

Data File : BN007202.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4239-02 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:35 PM

Quant Time: Aug 16 07:20:49 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	7358	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	28573	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	16578	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	38930	0.40	ng	0.00
26) Chrysene-d12	21.05	240	38927	0.40	ng	-0.01
32) Perylene-d12	23.15	264	43125	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	770	0.04	ng	0.00
4) Phenol-d6	6.61	99	976	0.04	ng	0.00
7) Nitrobenzene-d5	8.55	82	836	0.04	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	1700	0.03	ng	-0.01
13) 2,4,6-Tribromophenol	15.57	330	302	0.03	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	401	0.02	ng	0.00
24) Fluoranthene-d10	18.86	212	3878	0.03	ng	-0.01
28) Terphenyl-d14	19.48	244	3536	0.03	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Naphthalene	10.22	128	8477	0.106	ng	97
11) 2-Methylnaphthalene	11.86	142	11090	0.195	ng	98
15) Acenaphthylene	13.79	152	43509	0.502	ng	# 97
16) Acenaphthene	14.13	154	12874	0.232	ng	91
17) Fluorene	15.12	166	28777	0.346	ng	# 91
22) Phenanthrene	16.87	178	740041	6.343	ng	100
23) Anthracene	16.95	178	72416	0.679	ng	98
25) Fluoranthene	18.89	202	619545	4.151	ng	98
27) Pyrene	19.26	202	1083061	7.934	ng	97
29) Benzo(a)anthracene	21.02	228	407881	2.865	ng	94
30) Chrysene	21.08	228	479259	3.465	ng	98
31) Indeno(1,2,3-cd)pyrene	25.23	276	175248	1.150	ng	99
33) Benzo(b)fluoranthene	22.53	252	355143m	2.402	ng	
34) Benzo(k)fluoranthene	22.57	252	107453m	0.736	ng	
35) Benzo(a)pyrene	23.06	252	321200	2.396	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	56207	0.420	ng	# 88
37) Benzo(g,h,i)perylene	25.86	276	222575	1.618	ng	99

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

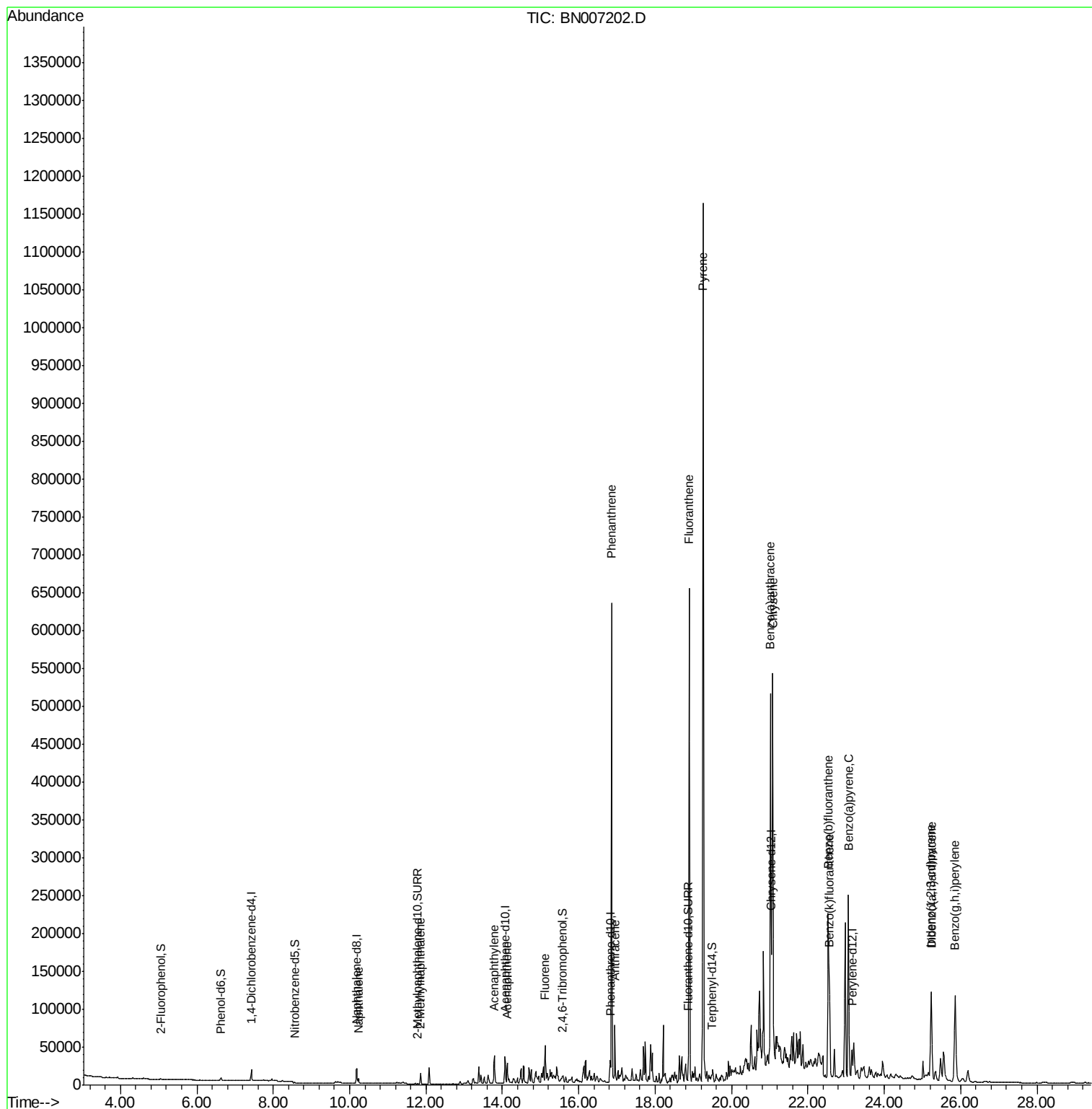
Data File : BN007202.D
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#1

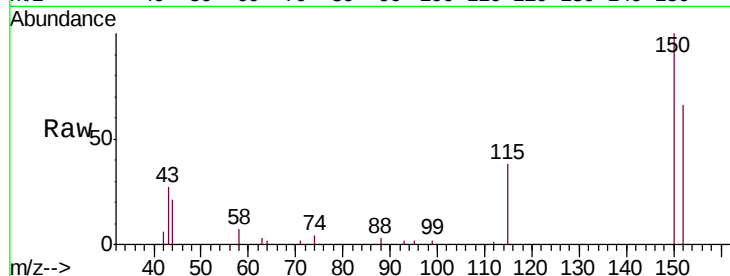
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
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PST-016-SW111-080519

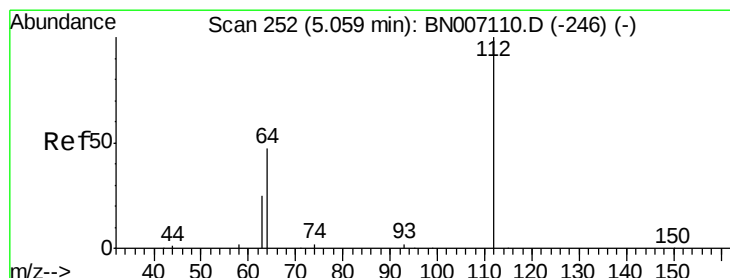
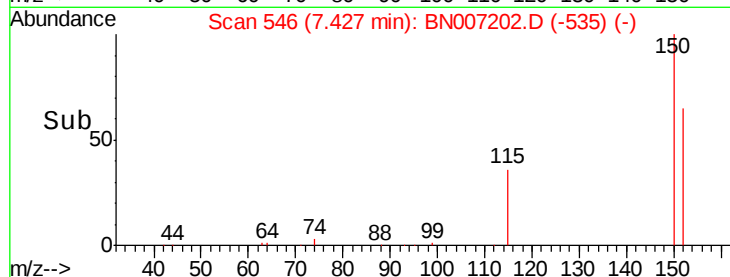
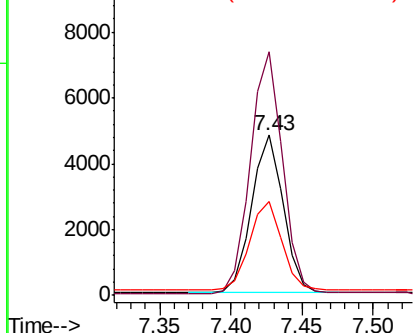
Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.2	121.7	182.5
115	58.6	46.2	69.4

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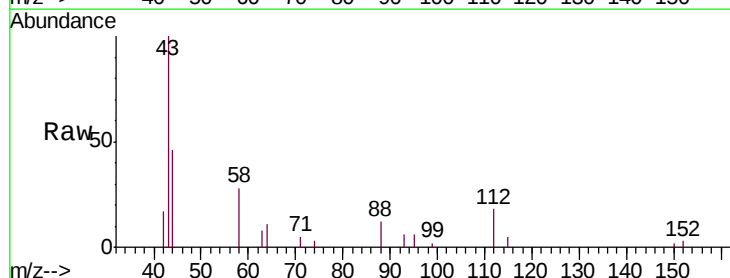
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



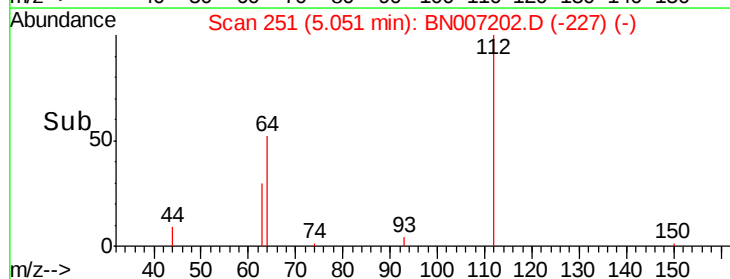
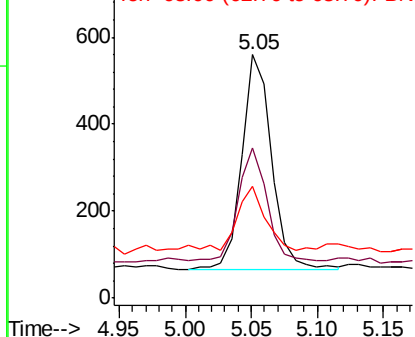
#3

