

Data File : BN007197.D
Acq On : 15 Aug 2019 15:34
Operator : HP/JU
Sample : K4173-16DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1DL

Manual Integrations
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8/16/2019 6:11:28 PM

Quant Time: Aug 16 06:56:07 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	8907	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	34931	0.40	ng	0.00
12) Acenaphthene-d10	14.06	164	20341	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	47600	0.40	ng	0.00
26) Chrysene-d12	21.05	240	45390	0.40	ng	-0.01
32) Perylene-d12	23.15	264	53531	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	675	0.03	ng	0.00
4) Phenol-d6	6.61	99	918	0.03	ng	0.00
7) Nitrobenzene-d5	8.55	82	799	0.03	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	1591	0.02	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	275	0.03	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	406	0.01	ng	0.00
24) Fluoranthene-d10	18.86	212	3766	0.02	ng	-0.01
28) Terphenyl-d14	19.48	244	4026	0.03	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Naphthalene	10.22	128	19915	0.203	ng	99
11) 2-Methylnaphthalene	11.86	142	15086	0.217	ng	98
15) Acenaphthylene	13.79	152	173590	1.633	ng	99
16) Acenaphthene	14.13	154	21000	0.308	ng	99
17) Fluorene	15.12	166	48841	0.479	ng	87
22) Phenanthrene	16.87	178	1104440	7.742	ng	100
23) Anthracene	16.95	178	191960	1.473	ng	99
25) Fluoranthene	18.90	202	1519516	8.327	ng	99
27) Pyrene	19.26	202	2170514	13.636	ng	97
29) Benzo(a)anthracene	21.02	228	920478	5.545	ng	93
30) Chrysene	21.08	228	1138423	7.059	ng	98
31) Indeno(1,2,3-cd)pyrene	25.23	276	515264	2.899	ng	99
33) Benzo(b)fluoranthene	22.54	252	997104	5.432	ng	99
34) Benzo(k)fluoranthene	22.57	252	300893m	1.660	ng	
35) Benzo(a)pyrene	23.07	252	816675	4.907	ng	98
36) Dibenzo(a,h)anthracene	25.24	278	147405	0.888	ng	# 91
37) Benzo(g,h,i)perylene	25.86	276	582445	3.410	ng	99

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

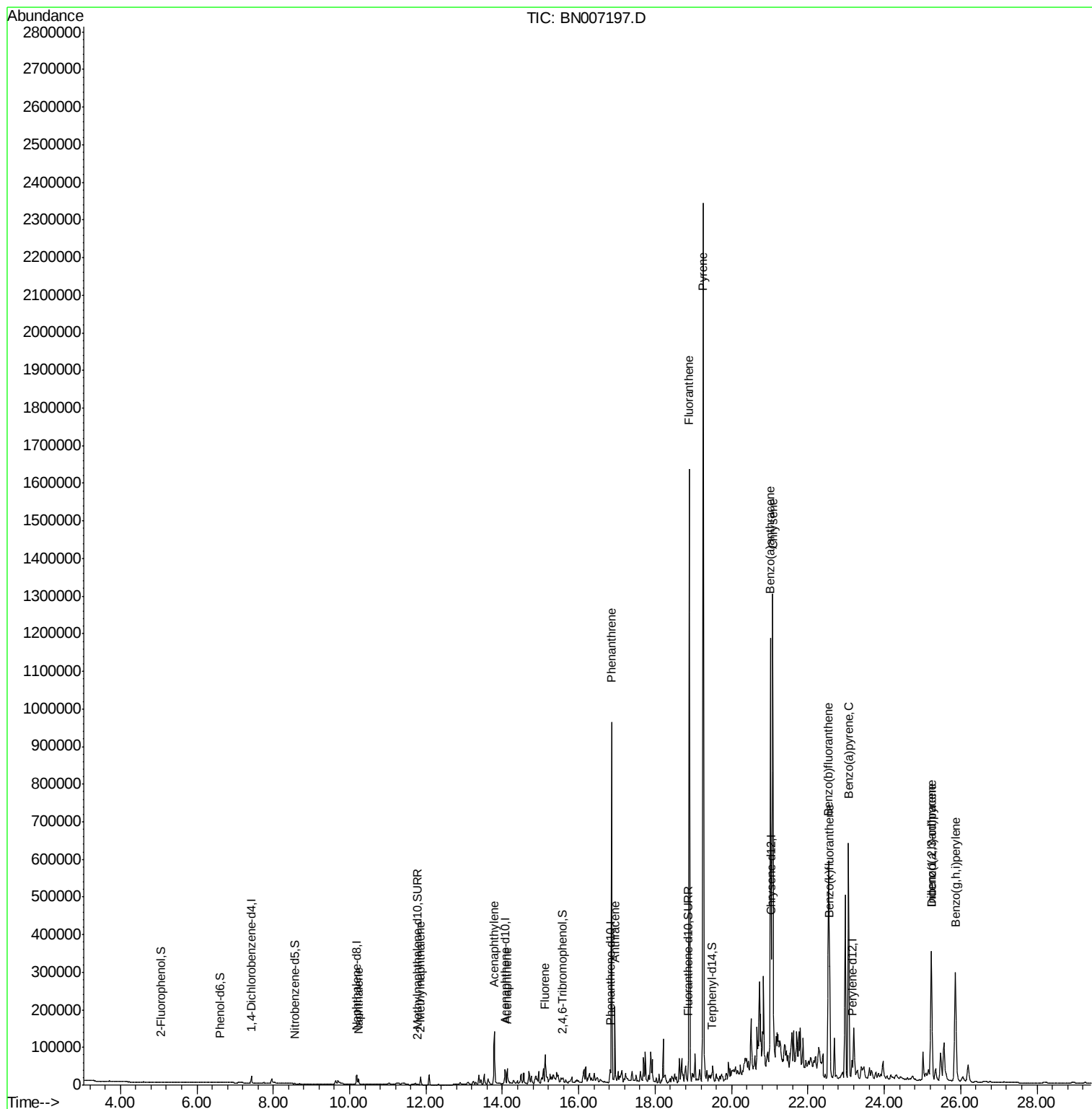
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

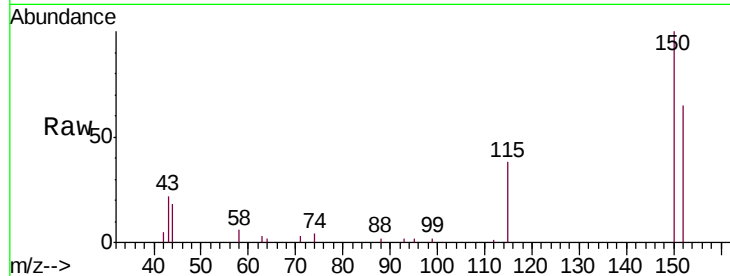
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1DL

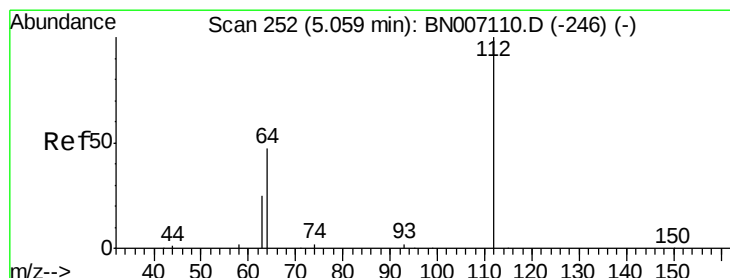
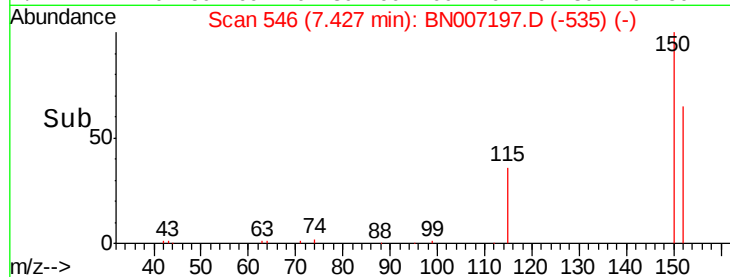
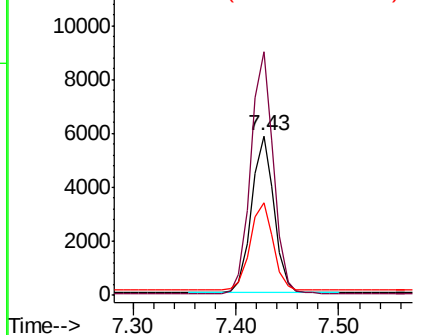
Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.7	121.7	182.5
115	58.2	46.2	69.4

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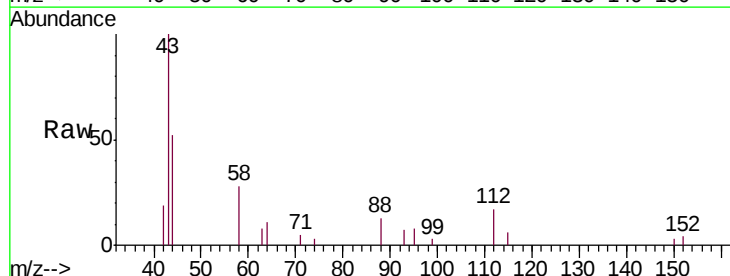
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



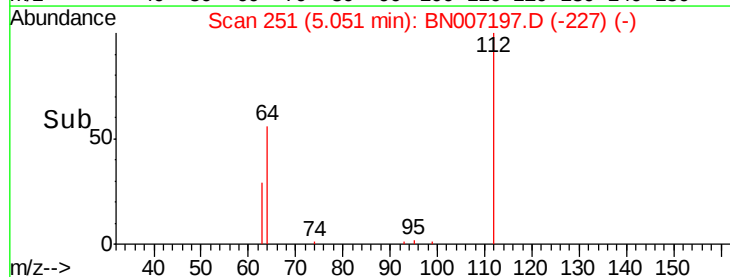
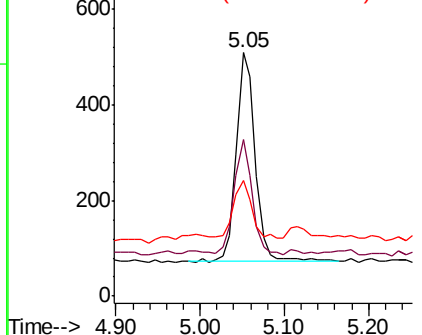
#3

