

Data File : BN007194.D
Acq On : 15 Aug 2019 13:45
Operator : HP/JU
Sample : K4173-20DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW088-080119DL

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:20 PM

Quant Time: Aug 16 06:50:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	7951	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	31563	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	18553	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	43171	0.40	ng	0.00
26) Chrysene-d12	21.05	240	42278	0.40	ng	-0.01
32) Perylene-d12	23.15	264	48725	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	2696	0.14	ng	0.00
4) Phenol-d6	6.61	99	3587	0.15	ng	0.00
7) Nitrobenzene-d5	8.55	82	2904	0.11	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	6409	0.11	ng	-0.01
13) 2,4,6-Tribromophenol	15.57	330	1031	0.10	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	1111	0.04	ng	0.00
24) Fluoranthene-d10	18.86	212	17724	0.12	ng	-0.01
28) Terphenyl-d14	19.48	244	12701	0.11	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Naphthalene	10.23	128	13973	0.158	ng	99
11) 2-Methylnaphthalene	11.86	142	15452	0.246	ng	98
15) Acenaphthylene	13.79	152	121624	1.254	ng	99
16) Acenaphthene	14.13	154	17030	0.274	ng	87
17) Fluorene	15.12	166	45486	0.489	ng	88
22) Phenanthrene	16.87	178	886612	6.853	ng	100
23) Anthracene	16.95	178	133736	1.131	ng	98
25) Fluoranthene	18.90	202	949527	5.737	ng	99
27) Pyrene	19.26	202	1350763	9.110	ng	97
29) Benzo(a)anthracene	21.02	228	553317	3.579	ng	92
30) Chrysene	21.08	228	651233	4.335	ng	98
31) Indeno(1,2,3-cd)pyrene	25.23	276	293515	1.773	ng	99
33) Benzo(b)fluoranthene	22.54	252	596184	3.568	ng	100
34) Benzo(k)fluoranthene	22.57	252	174927m	1.060	ng	
35) Benzo(a)pyrene	23.06	252	474891	3.135	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	85497	0.566	ng	# 89
37) Benzo(g,h,i)perylene	25.86	276	337883	2.173	ng	99

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

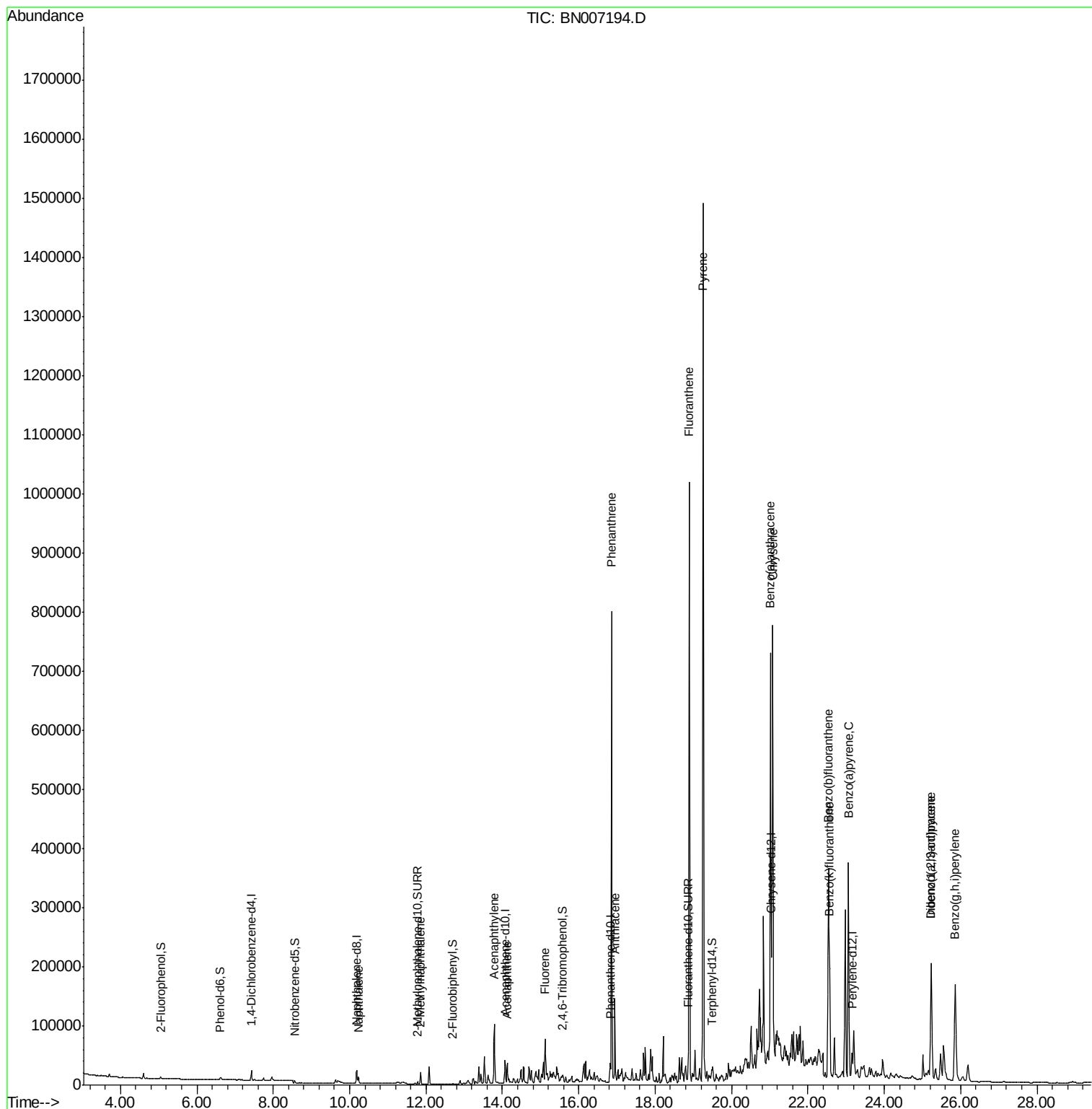
Data File : BN007194.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

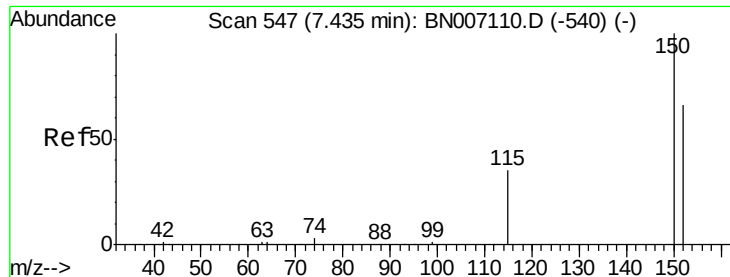
Instrument :
BNA_N
ClientSampleId :
EXT-015-SW088-080119DL

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Quant Time: Aug 16 06:50:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

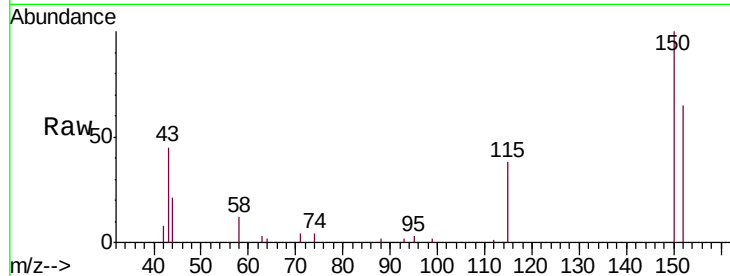
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW088-080119DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.8	121.7	182.5
115	58.9	46.2	69.4

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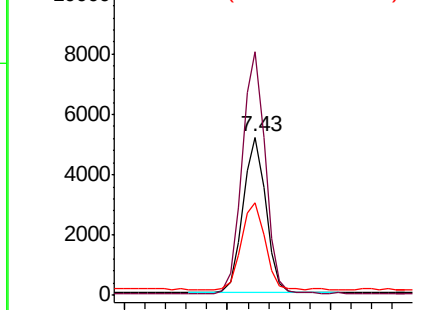


Abundance

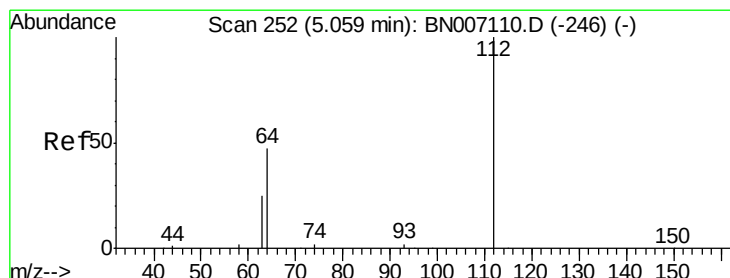
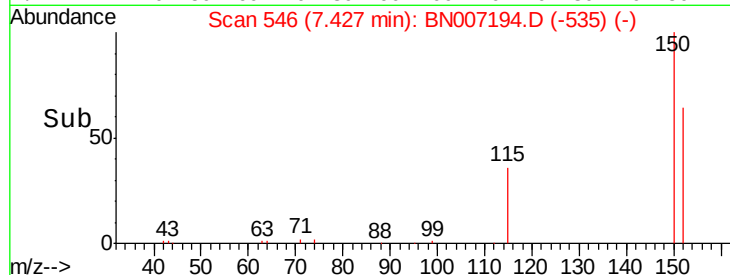
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



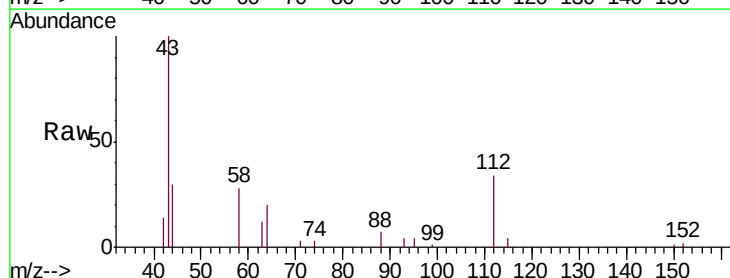
Time-->



#3

2-Fluorophenol
Concen: 0.141 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	42.6	63.8
63	27.9	22.2	33.2

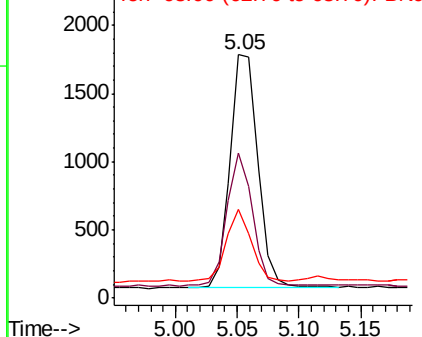


Abundance

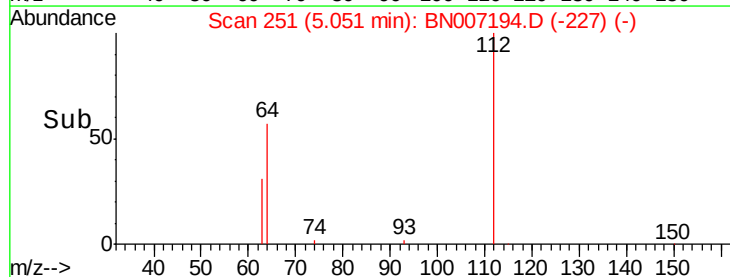
Ion 112.00 (111.70 to 112.70): E

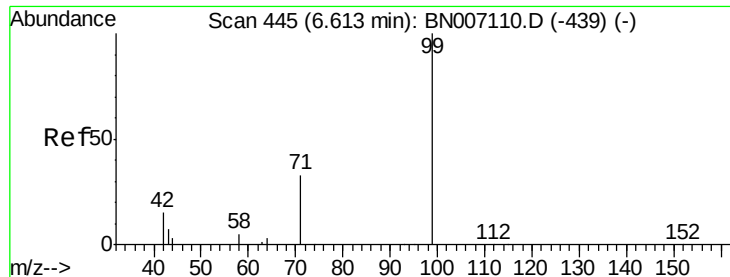
Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



