

Data File : BN007211.D
Acq On : 15 Aug 2019 23:58
Operator : HP/JU
Sample : K4282-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-010-SW051-080819

Manual Integrations
APPROVED

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8/16/2019 6:12:02 PM

Quant Time: Aug 16 07:48:25 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	7228	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	27405	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	15487	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	36579	0.40	ng	0.00
26) Chrysene-d12	21.03	240	38531	0.40	ng	-0.02
32) Perylene-d12	23.15	264	42477	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	5389	0.31	ng	0.00
4) Phenol-d6	6.61	99	7191	0.33	ng	0.00
7) Nitrobenzene-d5	8.55	82	5162	0.23	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	10509	0.21	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1800	0.22	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	1238	0.05	ng	0.00
24) Fluoranthene-d10	18.86	212	19685	0.15	ng	-0.01
28) Terphenyl-d14	19.48	244	13629	0.13	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Naphthalene	10.22	128	26534	0.345	ng	100
11) 2-Methylnaphthalene	11.86	142	8458	0.155	ng	95
15) Acenaphthylene	13.79	152	40705	0.503	ng	99
16) Acenaphthene	14.13	154	32204	0.621	ng	99
17) Fluorene	15.12	166	34657	0.447	ng	97
22) Phenanthrene	16.86	178	564209	5.147	ng	100
23) Anthracene	16.95	178	147610	1.474	ng	# 93
25) Fluoranthene	18.89	202	943396	6.727	ng	100
27) Pyrene	19.26	202	839950	6.216	ng	# 95
29) Benzo(a)anthracene	21.02	228	559679	3.972	ng	94
30) Chrysene	21.08	228	473957	3.462	ng	96
31) Indeno(1,2,3-cd)pyrene	25.23	276	298021	1.975	ng	98
33) Benzo(b)fluoranthene	22.53	252	640693	4.399	ng	99
34) Benzo(k)fluoranthene	22.57	252	192421m	1.338	ng	
35) Benzo(a)pyrene	23.07	252	448047	3.393	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	83256	0.632	ng	93
37) Benzo(g,h,i)perylene	25.86	276	268945	1.984	ng	99

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

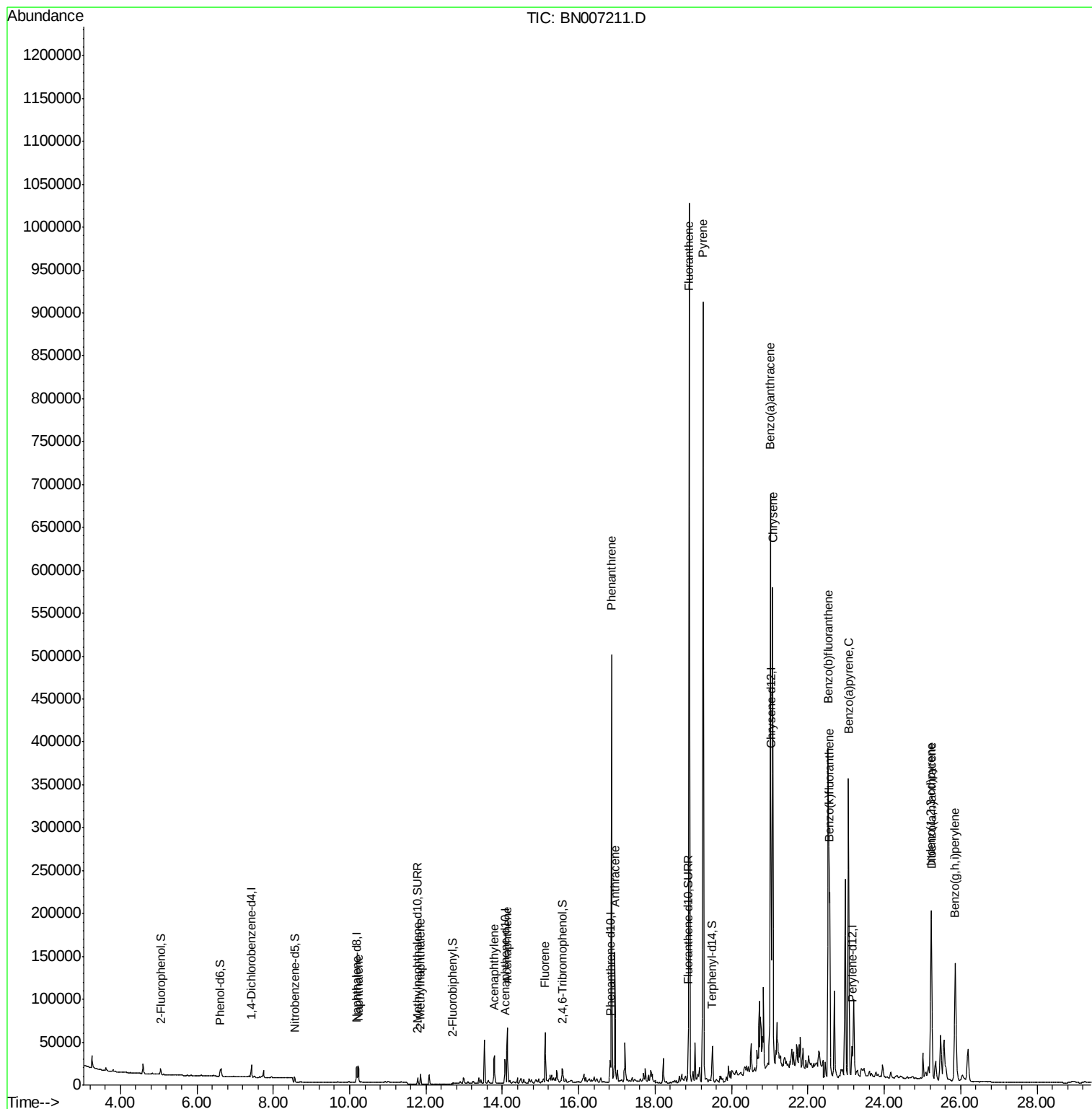
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.43 min Scan# 546

Delta R.T. -0.01 min

Lab File: BN007211.D

Acq: 15 Aug 2019 23:58

Instrument :

BNA_N

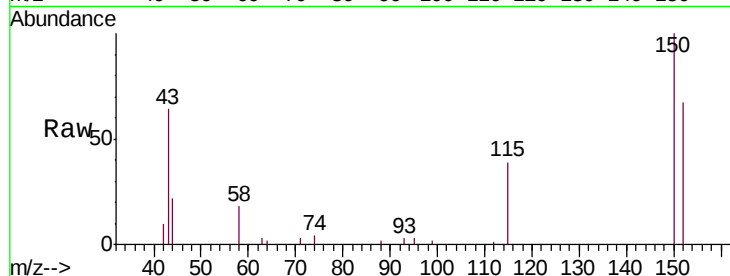
ClientSampleId :

PST-010-SW051-080819

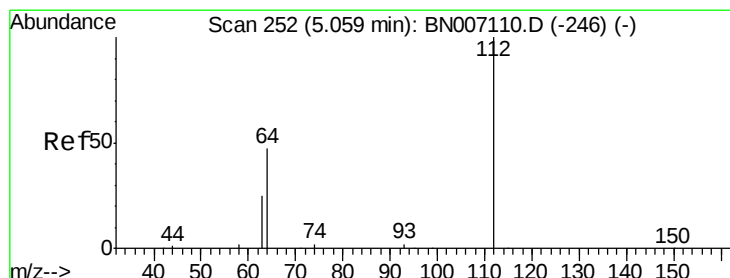
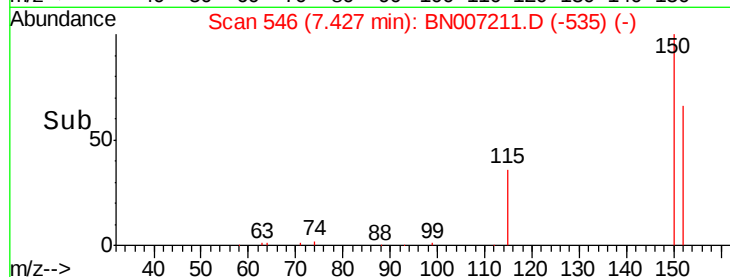
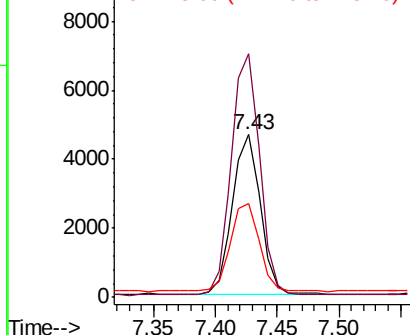
Tgt Ion:	152	Resp:	7228
Ion Ratio	Lower	Upper	
152	100		
150	149.5	121.7	182.5
115	57.8	46.2	69.4

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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: 0.310 ng

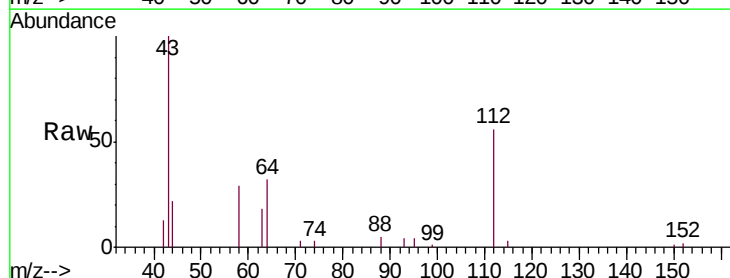
RT: 5.05 min Scan# 251

Delta R.T. -0.01 min

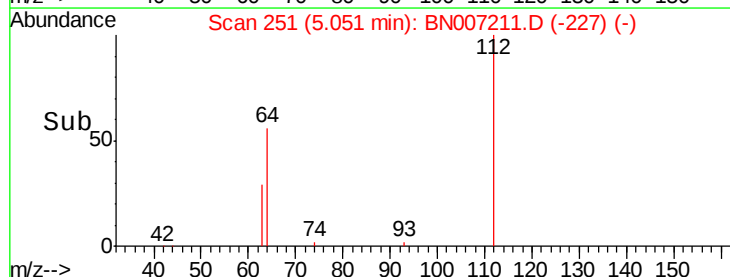
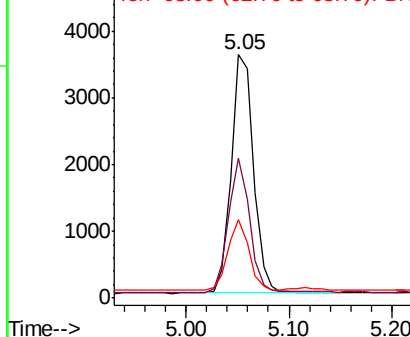
Lab File: BN007211.D

