

Data File : BN007195.D
Acq On : 15 Aug 2019 14:21
Operator : HP/JU
Sample : K4173-22DL 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119DL

Manual Integrations
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8/16/2019 6:11:22 PM

Quant Time: Aug 16 06:52:44 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	10771	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	41406	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	23782	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	57473	0.40	ng	0.00
26) Chrysene-d12	21.05	240	60732	0.40	ng	-0.01
32) Perylene-d12	23.16	264	68866	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	2078	0.08	ng	0.00
4) Phenol-d6	6.61	99	2782	0.09	ng	0.00
7) Nitrobenzene-d5	8.55	82	2240	0.07	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	4930	0.06	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	799	0.06	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	785	0.02	ng	0.00
24) Fluoranthene-d10	18.87	212	14853	0.07	ng	0.00
28) Terphenyl-d14	19.48	244	10889	0.07	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Naphthalene	10.22	128	10610	0.091	ng	97
11) 2-Methylnaphthalene	11.86	142	11257	0.137	ng	98
15) Acenaphthylene	13.79	152	93464	0.752	ng	99
16) Acenaphthene	14.13	154	10778	0.135	ng	94
17) Fluorene	15.12	166	29403	0.247	ng	88
22) Phenanthrene	16.87	178	565409	3.283	ng	100
23) Anthracene	16.95	178	86978	0.553	ng	98
25) Fluoranthene	18.90	202	584632	2.653	ng	99
27) Pyrene	19.26	202	919304	4.316	ng	97
29) Benzo(a)anthracene	21.02	228	355240m	1.599	ng	
30) Chrysene	21.08	228	438611	2.033	ng	98
31) Indeno(1,2,3-cd)pyrene	25.23	276	195546	0.822	ng	99
33) Benzo(b)fluoranthene	22.53	252	383464	1.624	ng	100
34) Benzo(k)fluoranthene	22.57	252	105761m	0.453	ng	
35) Benzo(a)pyrene	23.06	252	317912	1.485	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	57001	0.267	ng	# 87
37) Benzo(g,h,i)perylene	25.86	276	232557	1.058	ng	99

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

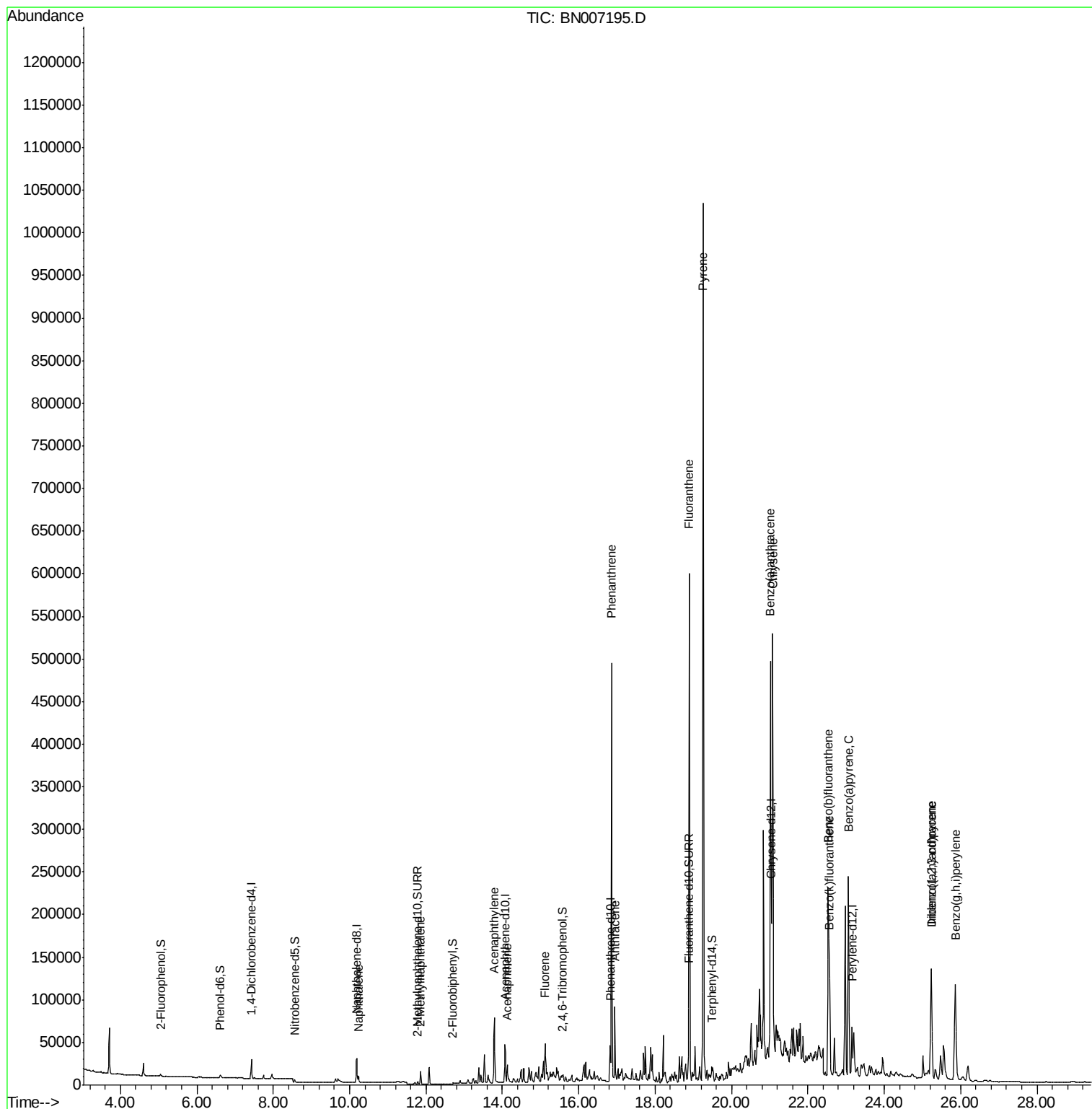
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
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#1

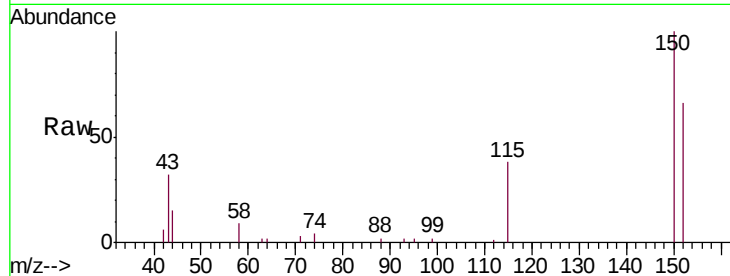
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.3	121.7	182.5
115	57.3	46.2	69.4

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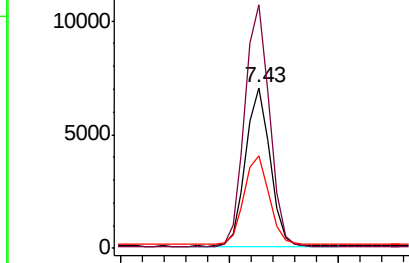


Abundance

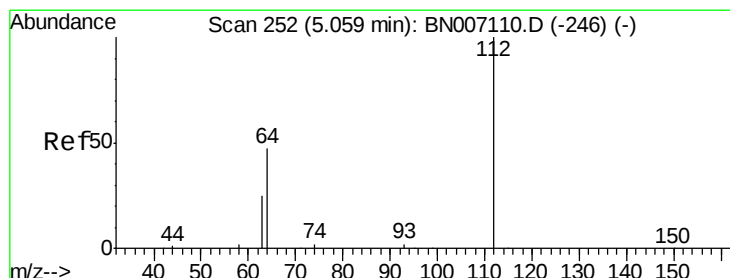
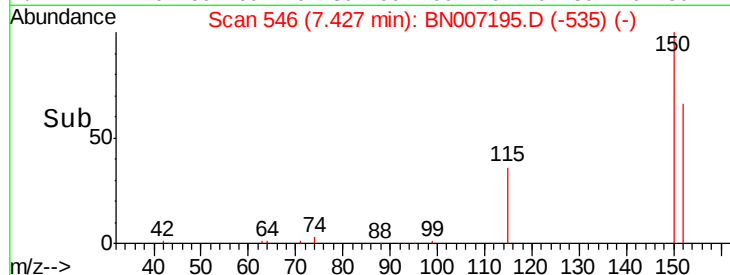
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



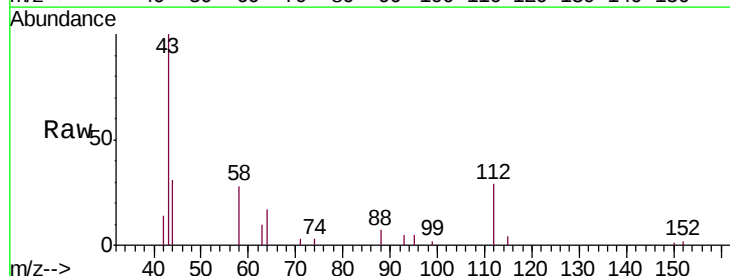
Time-->



#3

2-Fluorophenol
Concen: 0.080 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	42.6	63.8
63	30.8	22.2	33.2

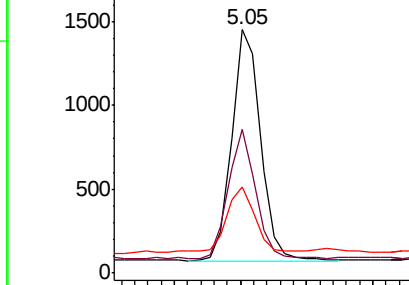


Abundance

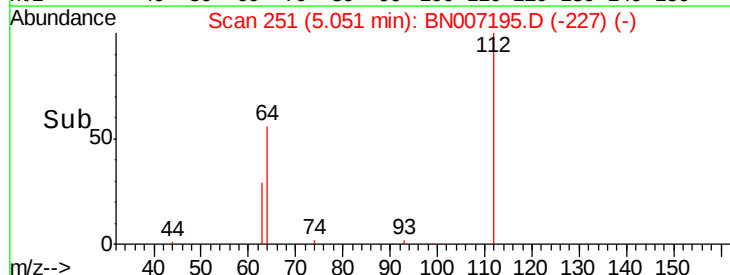
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



Time-->





#4

Phenol-d6

Concen: 0.087 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007195.D

Acq: 15 Aug 2019 14:21

Instrument :

