

Data File : BN007210.D
Acq On : 15 Aug 2019 23:22
Operator : HP/JU
Sample : K4282-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-029-B215-080819

Manual Integrations
APPROVED

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8/16/2019 6:11:59 PM

Quant Time: Aug 16 07:46:43 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	7470	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	28579	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	16325	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	37573	0.40	ng	0.00
26) Chrysene-d12	21.03	240	36561	0.40	ng	-0.02
32) Perylene-d12	23.15	264	40912	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	4819	0.27	ng	0.00
4) Phenol-d6	6.61	99	6538	0.29	ng	0.00
7) Nitrobenzene-d5	8.55	82	4789	0.21	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	9696	0.18	ng	-0.01
13) 2,4,6-Tribromophenol	15.57	330	1569	0.18	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	1046	0.04	ng	0.00
24) Fluoranthene-d10	18.86	212	16836	0.13	ng	-0.01
28) Terphenyl-d14	19.48	244	12044	0.12	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Naphthalene	10.23	128	11553	0.144	ng	98
11) 2-Methylnaphthalene	11.86	142	6433	0.113	ng	96
15) Acenaphthylene	13.79	152	47226	0.553	ng	100
16) Acenaphthene	14.13	154	9542	0.175	ng	98
17) Fluorene	15.12	166	17918	0.219	ng	93
22) Phenanthrene	16.86	178	446297	3.963	ng	100
23) Anthracene	16.95	178	66813	0.649	ng	# 94
25) Fluoranthene	18.89	202	726066	5.041	ng	99
27) Pyrene	19.26	202	658494	5.136	ng	96
29) Benzo(a)anthracene	21.02	228	348142	2.604	ng	94
30) Chrysene	21.08	228	357563	2.753	ng	97
31) Indeno(1,2,3-cd)pyrene	25.23	276	208342	1.455	ng	98
33) Benzo(b)fluoranthene	22.53	252	447851	3.192	ng	99
34) Benzo(k)fluoranthene	22.57	252	141405m	1.021	ng	
35) Benzo(a)pyrene	23.06	252	307079	2.414	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	57849	0.456	ng	# 90
37) Benzo(g,h,i)perylene	25.85	276	202082	1.548	ng	99

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

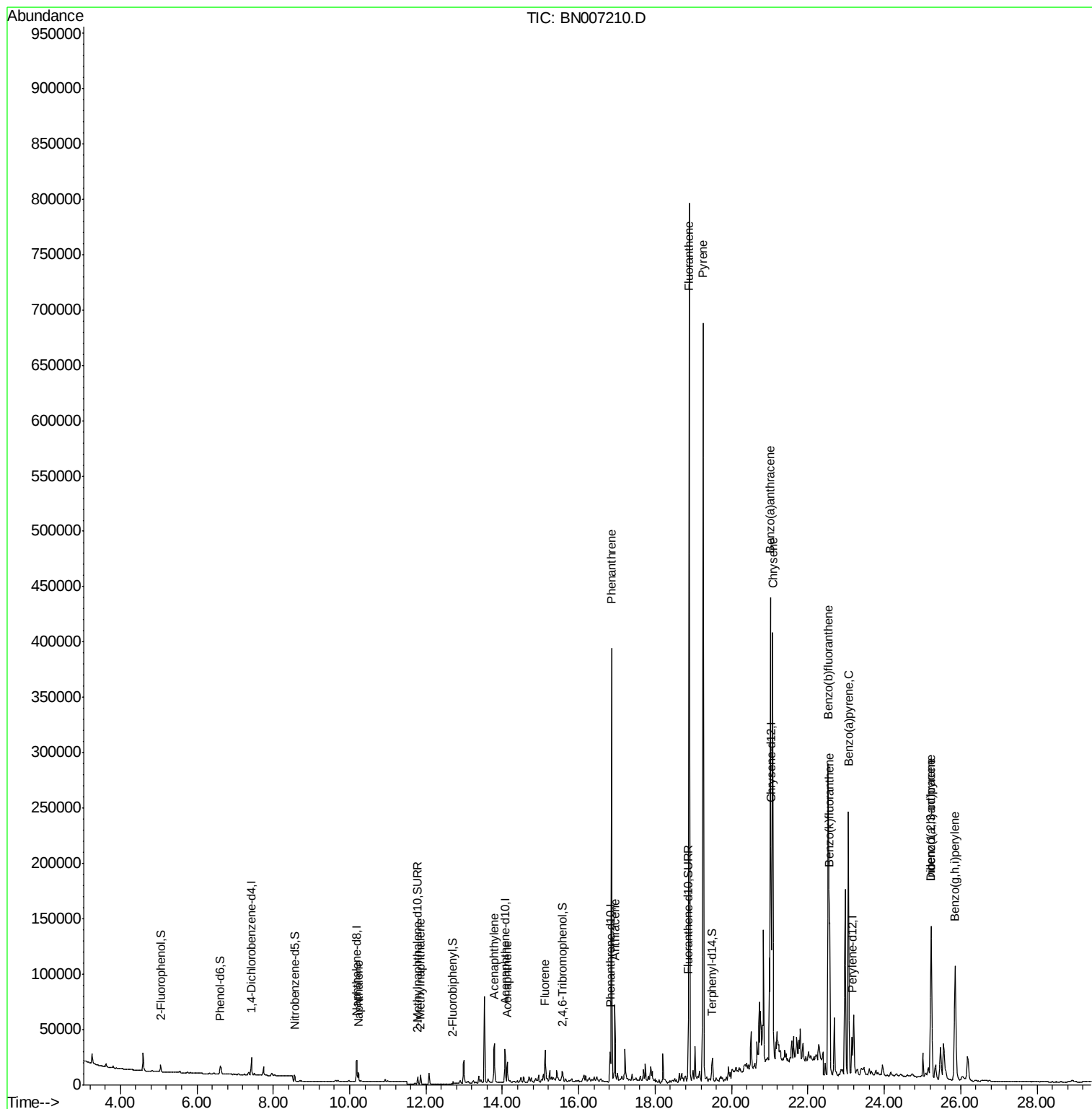
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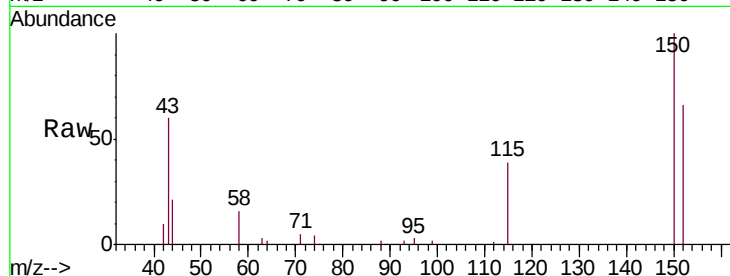
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.43 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BN007210.D
 Acq: 15 Aug 2019 23:22

