

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
 Data File : BF116500.D
 Acq On : 24 Aug 2019 1:49
 Operator : HP/JU
 Sample : K4090-13 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-082219

Manual Integrations
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 8/28/2019 8:09:17 AM

Quant Time: Aug 24 04:56:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	95574	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	339706	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	158817	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	266901	20.00	ng	0.00
76) Chrysene-d12	14.03	240	228028	20.00	ng	0.00
87) Perylene-d12	15.50	264	226766	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	86260	13.19	ng	0.00
7) Phenol-d6	6.50	99	116385	14.51	ng	0.00
23) Nitrobenzene-d5	7.43	82	56955	9.17	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	18045	13.23	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	137389	13.93	ng	0.00
79) Terphenyl-d14	12.98	244	141900	11.62	ng	0.00
Target Compounds						
71) Phenanthrene	11.42	178	48865	3.361	ng	99
75) Fluoranthene	12.61	202	77451	5.152	ng	99
78) Pyrene	12.83	202	78261	4.292	ng	99
81) Benzo(a)anthracene	14.02	228	40840	2.765	ng	# 88
83) Chrysene	14.06	228	36508	2.439	ng	# 93
88) Benzo(b)fluoranthene	15.07	252	45737m	3.265	ng	
90) Benzo(a)pyrene	15.44	252	31273	2.526	ng	# 81

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

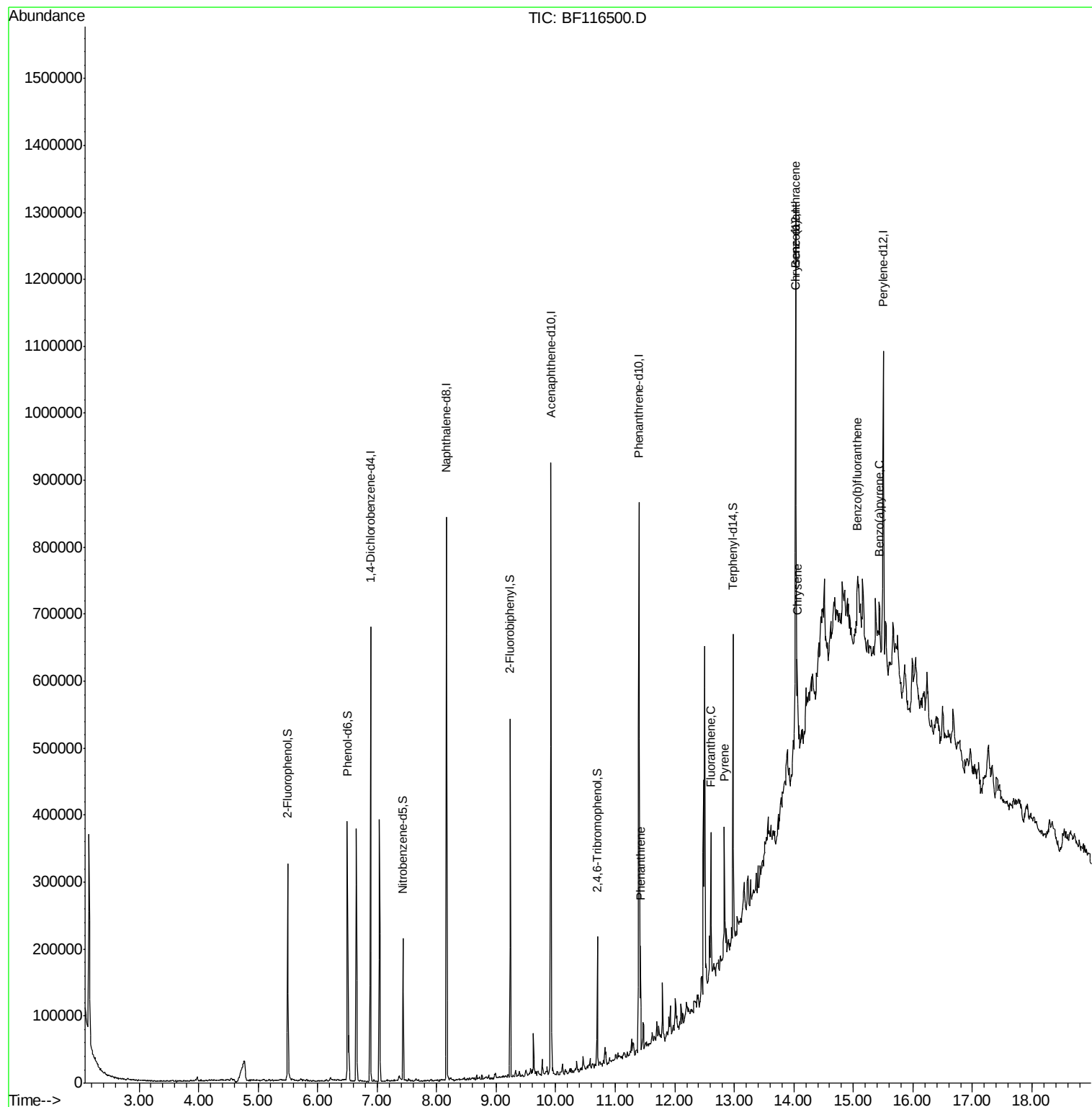
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116500.D
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ALS Vial : 22 Sample Multiplier: 1

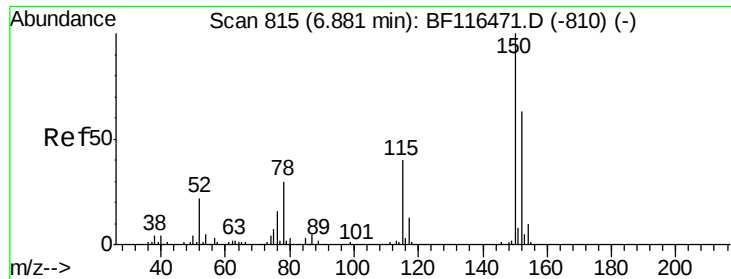
Instrument :
BNA_F
ClientSampleId :
OR-03-082219