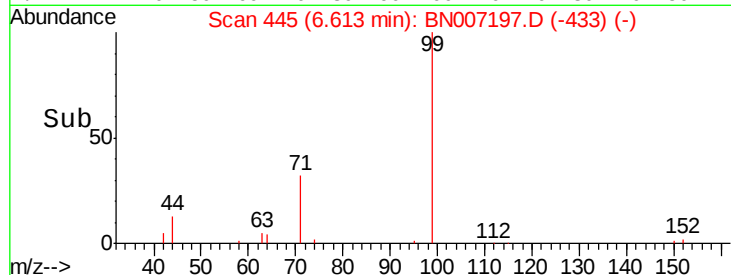
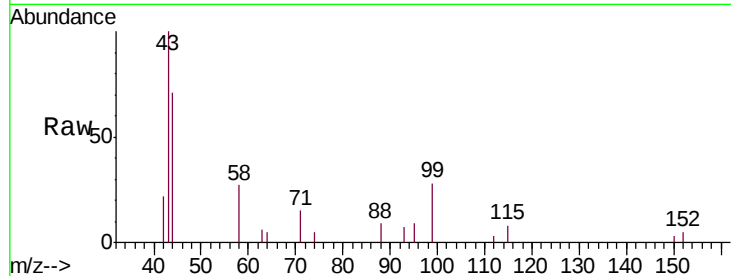
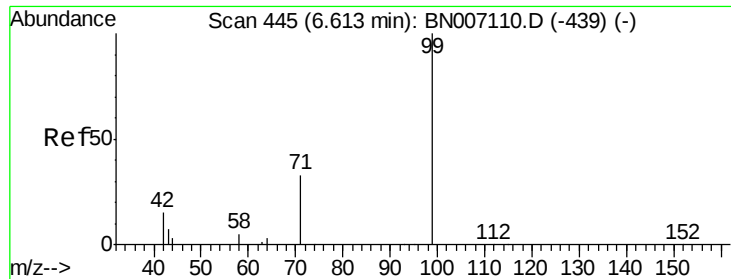
2-Fluorophenol
Concen: 0.032 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	42.6	63.8
63	27.7	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





#4

Phenol-d6

Concen: 0.035 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007197.D

Acq: 15 Aug 2019 15:34

Instrument :

BNA_N

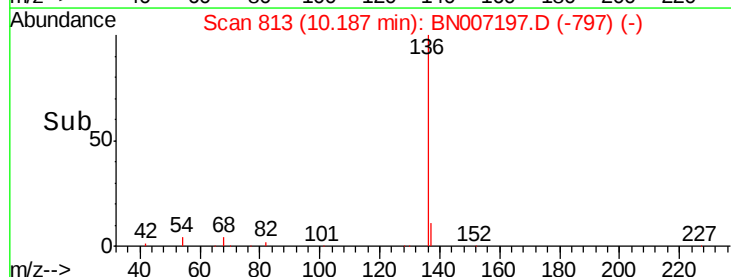
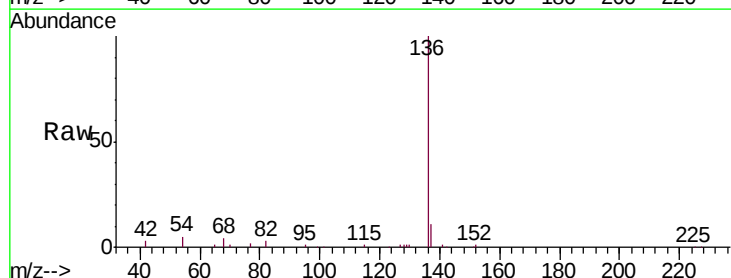
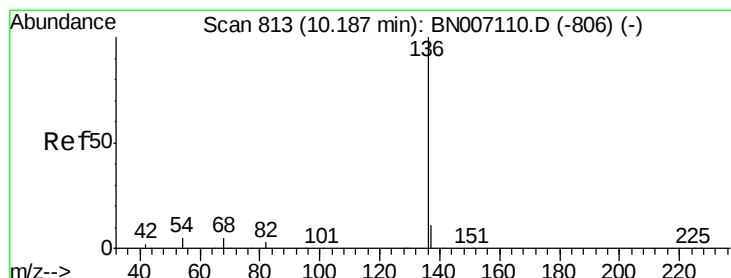
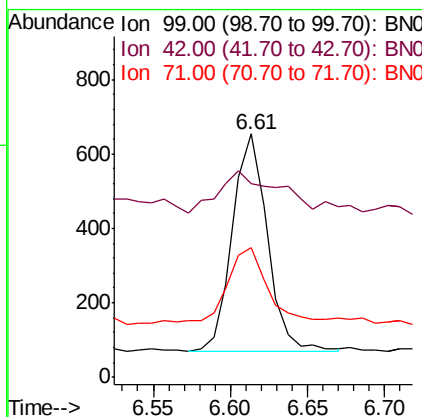
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
99	100		
42	32.7	15.8	23.6#
71	41.1	27.0	40.4#

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#6

Naphthalene-d8

Concen: 0.400 ng

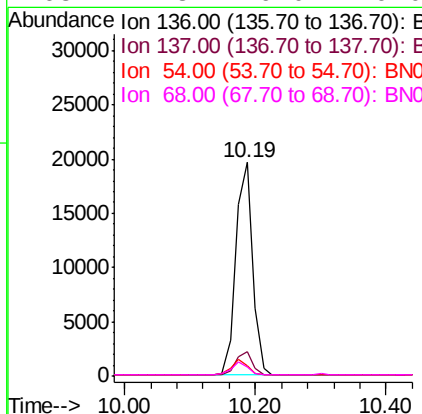
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007197.D

Acq: 15 Aug 2019 15:34

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	4.5	6.6	9.8#
68	4.3	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.028 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007197.D

Acq: 15 Aug 2019 15:34

Instrument :

BNA_N

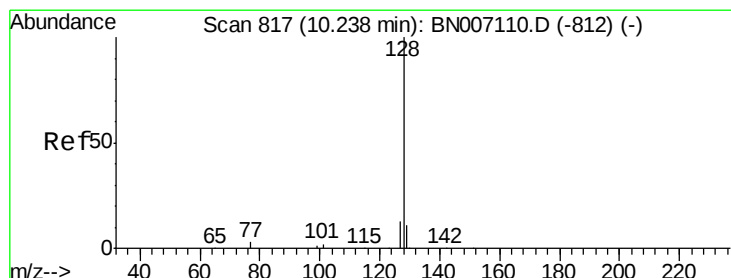
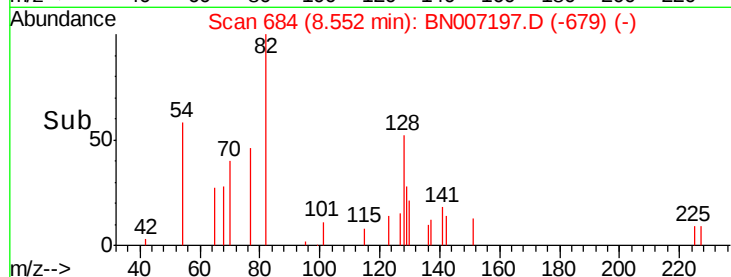
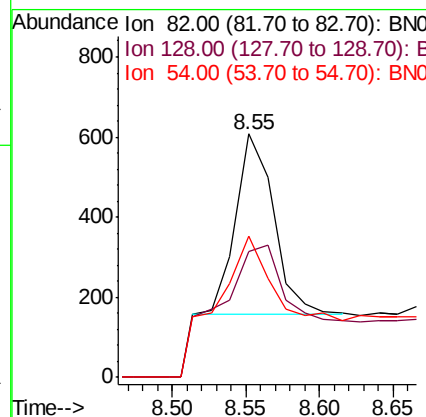
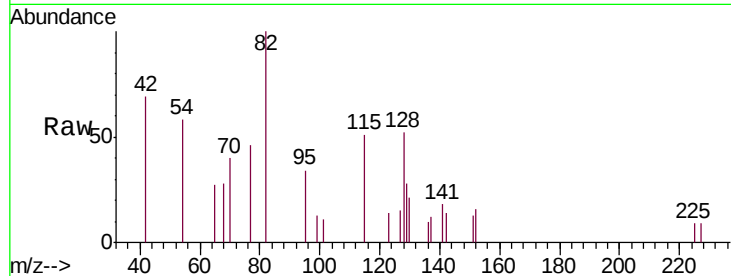
ClientSampleId :

EXT-015-SW085-080119-1DL

Tgt Ion:	82	Resp:	799
Ion Ratio	Lower	Upper	
82	100		
128	51.6	34.6	51.8
54	57.9	36.2	54.4

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#8

Naphthalene

Concen: 0.203 ng

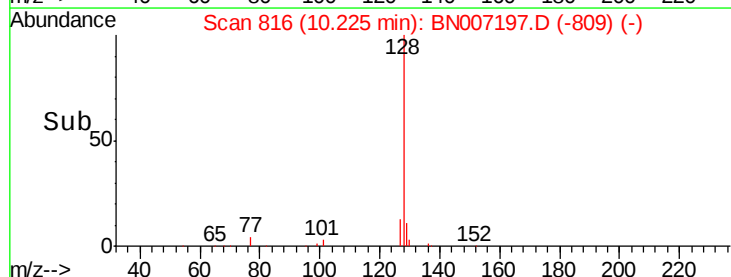
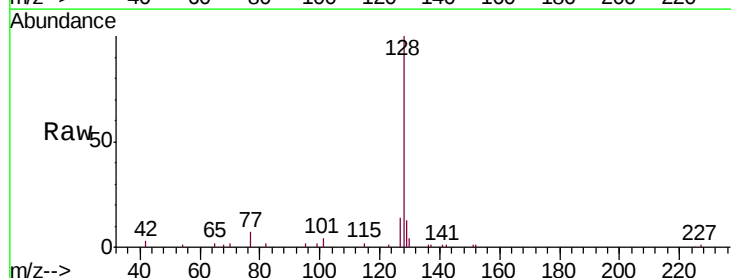
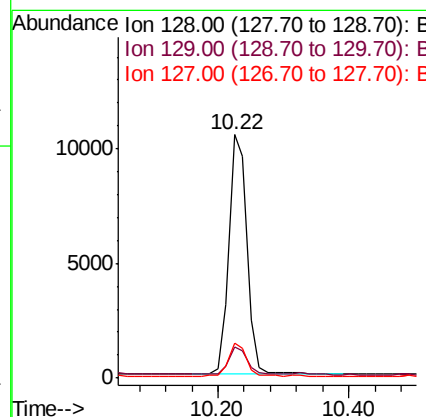
RT: 10.22 min Scan# 816

Delta R.T. -0.01 min

Lab File: BN007197.D

Acq: 15 Aug 2019 15:34

Tgt Ion:	128	Resp:	19915
Ion Ratio	Lower	Upper	
128	100		
129	12.5	9.4	14.2
127	14.1	11.0	16.6





