

Data File : BN007206.D
Acq On : 15 Aug 2019 20:57
Operator : HP/JU
Sample : K4282-02 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-035-B239-080819

Manual Integrations
APPROVED

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8/16/2019 6:11:47 PM

Quant Time: Aug 16 07:28:51 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	7840	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	30126	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	17159	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	39693	0.40	ng	0.00
26) Chrysene-d12	21.03	240	37291	0.40	ng	-0.02
32) Perylene-d12	23.15	264	42099	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	837	0.04	ng	0.00
4) Phenol-d6	6.61	99	1106	0.05	ng	0.00
7) Nitrobenzene-d5	8.55	82	960	0.04	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	1899	0.03	ng	-0.01
13) 2,4,6-Tribromophenol	15.57	330	330	0.04	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	380	0.02	ng	0.00
24) Fluoranthene-d10	18.86	212	5070	0.04	ng	-0.01
28) Terphenyl-d14	19.48	244	3289	0.03	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Naphthalene	10.22	128	12545	0.149	ng	98
11) 2-Methylnaphthalene	11.86	142	12083	0.202	ng	96
15) Acenaphthylene	13.79	152	102561	1.144	ng	99
16) Acenaphthene	14.13	154	6011	0.105	ng	# 92
17) Fluorene	15.12	166	25021	0.291	ng	85
21) Pentachlorophenol	16.48	266	221	0.025	ng	# 91
22) Phenanthrene	16.86	178	369921	3.110	ng	100
23) Anthracene	16.95	178	70573	0.649	ng	98
25) Fluoranthene	18.89	202	402501	2.645	ng	99
27) Pyrene	19.26	202	541305	4.139	ng	98
29) Benzo(a)anthracene	21.02	228	212559m	1.559	ng	
30) Chrysene	21.08	228	264121	1.993	ng	97
31) Indeno(1,2,3-cd)pyrene	25.23	276	123521	0.846	ng	99
33) Benzo(b)fluoranthene	22.53	252	245026	1.697	ng	# 97
34) Benzo(k)fluoranthene	22.57	252	77320m	0.542	ng	
35) Benzo(a)pyrene	23.06	252	191622	1.464	ng	98
36) Dibenzo(a,h)anthracene	25.24	278	35590	0.273	ng	# 75
37) Benzo(g,h,i)perylene	25.86	276	145212	1.081	ng	98

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

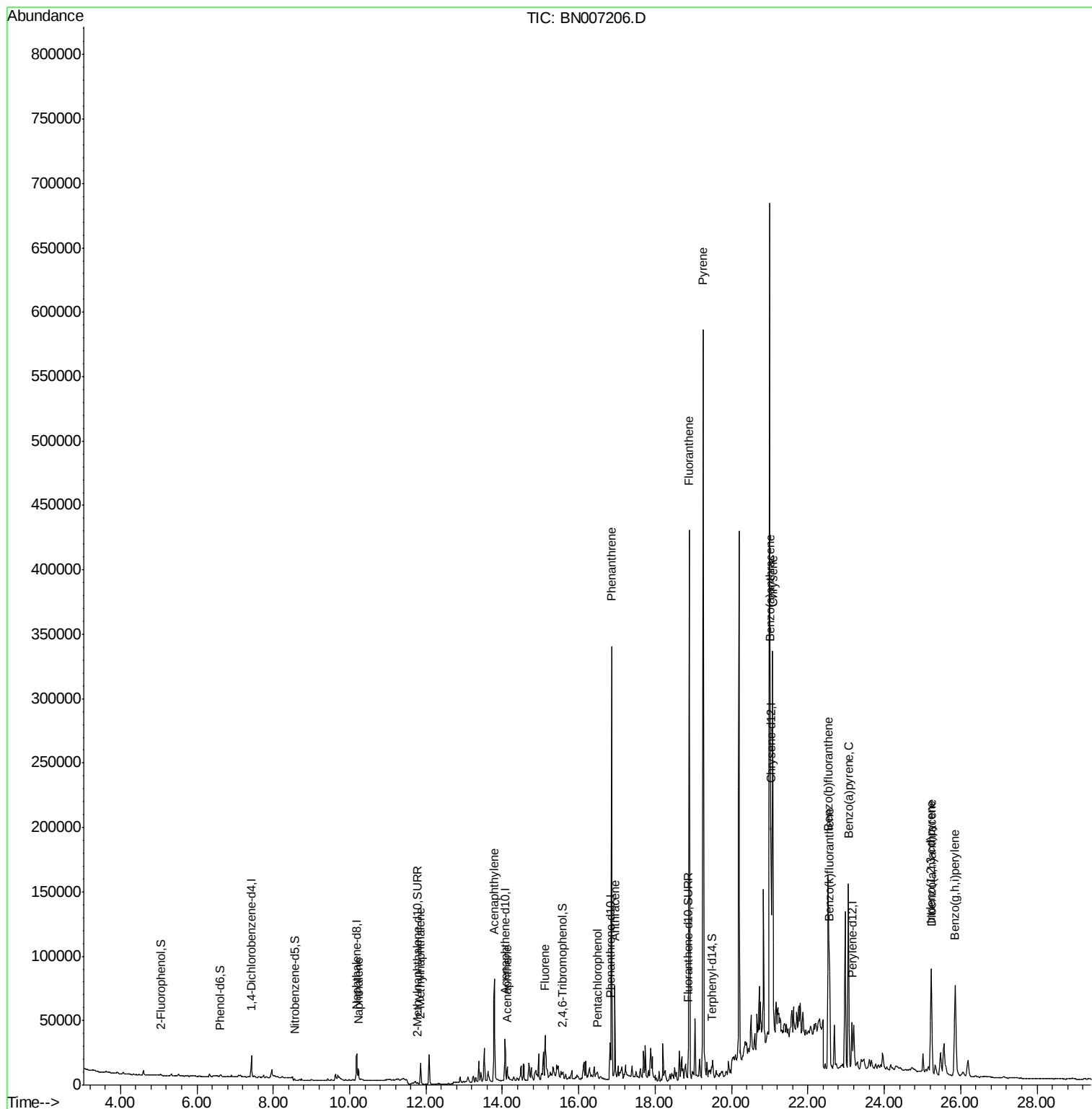
Data File : BN007206.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

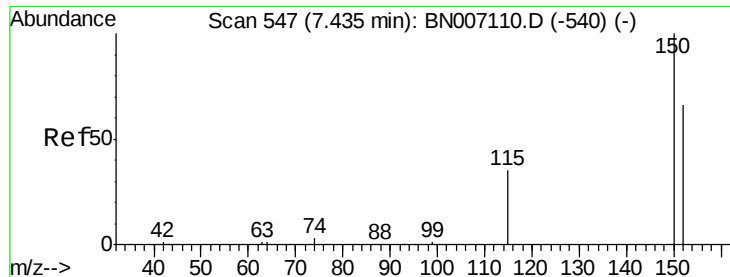
Instrument :
BNA_N
ClientSampleId :
PST-035-B239-080819

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Quant Time: Aug 16 07:28:51 2019
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#1

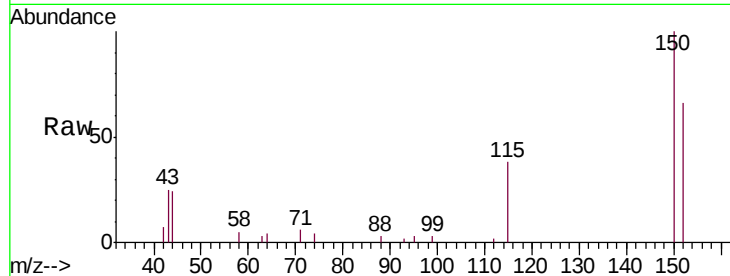
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :
PST-035-B239-080819

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.5	121.7	182.5
115	57.7	46.2	69.4

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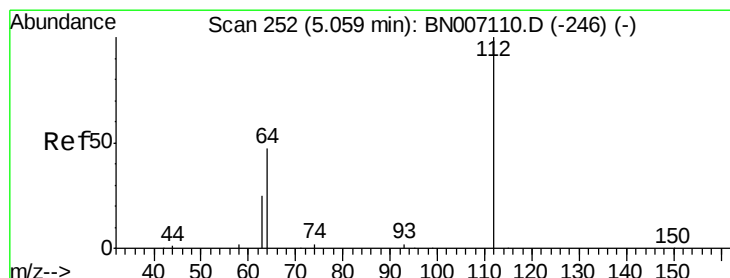
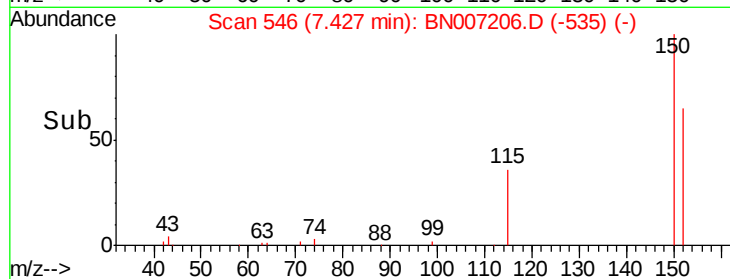
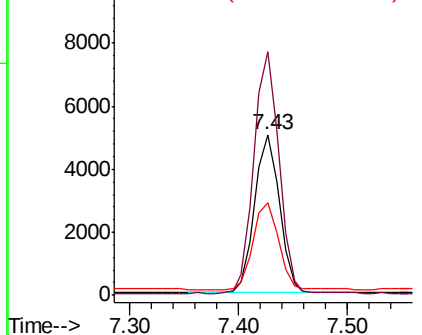


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

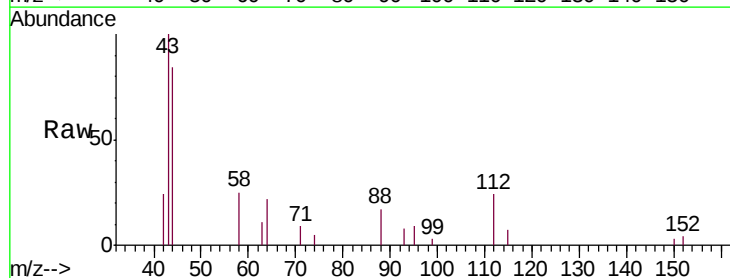
Ion 115.00 (114.70 to 115.70): E



#3

2-Fluorophenol
Concen: 0.044 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	42.6	63.8
63	26.8	22.2	33.2

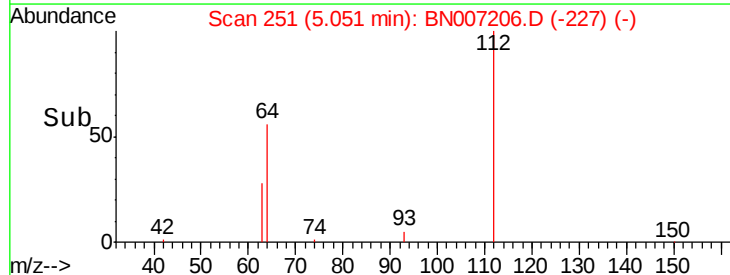
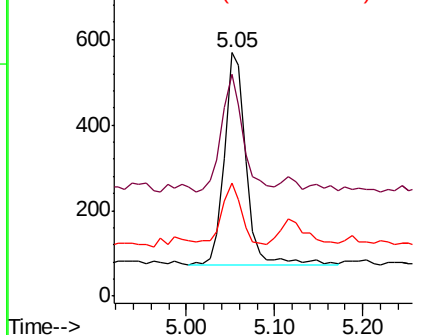