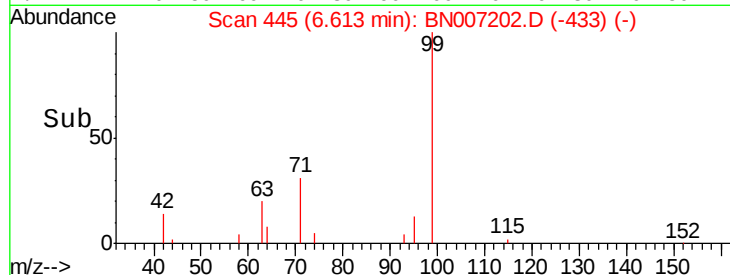
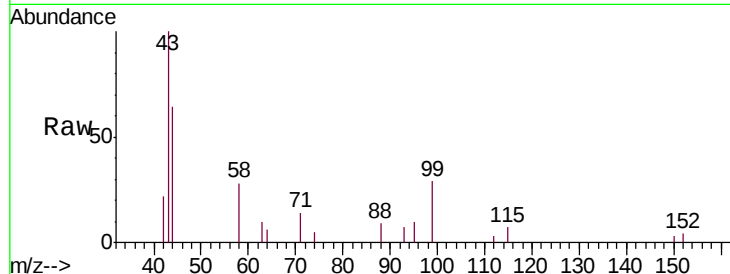
2-Fluorophenol
Concen: 0.044 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	42.6	63.8
63	27.1	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: 0.045 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007202.D

Acq: 15 Aug 2019 18:33

Tgt Ion:	99	Resp:	976
Ion Ratio	Lower	Upper	
99	100		
42	21.0	15.8	23.6
71	41.9	27.0	40.4#

Instrument :

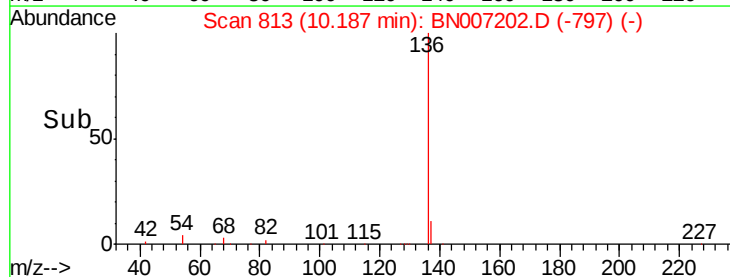
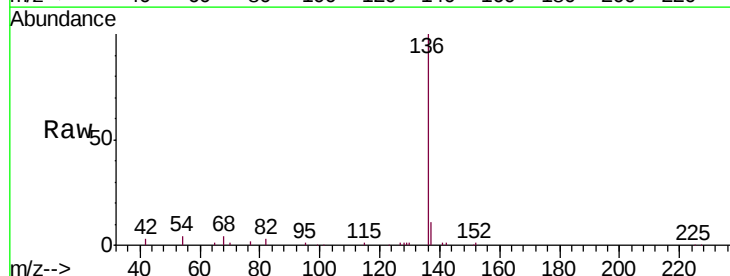
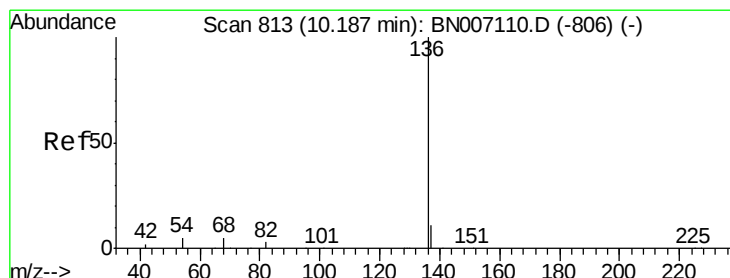
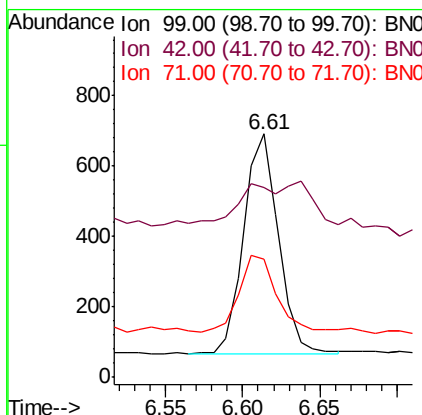
BNA_N

ClientSampleId :

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#6

Naphthalene-d8

Concen: 0.400 ng

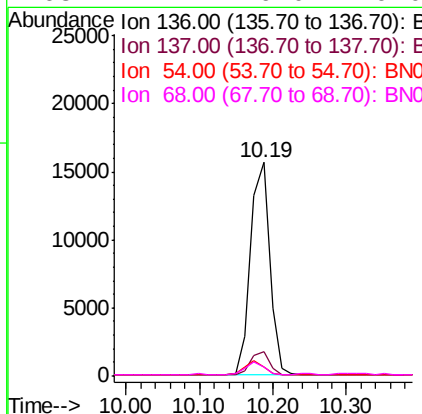
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007202.D

Acq: 15 Aug 2019 18:33

Tgt Ion:	136	Resp:	28573
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.4	14.0
54	4.3	6.6	9.8#
68	4.2	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.036 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007202.D

Acq: 15 Aug 2019 18:33

Instrument :

BNA_N

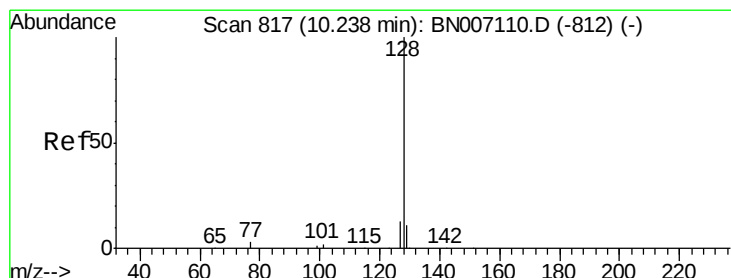
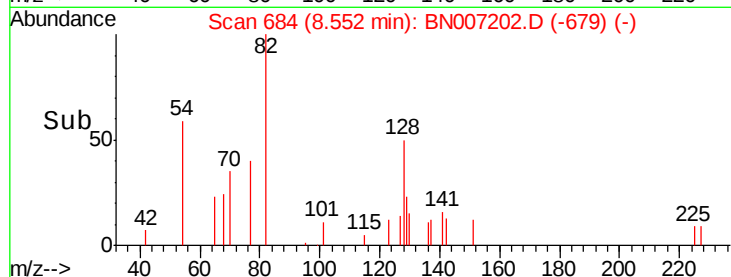
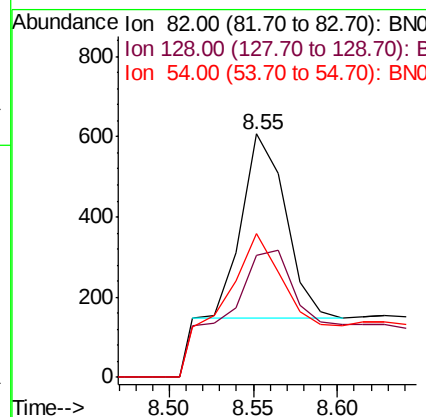
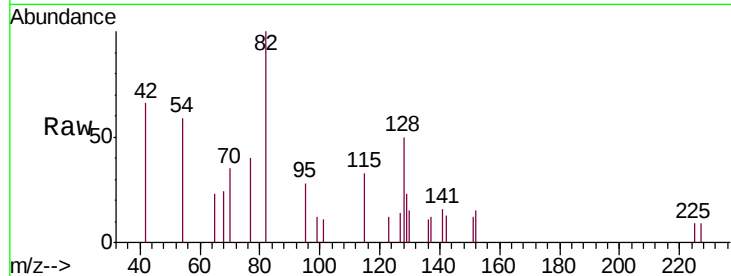
ClientSampleId :

PST-016-SW111-080519

Tgt Ion	Ratio	Lower	Upper
82	100		
128	50.2	34.6	51.8
54	59.0	36.2	54.4

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#8

Naphthalene

Concen: 0.106 ng

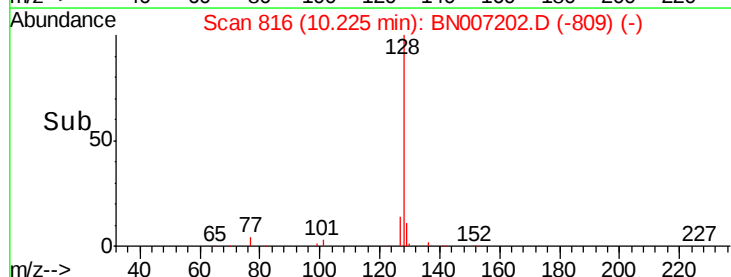
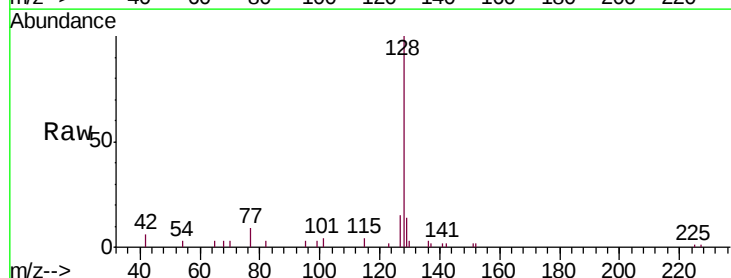
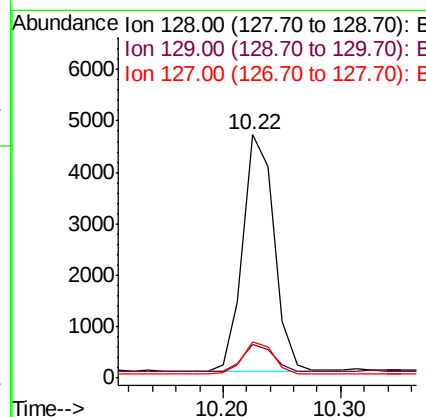
RT: 10.22 min Scan# 816

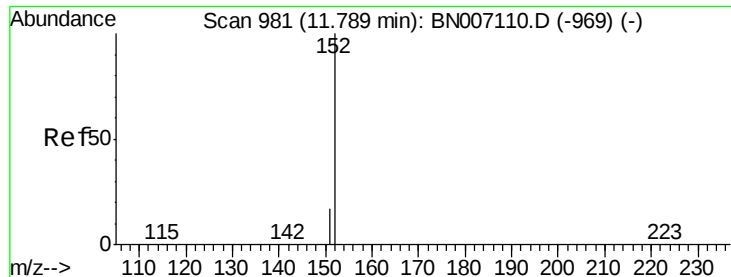
Delta R.T. -0.01 min

Lab File: BN007202.D

Acq: 15 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.6	9.4	14.2
127	14.7	11.0	16.6





