

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
 Data File : BF121880.D
 Acq On : 7 Oct 2020 18:31
 Operator : JU/CG
 Sample : L4224-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100620

Manual Integrations
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Quant Time: Oct 08 00:57:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	130299	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	499327	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	223779	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	358480	20.00	ng	0.00
76) Chrysene-d12	13.93	240	312034	20.00	ng	0.00
86) Perylene-d12	15.37	264	237503	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	68702	7.84	ng	0.00
7) Phenol-d6	6.41	99	89857	7.81	ng	0.00
23) Nitrobenzene-d5	7.33	82	58345	6.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.60	330	16058	5.77	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	121494	8.22	ng	-0.01
79) Terphenyl-d14	12.87	244	101114	6.56	ng	-0.01
Target Compounds						
71) Phenanthrene	11.31	178	70564	3.613	ng	98
75) Fluoranthene	12.50	202	99259	4.761	ng	99
78) Pyrene	12.73	202	89965	3.946	ng	99
81) Benzo(a)anthracene	13.92	228	44389	2.249	ng	94
83) Chrysene	13.95	228	40638m	2.033	ng	
88) Benzo(b)fluoranthene	14.96	252	38406m	2.419	ng	

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

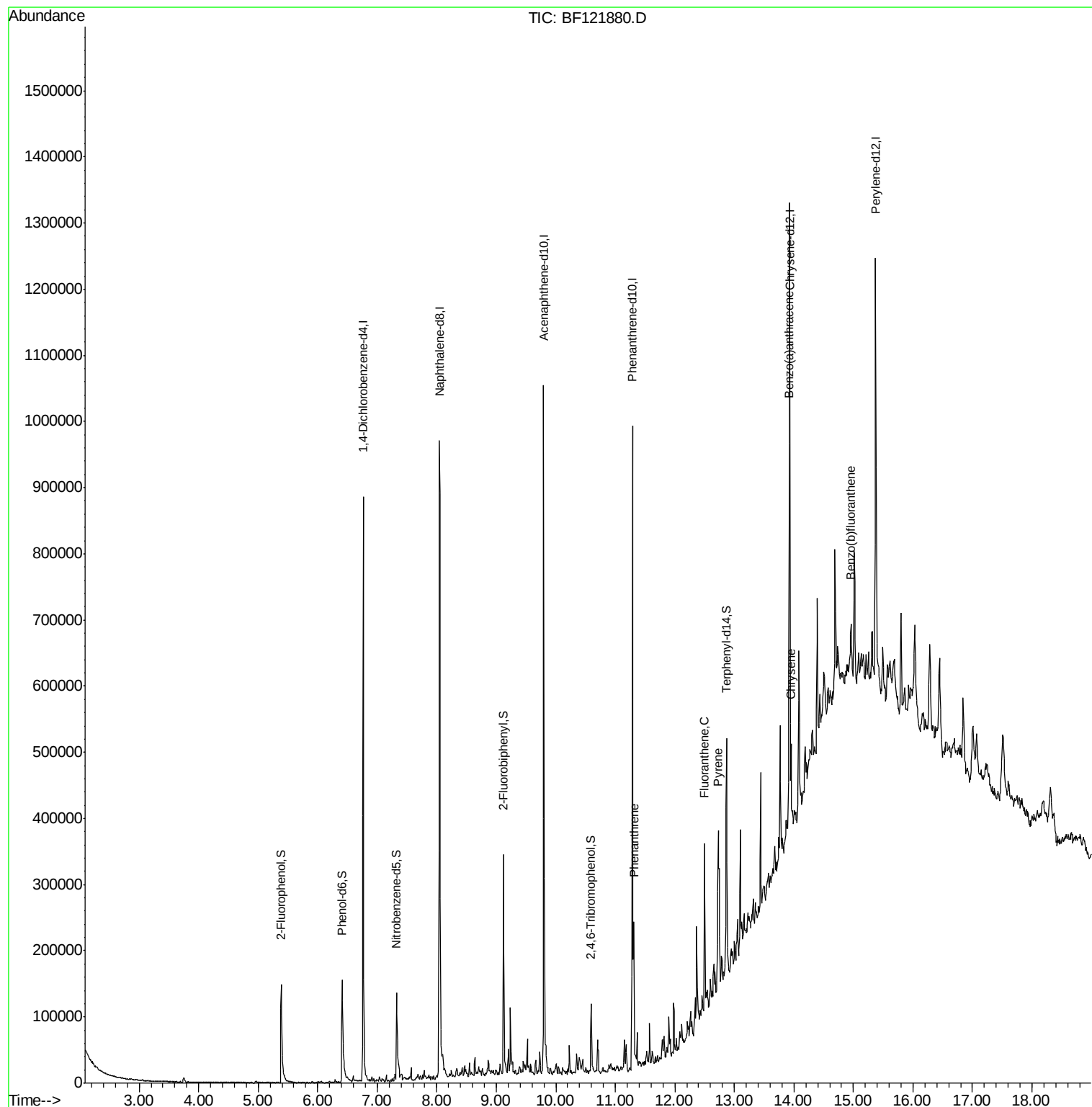
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
Data File : BF121880.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

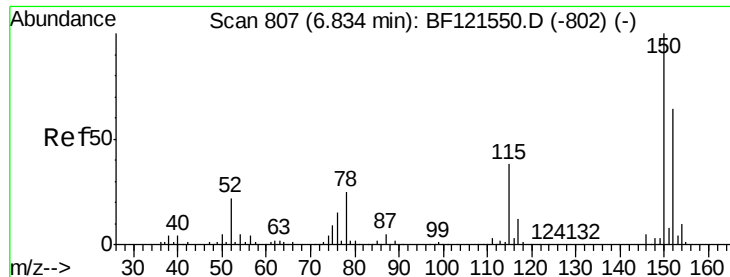
Instrument :
BNA_F
ClientSampleId :
OR-02-100620

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Quant Time: Oct 08 00:57:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration





