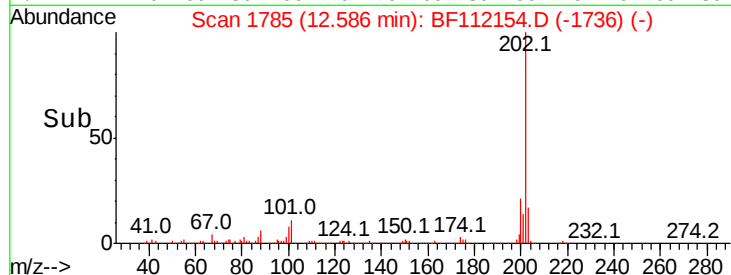
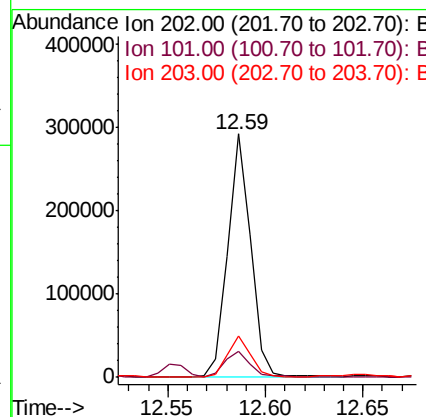
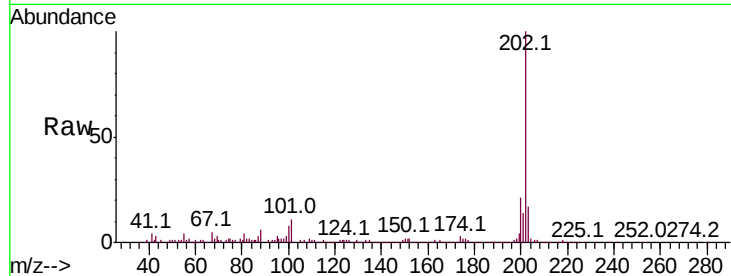
ClientSampleId :

OR-03-011719-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	10.7	0.0	31.8		
203	17.2	0.0	38.4		

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#76

Chrysene-d12

Concen: 20.000 ng

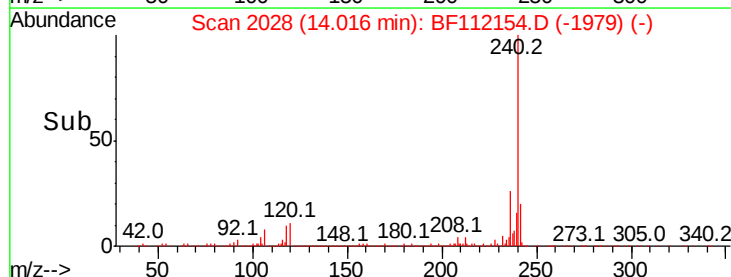
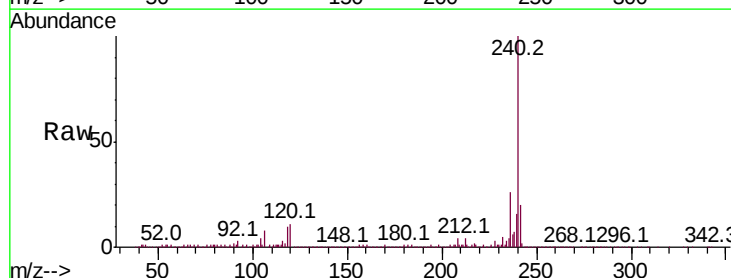
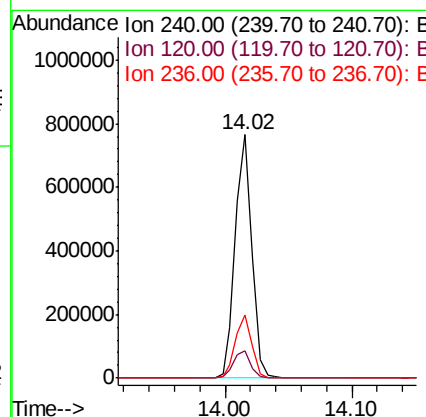
RT: 14.02 min Scan# 2028