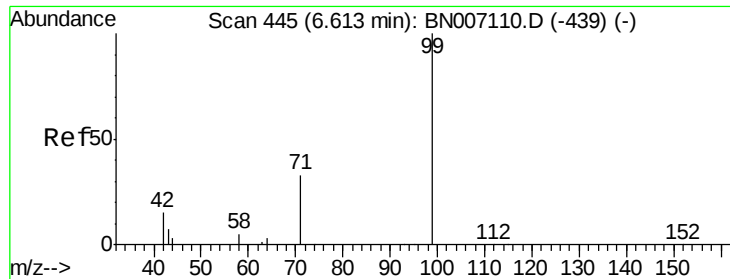
Acq: 15 Aug 2019 23:58

Tgt Ion:	112	Resp:	5389
Ion Ratio	Lower	Upper	
112	100		
64	53.2	42.6	63.8
63	27.4	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: 0.334 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007211.D

Acq: 15 Aug 2019 23:58

Instrument :

BNA_N

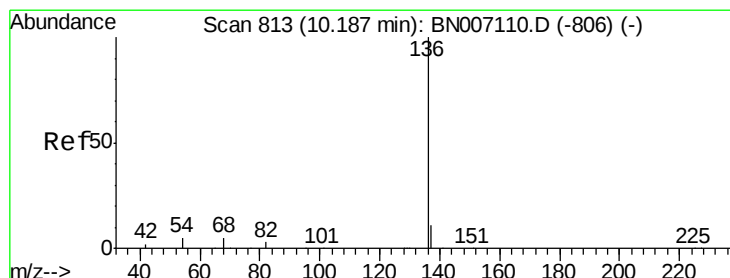
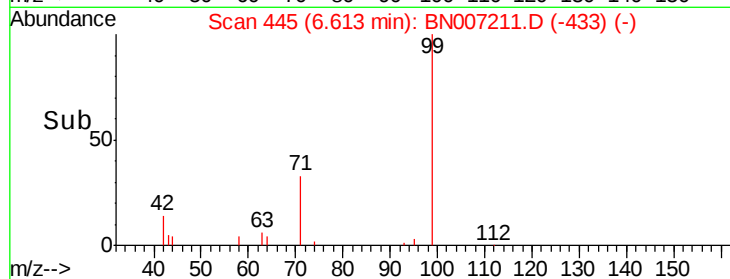
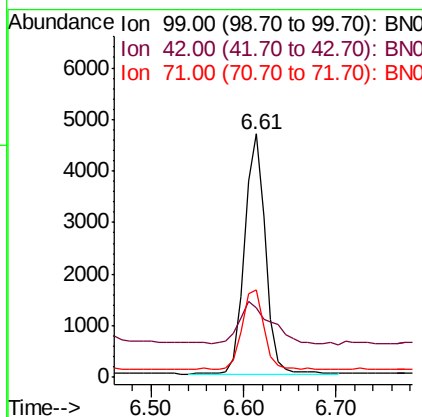
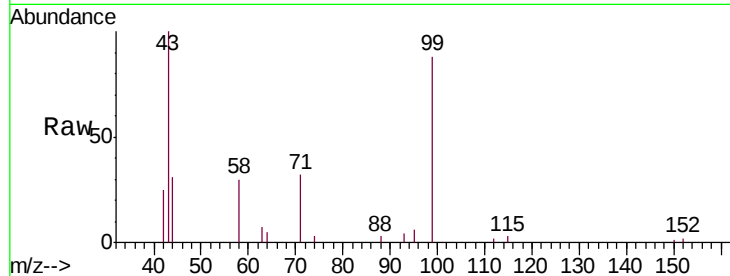
ClientSampleId :

PST-010-SW051-080819

Tgt Ion:	99	Resp:	7191
Ion Ratio	Lower	Upper	
99	100		
42	25.5	15.8	23.6#
71	35.0	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

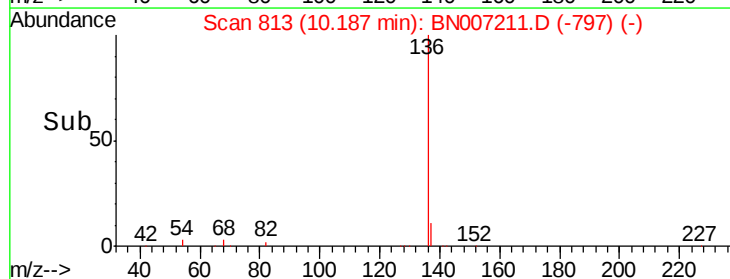
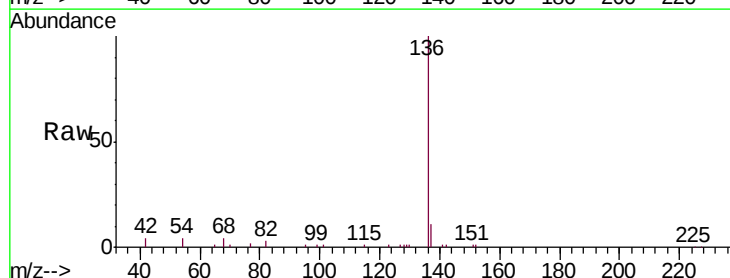
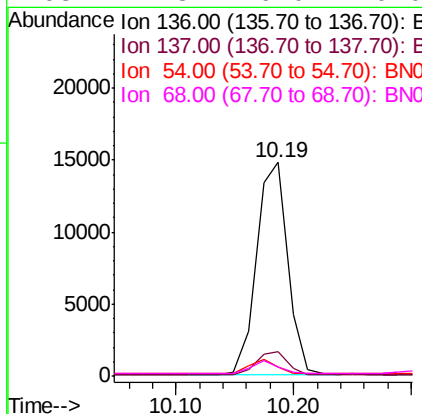
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007211.D

Acq: 15 Aug 2019 23:58

Tgt Ion:	136	Resp:	27405
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.4	14.0
54	4.4	6.6	9.8#
68	4.3	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.234 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007211.D

Acq: 15 Aug 2019 23:58

Instrument :

BNA_N

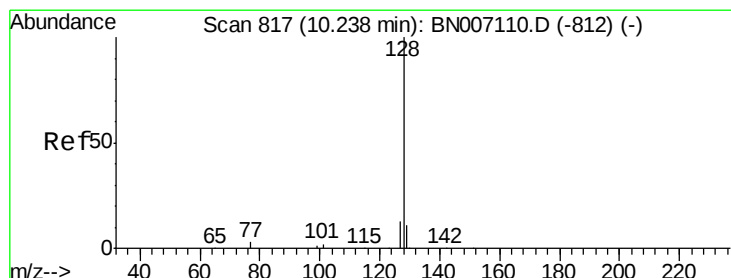
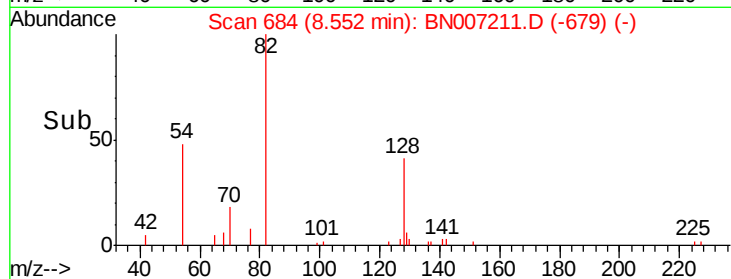
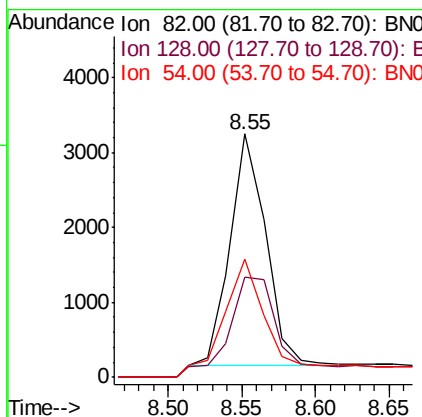
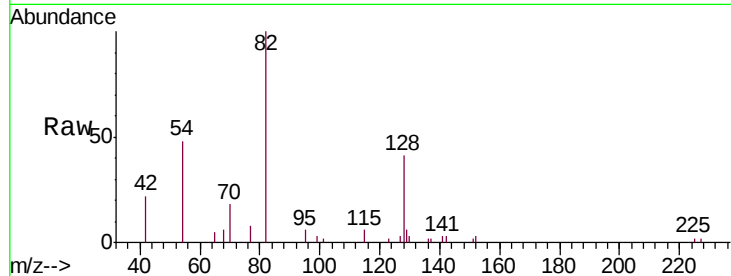
ClientSampleId :

PST-010-SW051-080819

Tgt Ion:	82	Resp:	5162
Ion Ratio	Lower	Upper	
82	100		
128	41.1	34.6	51.8
54	48.5	36.2	54.4

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#8

Naphthalene

Concen: 0.345 ng

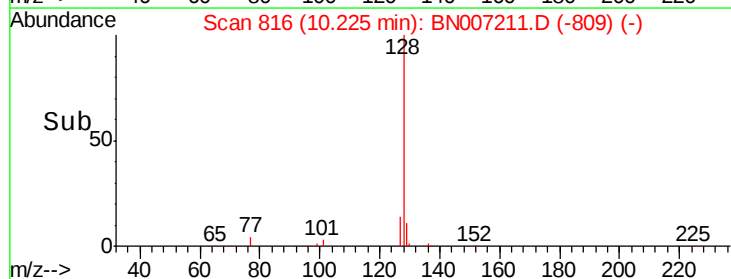
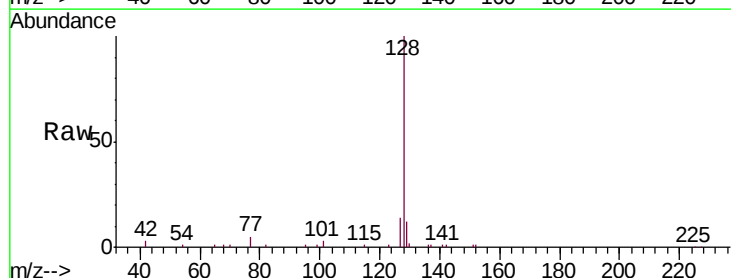
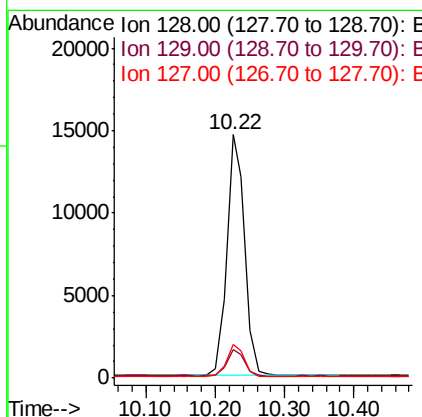
RT: 10.22 min Scan# 816