#1

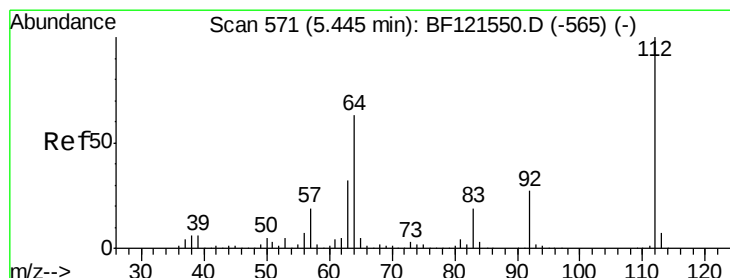
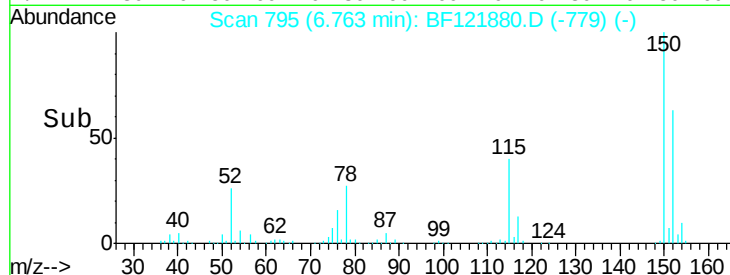
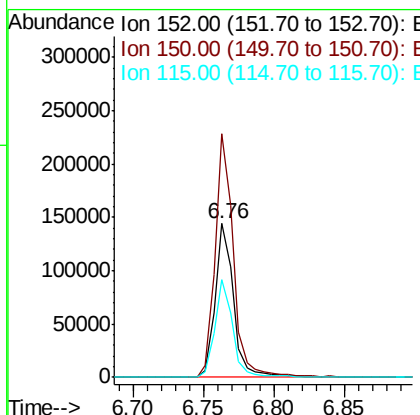
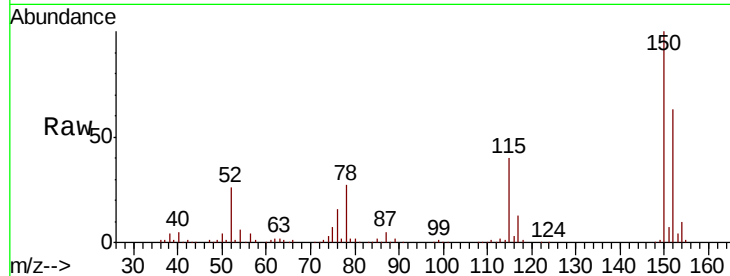
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Instrument :
BNA_F
ClientSampleId :
OR-02-100620

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	125.3	187.9
115	63.4	51.9	77.9

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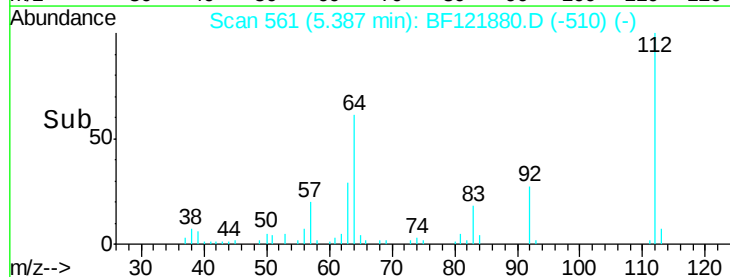
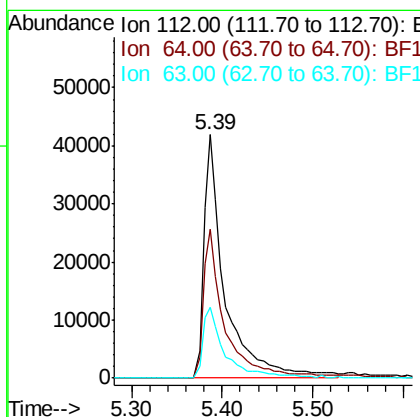
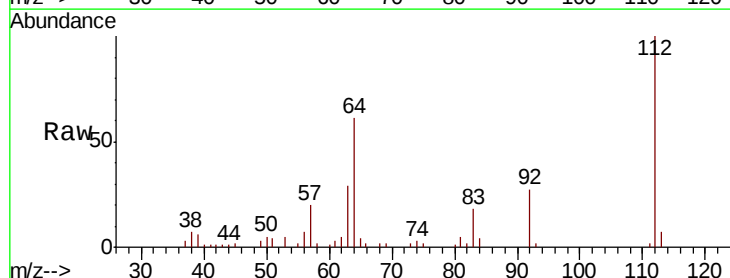
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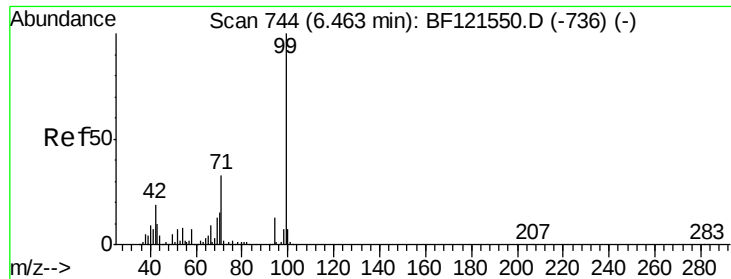


#5

2-Fluorophenol
Concen: 7.836 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	50.4	75.6
63	29.2	25.8	38.6





#7

Phenol-d6

Concen: 7.812 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121880.D

Acq: 7 Oct 2020 18:31

Instrument :

BNA_F

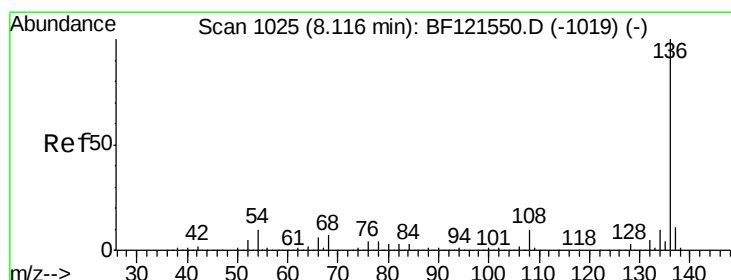
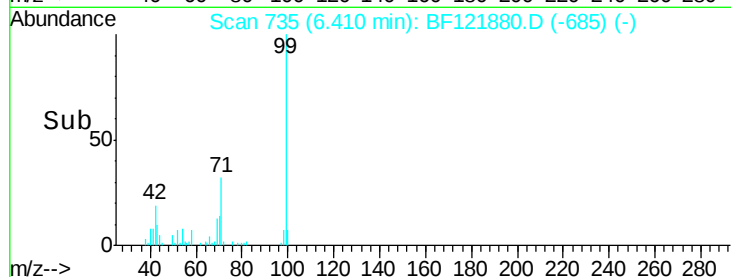
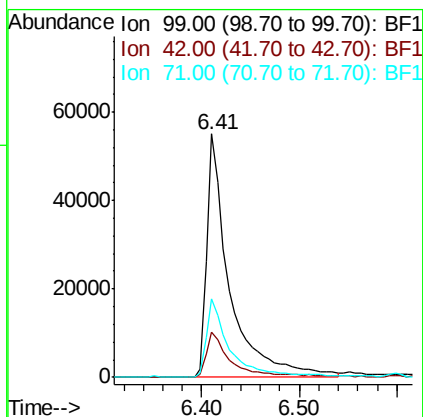
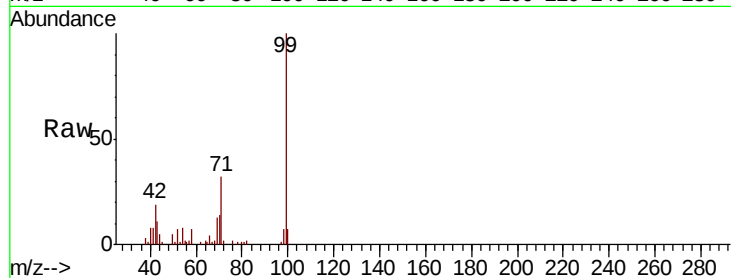
ClientSampleId :