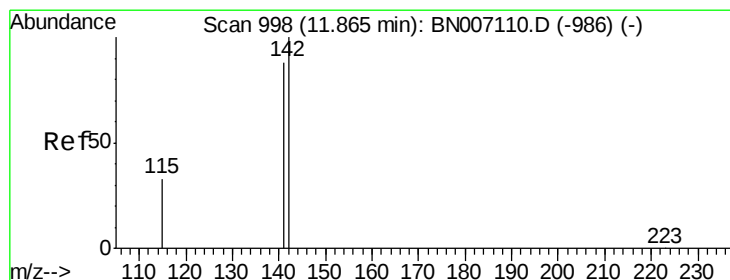
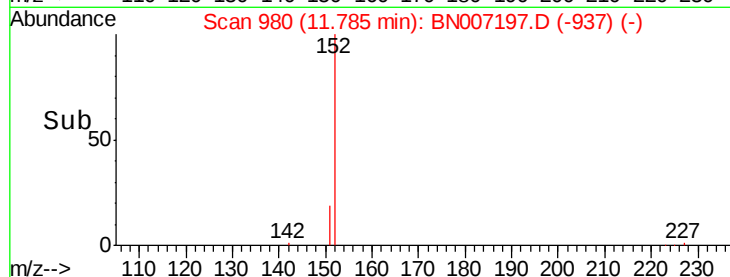
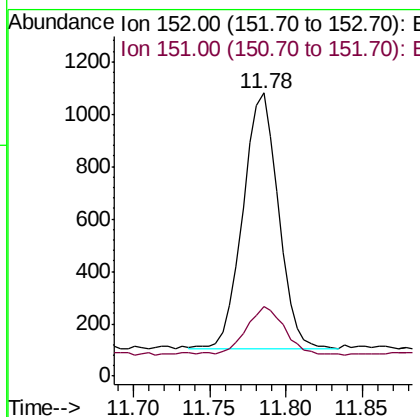
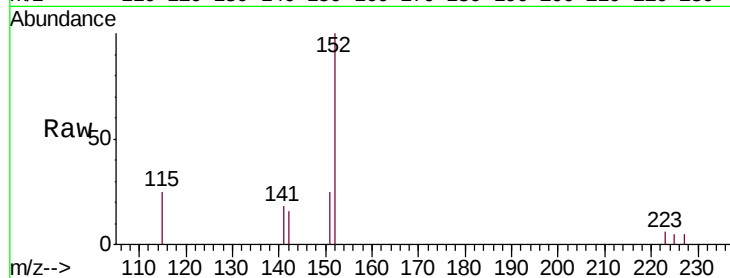
#10
2-Methylnaphthalene-d10
Concen: 0.024 ng
RT: 11.78 min Scan# 980
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.5	23.3

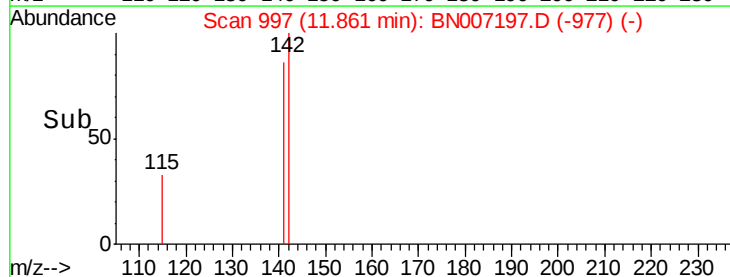
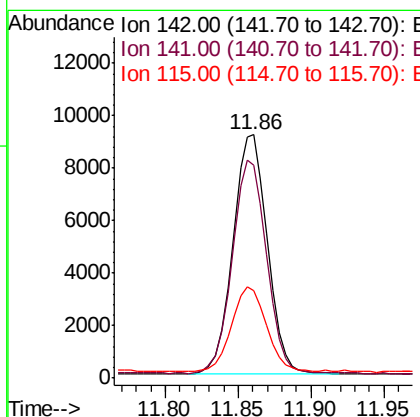
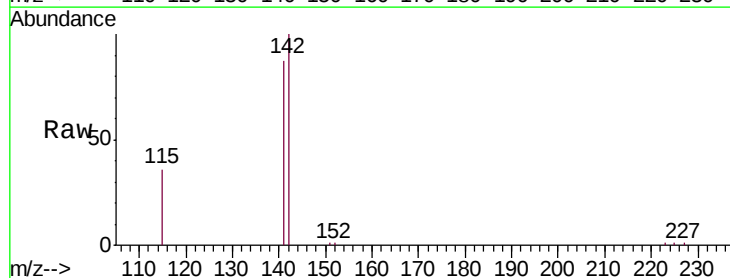
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#11
2-Methylnaphthalene
Concen: 0.217 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	69.0	103.6
115	35.9	27.1	40.7





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.06 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007197.D

Acq: 15 Aug 2019 15:34

Instrument :

BNA_N

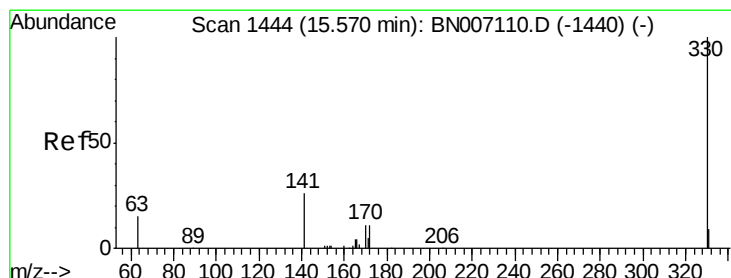
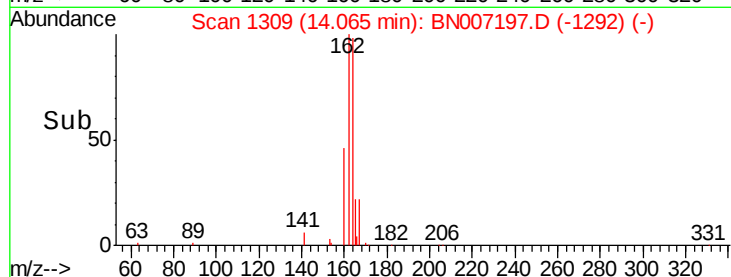
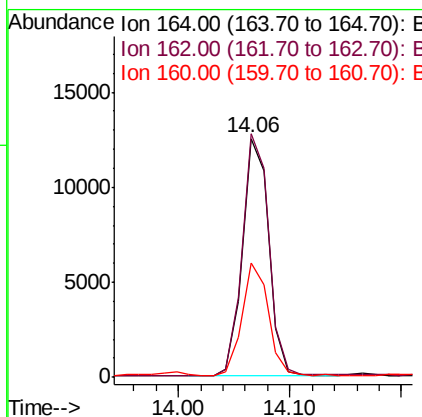
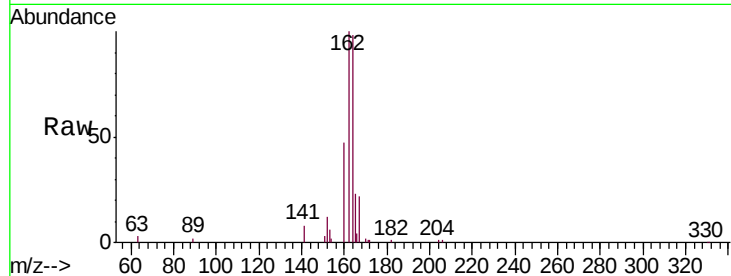
ClientSampleId :

EXT-015-SW085-080119-1DL

Tgt Ion:	164	Resp:	20341
Ion Ratio	Lower	Upper	
164	100		
162	101.8	82.2	123.4
160	47.7	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.025 ng

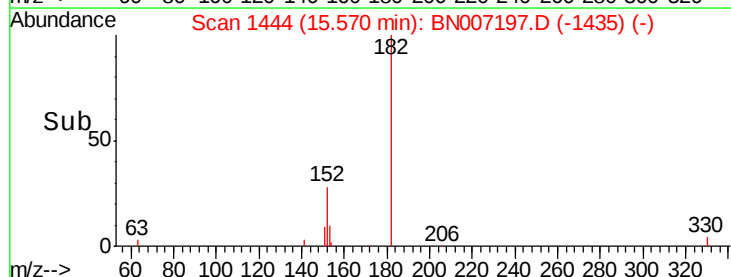
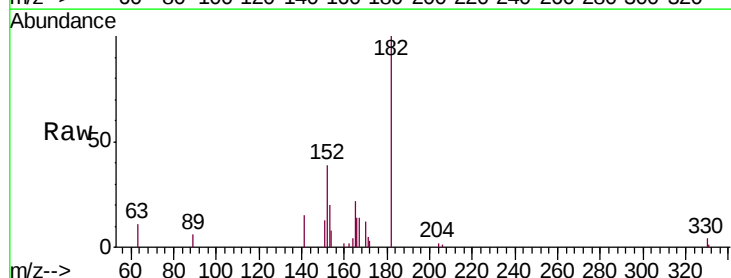
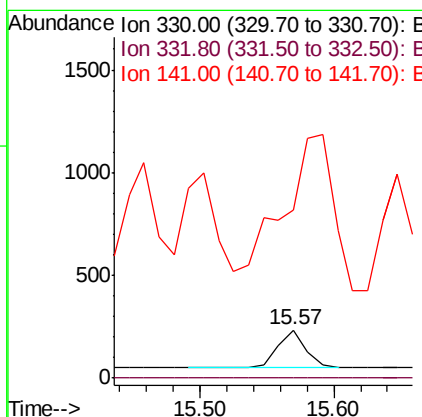
RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007197.D

Acq: 15 Aug 2019 15:34

Tgt Ion:	330	Resp:	275
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	0.0	33.6	50.4#