Delta R.T. -0.01 min

Lab File: BN007211.D

Acq: 15 Aug 2019 23:58

Tgt Ion:	128	Resp:	26534
Ion Ratio	Lower	Upper	
128	100		
129	11.7	9.4	14.2
127	14.1	11.0	16.6





#10

2-Methylnaphthalene-d10

Concen: 0.206 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007211.D

Acq: 15 Aug 2019 23:58

Instrument :

BNA_N

ClientSampleId :

PST-010-SW051-080819

Tgt Ion:152 Resp: 10509

Ion Ratio Lower Upper

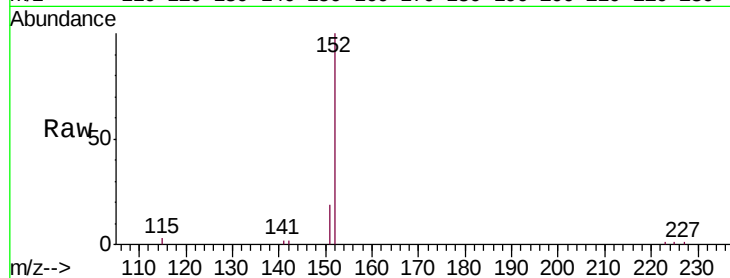
152 100

151 19.6 15.5 23.3

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.79

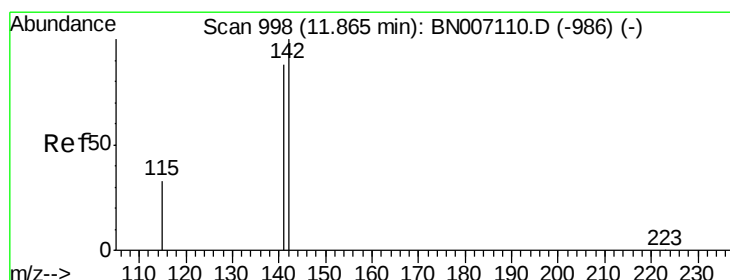
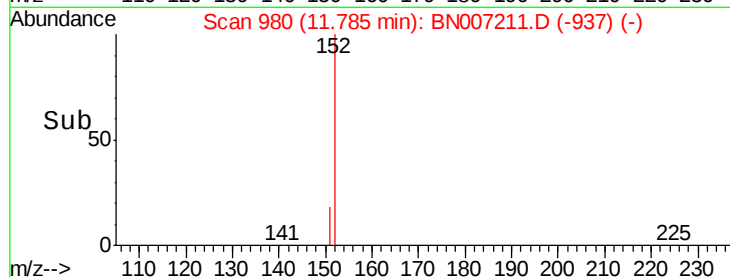
6000

4000

2000

0

Time-->



#11

2-Methylnaphthalene

Concen: 0.155 ng

RT: 11.86 min Scan# 996

Delta R.T. -0.01 min

Lab File: BN007211.D

Acq: 15 Aug 2019 23:58

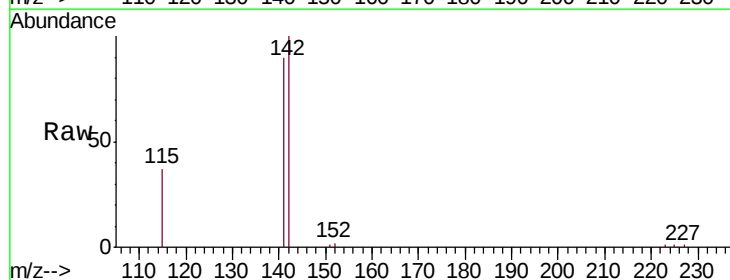
Tgt Ion:142 Resp: 8458

Ion Ratio Lower Upper

142 100

141 90.1 69.0 103.6

115 37.3 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

11.86

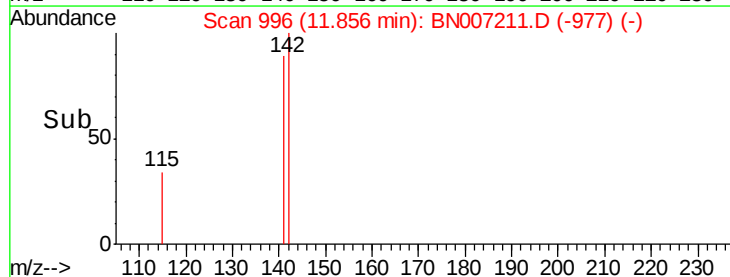
6000

4000

2000

0

Time-->





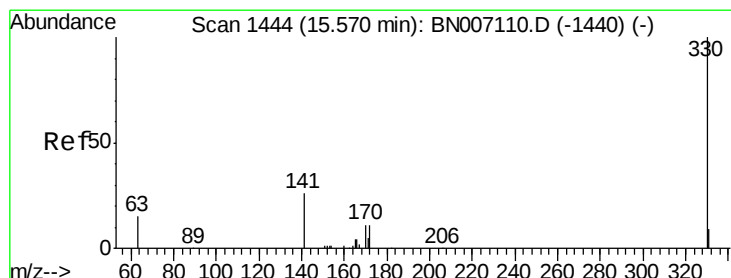
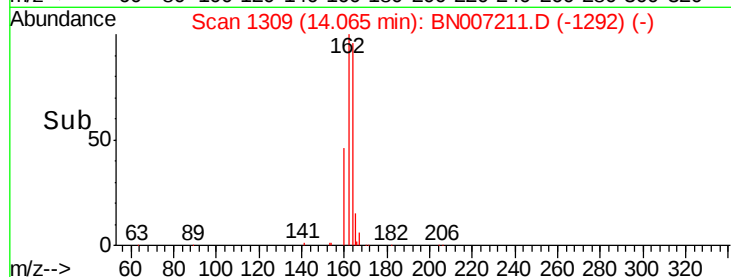
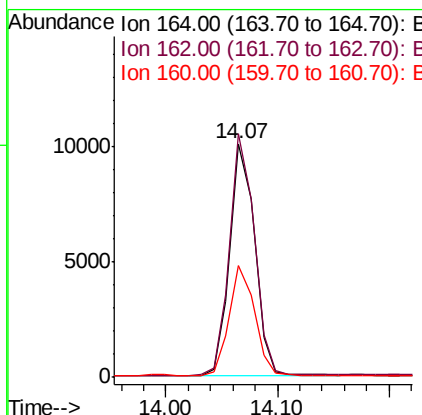
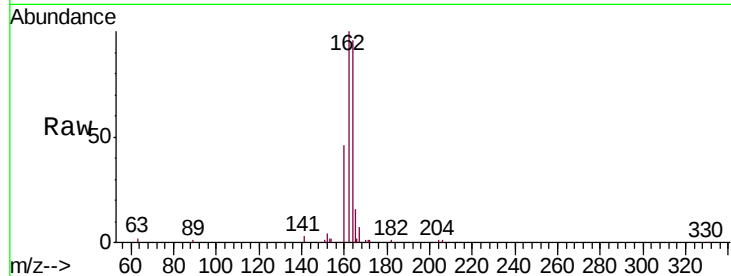
#12
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.07 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BN007211.D
 Acq: 15 Aug 2019 23:58

Instrument :
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 ClientSampleId :
 PST-010-SW051-080819

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.4
160	48.0	38.3	57.5

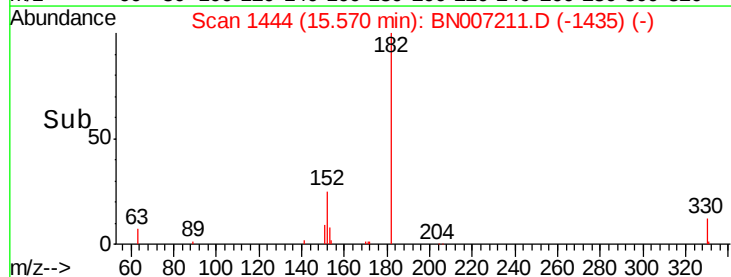
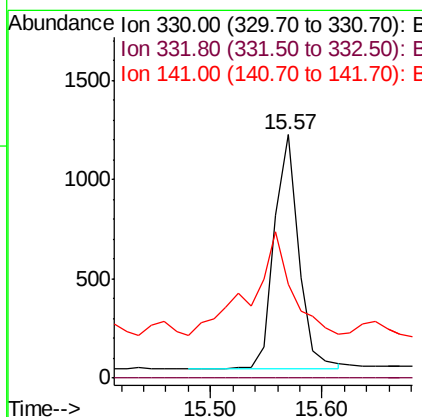
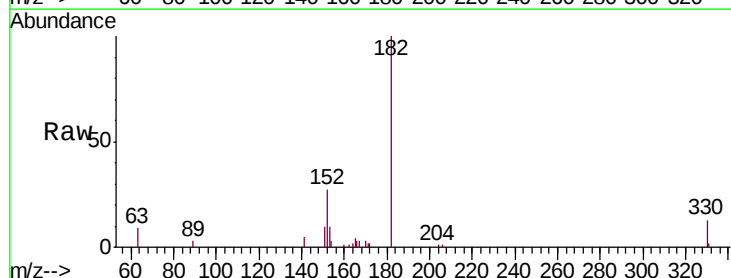
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#13
 2,4,6-Tribromophenol
 Concen: 0.216 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007211.D
 Acq: 15 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	73.5	33.6	50.4#





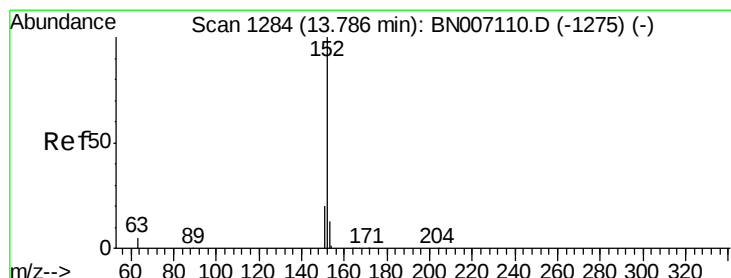
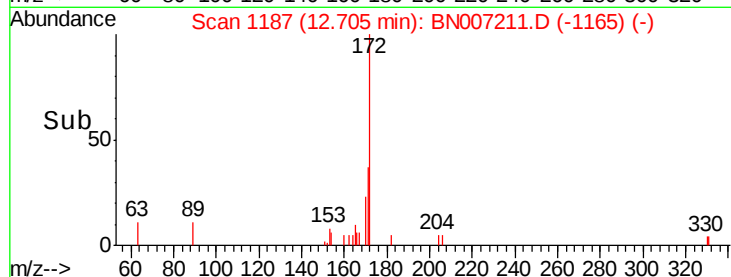
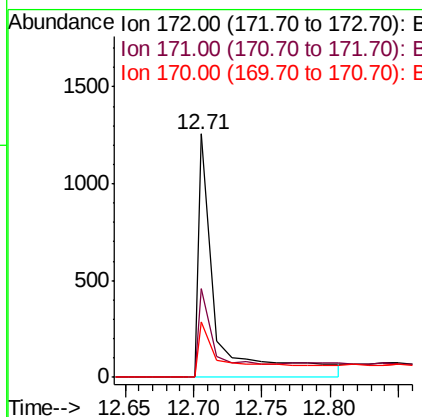
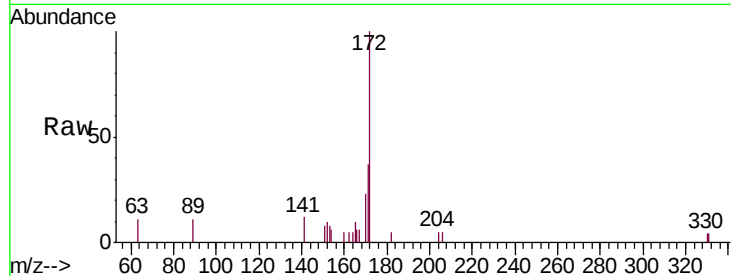
#14
2-Fluorobiphenyl
Concen: 0.055 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007211.D
Acq: 15 Aug 2019 23:58