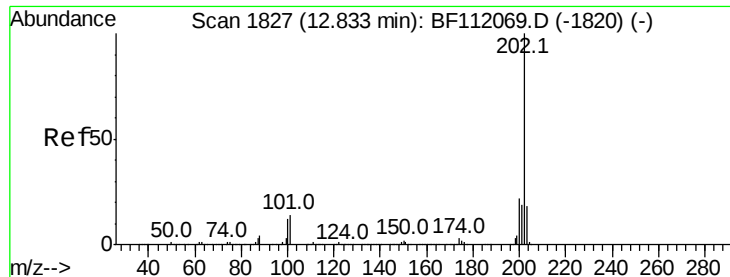
Delta R.T. -0.01 min

Lab File: BF112154.D

Acq: 21 Jan 2019 13:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	11.3	9.0	13.6		
236	26.0	20.7	31.1		





#78

Pvrene

Concen: 4.660 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF112154.D

Acq: 21 Jan 2019 13:10

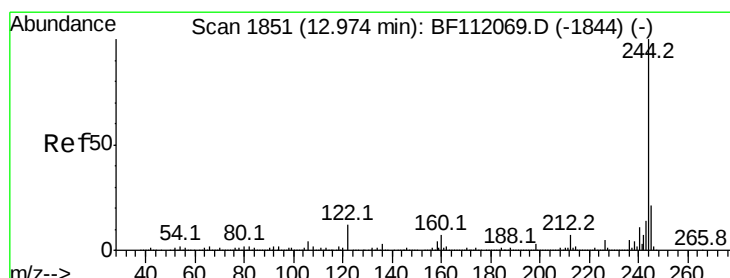
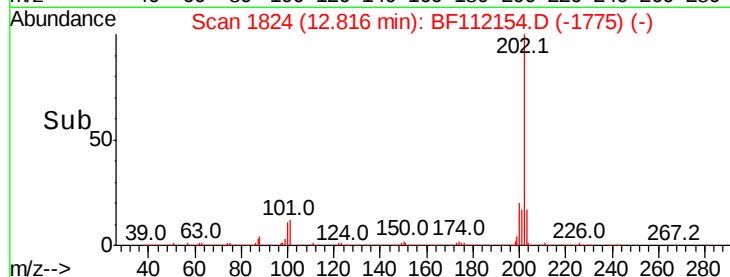
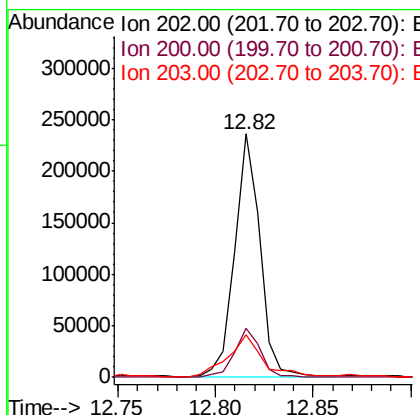
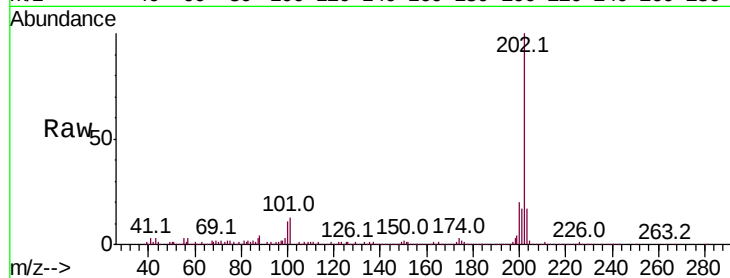
Instrument :
BNA_F

ClientSampleId :
OR-03-011719-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.7	26.5
203	17.5	14.6	22.0

