

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070220\
 Data File : BP002638.D
 Acq On : 02 Jul 2020 19:21
 Operator : CG/JU
 Sample : L3188-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleID :
 TR-04-070120

Manual Integrations
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Quant Time: Jul 02 19:54:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 29 16:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	169124	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	707421	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	463105	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	1067760	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1135453	20.00	ng	0.00
86) Perylene-d12	23.28	264	1052989	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	121796	12.19	ng	0.00
7) Phenol-d6	6.76	99	181494	13.02	ng	0.00
23) Nitrobenzene-d5	8.72	82	122930	8.95	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	66746	11.85	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	317827	10.10	ng	0.00
79) Terphenyl-d14	19.57	244	547507	10.41	ng	0.00
Target Compounds						
71) Phenanthrene	17.02	178	180948	3.150	ng	99
75) Fluoranthene	19.01	202	311893	4.485	ng	98
78) Pyrene	19.36	202	345021	4.464	ng	98
81) Benzo(a)anthracene	21.07	228	212309	2.860	ng	99
83) Chrysene	21.12	228	201786	2.835	ng	97
88) Benzo(b)fluoranthene	22.63	252	250260m	3.725	ng	
90) Benzo(a)pyrene	23.19	252	192404	3.120	ng	# 96

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

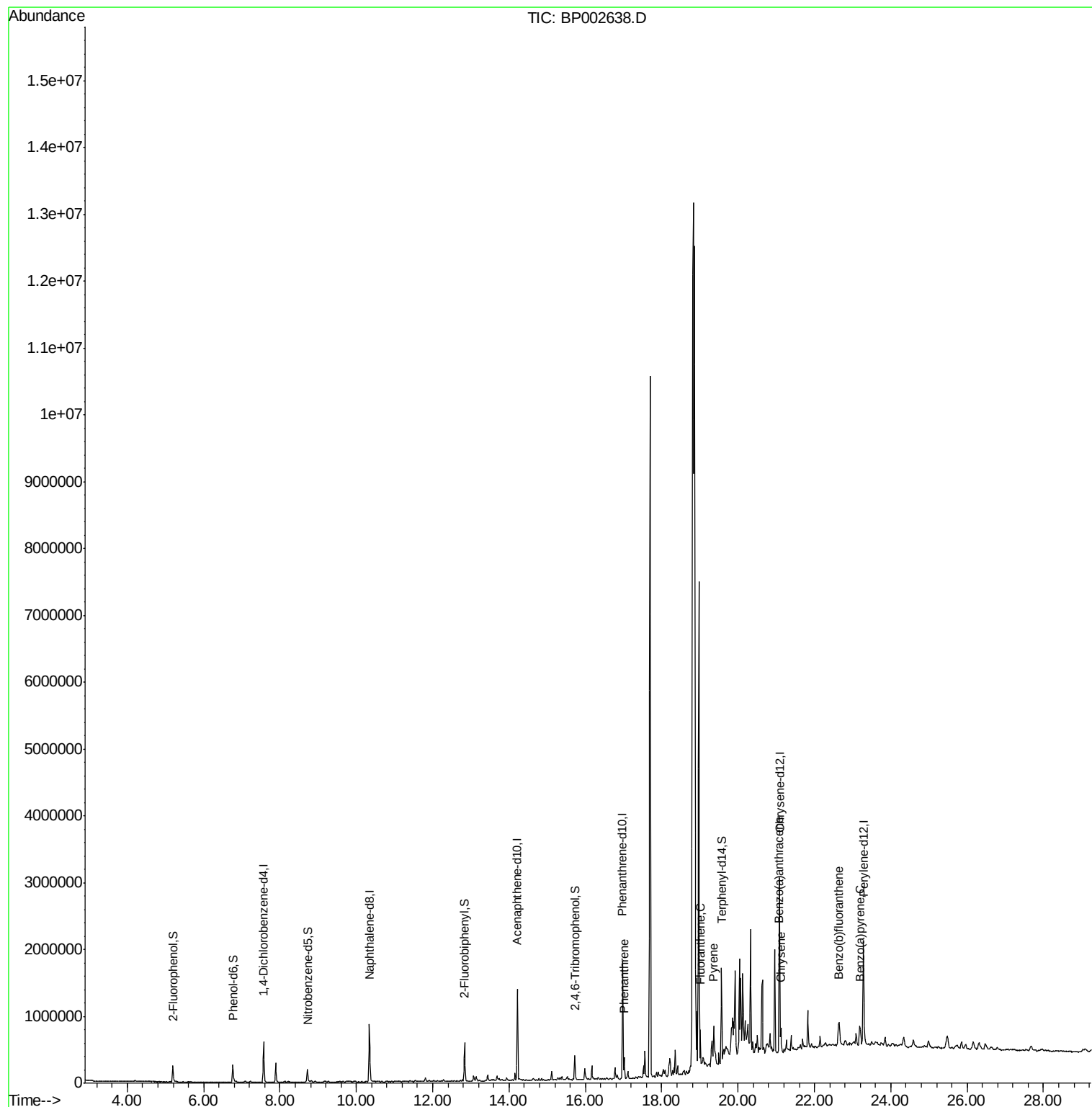
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070220\
Data File : BP002638.D
Acq On : 02 Jul 2020 19:21
Operator : CG/JU
Sample : L3188-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

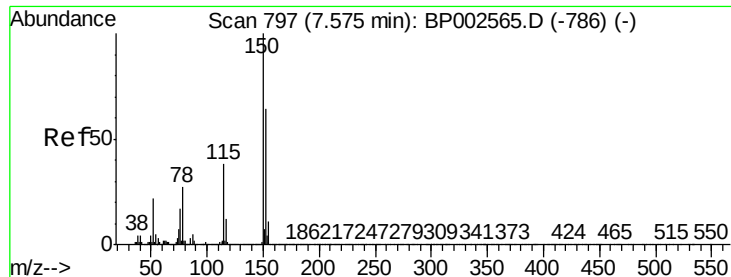
Instrument :
BNA_P
ClientSampleId :
TR-04-070120

Quant Time: Jul 02 19:54:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 29 16:51:57 2020
Response via : Initial Calibration