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#1

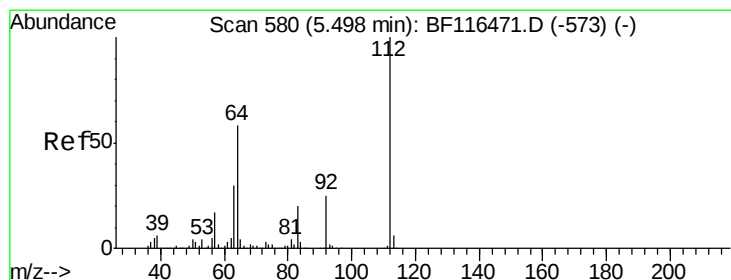
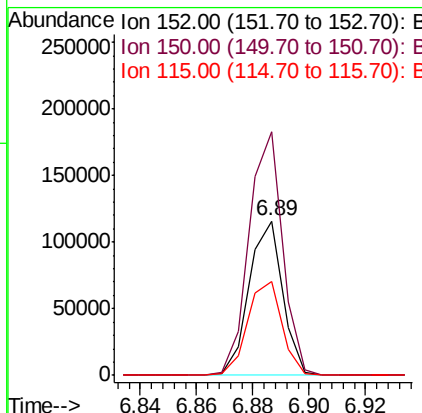
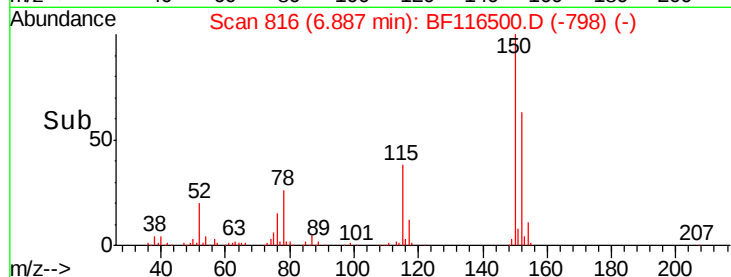
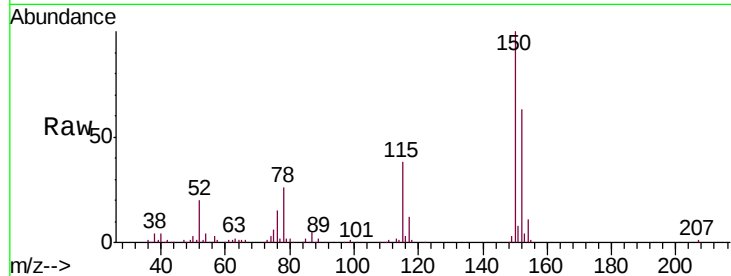
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

Instrument :
BNA_F
ClientSampleId :
OR-03-082219

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.7	190.1
115	60.7	50.9	76.3

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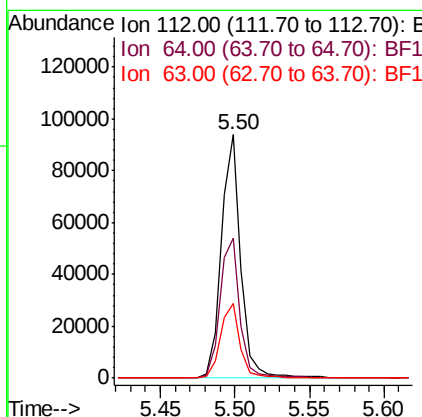
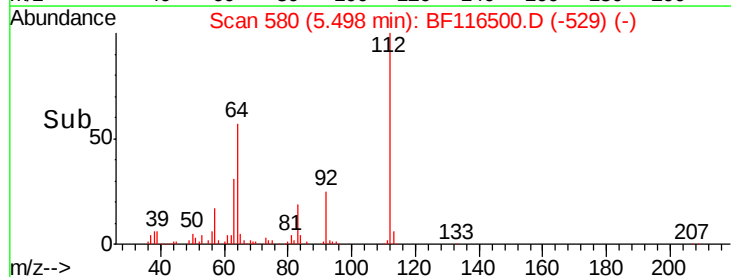
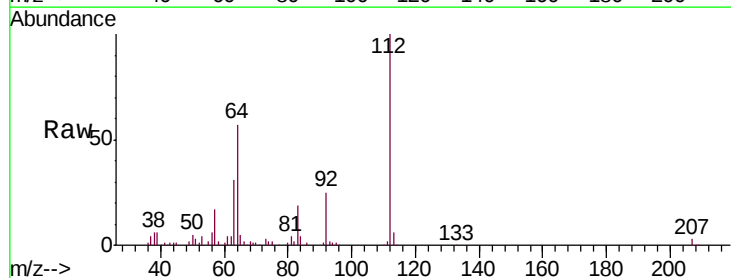
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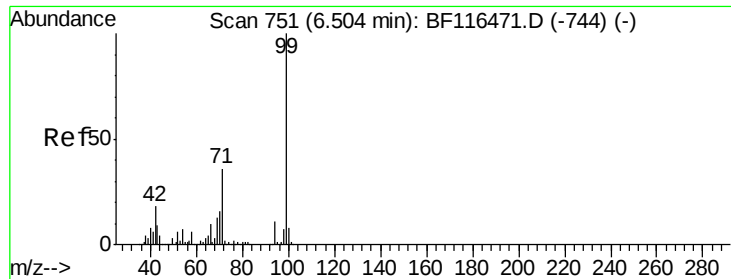


#5

2-Fluorophenol
Concen: 13.188 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.3	69.5
63	30.8	24.2	36.4





#7

Phenol-d6

Concen: 14.511 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF116500.D

Acq: 24 Aug 2019 1:49

Instrument :

BNA_F

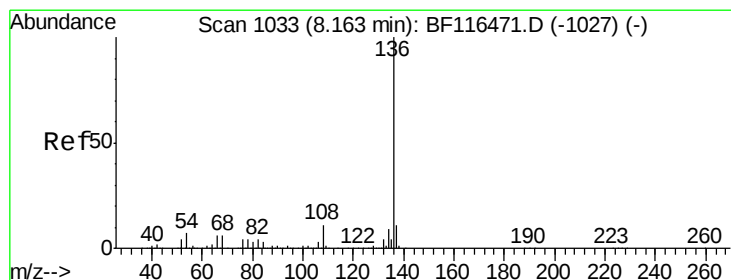
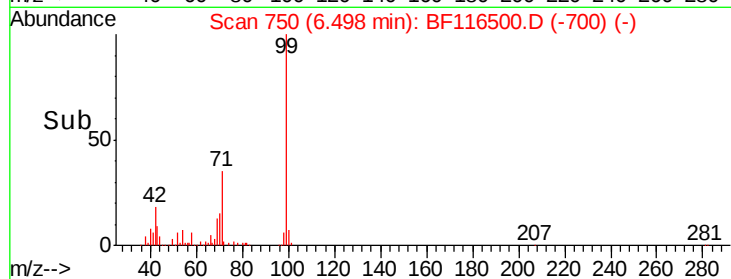
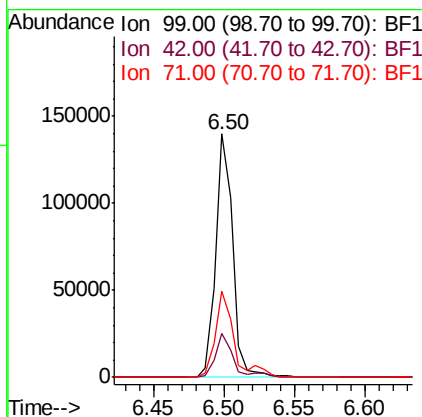
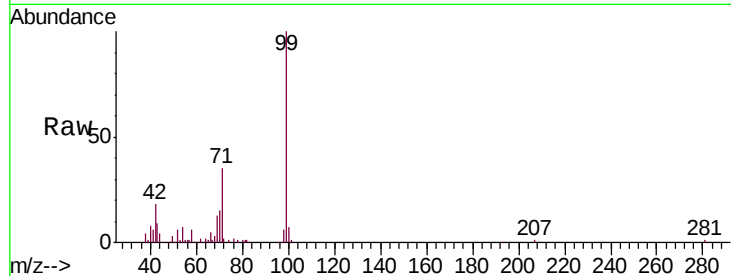
ClientSampleId :