OR-02-100620

Tot Ion:	99	Resp:	89857
Ion Ratio	Lower	Upper	
99	100		
42	18.8	15.9	23.9
71	32.0	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

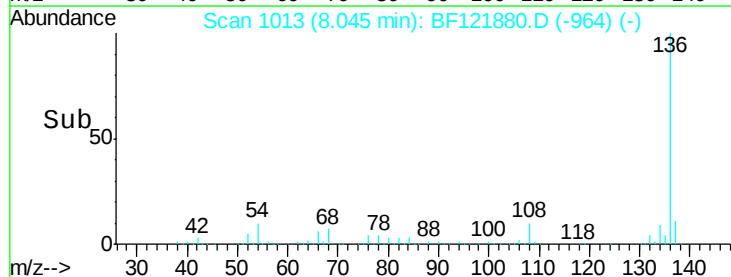
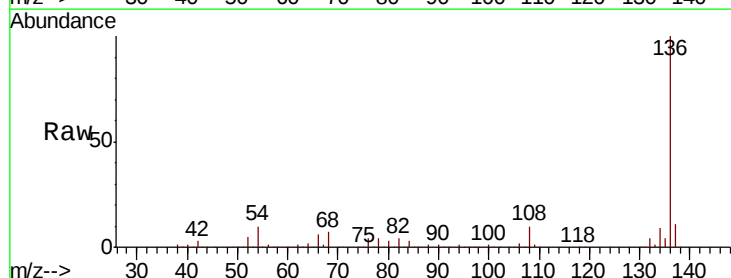
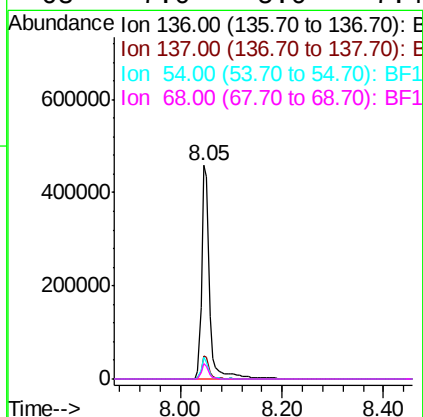
RT: 8.05 min Scan# 1013

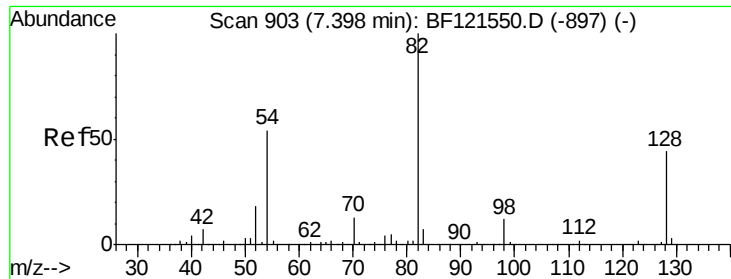
Delta R.T. -0.01 min

Lab File: BF121880.D

Acq: 7 Oct 2020 18:31

Tgt Ion:	136	Resp:	499327
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	10.1	7.1	10.7
68	7.0	5.0	7.4





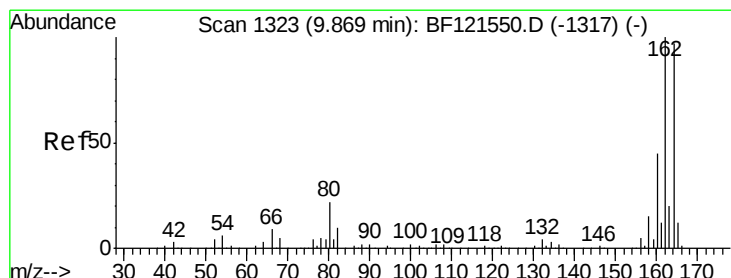
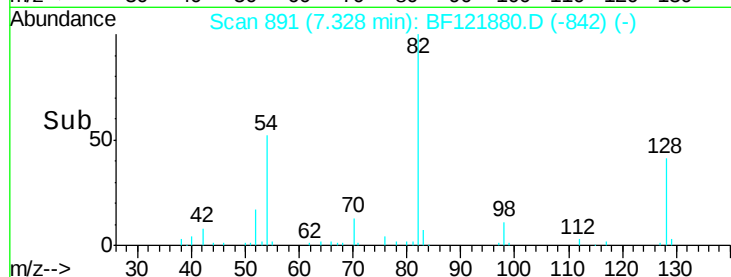
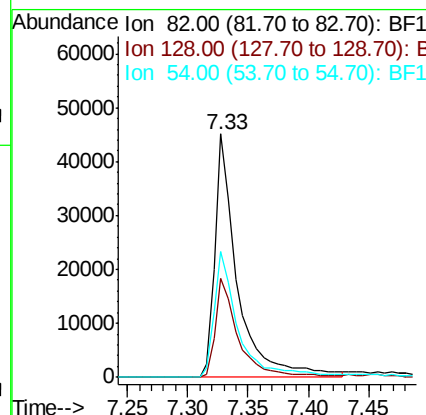
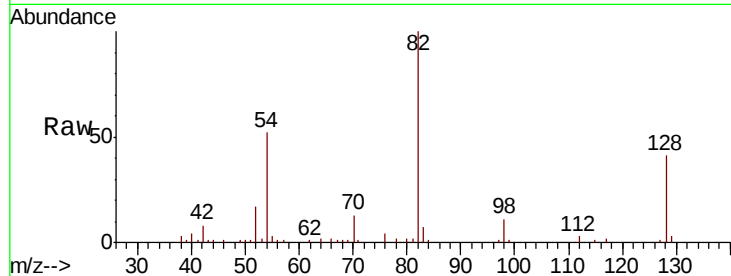
#23
Nitrobenzene-d5
Concen: 6.274 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Instrument :
BNA_F
ClientSampleId :
OR-02-100620

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.8	35.0	52.4
54	51.9	43.9	65.9