Instrument :
 BNA_N
 ClientSampleId :
 PST-029-B215-080819

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.8	121.7	182.5
115	58.4	46.2	69.4

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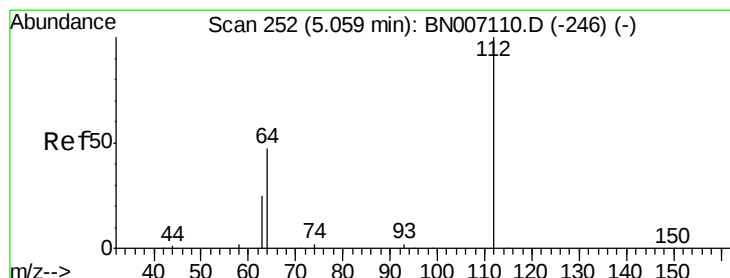
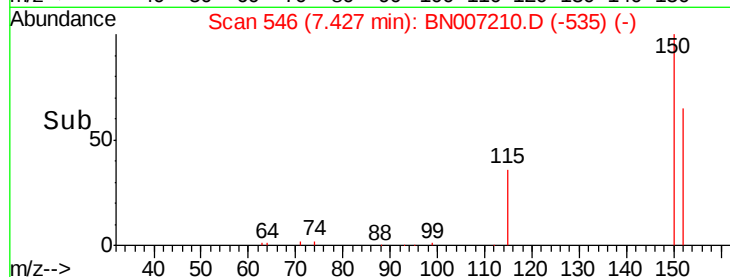
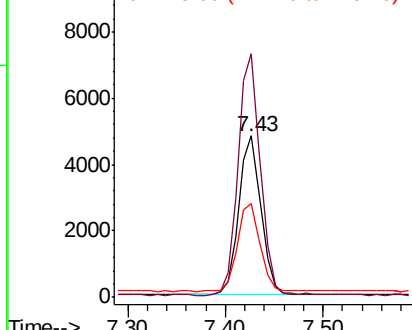


Abundance

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: 0.268 ng
 RT: 5.06 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: BN007210.D
 Acq: 15 Aug 2019 23:22

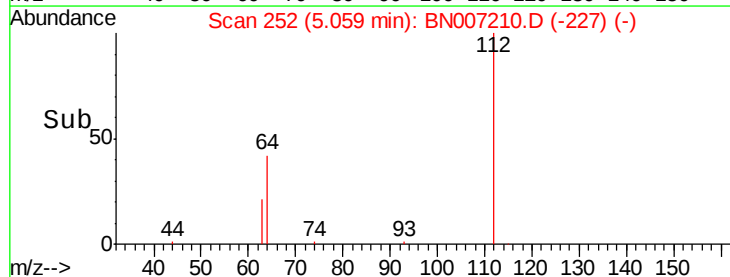
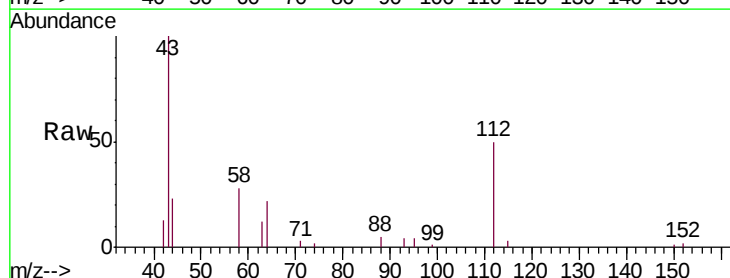
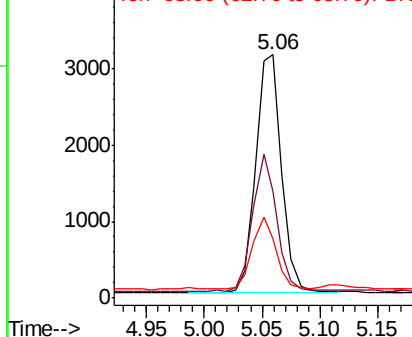
Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	42.6	63.8
63	27.9	22.2	33.2