BNA_N

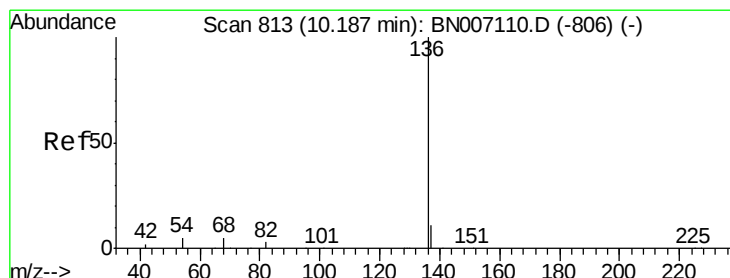
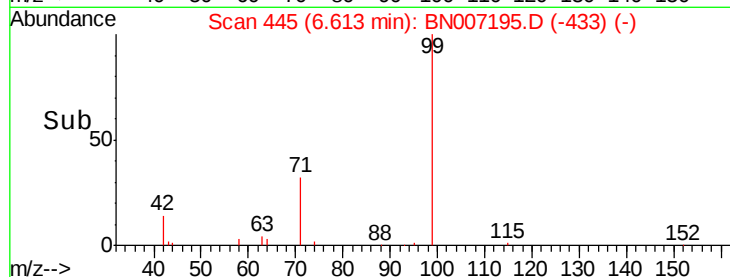
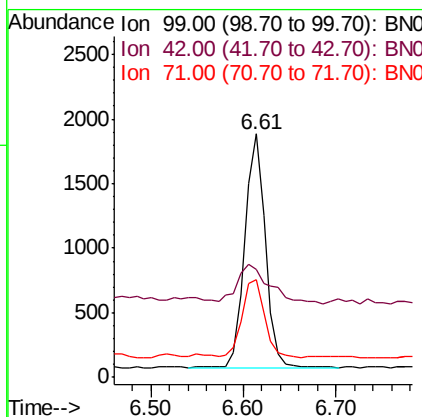
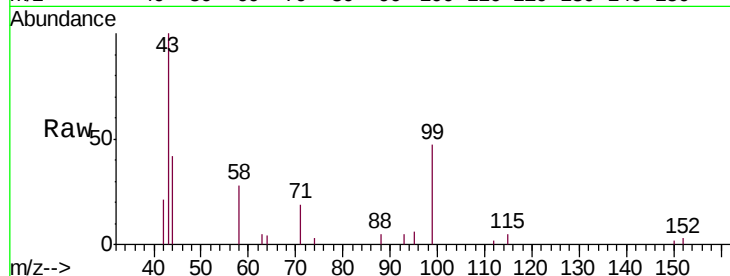
ClientSampleId :

EXT-015-SW090-080119DL

Tgt Ion:	99	Resp:	2782
Ion Ratio	Lower	Upper	
99	100		
42	25.3	15.8	23.6#
71	36.5	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

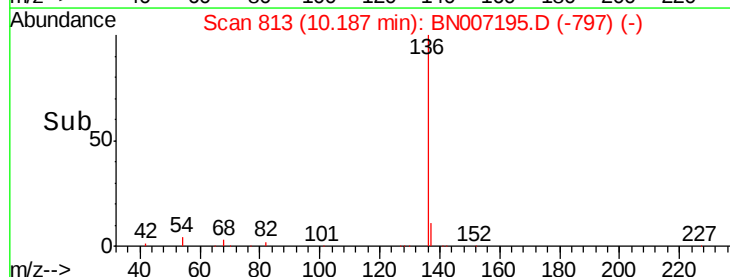
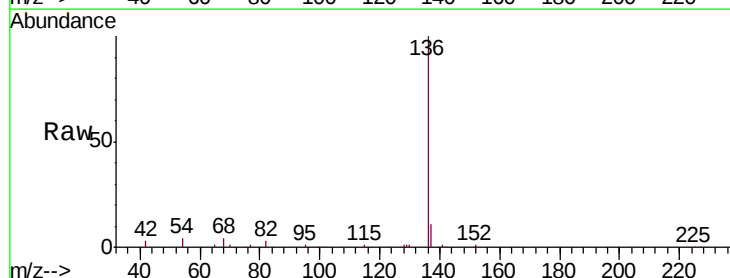
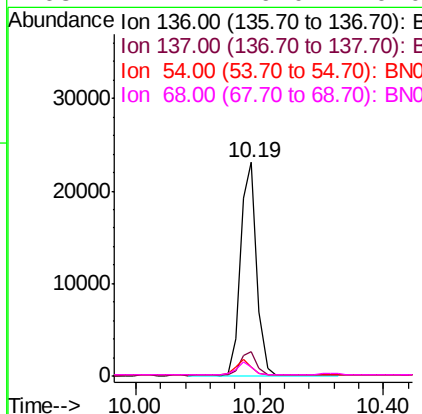
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007195.D

Acq: 15 Aug 2019 14:21

Tgt Ion:	136	Resp:	41406
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.4	14.0
54	4.3	6.6	9.8#
68	4.1	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.067 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007195.D

Acq: 15 Aug 2019 14:21

Instrument :

BNA_N

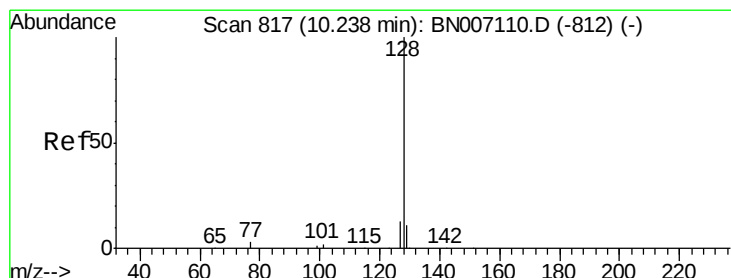
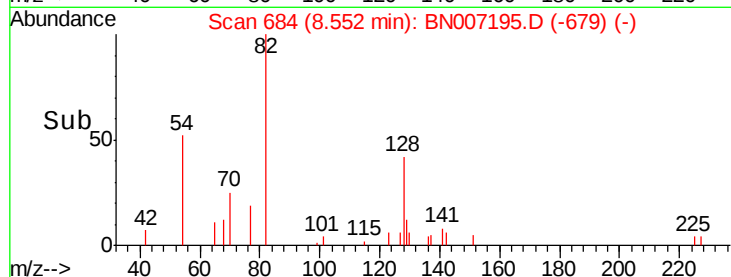
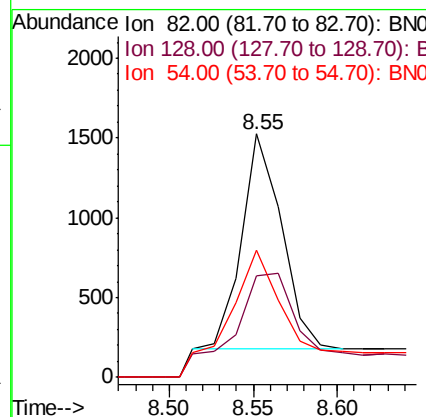
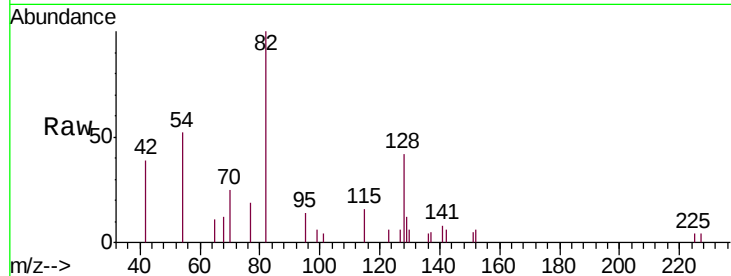
ClientSampleId :

EXT-015-SW090-080119DL

Tgt Ion:	82	Resp:	2240
Ion Ratio	Lower	Upper	
82	100		
128	41.7	34.6	51.8
54	52.0	36.2	54.4

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#8

Naphthalene

Concen: 0.091 ng

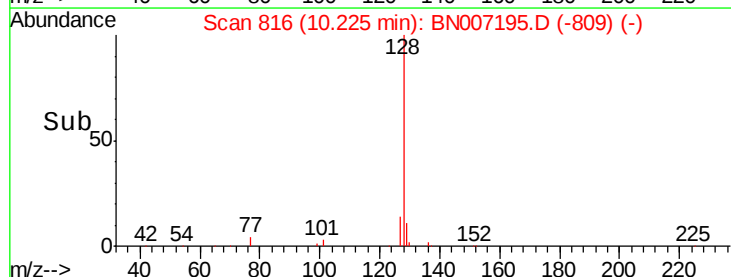
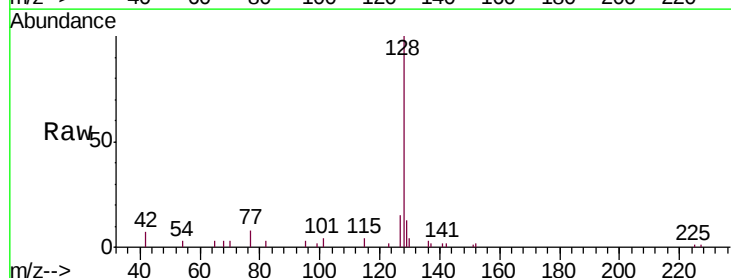
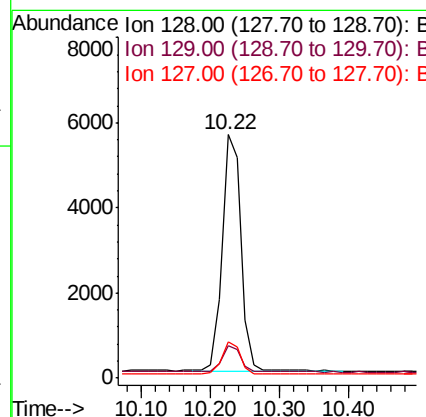
RT: 10.22 min Scan# 816

Delta R.T. -0.01 min

Lab File: BN007195.D

Acq: 15 Aug 2019 14:21

Tgt Ion:	128	Resp:	10610
Ion Ratio	Lower	Upper	
128	100		
129	13.2	9.4	14.2
127	14.6	11.0	16.6





#10

2-Methylnaphthalene-d10

Concen: 0.064 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007195.D

Acq: 15 Aug 2019 14:21

Instrument :

BNA_N

ClientSampleId :