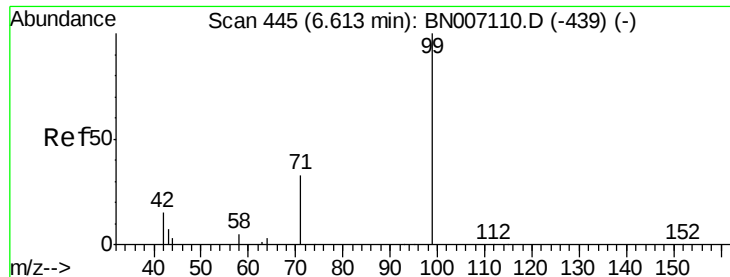
Abundance

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





#4

Phenol-d6

Concen: 0.047 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

Instrument :

BNA_N

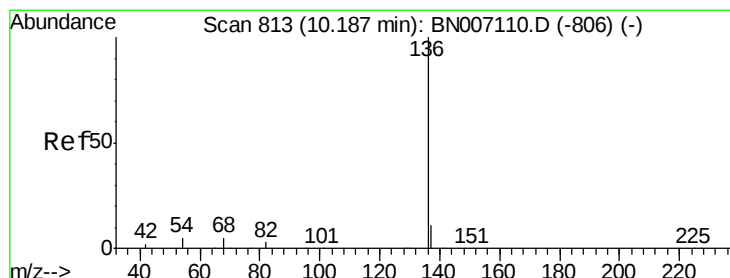
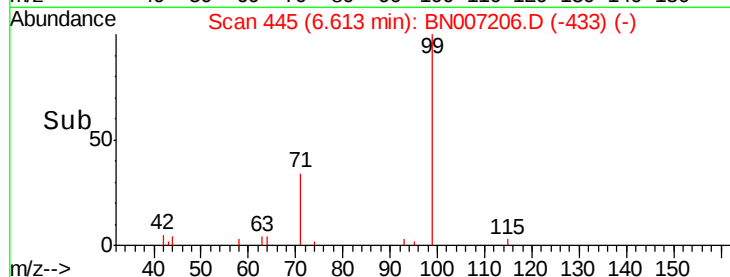
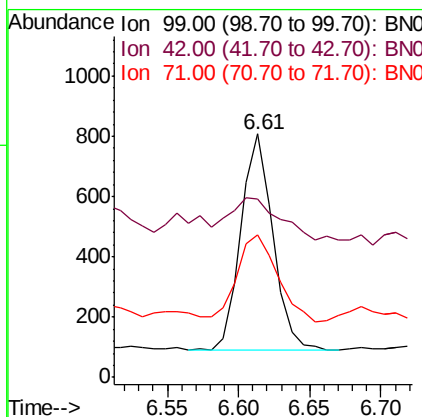
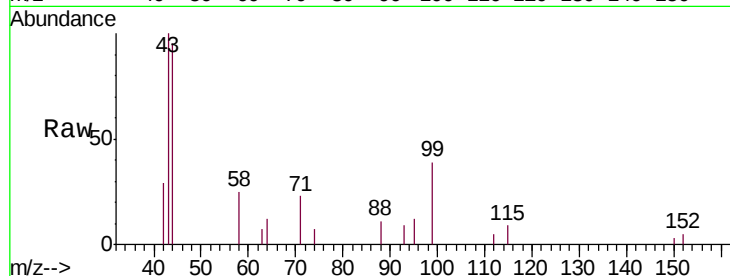
ClientSampleId :

PST-035-B239-080819

Tgt Ion:	99	Resp:	1106
Ion	Ratio	Lower	Upper
99	100		
42	31.2	15.8	23.6#
71	50.3	27.0	40.4#

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#6

Naphthalene-d8

Concen: 0.400 ng

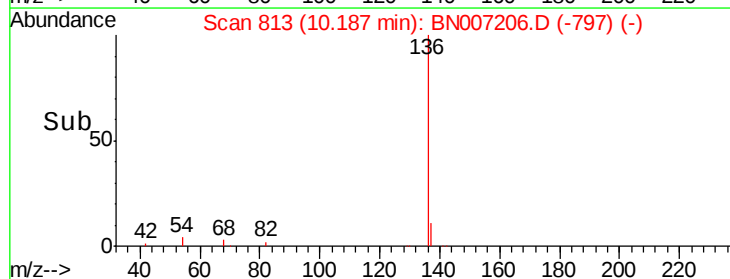
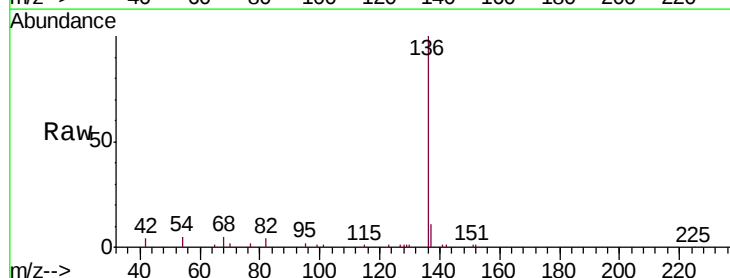
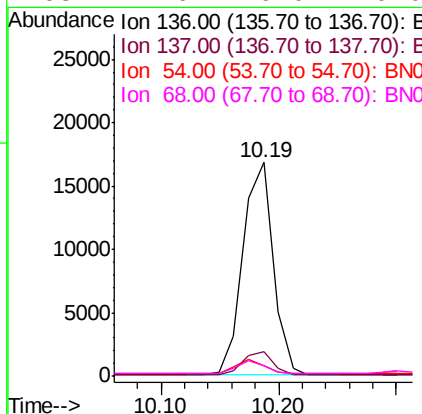
RT: 10.19 min Scan# 813

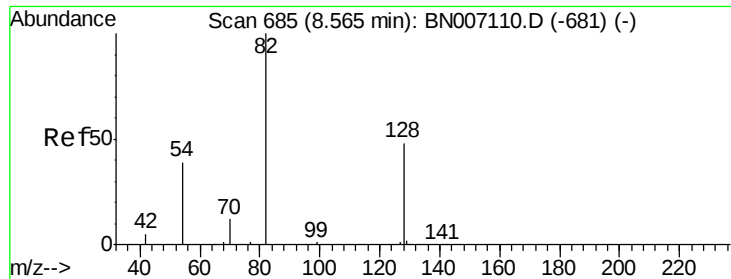
Delta R.T. -0.00 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

Tgt Ion:	136	Resp:	30126
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	4.7	6.6	9.8#
68	4.6	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.040 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

Instrument :

BNA_N

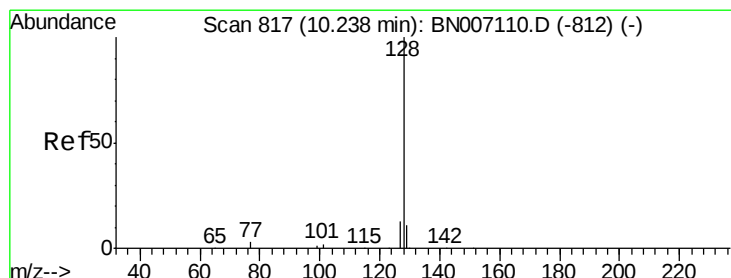
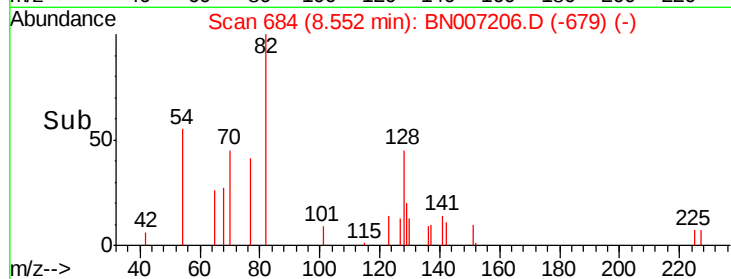
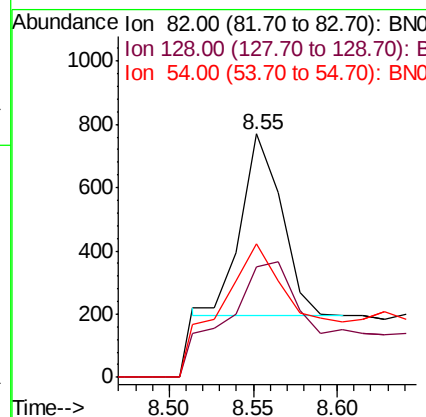
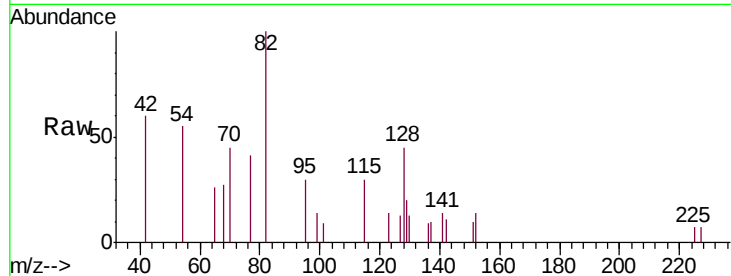
ClientSampleId :

PST-035-B239-080819

Tgt Ion:	82	Resp:	960
Ion Ratio	Lower	Upper	
82	100		
128	45.3	34.6	51.8
54	55.1	36.2	54.4#

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#8

Naphthalene

Concen: 0.149 ng

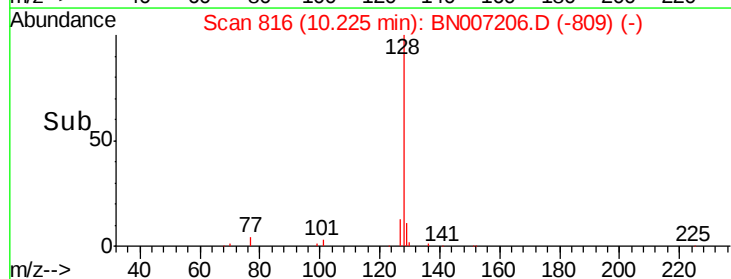
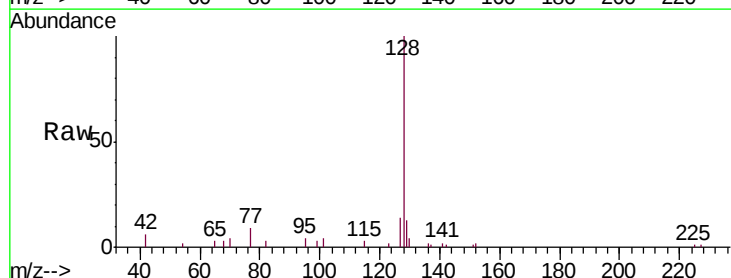
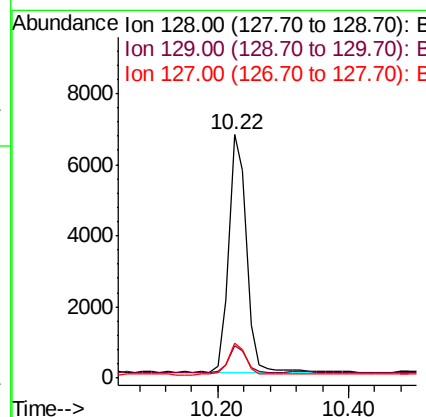
RT: 10.22 min Scan# 816

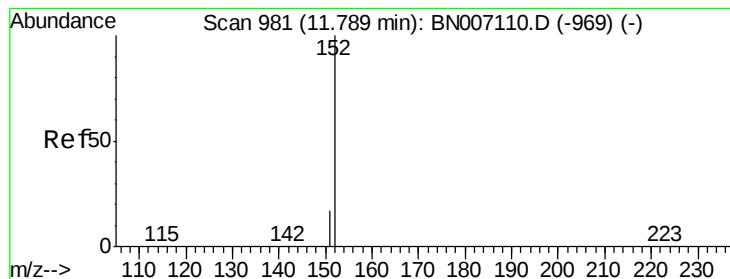
Delta R.T. -0.01 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