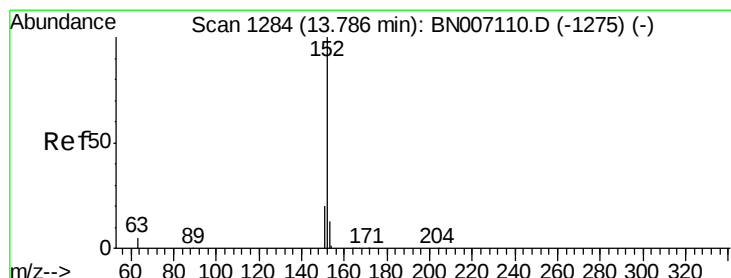
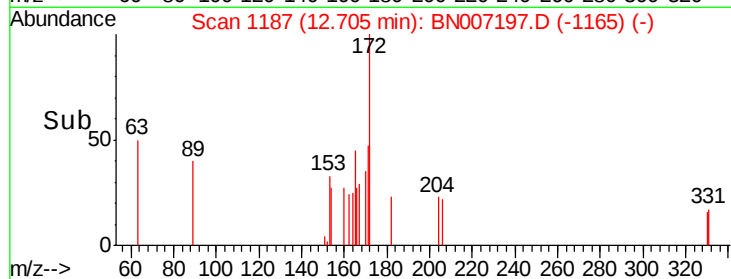
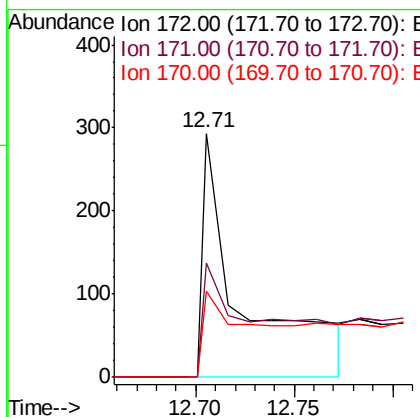
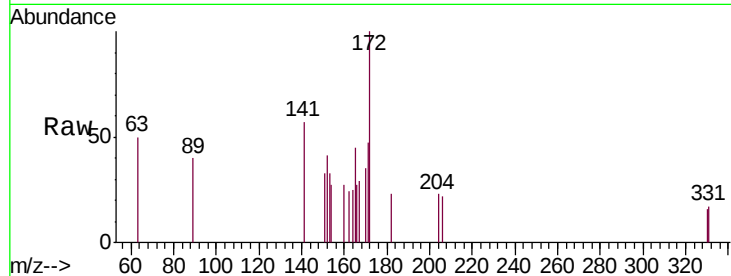
#14
2-Fluorobiphenyl
Concen: 0.014 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

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Tgt Ion	Ratio	Lower	Upper
172	100		
171	47.1	26.3	39.5#
170	35.2	17.0	25.4#

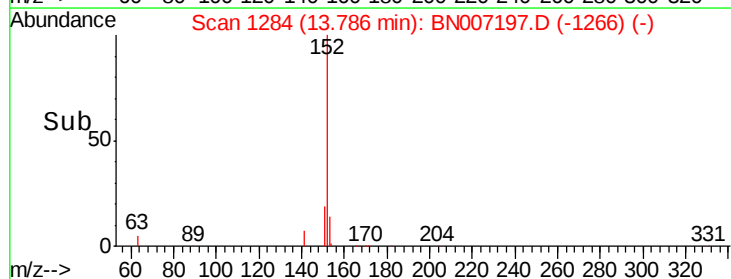
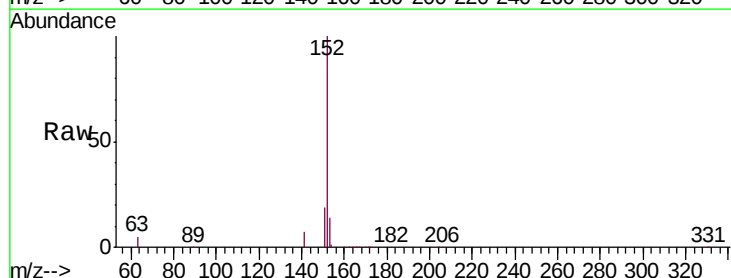
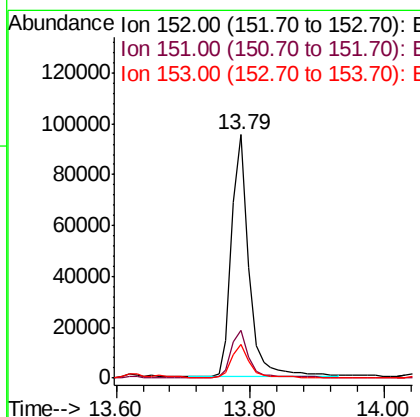
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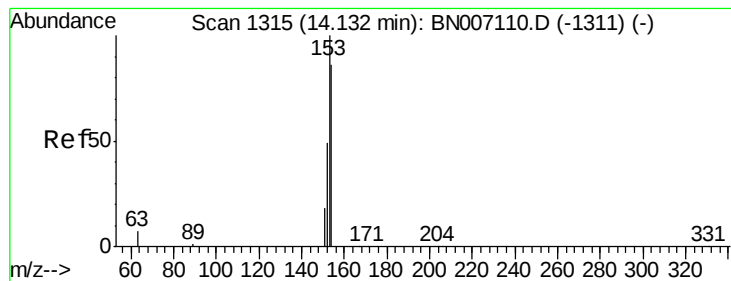
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#15
Acenaphthylene
Concen: 1.633 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

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





#16

Acenaphthene

Concen: 0.308 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007197.D

Acq: 15 Aug 2019 15:34

Instrument :

BNA_N

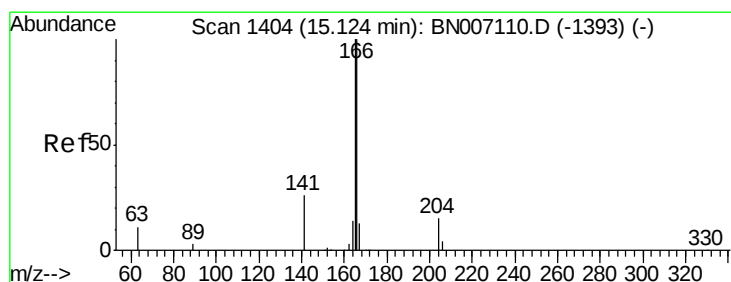
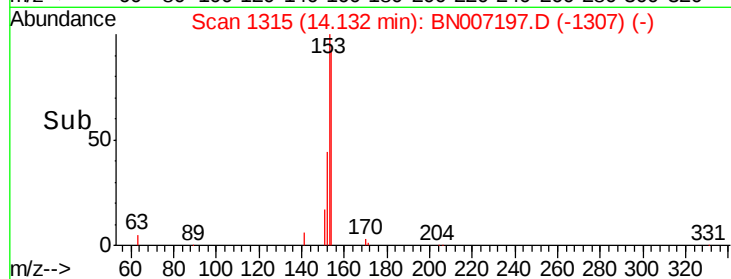
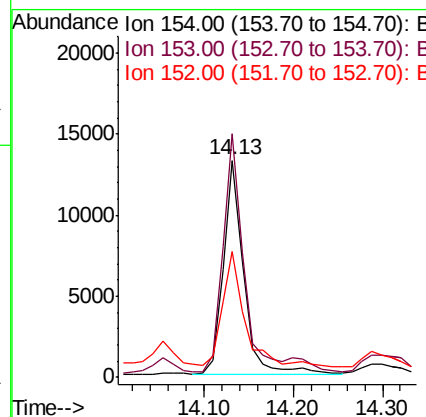
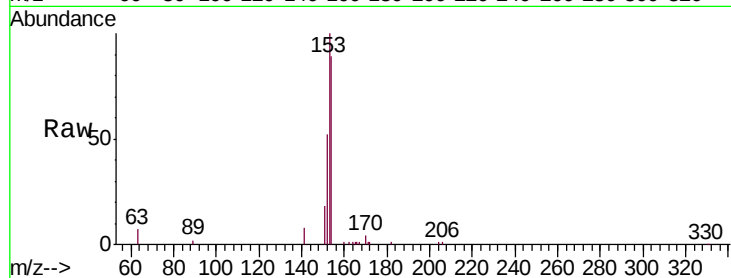
ClientSampleId :

EXT-015-SW085-080119-1DL

Tgt Ion:	154	Resp:	21000
Ion Ratio	Lower	Upper	
154	100		
153	111.1	89.5	134.3
152	54.2	44.8	67.2

Manual Integrations
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#17

Fluorene

Concen: 0.479 ng

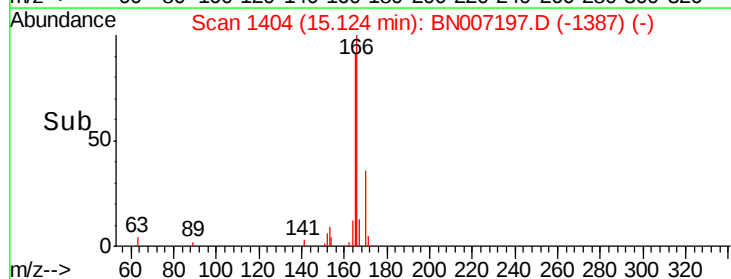
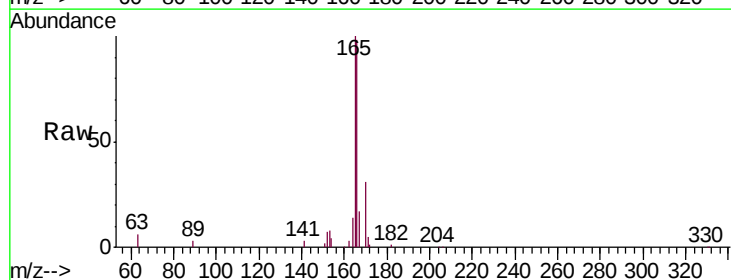
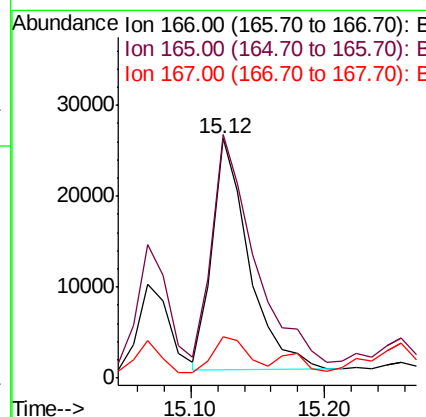
RT: 15.12 min Scan# 1404

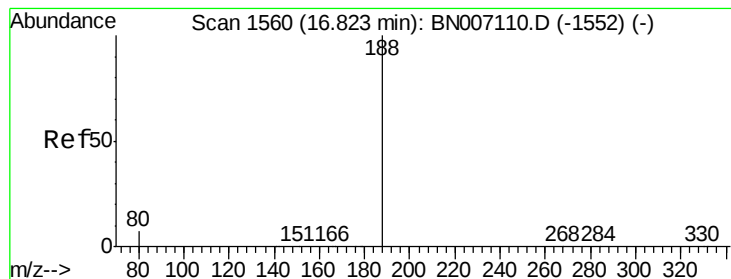
Delta R.T. -0.01 min

Lab File: BN007197.D

Acq: 15 Aug 2019 15:34

Tgt Ion:	166	Resp:	48841
Ion Ratio	Lower	Upper	
166	100		
165	111.9	77.9	116.9
167	15.0	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: BN007197.D

Acq: 15 Aug 2019 15:34

Instrument :