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: 0.294 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007210.D

Acq: 15 Aug 2019 23:22

Instrument :

BNA_N

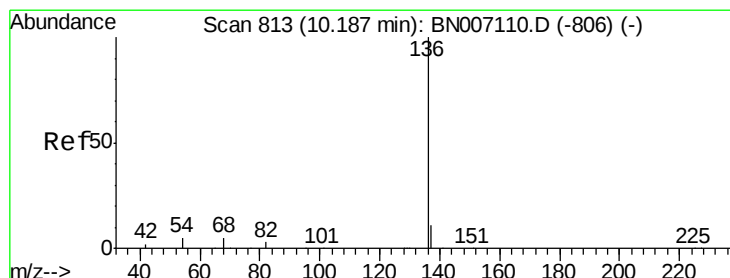
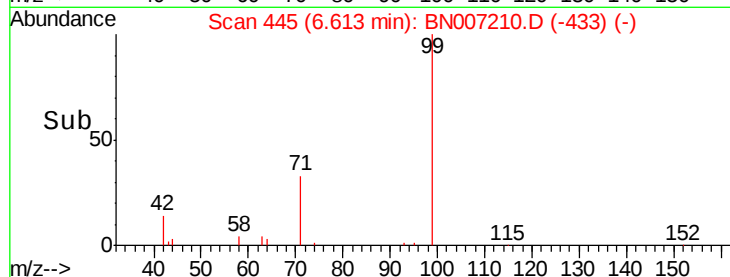
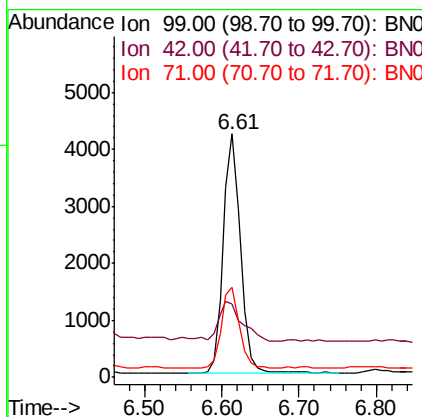
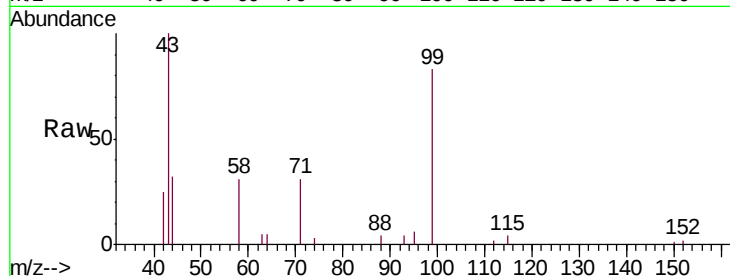
ClientSampleId :

PST-029-B215-080819

Tgt Ion:	99	Resp:	6538
Ion Ratio	Lower	Upper	
99	100		
42	22.2	15.8	23.6
71	35.8	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

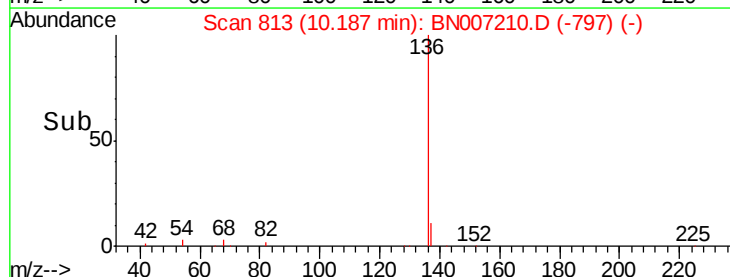
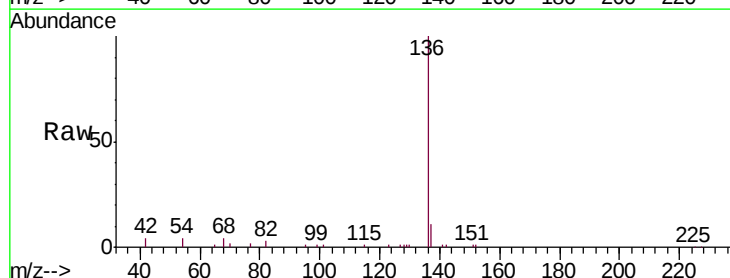
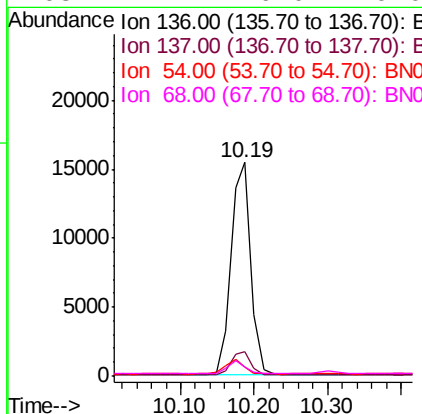
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007210.D

