

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
 Data File : BF112359.D
 Acq On : 1 Feb 2019 18:46
 Operator : JU/SJ
 Sample : K1011-13 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Feb 01 23:58:07 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	140969	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	511623	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	214828	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	330567	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	325912	20.00	ng	0.00
87) Perylene-d12	15.47	264	334864	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	195400	29.44	ng	-0.01
7) Phenol-d6	6.48	99	238998	25.92	ng	-0.01
23) Nitrobenzene-d5	7.40	82	142215	16.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	49937	19.97	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	281224	18.51	ng	-0.01
79) Terphenyl-d14	12.94	244	210604	12.17	ng	-0.01
Target Compounds						
71) Phenanthrene	11.38	178	99342	5.780	ng	99
75) Fluoranthene	12.57	202	98919	5.367	ng	98
78) Pyrene	12.80	202	85531	3.791	ng	98
81) Benzo(a)anthracene	13.99	228	47438	2.476	ng	97
83) Chrysene	14.03	228	39398	2.154	ng	98
88) Benzo(b)fluoranthene	15.04	252	50030m	2.498	ng	
90) Benzo(a)pyrene	15.41	252	40686	2.258	ng	# 95

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

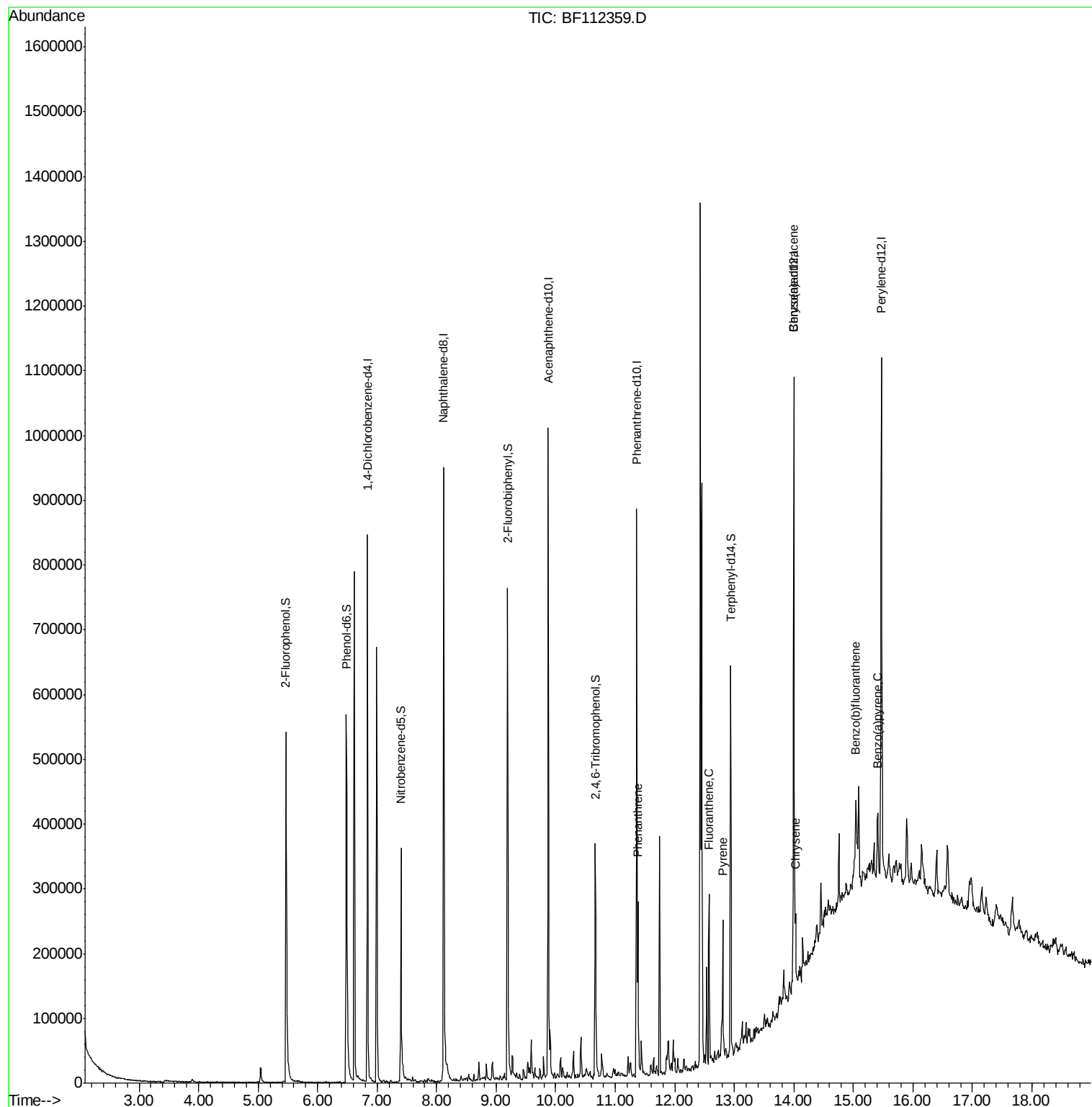
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
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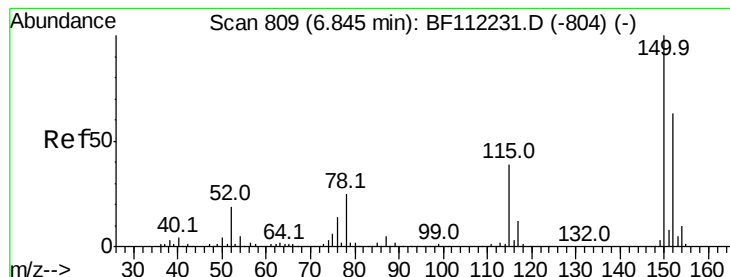
Instrument :
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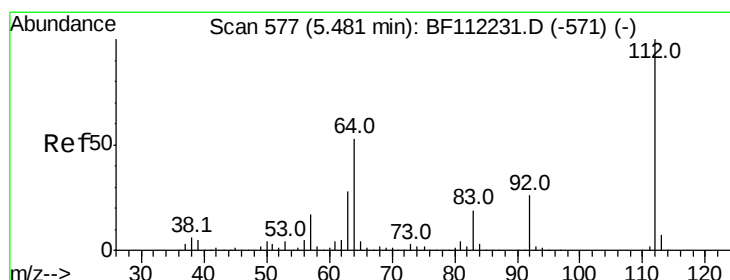
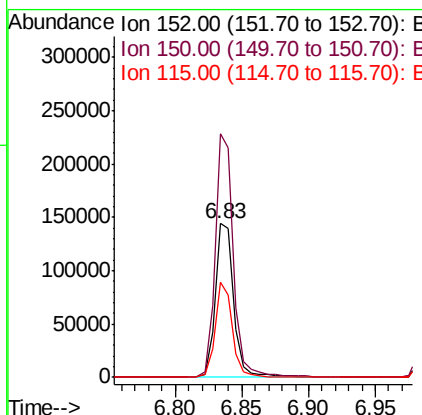
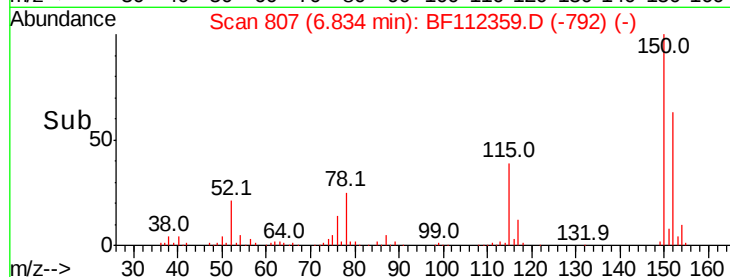
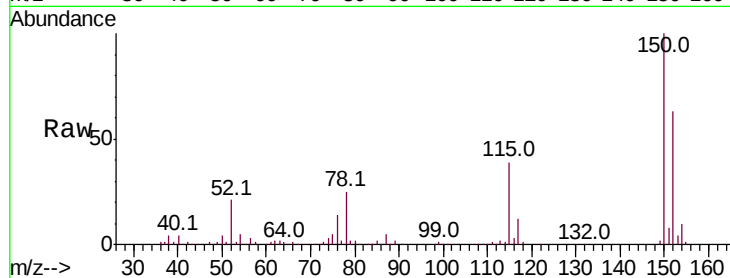
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112359.D
 Acq: 1 Feb 2019 18:46