BNA_N

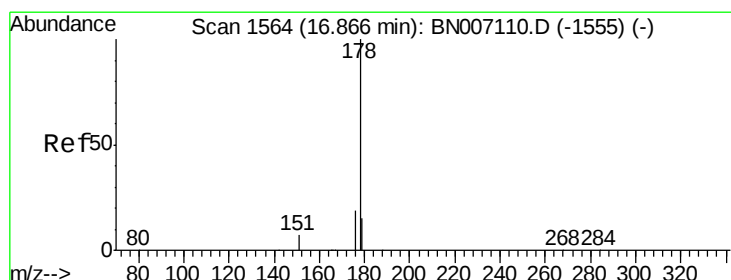
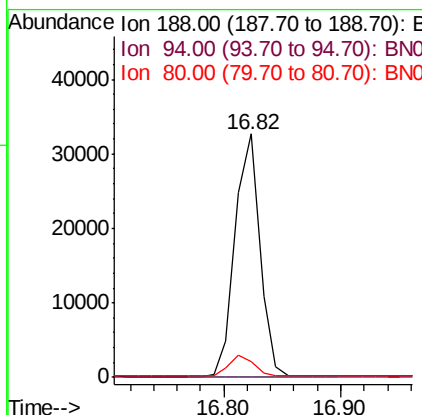
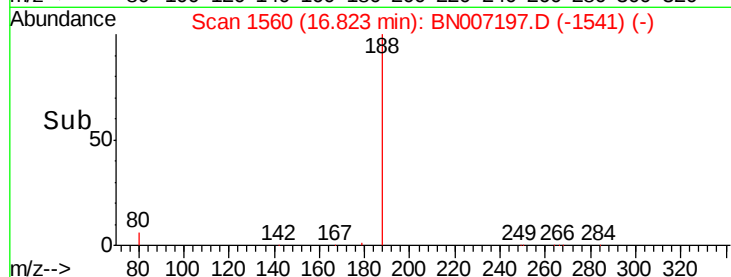
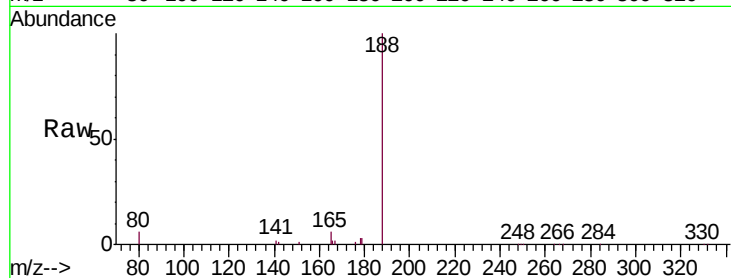
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.3	7.8	11.6#

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#22

Phenanthrene

Concen: 7.742 ng

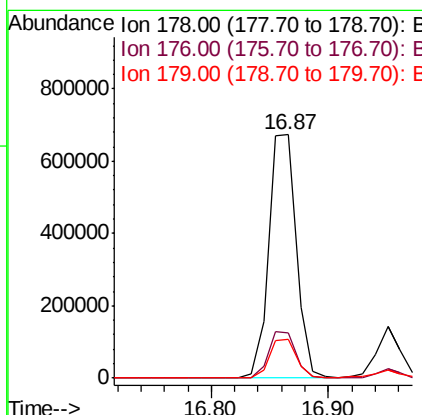
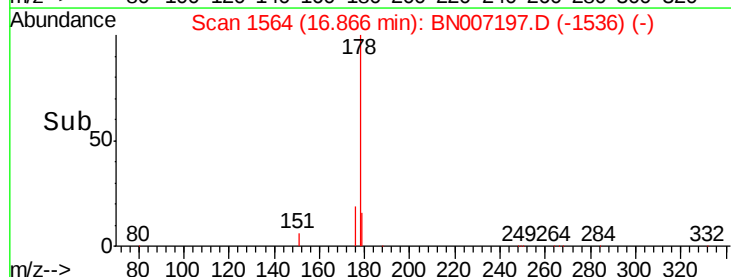
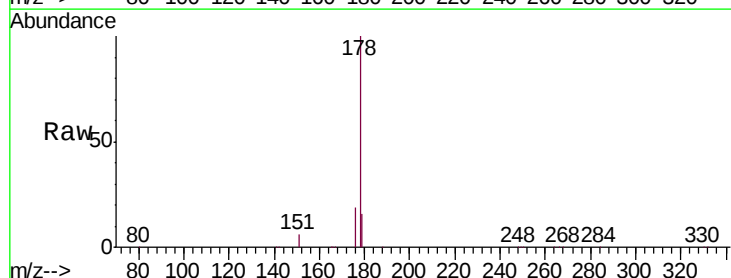
RT: 16.87 min Scan# 1564

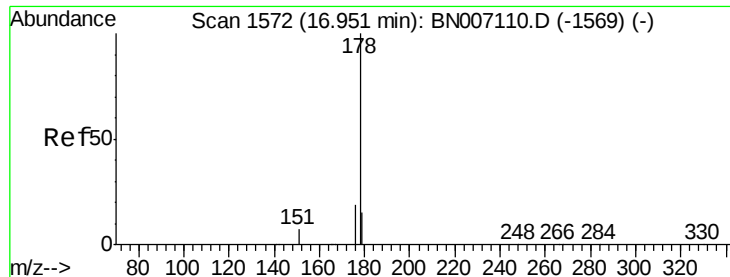
Delta R.T. -0.00 min

Lab File: BN007197.D

Acq: 15 Aug 2019 15:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.7	12.3	18.5





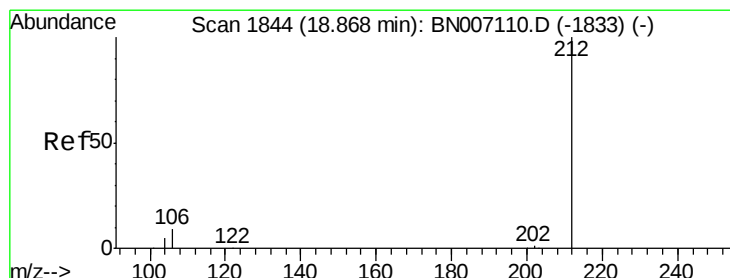
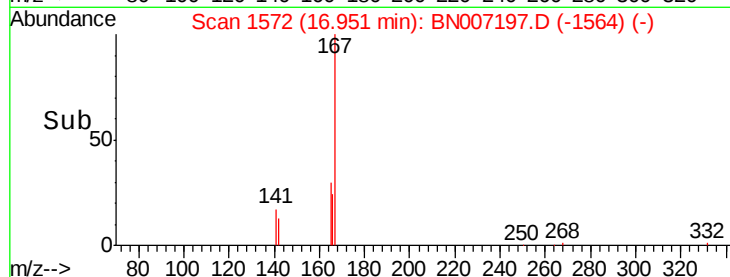
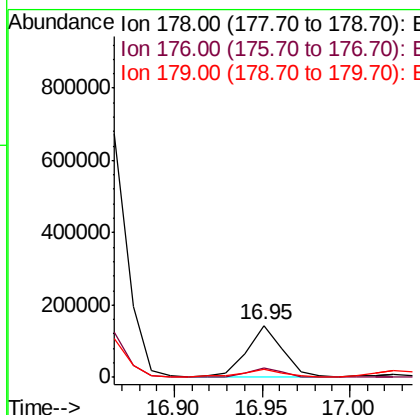
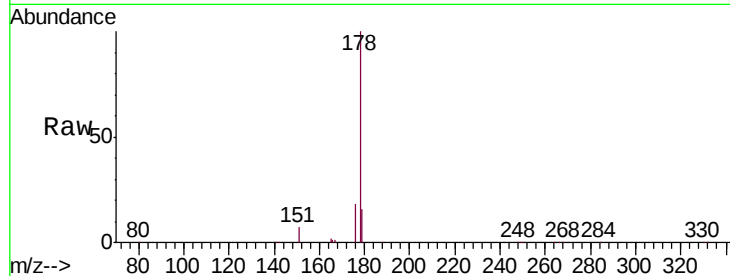
#23
 Anthracene
 Concen: 1.473 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007197.D
 Acq: 15 Aug 2019 15:34

Instrument :
 BNA_N
 ClientSampleId :
 EXT-015-SW085-080119-1DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	16.7	12.5	18.7

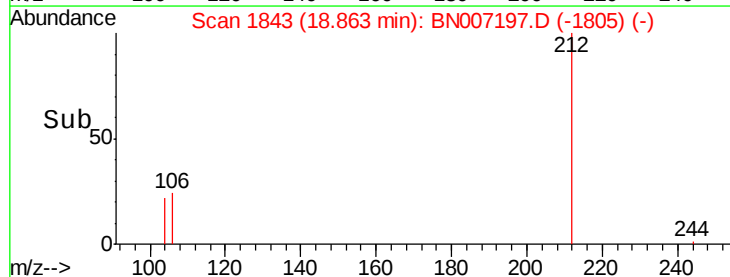
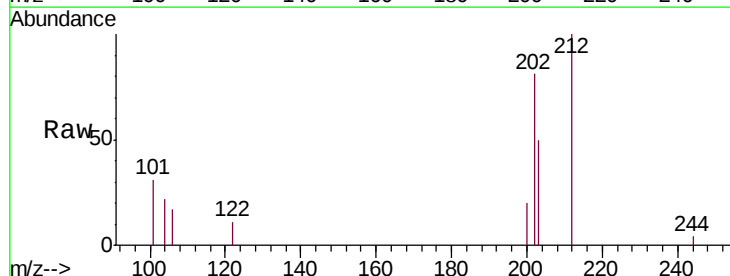
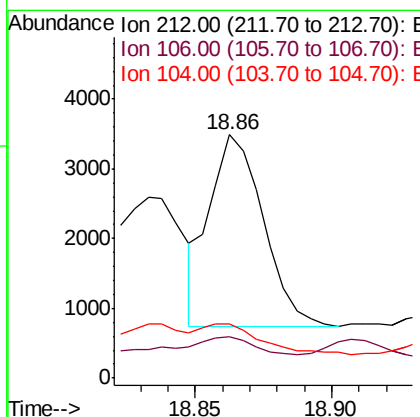
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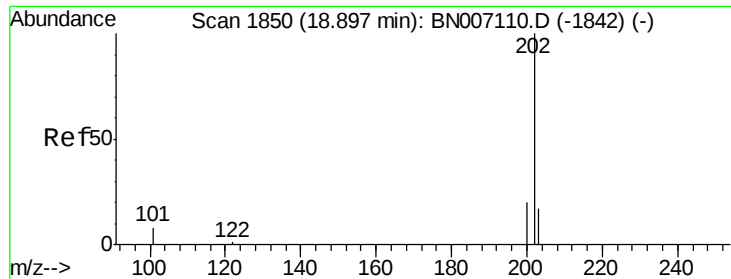
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#24
 Fluoranthene-d10
 Concen: 0.022 ng
 RT: 18.86 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BN007197.D
 Acq: 15 Aug 2019 15:34

Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.2	8.2	12.2#
104	17.4	4.5	6.7#