Acq: 15 Aug 2019 23:22

Tgt Ion:	136	Resp:	28579
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.4	14.0
54	4.4	6.6	9.8#
68	4.4	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.208 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007210.D

Acq: 15 Aug 2019 23:22

Instrument :

BNA_N

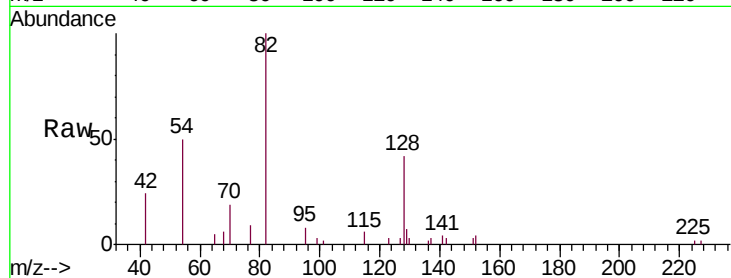
ClientSampleId :

PST-029-B215-080819

Tgt Ion:	82	Resp:	4789
Ion Ratio	Lower	Upper	
82	100		
128	41.9	34.6	51.8
54	49.7	36.2	54.4

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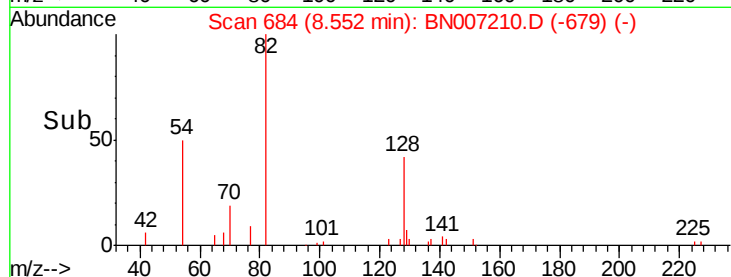


Abundance Ion 82.00 (81.70 to 82.70): BN007210.D (-681) (-)

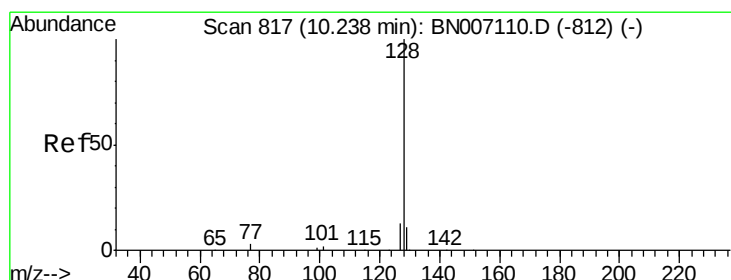
Ion 128.00 (127.70 to 128.70): BN007210.D (-681) (-)

Ion 54.00 (53.70 to 54.70): BN007210.D (-681) (-)

Time-->



Time-->



#8

Naphthalene

Concen: 0.144 ng

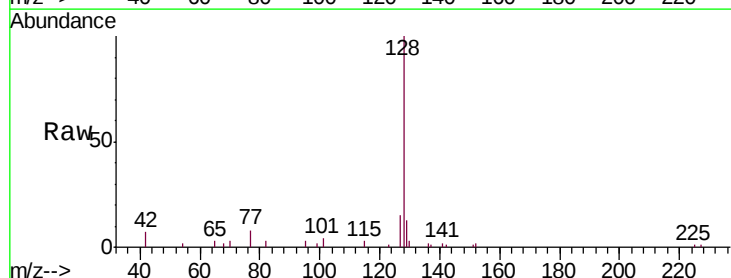
RT: 10.23 min Scan# 816

Delta R.T. -0.01 min

Lab File: BN007210.D

Acq: 15 Aug 2019 23:22

Tgt Ion:	128	Resp:	11553
Ion Ratio	Lower	Upper	
128	100		
129	12.7	9.4	14.2
127	14.5	11.0	16.6