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	127.4	191.0
115	61.8	45.5	68.3

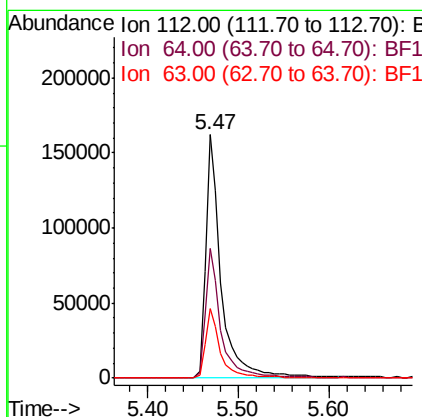
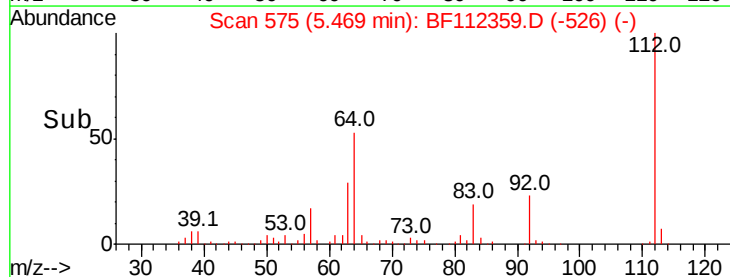
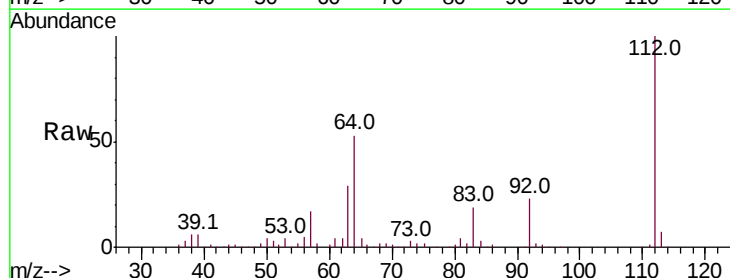
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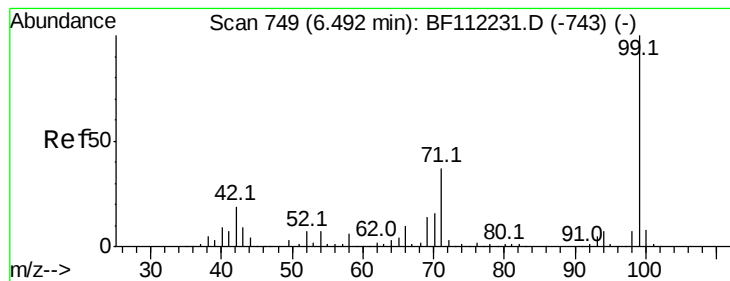
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#5
 2-Fluorophenol
 Concen: 29.442 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF112359.D
 Acq: 1 Feb 2019 18:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	45.7	68.5
63	28.6	23.6	35.4





#7

Phenol-d6

Concen: 25.916 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112359.D

Acq: 1 Feb 2019 18:46

Instrument :

BNA_F

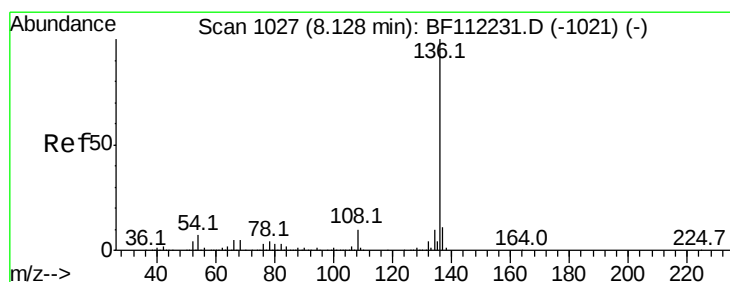
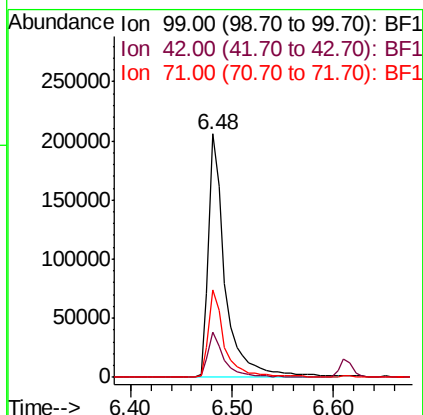
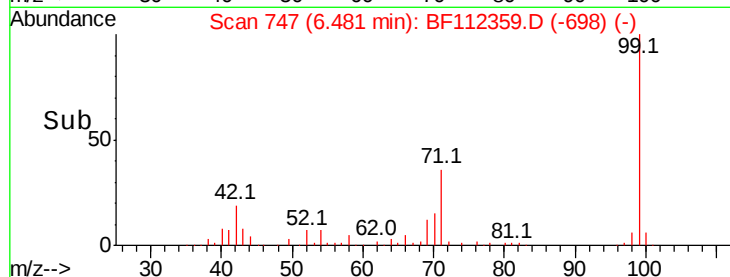
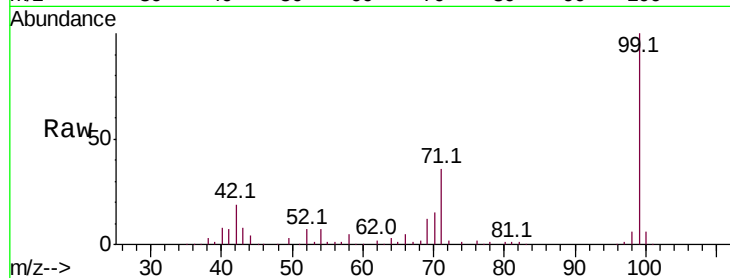
ClientSampleId :