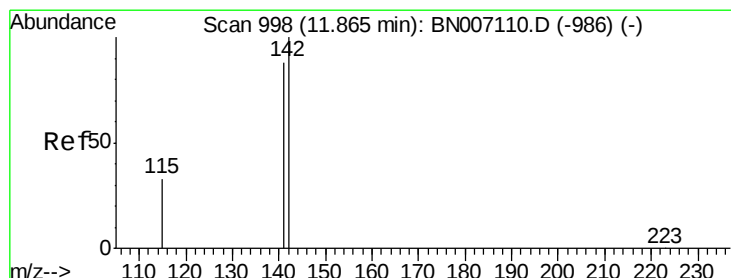
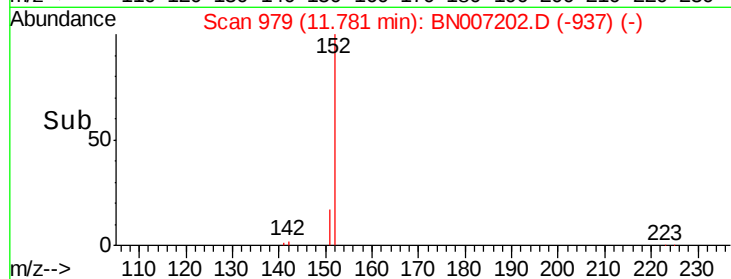
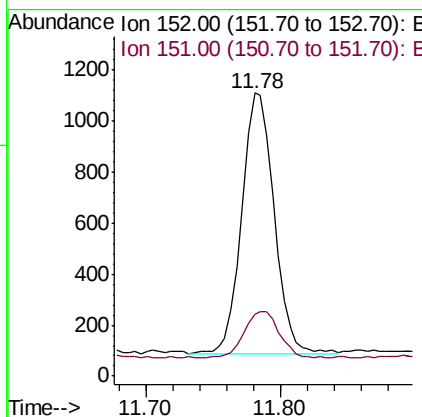
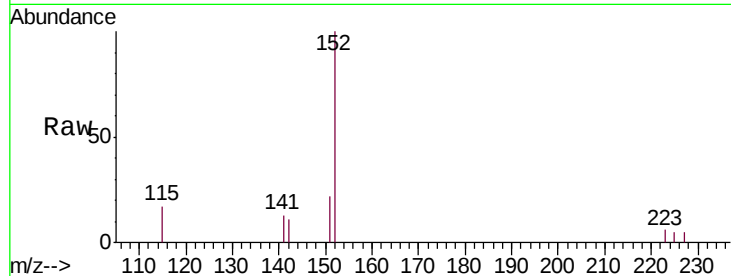
#10
2-Methylnaphthalene-d10
Concen: 0.032 ng
RT: 11.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.5	23.3

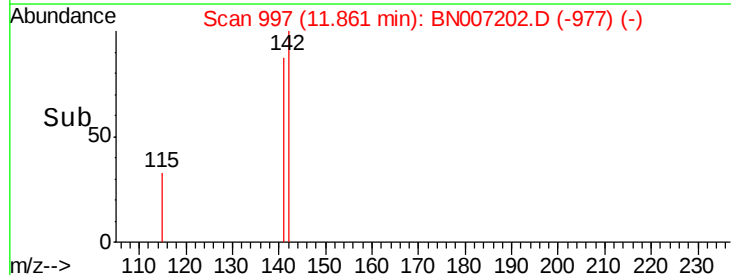
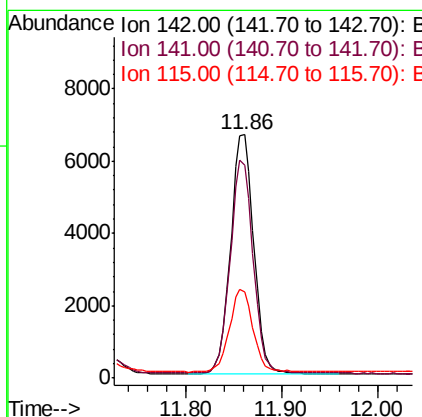
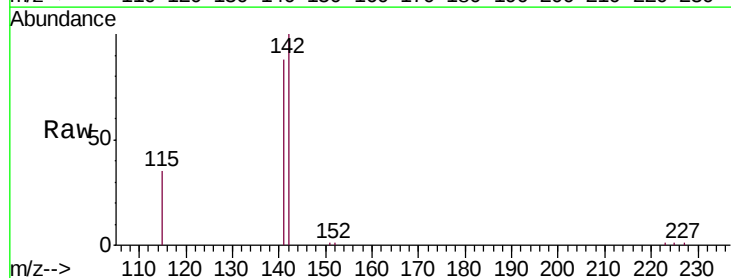
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#11
2-Methylnaphthalene
Concen: 0.195 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.0	103.6
115	35.4	27.1	40.7





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007202.D

Acq: 15 Aug 2019 18:33

Instrument :

BNA_N

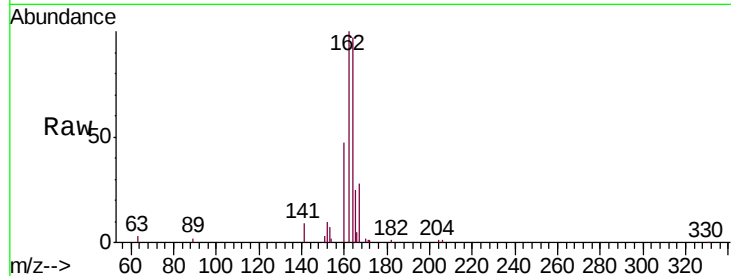
ClientSampleId :

PST-016-SW111-080519

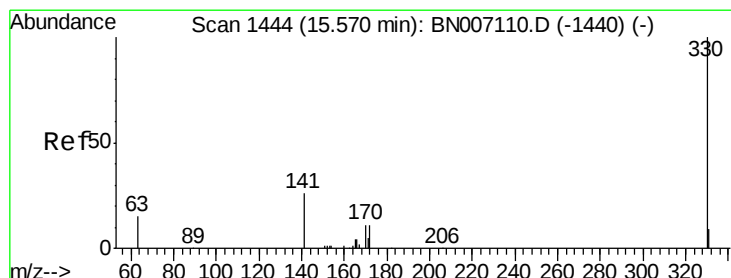
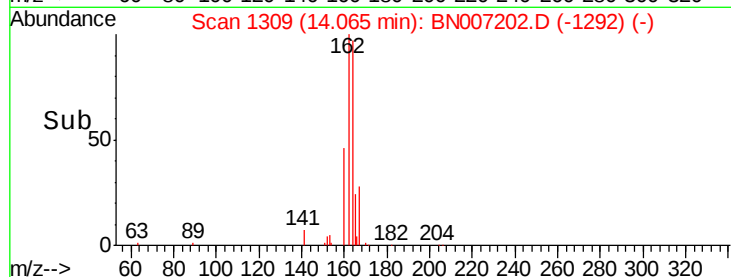
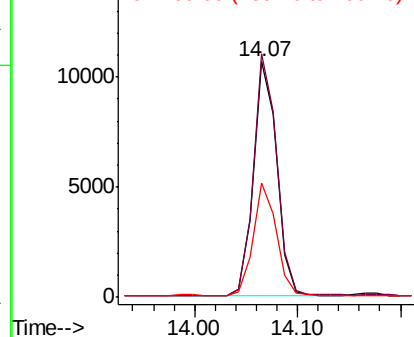
Tgt Ion:	164	Resp:	16578
Ion Ratio	Lower	Upper	
164	100		
162	103.2	82.2	123.4
160	48.6	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 0.034 ng

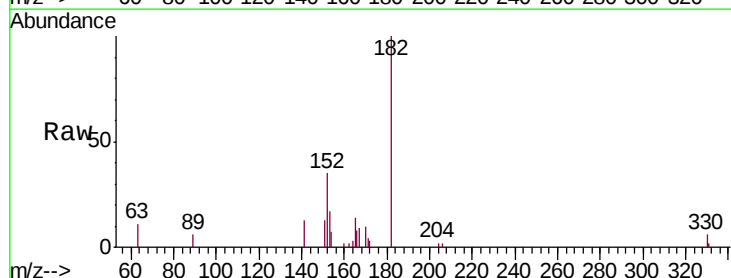
RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

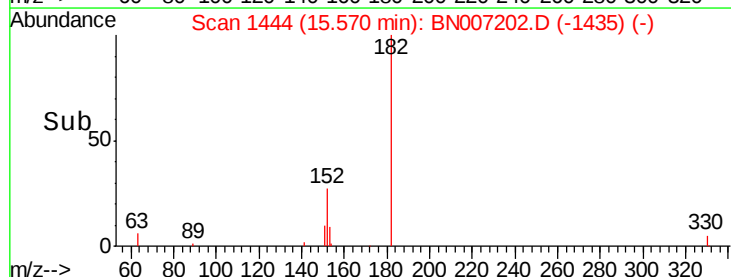
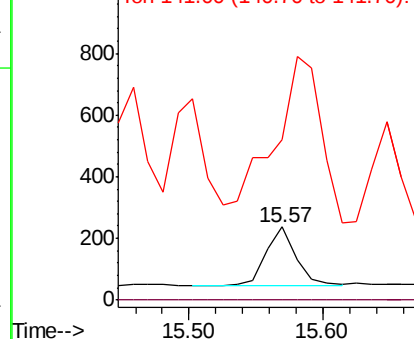
Lab File: BN007202.D

Acq: 15 Aug 2019 18:33

Tgt Ion:	330	Resp:	302
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	448.3	33.6	50.4#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