Instrument :
BNA_N
ClientSampleId :
PST-010-SW051-080819

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	26.3	39.5
170	22.7	17.0	25.4

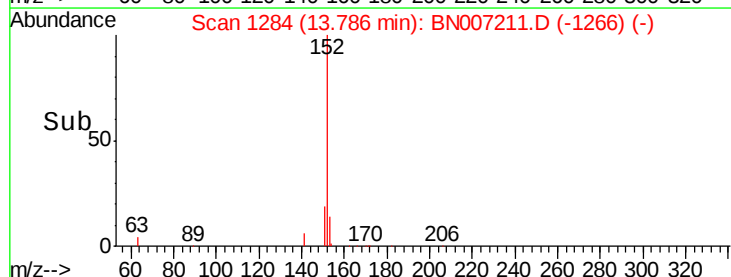
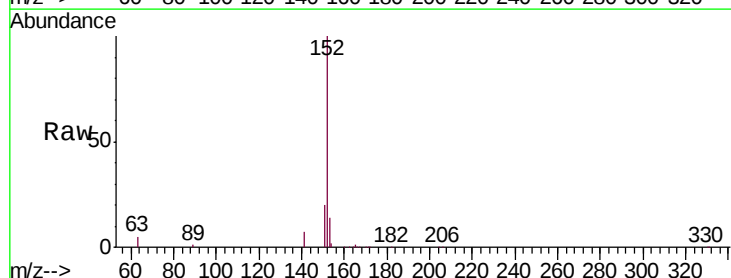
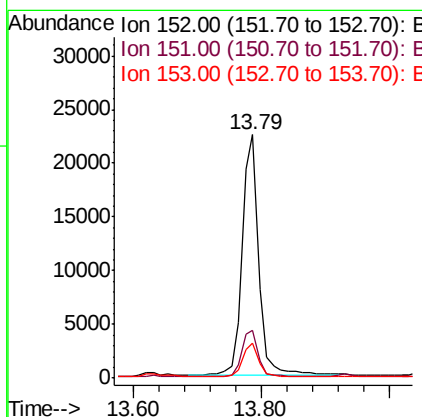
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#15
Acenaphthylene
Concen: 0.503 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007211.D
Acq: 15 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.6	10.4	15.6





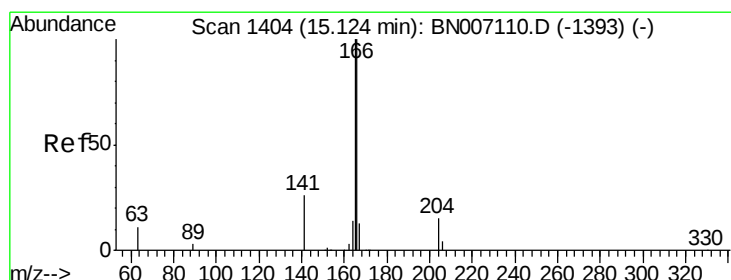
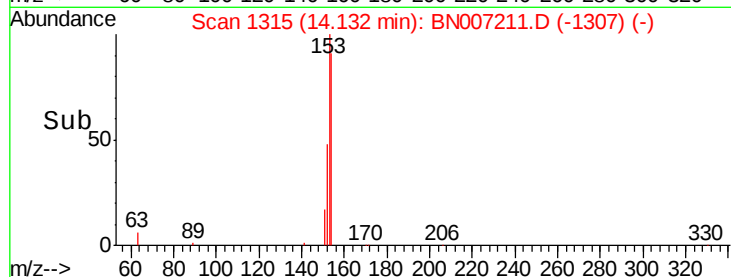
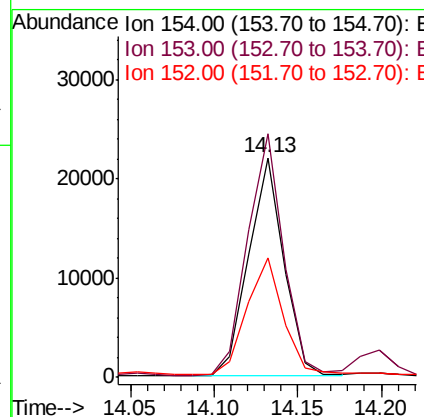
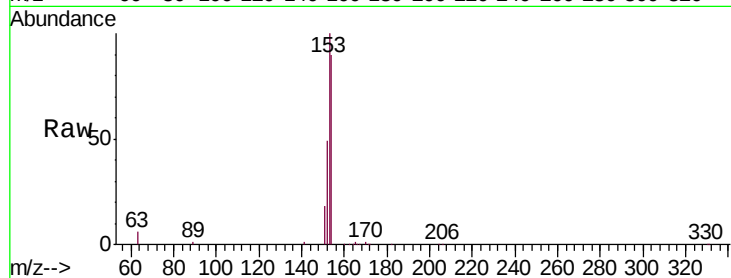
#16
Acenaphthene
Concen: 0.621 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007211.D
Acq: 15 Aug 2019 23:58

Instrument :
BNA_N
ClientSampleId :
PST-010-SW051-080819

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.5	134.3
152	56.8	44.8	67.2

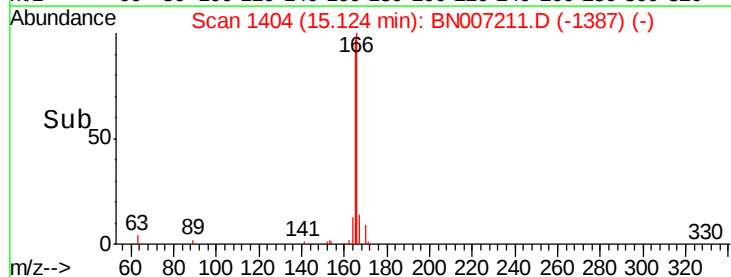
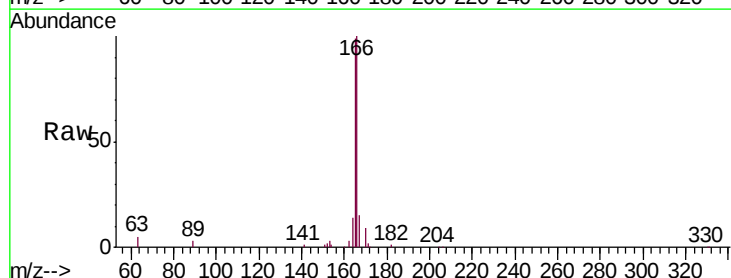
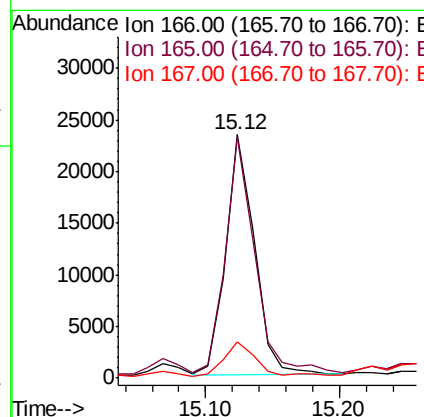
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#17
Fluorene
Concen: 0.447 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007211.D
Acq: 15 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	77.9	116.9
167	16.1	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: BN007211.D

Acq: 15 Aug 2019 23:58

Instrument :

BNA_N

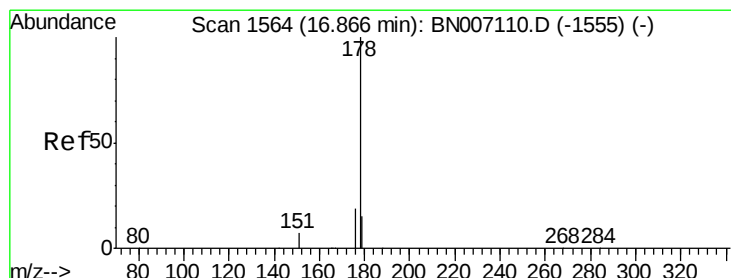
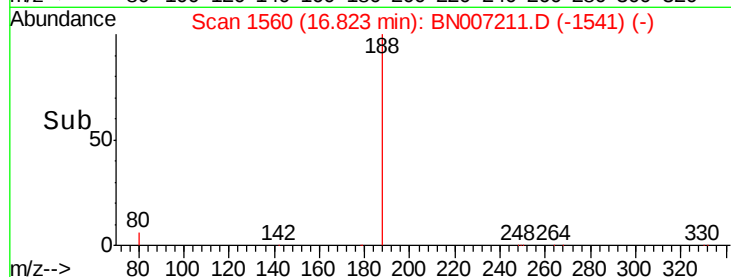
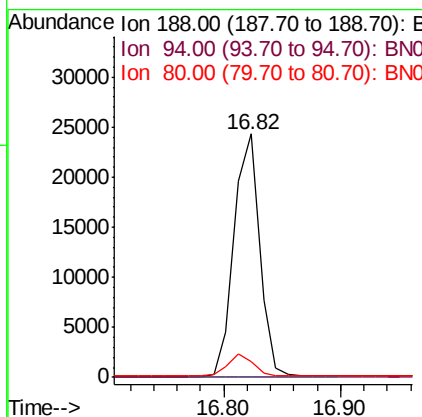
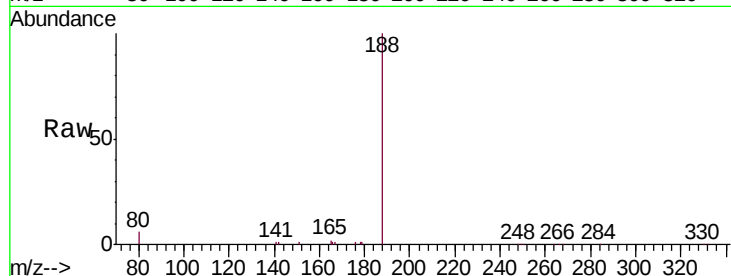
ClientSampleId :