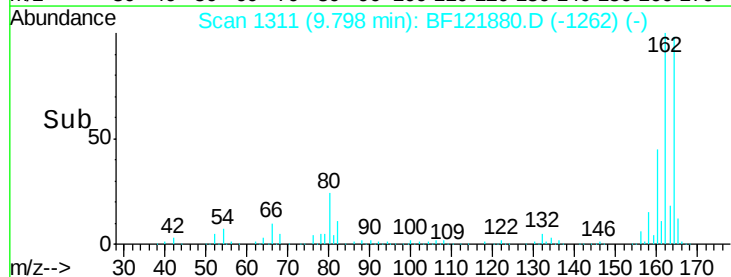
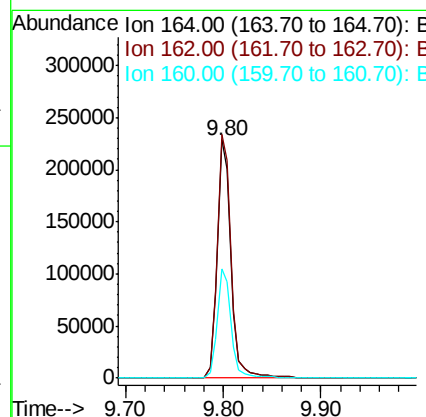
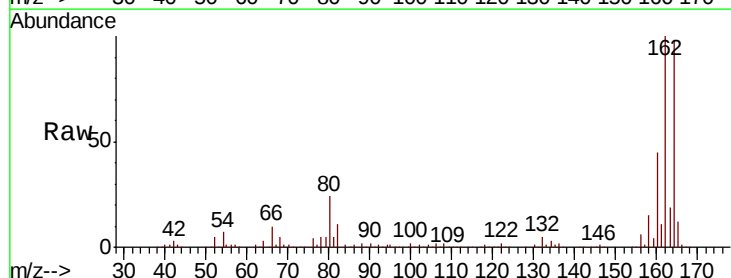
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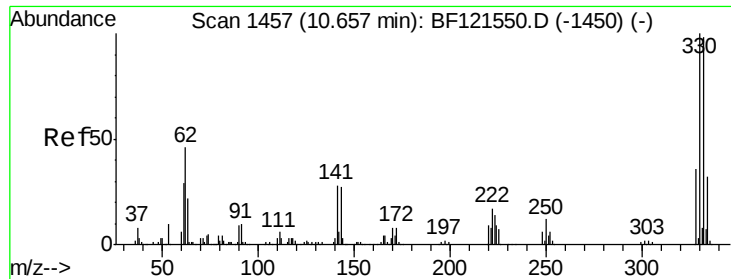
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	83.2	124.8
160	45.6	37.5	56.3





#42

2,4,6-Tribromophenol

Concen: 5.774 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF121880.D

Acq: 7 Oct 2020 18:31

Instrument :

BNA_F

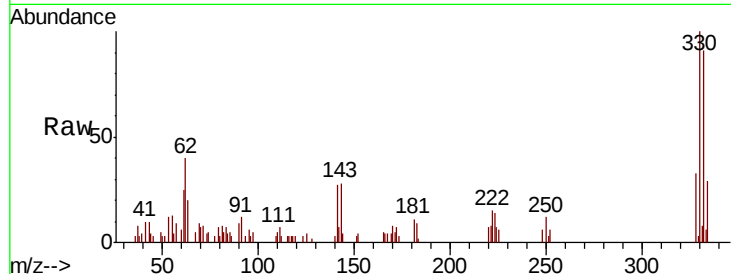
ClientSampleId :

OR-02-100620

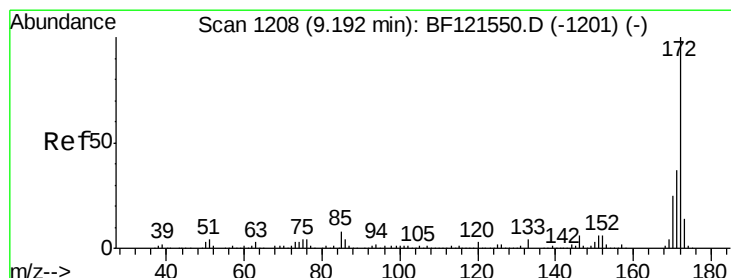
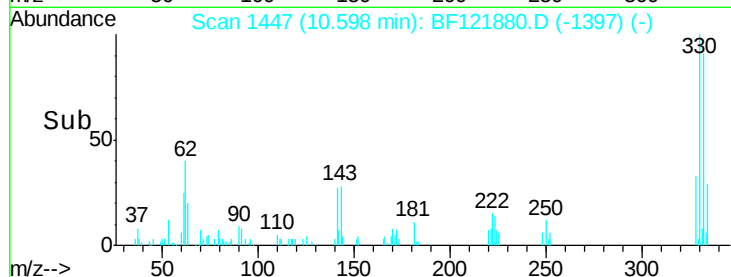
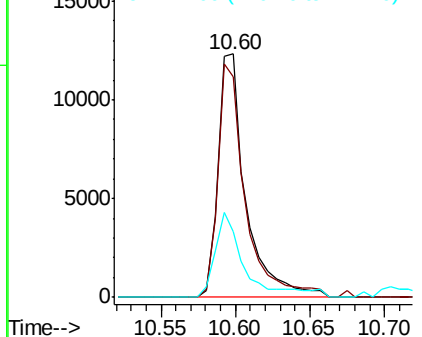
Tot Ion:	330	Resp:	16058
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.3	115.9
141	36.8	22.3	33.5#

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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: 8.223 ng

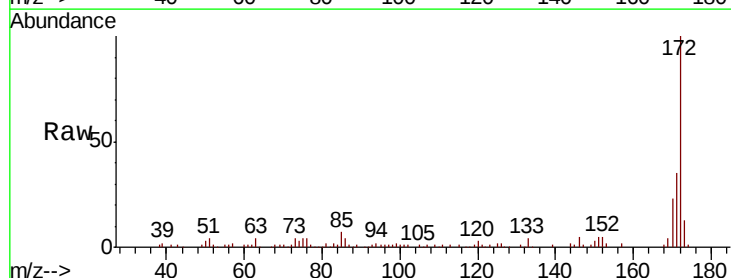
RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