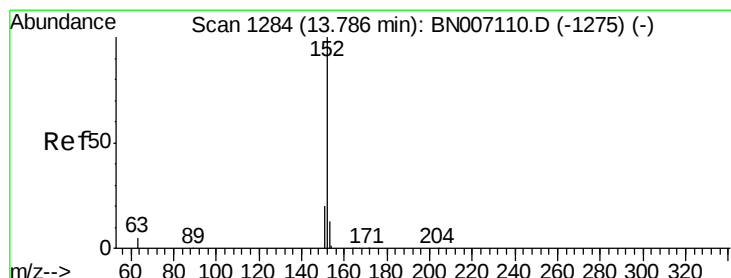
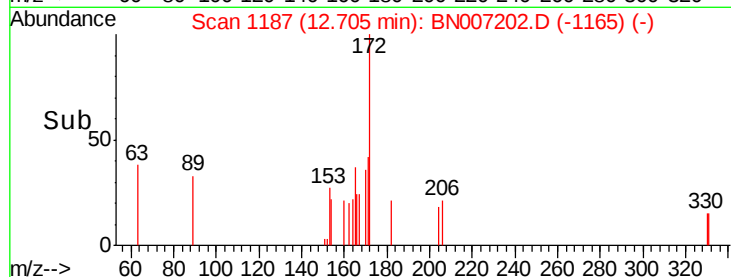
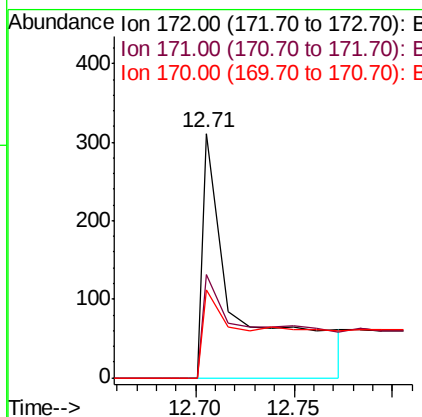
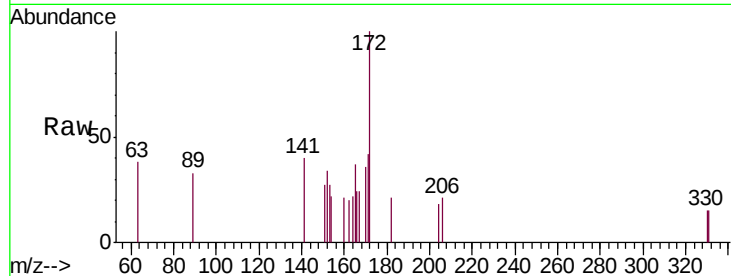
#14
2-Fluorobiphenyl
Concen: 0.017 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	42.1	26.3	39.5#
170	36.0	17.0	25.4#

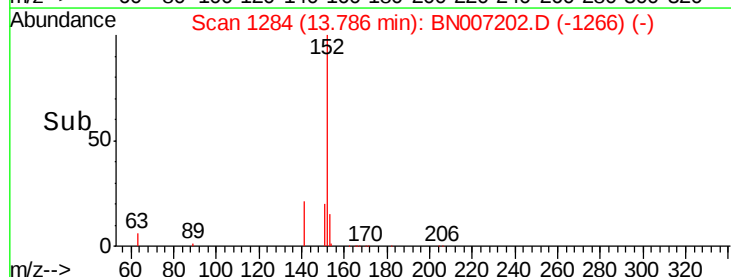
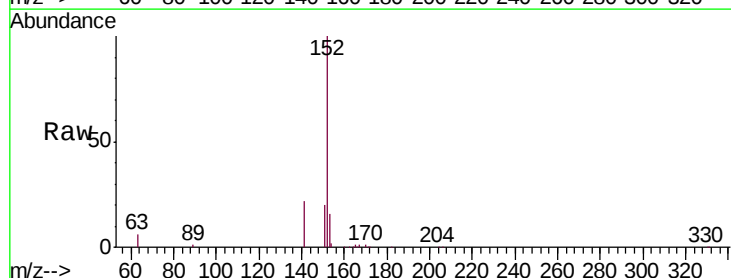
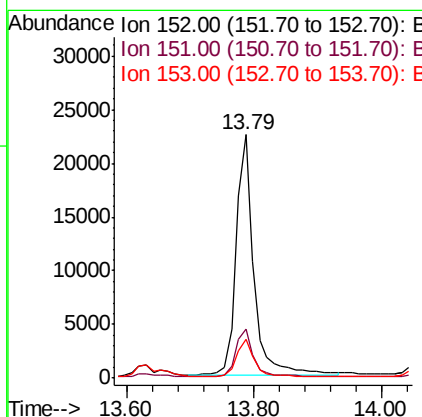
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#15
Acenaphthylene
Concen: 0.502 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	15.6	10.4	15.6#





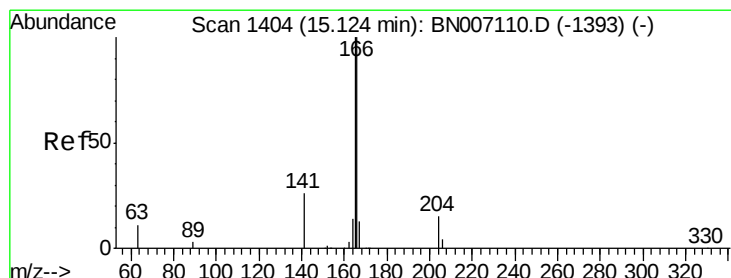
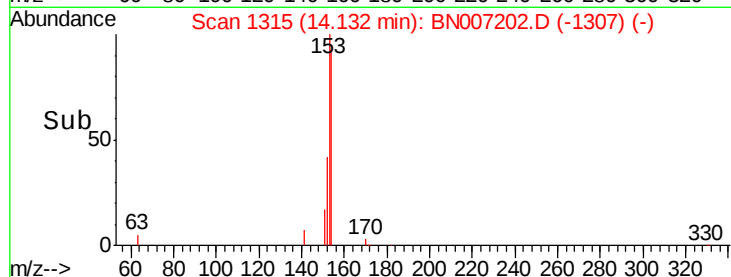
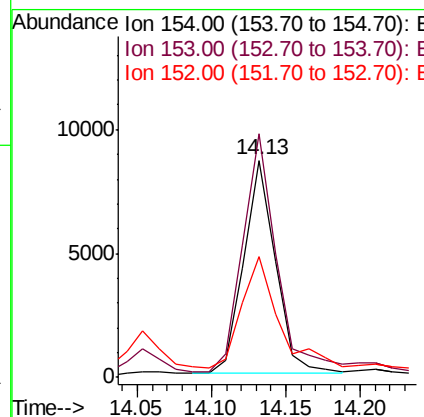
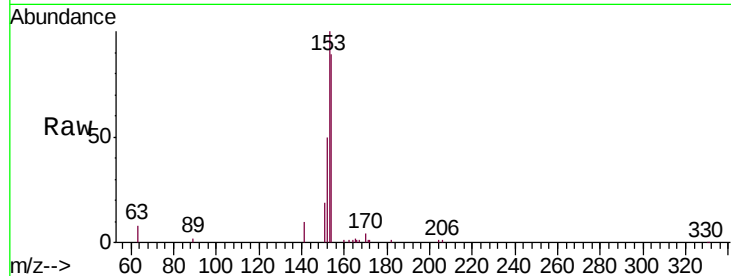
#16
Acenaphthene
Concen: 0.232 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion	Ratio	Lower	Upper
154	100		
153	123.0	89.5	134.3
152	59.6	44.8	67.2

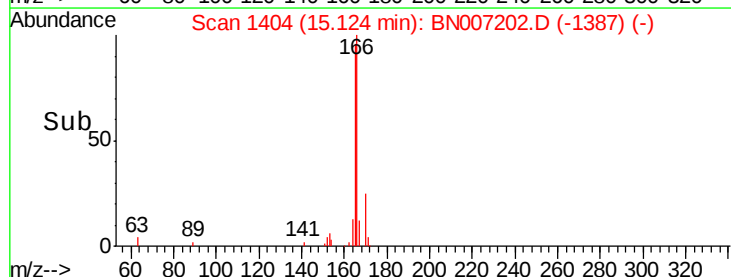
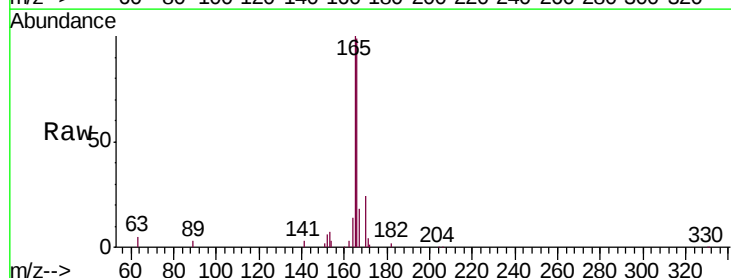
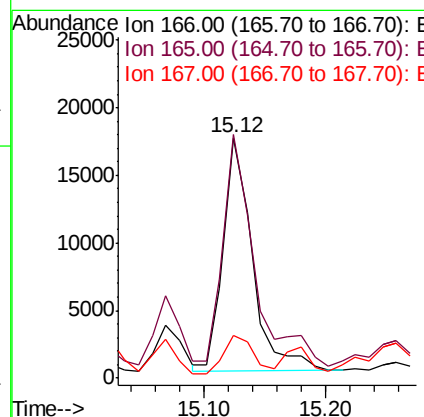
Manual Integrations
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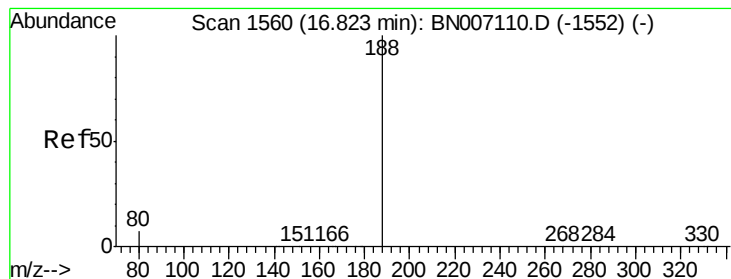
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#17
Fluorene
Concen: 0.346 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.5	77.9	116.9
167	16.8	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: BN007202.D

Acq: 15 Aug 2019 18:33

Instrument :