PST-010-SW051-080819

Tgt Ion:	188	Resp:	36579
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.5	7.8	11.6#

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#22

Phenanthrene

Concen: 5.147 ng

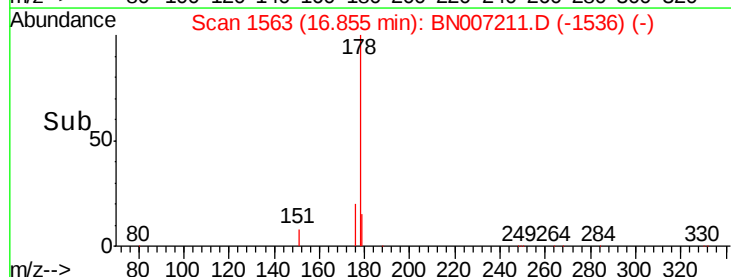
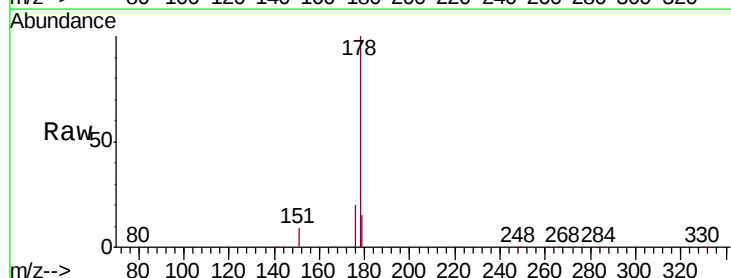
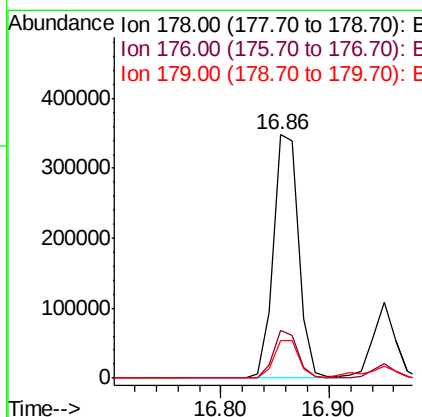
RT: 16.86 min Scan# 1563

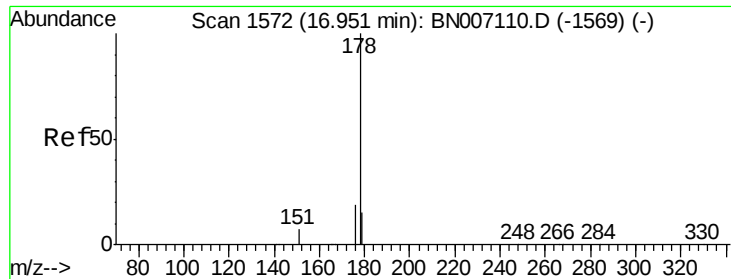
Delta R.T. -0.01 min

Lab File: BN007211.D

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Tgt Ion:	178	Resp:	564209
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	15.5	12.3	18.5





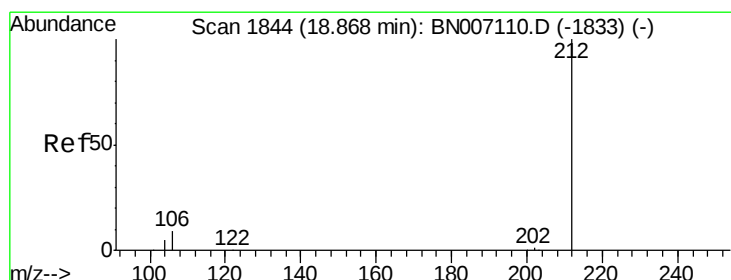
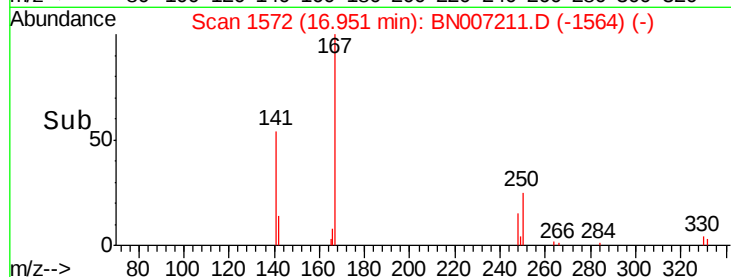
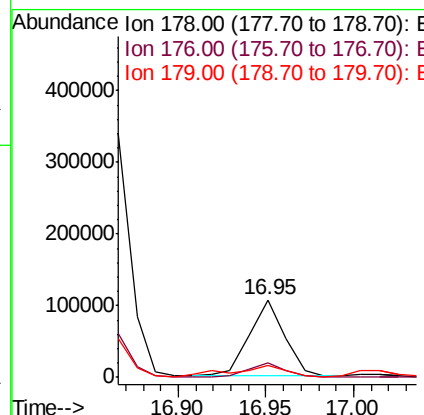
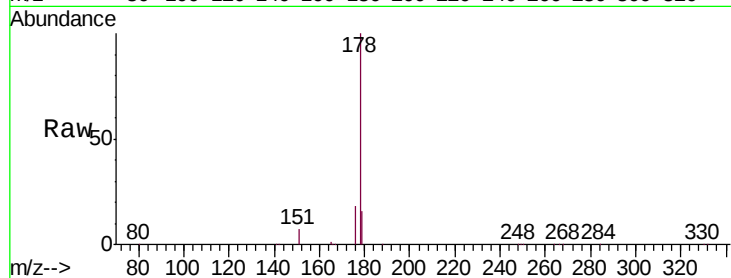
#23
 Anthracene
 Concen: 1.474 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007211.D
 Acq: 15 Aug 2019 23:58

Instrument :
 BNA_N
 ClientSampleId :
 PST-010-SW051-080819

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	22.1	12.5	18.7

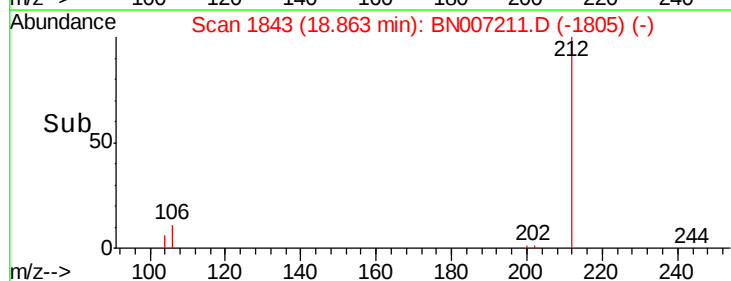
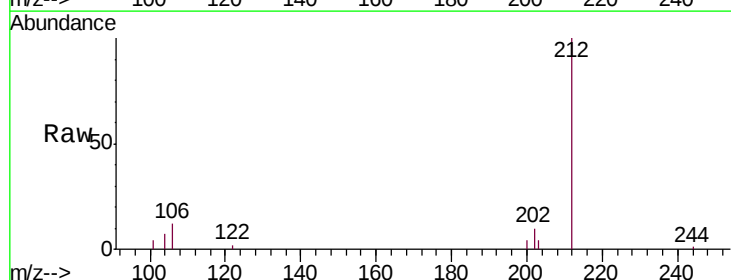
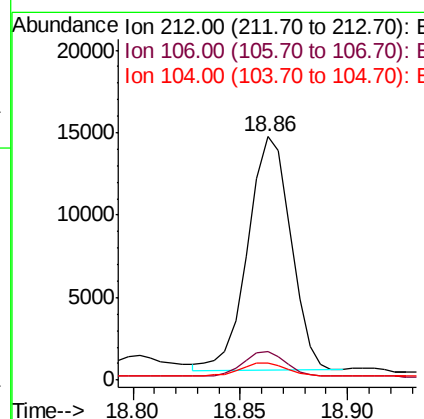
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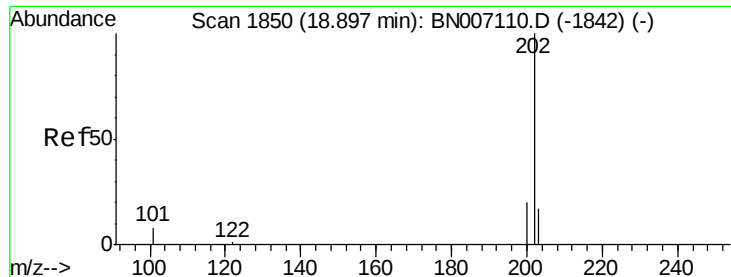
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#24
 Fluoranthene-d10
 Concen: 0.152 ng
 RT: 18.86 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BN007211.D
 Acq: 15 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.7	8.2	12.2
104	6.5	4.5	6.7





#25

Fluoranthene

Concen: 6.727 ng

RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN007211.D

Acq: 15 Aug 2019 23:58

Instrument :

BNA_N

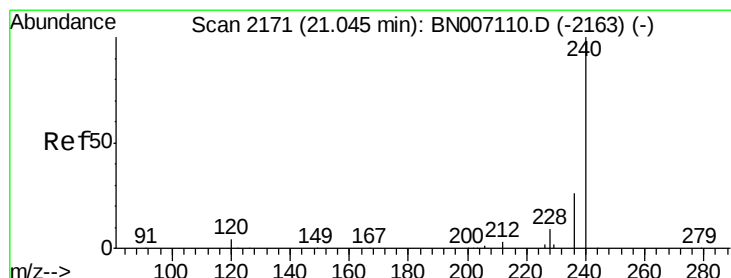
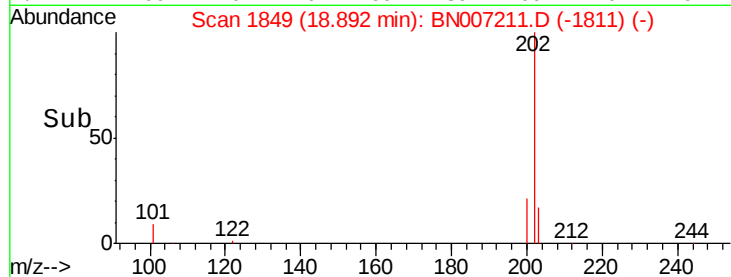
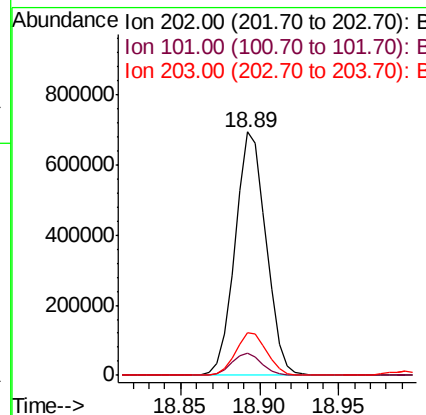
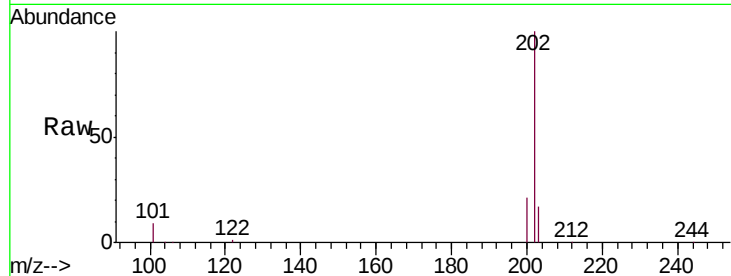
ClientSampleId :