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#1

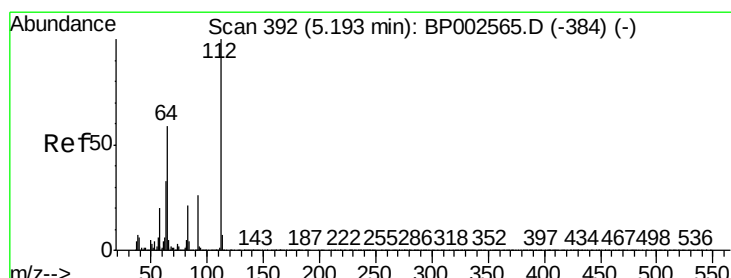
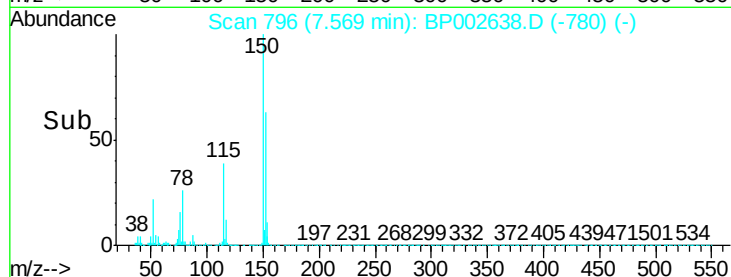
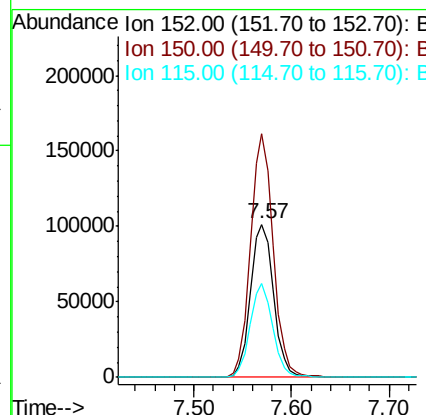
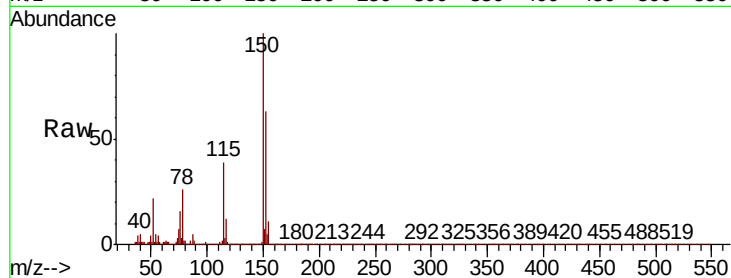
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002638.D
Acq: 02 Jul 2020 19:21

Instrument :
BNA_P
ClientSampleId :
TR-04-070120

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.2	186.2
115	61.6	47.1	70.7

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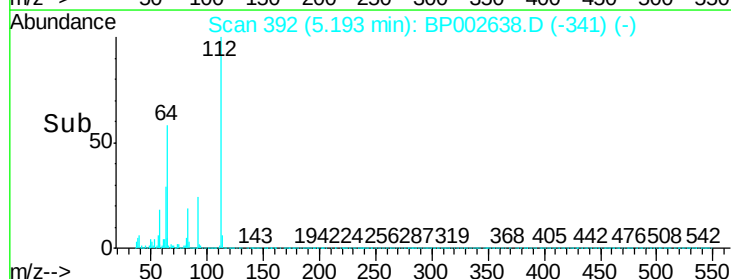
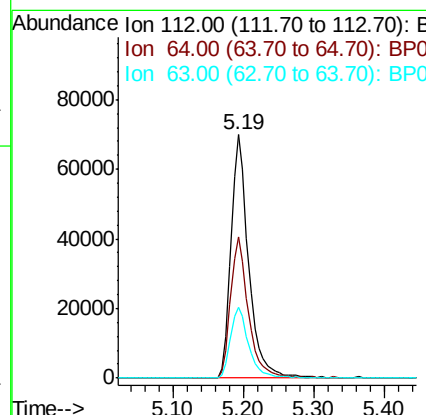
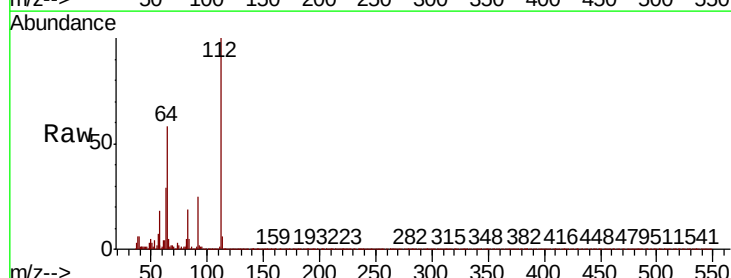
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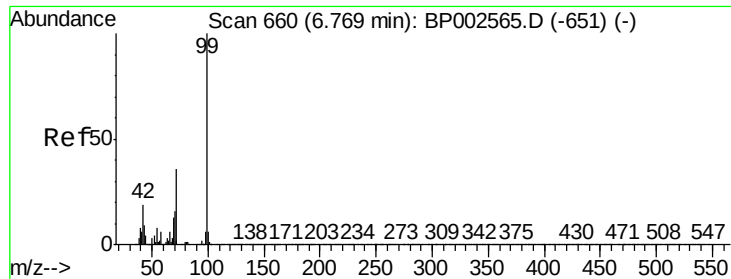


#5

2-Fluorophenol
Concen: 12.193 ng
RT: 5.19 min Scan# 392
Delta R.T. 0.00 min
Lab File: BP002638.D
Acq: 02 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.0	70.6
63	29.0	26.1	39.1





#7

Phenol-d6

Concen: 13.018 ng

RT: 6.76 min Scan# 659

Delta R.T. -0.01 min

Lab File: BP002638.D

Acq: 02 Jul 2020 19:21

Instrument :

BNA_P

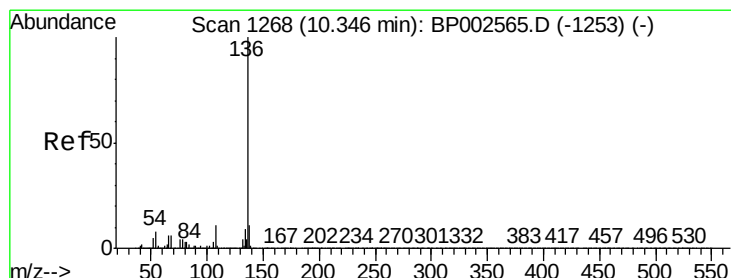
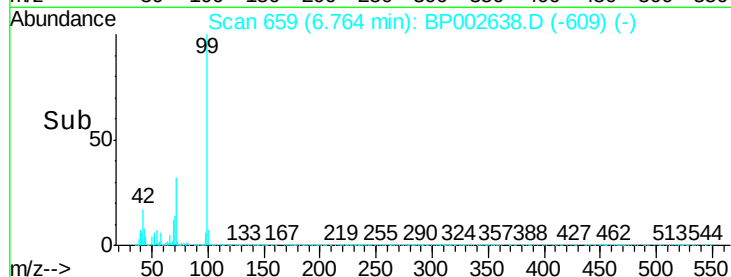
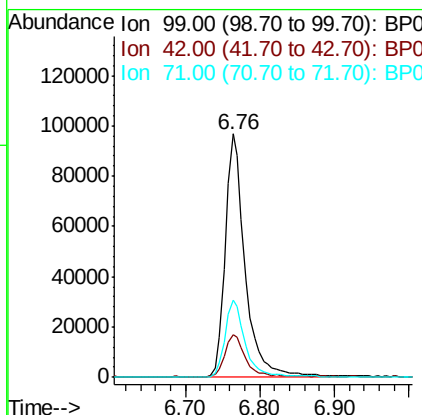
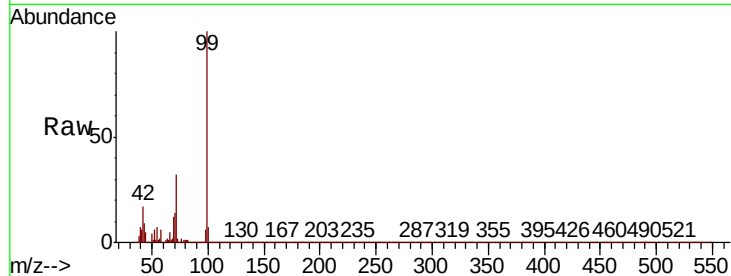
ClientSampleId :

TR-04-070120

Tot Ion:	99	Resp:	181494
Ion Ratio	Lower	Upper	
99	100		
42	17.5	15.5	23.3
71	31.7	28.9	43.3