Time-->





#4

Phenol-d6

Concen: 0.152 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

Instrument :

BNA_N

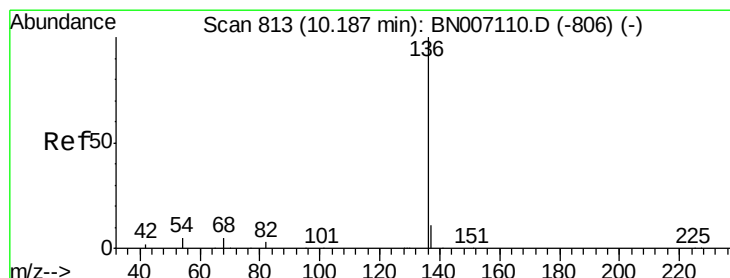
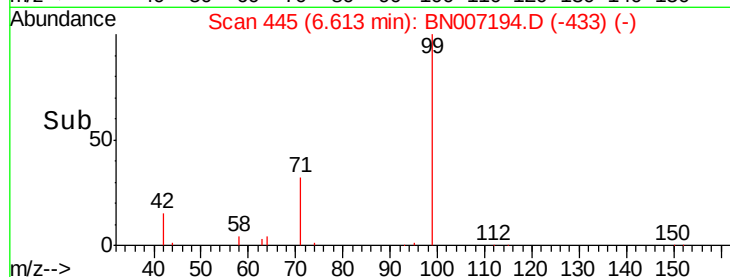
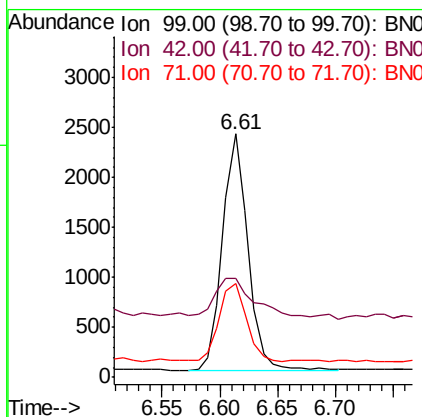
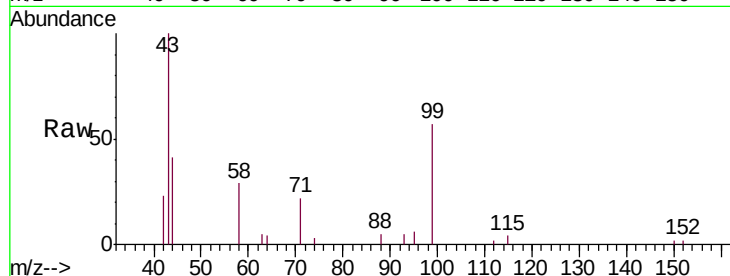
ClientSampleId :

EXT-015-SW088-080119DL

Tgt Ion:	99	Resp:	3587
Ion Ratio	Lower	Upper	
99	100		
42	24.9	15.8	23.6#
71	35.6	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

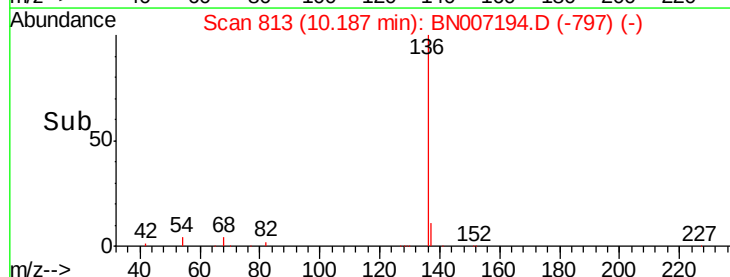
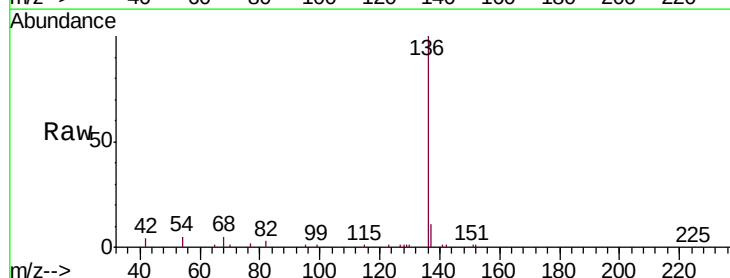
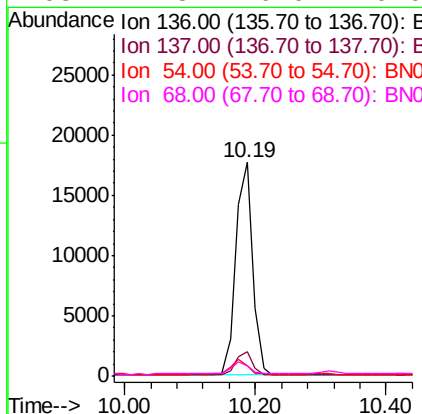
RT: 10.19 min Scan# 813

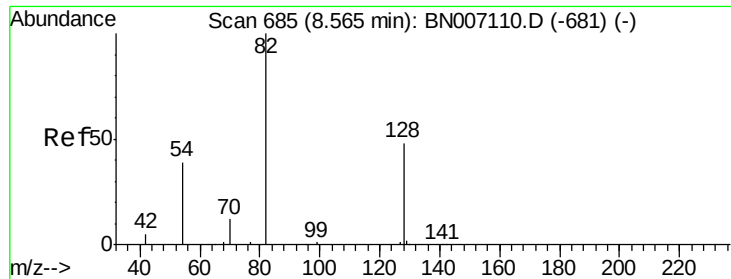
Delta R.T. -0.00 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

Tgt Ion:	136	Resp:	31563
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.4	14.0
54	4.6	6.6	9.8#
68	4.8	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.114 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

Instrument :

BNA_N

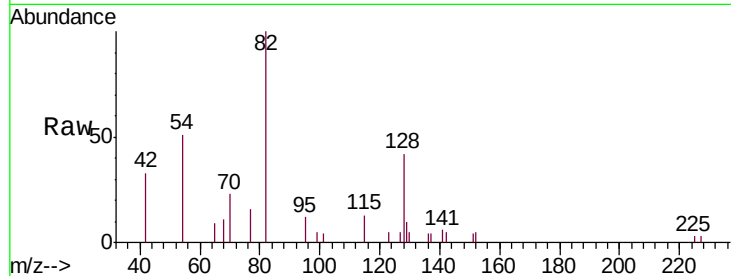
ClientSampleId :

EXT-015-SW088-080119DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.6	51.8
54	51.2	36.2	54.4

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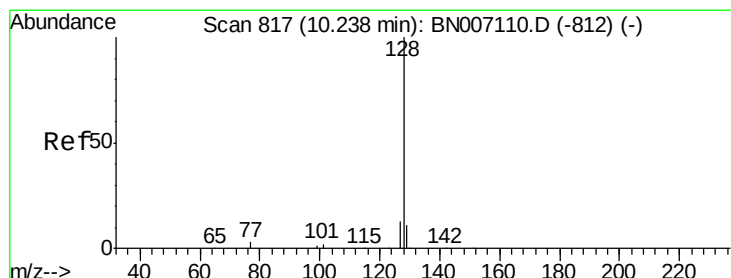
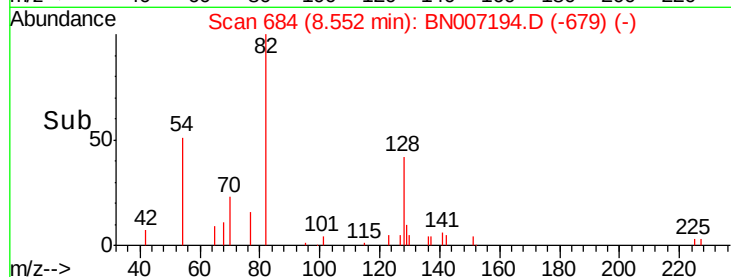
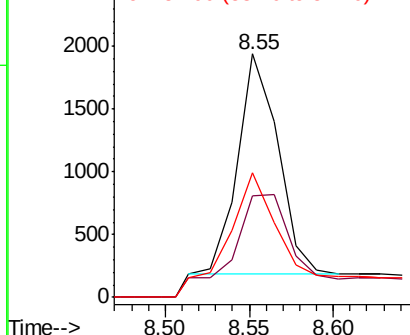


Abundance

Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0



#8

Naphthalene

Concen: 0.158 ng

RT: 10.23 min Scan# 816

Delta R.T. -0.01 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

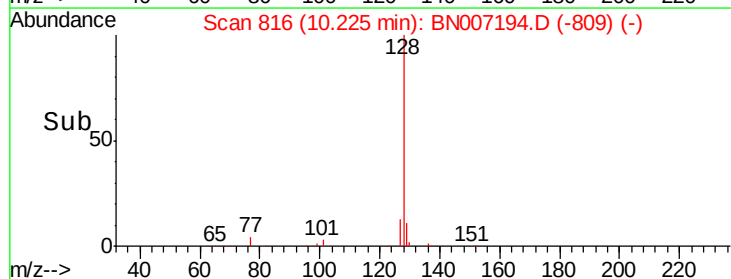
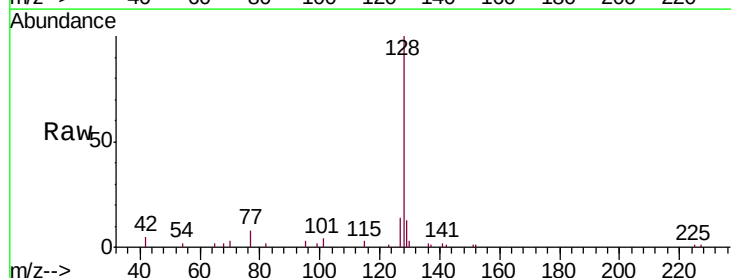
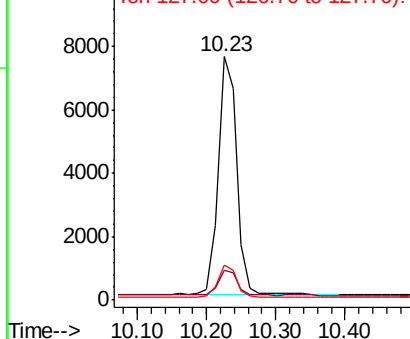
Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.5	9.4	14.2
127	14.2	11.0	16.6

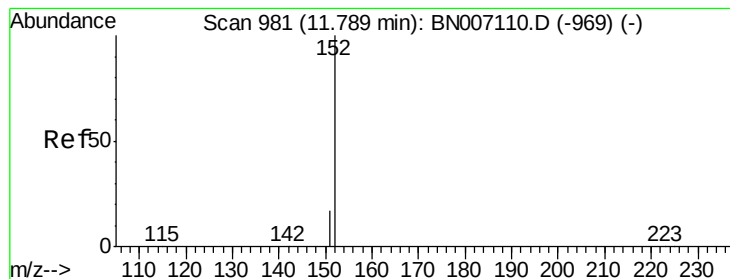
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#10