OR-03-082219

Tot Ion:	99	Resp:	116385
Ion Ratio	Lower	Upper	
99	100		
42	18.1	14.6	21.8
71	35.2	28.5	42.7

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#21

Naphthalene-d8

Concen: 20.000 ng

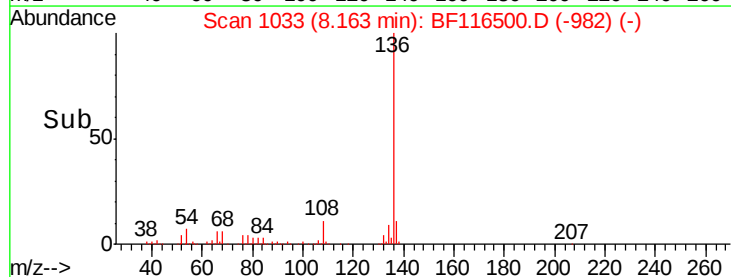
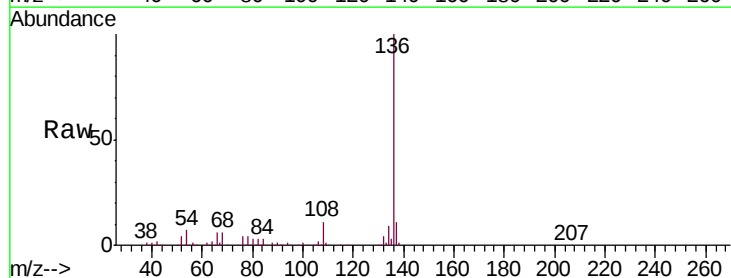
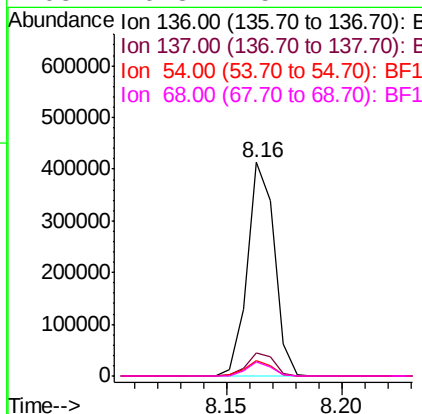
RT: 8.16 min Scan# 1033

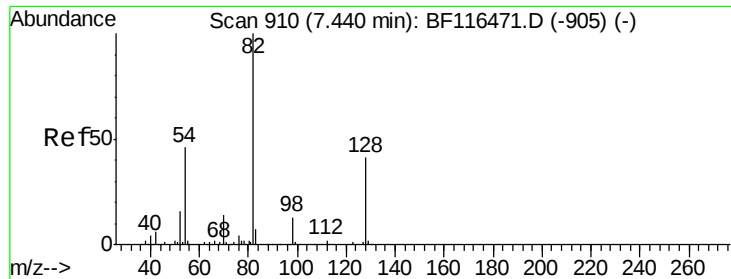
Delta R.T. -0.00 min

Lab File: BF116500.D

Acq: 24 Aug 2019 1:49

Tgt Ion:	136	Resp:	339706
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	7.4	5.8	8.6
68	6.3	5.1	7.7





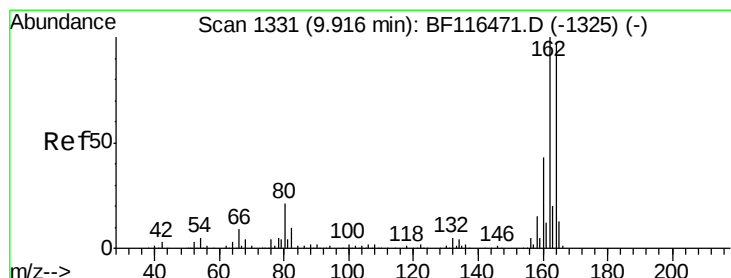
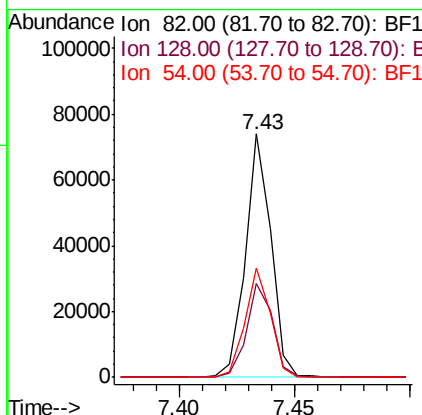
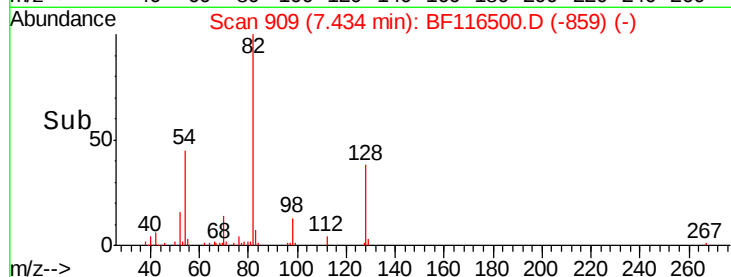
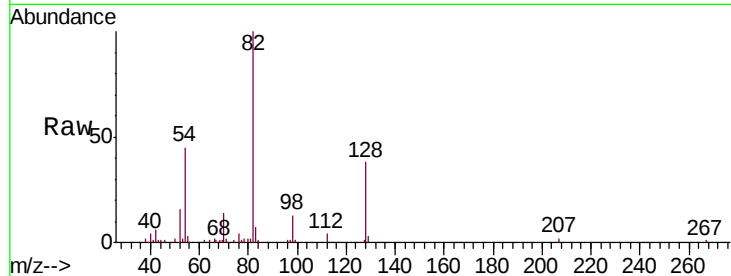
#23
 Nitrobenzene-d5
 Concen: 9.173 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF116500.D
 Acq: 24 Aug 2019 1:49

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-082219

Tot Ion	82	Resp	56955
Ion Ratio	Lower	Upper	
82	100		
128	38.3	32.2	48.4
54	45.0	36.5	54.7