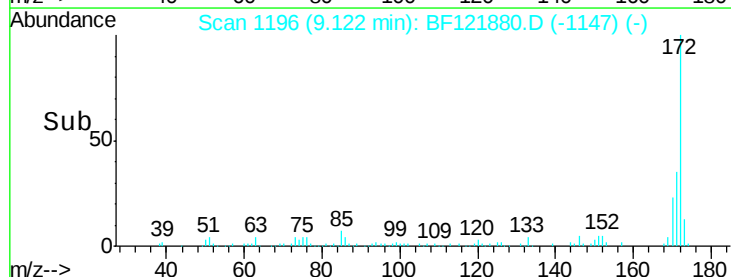
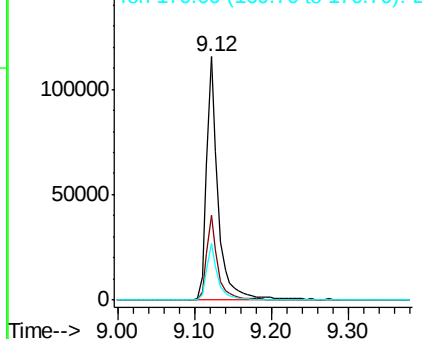
Lab File: BF121880.D

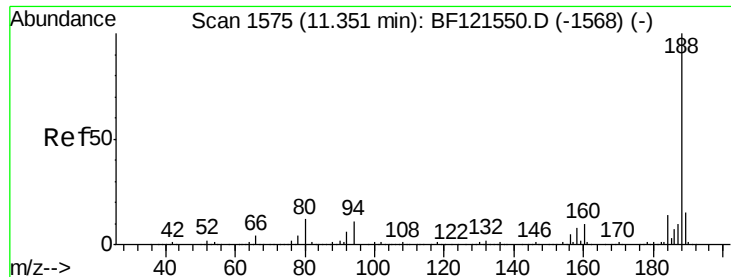
Acq: 7 Oct 2020 18:31

Tgt Ion:	172	Resp:	121494
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.1	43.7
170	23.1	19.8	29.6



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: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF121880.D

Acq: 7 Oct 2020 18:31

Instrument :

BNA_F

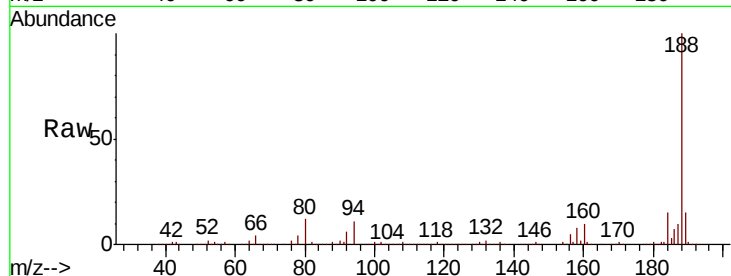
ClientSampleId :

OR-02-100620

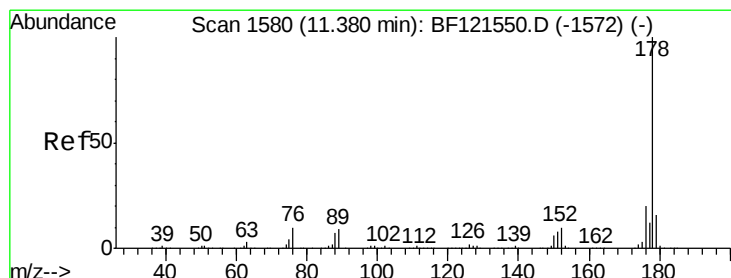
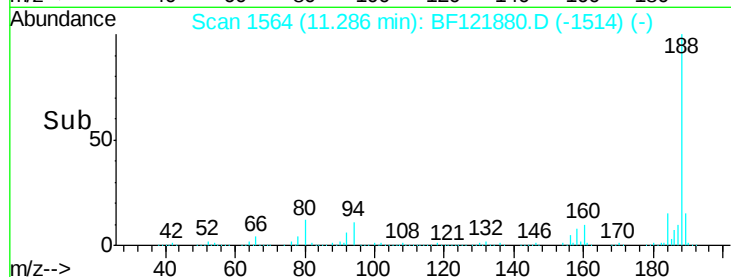
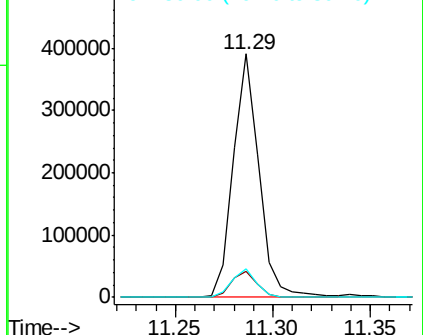
Tot Ion:	188	Resp:	358480
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.3	12.5
80	11.6	9.1	13.7

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 3.613 ng

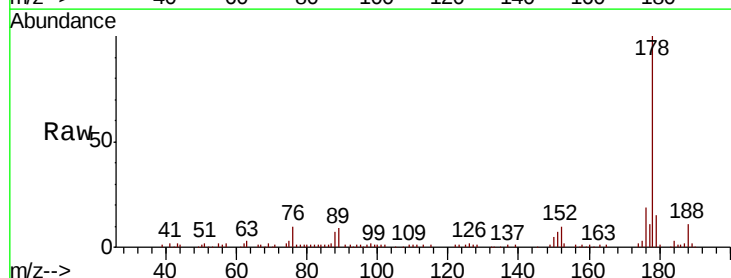
RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

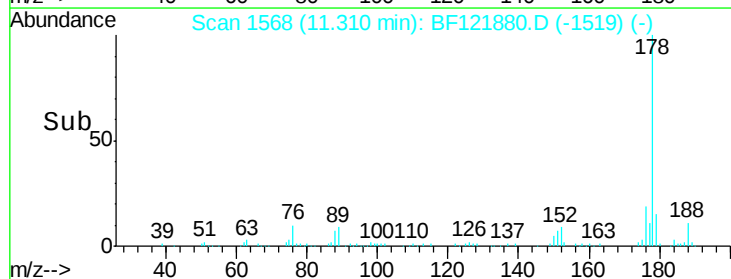
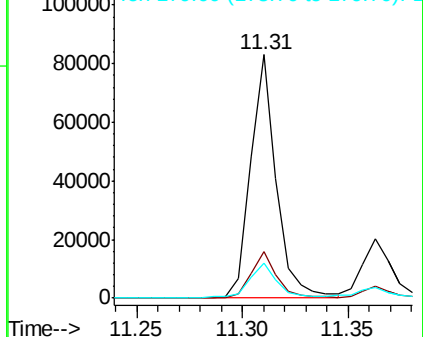
Lab File: BF121880.D