BNA_N

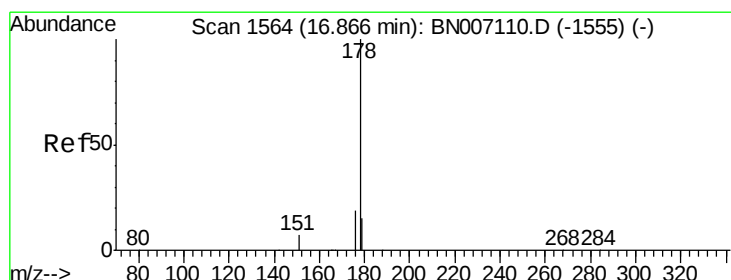
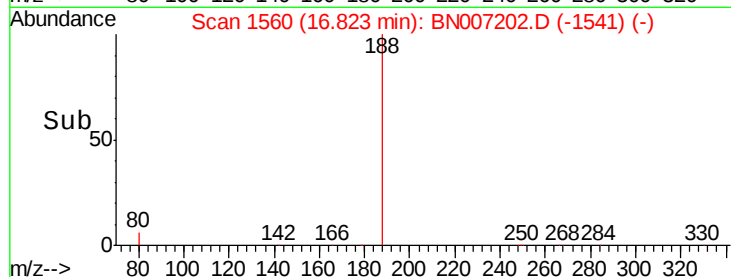
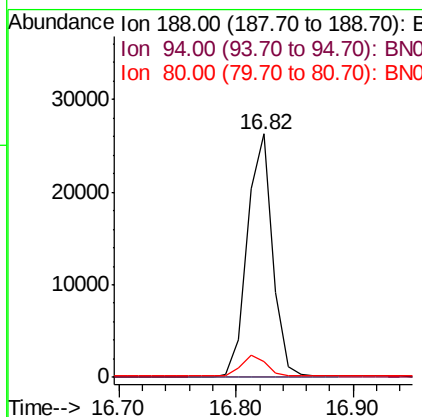
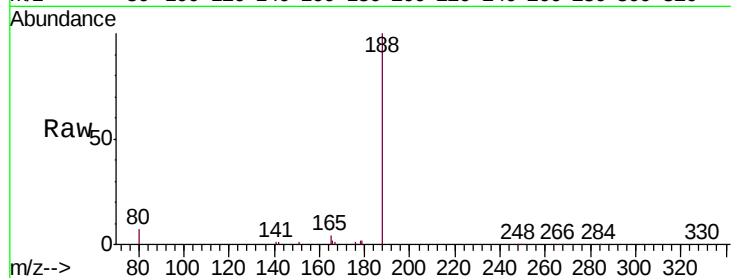
ClientSampleId :

PST-016-SW111-080519

Tgt Ion:	188	Resp:	38930
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: 6.343 ng

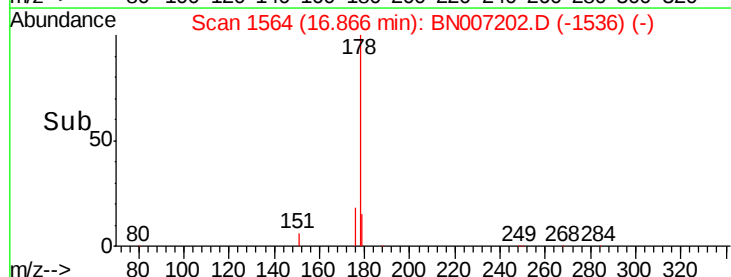
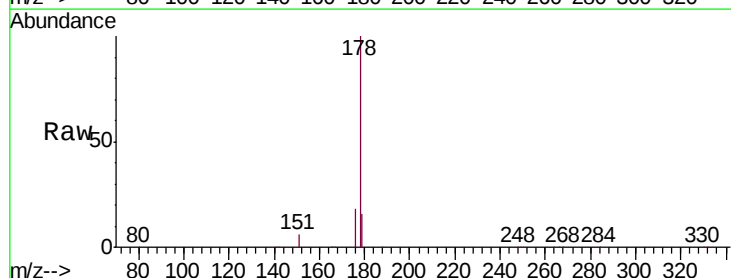
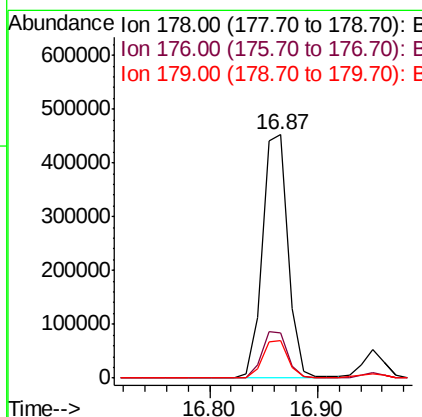
RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007202.D

Acq: 15 Aug 2019 18:33

Tgt Ion:	178	Resp:	740041
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.2	22.8
179	15.6	12.3	18.5





#23

Anthracene

Concen: 0.679 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007202.D

Acq: 15 Aug 2019 18:33

Instrument :

BNA_N

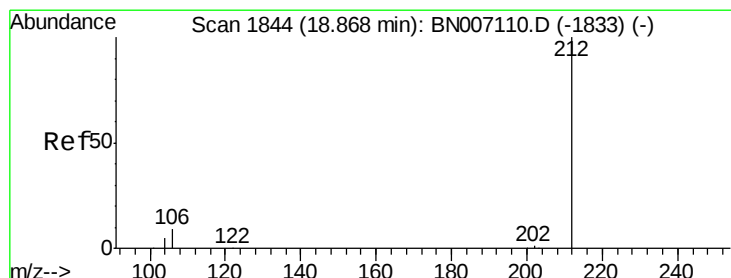
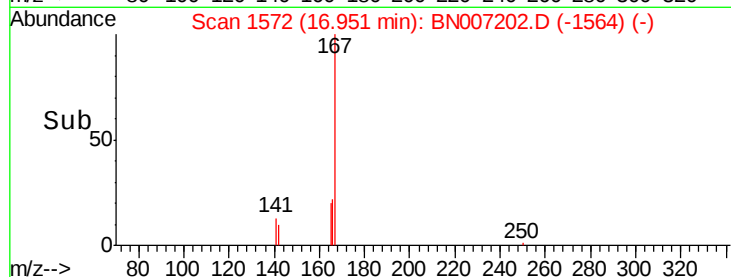
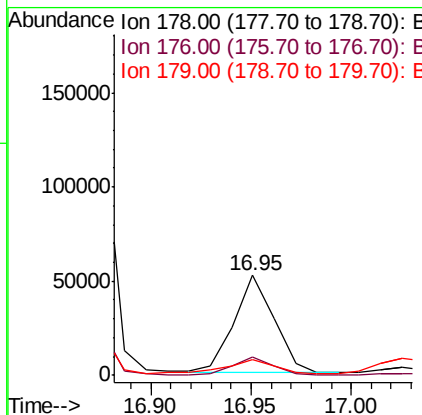
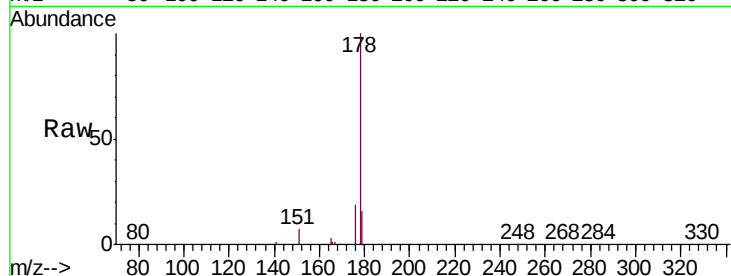
ClientSampleId :

PST-016-SW111-080519

Tgt Ion:	178	Resp:	72416
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.6	21.8
179	17.2	12.5	18.7

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#24

Fluoranthene-d10

Concen: 0.028 ng

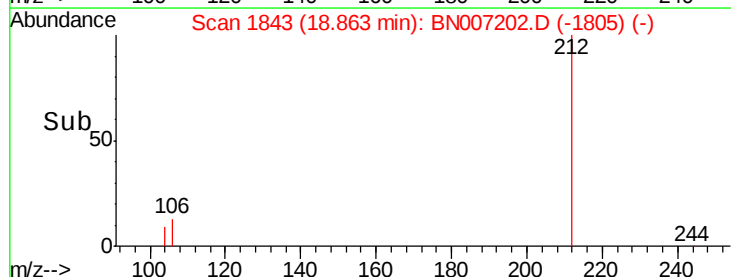
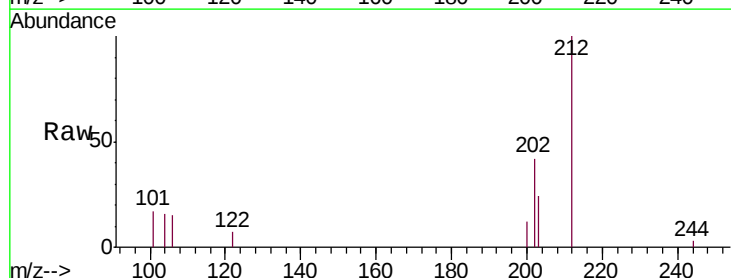
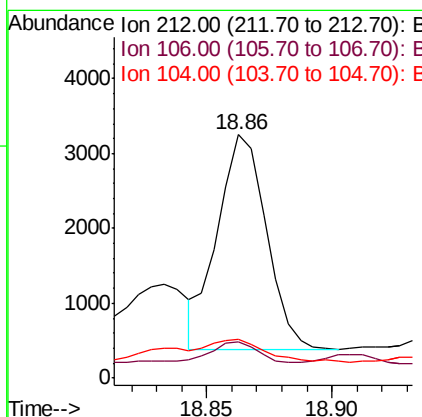
RT: 18.86 min Scan# 1843

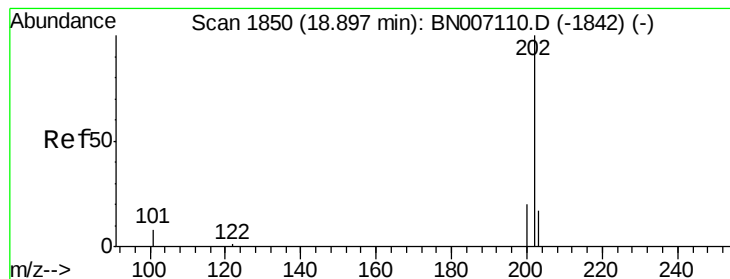
Delta R.T. -0.01 min

Lab File: BN007202.D

Acq: 15 Aug 2019 18:33

Tgt Ion:	212	Resp:	3878
Ion Ratio	Lower	Upper	
212	100		
106	13.5	8.2	12.2#
104	12.2	4.5	6.7#





#25

Fluoranthene

Concen: 4.151 ng

RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN007202.D

Acq: 15 Aug 2019 18:33

Instrument :