EXT-015-SW090-080119DL

Tgt Ion:152 Resp: 4930

Ion Ratio Lower Upper

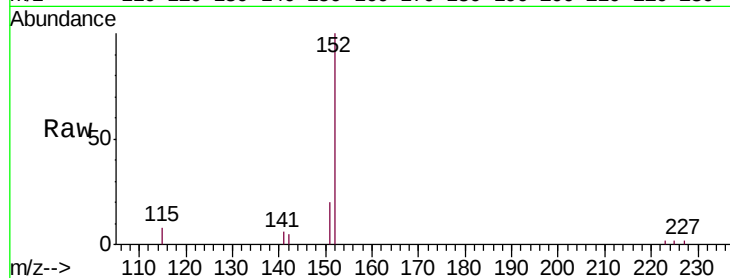
152 100

151 20.1 15.5 23.3

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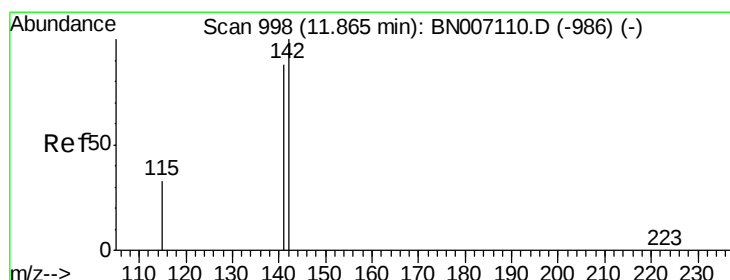
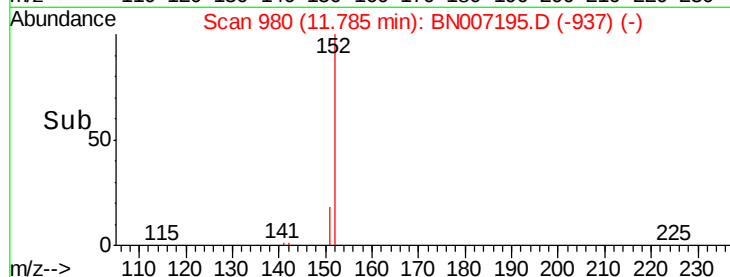
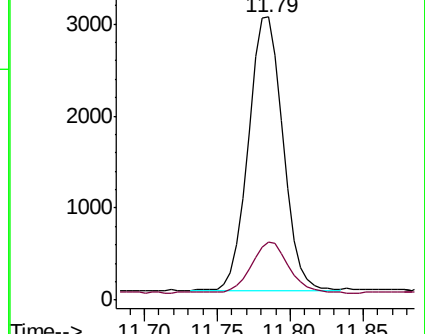
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#11

2-Methylnaphthalene

Concen: 0.137 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007195.D

Acq: 15 Aug 2019 14:21

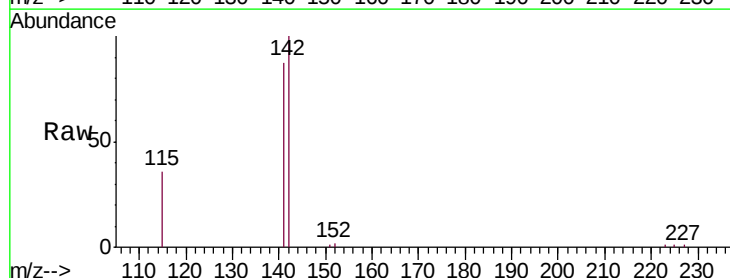
Tgt Ion:142 Resp: 11257

Ion Ratio Lower Upper

142 100

141 87.2 69.0 103.6

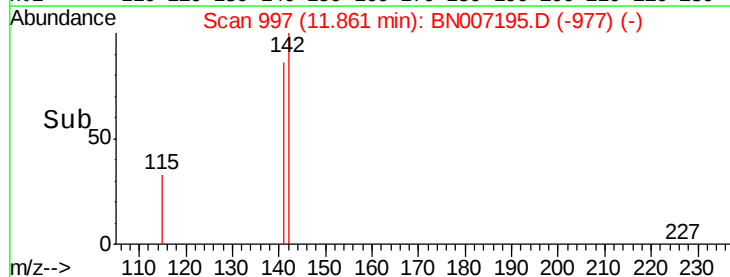
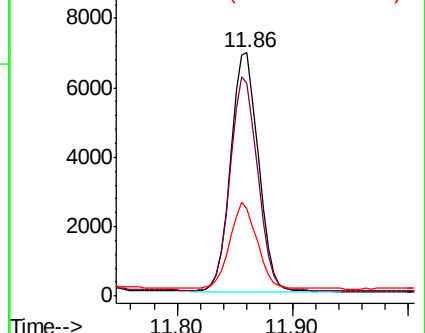
115 35.7 27.1 40.7



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





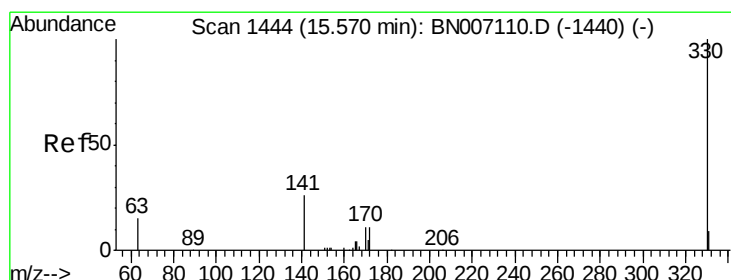
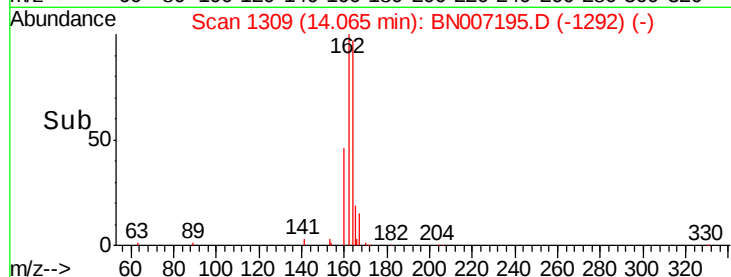
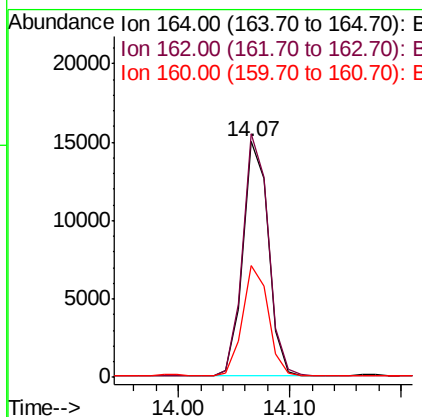
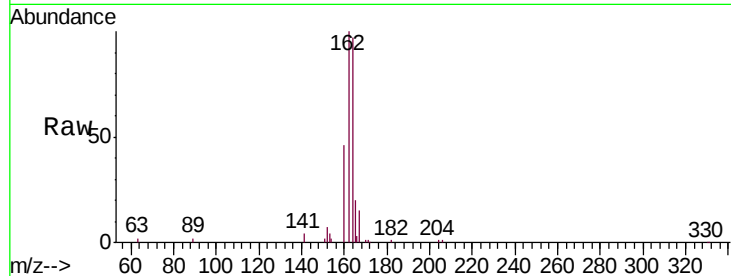
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119DL

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.2	123.4
160	47.6	38.3	57.5

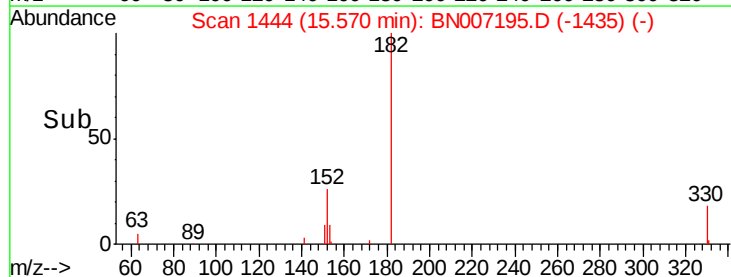
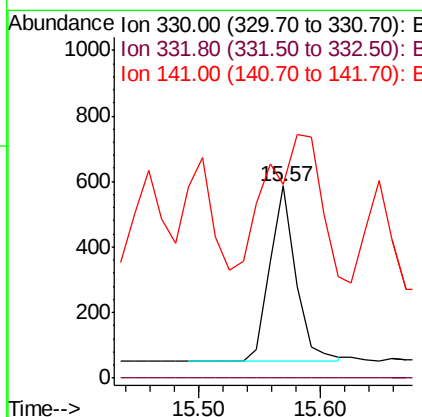
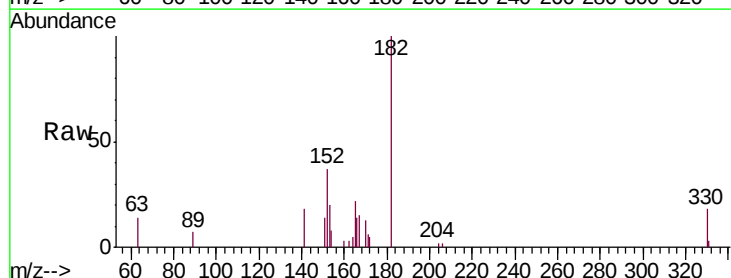
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#13
2,4,6-Tribromophenol
Concen: 0.062 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	161.6	33.6	50.4#





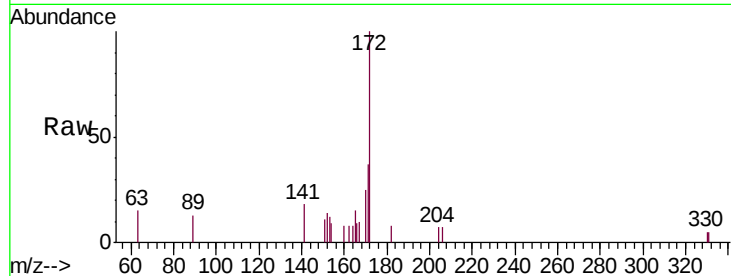
#14
2-Fluorobiphenyl
Concen: 0.023 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119DL