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#21

Naphthalene-d8

Concen: 20.000 ng

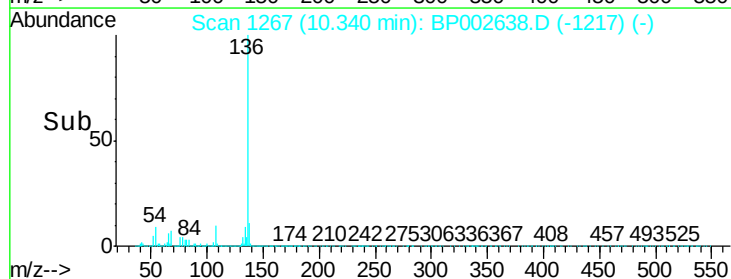
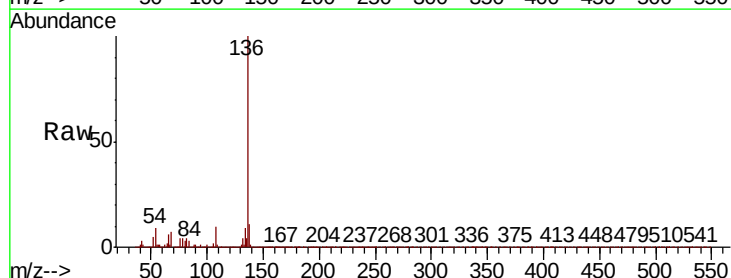
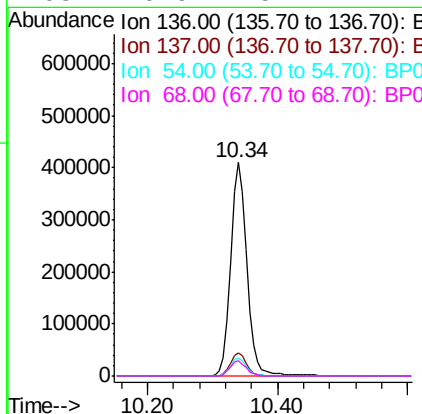
RT: 10.34 min Scan# 1267

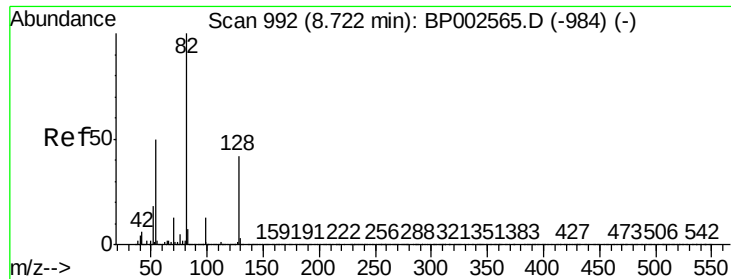
Delta R.T. -0.01 min

Lab File: BP002638.D

Acq: 02 Jul 2020 19:21

Tgt Ion:	136	Resp:	707421
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	8.6	6.4	9.6
68	6.9	5.1	7.7





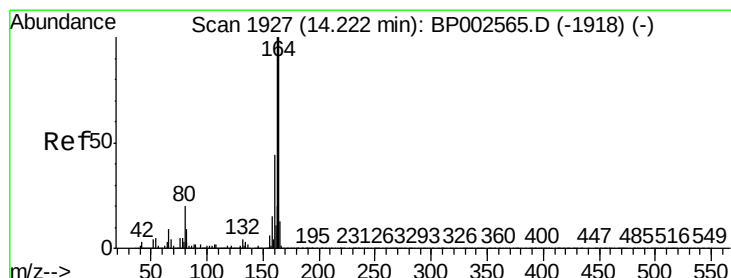
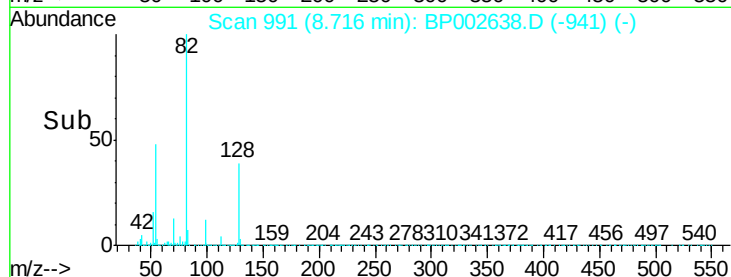
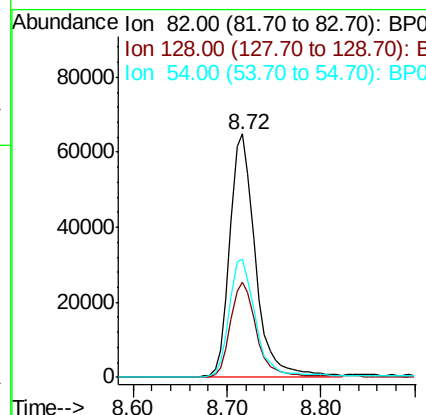
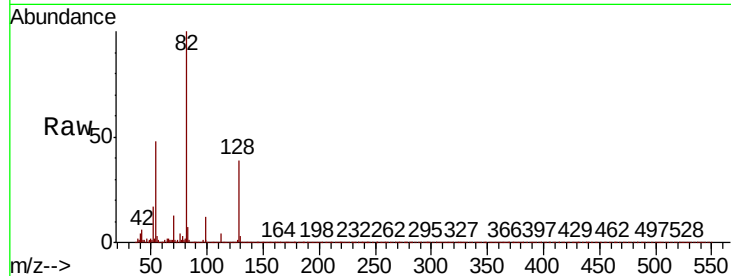
#23
Nitrobenzene-d5
Concen: 8.954 ng
RT: 8.72 min Scan# 991
Delta R.T. -0.01 min
Lab File: BP002638.D
Acq: 02 Jul 2020 19:21

Instrument :
BNA_P
ClientSampleId :
TR-04-070120

Tot Ion	82	Resp	122930
Ion Ratio	Lower	Upper	
82	100		
128	39.0	33.4	50.2
54	48.4	40.1	60.1

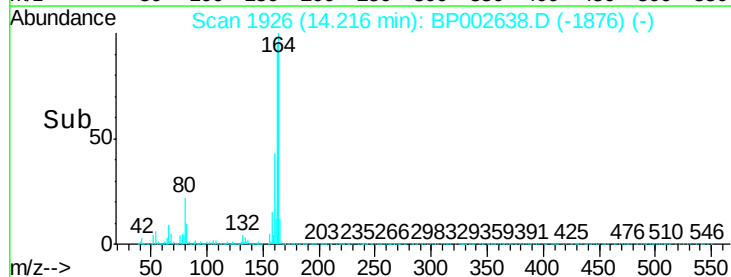
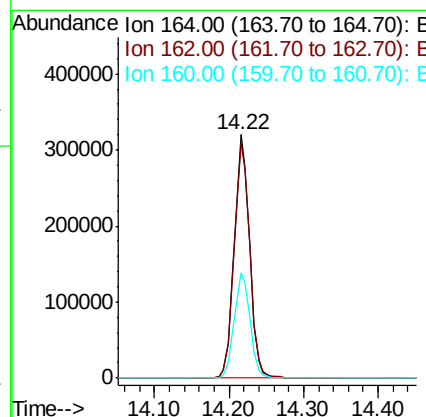
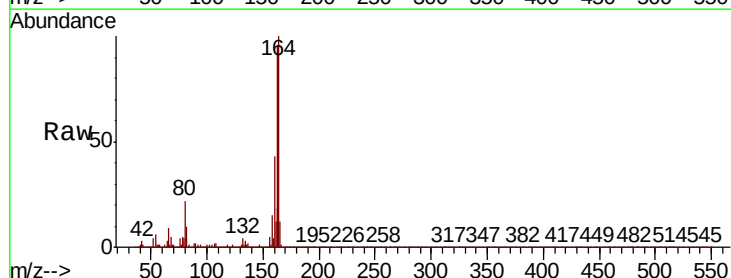
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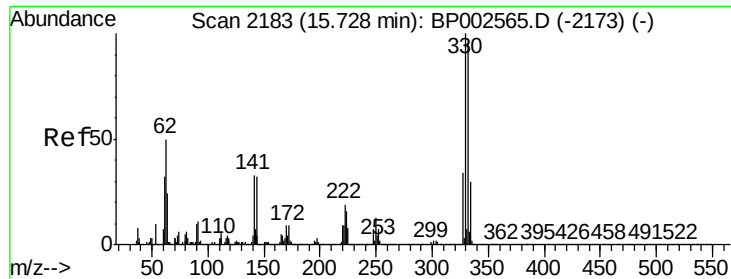
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.22 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BP002638.D
Acq: 02 Jul 2020 19:21