Manual Integrations
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#79

Terphenyl-d14

Concen: 16.729 ng

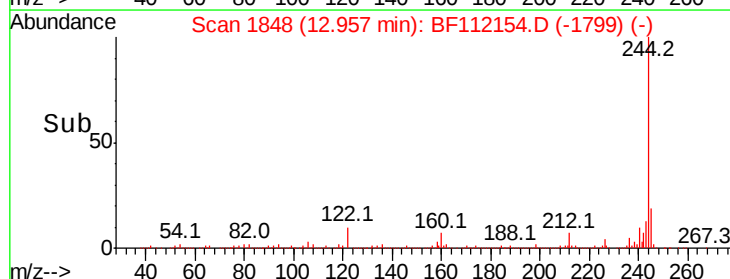
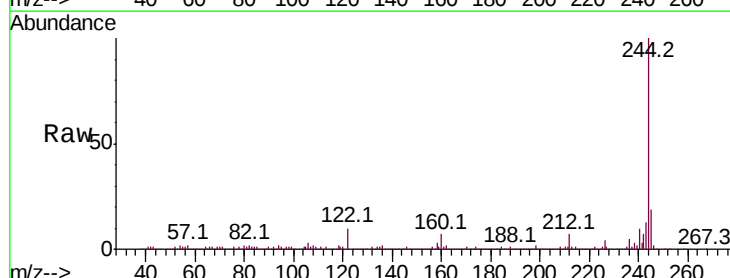
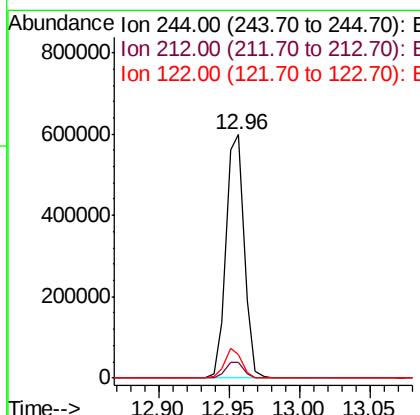
RT: 12.96 min Scan# 1848

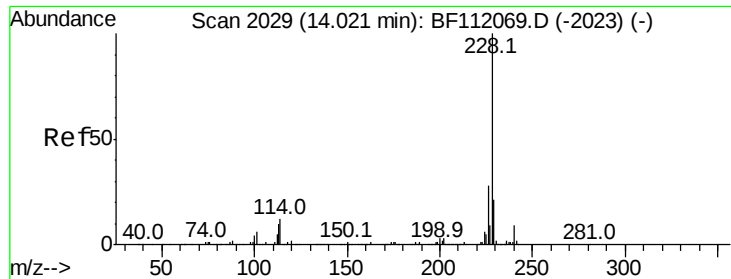
Delta R.T. -0.01 min

Lab File: BF112154.D

Acq: 21 Jan 2019 13:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	9.7	9.8	14.6#





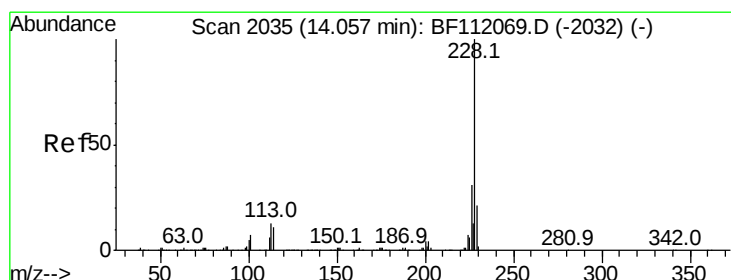
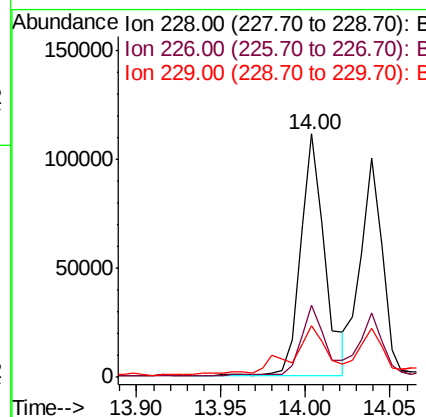
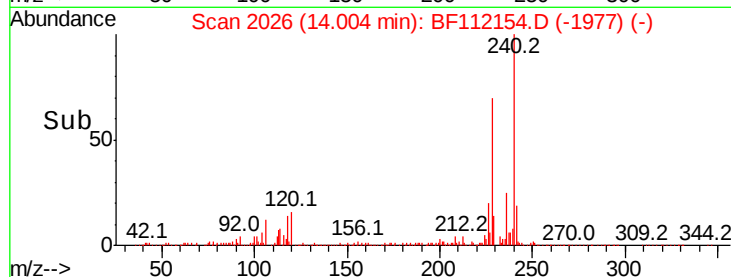
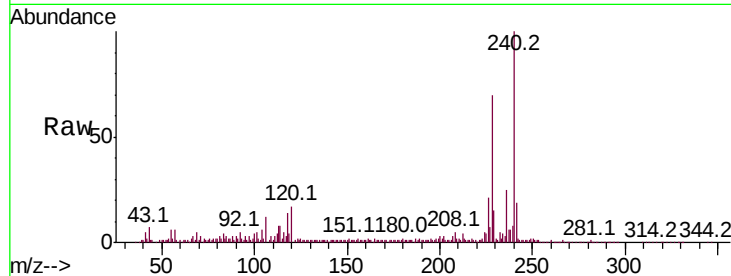
#81
Benzo(a)anthracene
Concen: 2.832 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	34.0
229	21.3	16.5	24.7