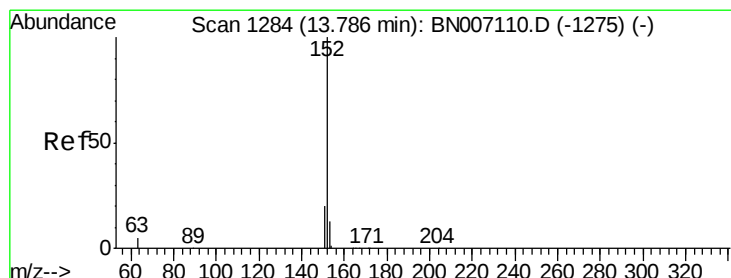
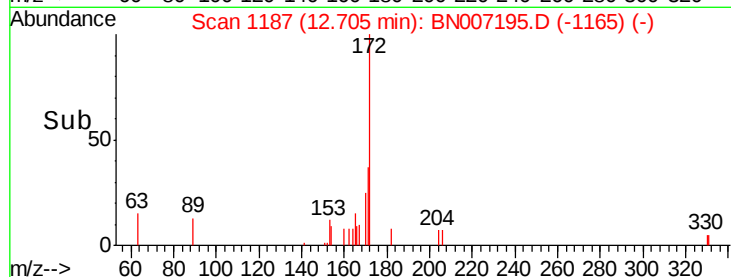
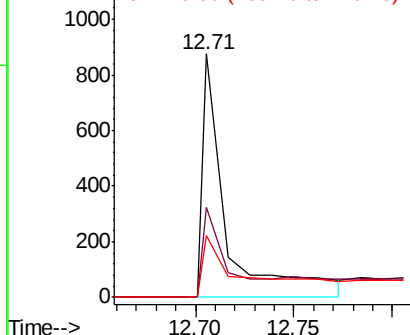
Tgt Ion:	172	Resp:	785
Ion Ratio	Lower	Upper	
172	100		
171	36.8	26.3	39.5
170	25.2	17.0	25.4

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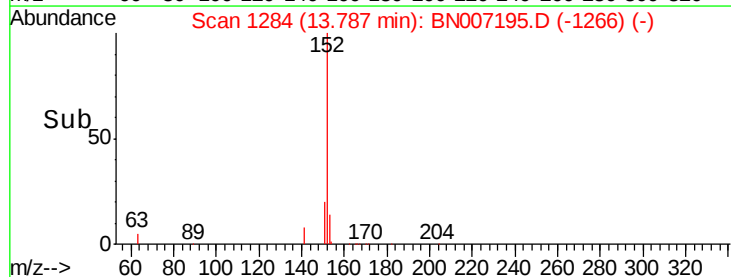
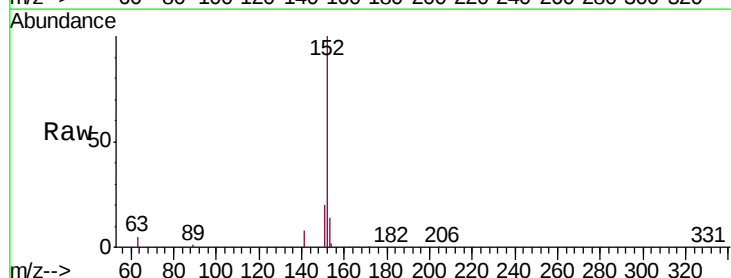
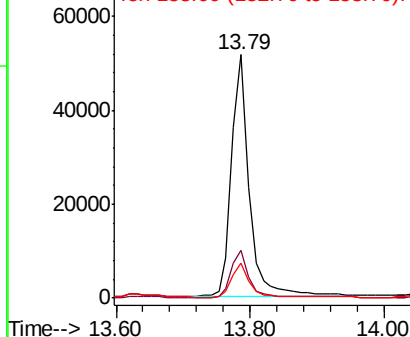
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#15
Acenaphthylene
Concen: 0.752 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:	152	Resp:	93464
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.8	23.6
153	13.8	10.4	15.6

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





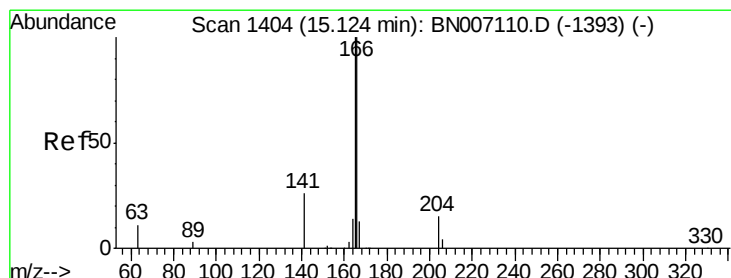
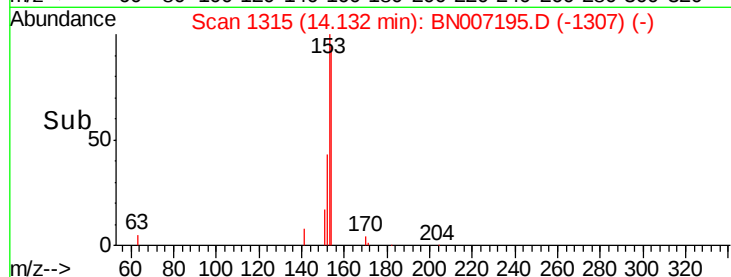
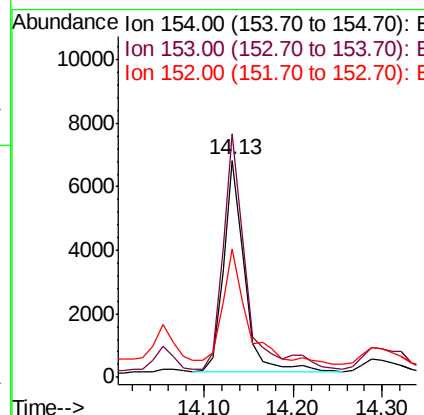
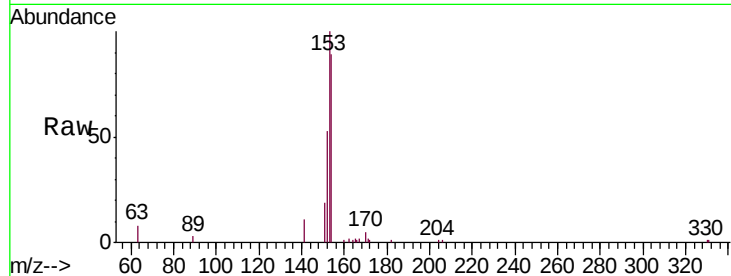
#16
Acenaphthene
Concen: 0.135 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119DL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	121.1	89.5	134.3
152	56.0	44.8	67.2

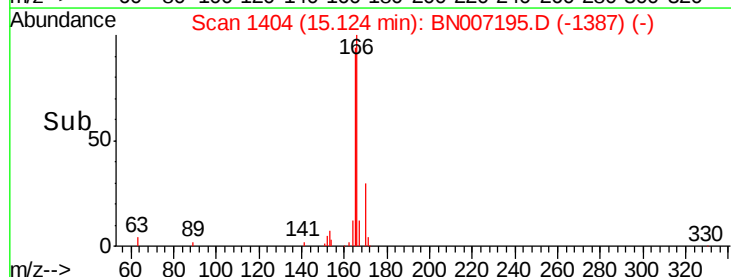
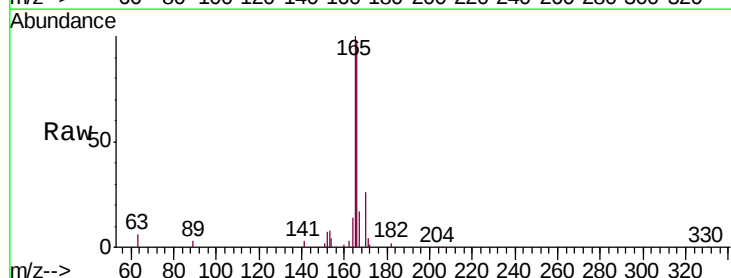
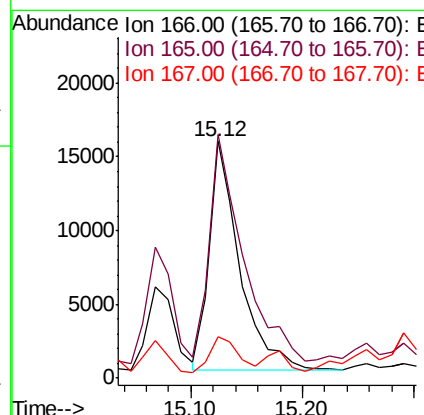
Manual Integrations
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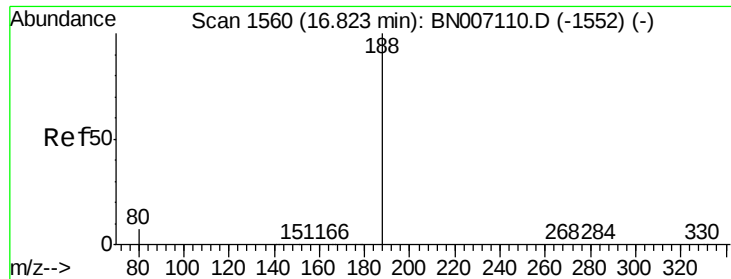
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#17
Fluorene
Concen: 0.247 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.7	77.9	116.9
167	15.1	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: BN007195.D

Acq: 15 Aug 2019 14:21

Instrument :

BNA_N

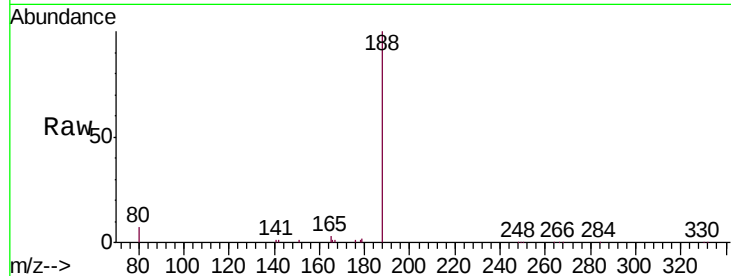
ClientSampleId :

EXT-015-SW090-080119DL

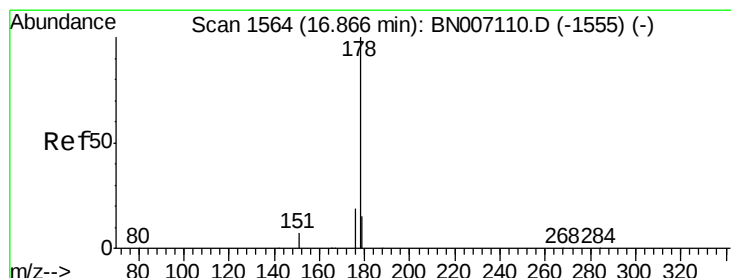
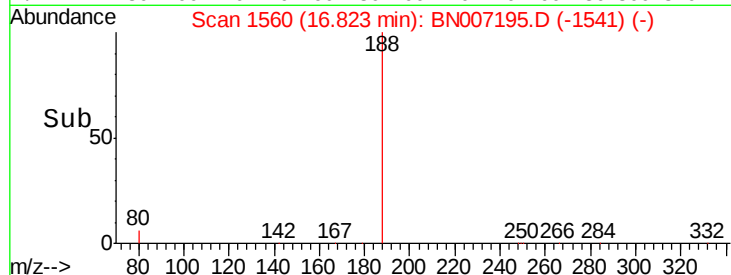
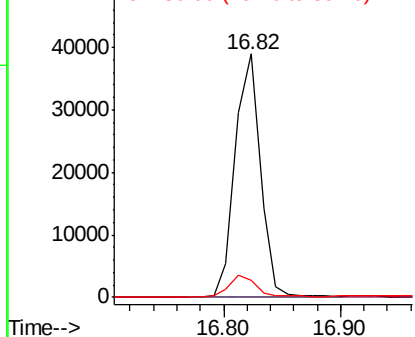
Tgt Ion:	188	Resp:	57473
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.8	7.8	11.6#