#25

Fluoranthene

Concen: 8.327 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007197.D

Acq: 15 Aug 2019 15:34

Instrument :

BNA_N

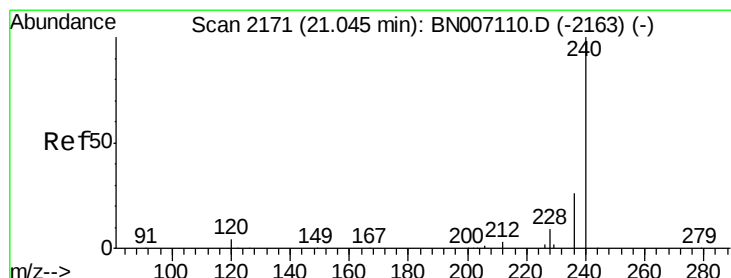
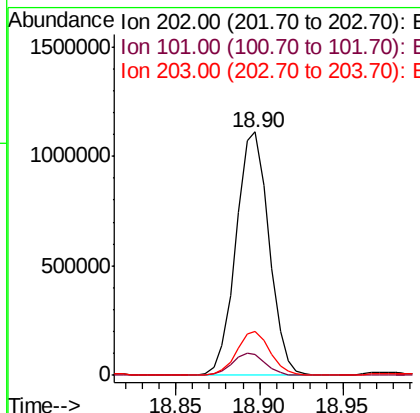
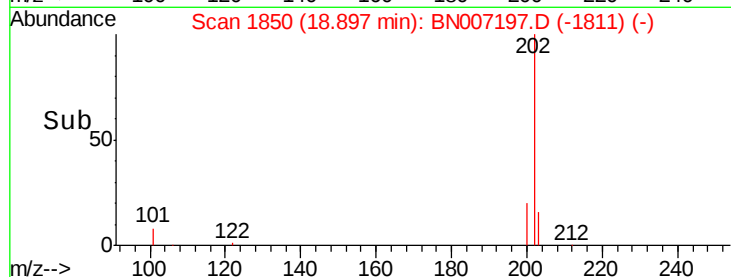
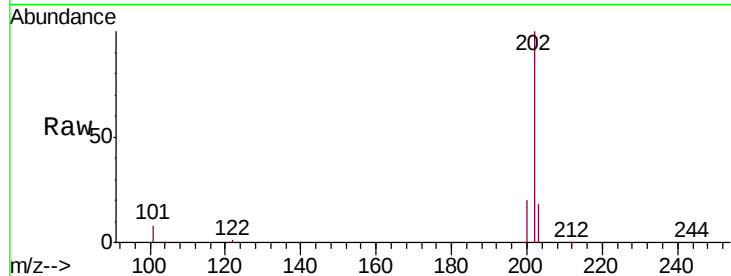
ClientSampleId :

EXT-015-SW085-080119-1DL

Tgt Ion:	202	Resp:	1519516
Ion Ratio	Lower	Upper	
202	100		
101	9.0	7.0	10.4
203	17.9	13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

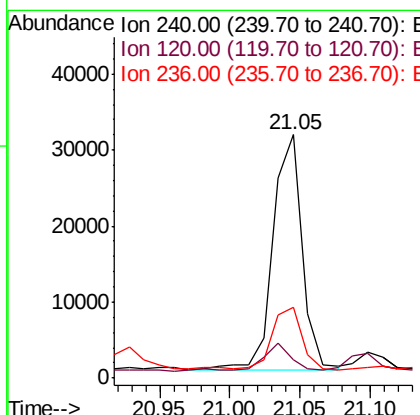
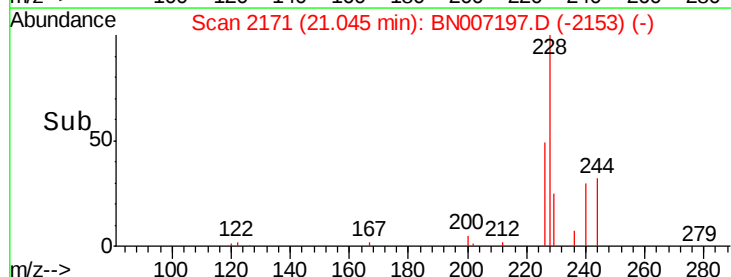
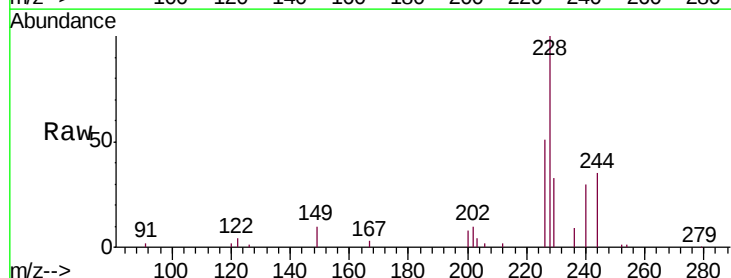
RT: 21.05 min Scan# 2171

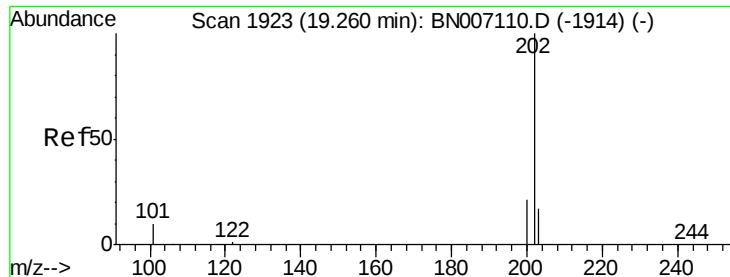
Delta R.T. -0.01 min

Lab File: BN007197.D

Acq: 15 Aug 2019 15:34

Tgt Ion:	240	Resp:	45390
Ion Ratio	Lower	Upper	
240	100		
120	7.7	4.0	6.0#
236	29.0	21.3	31.9





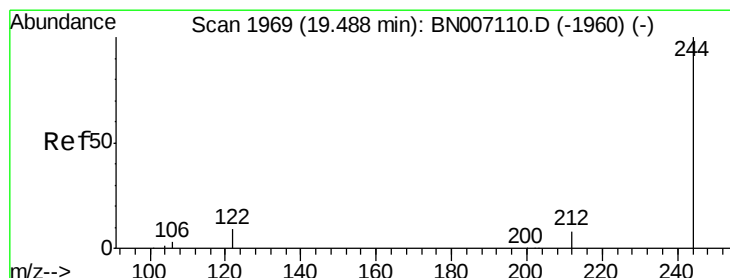
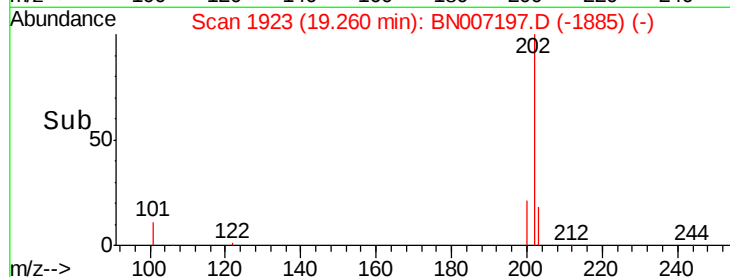
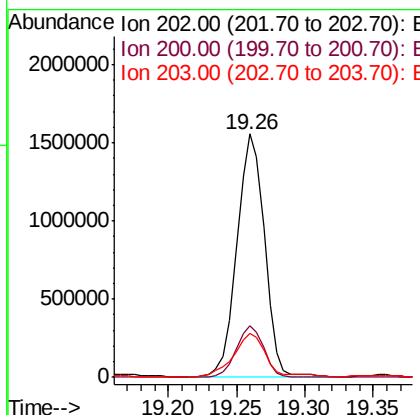
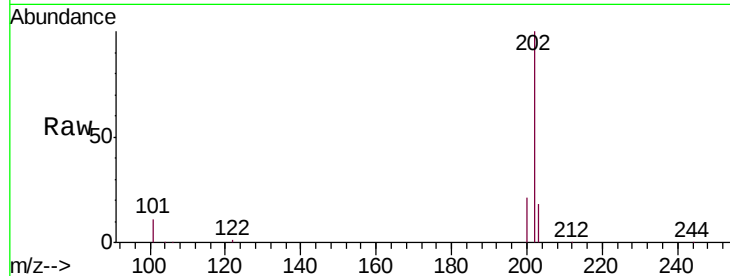
#27
 Pyrene
 Concen: 13.636 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007197.D
 Acq: 15 Aug 2019 15:34

Instrument :
 BNA_N
 ClientSampleId :
 EXT-015-SW085-080119-1DL

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	20.2	14.0	21.0

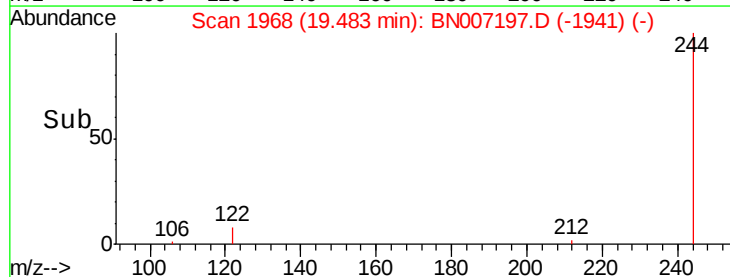
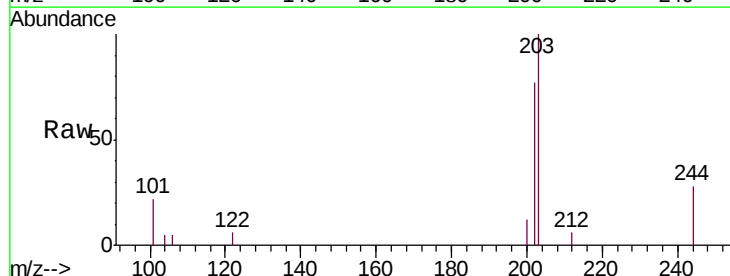
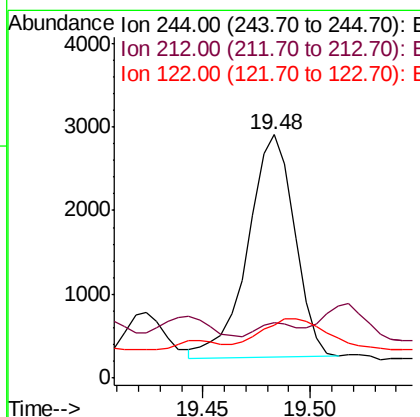
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#28
 Terphenyl-d14
 Concen: 0.033 ng
 RT: 19.48 min Scan# 1968
 Delta R.T. -0.02 min
 Lab File: BN007197.D
 Acq: 15 Aug 2019 15:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	22.8	6.2	9.2#
122	22.0	7.4	11.2#