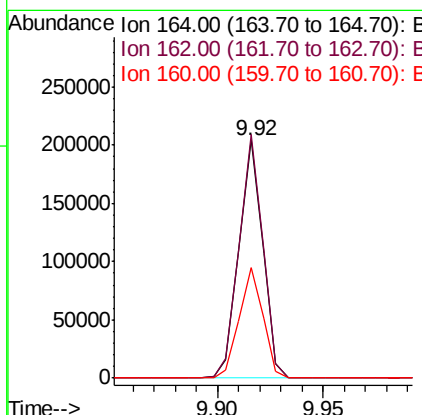
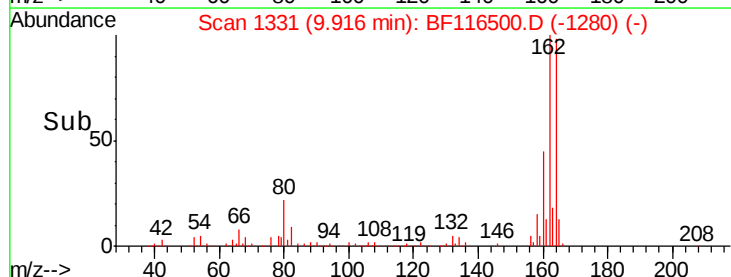
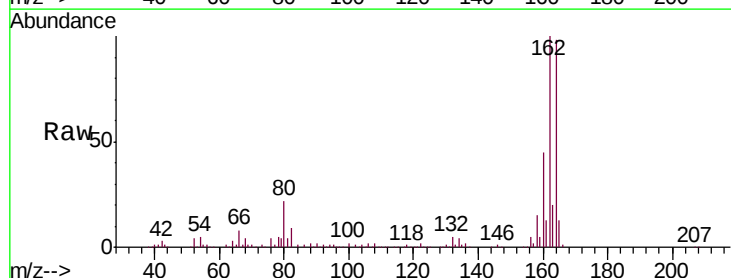
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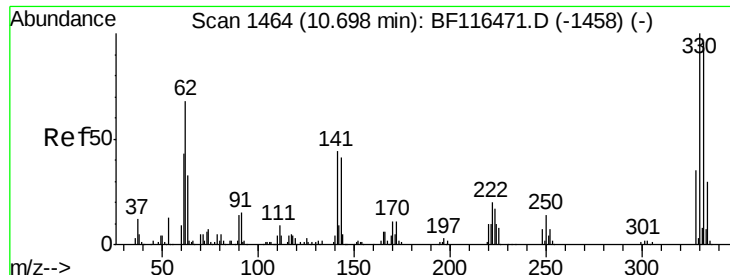
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: BF116500.D
 Acq: 24 Aug 2019 1:49

Tgt Ion	164	Resp	158817
Ion Ratio	Lower	Upper	
164	100		
162	102.2	82.6	123.8
160	46.1	35.8	53.8





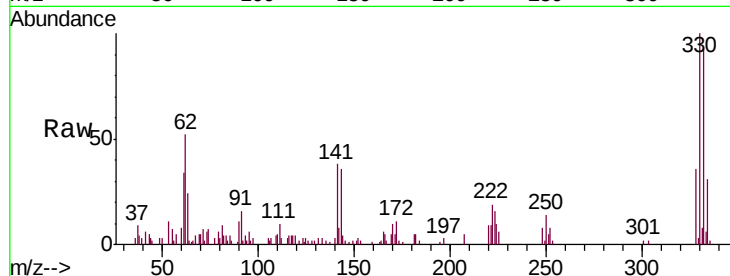
#42
 2,4,6-Tribromophenol
 Concen: 13.232 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116500.D
 Acq: 24 Aug 2019 1:49

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-082219

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	77.2	115.8	
141	42.6	33.3	49.9	

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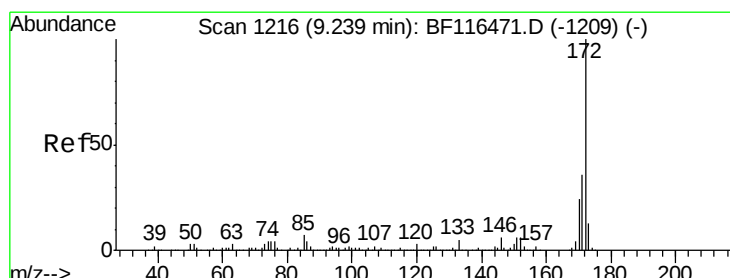
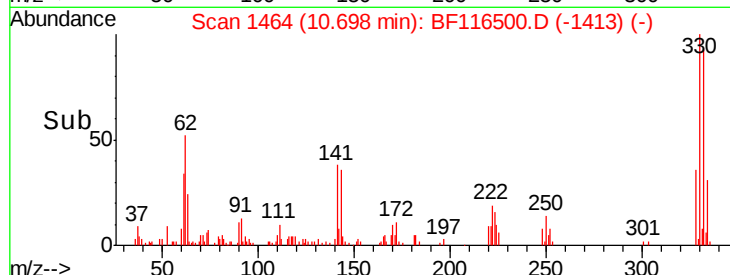
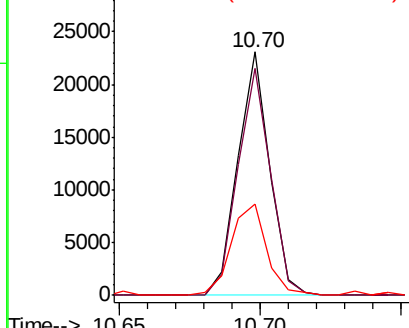


Abundance

Ion 329.80 (329.50 to 330.50): E

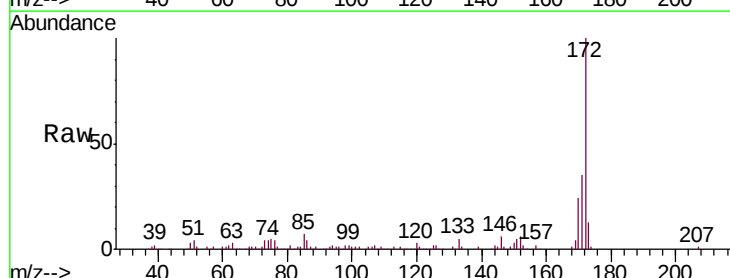
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 13.931 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF116500.D
 Acq: 24 Aug 2019 1:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	28.9	43.3	
170	23.7	19.4	29.0	

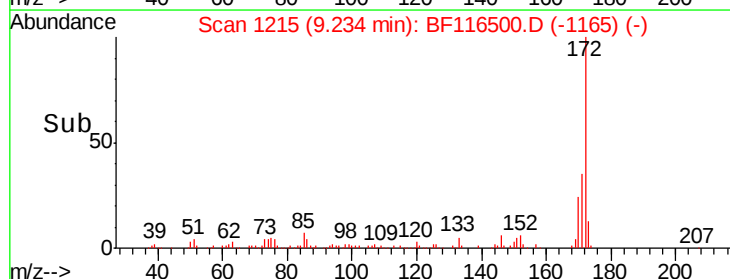
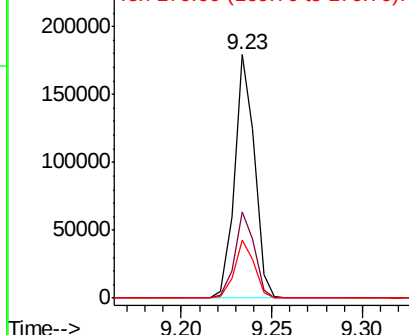