Tgt Ion	164	Resp	463105
Ion Ratio	Lower	Upper	
164	100		
162	96.2	80.3	120.5
160	43.1	35.0	52.6





#42

2,4,6-Tribromophenol

Concen: 11.850 ng

RT: 15.72 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BP002638.D

Acq: 02 Jul 2020 19:21

Instrument :

BNA_P

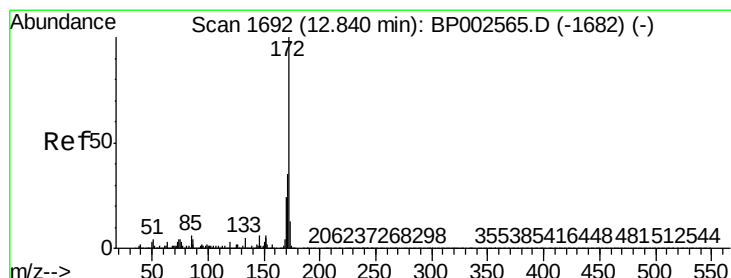
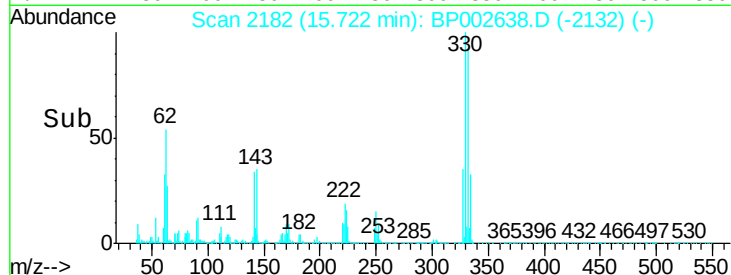
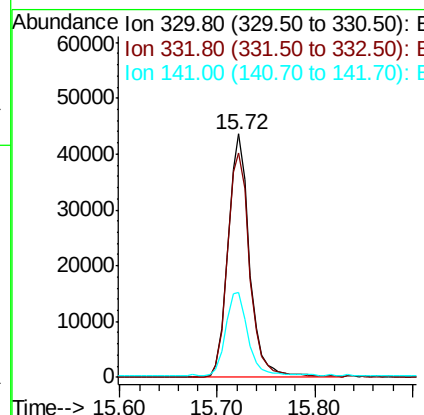
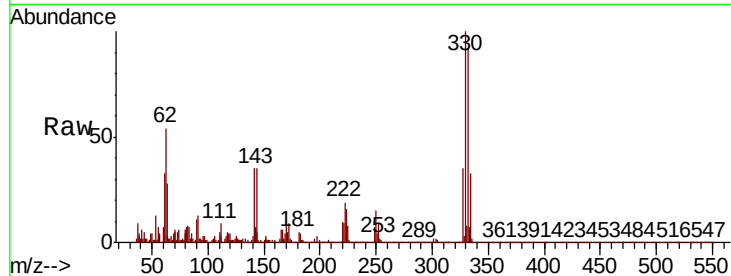
ClientSampleId :

TR-04-070120

Tot Ion:	330	Resp:	66746
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.7	116.5
141	34.4	29.0	43.6

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#45

2-Fluorobiphenyl

Concen: 10.101 ng

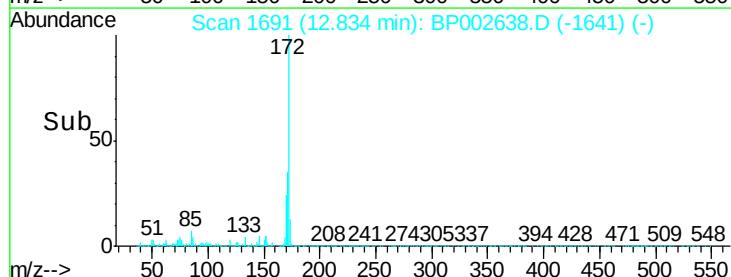
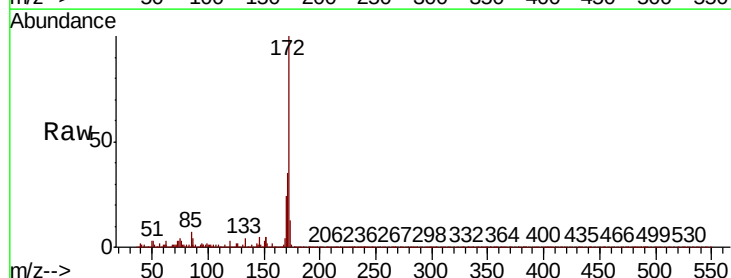
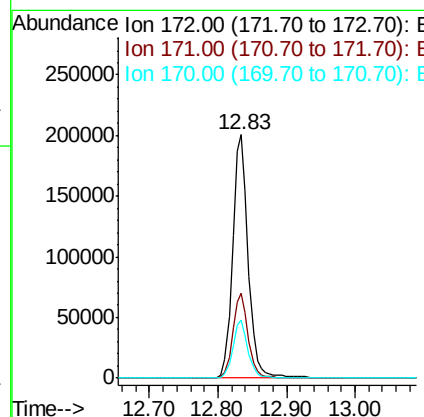
RT: 12.83 min Scan# 1691

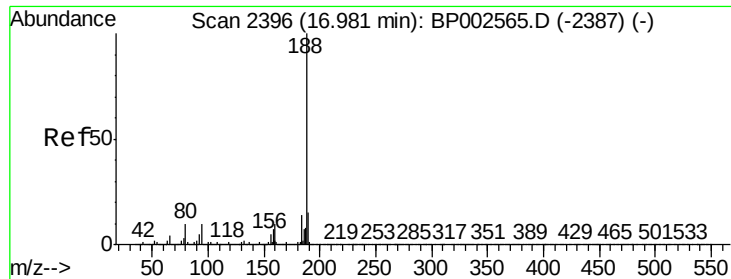
Delta R.T. -0.01 min

Lab File: BP002638.D

Acq: 02 Jul 2020 19:21

Tgt Ion:	172	Resp:	317827
Ion Ratio	Lower	Upper	
172	100		
171	35.0	28.0	42.0
170	24.0	19.0	28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BP002638.D

Acq: 02 Jul 2020 19:21

Instrument :