BNA_N

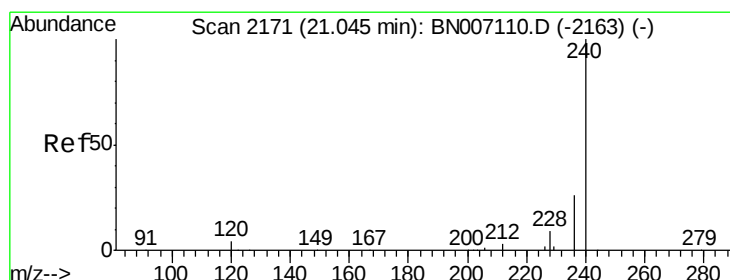
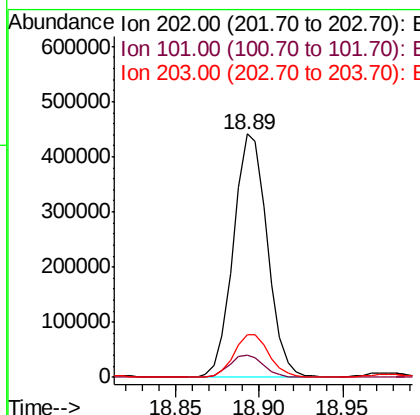
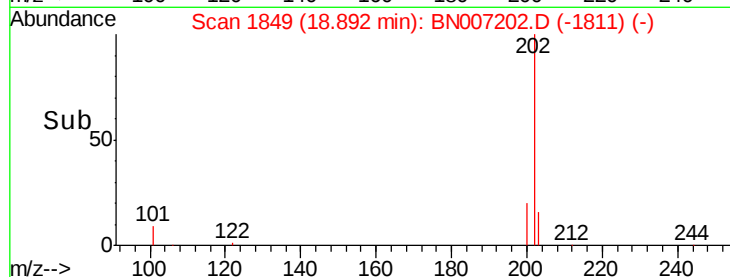
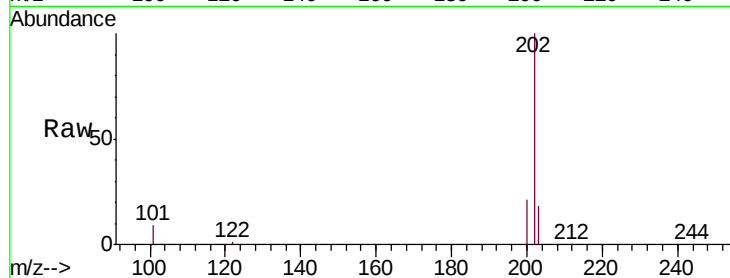
ClientSampleId :

PST-016-SW111-080519

Tgt	Ion	202	Resp:	619545
Ion	Ratio	Lower	Upper	
202	100			
101	9.1	7.0	10.4	
203	18.1	13.8	20.8	

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#26

Chrysene-d12

Concen: 0.400 ng

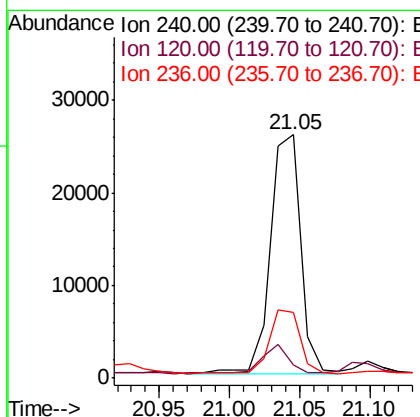
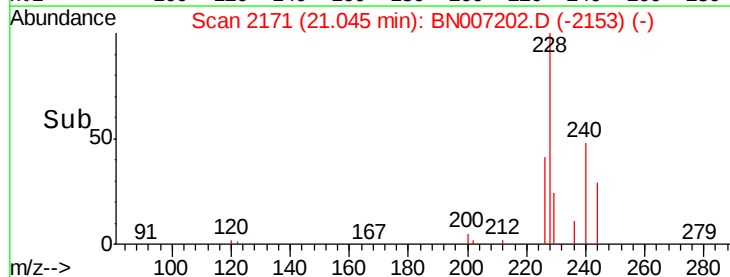
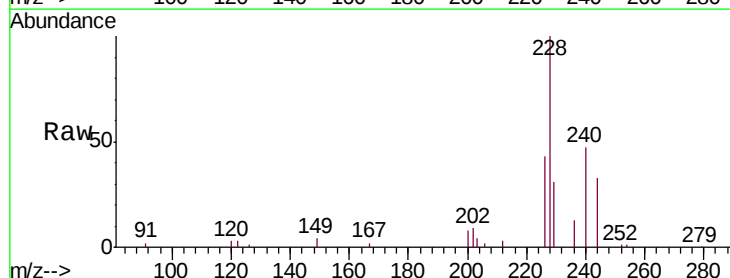
RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007202.D

Acq: 15 Aug 2019 18:33

Tgt	Ion	240	Resp:	38927
Ion	Ratio	Lower	Upper	
240	100			
120	5.3	4.0	6.0	
236	27.1	21.3	31.9	





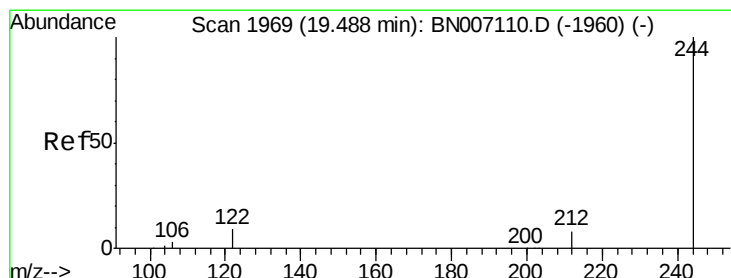
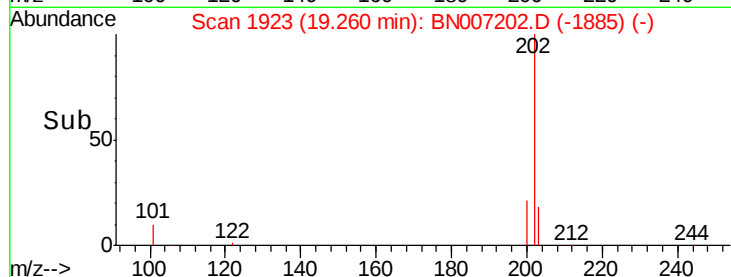
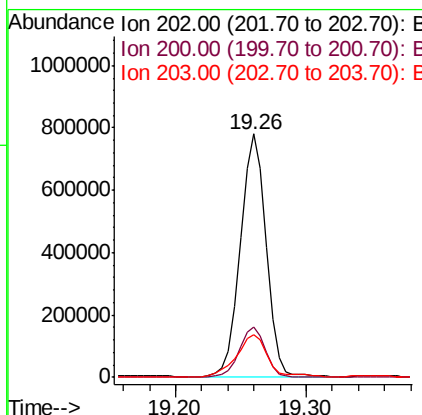
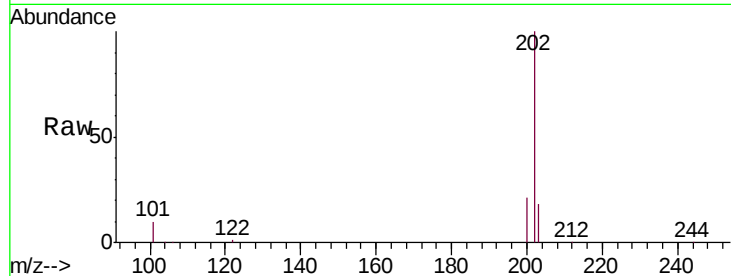
#27
 Pyrene
 Concen: 7.934 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007202.D
 Acq: 15 Aug 2019 18:33

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-SW111-080519

Tgt Ion: 202 Resp: 1083061
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.6 24.8
 203 20.4 14.0 21.0

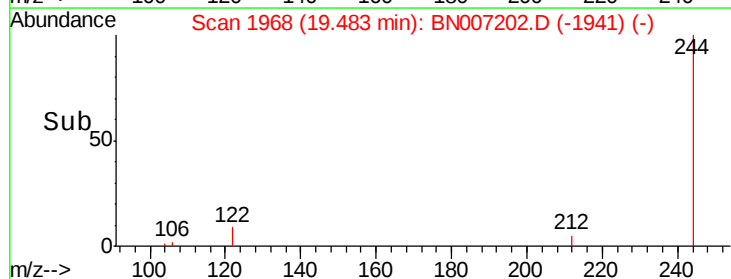
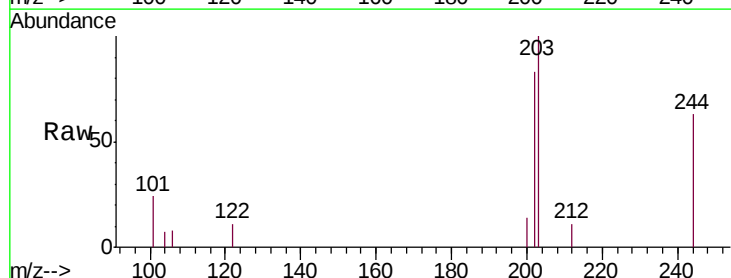
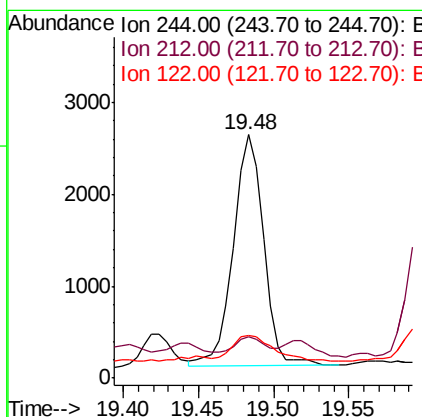
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#28
 Terphenyl-d14
 Concen: 0.033 ng
 RT: 19.48 min Scan# 1968
 Delta R.T. -0.02 min
 Lab File: BN007202.D
 Acq: 15 Aug 2019 18:33

Tgt Ion: 244 Resp: 3536
 Ion Ratio Lower Upper
 244 100
 212 16.9 6.2 9.2#
 122 17.4 7.4 11.2#