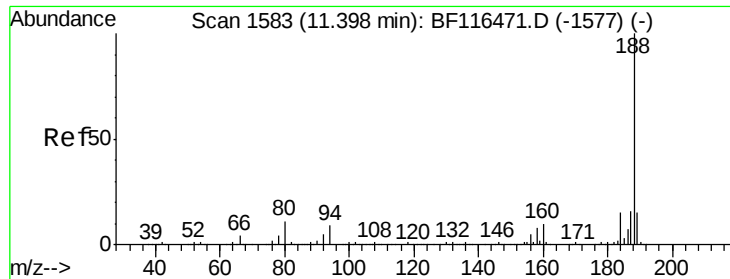
Abundance

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





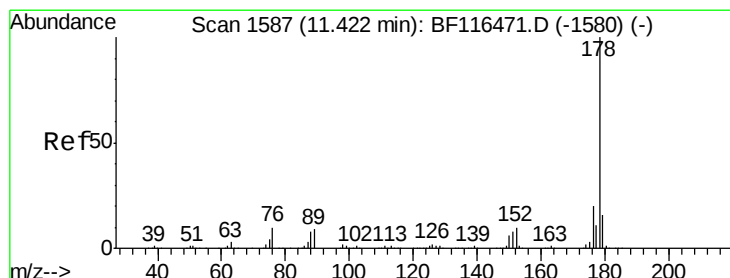
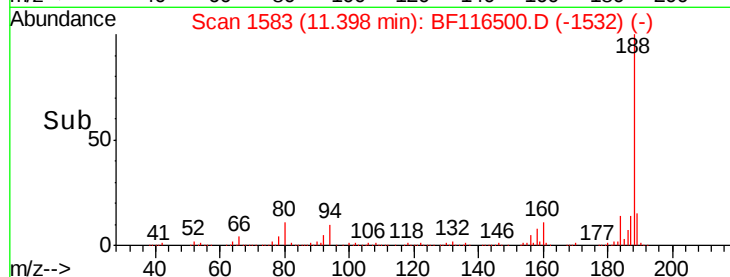
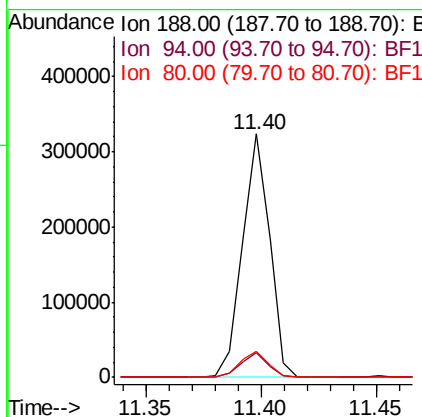
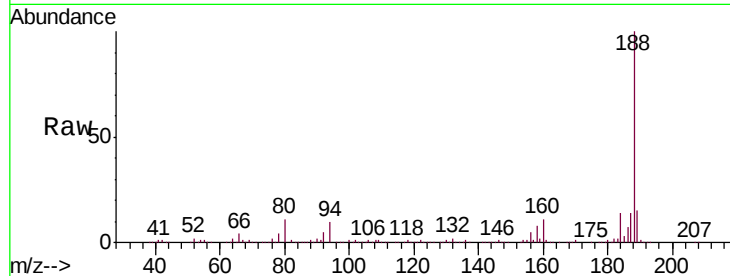
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

Instrument :
BNA_F
ClientSampleId :
OR-03-082219

Tot Ion:	188	Resp:	266901
Ion Ratio	Lower	Upper	
188	100		
94	10.2	7.4	11.2
80	10.7	8.6	12.8

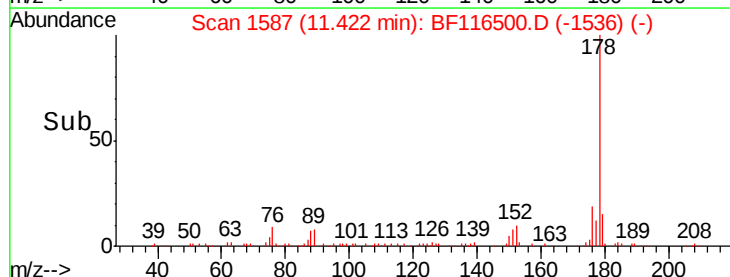
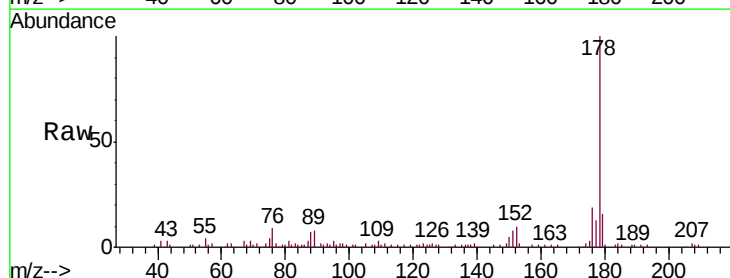
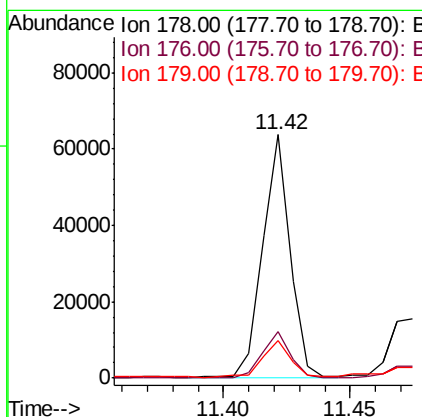
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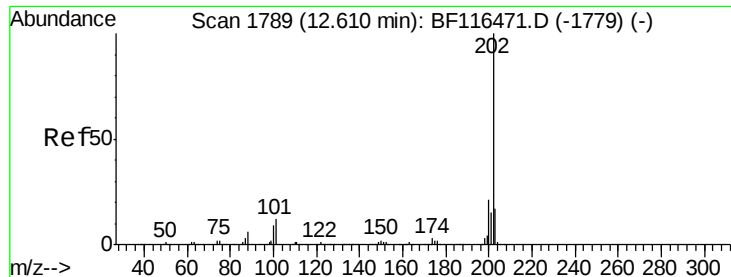
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#71
Phenanthrene
Concen: 3.361 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

Tgt Ion:	178	Resp:	48865
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.8	23.6
179	15.7	12.8	19.2





#75

Fluoranthene

Concen: 5.152 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BF116500.D

Acq: 24 Aug 2019 1:49

Instrument :

BNA_F

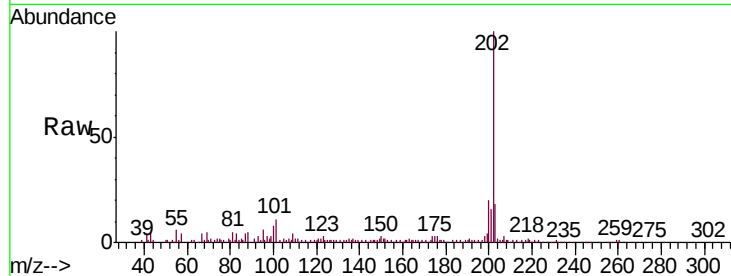
ClientSampleId :