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Tgt	Ion	202	Resp:	943396
Ion	Ratio	Lower	Upper	
202	100			
101	8.9	7.0	10.4	
203	17.5	13.8	20.8	

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#26

Chrysene-d12

Concen: 0.400 ng

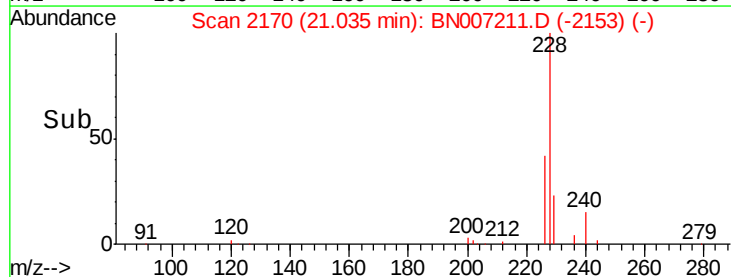
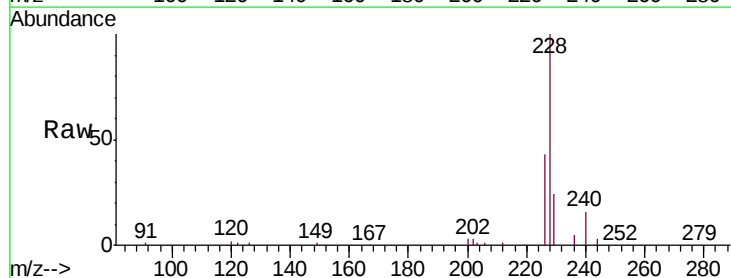
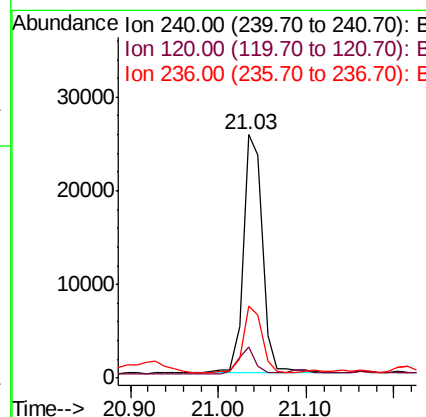
RT: 21.03 min Scan# 2170

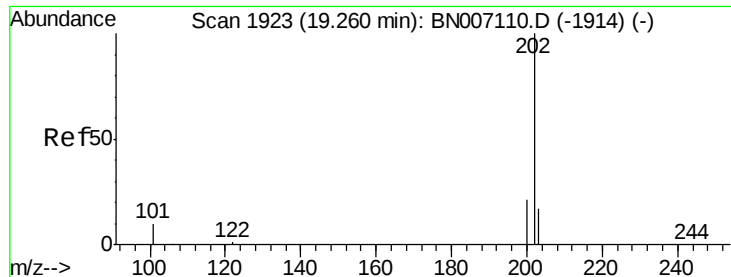
Delta R.T. -0.02 min

Lab File: BN007211.D

Acq: 15 Aug 2019 23:58

Tgt	Ion	240	Resp:	38531
Ion	Ratio	Lower	Upper	
240	100			
120	12.7	4.0	6.0#	
236	29.6	21.3	31.9	





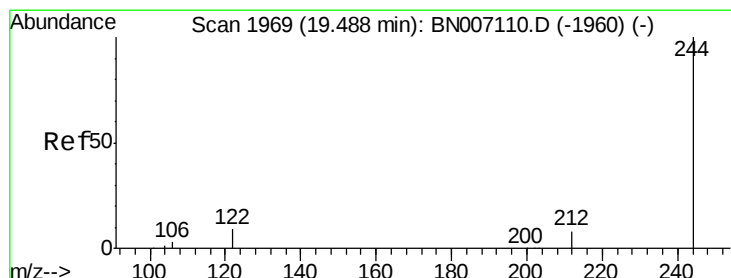
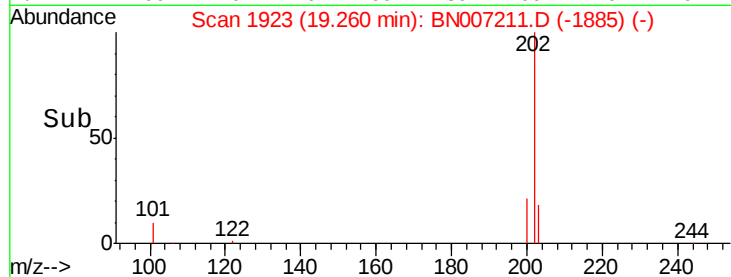
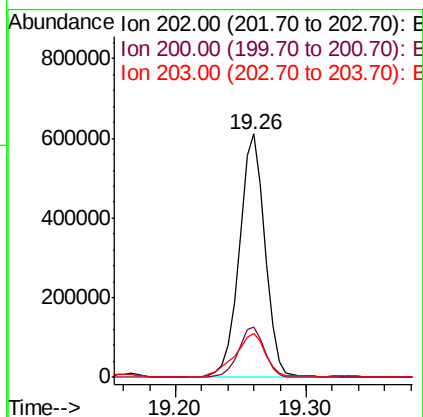
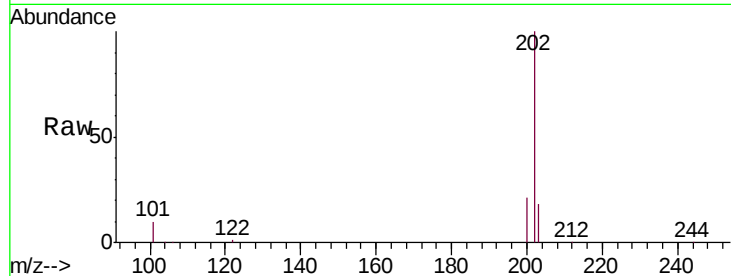
#27
Pyrene
Concen: 6.216 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007211.D
Acq: 15 Aug 2019 23:58

Instrument :
BNA_N
ClientSampleId :
PST-010-SW051-080819

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.9	16.6	24.8
203	22.2	14.0	21.0

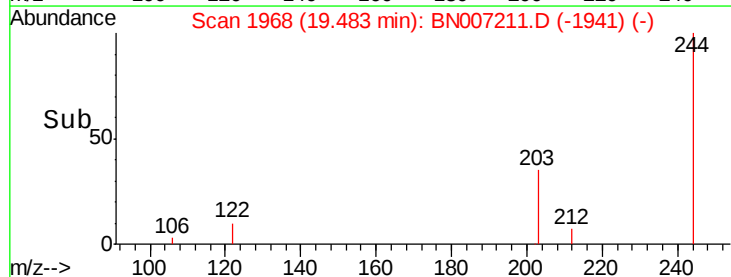
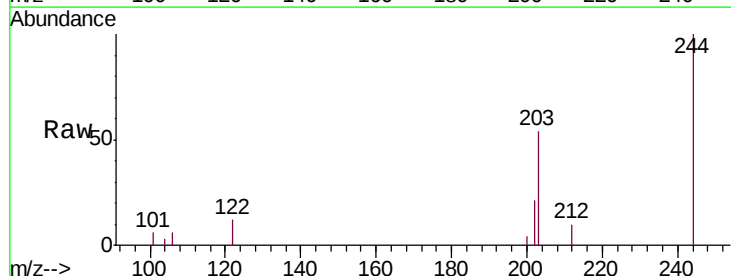
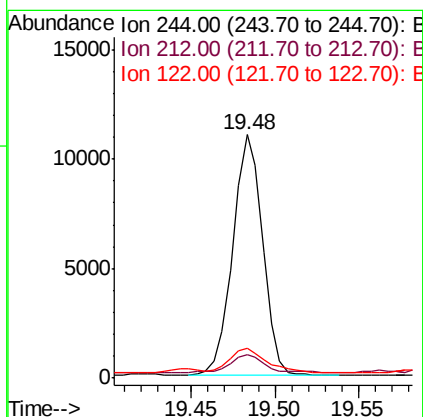
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#28
Terphenyl-d14
Concen: 0.130 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BN007211.D
Acq: 15 Aug 2019 23:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.7	6.2	9.2
122	12.3	7.4	11.2





#29

Benzo(a)anthracene

Concen: 3.972 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007211.D

Acq: 15 Aug 2019 23:58

Instrument :

BNA_N

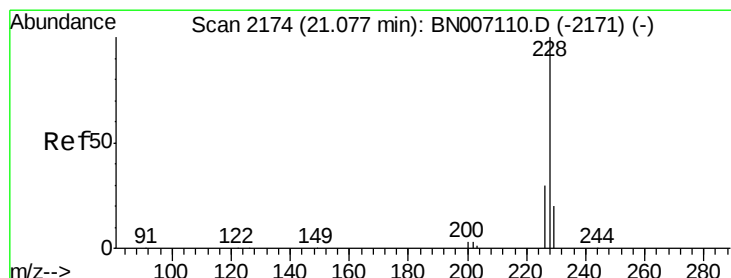
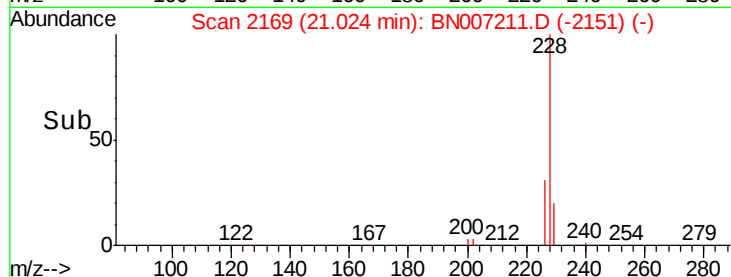
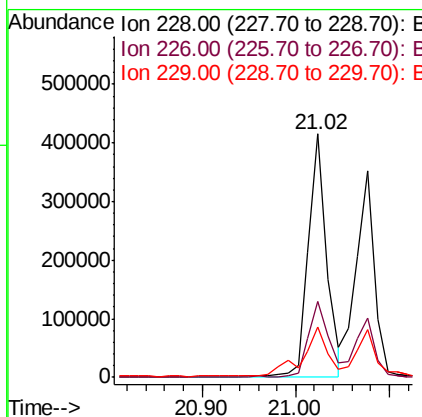
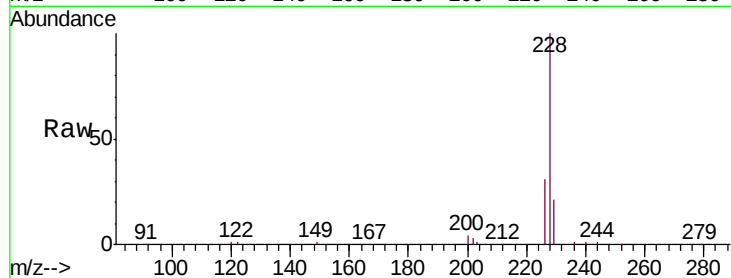
ClientSampleId :