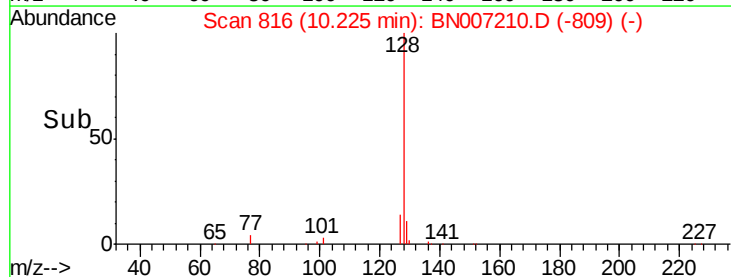


Abundance Ion 128.00 (127.70 to 128.70): BN007210.D (-812) (-)

Ion 129.00 (128.70 to 129.70): BN007210.D (-812) (-)

Ion 127.00 (126.70 to 127.70): BN007210.D (-812) (-)

Time-->



Time-->



#10

2-Methylnaphthalene-d10

Concen: 0.182 ng

RT: 11.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BN007210.D

Acq: 15 Aug 2019 23:22

Instrument :

BNA_N

ClientSampleId :

PST-029-B215-080819

Tgt Ion:152 Resp: 9696

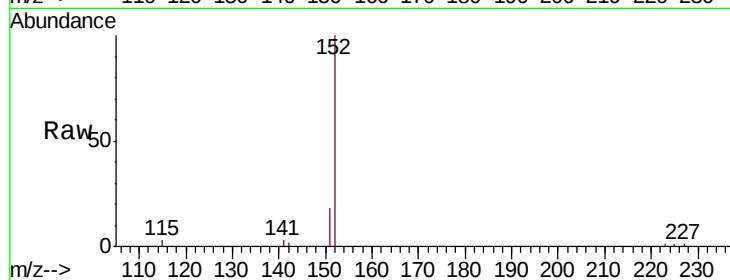
Ion Ratio Lower Upper

152 100

151 19.5 15.5 23.3

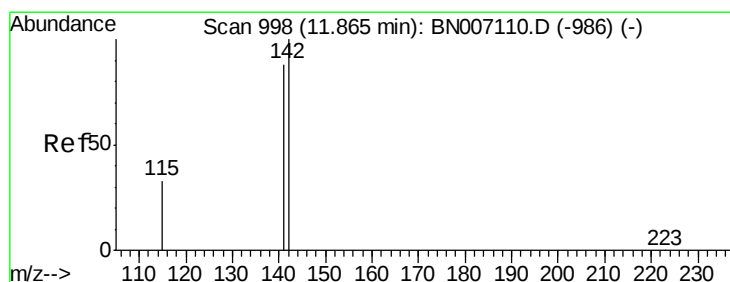
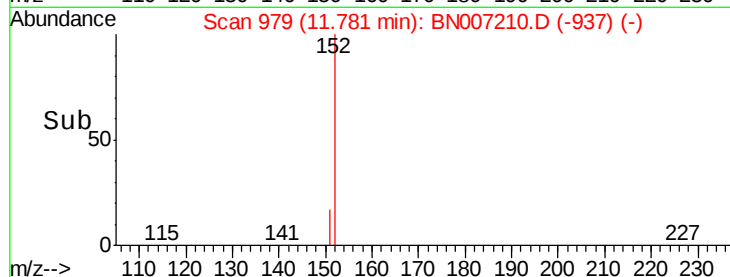
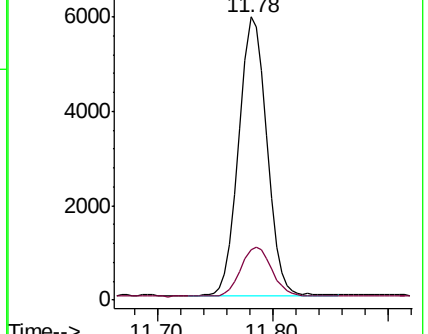
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#11