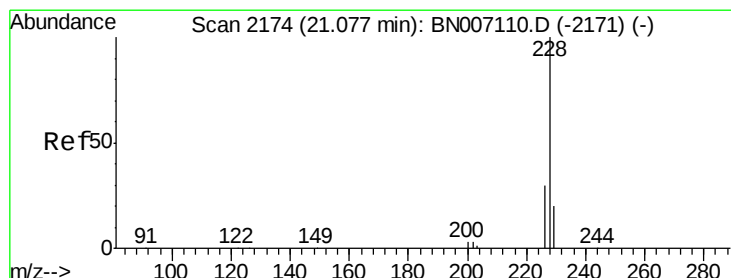
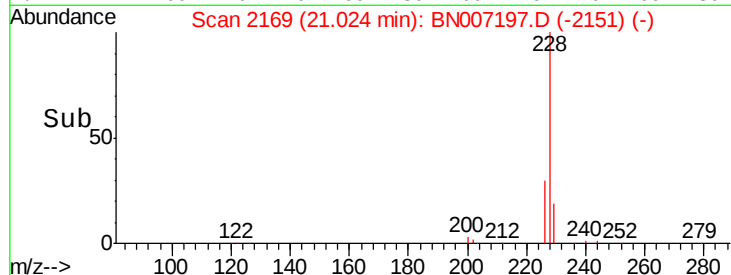
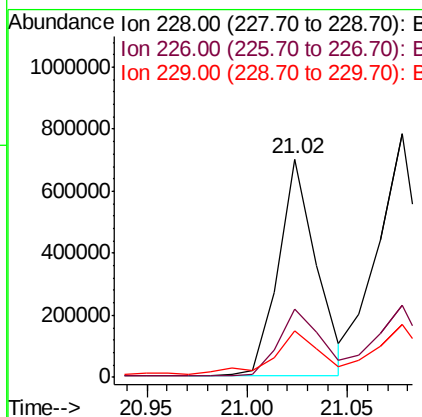
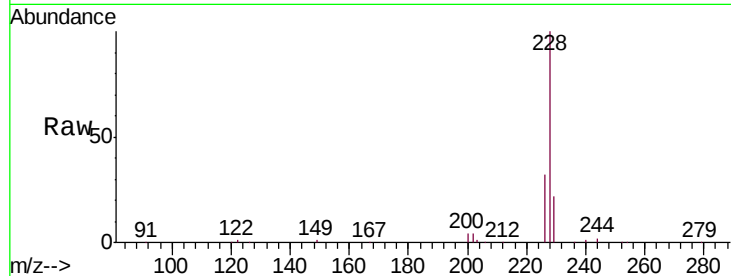
#29
Benzo(a)anthracene
Concen: 5.545 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	21.8	32.6
229	21.5	15.6	23.4

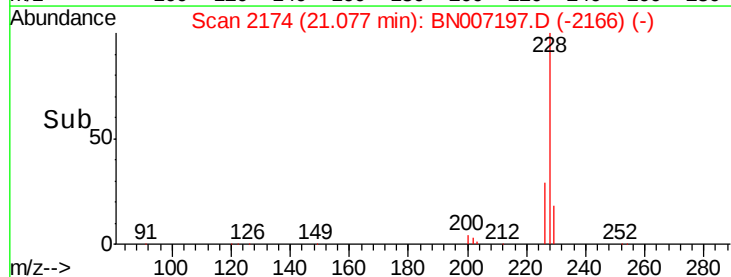
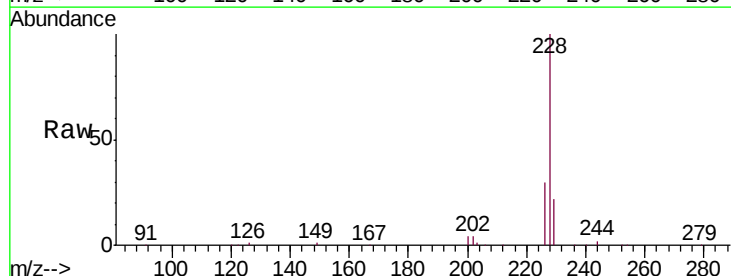
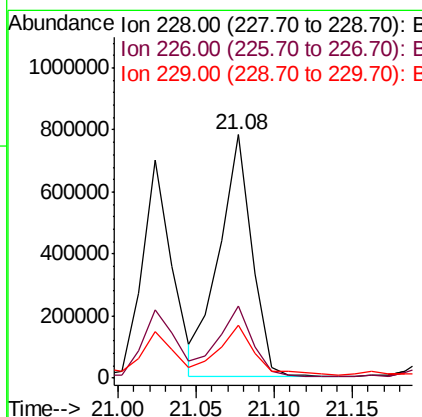
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#30
Chrysene
Concen: 7.059 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	21.6	15.7	23.5





#31

Indeno(1,2,3-cd)pyrene

Concen: 2.899 ng

RT: 25.23 min Scan# 3125

Delta R.T. -0.02 min

Lab File: BN007197.D

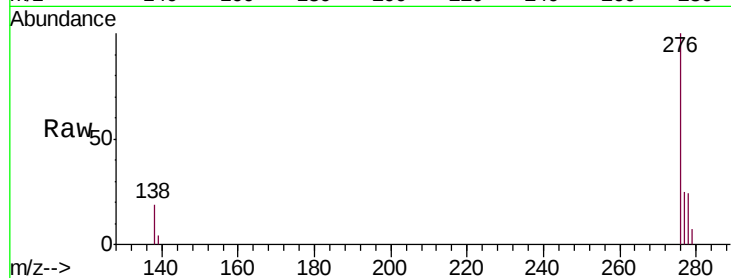
Acq: 15 Aug 2019 15:34

Instrument :

BNA_N

ClientSampleId :

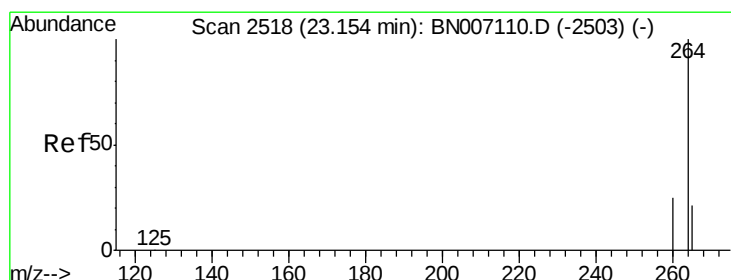
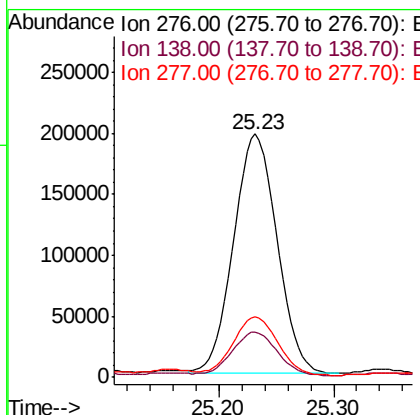
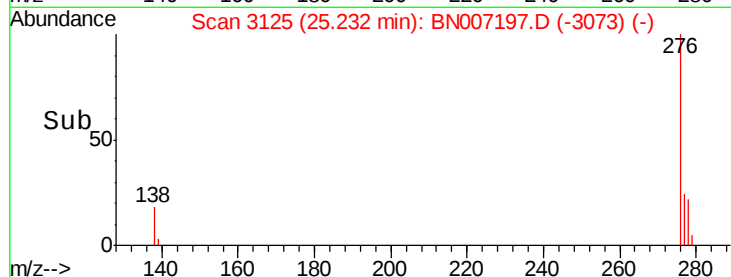
EXT-015-SW085-080119-1DL



Tgt Ion:	276	Resp:	515264
Ion Ratio	Lower	Upper	
276	100		
138	18.6	16.0	24.0
277	24.8	19.9	29.9

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#32

Perylene-d12

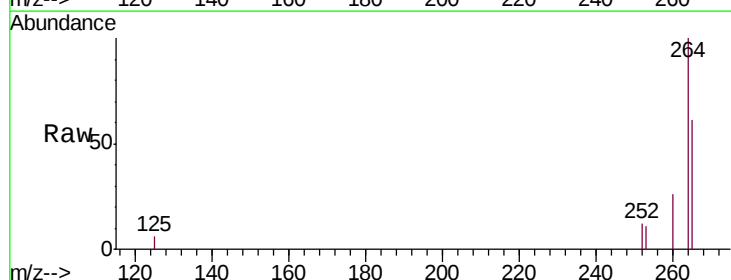
Concen: 0.400 ng

RT: 23.15 min Scan# 2518

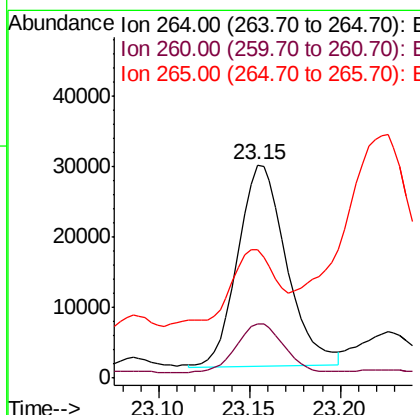
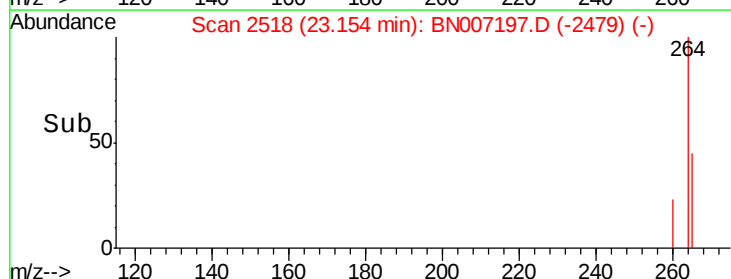
Delta R.T. -0.02 min

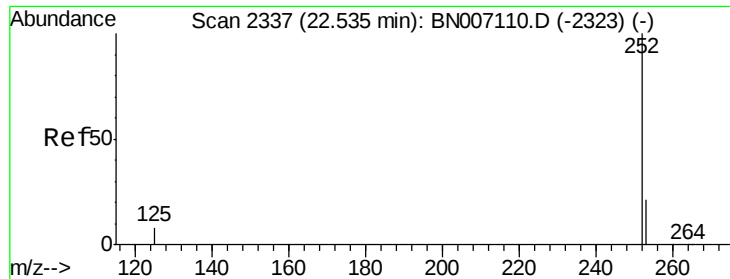
Lab File: BN007197.D

Acq: 15 Aug 2019 15:34



Tgt Ion:	264	Resp:	53531
Ion Ratio	Lower	Upper	
264	100		
260	25.6	19.8	29.8
265	60.5	26.2	39.4#