BNA_P

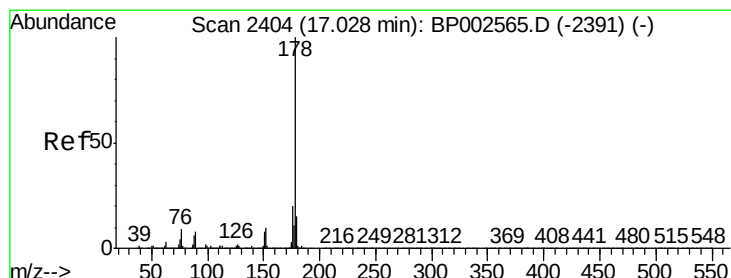
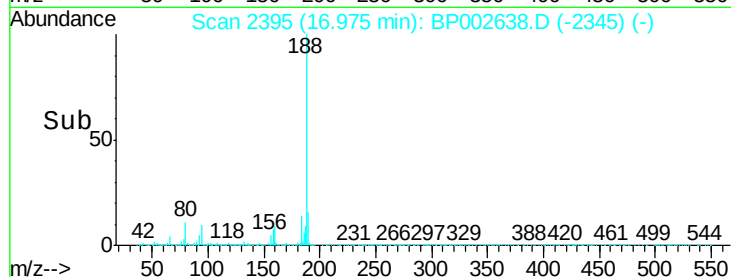
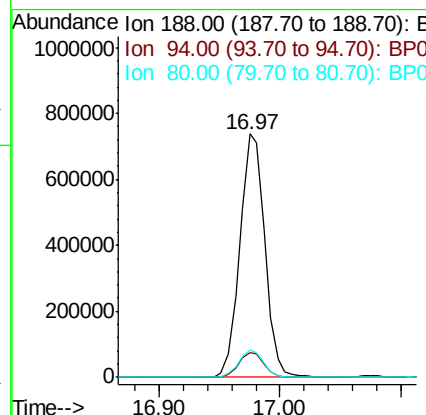
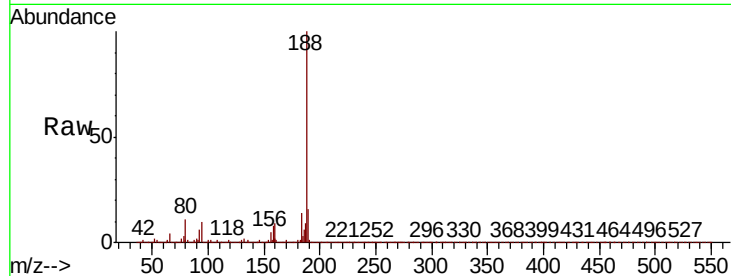
ClientSampleId :

TR-04-070120

Tot Ion:	188	Resp:	1067760
Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.8	11.6
80	11.1	8.2	12.4

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#71

Phenanthrene

Concen: 3.150 ng

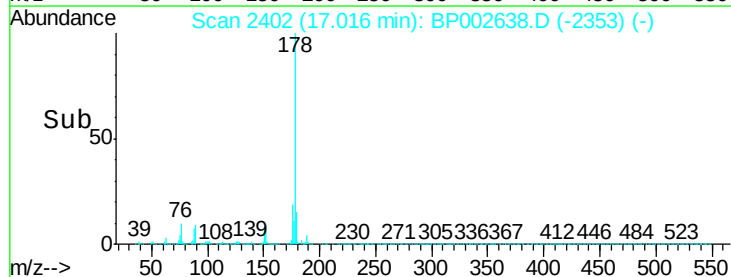
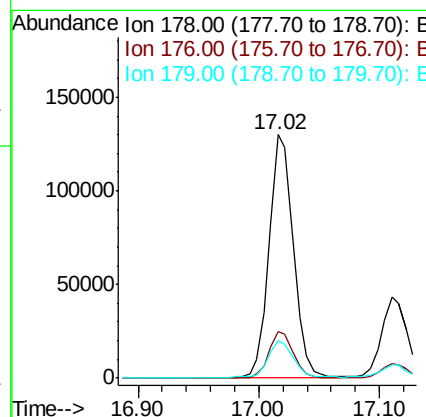
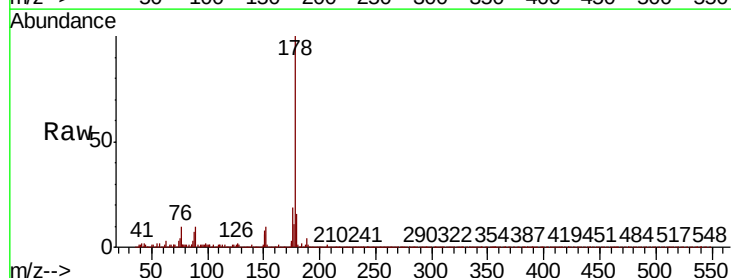
RT: 17.02 min Scan# 2402

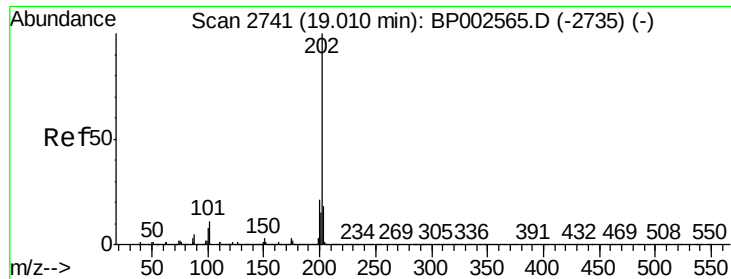
Delta R.T. -0.01 min

Lab File: BP002638.D

Acq: 02 Jul 2020 19:21

Tgt Ion:	178	Resp:	180948
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	15.6	12.1	18.1





#75

Fluoranthene

Concen: 4.485 ng

RT: 19.01 min Scan# 2741

Delta R.T. 0.00 min

Lab File: BP002638.D

Acq: 02 Jul 2020 19:21

Instrument :

BNA_P

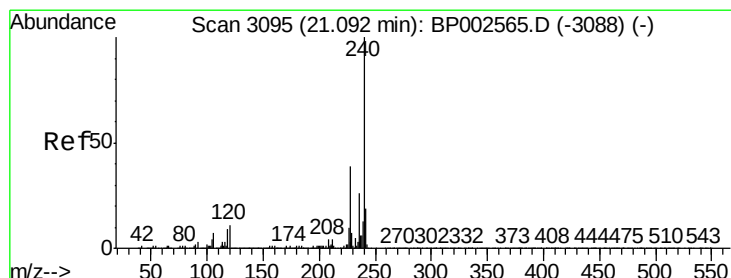
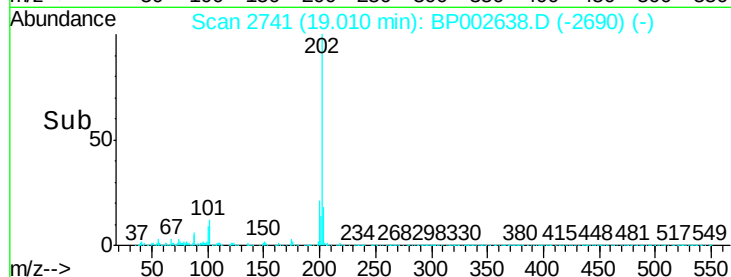
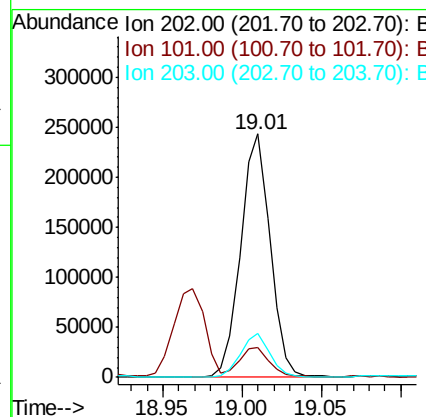
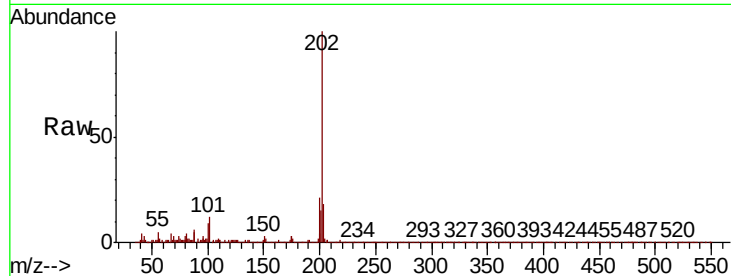
ClientSampleId :