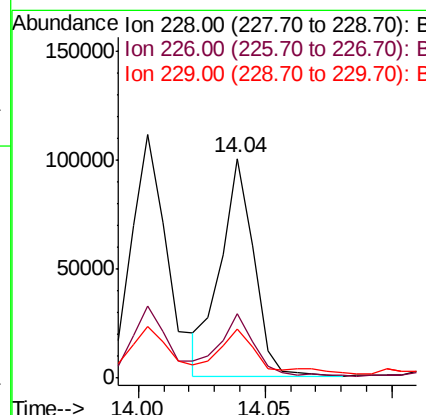
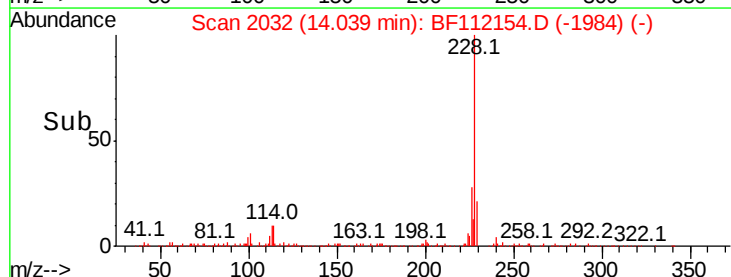
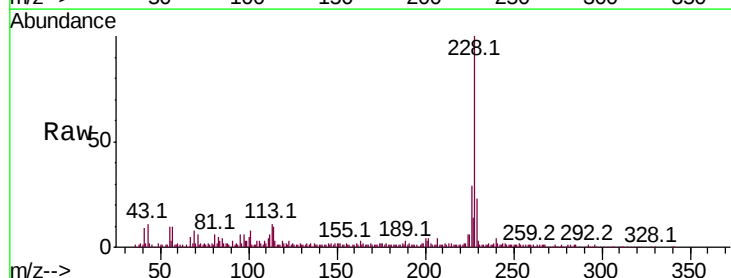
Manual Integrations
APPROVED

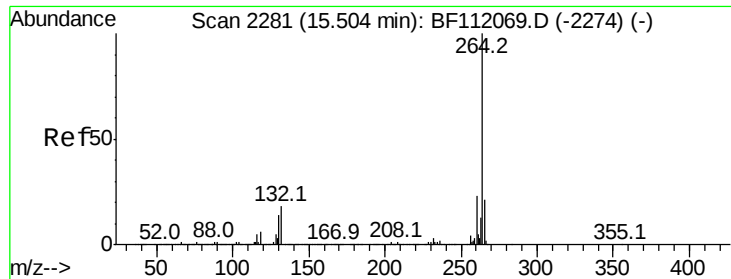
Sohil
1/21/2019 2:29:35 PM



#83
Chrysene
Concen: 2.465 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	22.5	16.6	24.8





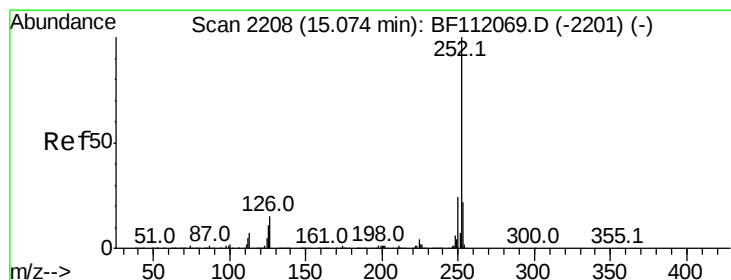
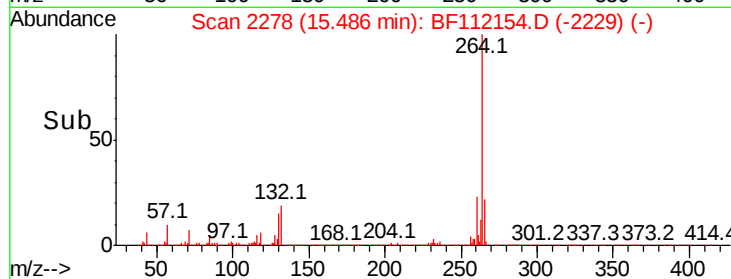
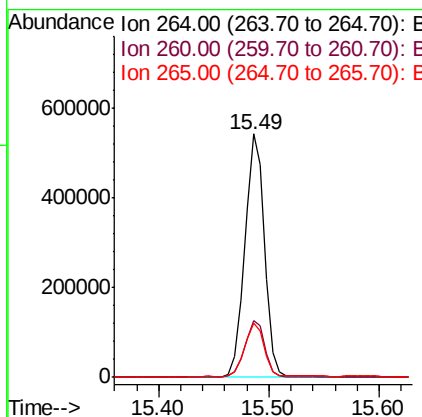
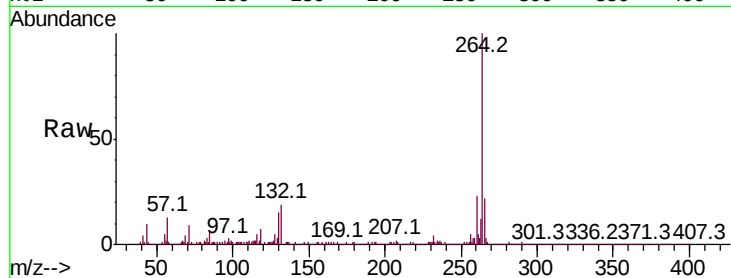
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.2
265	22.1	17.0	25.4