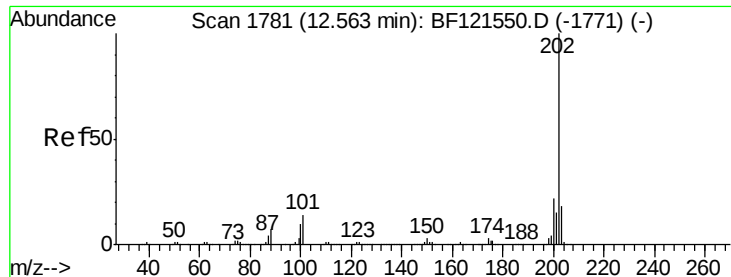
Acq: 7 Oct 2020 18:31

Tgt Ion:	178	Resp:	70564
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.9	23.9
179	14.6	12.2	18.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





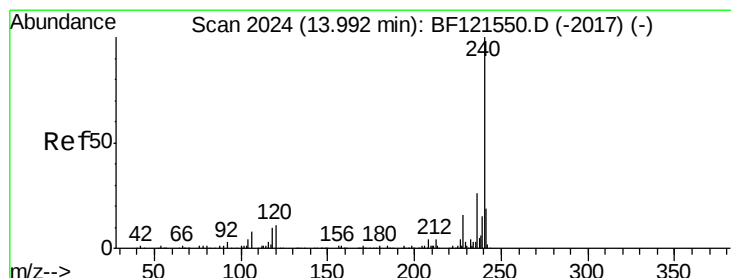
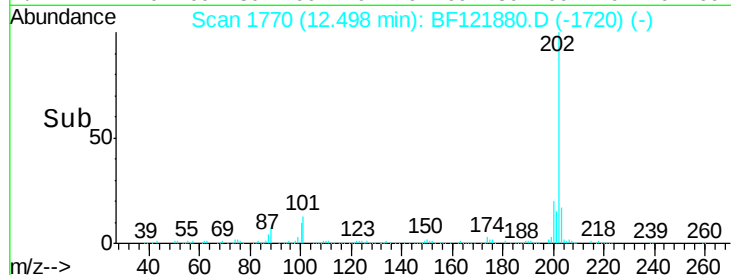
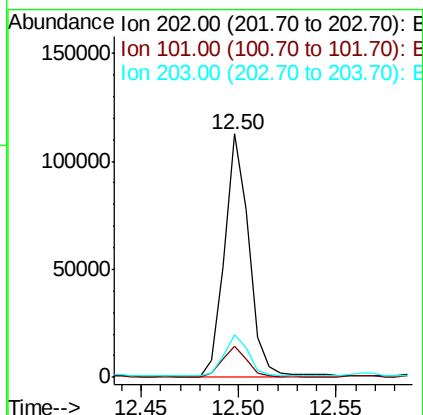
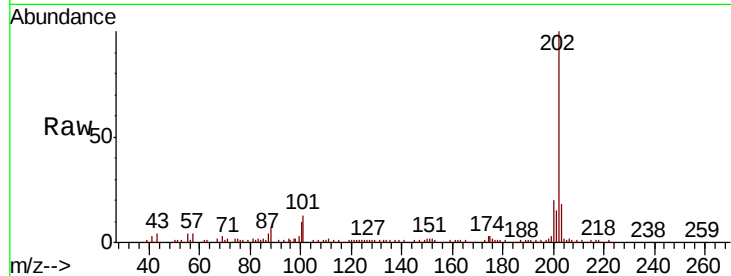
#75
Fluoranthene
Concen: 4.761 ng
RT: 12.50 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Instrument :
BNA_F
ClientSampleId :
OR-02-100620

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.6	0.0	33.4
203	17.7	0.0	37.9

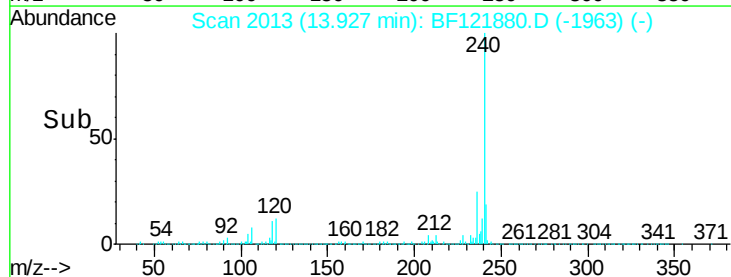
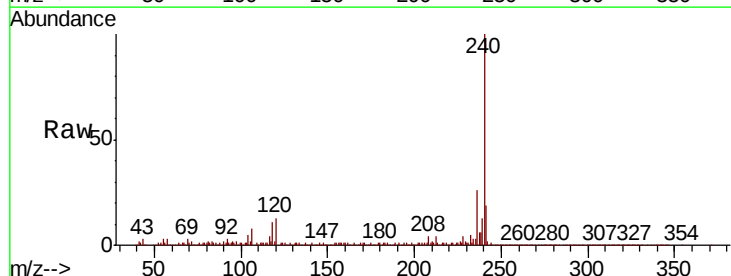
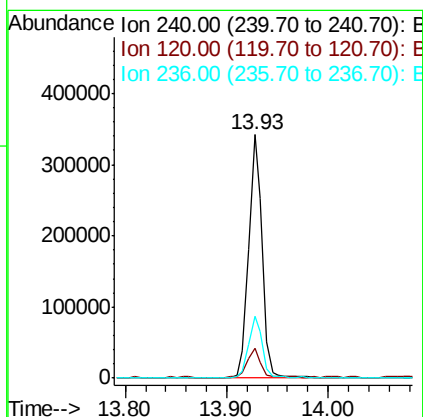
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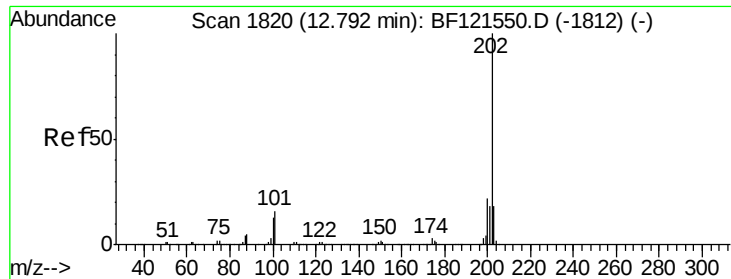
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.5	9.2	13.8
236	25.7	20.9	31.3