Tgt Ion:	128	Resp:	12545
Ion Ratio	Lower	Upper	
128	100		
129	13.1	9.4	14.2
127	14.5	11.0	16.6





#10

2-Methylnaphthalene-d10

Concen: 0.034 ng

RT: 11.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

Instrument :

BNA_N

ClientSampleId :

PST-035-B239-080819

Tgt Ion:152 Resp: 1899

Ion Ratio Lower Upper

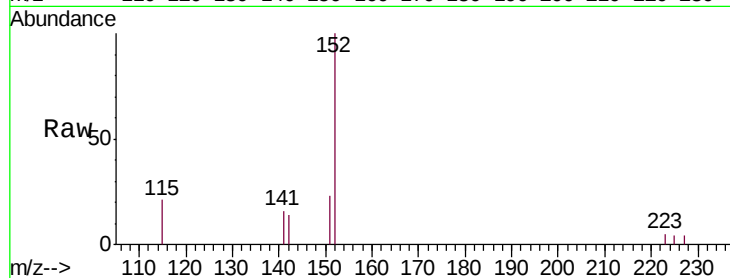
152 100

151 20.4 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

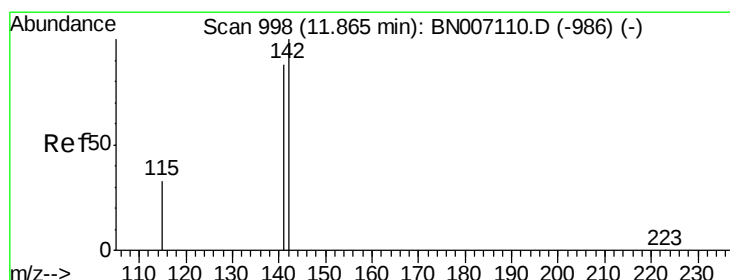
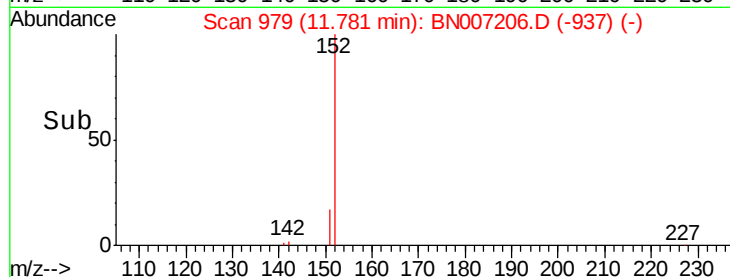
11.78

1000

500

0

Time-->



#11

2-Methylnaphthalene

Concen: 0.202 ng

RT: 11.86 min Scan# 996

Delta R.T. -0.01 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

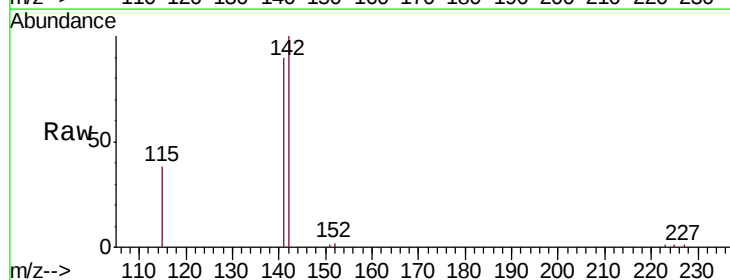
Tgt Ion:142 Resp: 12083

Ion Ratio Lower Upper

142 100

141 89.5 69.0 103.6

115 37.9 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

10000

8000

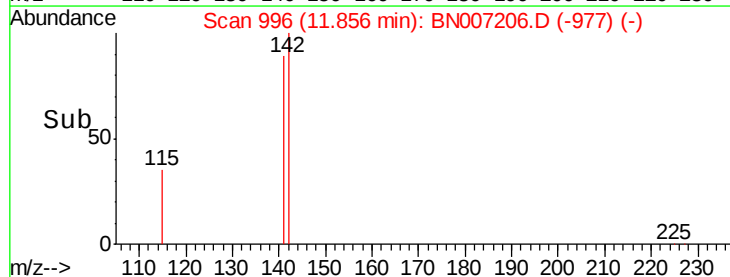
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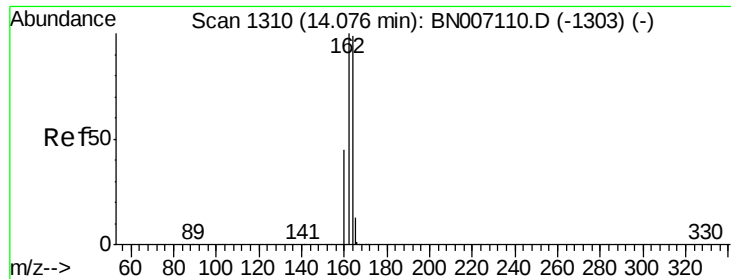
4000

2000

0

Time-->





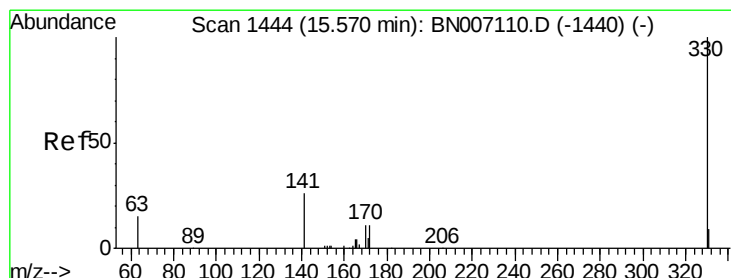
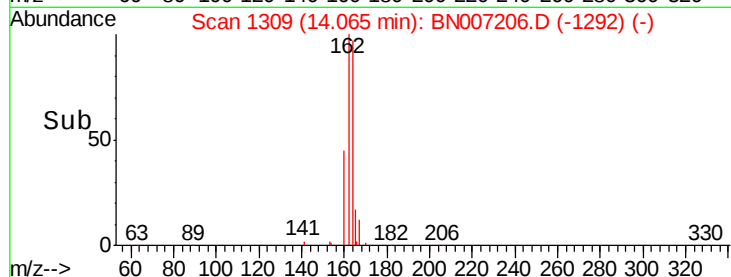
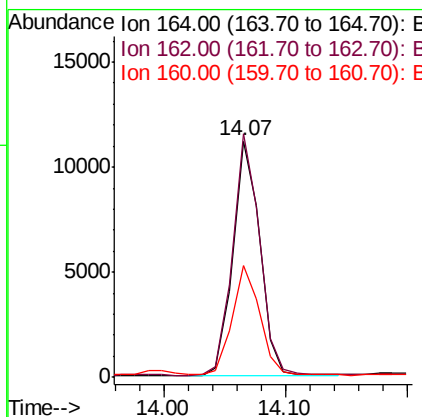
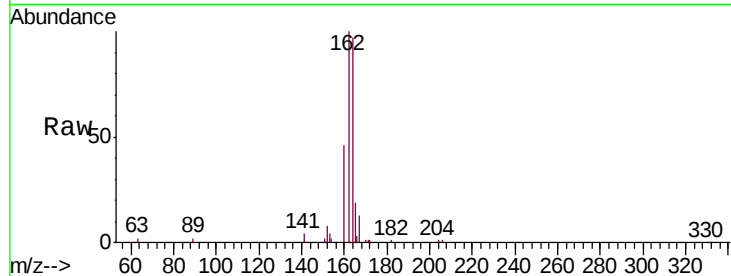
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :
PST-035-B239-080819

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.2	123.4
160	47.6	38.3	57.5

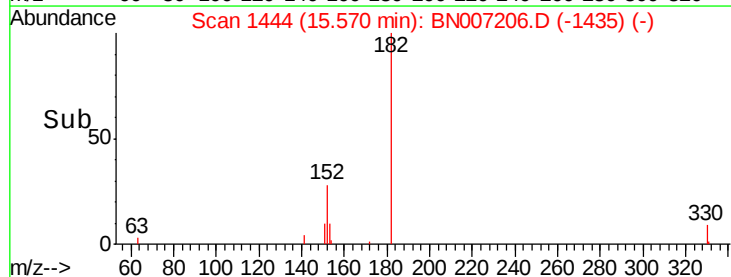
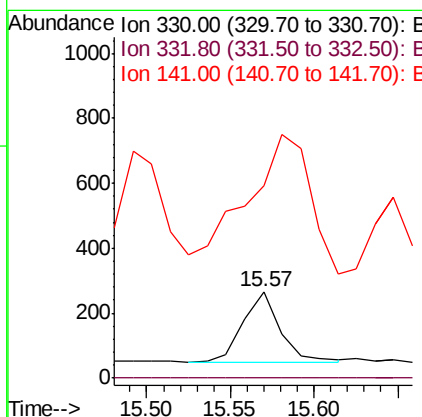
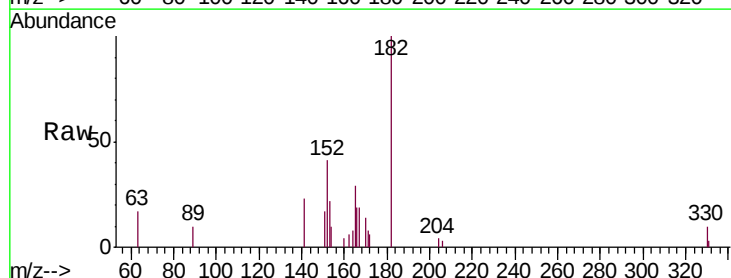
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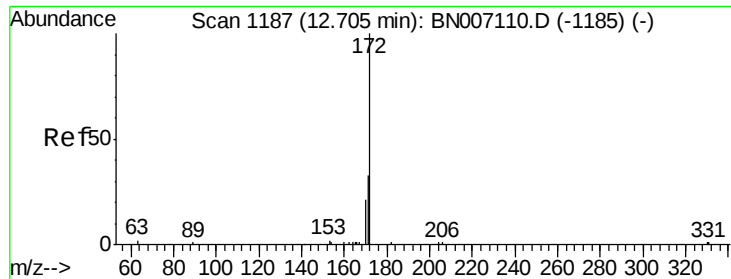
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#13
2,4,6-Tribromophenol
Concen: 0.036 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	348.2	33.6	50.4#





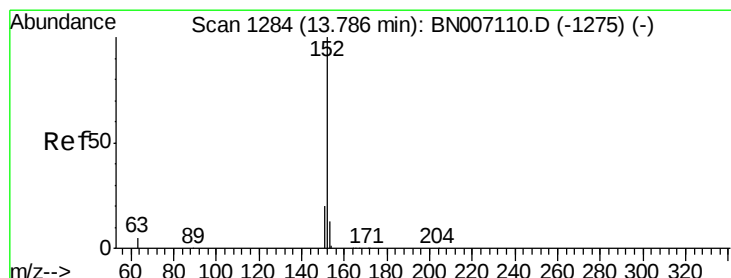
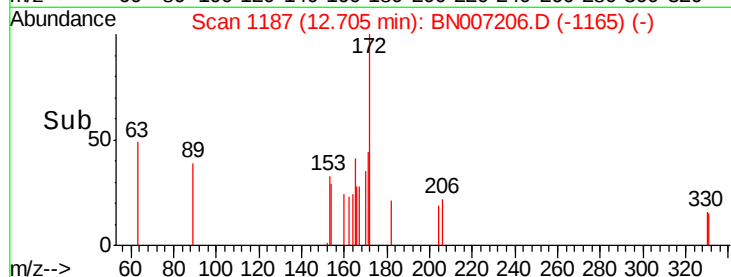
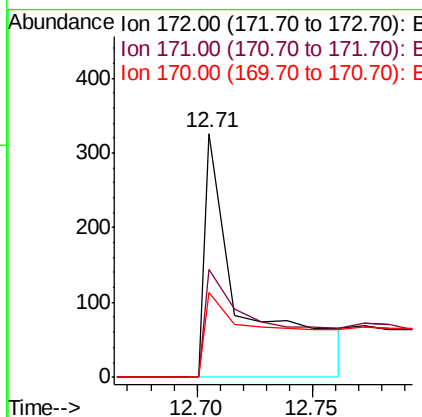
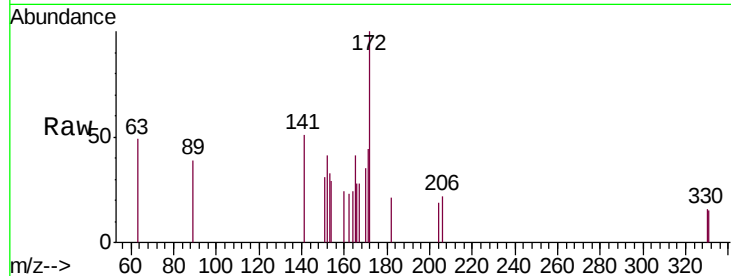
#14
2-Fluorobiphenyl
Concen: 0.015 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :
PST-035-B239-080819