OR-03-082219

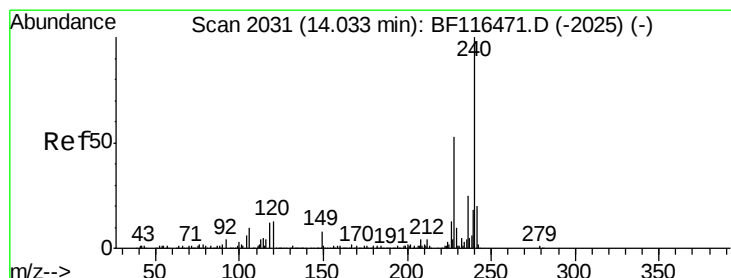
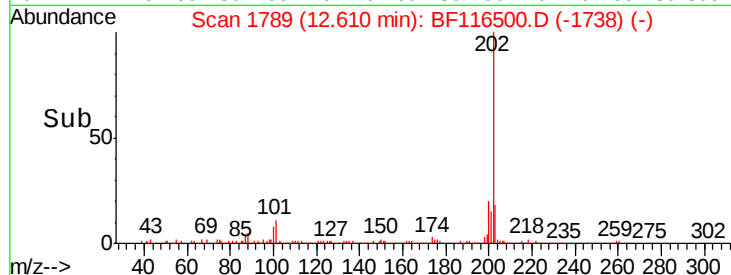
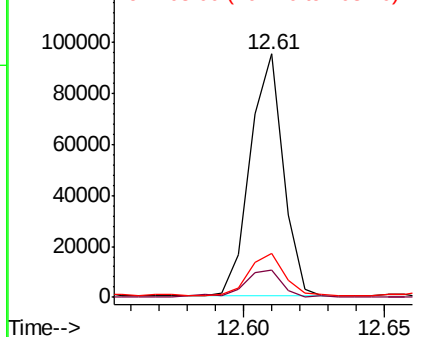
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		77451		
101	11.1	0.0	31.5		
203	18.2	0.0	37.5		

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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

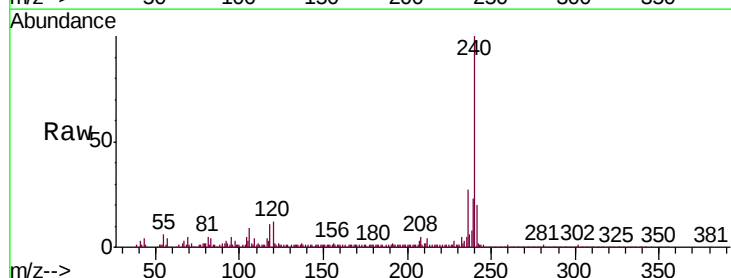
RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

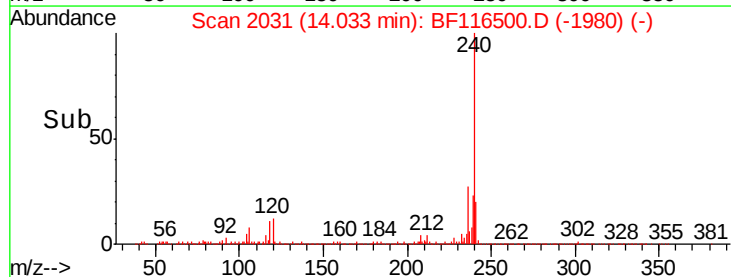
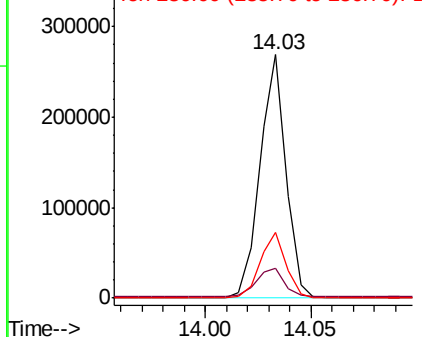
Lab File: BF116500.D

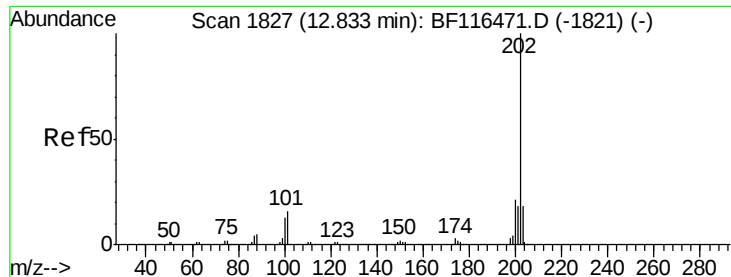
Acq: 24 Aug 2019 1:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		228028		
120	12.1	10.5	15.7		
236	26.8	20.2	30.2		



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: 4.292 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF116500.D

Acq: 24 Aug 2019 1:49

Instrument :

BNA_F

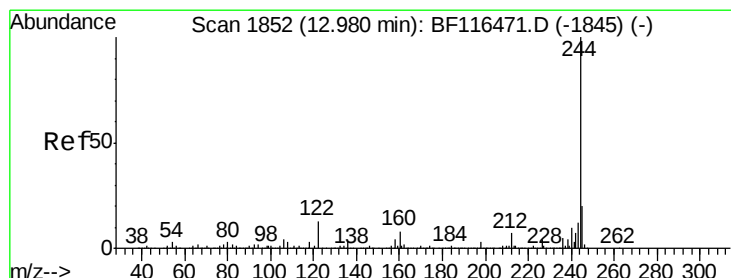
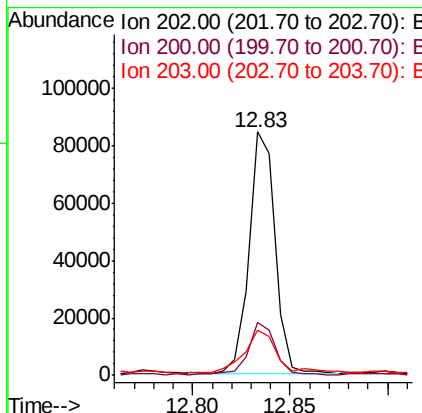
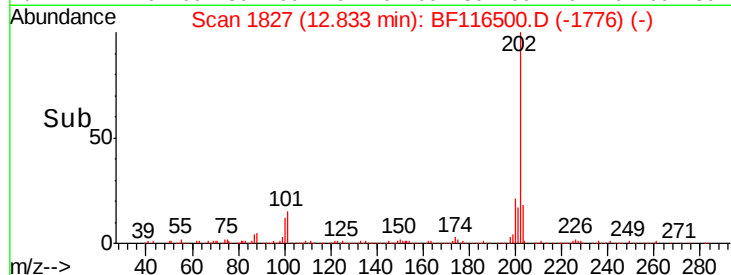
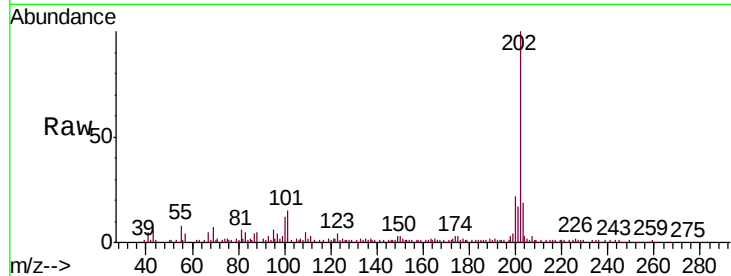
ClientSampleId :