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



#22

Phenanthrene

Concen: 3.283 ng

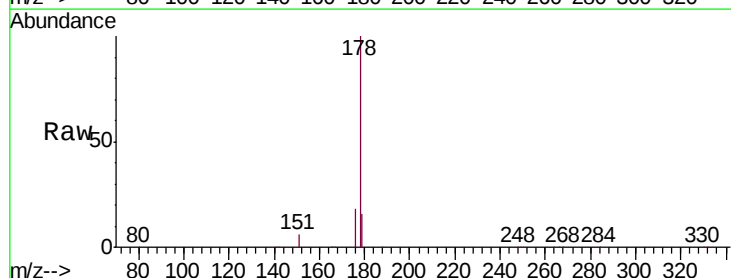
RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

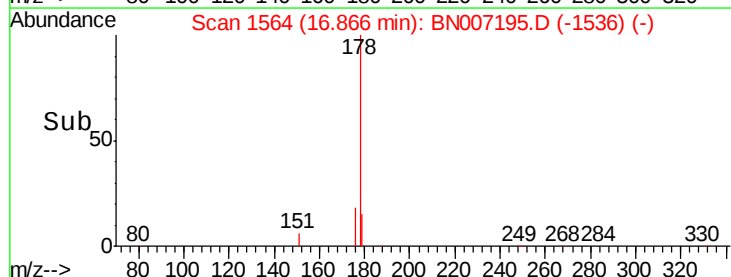
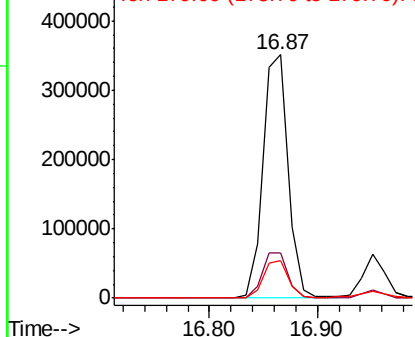
Lab File: BN007195.D

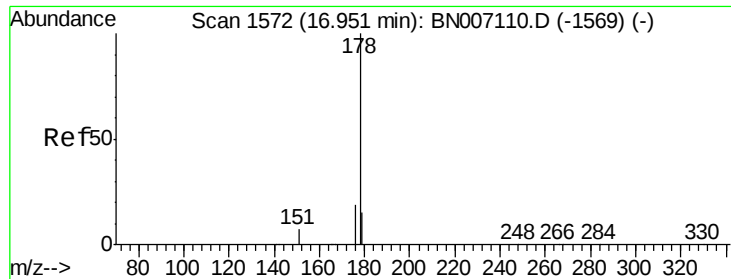
Acq: 15 Aug 2019 14:21

Tgt Ion:	178	Resp:	565409
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	15.5	12.3	18.5



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





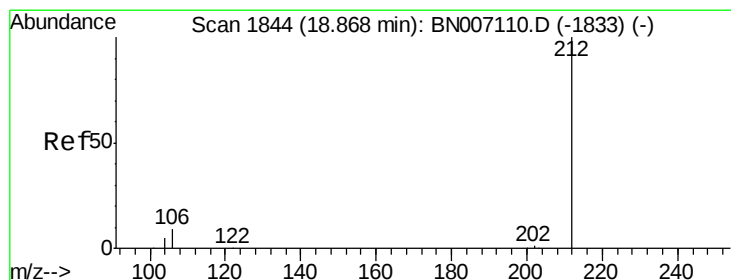
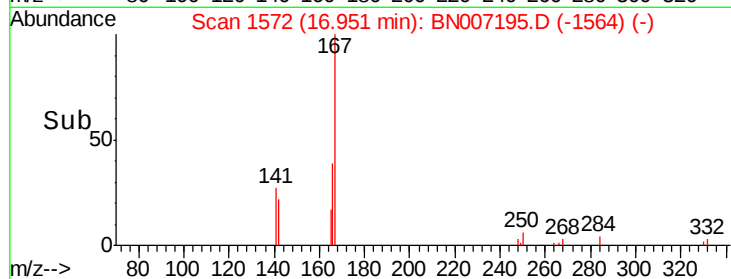
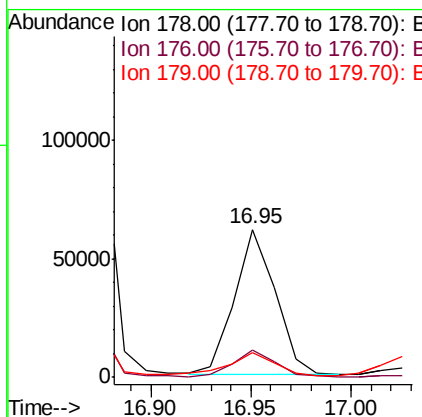
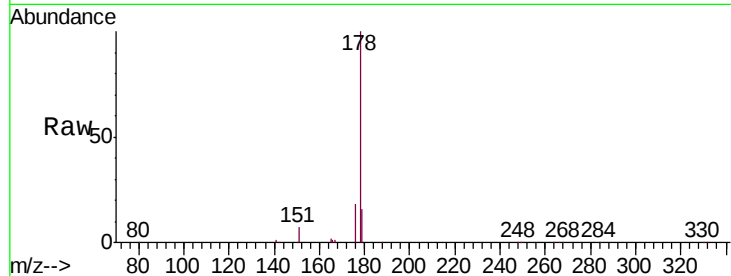
#23
 Anthracene
 Concen: 0.553 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007195.D
 Acq: 15 Aug 2019 14:21

Instrument :
 BNA_N
 ClientSampleId :
 EXT-015-SW090-080119DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	17.0	12.5	18.7

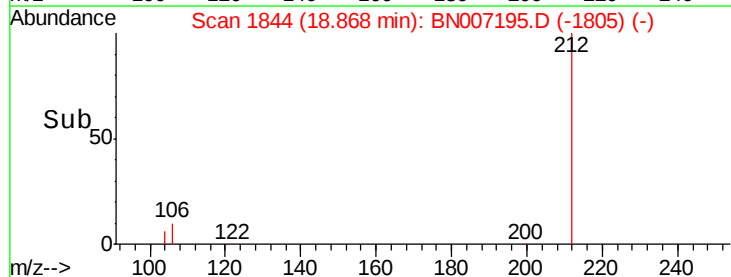
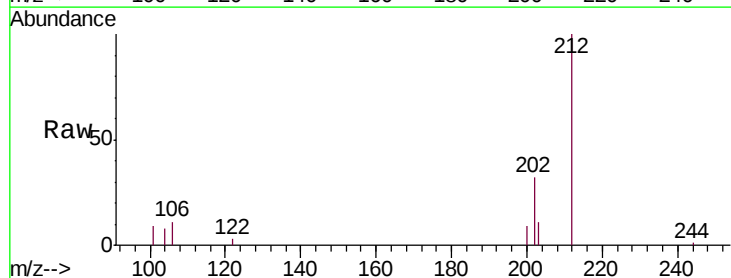
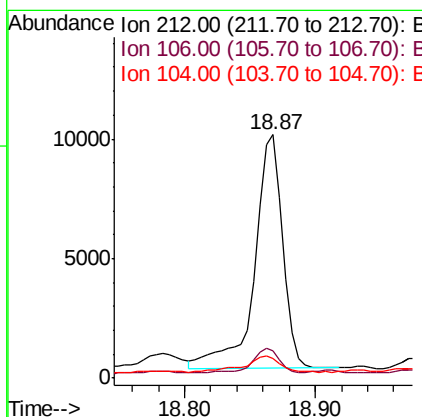
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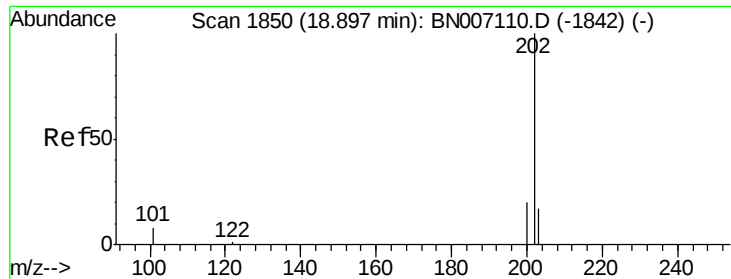
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#24
 Fluoranthene-d10
 Concen: 0.073 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007195.D
 Acq: 15 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
212	100		
106	9.9	8.2	12.2
104	8.7	4.5	6.7#





#25

Fluoranthene

Concen: 2.653 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007195.D

Acq: 15 Aug 2019 14:21

Instrument :

BNA_N

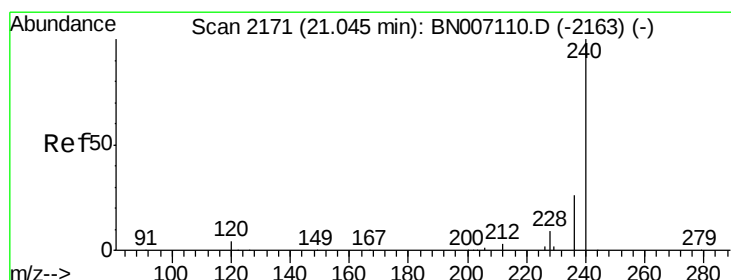
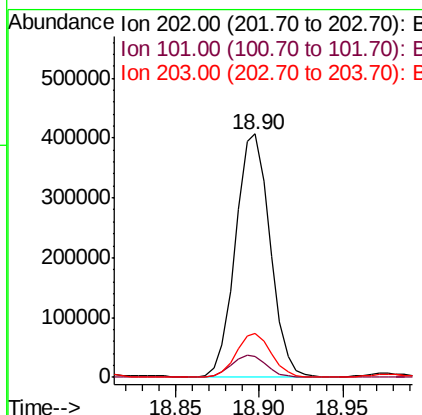
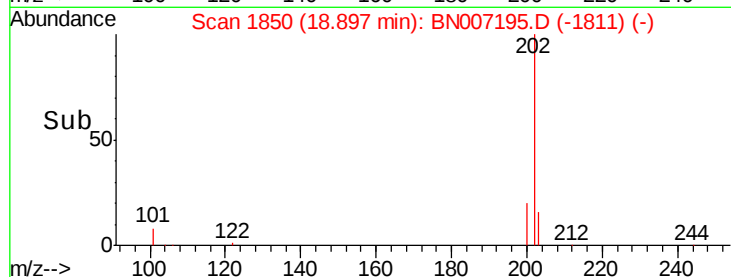
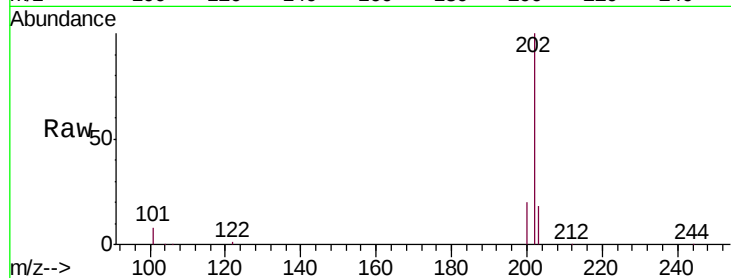
ClientSampleId :