Tgt Ion	Ratio	Lower	Upper
172	100		
171	44.2	26.3	39.5#
170	35.0	17.0	25.4#

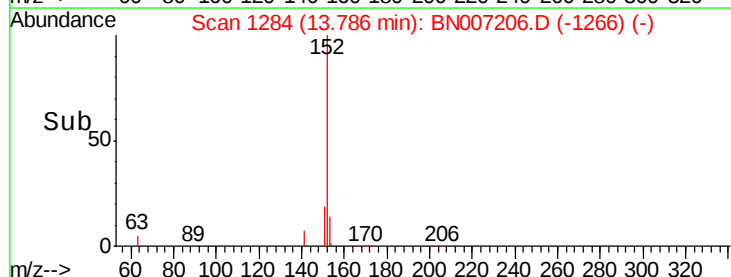
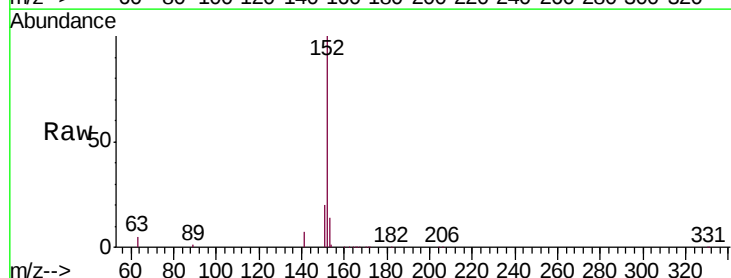
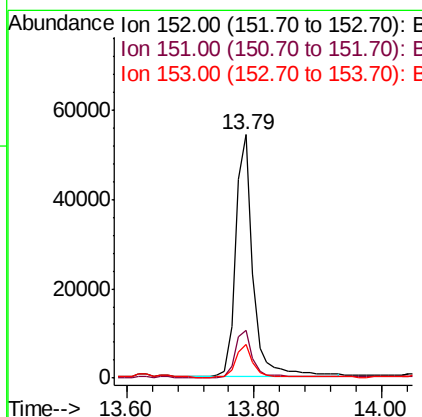
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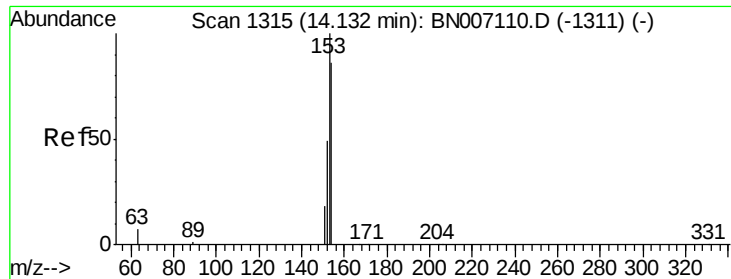
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#15
Acenaphthylene
Concen: 1.144 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.4	10.4	15.6





#16

Acenaphthene

Concen: 0.105 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

Instrument :

BNA_N

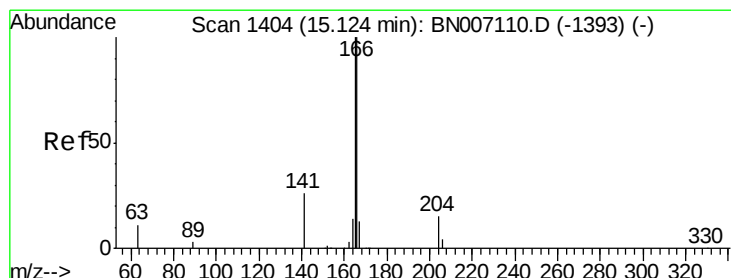
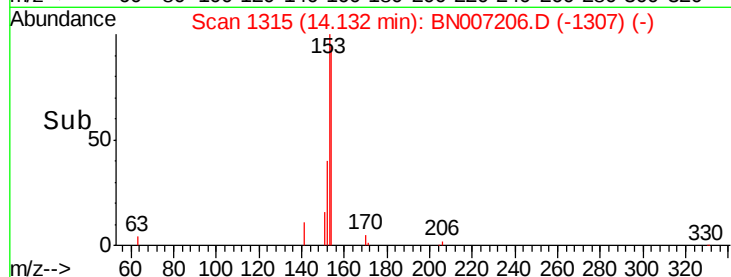
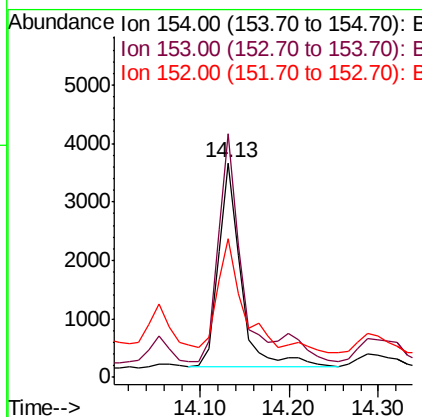
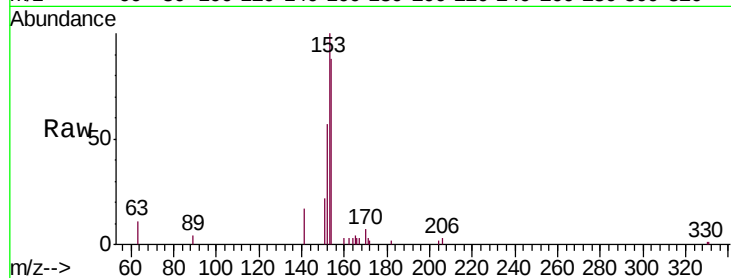
ClientSampleId :

PST-035-B239-080819

Tgt Ion:	154	Resp:	6011
Ion Ratio	Lower	Upper	
154	100		
153	109.2	89.5	134.3
152	69.0	44.8	67.2#

Manual Integrations
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#17

Fluorene

Concen: 0.291 ng

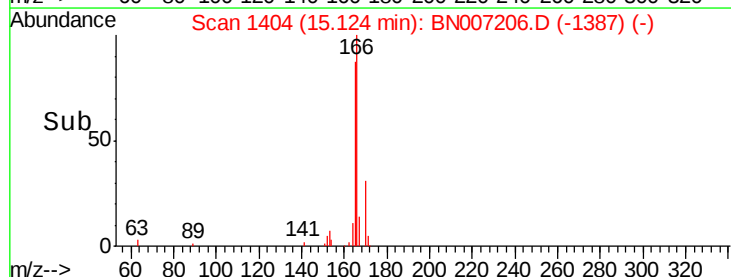
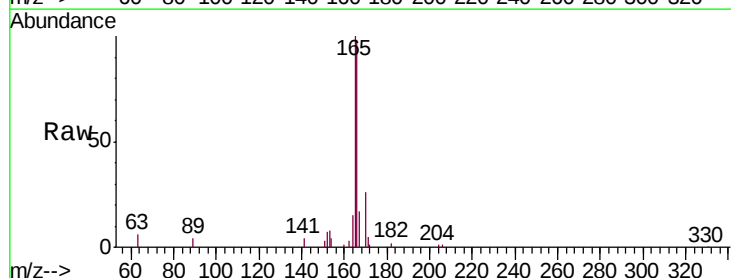
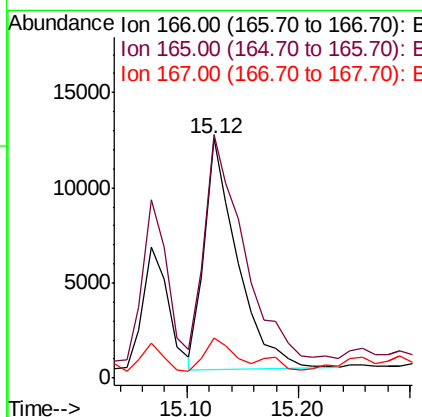
RT: 15.12 min Scan# 1404

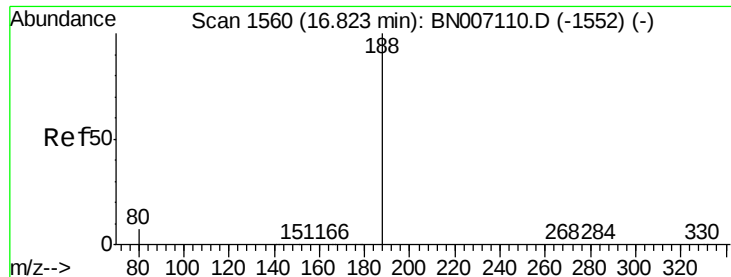
Delta R.T. -0.01 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

Tgt Ion:	166	Resp:	25021
Ion Ratio	Lower	Upper	
166	100		
165	113.6	77.9	116.9
167	13.3	10.9	16.3





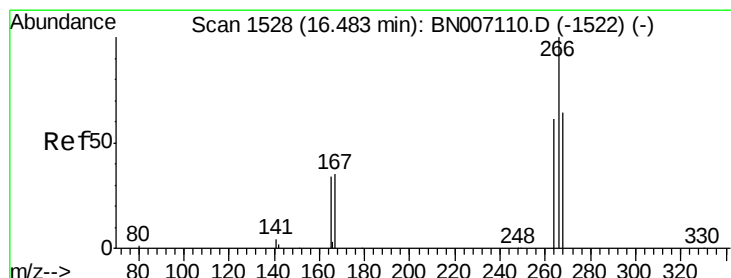
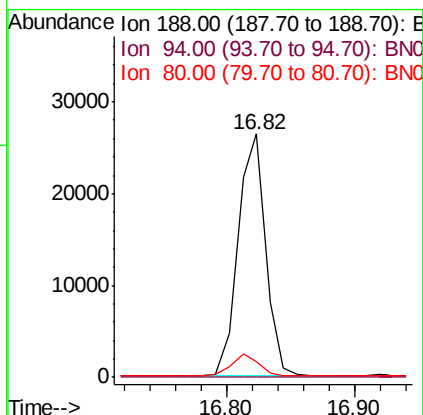
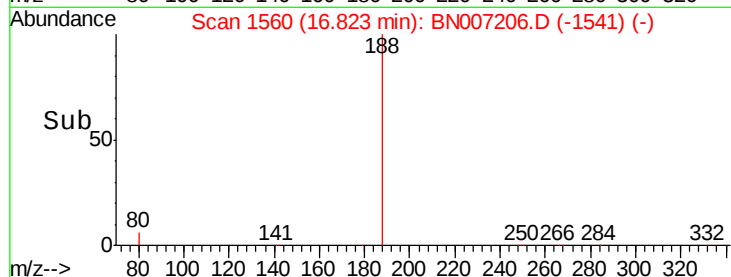
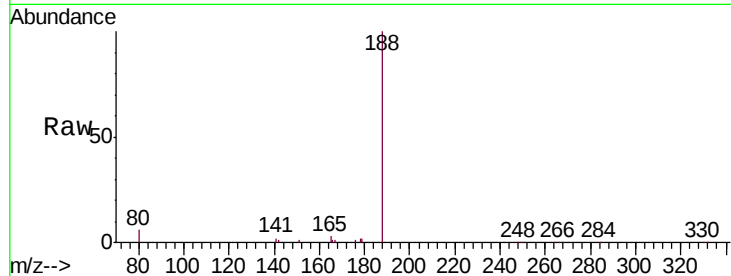
#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007206.D
 Acq: 15 Aug 2019 20:57