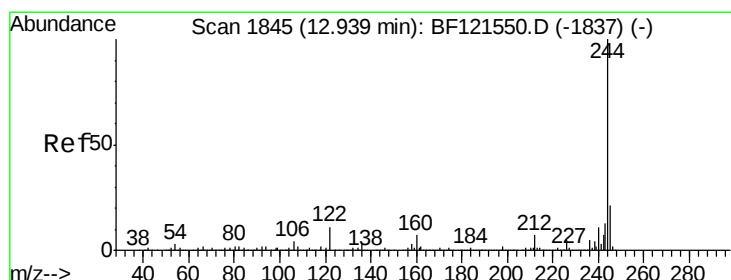
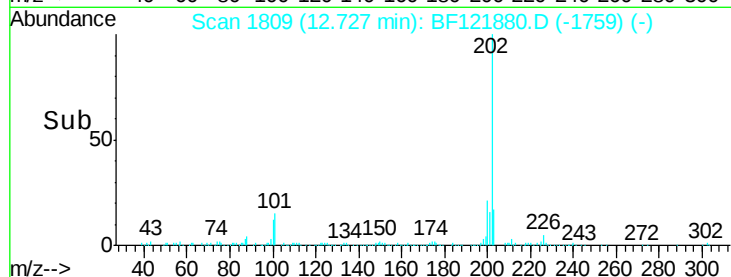
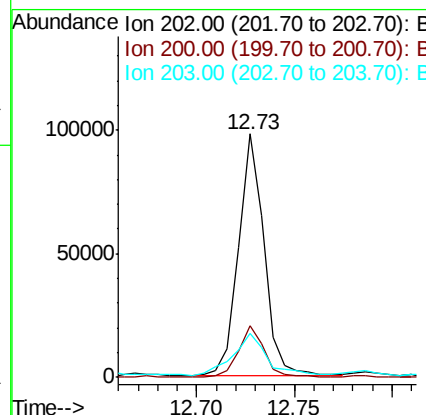
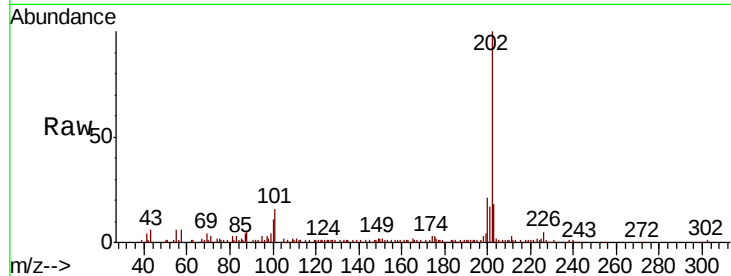
#78
Pvrene
Concen: 3.946 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Instrument :
BNA_F
ClientSampleId :
OR-02-100620

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	18.0	14.6	21.8

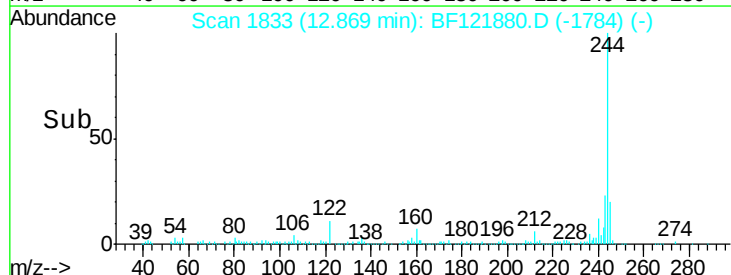
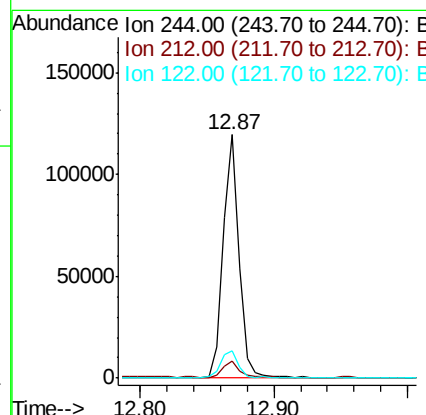
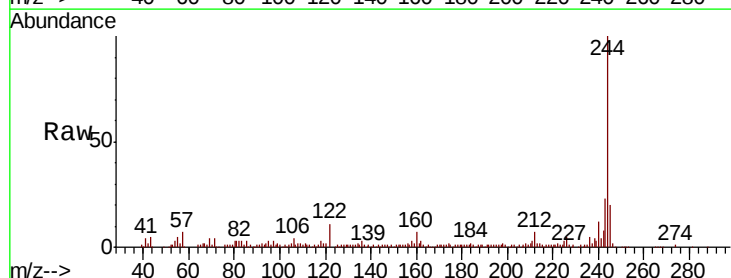
Manual Integrations
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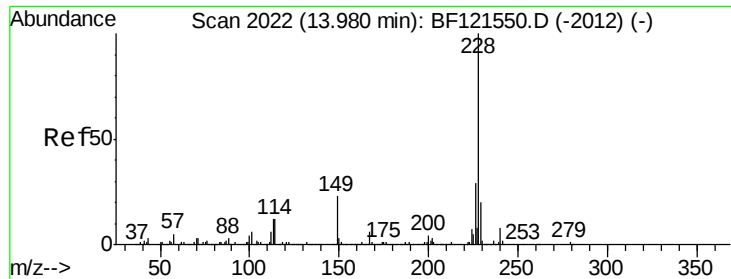
mohammad
10/8/2020 12:29:30 PM



#79
Terphenyl-d14
Concen: 6.565 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	11.0	8.1	12.1





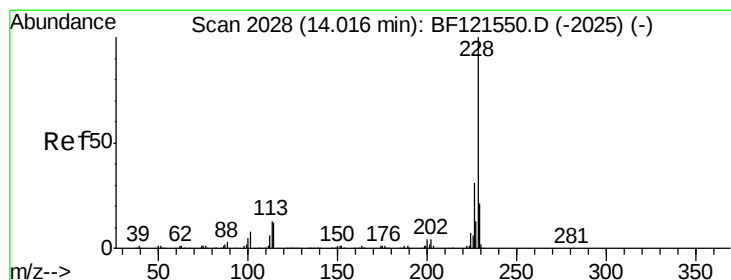
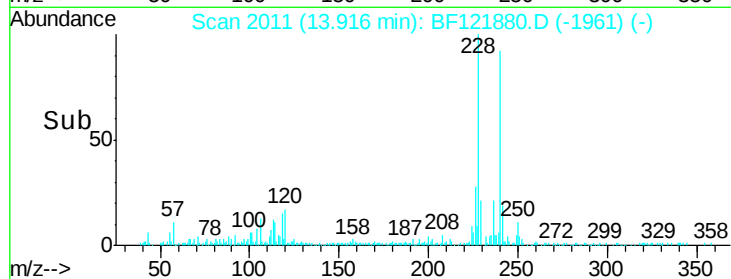
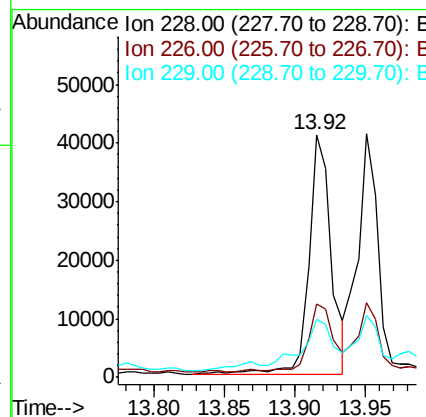
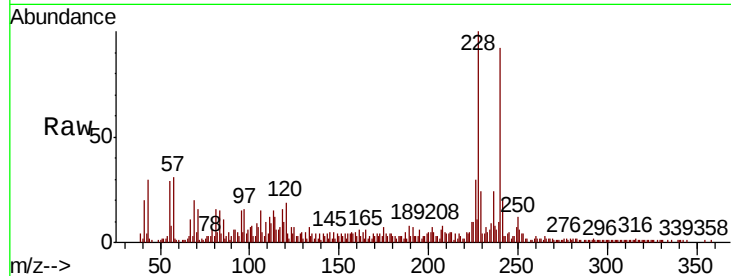
#81
Benzo(a)anthracene
Concen: 2.249 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Instrument :
BNA_F
ClientSampleId :
OR-02-100620