OR-02-013119-A

Tot Ion	Ratio	Resp	Lower	Upper
99	100	238998		
42	18.6	15.1	22.7	
71	35.7	26.9	40.3	

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#21

Naphthalene-d8

Concen: 20.000 ng

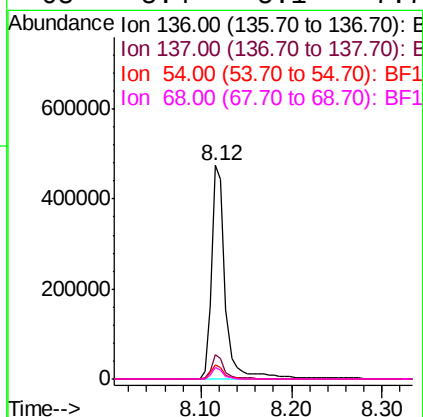
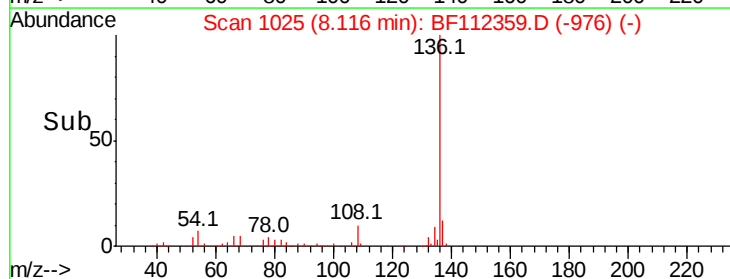
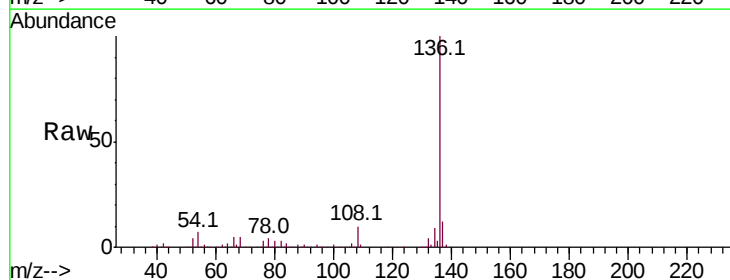
RT: 8.12 min Scan# 1025

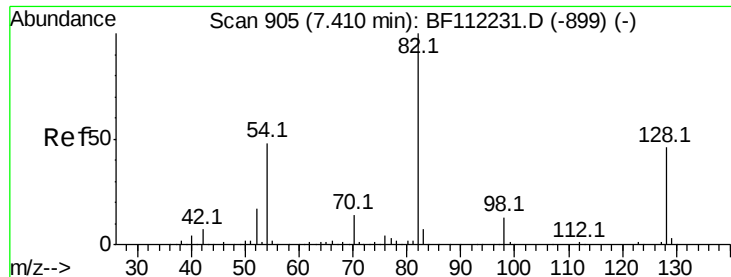
Delta R.T. -0.01 min

Lab File: BF112359.D

Acq: 1 Feb 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	511623		
137	11.6	9.1	13.7	
54	6.7	5.9	8.9	
68	5.4	5.1	7.7	





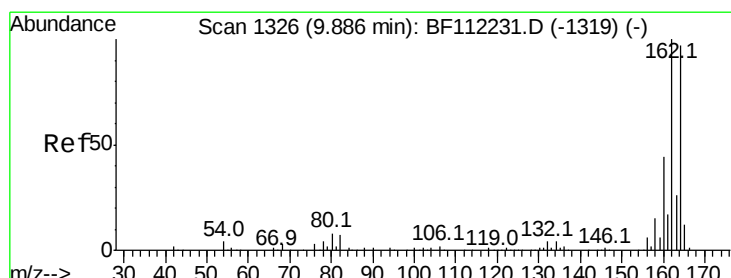
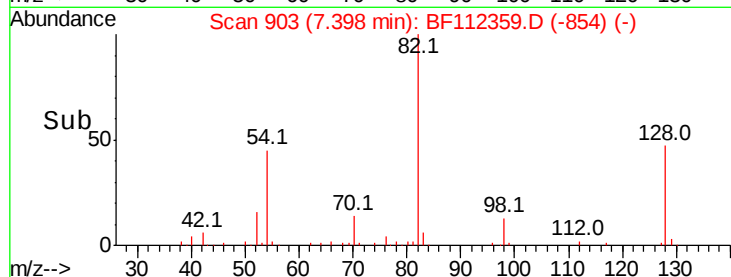
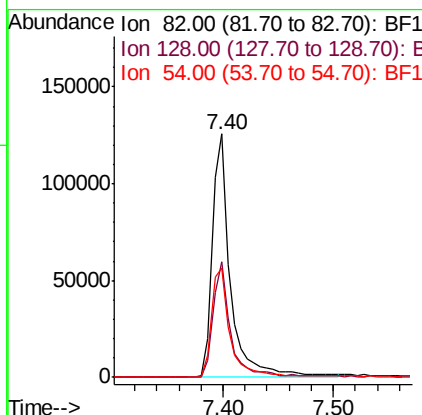
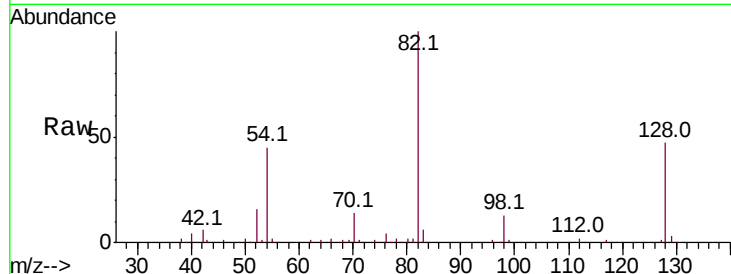
#23
Nitrobenzene-d5
Concen: 16.016 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.8	56.8
54	44.7	39.7	59.5