EXT-015-SW090-080119DL

Tgt Ion:	202	Resp:	584632
Ion Ratio	Lower	Upper	
202	100		
101	9.0	7.0	10.4
203	18.0	13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

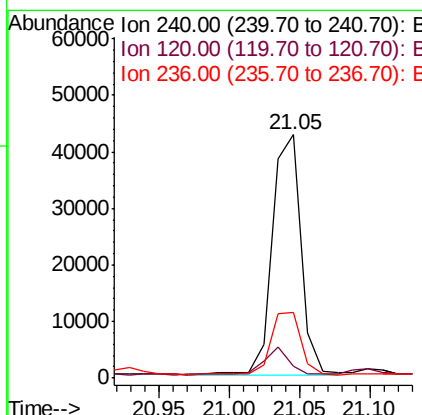
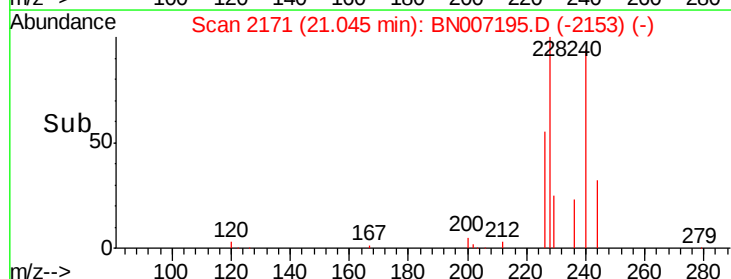
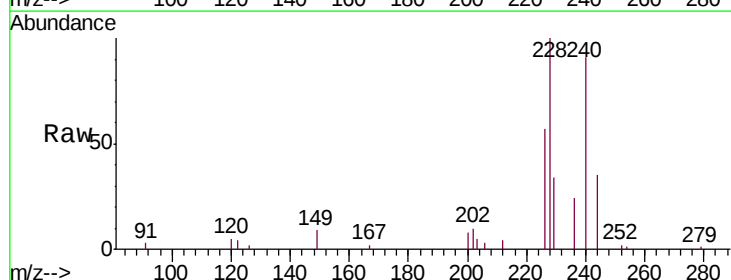
RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007195.D

Acq: 15 Aug 2019 14:21

Tgt Ion:	240	Resp:	60732
Ion Ratio	Lower	Upper	
240	100		
120	5.1	4.0	6.0
236	26.9	21.3	31.9





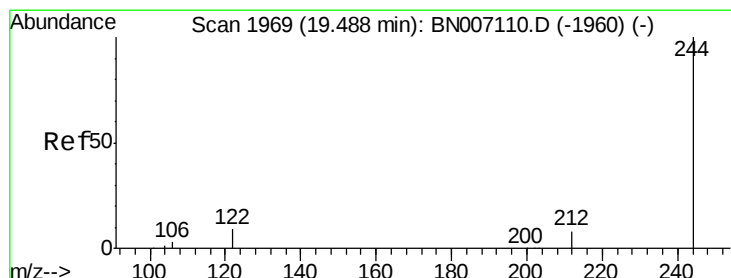
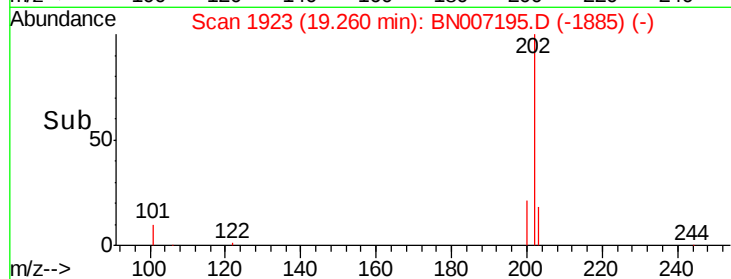
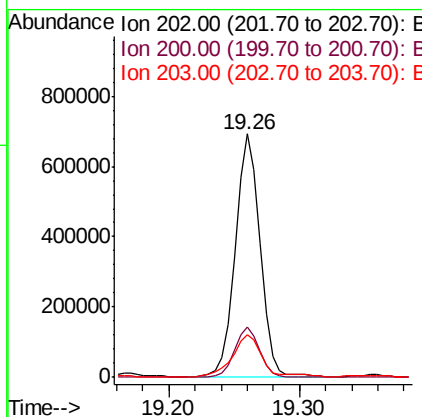
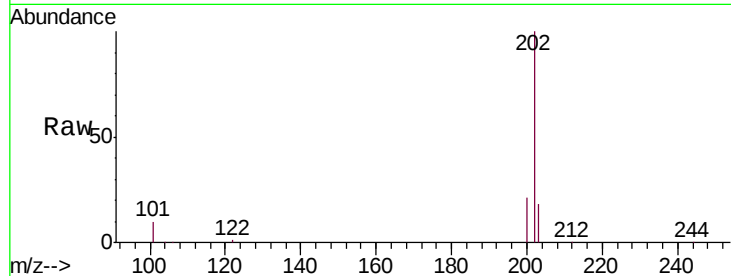
#27
 Pyrene
 Concen: 4.316 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007195.D
 Acq: 15 Aug 2019 14:21

Instrument :
 BNA_N
 ClientSampleId :
 EXT-015-SW090-080119DL

Tgt Ion:	202	Resp:	919304
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.6	24.8
203	19.8	14.0	21.0

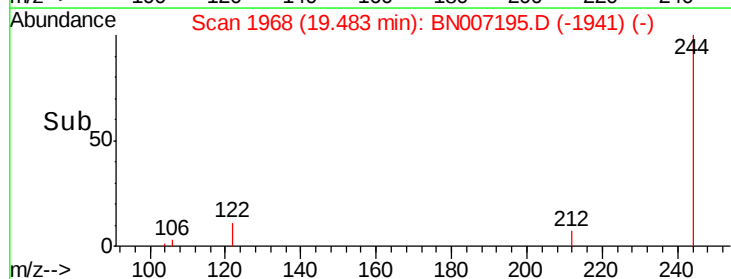
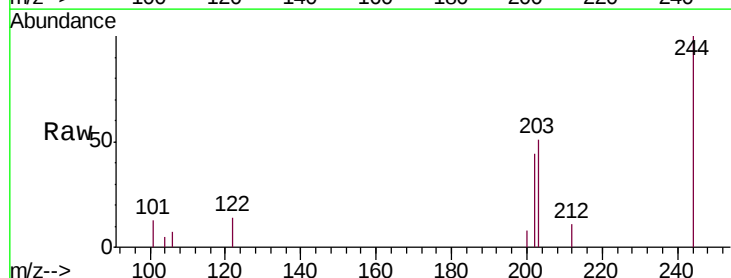
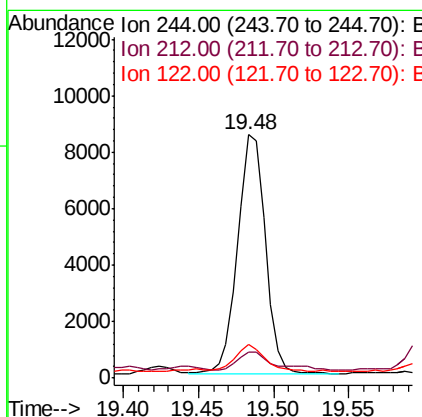
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#28
 Terphenyl-d14
 Concen: 0.066 ng
 RT: 19.48 min Scan# 1968
 Delta R.T. -0.02 min
 Lab File: BN007195.D
 Acq: 15 Aug 2019 14:21

Tgt Ion:	244	Resp:	10889
Ion Ratio	Lower	Upper	
244	100		
212	10.7	6.2	9.2#
122	13.6	7.4	11.2#





#29

Benzo(a)anthracene

Concen: 1.599 ng m

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007195.D

Acq: 15 Aug 2019 14:21

Instrument :

BNA_N

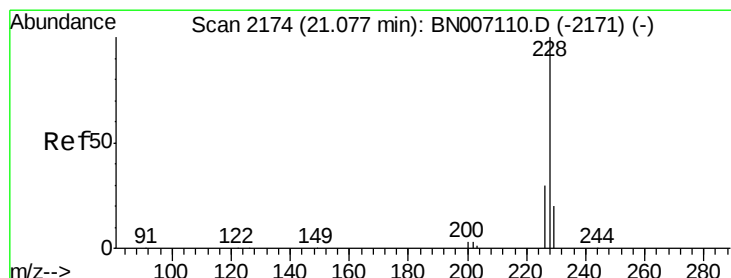
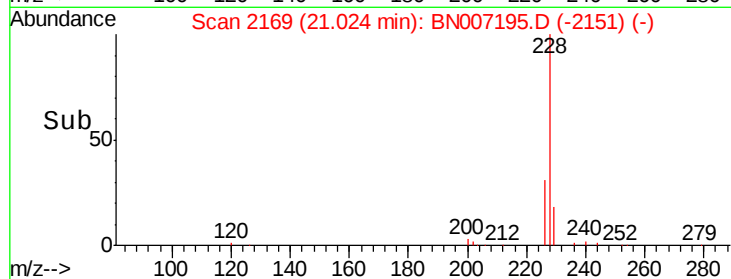
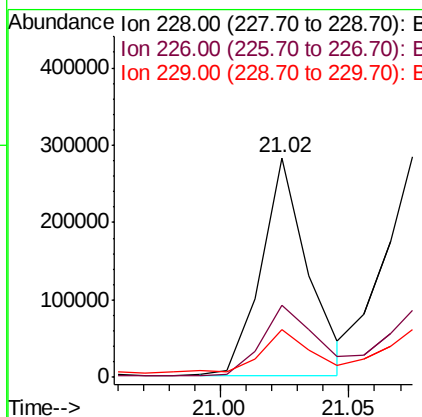
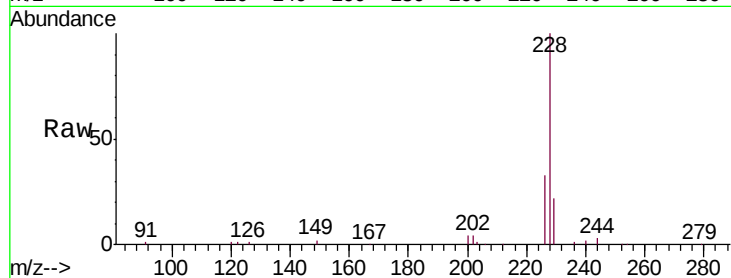
ClientSampleId :