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.3	33.5
229	23.9	16.2	24.4

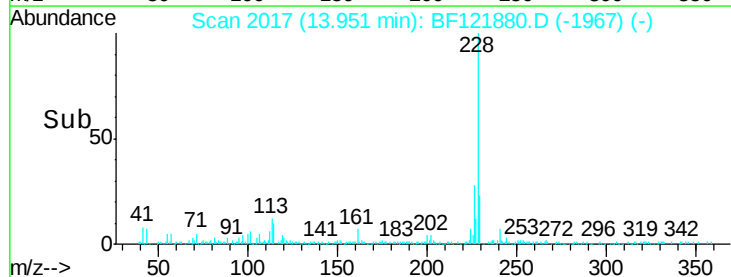
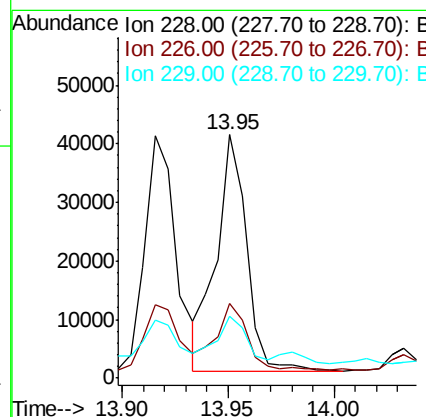
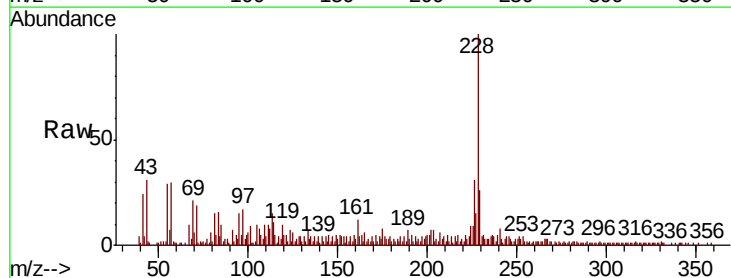
Manual Integrations
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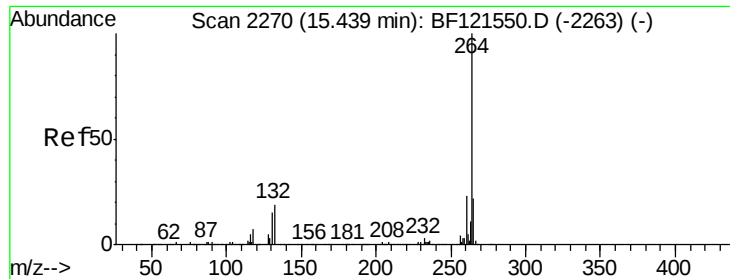
mohammad
10/8/2020 12:29:30 PM



#83
Chrysene
Concen: 2.033 ng m
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	37.0
229	25.5	15.9	23.9#





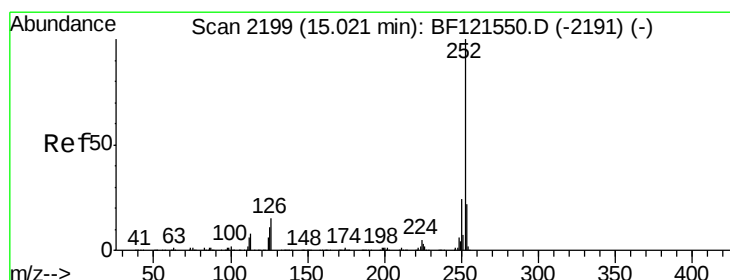
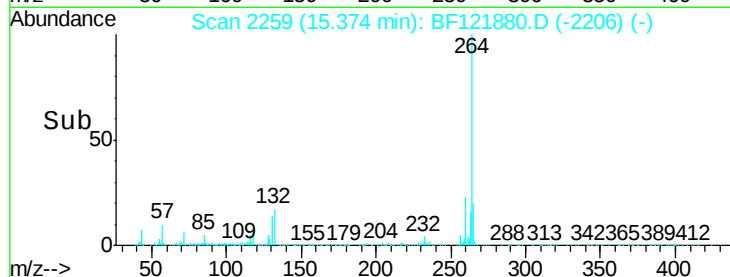
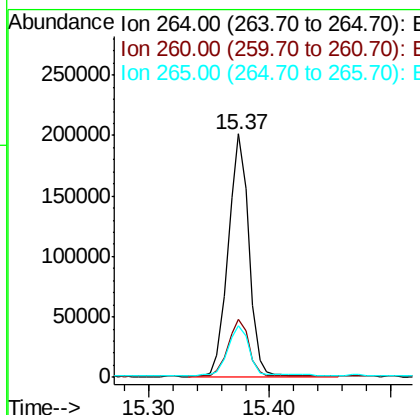
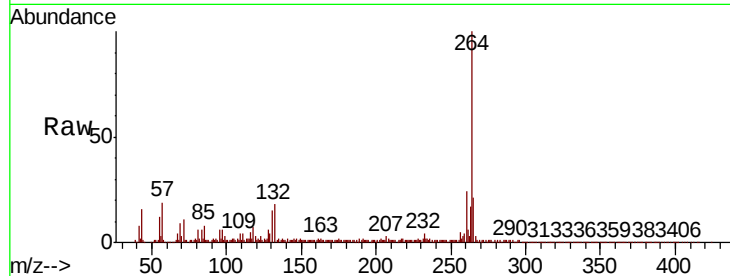
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Instrument :
BNA_F
ClientSampleId :
OR-02-100620

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.2	17.3	25.9

Manual Integrations
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#88
Benzo(b)fluoranthene
Concen: 2.419 ng m
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.0	18.2	27.2#
125	24.8	8.0	12.0#