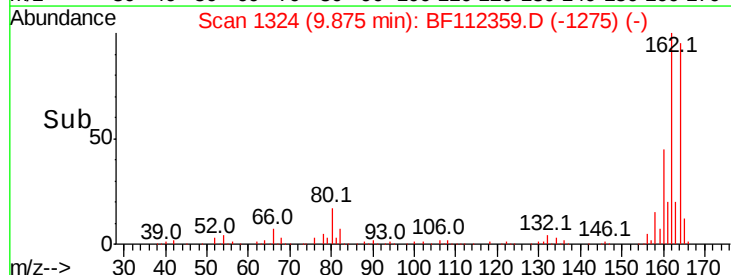
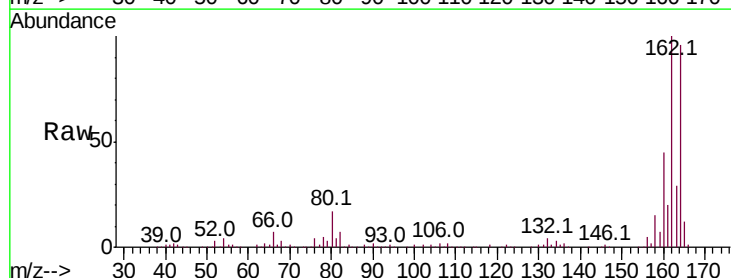
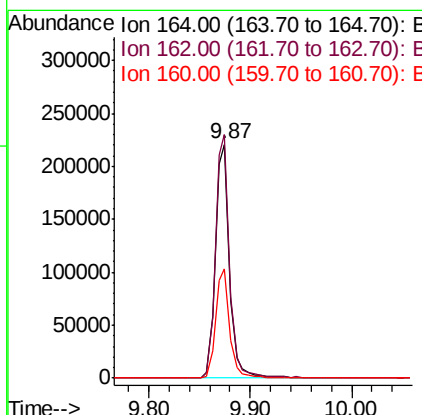
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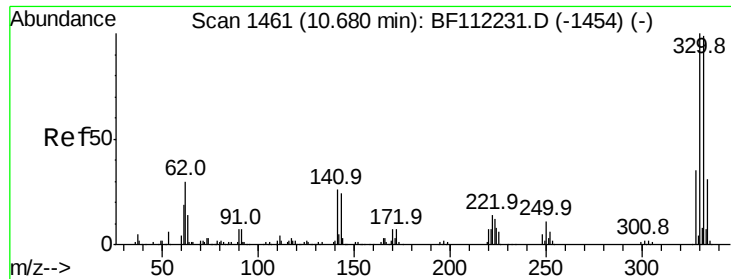
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.2	123.4
160	46.6	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 19.971 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112359.D

Acq: 1 Feb 2019 18:46

Instrument :

BNA_F

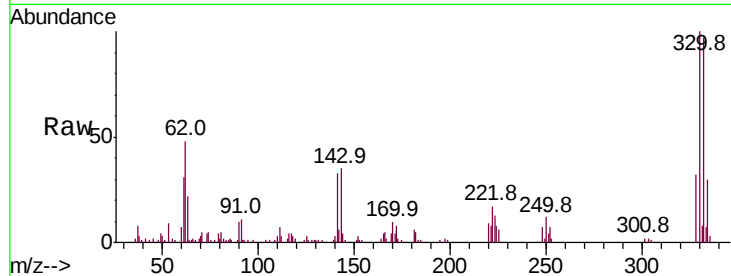
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OR-02-013119-A

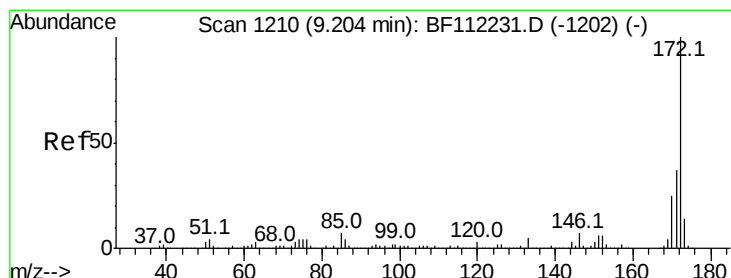
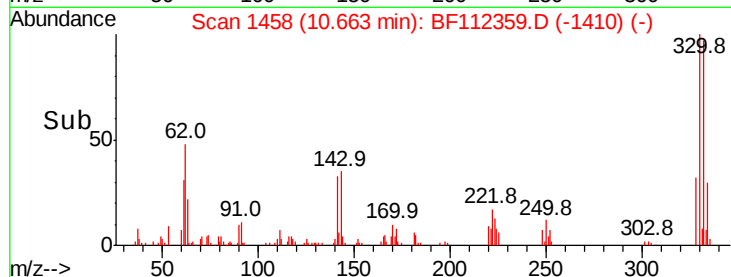
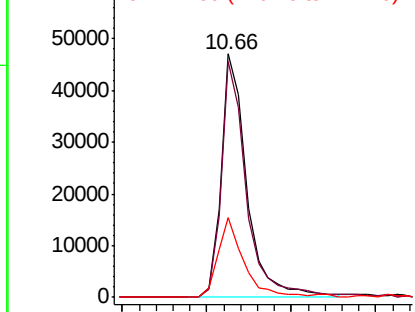
Tot Ion:	330	Resp:	49937
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.6	114.8
141	33.5	24.3	36.5

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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: 18.515 ng

RT: 9.19 min Scan# 1208

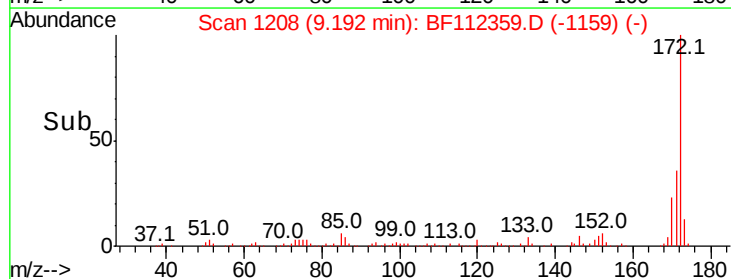
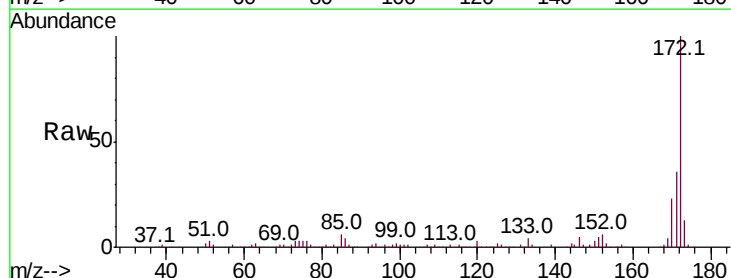
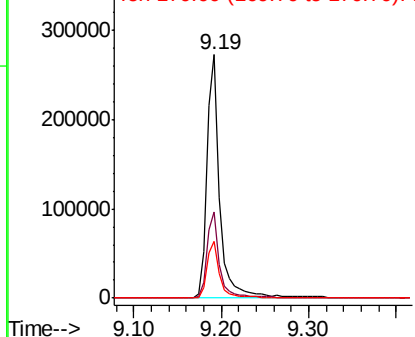
Delta R.T. -0.01 min

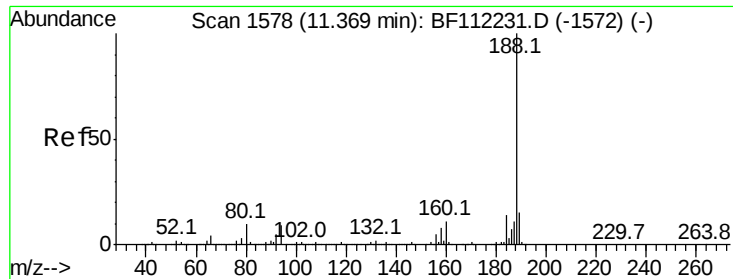
Lab File: BF112359.D

Acq: 1 Feb 2019 18:46

Tgt Ion:	172	Resp:	281224
Ion Ratio	Lower	Upper	
172	100		
171	35.5	30.5	45.7
170	23.2	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