2-Methylnaphthalene-d10

Concen: 0.109 ng

RT: 11.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

Instrument :

BNA_N

ClientSampleId :

EXT-015-SW088-080119DL

Tgt Ion:152 Resp: 6409

Ion Ratio Lower Upper

152 100

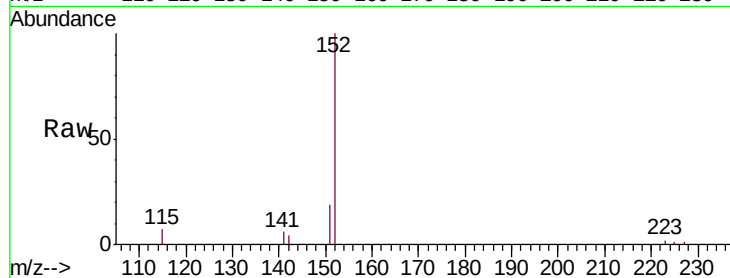
151 20.3 15.5 23.3

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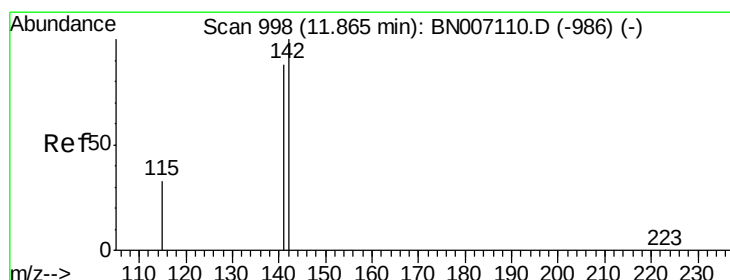
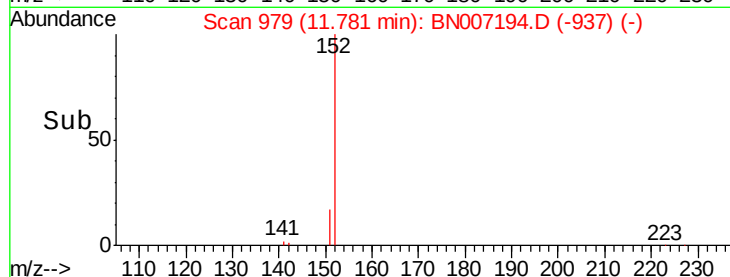
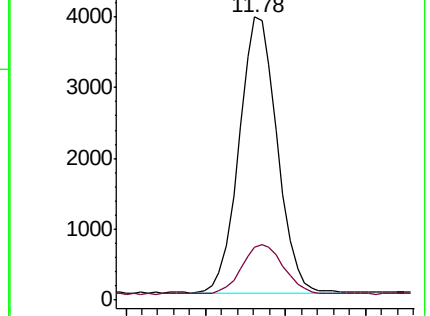
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#11

2-Methylnaphthalene

Concen: 0.246 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

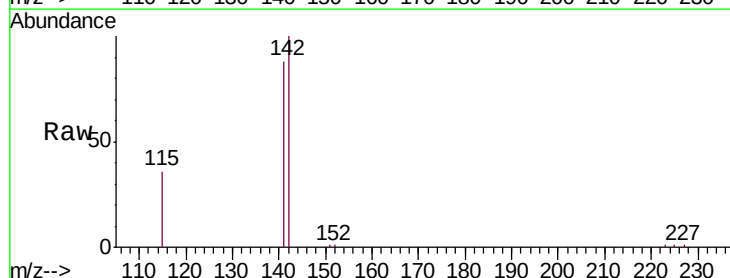
Tgt Ion:142 Resp: 15452

Ion Ratio Lower Upper

142 100

141 88.4 69.0 103.6

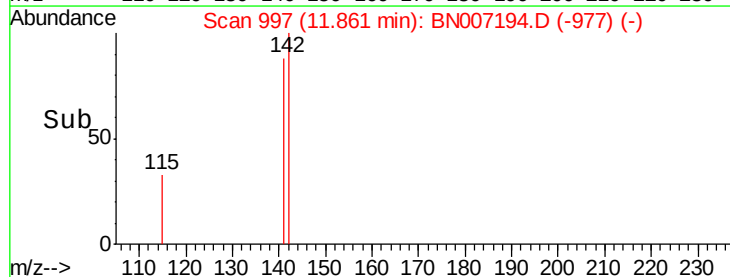
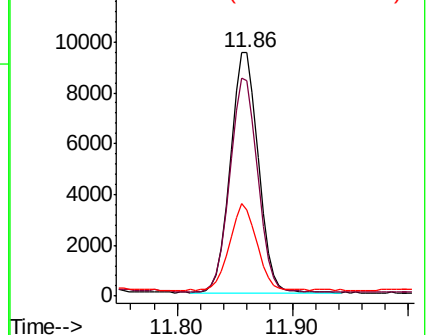
115 35.7 27.1 40.7

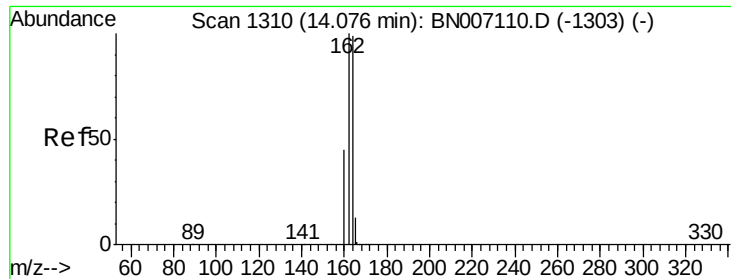


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





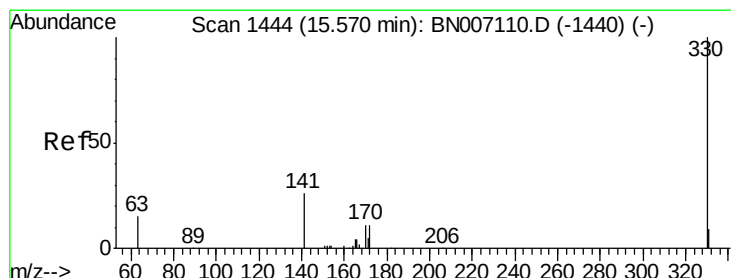
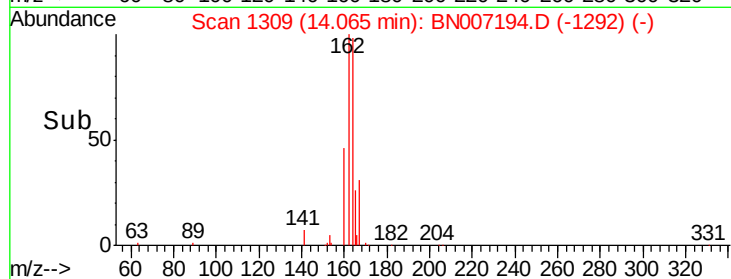
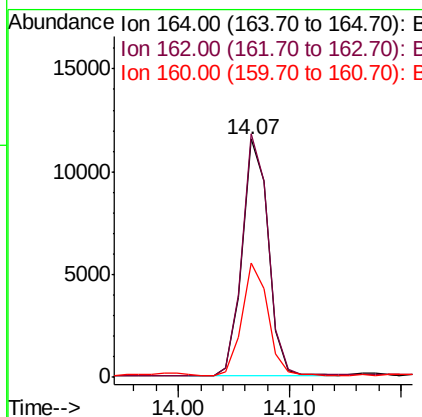
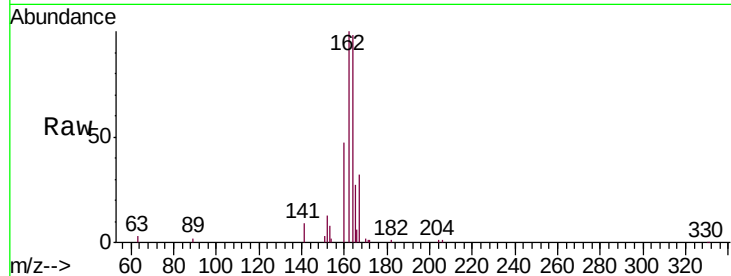
#12
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.07 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BN007194.D
 Acq: 15 Aug 2019 13:45

Instrument :
 BNA_N
 ClientSampleId :
 EXT-015-SW088-080119DL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	18553		
162	102.3	82.2	123.4	
160	47.8	38.3	57.5	

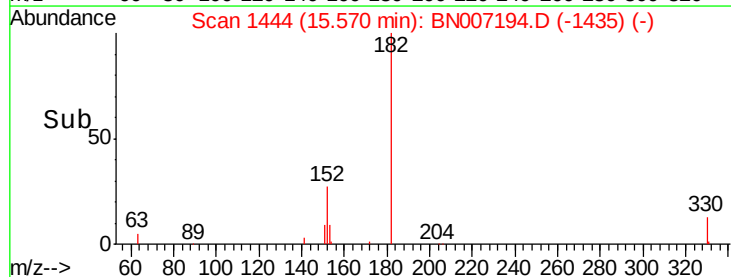
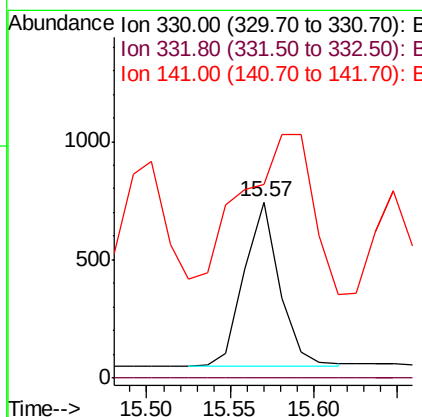
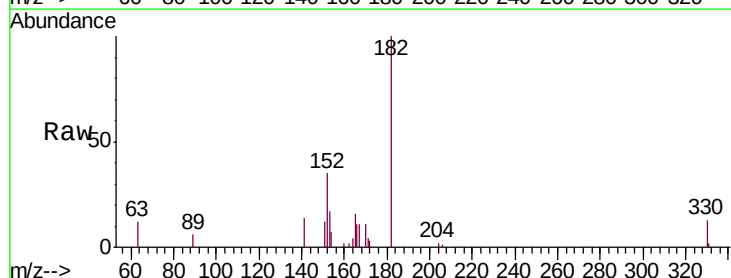
Manual Integrations
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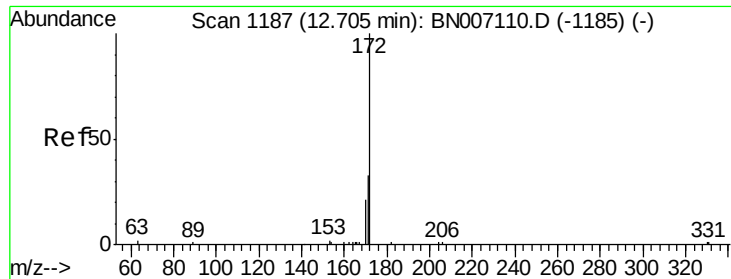
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#13
 2,4,6-Tribromophenol
 Concen: 0.103 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007194.D
 Acq: 15 Aug 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	1031		
332	0.0	0.0	0.0	
141	0.0	33.6	50.4#	