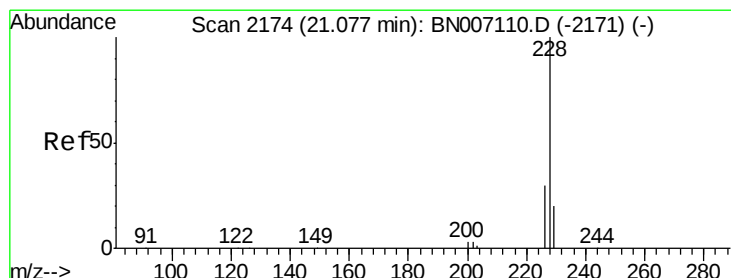
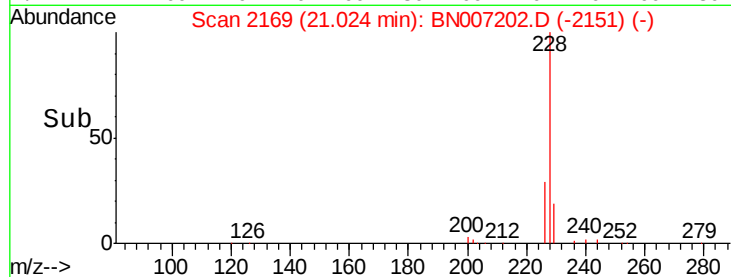
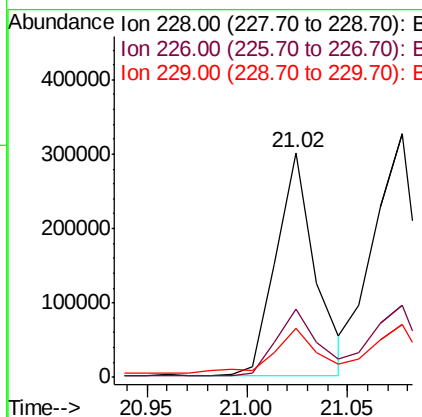
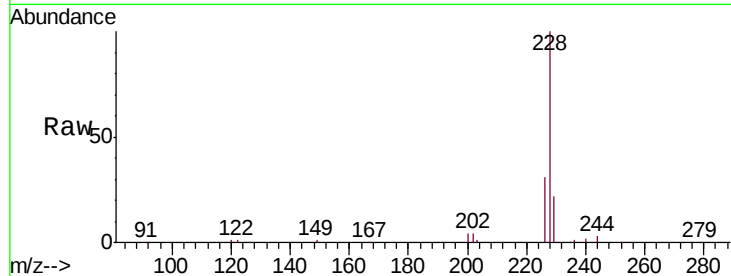
#29
Benzo(a)anthracene
Concen: 2.865 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.8	32.6
229	22.1	15.6	23.4

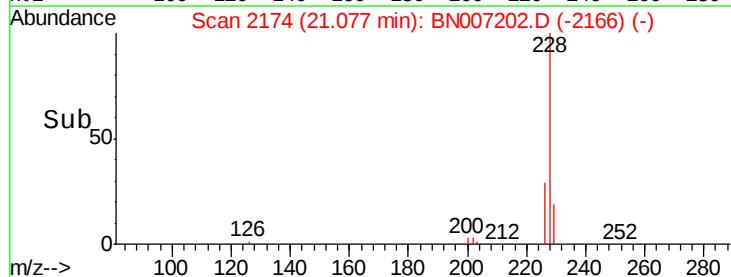
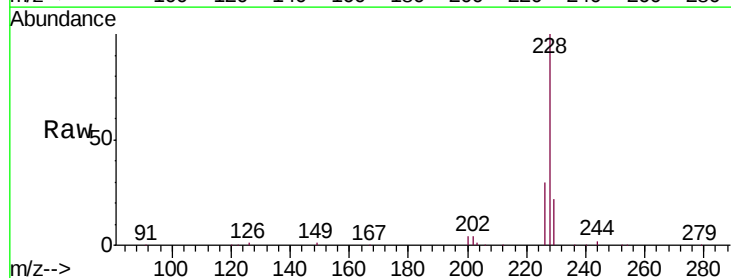
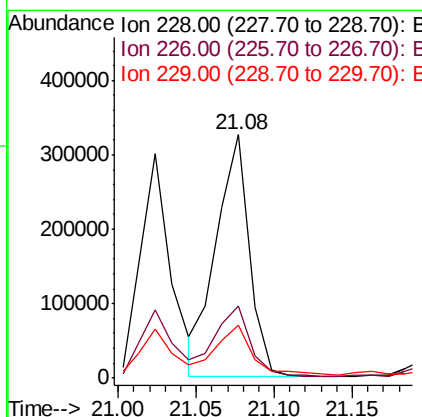
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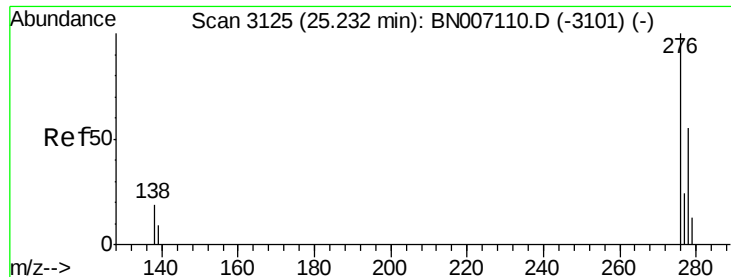
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#30
Chrysene
Concen: 3.465 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.6
229	21.6	15.7	23.5





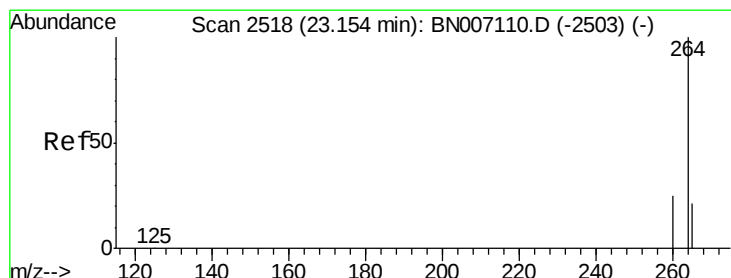
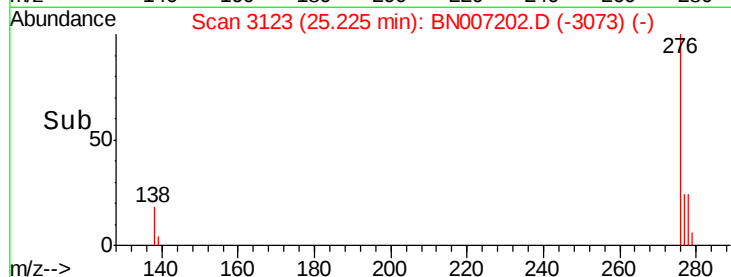
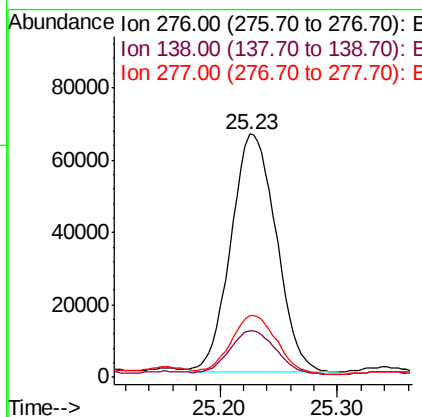
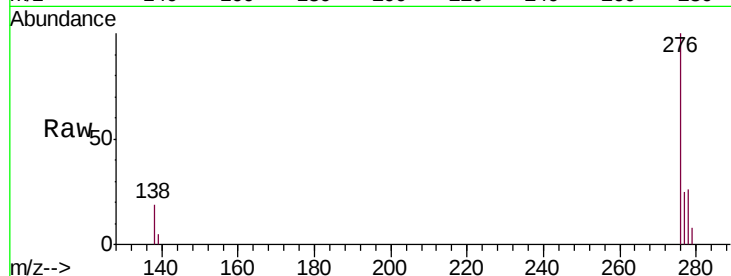
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 1.150 ng
 RT: 25.23 min Scan# 3123
 Delta R.T. -0.03 min
 Lab File: BN007202.D
 Acq: 15 Aug 2019 18:33

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-SW111-080519

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	175248		
138	18.9	16.0	24.0	
277	24.9	19.9	29.9	

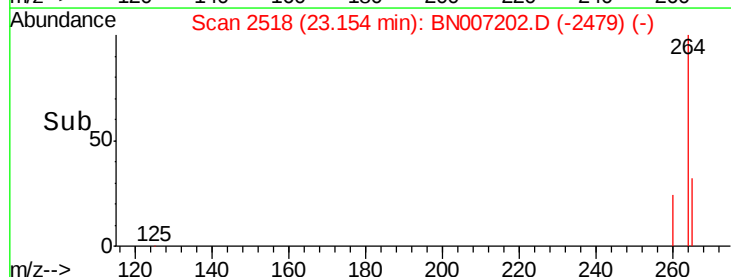
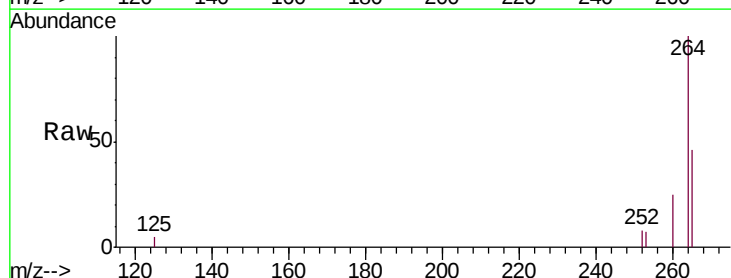
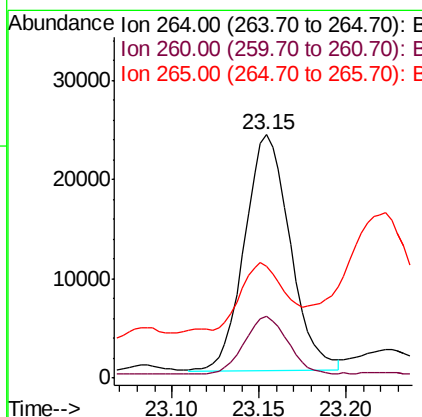
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#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BN007202.D
 Acq: 15 Aug 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	43125		
260	25.2	19.8	29.8	
265	45.7	26.2	39.4	





#33

Benzo(b)fluoranthene

Concen: 2.402 ng m

RT: 22.53 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BN007202.D

Acq: 15 Aug 2019 18:33

Instrument :