TR-04-070120

Tot Ion:	202	Resp:	311893
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	30.6
203	17.9	0.0	37.7

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#76

Chrysene-d12

Concen: 20.000 ng

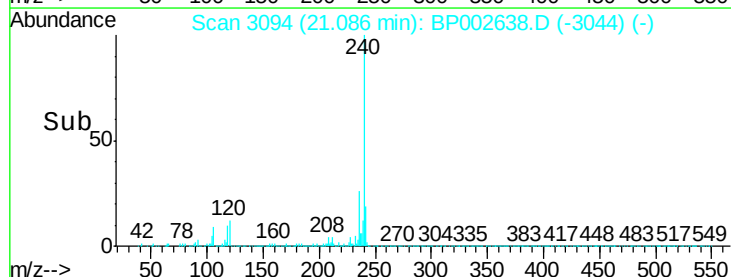
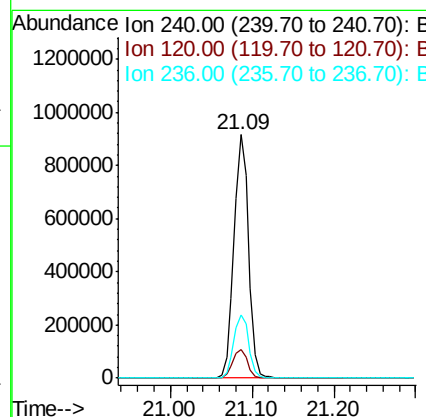
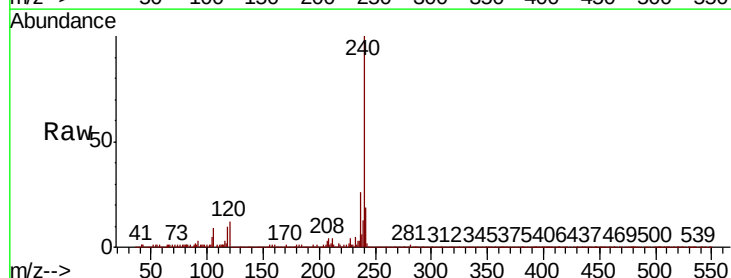
RT: 21.09 min Scan# 3094

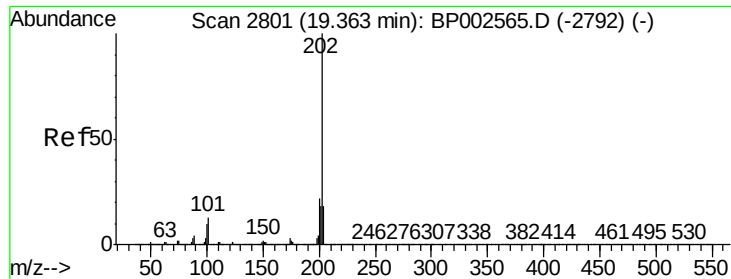
Delta R.T. -0.01 min

Lab File: BP002638.D

Acq: 02 Jul 2020 19:21

Tgt Ion:	240	Resp:	1135453
Ion Ratio	Lower	Upper	
240	100		
120	11.8	8.6	13.0
236	26.0	20.8	31.2





#78

Pvrene

Concen: 4.464 ng

RT: 19.36 min Scan# 2801

Delta R.T. 0.00 min

Lab File: BP002638.D

Acq: 02 Jul 2020 19:21

Instrument :

BNA_P

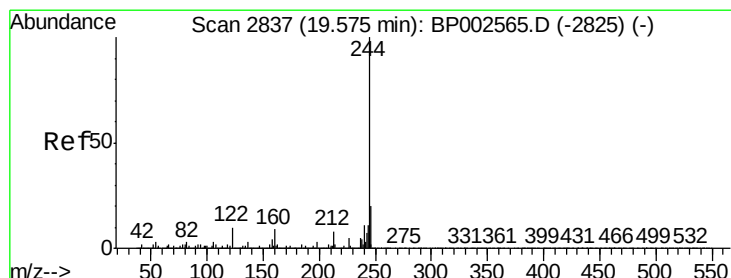
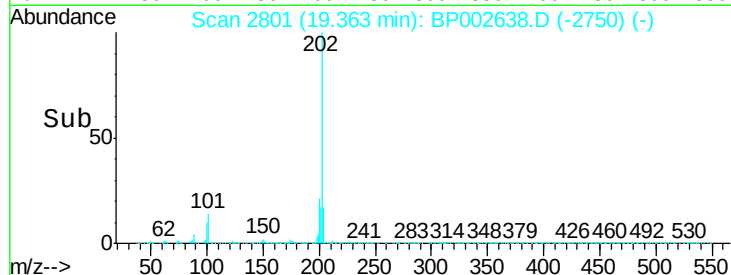
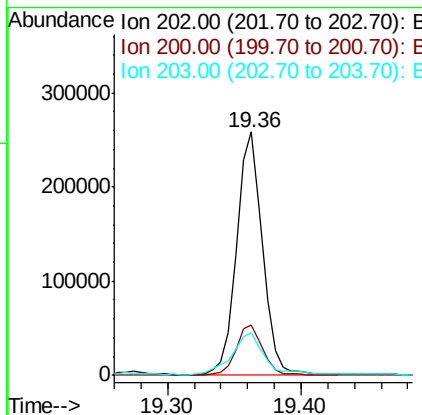
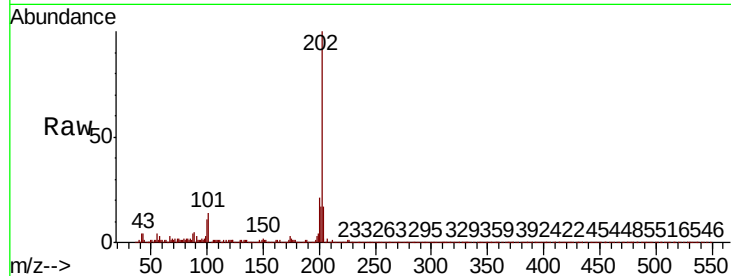
ClientSampleId :

TR-04-070120

Tot Ion:	202	Resp:	345021
Ion Ratio		Lower	Upper
202	100		
200	20.8	17.6	26.4
203	17.3	14.4	21.6