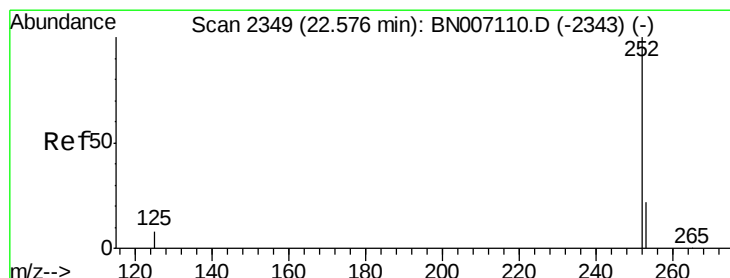
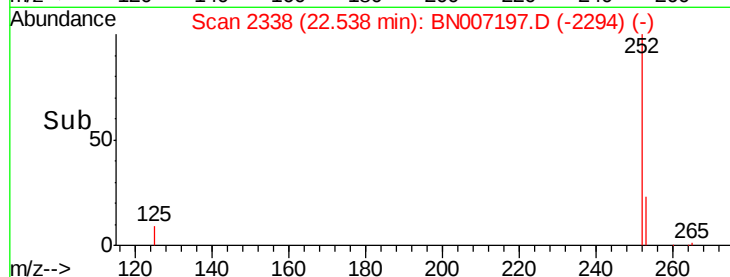
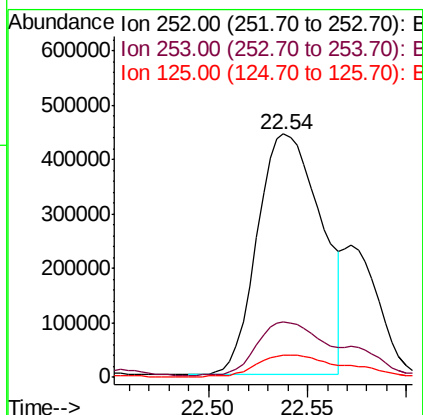
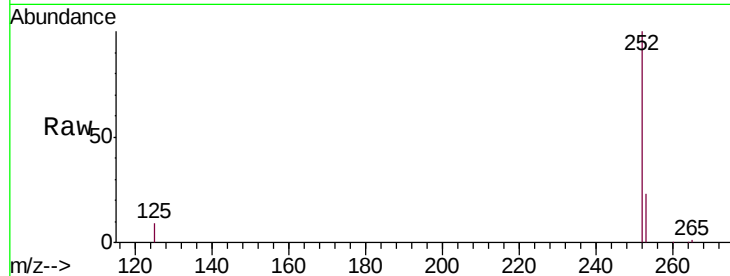
#33
Benzo(b)fluoranthene
Concen: 5.432 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	8.9	7.4	11.0

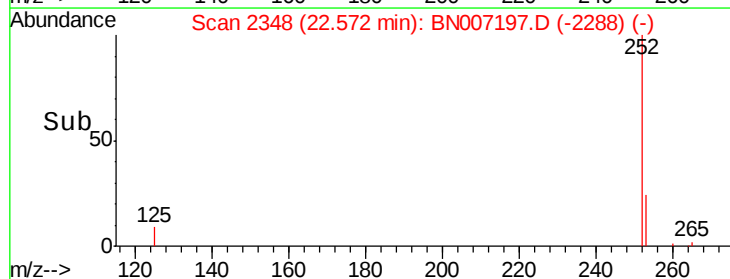
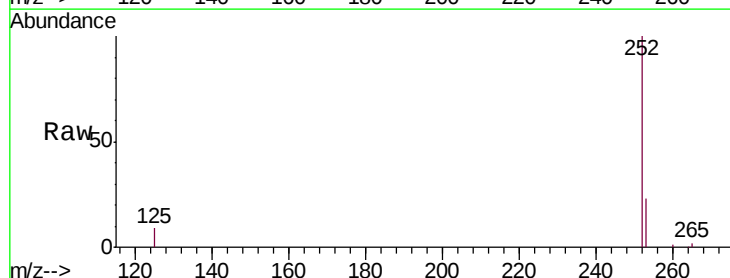
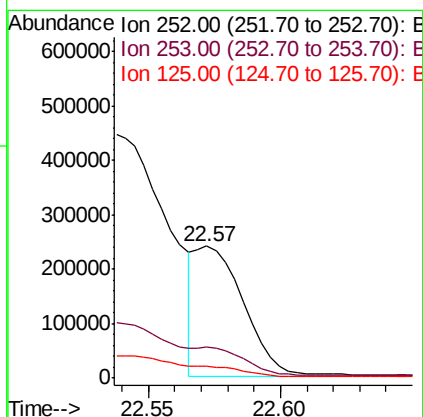
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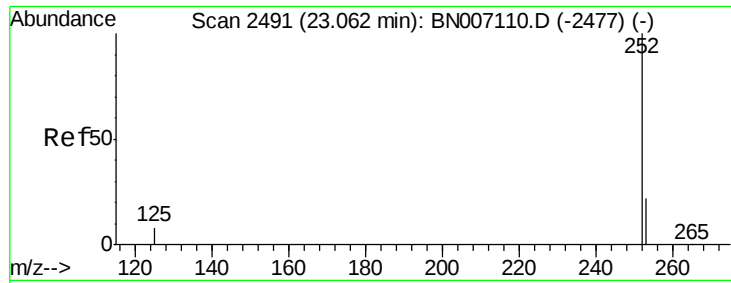
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#34
Benzo(k)fluoranthene
Concen: 1.660 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	9.1	7.4	11.0





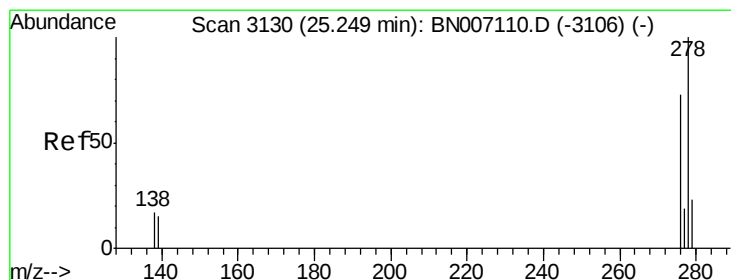
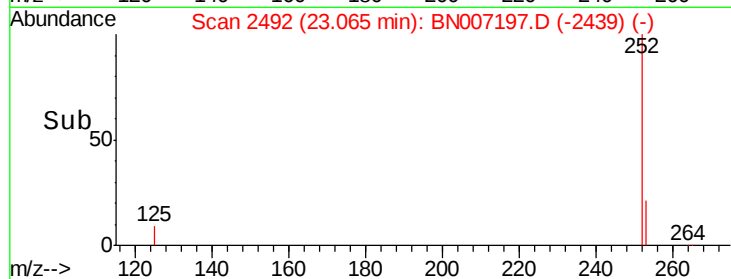
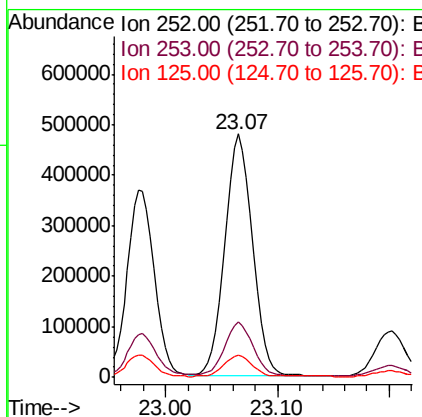
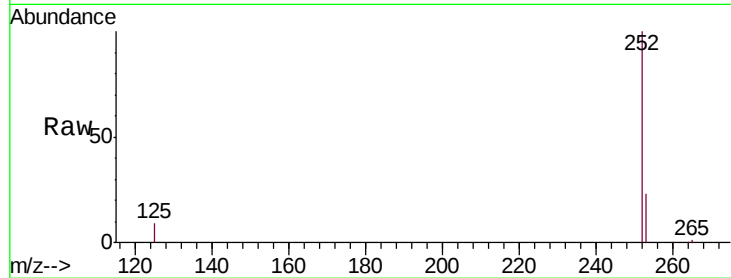
#35
Benzo(a)pyrene
Concen: 4.907 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	816675		
253	22.5	18.5	27.7	
125	9.2	8.2	12.4	

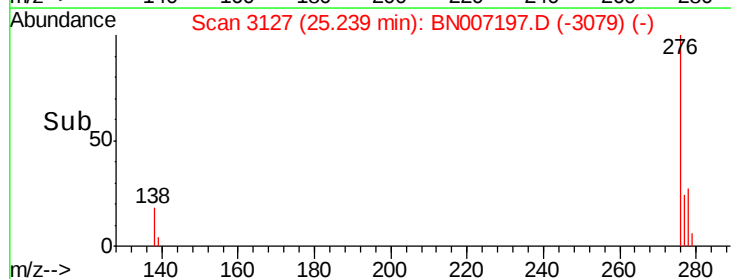
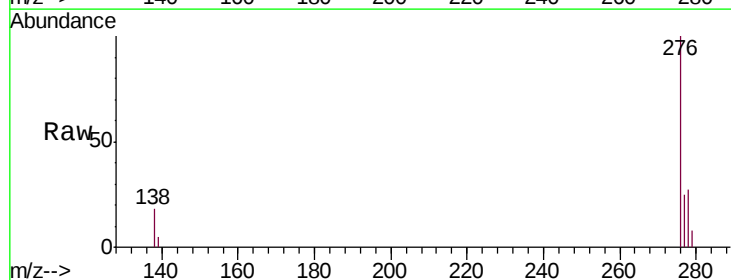
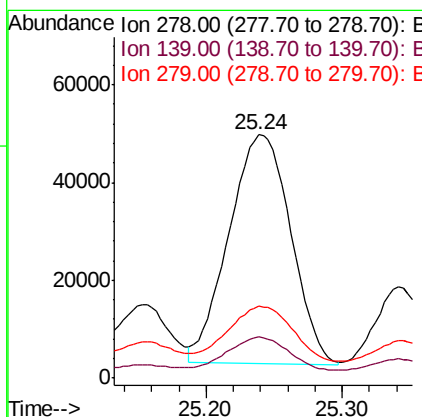
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#36
Dibenzo(a,h)anthracene
Concen: 0.888 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.03 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	147405		
139	16.8	11.3	16.9	
279	29.6	19.3	28.9	





#37
 Benzo(g,h,i)perylene
 Concen: 3.410 ng
 RT: 25.86 min Scan# 3309
 Delta R.T. -0.02 min
 Lab File: BN007197.D
 Acq: 15 Aug 2019 15:34

Instrument :
 BNA_N
 ClientSampleId :
 EXT-015-SW085-080119-1DL

Tgt Ion:	276	Resp:	582445
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.8	29.8
138	18.7	14.6	22.0

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