2-Methylnaphthalene

Concen: 0.113 ng

RT: 11.86 min Scan# 996

Delta R.T. -0.01 min

Lab File: BN007210.D

Acq: 15 Aug 2019 23:22

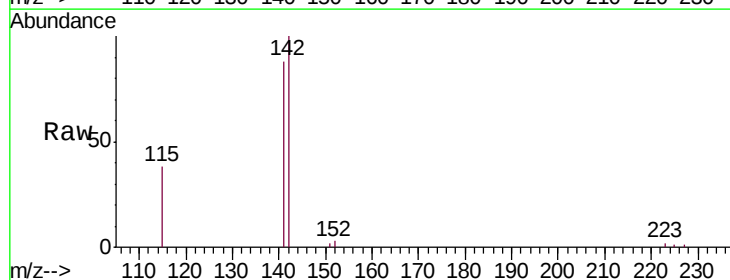
Tgt Ion:142 Resp: 6433

Ion Ratio Lower Upper

142 100

141 88.5 69.0 103.6

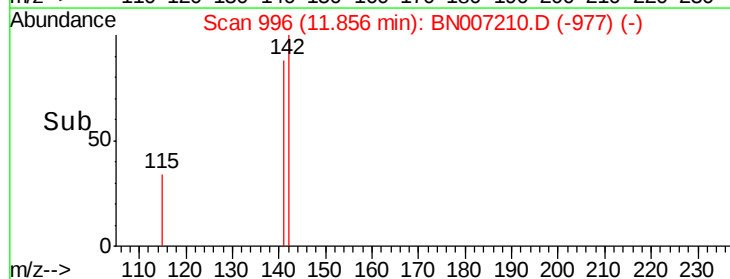
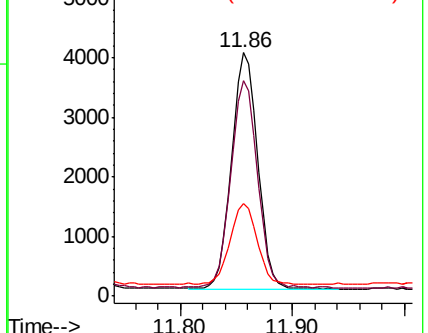
115 38.1 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007210.D

Acq: 15 Aug 2019 23:22

Instrument :

BNA_N

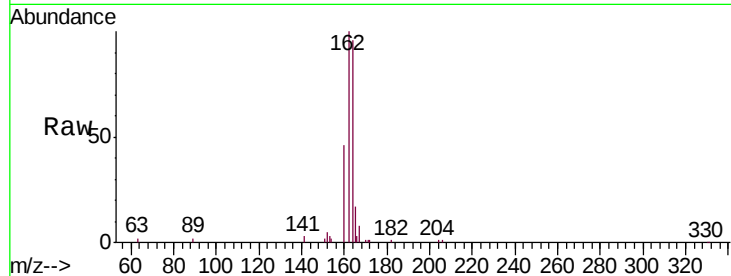
ClientSampleId :

PST-029-B215-080819

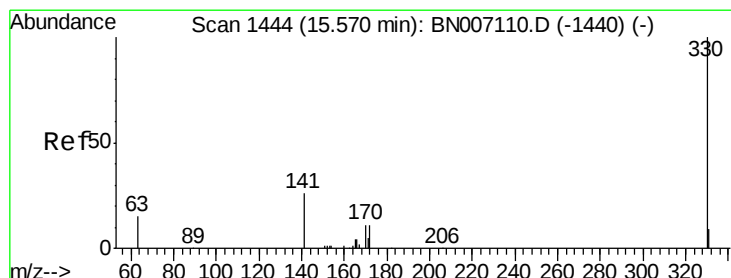
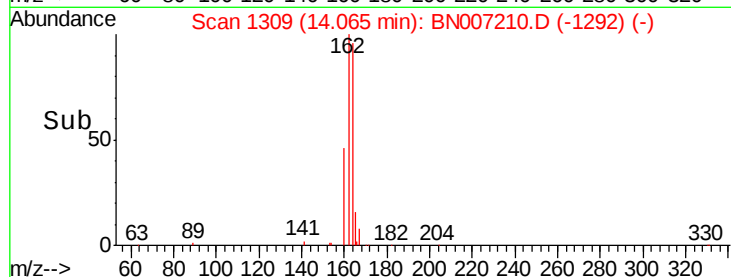
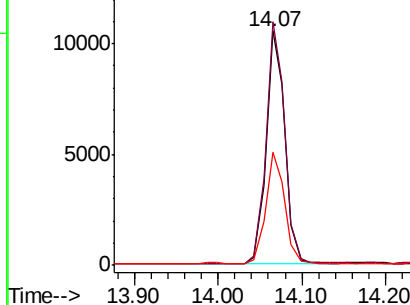
Tgt Ion:	164	Resp:	16325
Ion Ratio	Lower	Upper	
164	100		
162	103.8	82.2	123.4
160	48.0	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
15000 Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 0.178 ng

RT: 15.57 min Scan# 1444

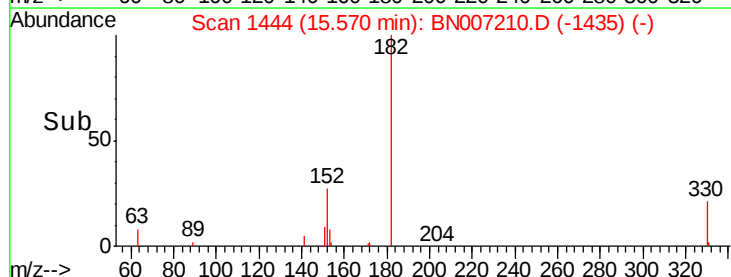
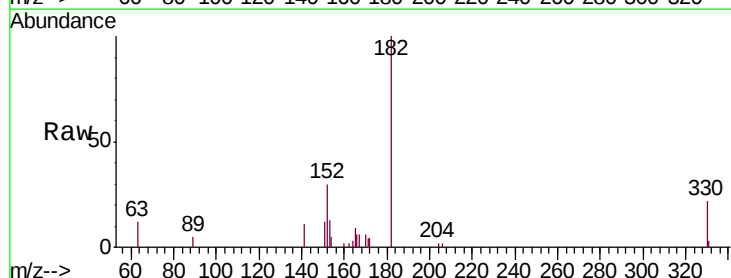
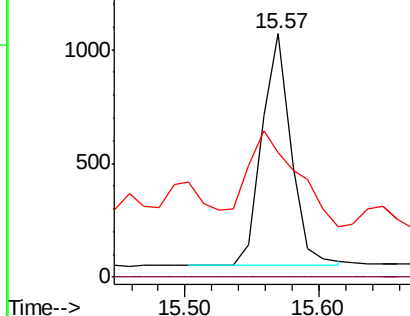
Delta R.T. -0.00 min