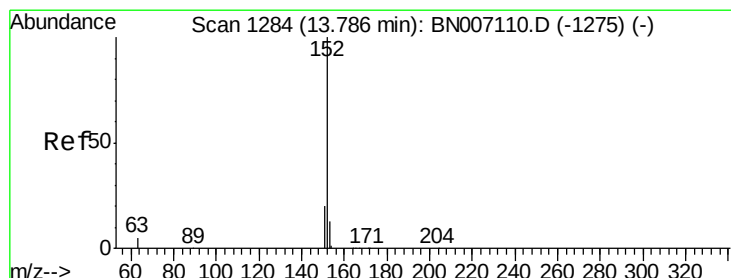
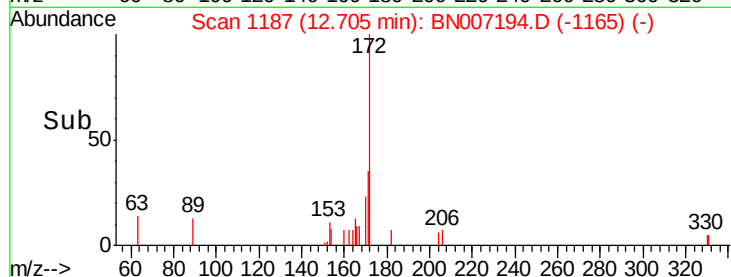
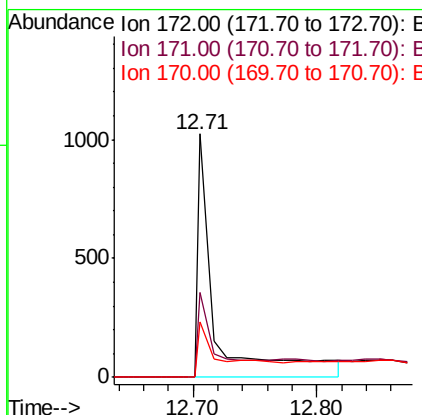
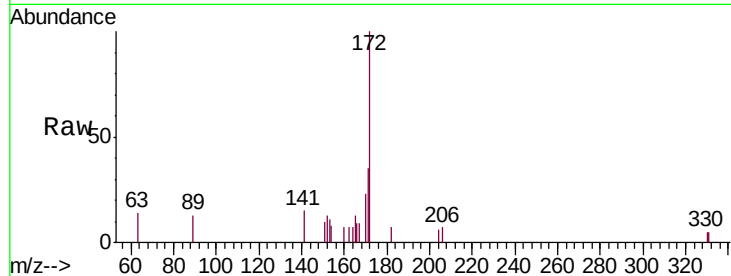
#14
2-Fluorobiphenyl
Concen: 0.041 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
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EXT-015-SW088-080119DL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	26.3	39.5
170	22.9	17.0	25.4

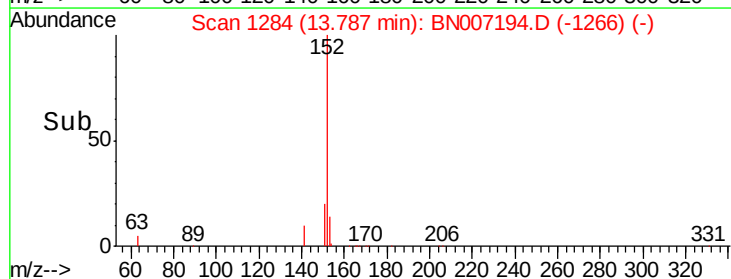
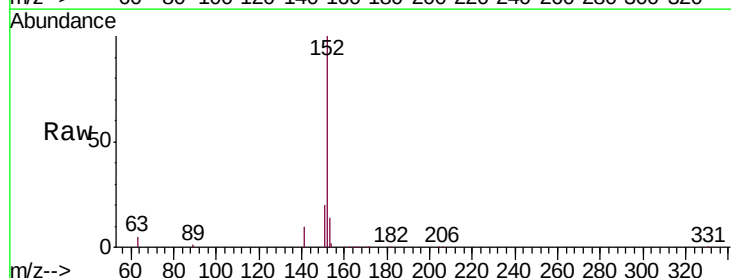
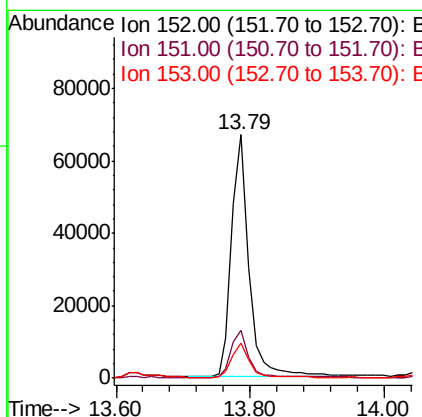
Manual Integrations
APPROVED

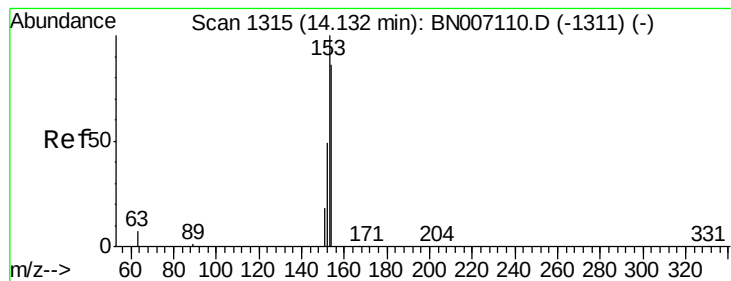
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#15
Acenaphthylene
Concen: 1.254 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	14.1	10.4	15.6





#16

Acenaphthene

Concen: 0.274 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

Instrument :

BNA_N

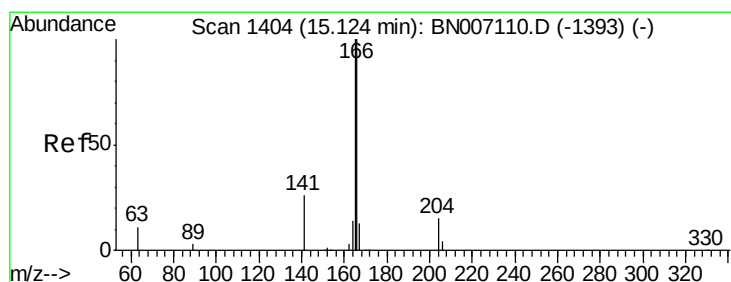
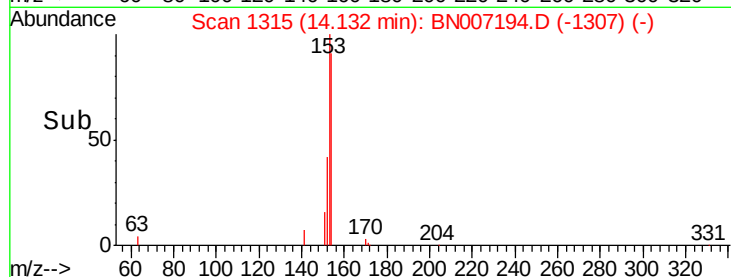
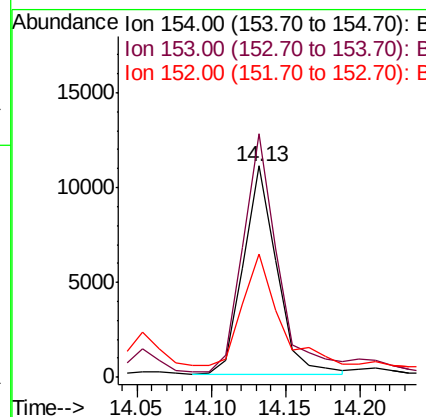
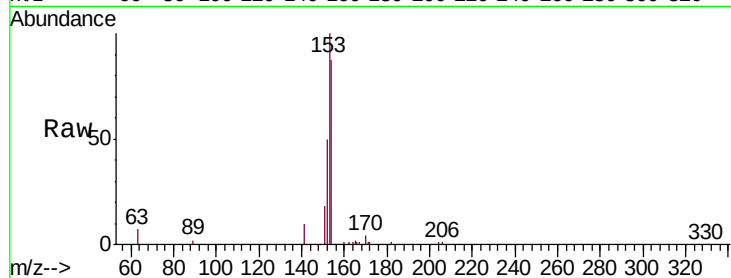
ClientSampleId :

EXT-015-SW088-080119DL

Tgt	Ion:154	Resp:	17030
Ion	Ratio	Lower	Upper
154	100		
153	125.7	89.5	134.3
152	65.2	44.8	67.2

Manual Integrations
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#17

Fluorene

Concen: 0.489 ng

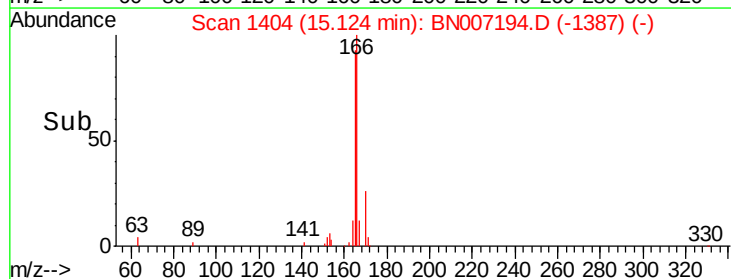
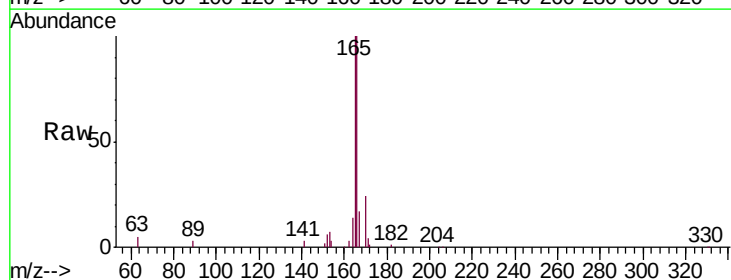
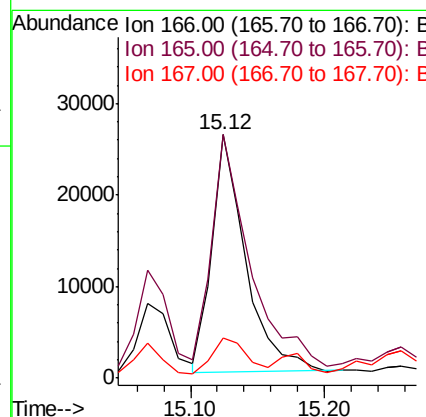
RT: 15.12 min Scan# 1404

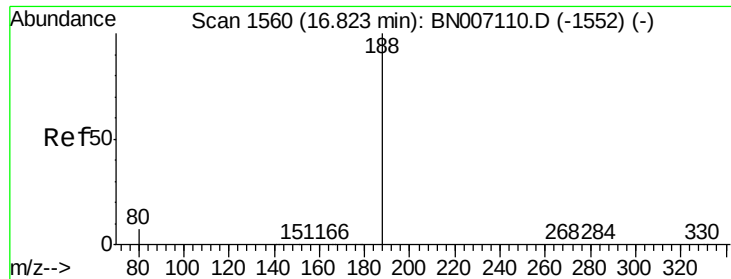
Delta R.T. -0.01 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

Tgt	Ion:166	Resp:	45486
Ion	Ratio	Lower	Upper
166	100		
165	109.7	77.9	116.9
167	15.6	10.9	16.3





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

Instrument :