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Tgt Ion:	228	Resp:	559679
Ion Ratio	Lower	Upper	
228	100		
226	31.2	21.8	32.6
229	20.9	15.6	23.4

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#30

Chrysene

Concen: 3.462 ng

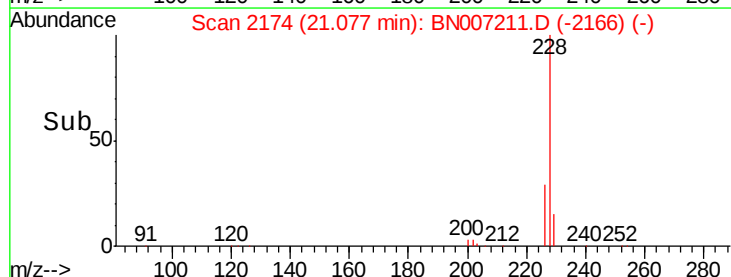
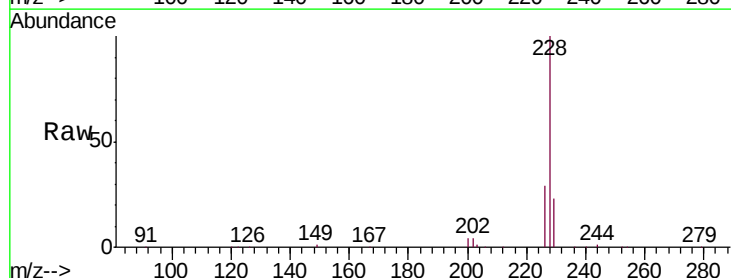
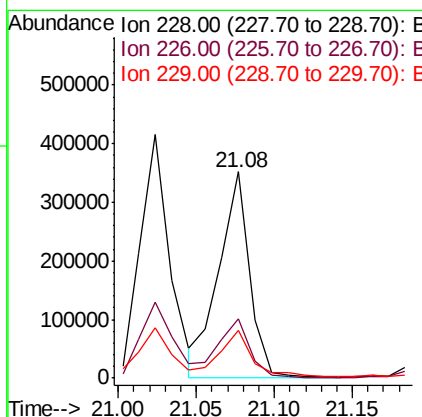
RT: 21.08 min Scan# 2174

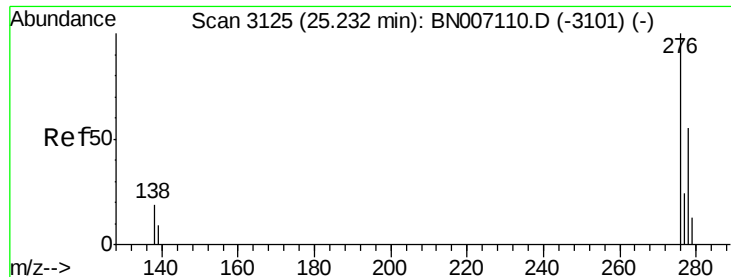
Delta R.T. -0.01 min

Lab File: BN007211.D

Acq: 15 Aug 2019 23:58

Tgt Ion:	228	Resp:	473957
Ion Ratio	Lower	Upper	
228	100		
226	29.0	23.8	35.6
229	23.0	15.7	23.5





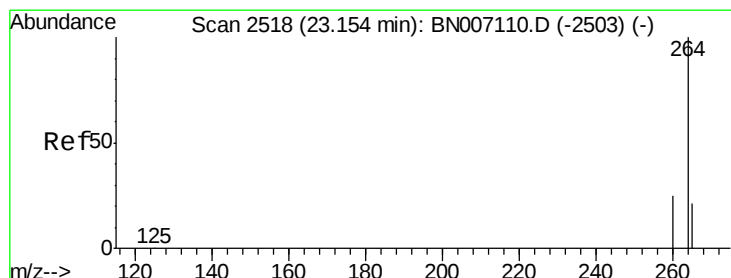
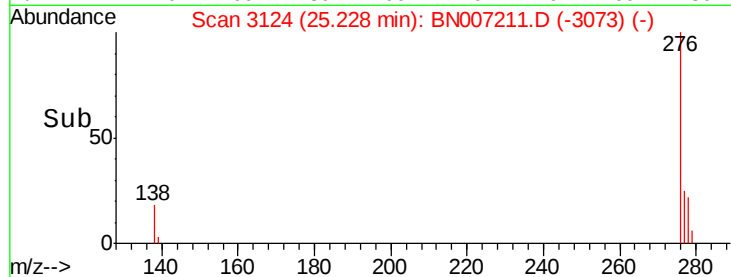
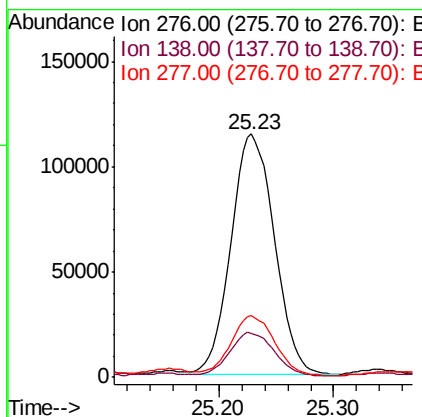
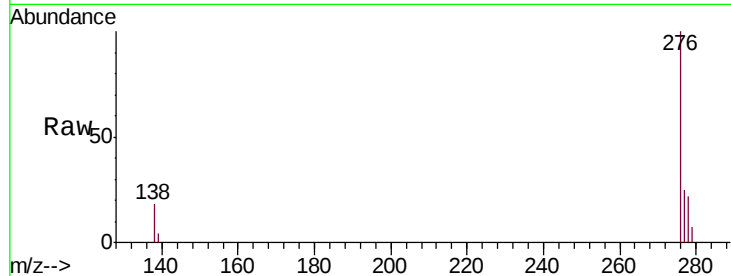
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 1.975 ng
 RT: 25.23 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BN007211.D
 Acq: 15 Aug 2019 23:58

Instrument :
 BNA_N
 ClientSampleId :
 PST-010-SW051-080819

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	18.5	16.0	24.0
277	25.1	19.9	29.9

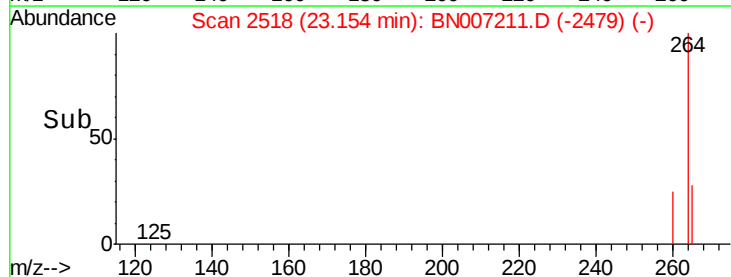
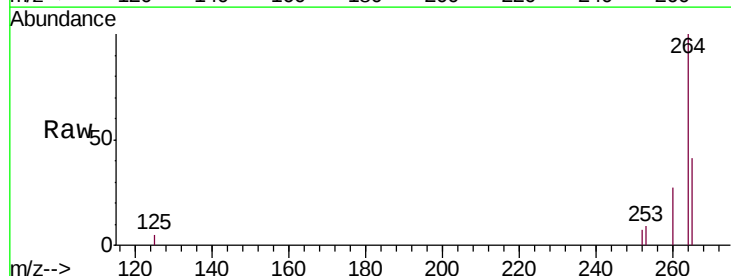
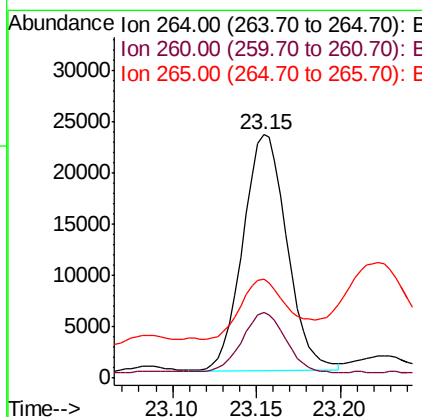
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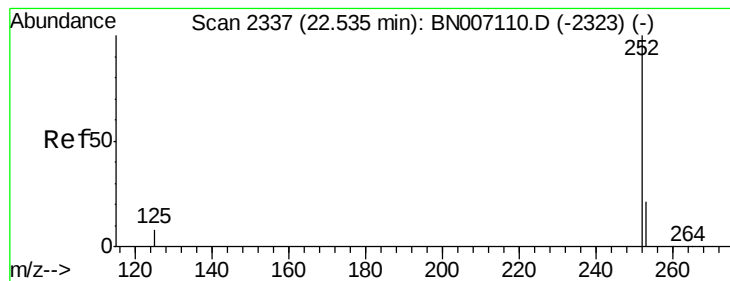
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#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BN007211.D
 Acq: 15 Aug 2019 23:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	26.9	19.8	29.8
265	40.5	26.2	39.4#





#33

Benzo(b)fluoranthene

Concen: 4.399 ng

RT: 22.53 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BN007211.D

Acq: 15 Aug 2019 23:58

Instrument :

BNA_N

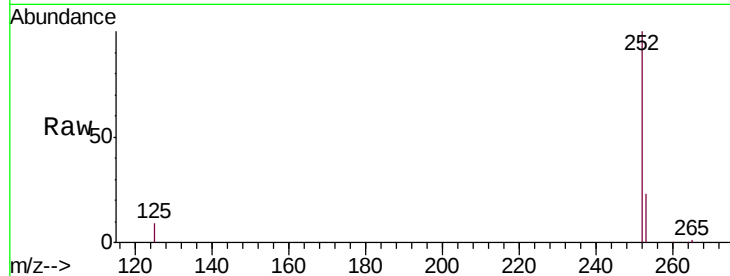
ClientSampleId :