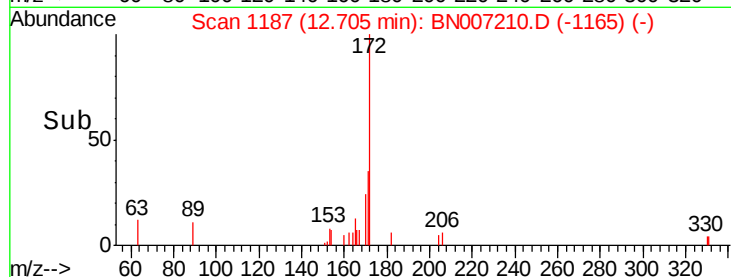
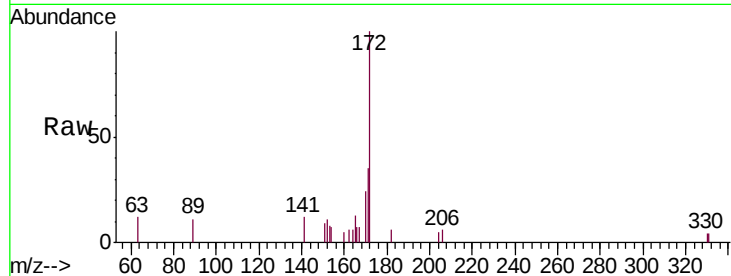
Lab File: BN007210.D

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Tgt Ion:	330	Resp:	1569
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	69.2	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





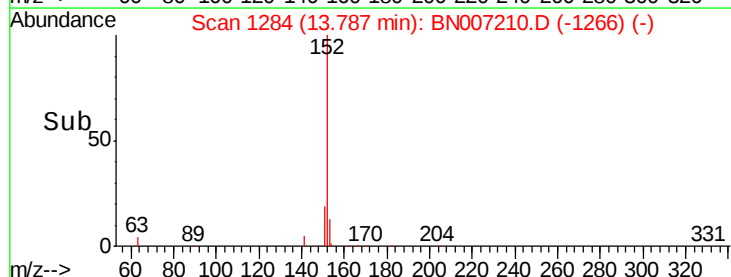
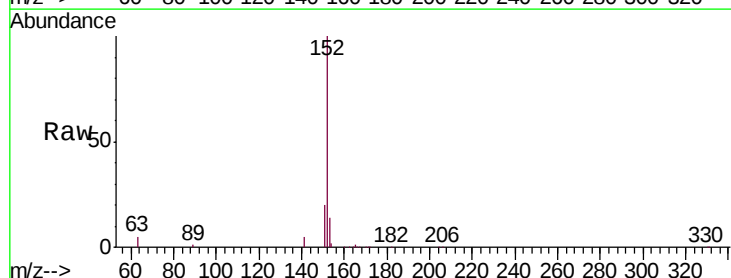
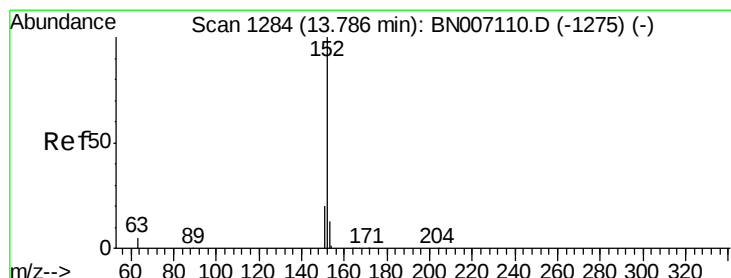
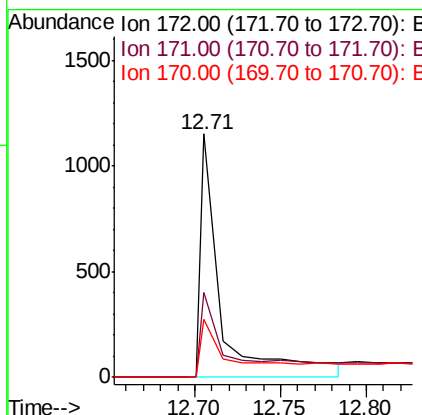
#14
2-Fluorobiphenyl
Concen: 0.044 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007210.D
Acq: 15 Aug 2019 23:22

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Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	26.3	39.5
170	23.9	17.0	25.4