BNA_N

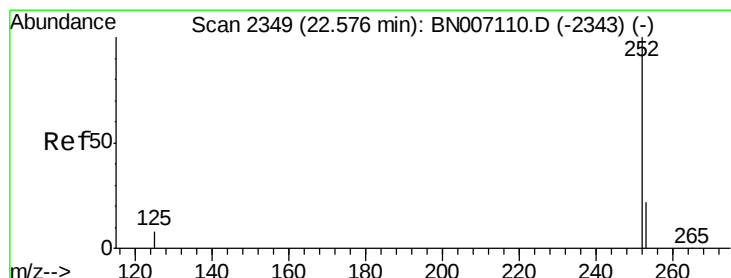
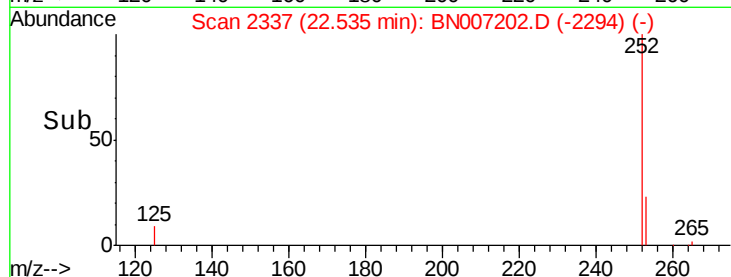
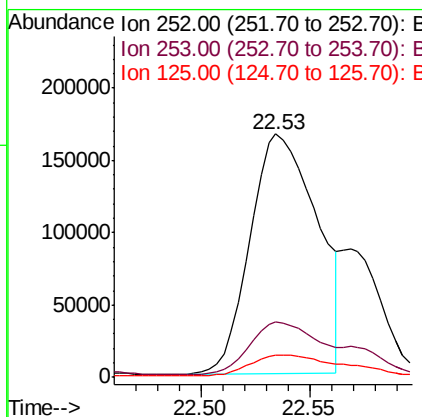
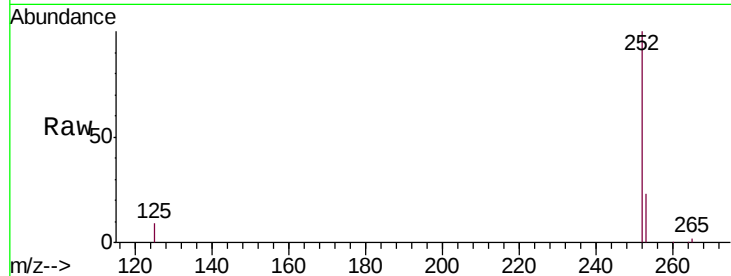
ClientSampleId :

PST-016-SW111-080519

Tgt Ion:	252	Resp:	355143
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.2
125	9.2	7.4	11.0

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#34

Benzo(k)fluoranthene

Concen: 0.736 ng m

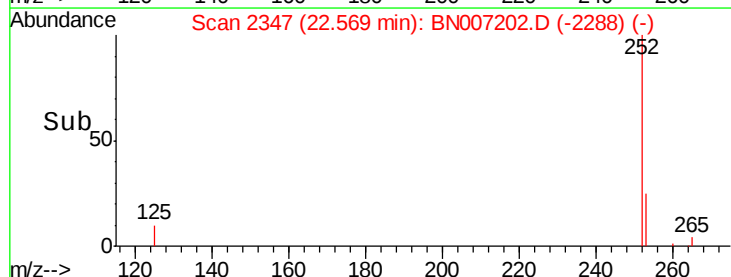
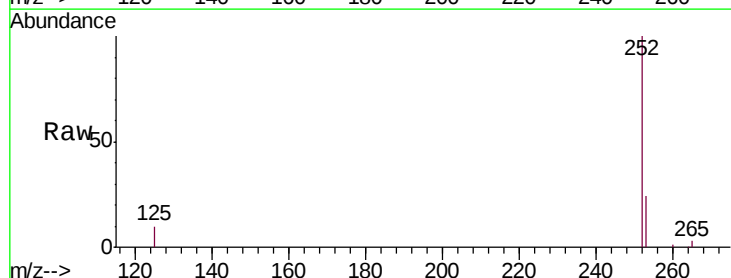
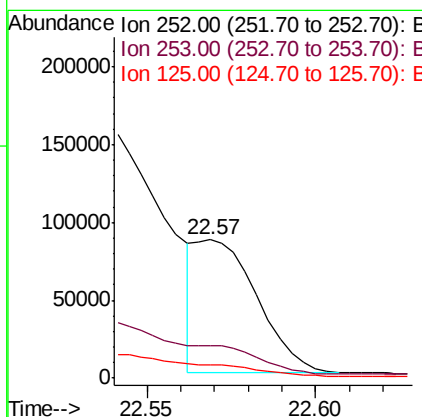
RT: 22.57 min Scan# 2347

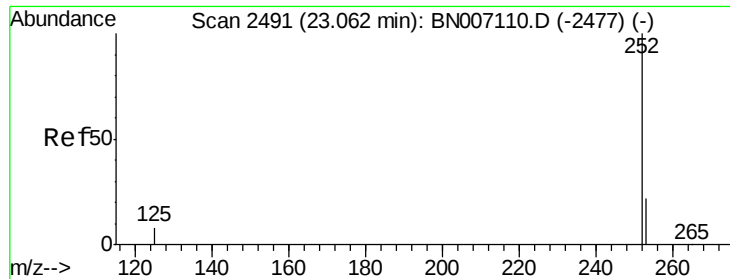
Delta R.T. -0.02 min

Lab File: BN007202.D

Acq: 15 Aug 2019 18:33

Tgt Ion:	252	Resp:	107453
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.1	27.1
125	9.6	7.4	11.0





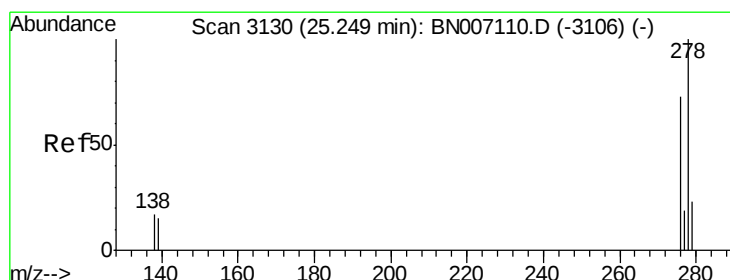
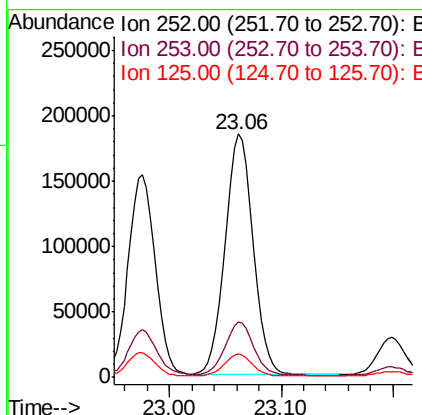
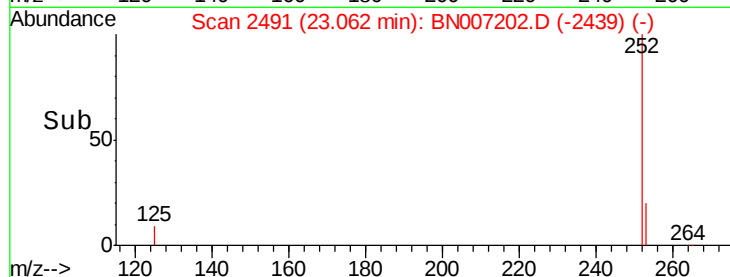
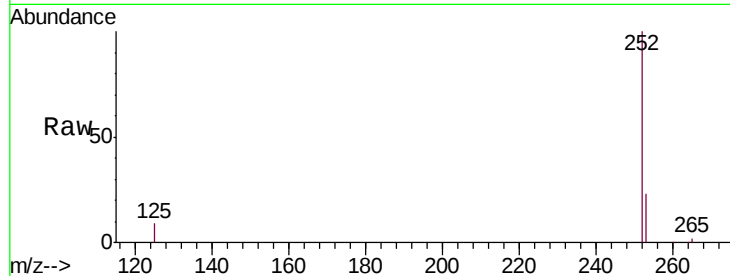
#35
Benzo(a)pyrene
Concen: 2.396 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	321200		
253	22.7	18.5	27.7	
125	9.5	8.2	12.4	

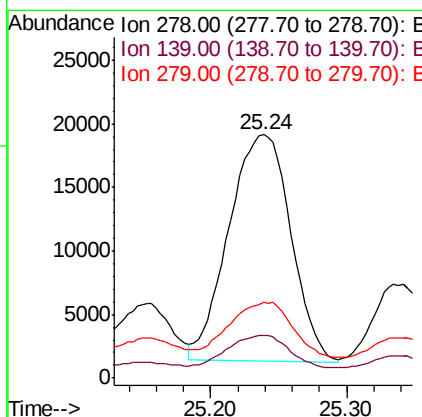
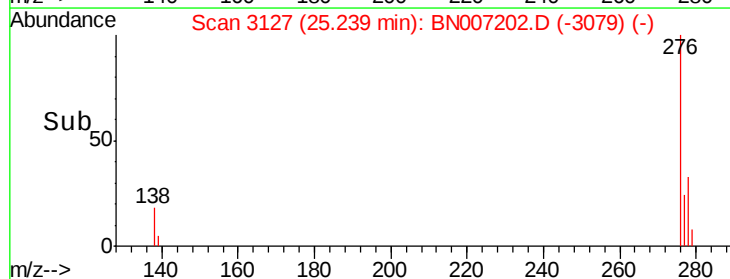
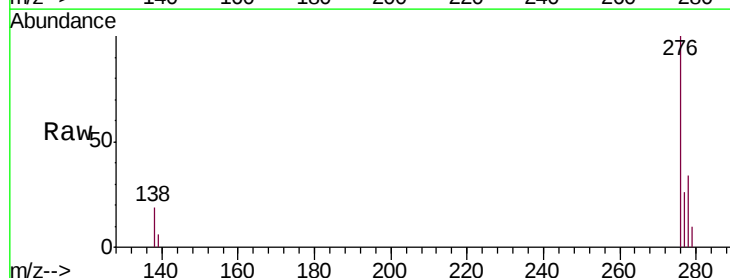
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#36
Dibenzo(a,h)anthracene
Concen: 0.420 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.03 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	56207		
139	17.7	11.3	16.9#	
279	31.0	19.3	28.9#	





#37
 Benzo(g,h,i)perylene
 Concen: 1.618 ng
 RT: 25.86 min Scan# 3308
 Delta R.T. -0.02 min
 Lab File: BN007202.D
 Acq: 15 Aug 2019 18:33

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-SW111-080519

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.7	19.8	29.8
138	18.8	14.6	22.0

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