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B239-080819

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

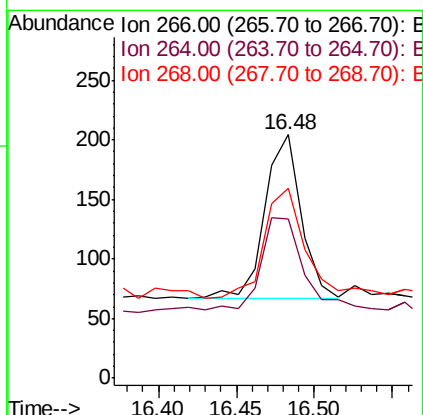
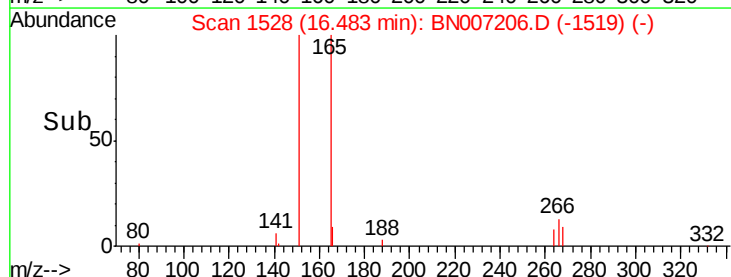
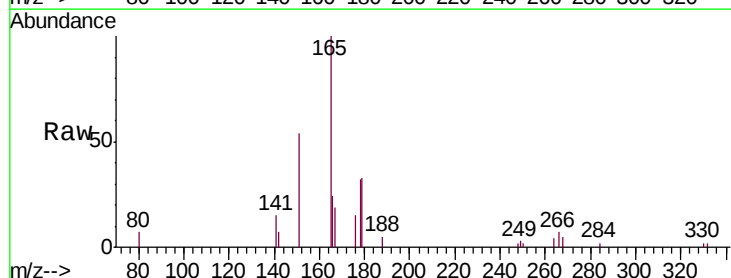
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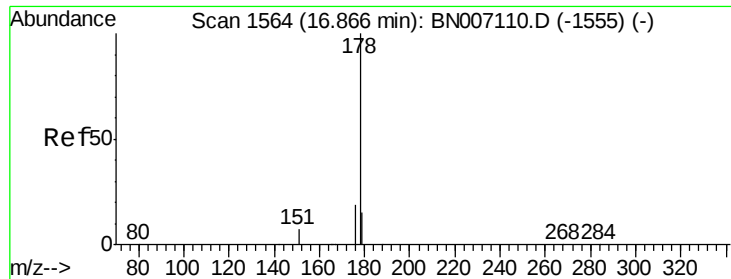
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#21
 Pentachlorophenol
 Concen: 0.025 ng
 RT: 16.48 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: BN007206.D
 Acq: 15 Aug 2019 20:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
264	65.7	52.3	78.5
268	77.9	51.5	77.3#





#22

Phenanthrene

Concen: 3.110 ng

RT: 16.86 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

Instrument :

BNA_N

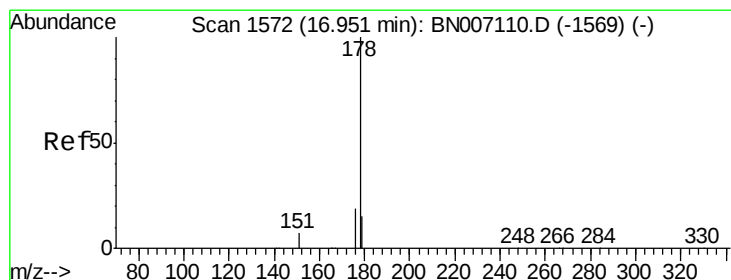
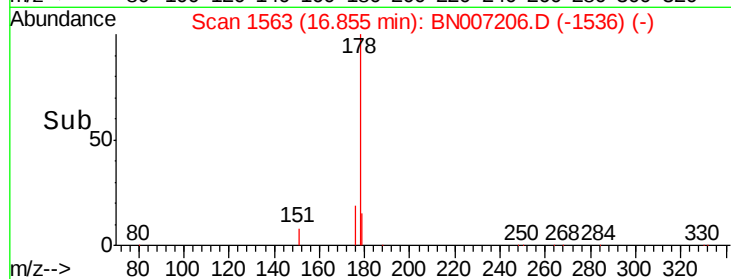
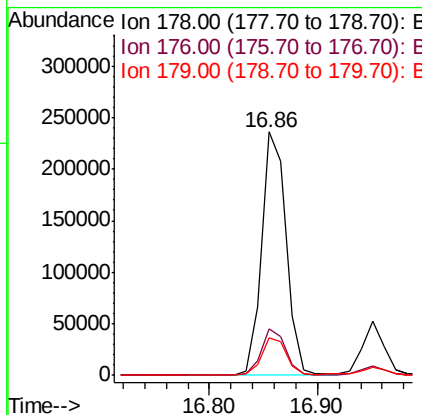
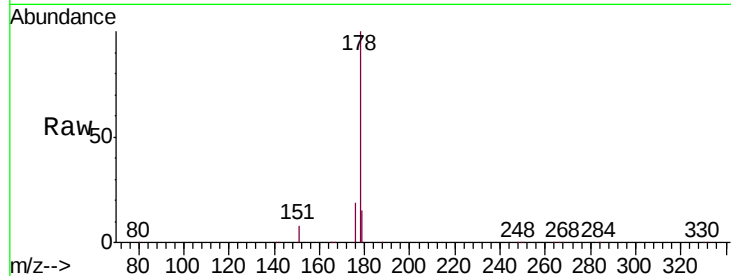
ClientSampleId :

PST-035-B239-080819

Tgt Ion:	178	Resp:	369921
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	15.6	12.3	18.5

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#23

Anthracene

Concen: 0.649 ng

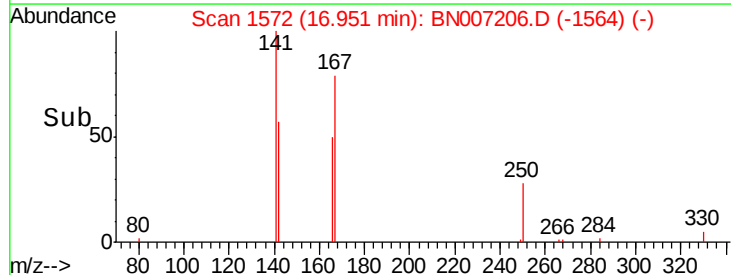
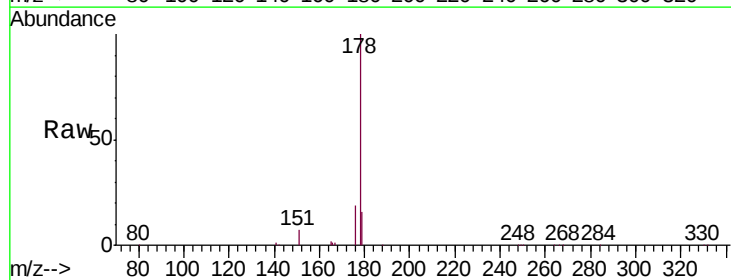
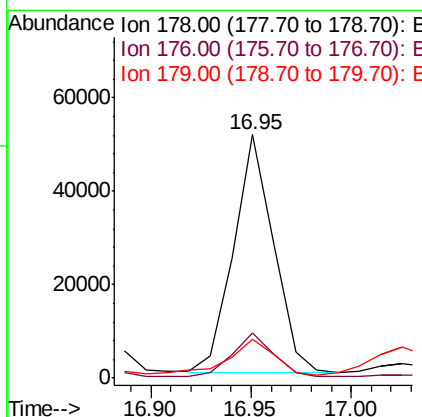
RT: 16.95 min Scan# 1572

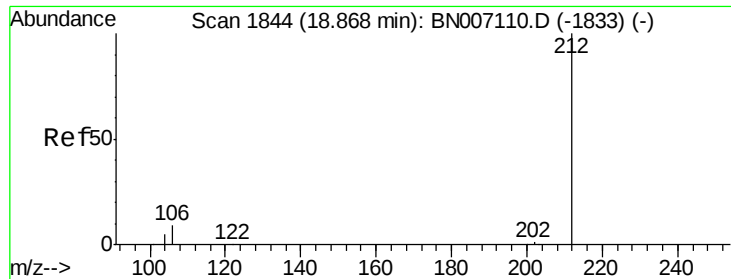
Delta R.T. -0.01 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

Tgt Ion:	178	Resp:	70573
Ion Ratio	Lower	Upper	
178	100		
176	18.4	14.6	21.8
179	16.8	12.5	18.7





#24

Fluoranthene-d10

Concen: 0.036 ng

RT: 18.86 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

Instrument :

BNA_N

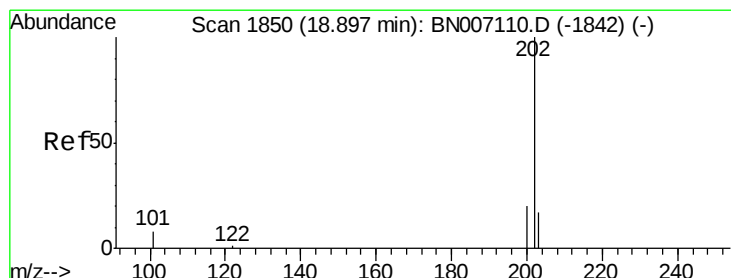
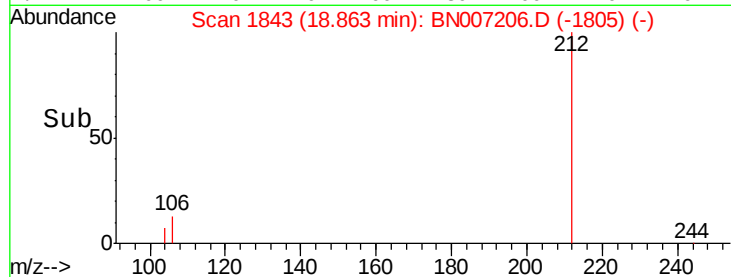
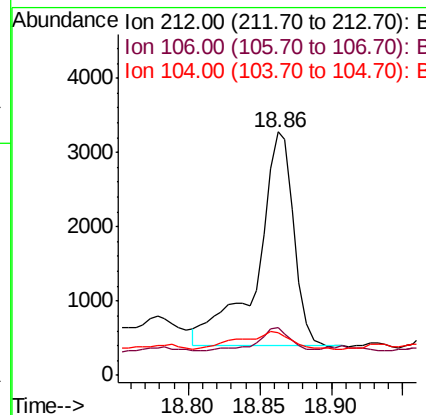
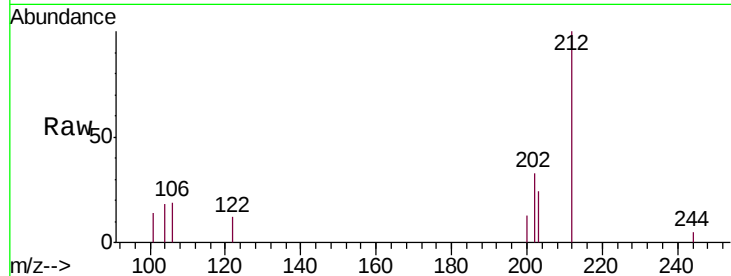
ClientSampleId :