EXT-015-SW090-080119DL

Tgt Ion:	228	Resp:	355240
Ion Ratio	Lower	Upper	
228	100		
226	32.8	21.8	32.6#
229	21.8	15.6	23.4

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#30

Chrysene

Concen: 2.033 ng

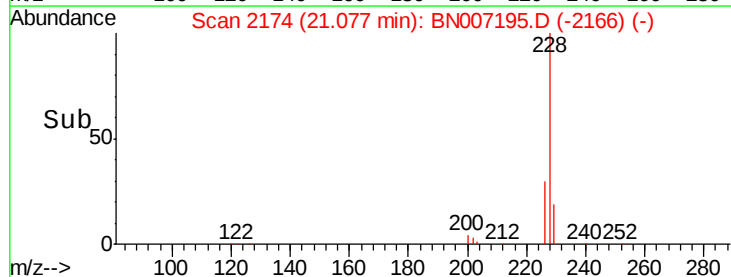
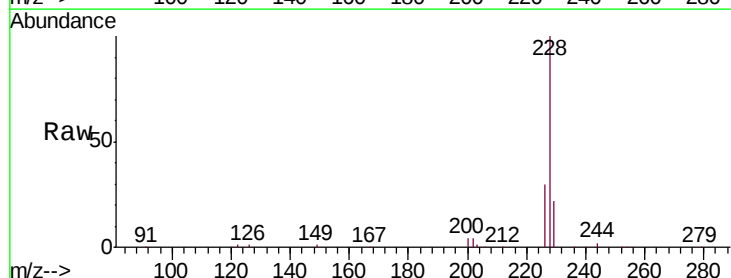
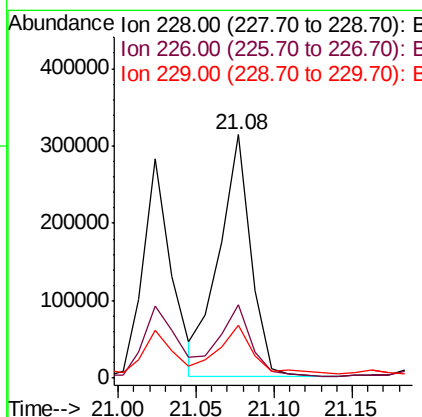
RT: 21.08 min Scan# 2174

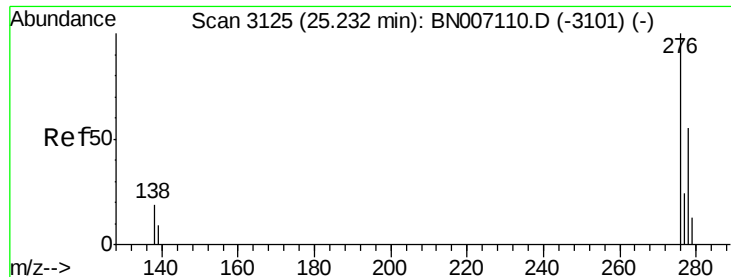
Delta R.T. -0.01 min

Lab File: BN007195.D

Acq: 15 Aug 2019 14:21

Tgt Ion:	228	Resp:	438611
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.8	35.6
229	21.6	15.7	23.5





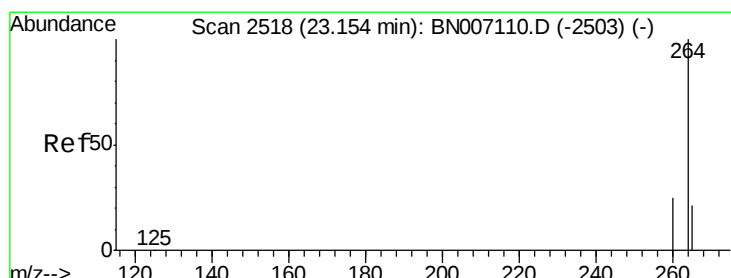
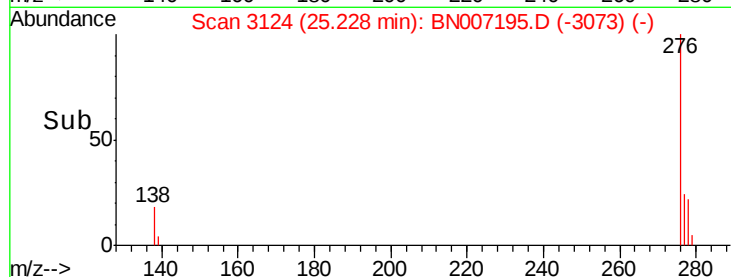
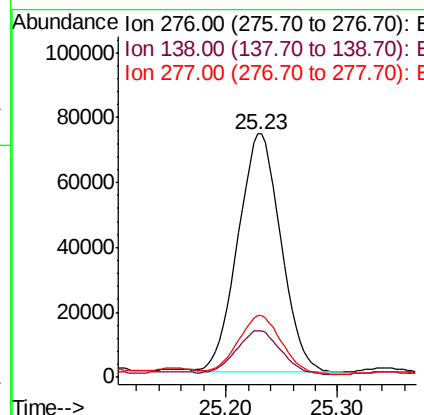
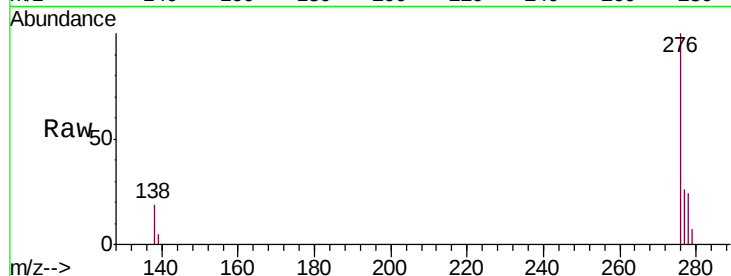
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.822 ng
 RT: 25.23 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BN007195.D
 Acq: 15 Aug 2019 14:21

Instrument :
 BNA_N
 ClientSampleId :
 EXT-015-SW090-080119DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	18.8	16.0	24.0
277	24.8	19.9	29.9

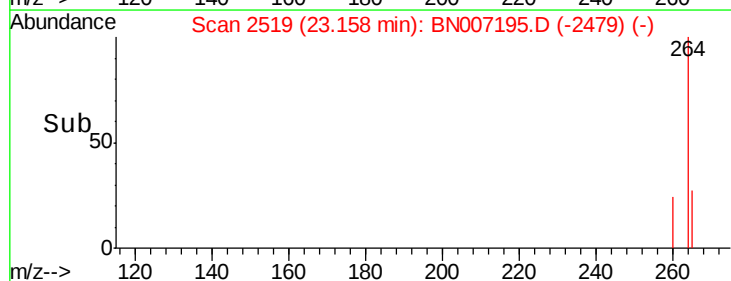
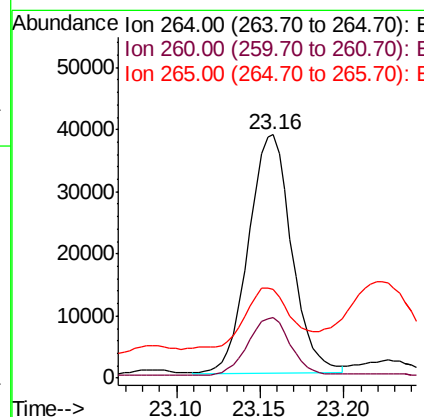
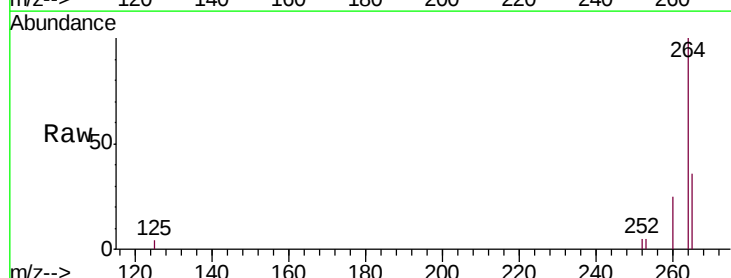
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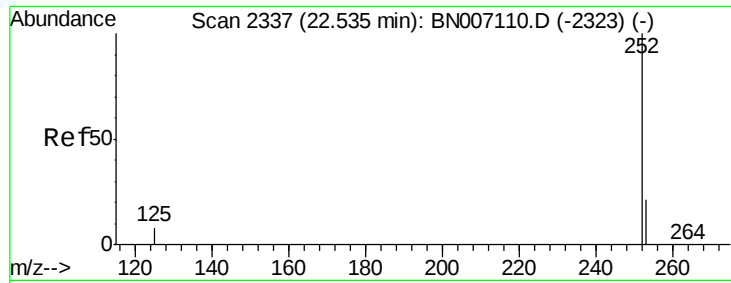
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#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007195.D
 Acq: 15 Aug 2019 14:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.9	19.8	29.8
265	36.2	26.2	39.4