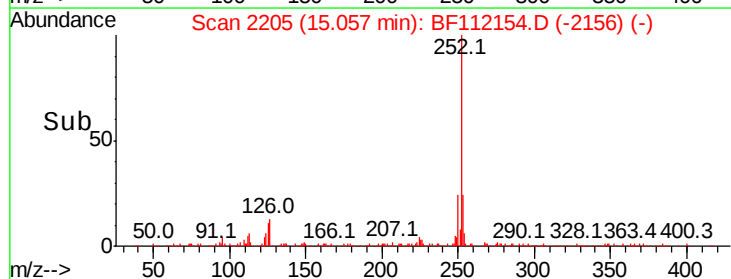
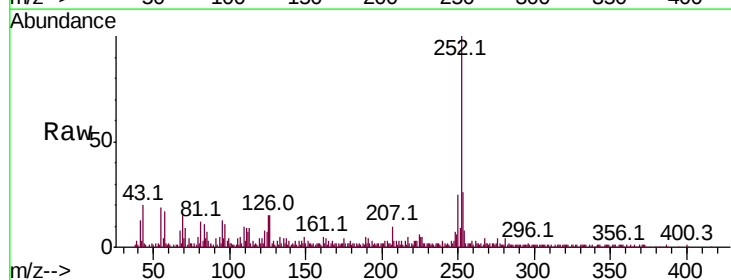
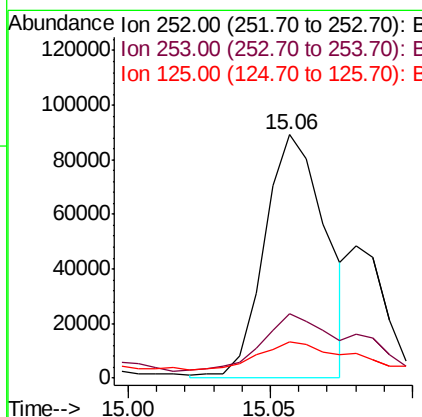
Manual Integrations
APPROVED

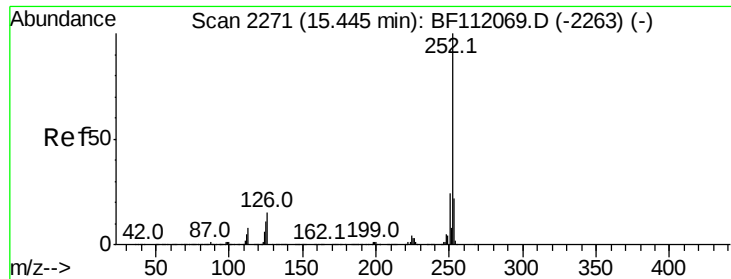
Sohil
1/21/2019 2:29:35 PM



#88
Benzo(b)fluoranthene
Concen: 3.496 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.0	27.0
125	14.8	8.7	13.1#





#90
 Benzo(a)pyrene
 Concen: 2.699 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.02 min
 Lab File: BF112154.D
 Acq: 21 Jan 2019 13:10

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-011719-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.5	26.3
125	14.8	9.0	13.4

Manual Integrations
 APPROVED

Sohil
 1/21/2019 2:29:35 PM