BNA_N

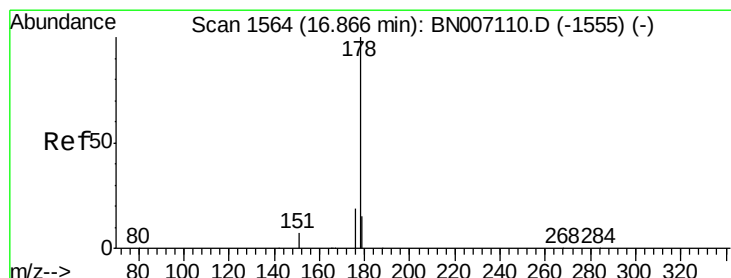
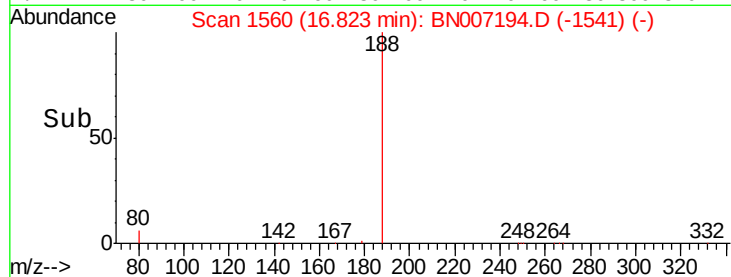
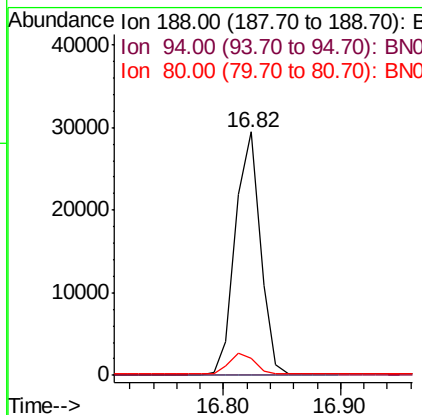
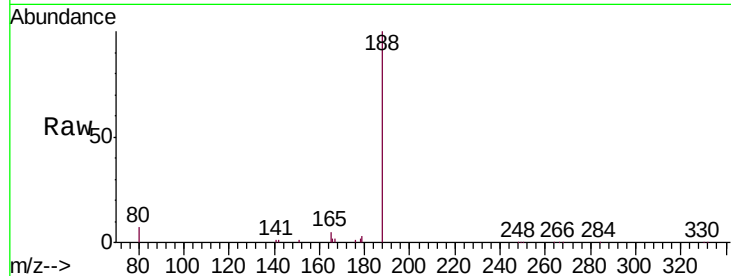
ClientSampleId :

EXT-015-SW088-080119DL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	43171		
94	0.0	0.0	0.0	
80	6.8	7.8	11.6	

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#22

Phenanthrene

Concen: 6.853 ng

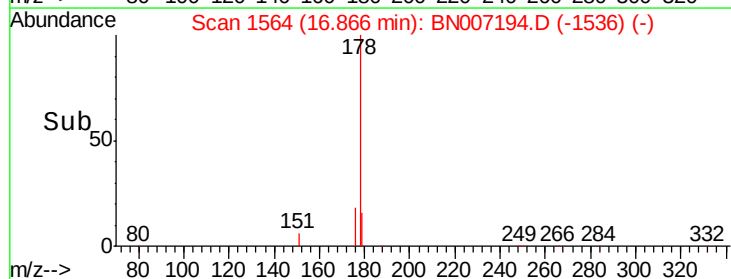
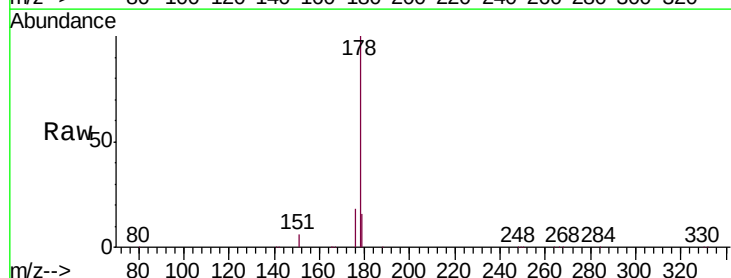
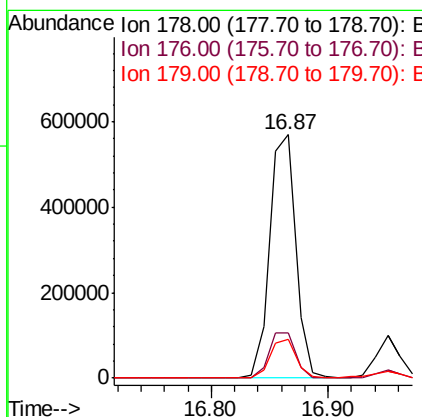
RT: 16.87 min Scan# 1564

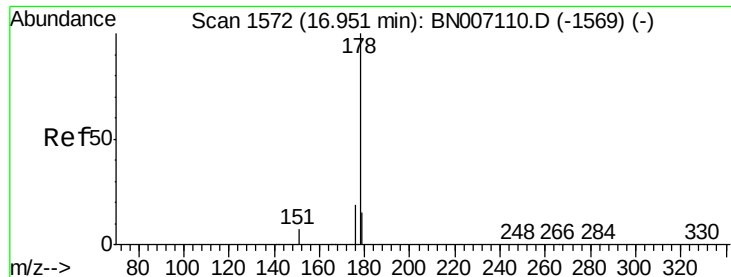
Delta R.T. -0.00 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	886612		
176	19.0	15.2	22.8	
179	15.5	12.3	18.5	





#23

Anthracene

Concen: 1.131 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

Instrument :

BNA_N

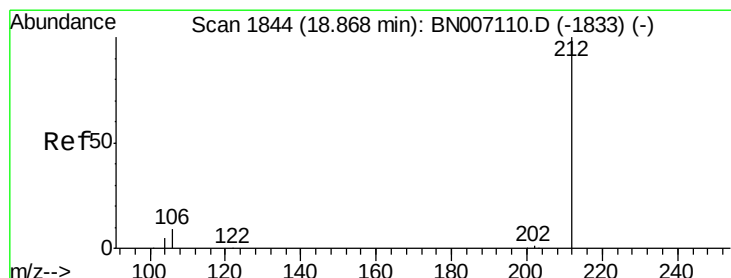
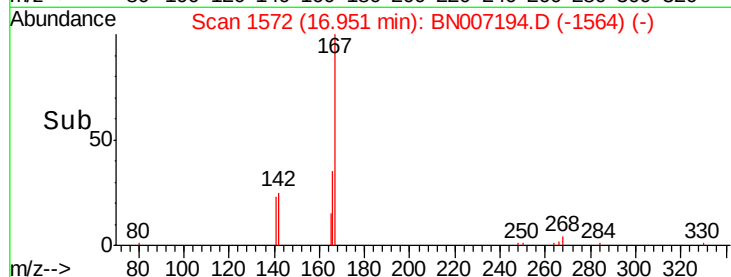
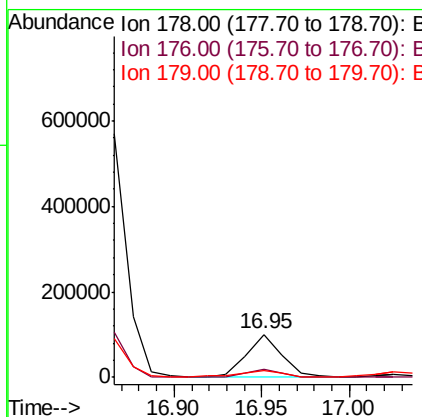
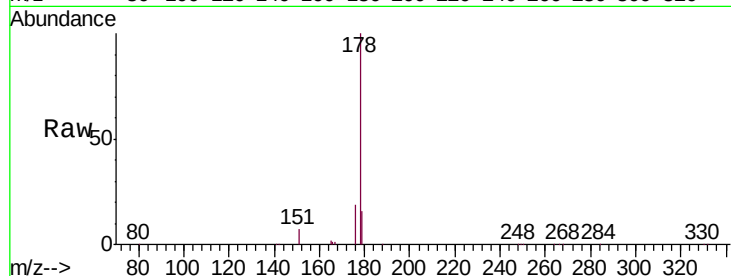
ClientSampleId :

EXT-015-SW088-080119DL

Tgt Ion:	178	Resp:	133736
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.6	21.8
179	17.0	12.5	18.7

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#24

Fluoranthene-d10

Concen: 0.116 ng

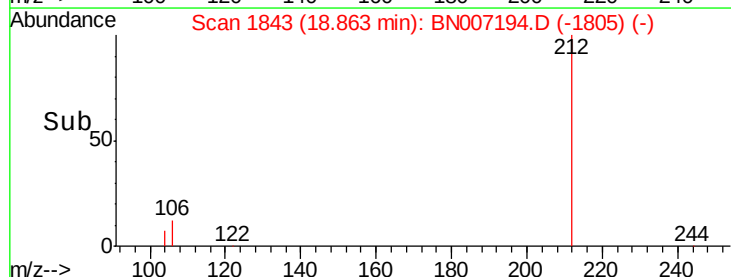
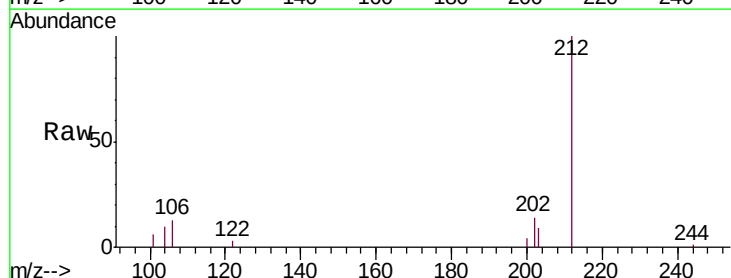
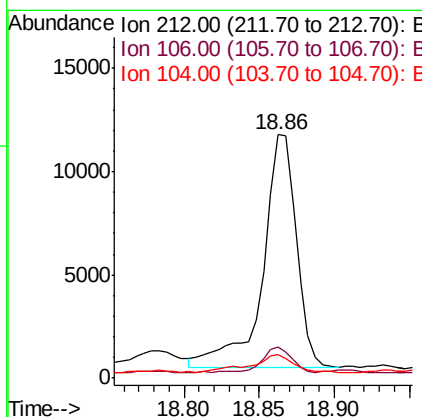
RT: 18.86 min Scan# 1843

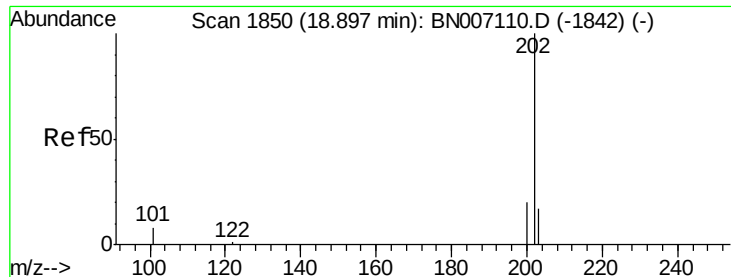
Delta R.T. -0.01 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

Tgt Ion:	212	Resp:	17724
Ion Ratio	Lower	Upper	
212	100		
106	9.9	8.2	12.2
104	9.0	4.5	6.7#





#25

Fluoranthene

Concen: 5.737 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

Instrument :