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#79

Terphenyl-d14

Concen: 10.408 ng

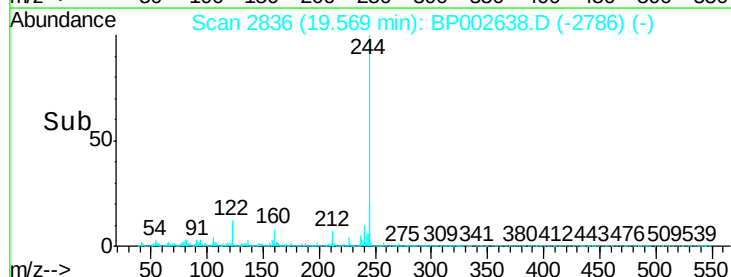
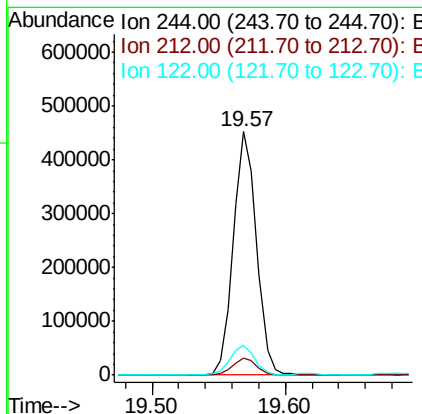
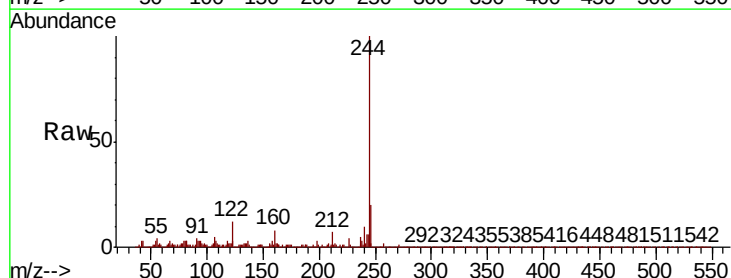
RT: 19.57 min Scan# 2836

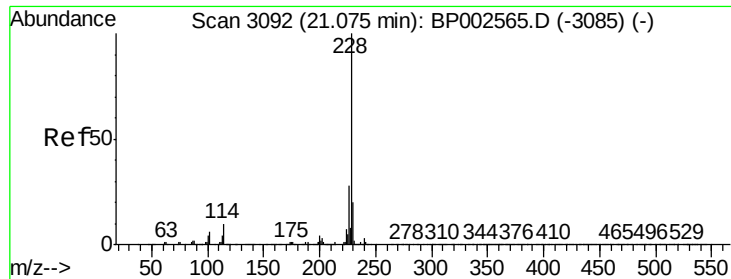
Delta R.T. -0.01 min

Lab File: BP002638.D

Acq: 02 Jul 2020 19:21

Tgt Ion:	244	Resp:	547507
Ion Ratio		Lower	Upper
244	100		
212	7.0	6.5	9.7
122	12.3	7.9	11.9#





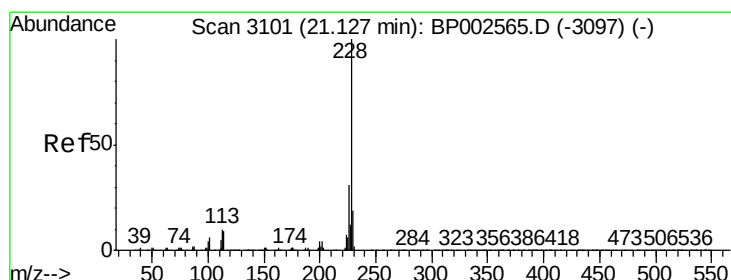
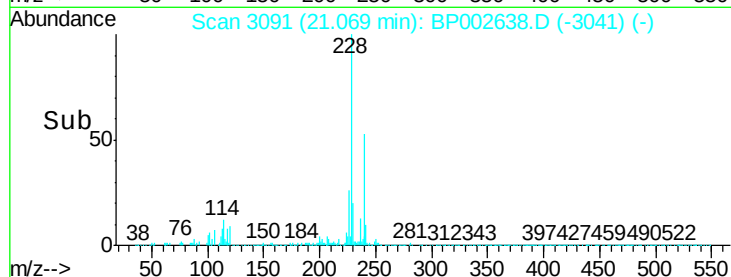
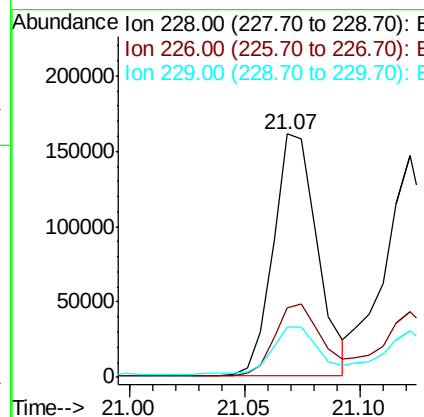
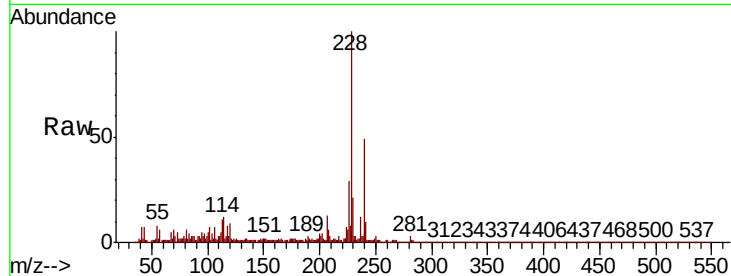
#81
Benzo(a)anthracene
Concen: 2.860 ng
RT: 21.07 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BP002638.D
Acq: 02 Jul 2020 19:21

Instrument :
BNA_P
ClientSampleId :
TR-04-070120

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.5	33.7
229	20.7	16.4	24.6

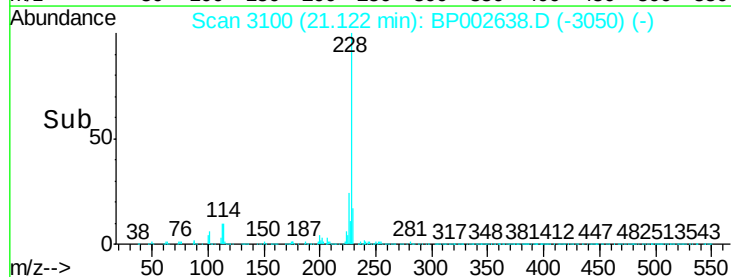
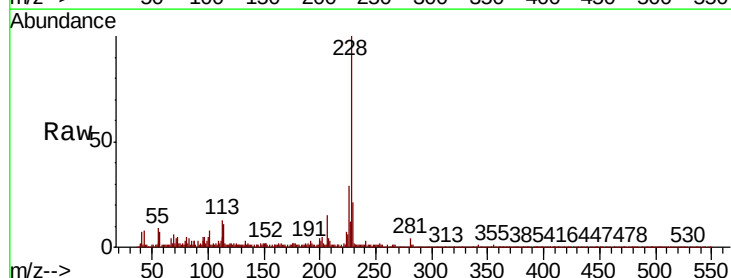
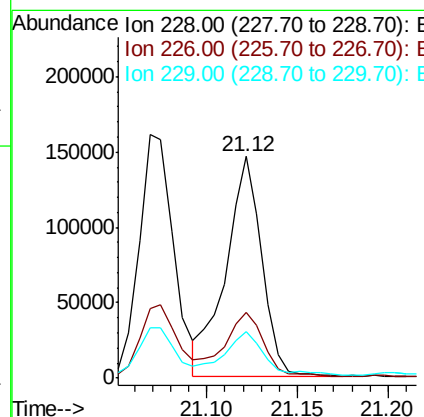
Manual Integrations
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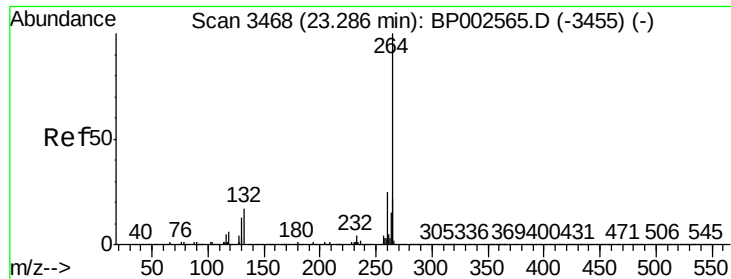
mohammad
7/7/2020 8:25:02 AM