OR-03-082219

Tot Ion:	202	Resp:	78261
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.0	25.4
203	18.6	14.2	21.4

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#79

Terphenyl-d14

Concen: 11.624 ng

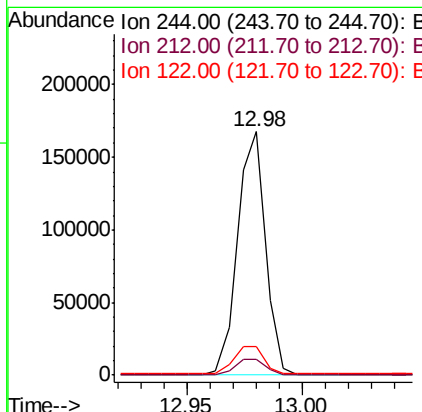
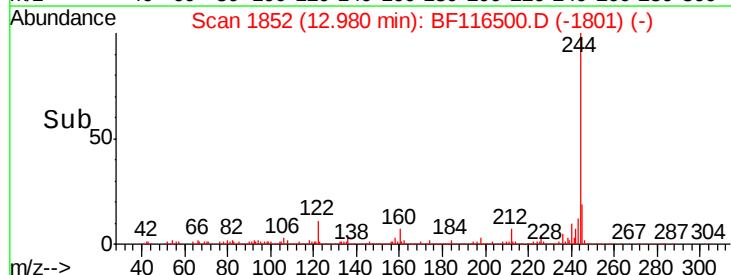
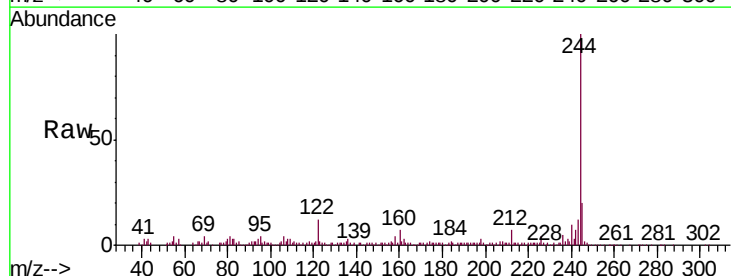
RT: 12.98 min Scan# 1852

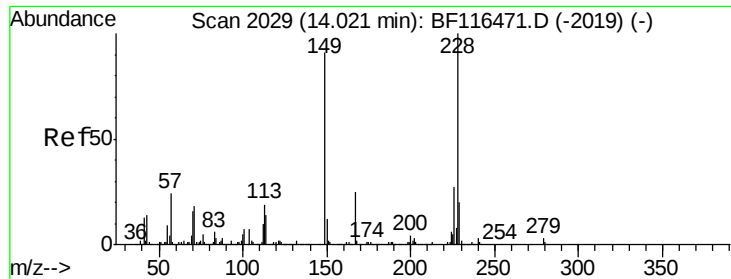
Delta R.T. -0.00 min

Lab File: BF116500.D

Acq: 24 Aug 2019 1:49

Tgt Ion:	244	Resp:	141900
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.7	8.5
122	11.7	10.2	15.4





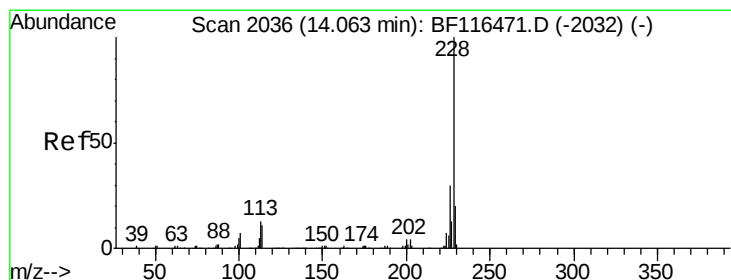
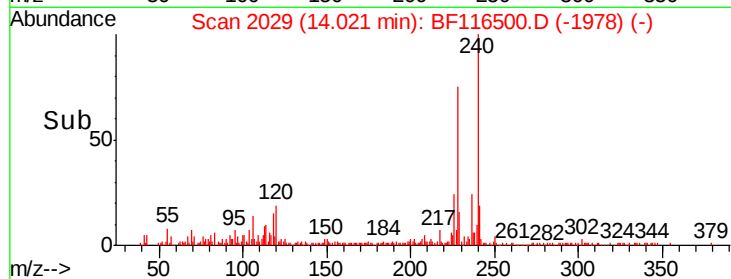
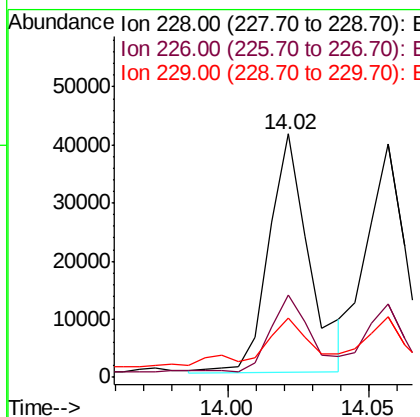
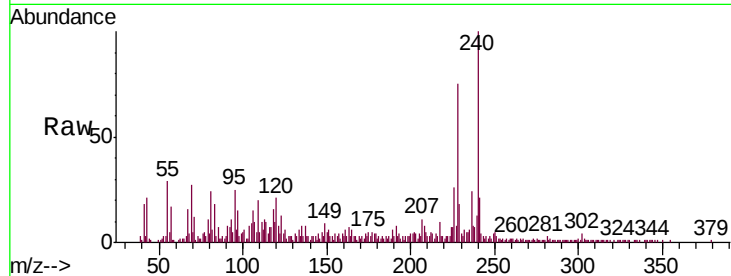
#81
Benzo(a)anthracene
Concen: 2.765 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

Instrument :
BNA_F
ClientSampleId :
OR-03-082219

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.0	21.8	32.6#
229	24.3	15.9	23.9#

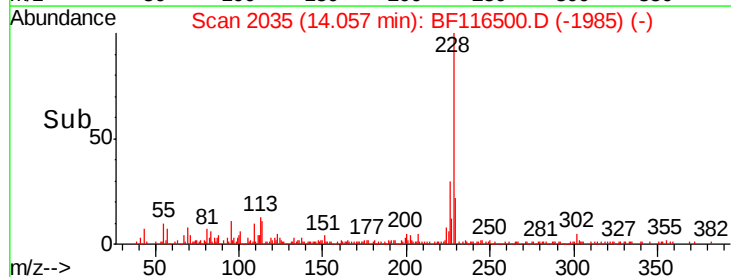
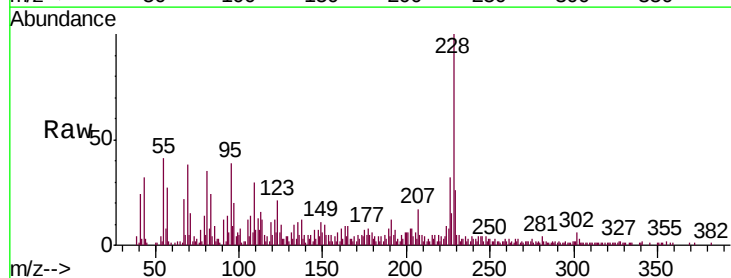
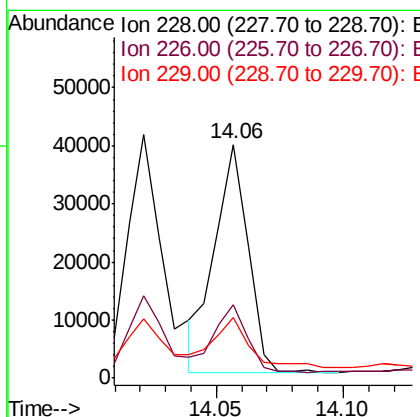
Manual Integrations
APPROVED