BNA_N

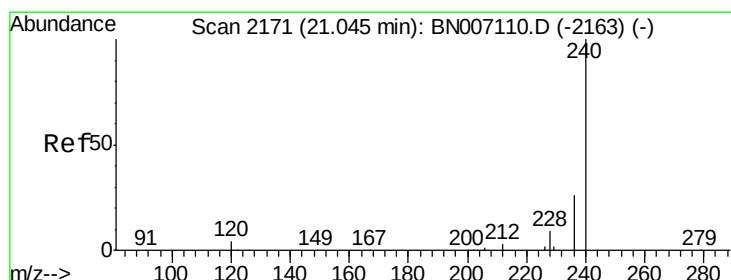
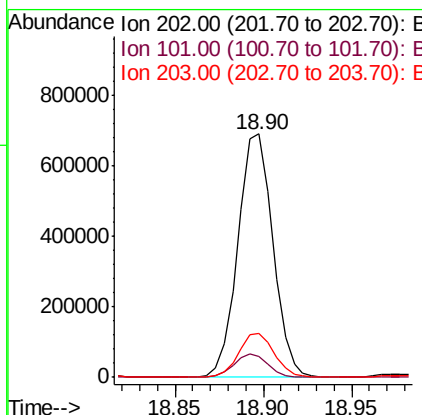
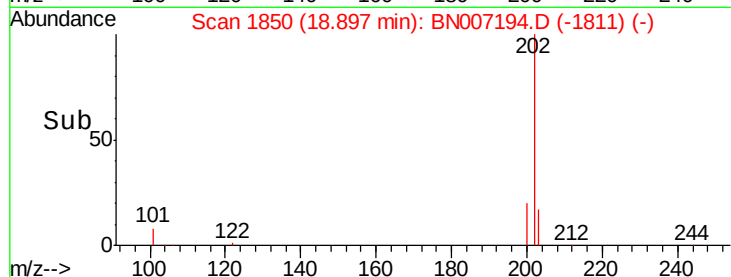
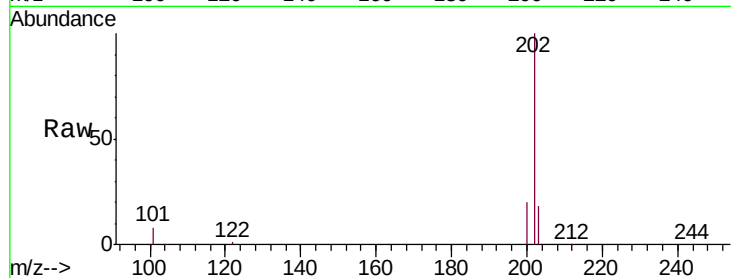
ClientSampleId :

EXT-015-SW088-080119DL

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		949527		
101	9.1	7.0	10.4		
203	18.0	13.8	20.8		

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#26

Chrysene-d12

Concen: 0.400 ng

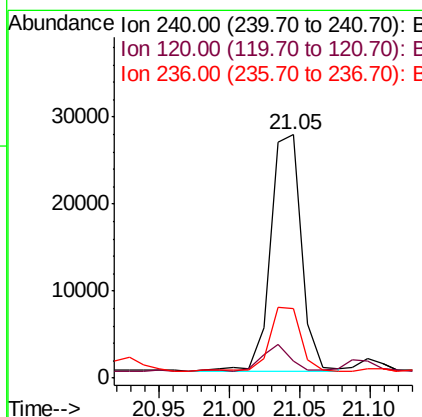
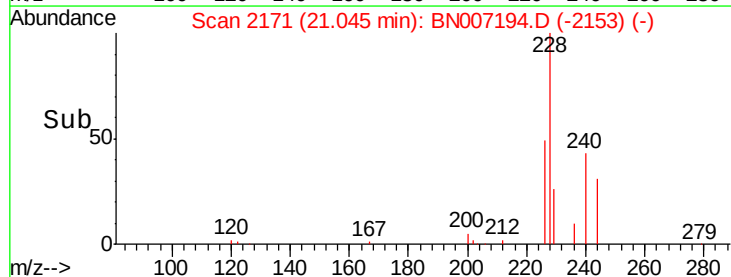
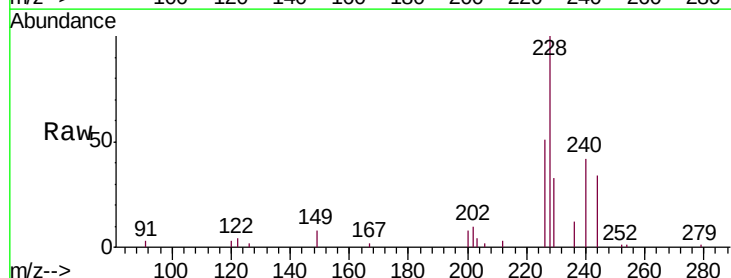
RT: 21.05 min Scan# 2171

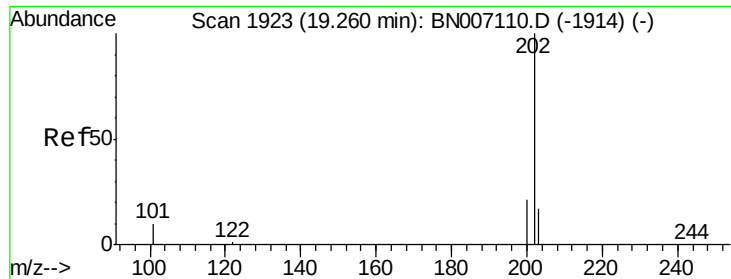
Delta R.T. -0.01 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		42278		
120	6.8	4.0	6.0#		
236	28.4	21.3	31.9		





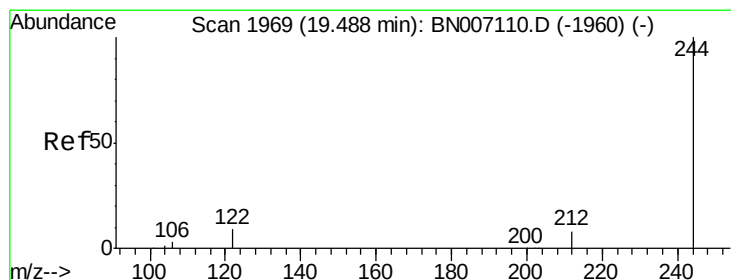
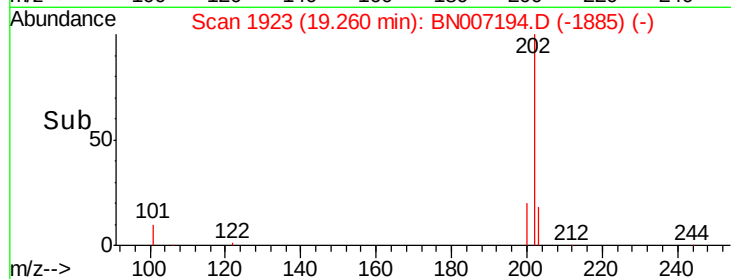
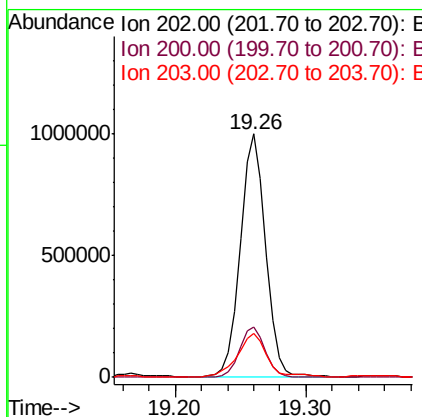
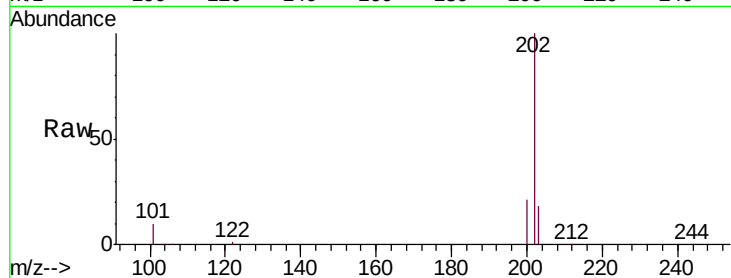
#27
Pyrene
Concen: 9.110 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW088-080119DL

Tgt Ion: 202 Resp: 1350763
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 20.2 14.0 21.0

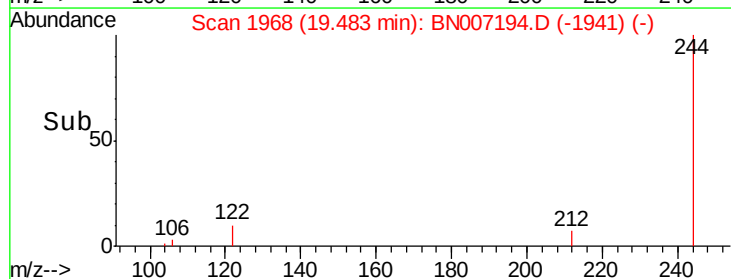
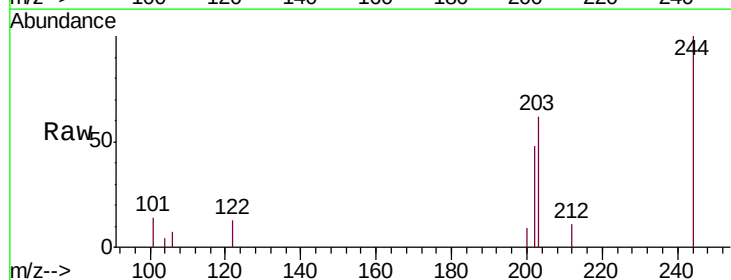
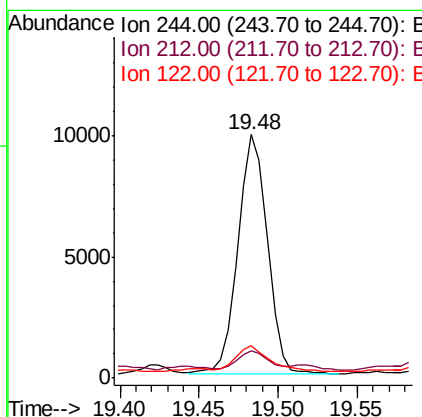
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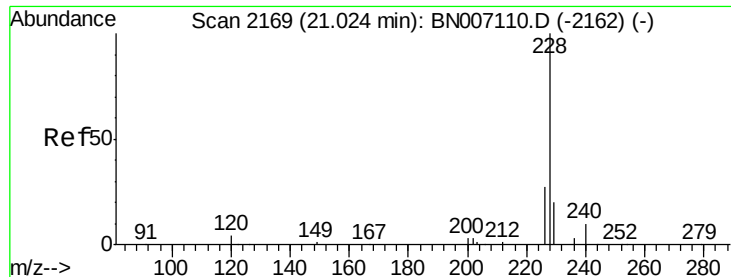
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#28
Terphenyl-d14
Concen: 0.110 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion: 244 Resp: 12701
Ion Ratio Lower Upper
244 100
212 11.1 6.2 9.2#
122 13.4 7.4 11.2#