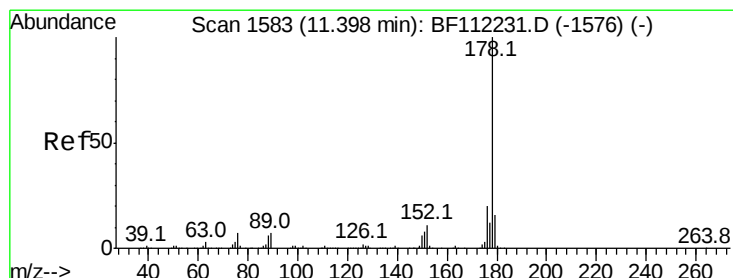
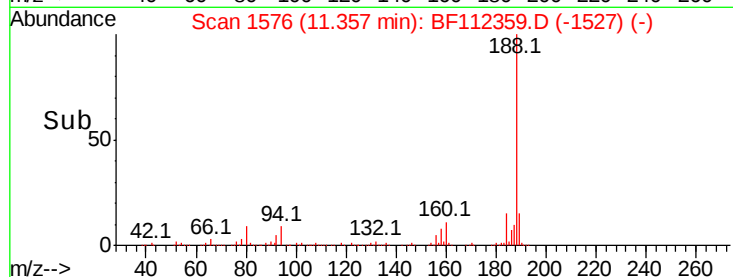
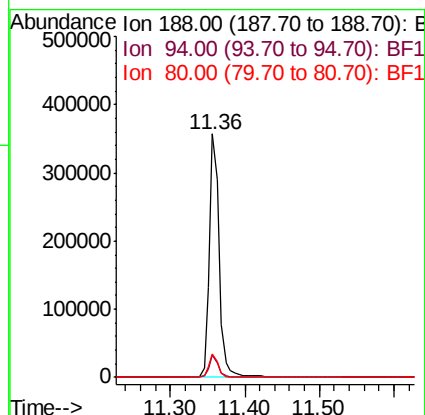
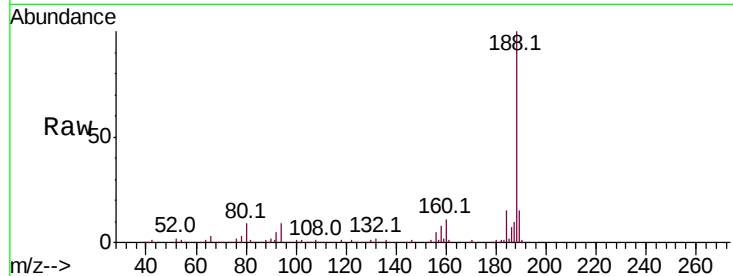
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.9	8.2	12.2	
80	9.5	8.9	13.3	

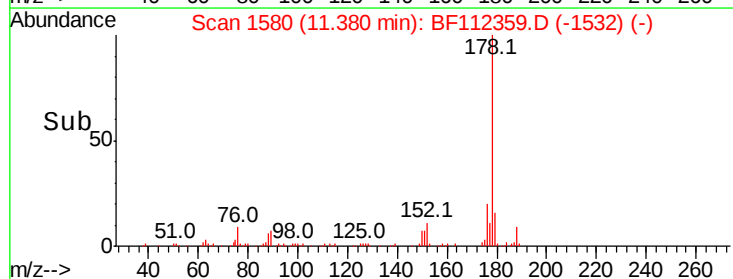
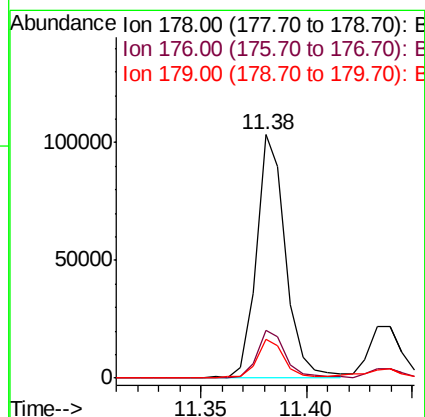
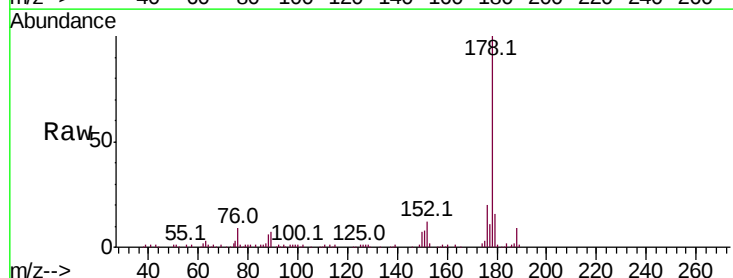
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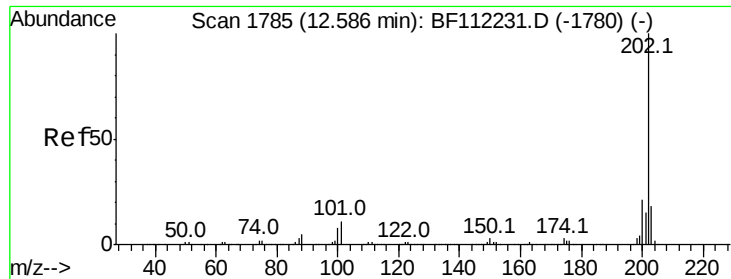
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#71
Phenanthrene
Concen: 5.780 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.7	16.3	24.5	
179	15.7	13.0	19.4	





#75

Fluoranthene

Concen: 5.367 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112359.D

Acq: 1 Feb 2019 18:46

Instrument :

BNA_F

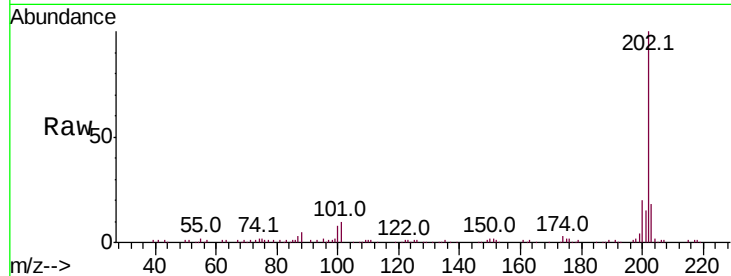
ClientSampleId :