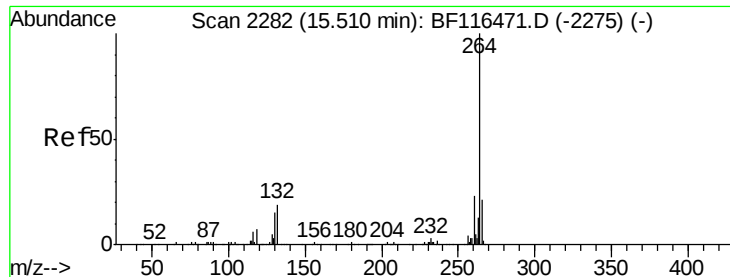
Jagrut
8/28/2019 8:09:17 AM



#83
Chrysene
Concen: 2.439 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.2	36.2
229	26.0	15.8	23.6#





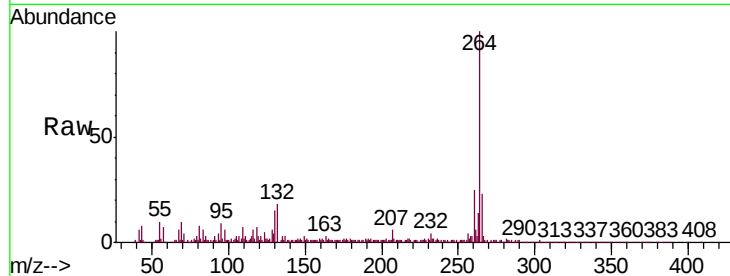
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

Instrument :
BNA_F
ClientSampleId :
OR-03-082219

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.8	28.2
265	23.0	17.1	25.7

Manual Integrations
APPROVED

Jagrut
8/28/2019 8:09:17 AM

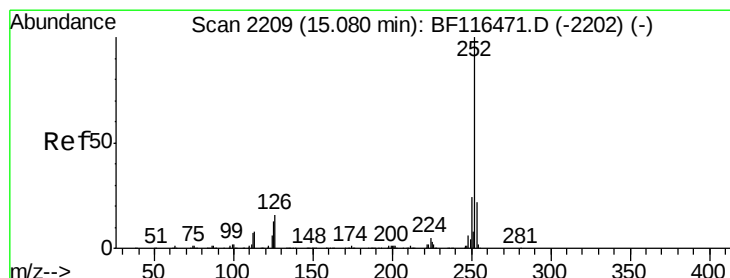
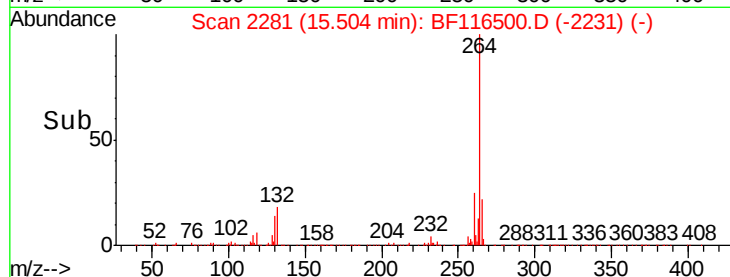
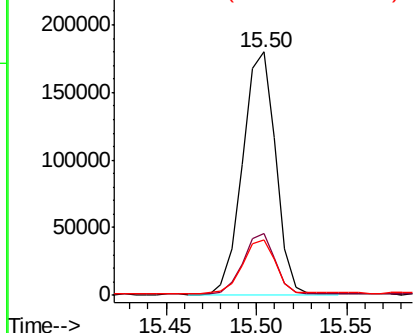


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 3.265 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

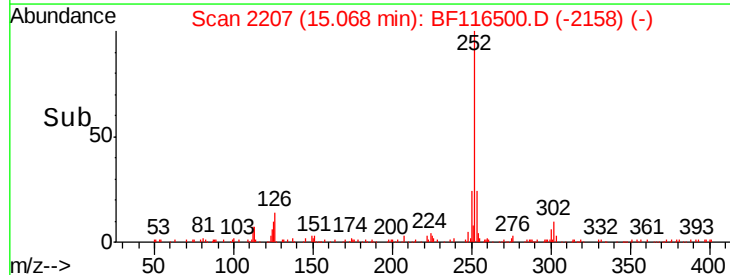
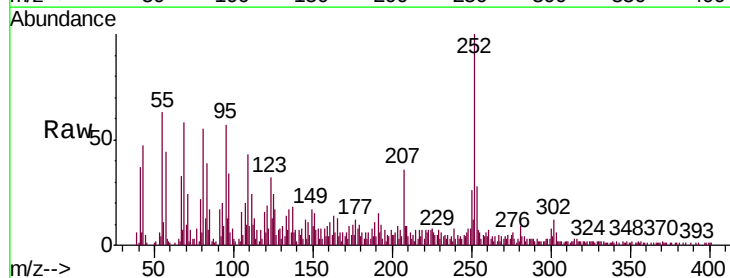
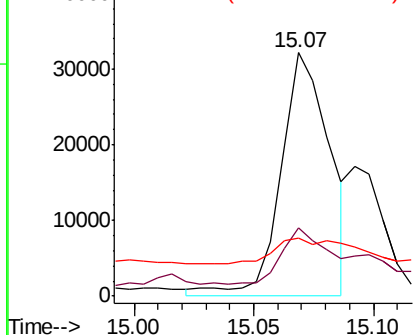
Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.5	26.3#
125	23.7	10.1	15.1#

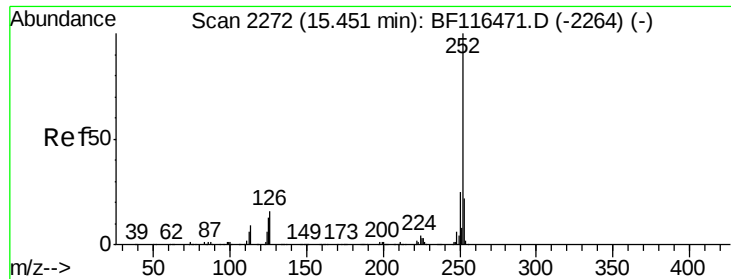
Abundance

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: 2.526 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF116500.D
 Acq: 24 Aug 2019 1:49

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-082219

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.2	25.8
125	27.3	10.2	15.4

Manual Integrations
 APPROVED

Jagrut
 8/28/2019 8:09:17 AM