PST-035-B239-080819

Tgt Ion:	212	Resp:	5070
Ion Ratio	Lower	Upper	
212	100		
106	9.3	8.2	12.2
104	11.4	4.5	6.7#

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#25

Fluoranthene

Concen: 2.645 ng

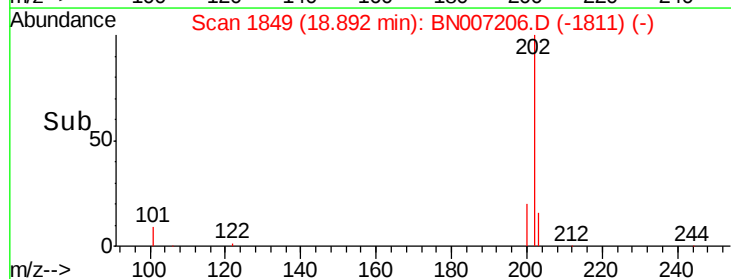
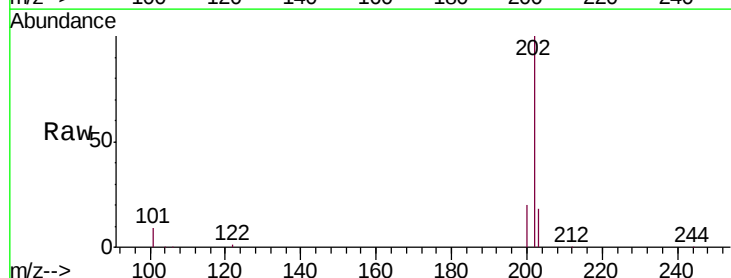
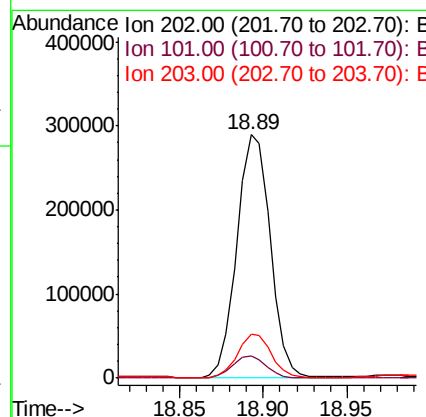
RT: 18.89 min Scan# 1849

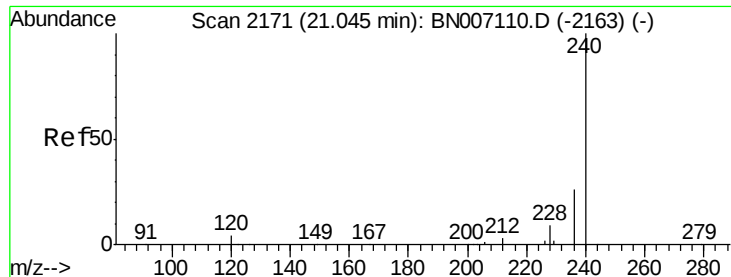
Delta R.T. -0.01 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

Tgt Ion:	202	Resp:	402501
Ion Ratio	Lower	Upper	
202	100		
101	9.0	7.0	10.4
203	17.9	13.8	20.8





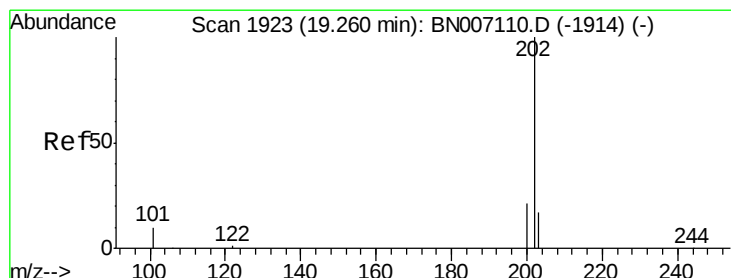
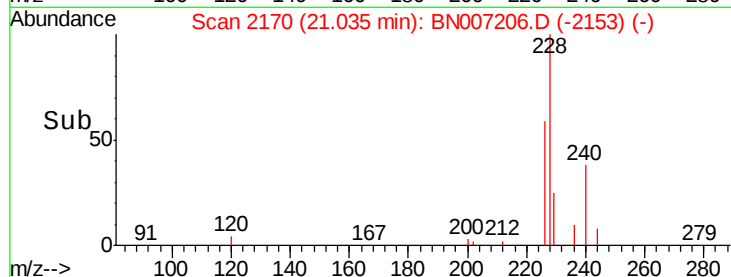
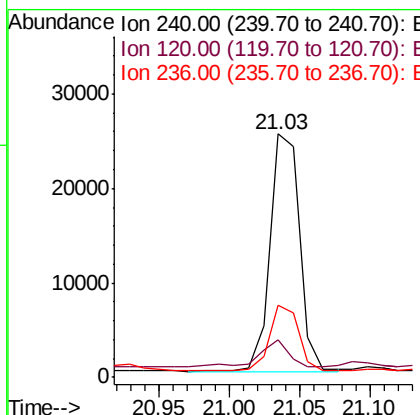
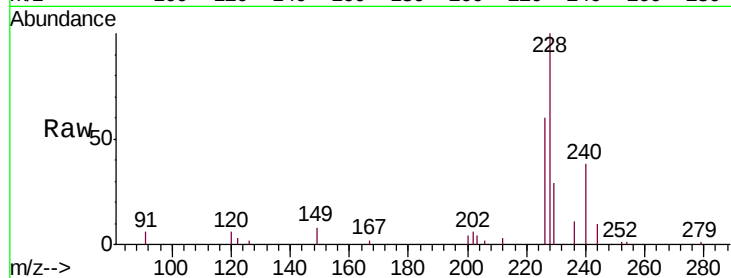
#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :
PST-035-B239-080819

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.4	4.0	6.0#
236	29.7	21.3	31.9

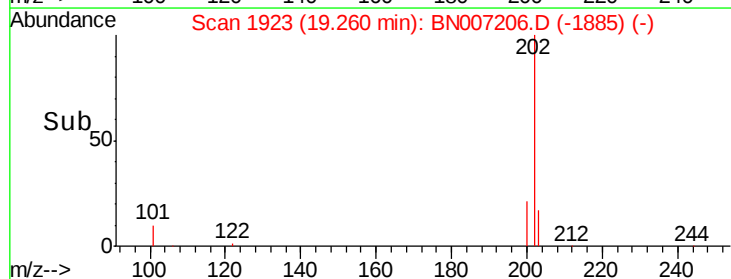
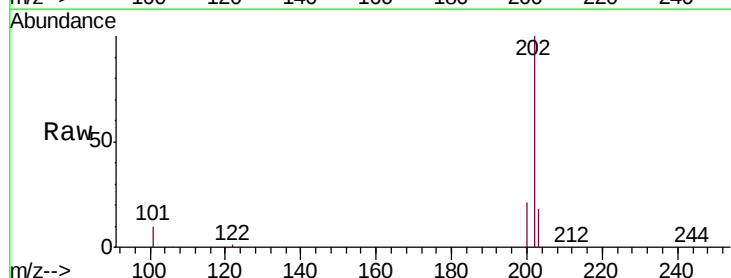
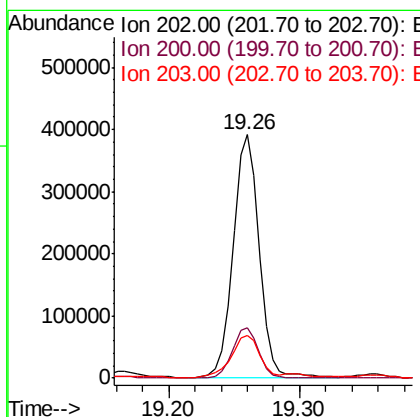
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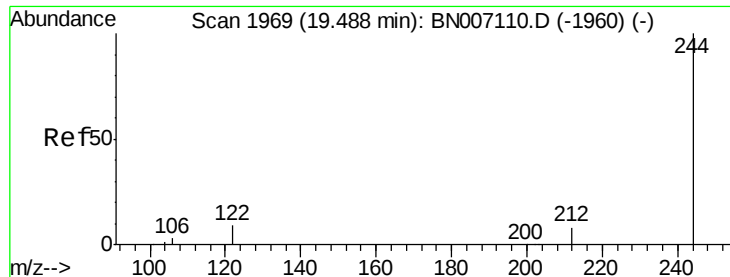
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#27
Pyrene
Concen: 4.139 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	19.0	14.0	21.0





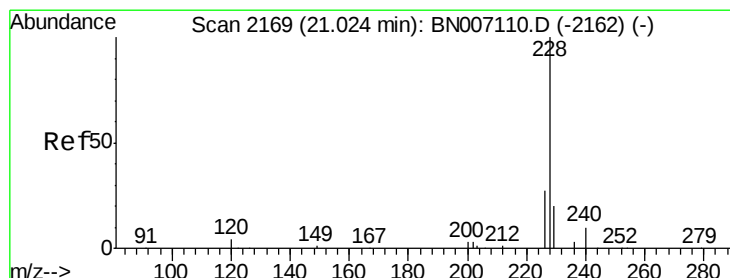
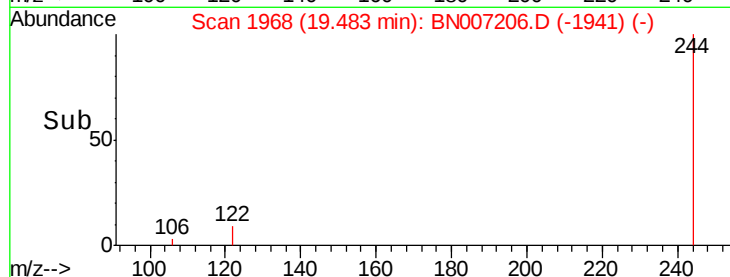
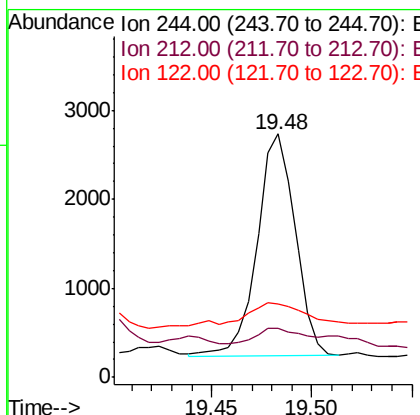
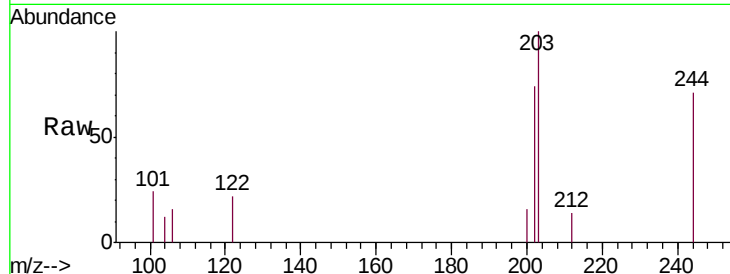
#28
 Terphenyl-d14
 Concen: 0.032 ng
 RT: 19.48 min Scan# 1968
 Delta R.T. -0.02 min
 Lab File: BN007206.D
 Acq: 15 Aug 2019 20:57