OR-02-013119-A

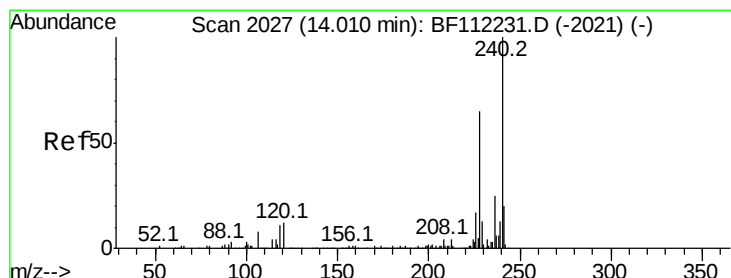
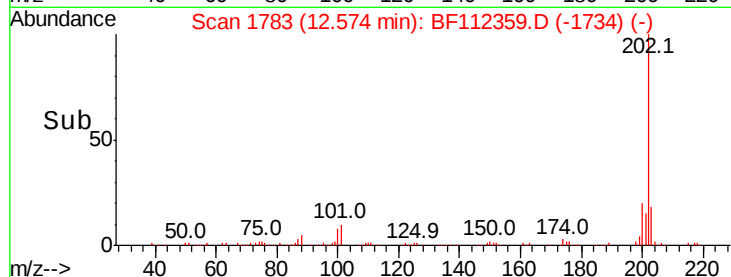
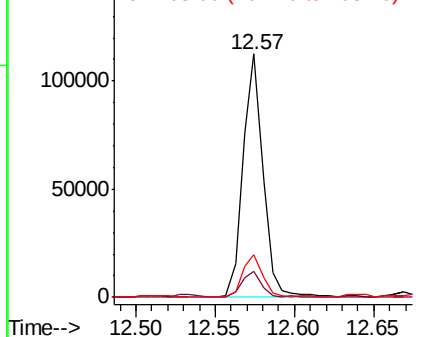
Tot Ion:	202	Resp:	98919
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	31.8
203	17.7	0.0	38.4

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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

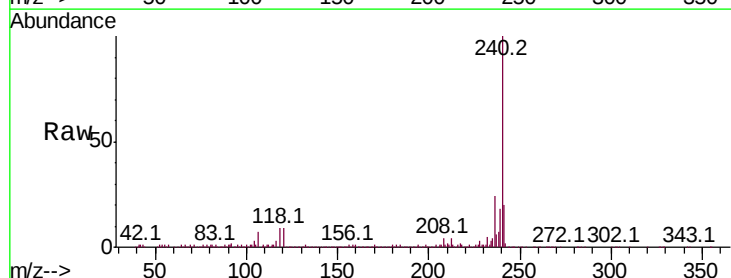
RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

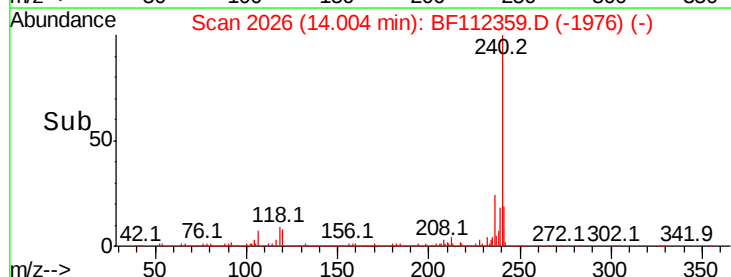
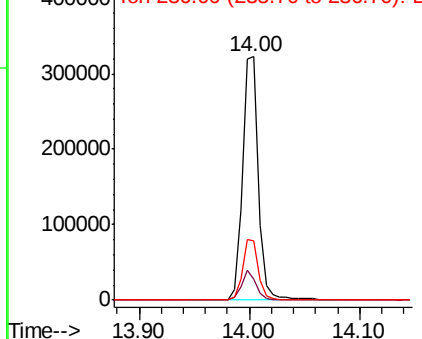
Lab File: BF112359.D

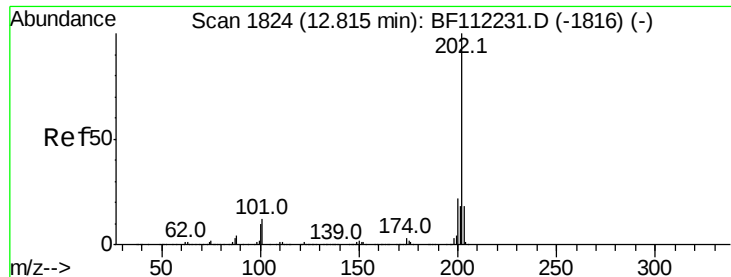
Acq: 1 Feb 2019 18:46

Tgt Ion:	240	Resp:	325912
Ion Ratio	Lower	Upper	
240	100		
120	8.6	9.0	13.6#
236	24.5	20.7	31.1



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





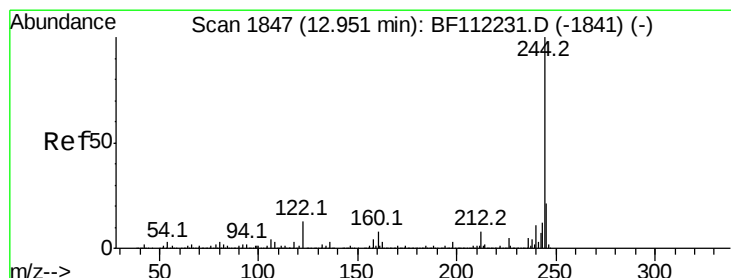
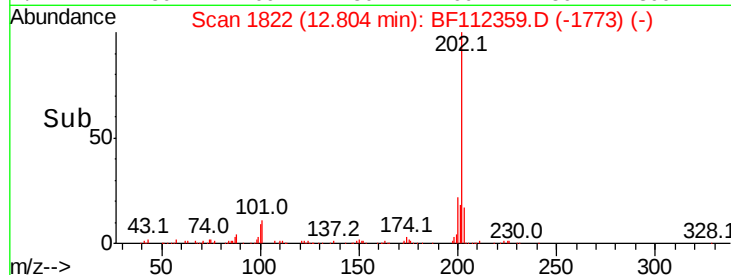
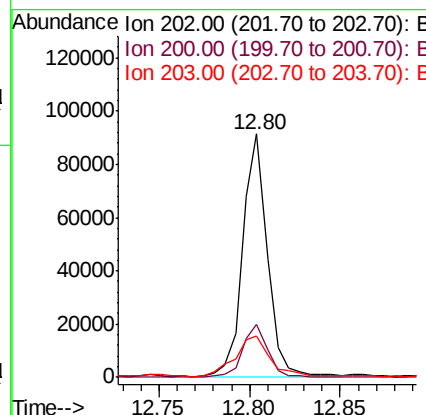
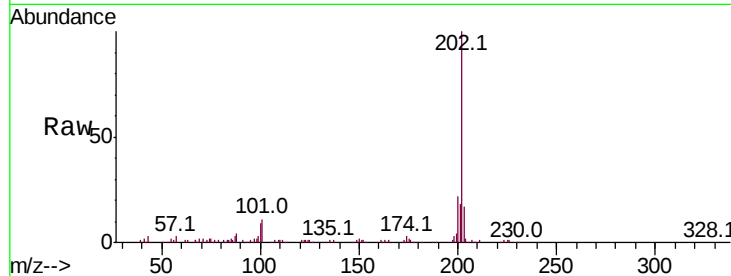
#78
Pvrene
Concen: 3.791 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	17.3	14.6	22.0