#83
Chrysene
Concen: 2.835 ng
RT: 21.12 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BP002638.D
Acq: 02 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.6	37.0
229	21.2	15.6	23.4





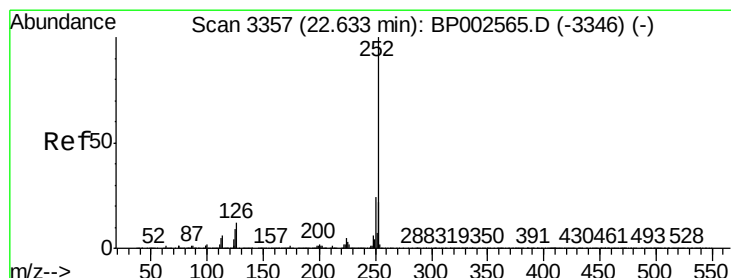
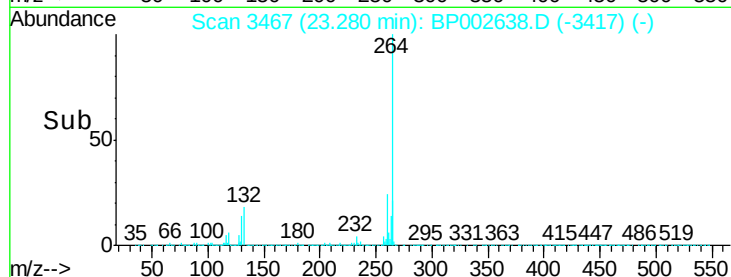
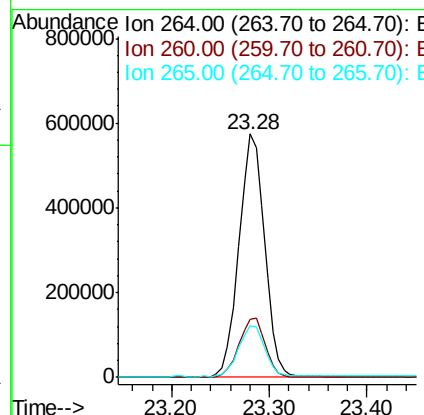
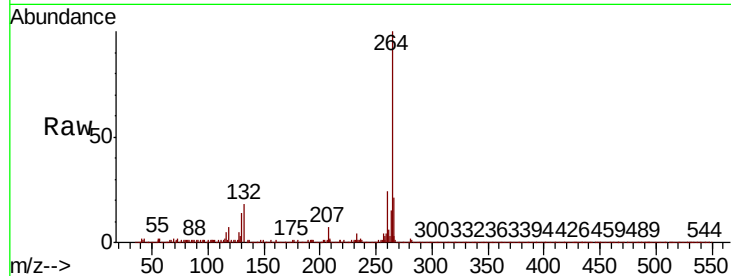
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.28 min Scan# 3467
Delta R.T. -0.01 min
Lab File: BP002638.D
Acq: 02 Jul 2020 19:21

Instrument :
BNA_P
ClientSampleId :
TR-04-070120

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.7	29.5
265	21.2	17.6	26.4

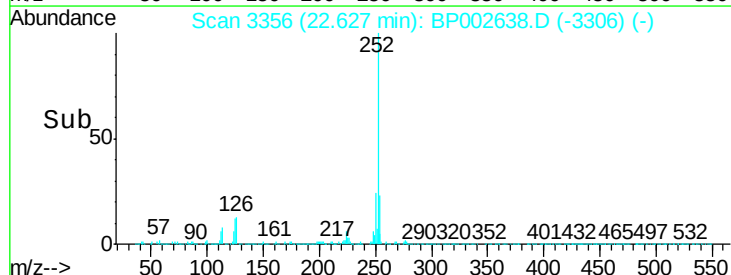
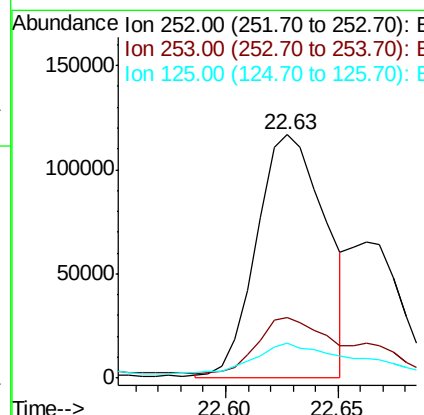
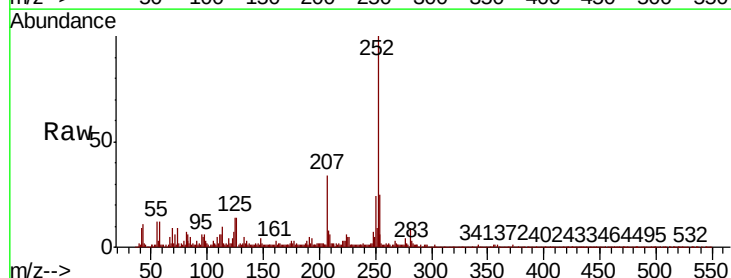
Manual Integrations
APPROVED

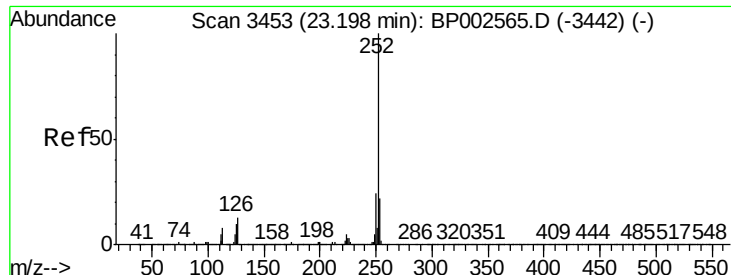
mohammad
7/7/2020 8:25:02 AM



#88
Benzo(b)fluoranthene
Concen: 3.725 ng m
RT: 22.63 min Scan# 3356
Delta R.T. -0.01 min
Lab File: BP002638.D
Acq: 02 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.7	26.5
125	14.3	7.4	11.2





#90
 Benzo(a)pyrene
 Concen: 3.120 ng
 RT: 23.19 min Scan# 3451
 Delta R.T. -0.01 min
 Lab File: BP002638.D
 Acq: 02 Jul 2020 19:21

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-070120

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	17.8	26.6
125	13.3	7.8	11.8#

Manual Integrations
 APPROVED

mohammad
 7/7/2020 8:25:02 AM