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B239-080819

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	3289		
212	20.3	6.2	9.2#	
122	30.4	7.4	11.2#	

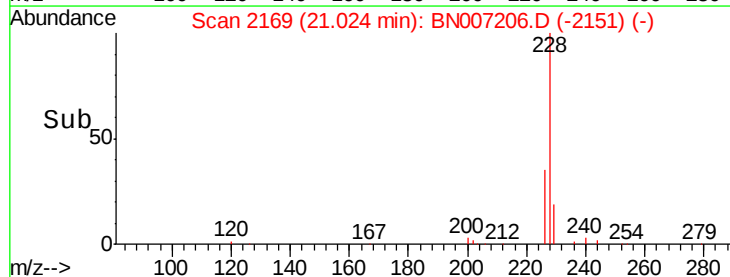
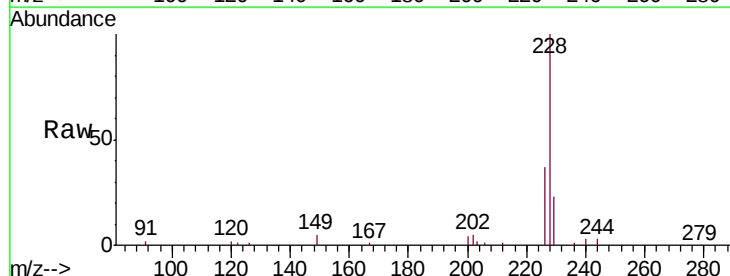
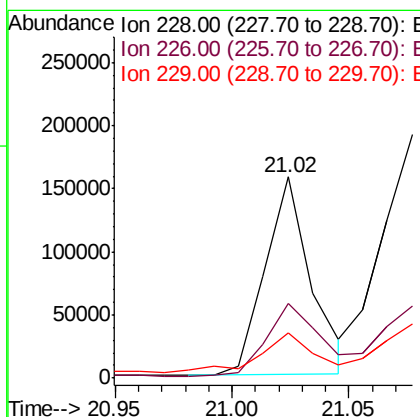
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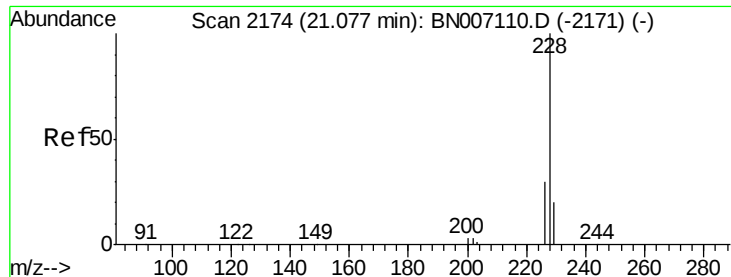
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#29
 Benzo(a)anthracene
 Concen: 1.559 ng m
 RT: 21.02 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BN007206.D
 Acq: 15 Aug 2019 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	212559		
226	37.1	21.8	32.6#	
229	22.7	15.6	23.4	





#30

Chrysene

Concen: 1.993 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007206.D

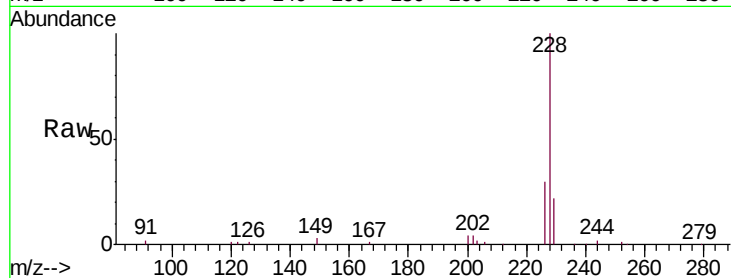
Acq: 15 Aug 2019 20:57

Instrument :

BNA_N

ClientSampleId :

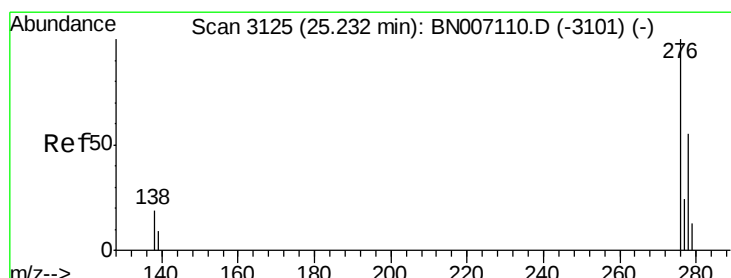
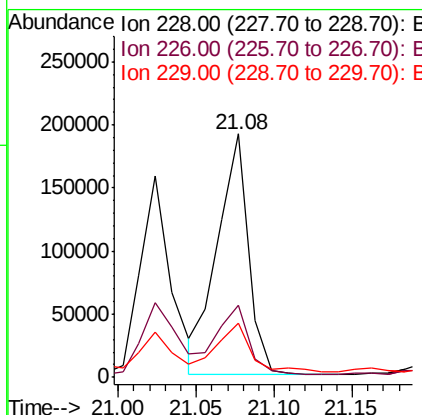
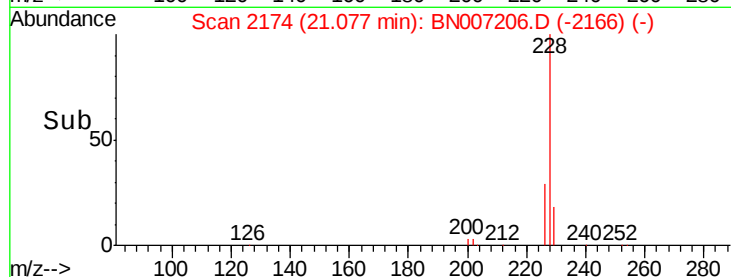
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Tgt Ion:	228	Resp:	264121
Ion Ratio	Lower	Upper	
228	100		
226	29.7	23.8	35.6
229	22.4	15.7	23.5

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#31

Indeno(1,2,3-cd)pyrene

Concen: 0.846 ng

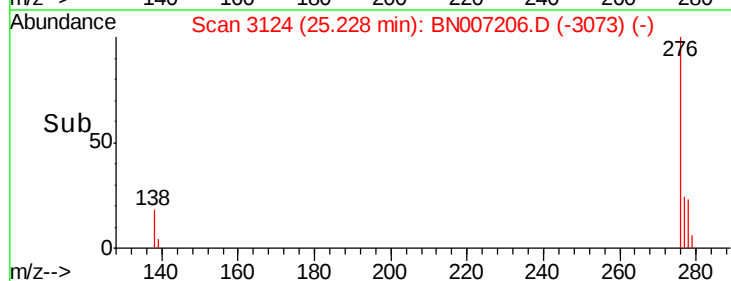
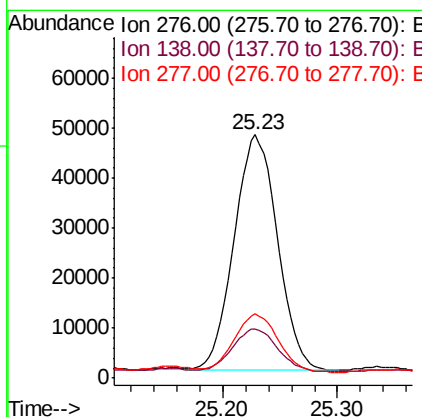
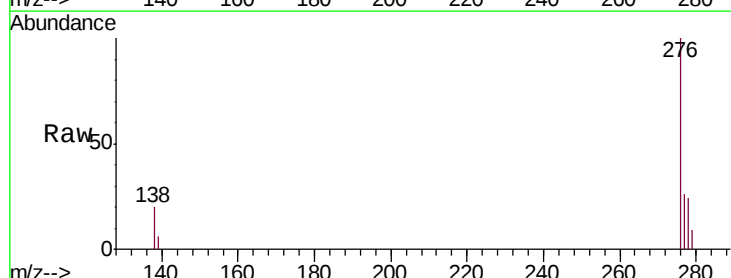
RT: 25.23 min Scan# 3124

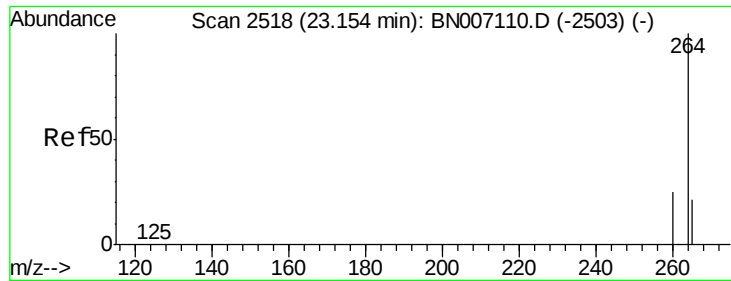
Delta R.T. -0.02 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

Tgt Ion:	276	Resp:	123521
Ion Ratio	Lower	Upper	
276	100		
138	18.8	16.0	24.0
277	25.1	19.9	29.9





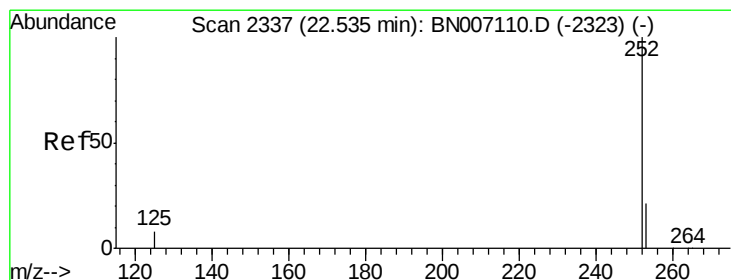
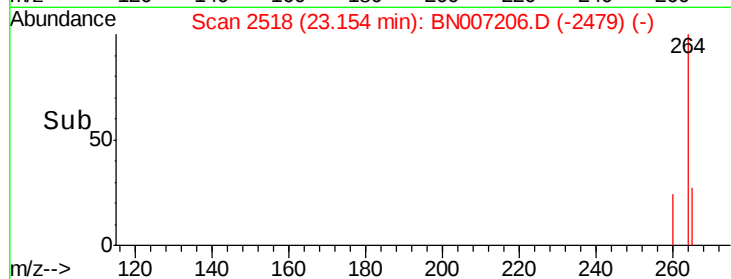
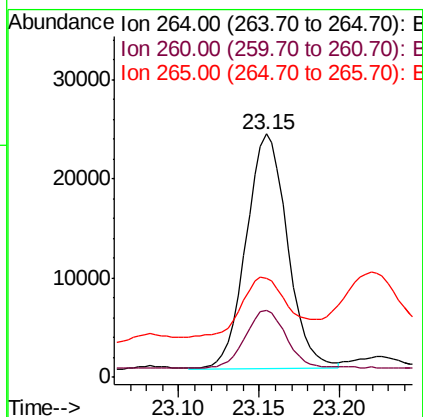
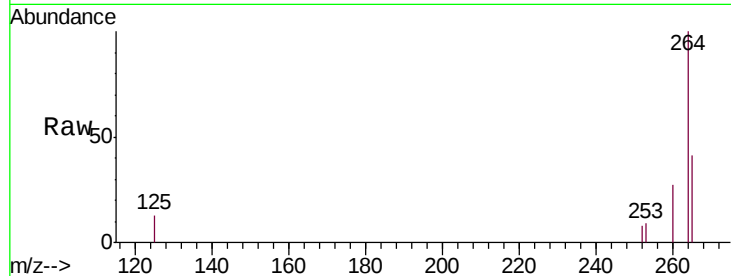
#32
Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BN007206.D
 Acq: 15 Aug 2019 20:57

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B239-080819

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	42099		
260	27.4	19.8	29.8	
265	40.9	26.2	39.4	