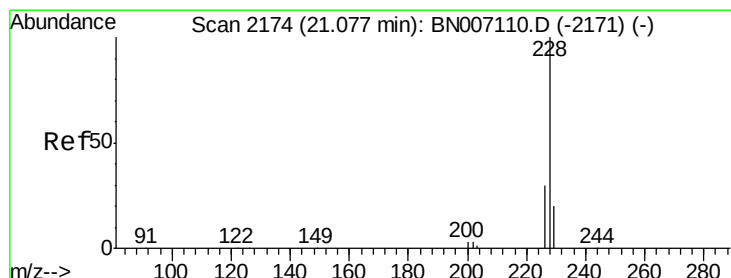
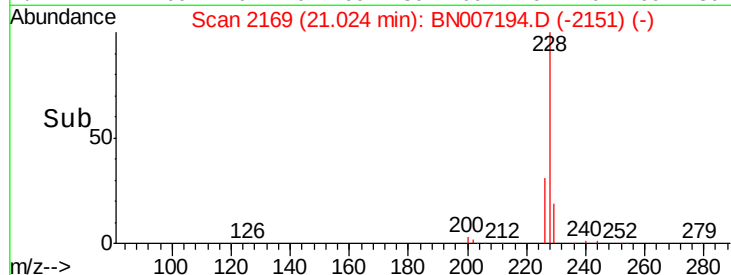
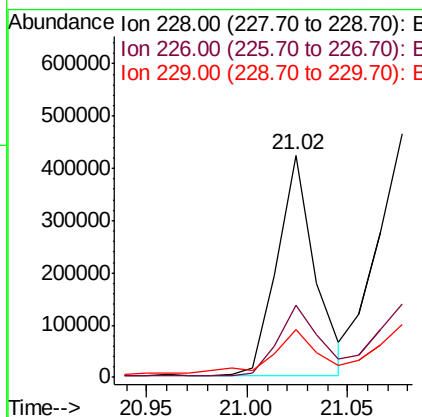
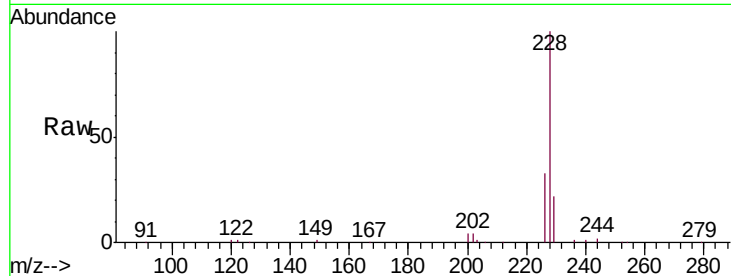
#29
Benzo(a)anthracene
Concen: 3.579 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW088-080119DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	21.8	32.6
229	21.6	15.6	23.4

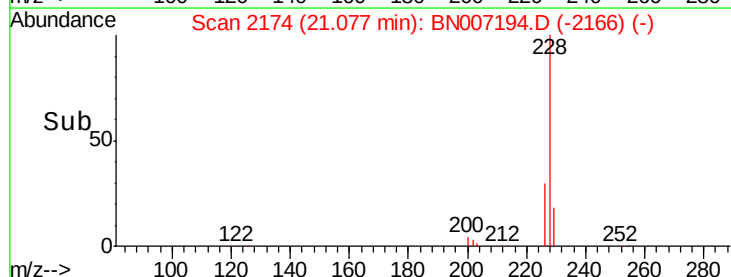
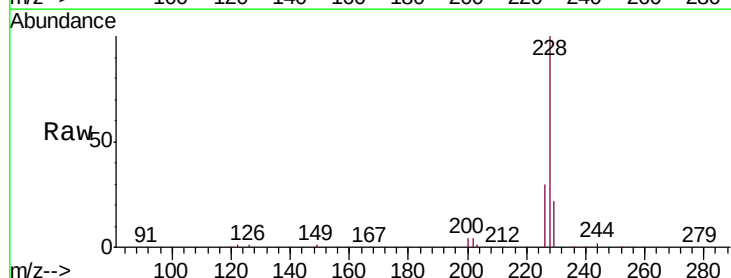
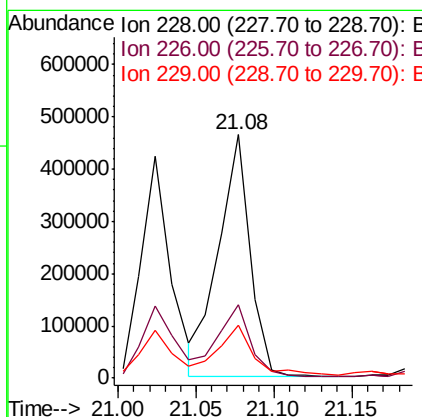
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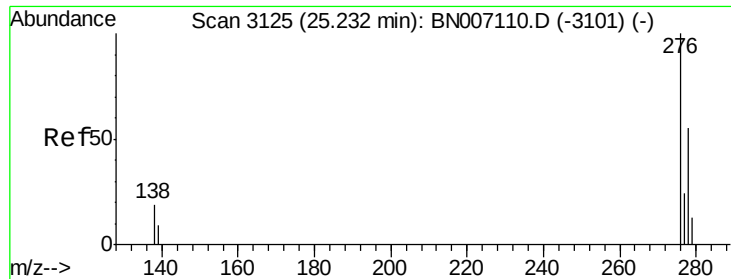
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#30
Chrysene
Concen: 4.335 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.6
229	21.9	15.7	23.5





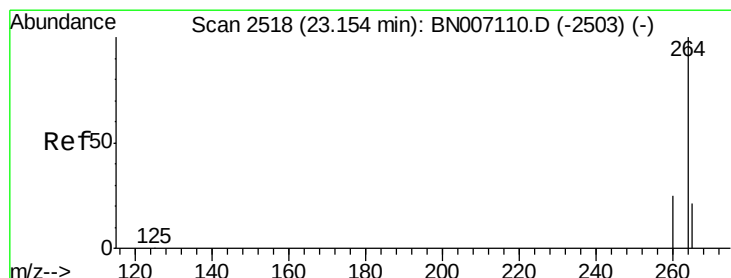
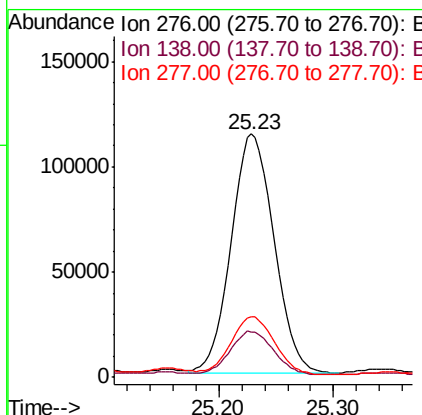
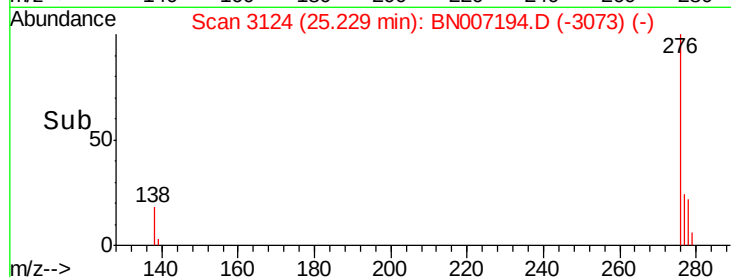
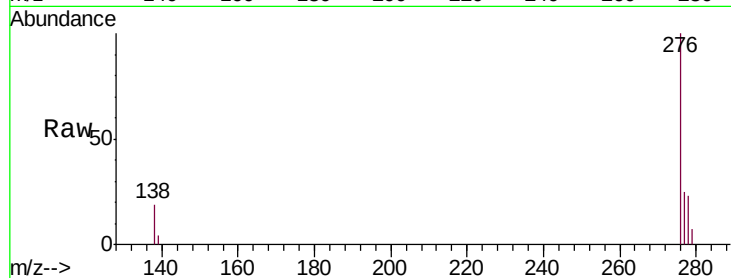
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 1.773 ng
 RT: 25.23 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BN007194.D
 Acq: 15 Aug 2019 13:45

Instrument :
 BNA_N
 ClientSampleId :
 EXT-015-SW088-080119DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	18.6	16.0	24.0
277	24.9	19.9	29.9

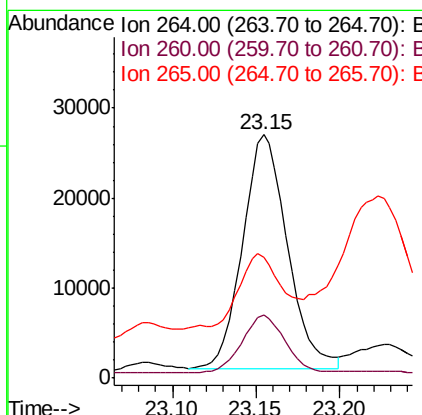
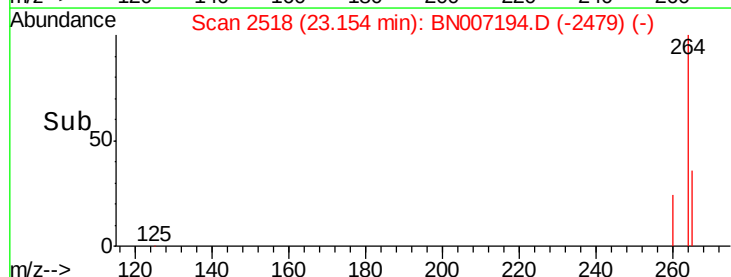
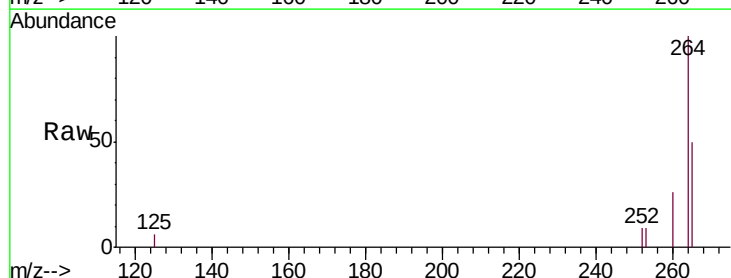
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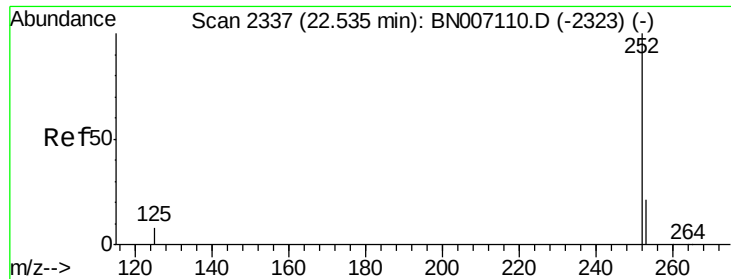
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#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BN007194.D
 Acq: 15 Aug 2019 13:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.9	19.8	29.8
265	49.6	26.2	39.4





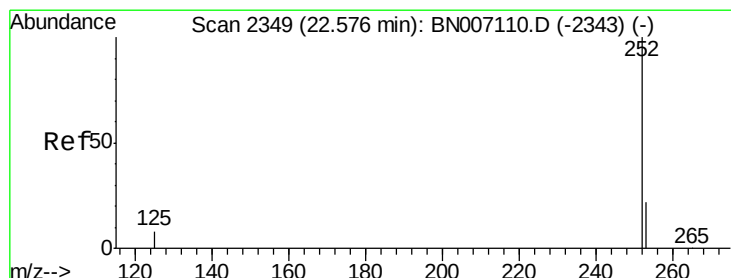
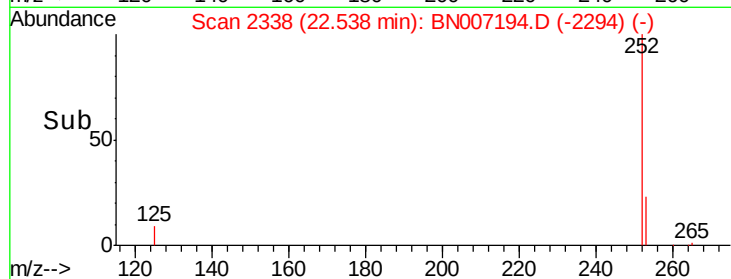
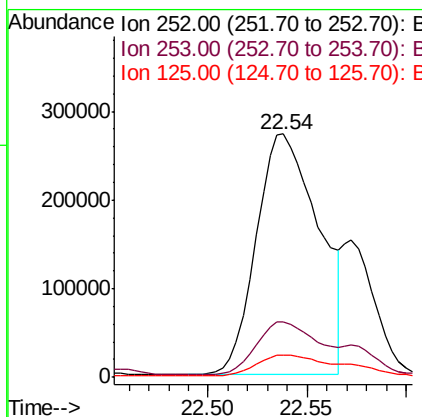
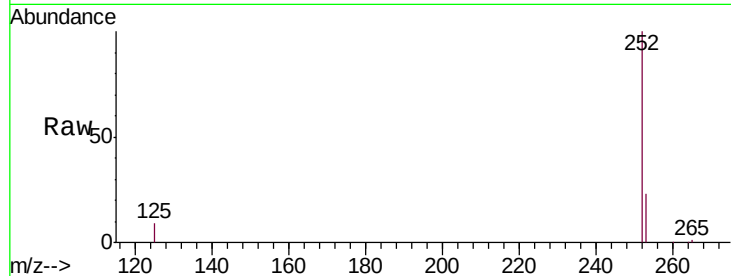
#33
Benzo(b)fluoranthene
Concen: 3.568 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW088-080119DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	596184		
253	22.9	18.2	27.2	
125	9.3	7.4	11.0	