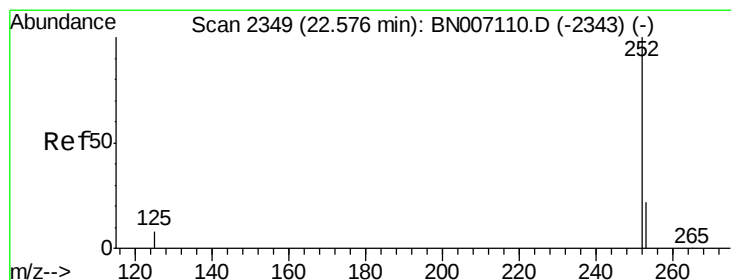
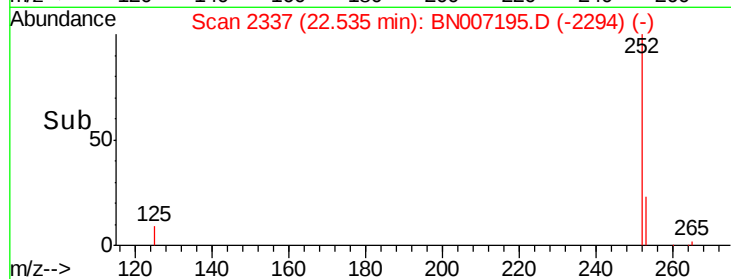
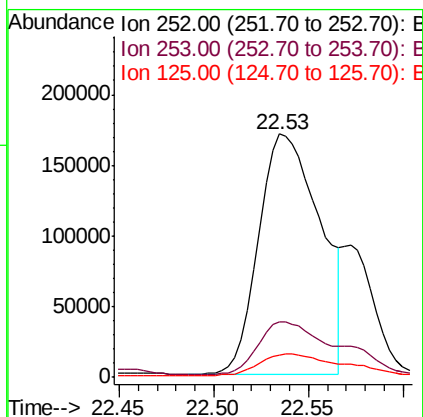
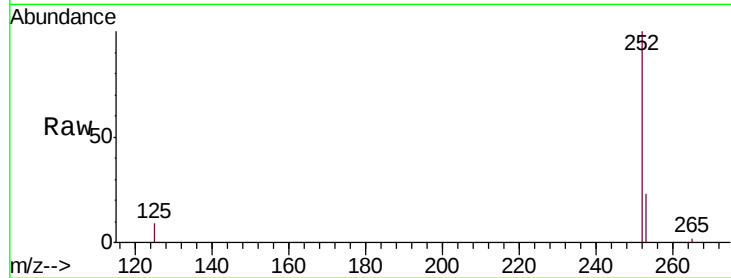
#33
Benzo(b)fluoranthene
Concen: 1.624 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	383464		
253	23.0	18.2	27.2	
125	9.3	7.4	11.0	

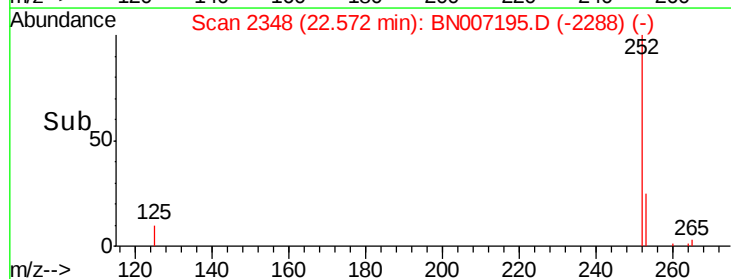
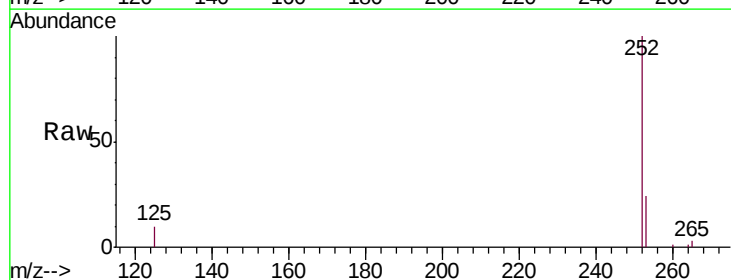
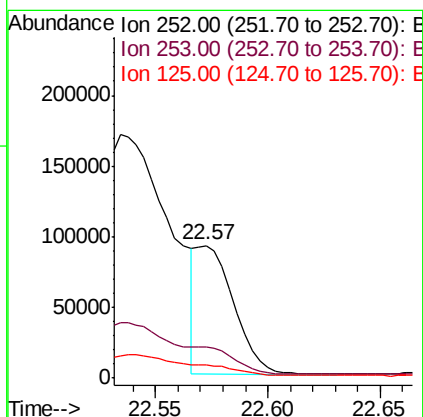
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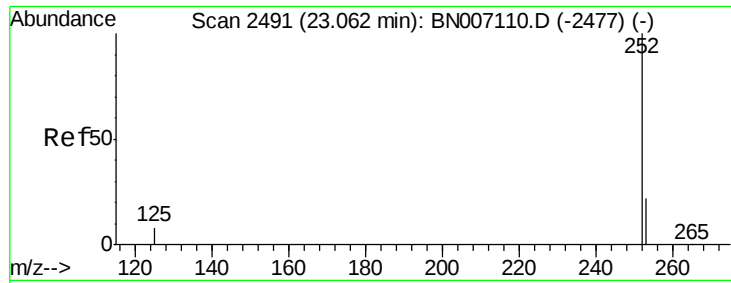
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#34
Benzo(k)fluoranthene
Concen: 0.453 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	105761		
253	23.9	18.1	27.1	
125	9.8	7.4	11.0	





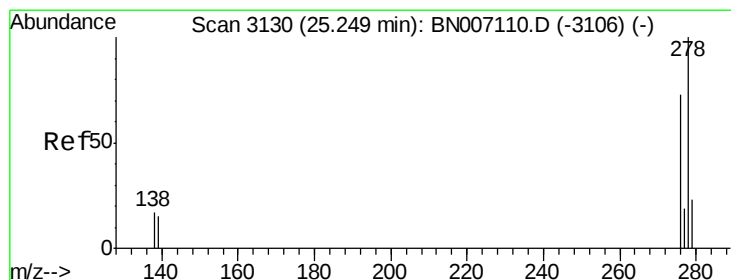
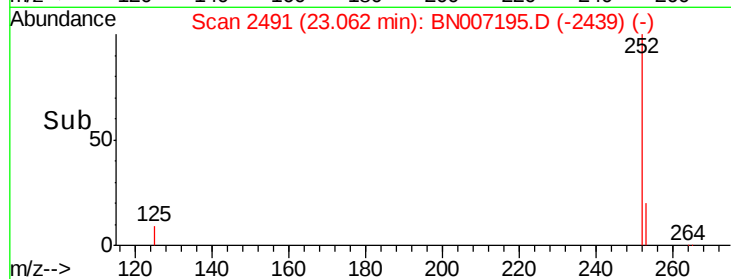
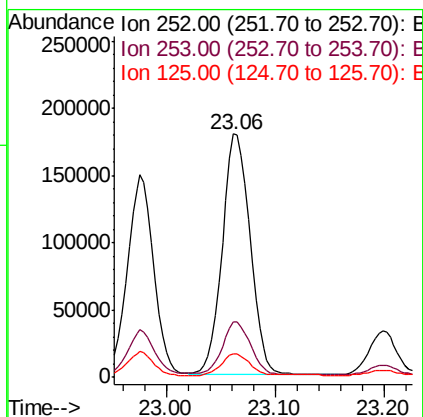
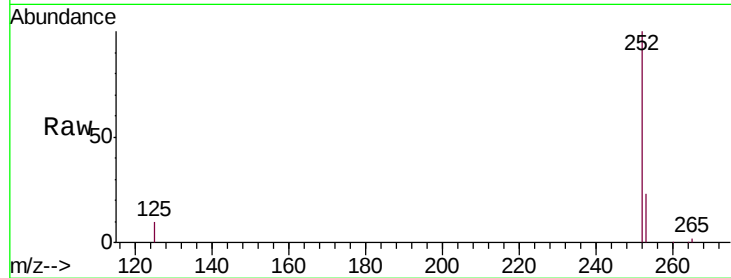
#35
Benzo(a)pyrene
Concen: 1.485 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	9.8	8.2	12.4

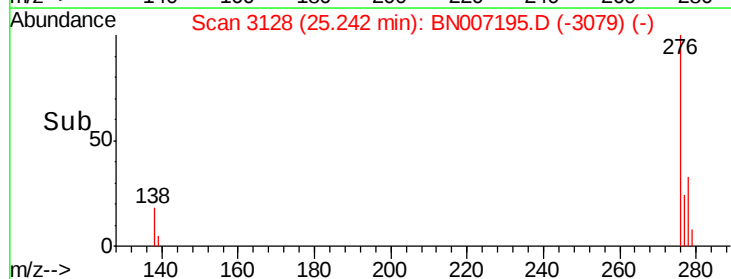
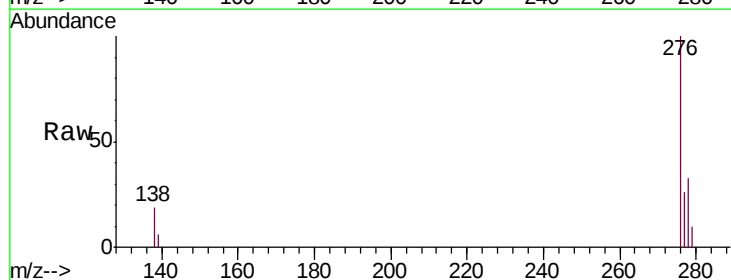
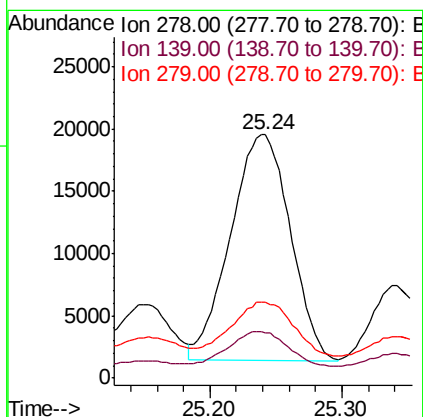
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#36
Dibenzo(a,h)anthracene
Concen: 0.267 ng
RT: 25.24 min Scan# 3128
Delta R.T. -0.03 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

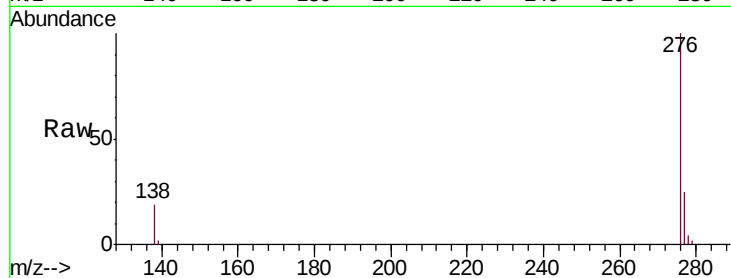
Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.6	11.3	16.9#
279	31.2	19.3	28.9#





#37
 Benzo(g,h,i)perylene
 Concen: 1.058 ng
 RT: 25.86 min Scan# 3309
 Delta R.T. -0.02 min
 Lab File: BN007195.D
 Acq: 15 Aug 2019 14:21

Instrument :
 BNA_N
 ClientSampleId :
 EXT-015-SW090-080119DL



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		232557		
277	24.7		19.8	29.8	
138	19.3		14.6	22.0	

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