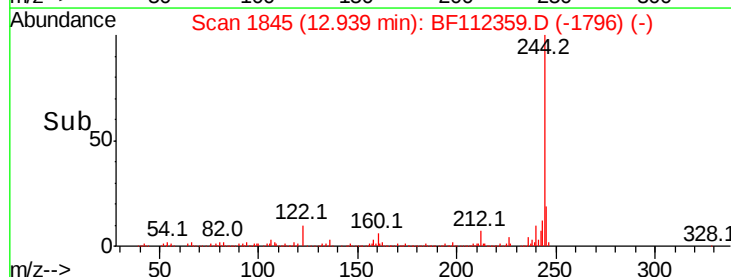
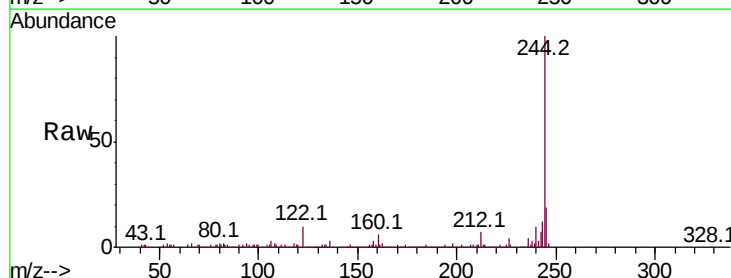
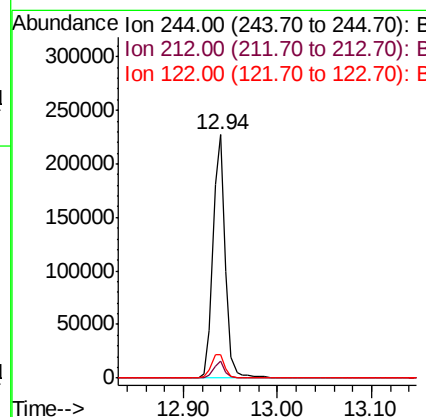
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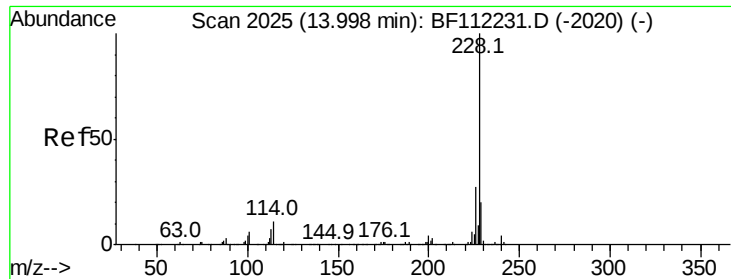
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#79
Terphenyl-d14
Concen: 12.171 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

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





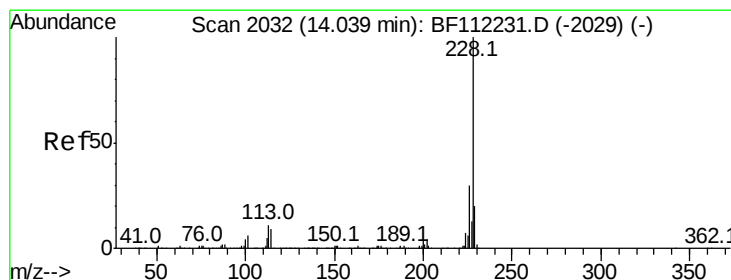
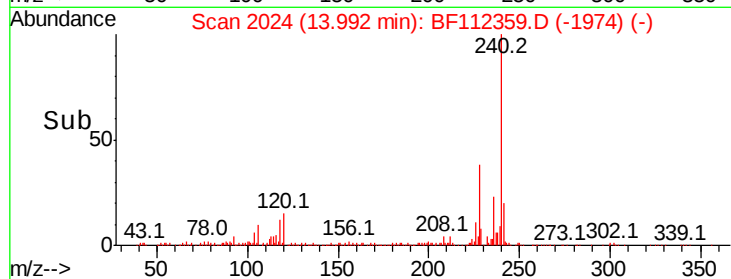
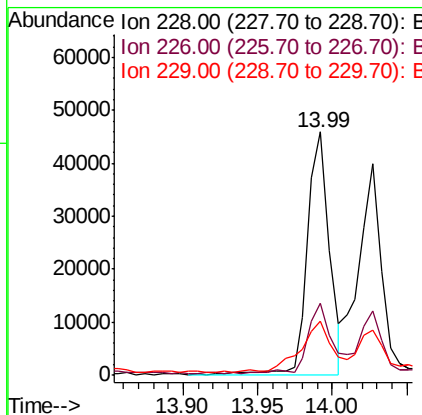
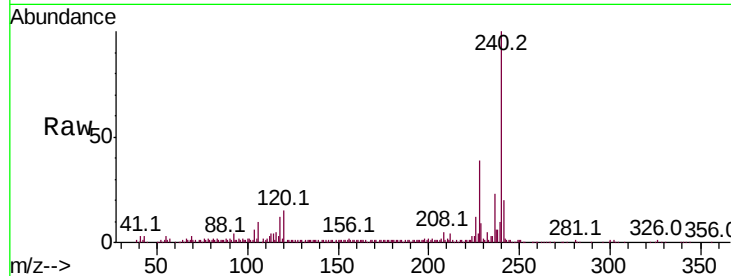
#81
Benzo(a)anthracene
Concen: 2.476 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	34.0
229	22.5	16.5	24.7