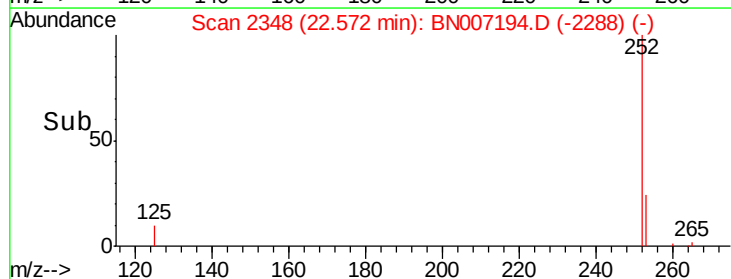
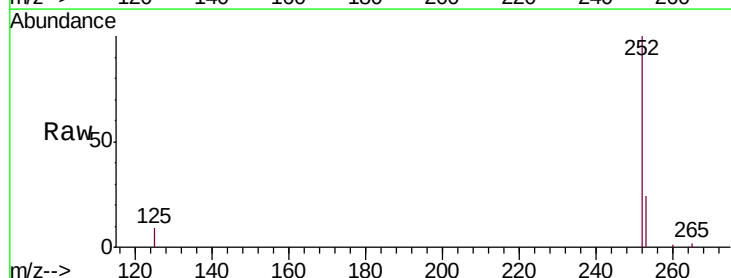
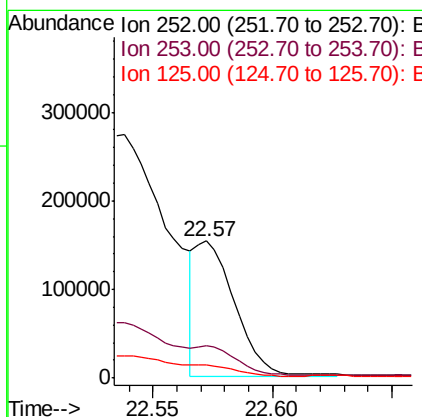
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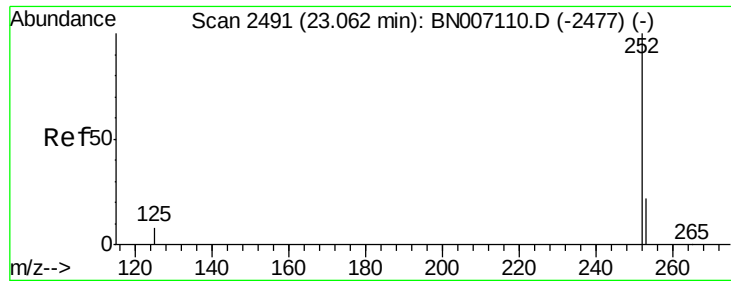
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#34
Benzo(k)fluoranthene
Concen: 1.060 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	174927		
253	23.6	18.1	27.1	
125	9.4	7.4	11.0	





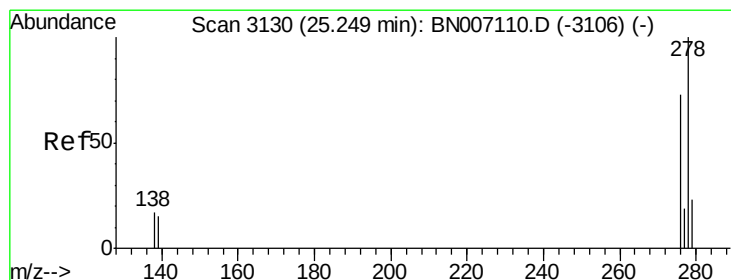
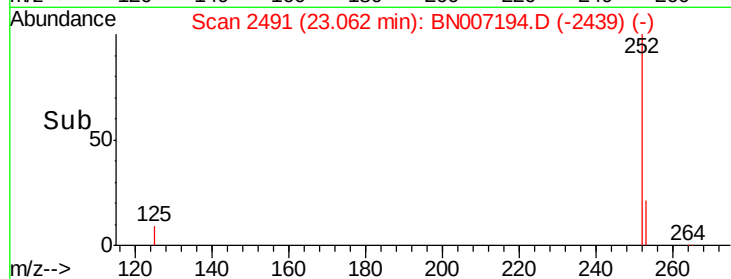
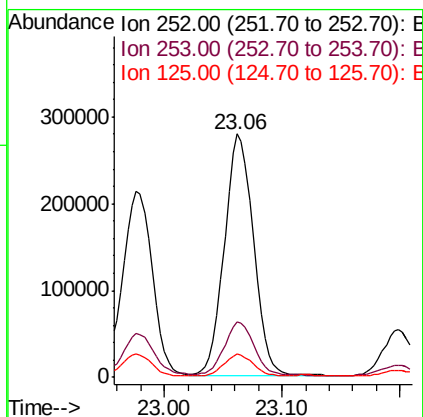
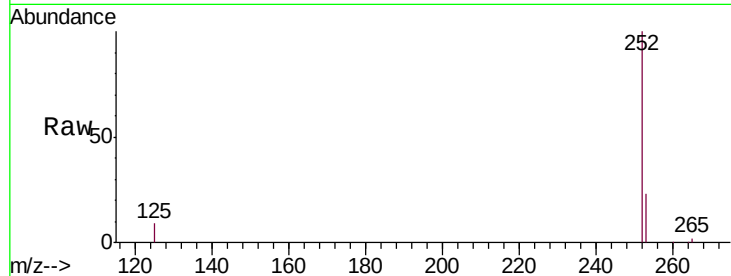
#35
Benzo(a)pyrene
Concen: 3.135 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW088-080119DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	474891		
253	22.6	18.5	27.7	
125	9.4	8.2	12.4	

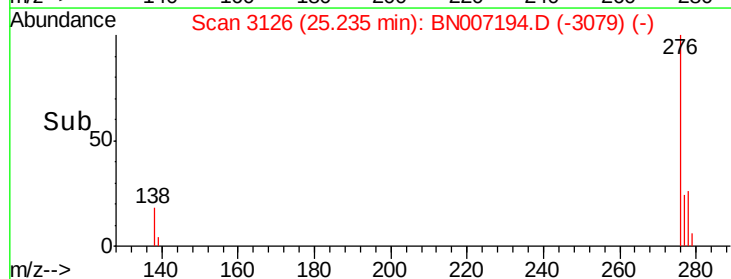
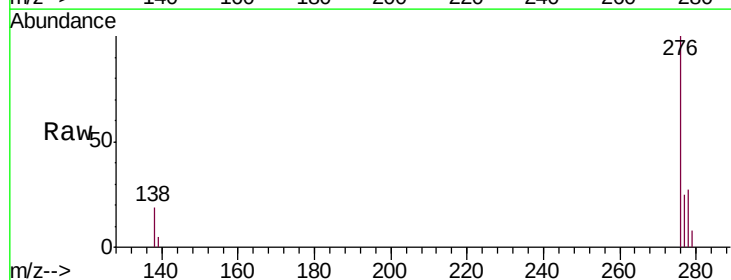
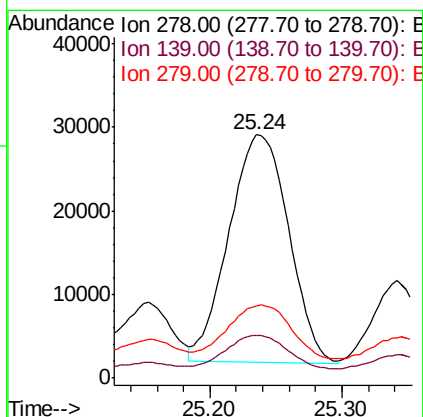
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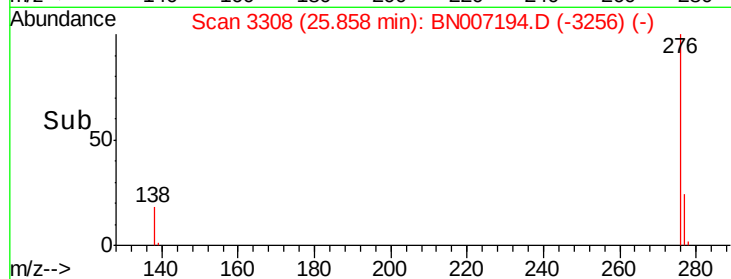
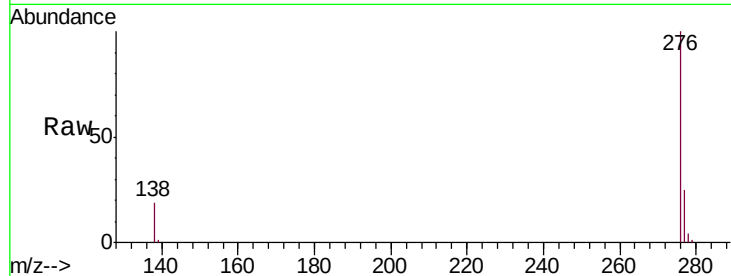
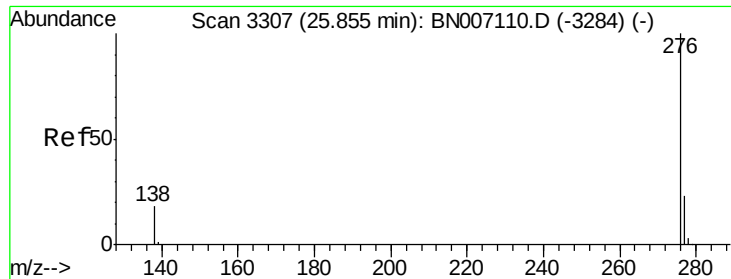
Jagrut
8/16/2019 6:11:20 PM



#36
Dibenzo(a,h)anthracene
Concen: 0.566 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.04 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	85497		
139	17.7	11.3	16.9#	
279	29.8	19.3	28.9#	





#37

Benzo(g,h,i)perylene

Concen: 2.173 ng

RT: 25.86 min Scan# 3308

Delta R.T. -0.02 min

Lab File: BN007194.D

Acq: 15 Aug 2019 13:45

Instrument :

BNA_N

ClientSampleId :

EXT-015-SW088-080119DL

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
277	24.6	19.8	29.8		
138	19.0	14.6	22.0		

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:20 PM