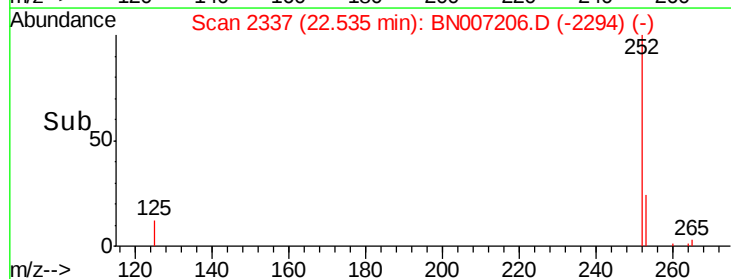
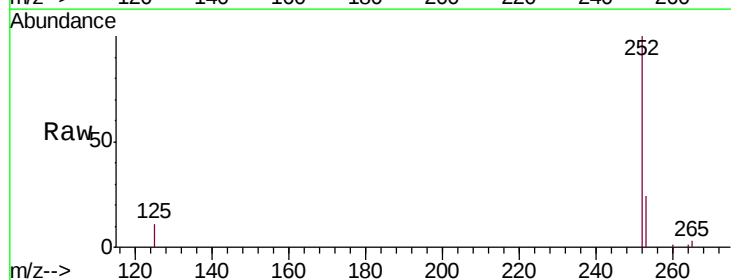
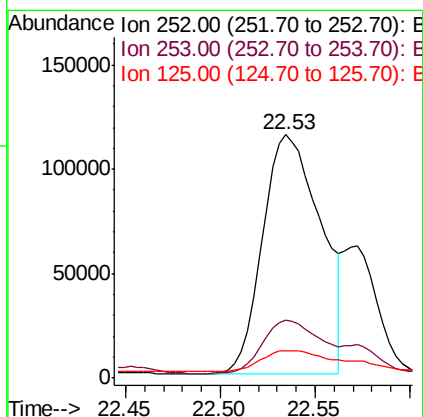
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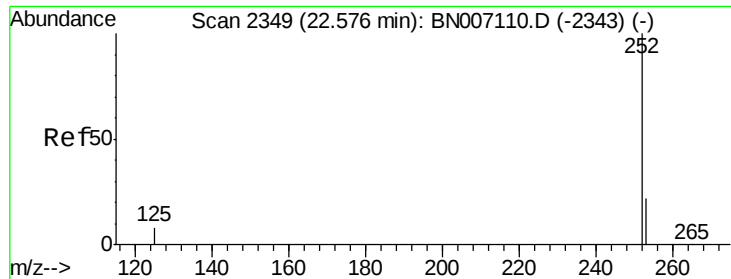
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#33
Benzo(b)fluoranthene
 Concen: 1.697 ng
 RT: 22.53 min Scan# 2337
 Delta R.T. -0.01 min
 Lab File: BN007206.D
 Acq: 15 Aug 2019 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	245026		
253	23.8	18.2	27.2	
125	11.3	7.4	11.0	





#34

Benzo(k)fluoranthene

Concen: 0.542 ng m

RT: 22.57 min Scan# 2348

Delta R.T. -0.02 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

Instrument :

BNA_N

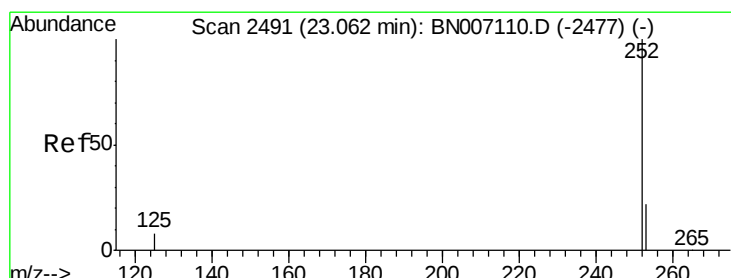
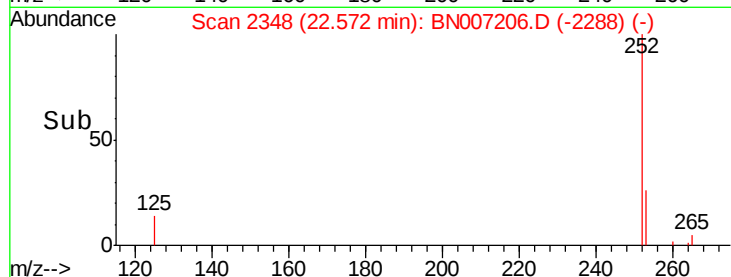
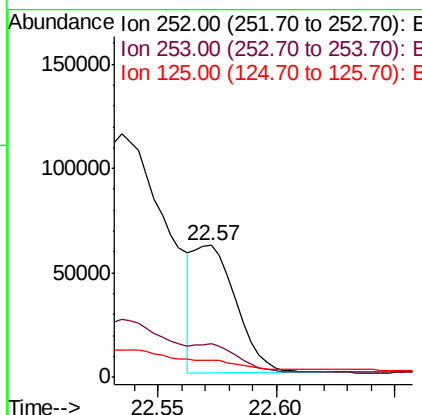
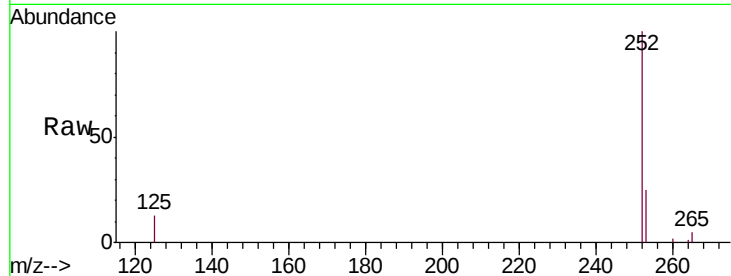
ClientSampleId :

PST-035-B239-080819

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.1	27.1
125	13.3	7.4	11.0

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#35

Benzo(a)pyrene

Concen: 1.464 ng

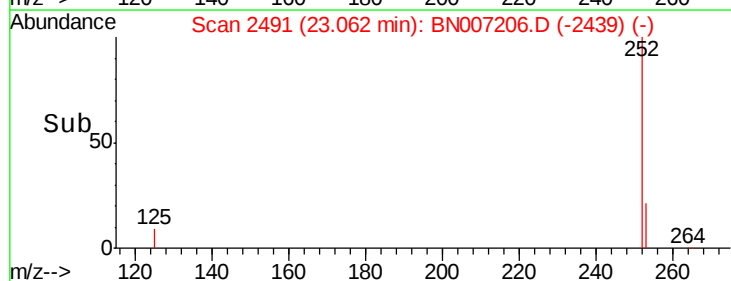
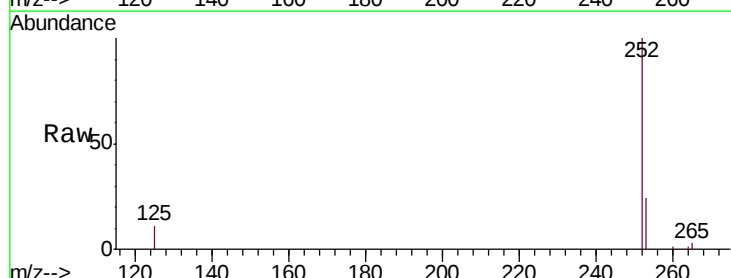
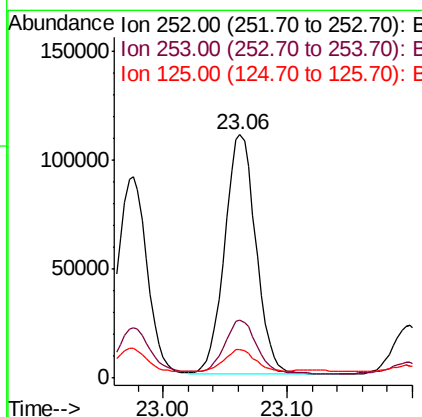
RT: 23.06 min Scan# 2491

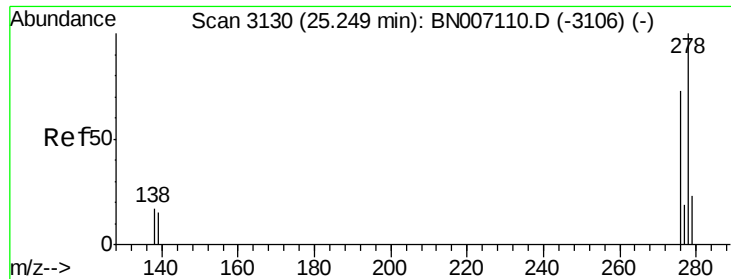
Delta R.T. -0.02 min

Lab File: BN007206.D

Acq: 15 Aug 2019 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.5	27.7
125	11.5	8.2	12.4





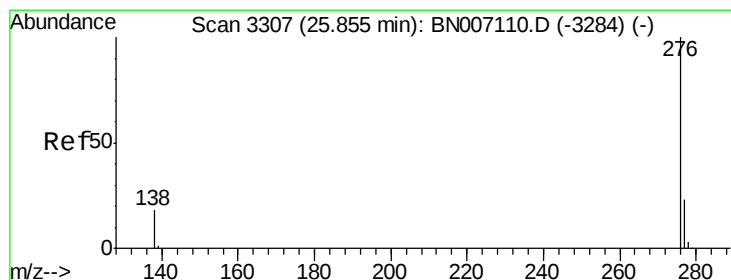
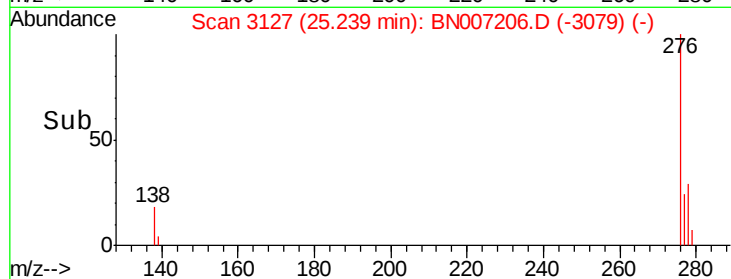
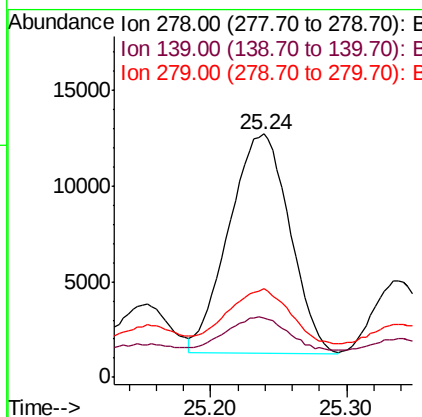
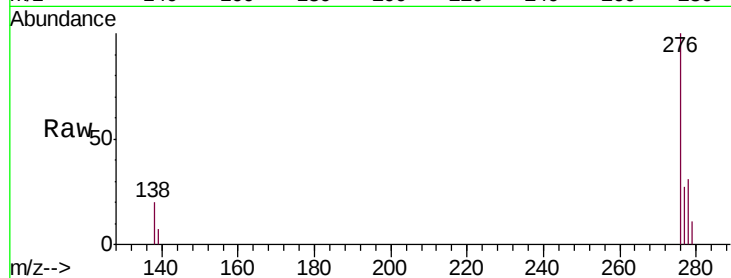
#36
Dibenzo(a,h)anthracene
Concen: 0.273 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.03 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Instrument :
BNA_N
ClientSampleId :
PST-035-B239-080819

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	35590		
139	24.4	11.3	16.9#	
279	36.3	19.3	28.9#	

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:47 PM



#37
Benzo(g,h,i)perylene
Concen: 1.081 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007206.D
Acq: 15 Aug 2019 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	145212		
277	25.4	19.8	29.8	
138	20.2	14.6	22.0	