PST-010-SW051-080819

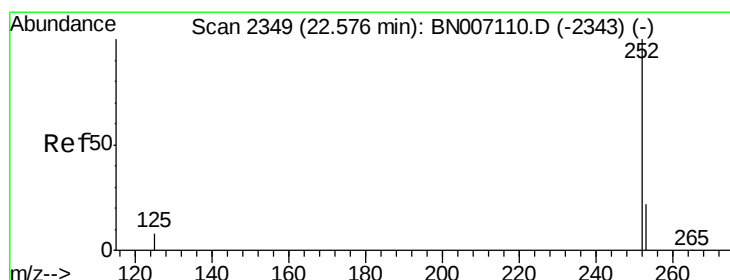
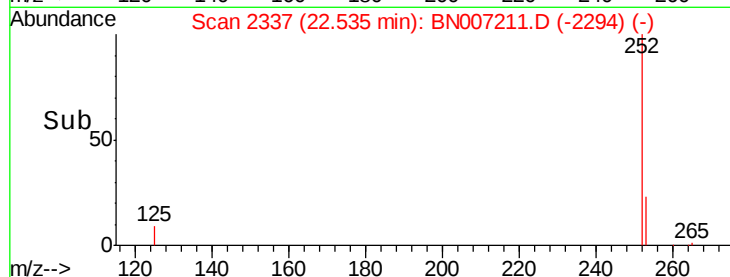
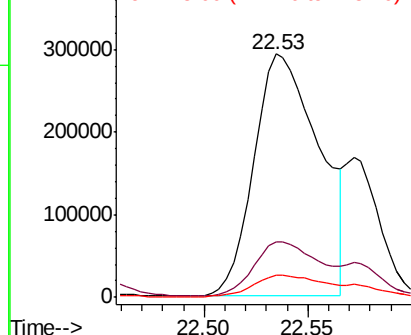
Tgt Ion:	252	Resp:	640693
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.2
125	8.9	7.4	11.0

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#34

Benzo(k)fluoranthene

Concen: 1.338 ng m

RT: 22.57 min Scan# 2348

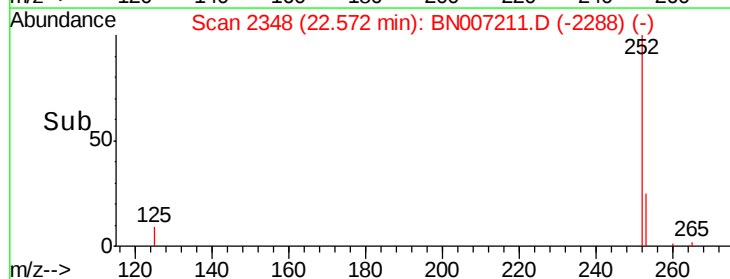
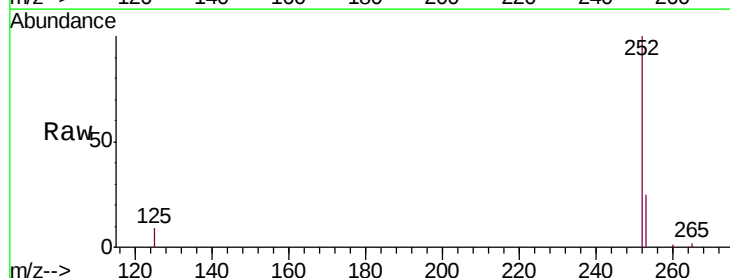
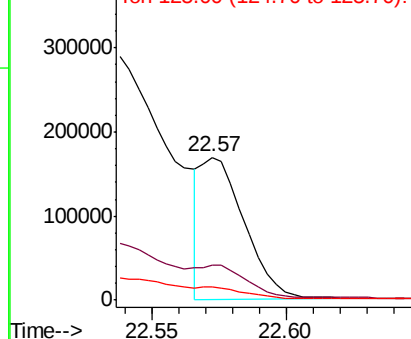
Delta R.T. -0.02 min

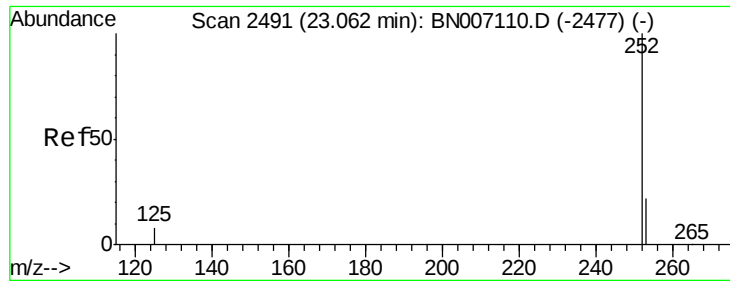
Lab File: BN007211.D

Acq: 15 Aug 2019 23:58

Tgt Ion:	252	Resp:	192421
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.1	27.1
125	9.0	7.4	11.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





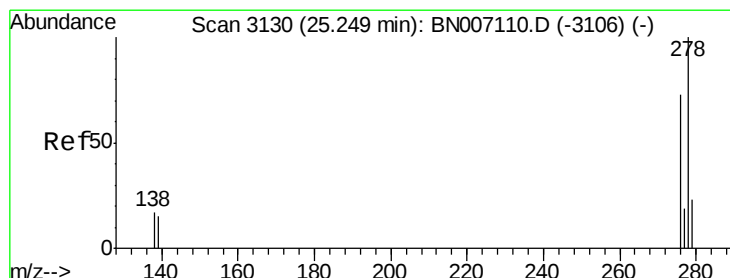
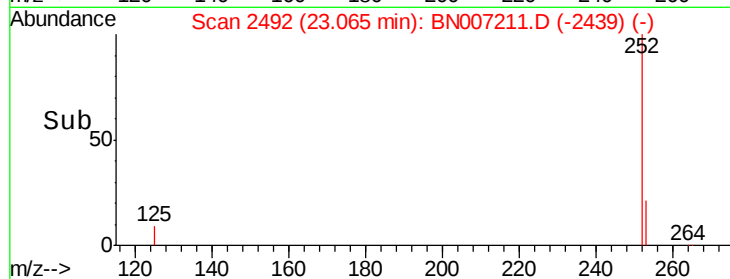
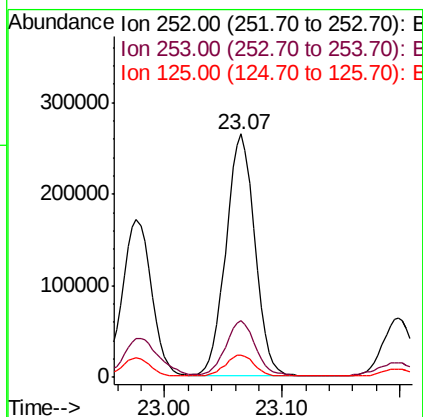
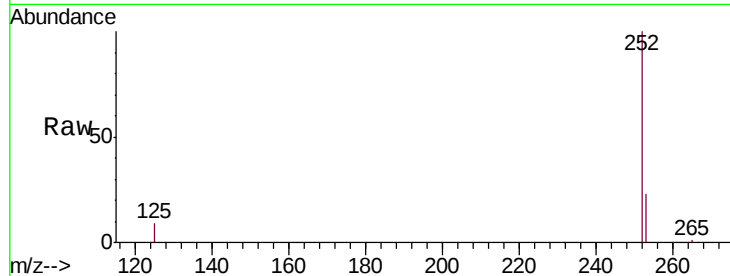
#35
Benzo(a)pyrene
Concen: 3.393 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007211.D
Acq: 15 Aug 2019 23:58

Instrument :
BNA_N
ClientSampleId :
PST-010-SW051-080819

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	9.3	8.2	12.4

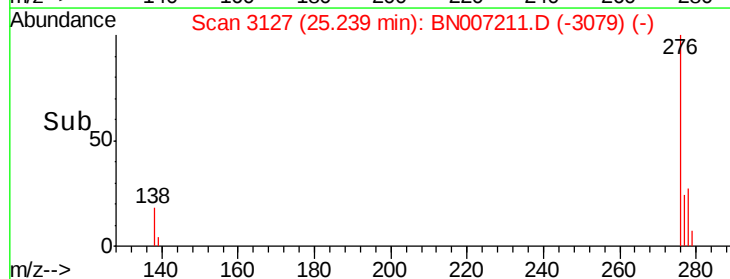
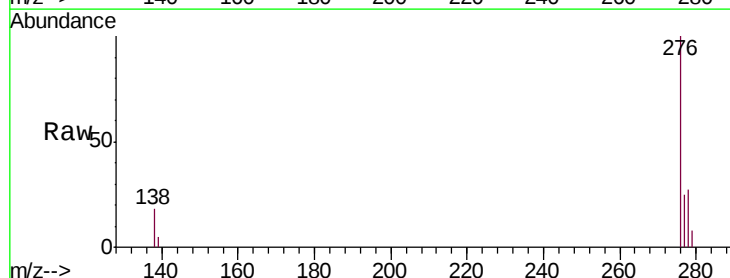
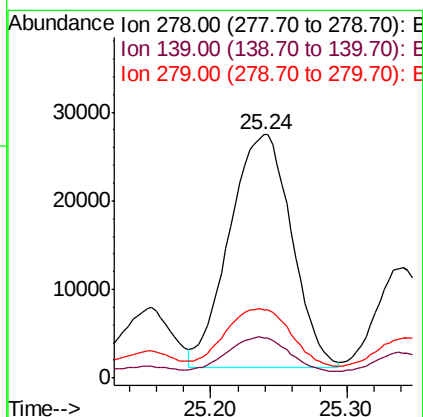
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#36
Dibenzo(a,h)anthracene
Concen: 0.632 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.03 min
Lab File: BN007211.D
Acq: 15 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.5	11.3	16.9
279	28.2	19.3	28.9





#37

Benzo(g,h,i)perylene

Concen: 1.984 ng

RT: 25.86 min Scan# 3308

Delta R.T. -0.02 min

Lab File: BN007211.D

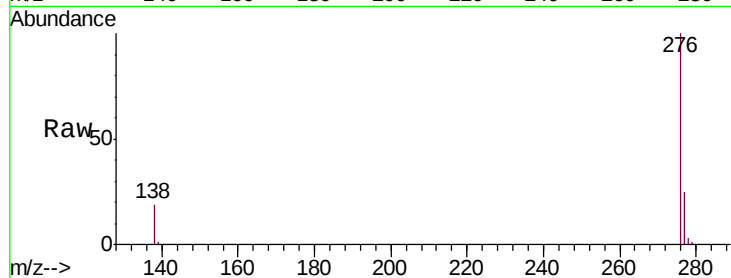
Acq: 15 Aug 2019 23:58

Instrument :

BNA_N

ClientSampleId :

PST-010-SW051-080819



Tgt	Ion	276	Resp	268945
Ion	Ratio	Lower	Upper	
276	100			
277	24.6	19.8	29.8	
138	18.6	14.6	22.0	

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