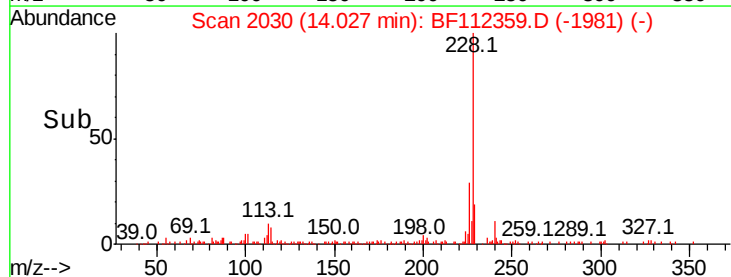
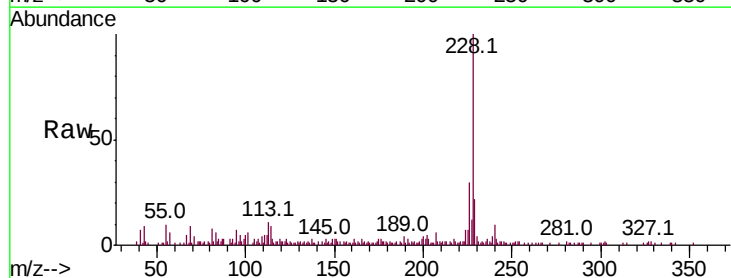
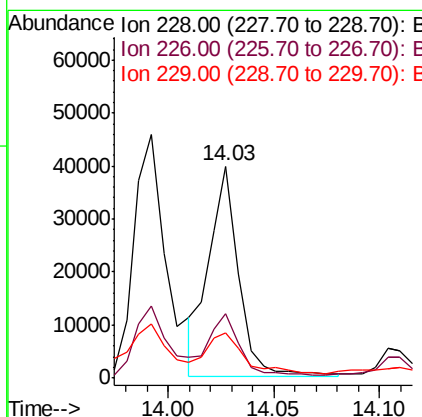
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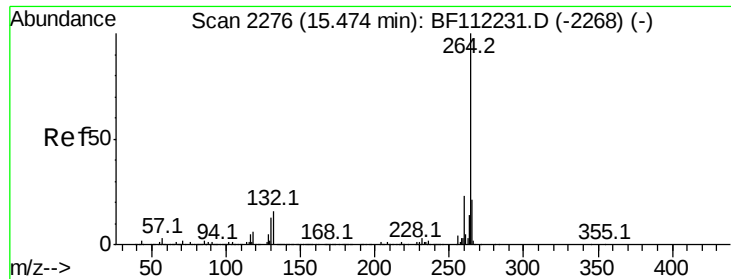
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#83
Chrysene
Concen: 2.154 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.6	16.6	24.8





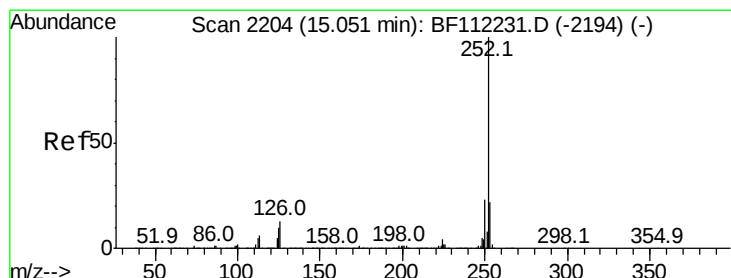
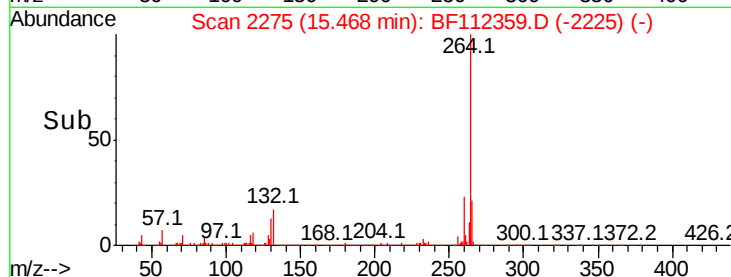
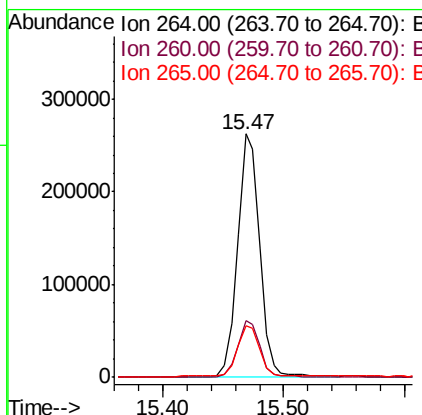
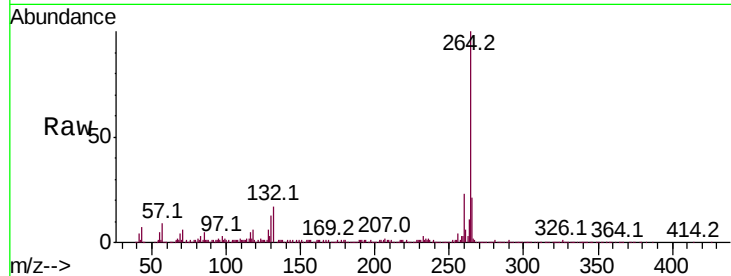
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.2
265	21.4	17.0	25.4

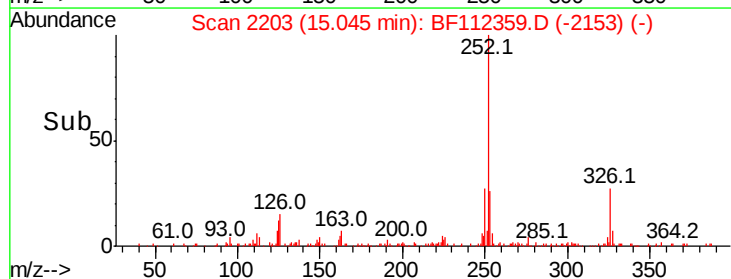
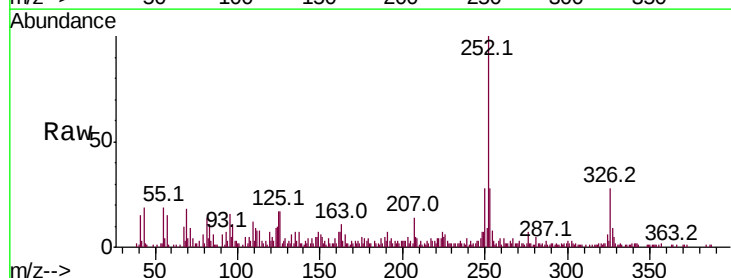
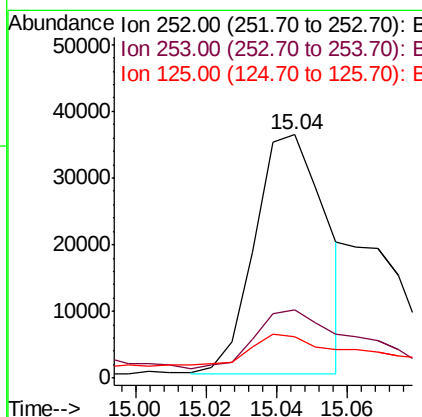
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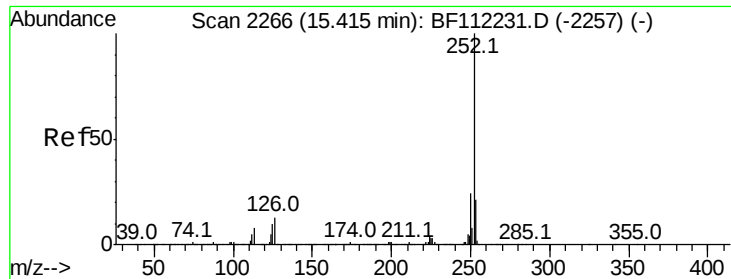
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#88
Benzo(b)fluoranthene
Concen: 2.498 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.0	18.0	27.0#
125	16.8	8.7	13.1#





#90
Benzo(a)pyrene
Concen: 2.258 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	16.7	9.0	13.4

Manual Integrations
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