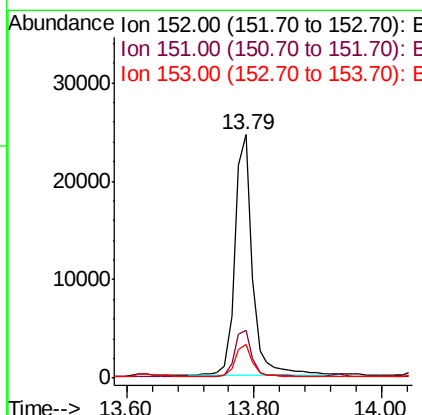
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#15
Acenaphthylene
Concen: 0.553 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007210.D
Acq: 15 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.3	10.4	15.6





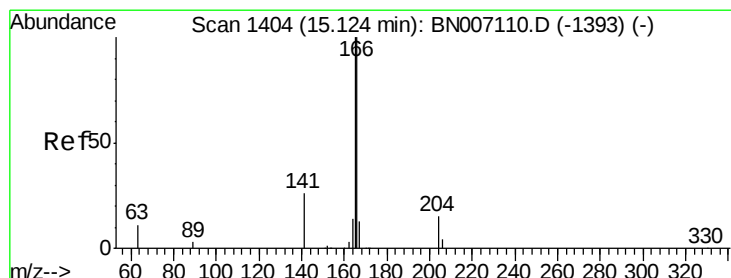
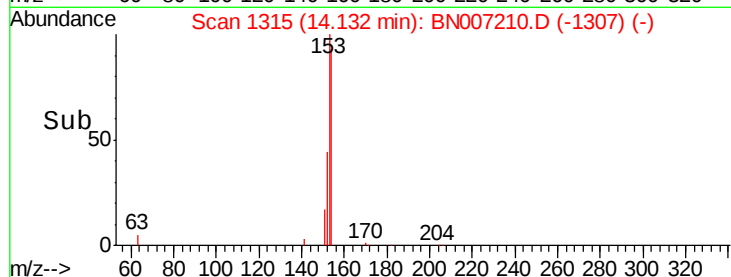
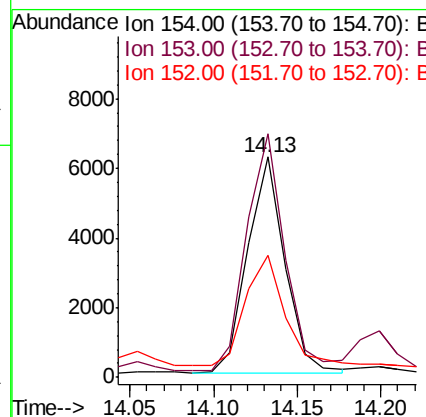
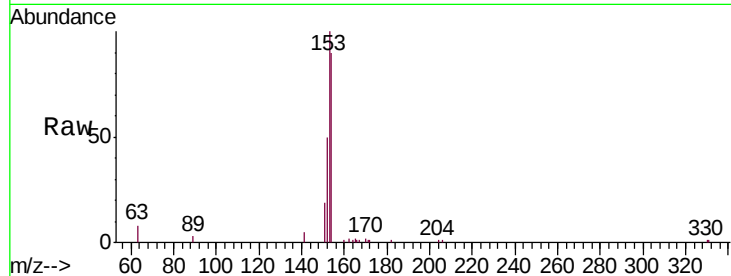
#16
Acenaphthene
Concen: 0.175 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007210.D
Acq: 15 Aug 2019 23:22

Instrument :
BNA_N
ClientSampleId :
PST-029-B215-080819

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.5	134.3
152	60.3	44.8	67.2

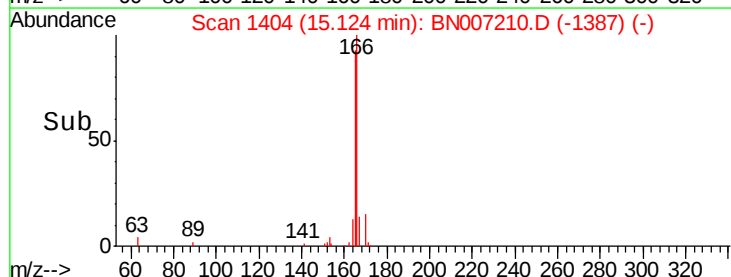
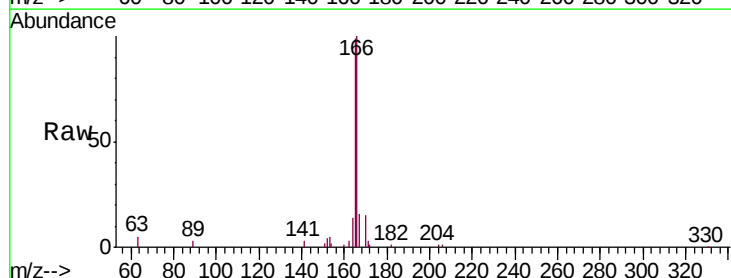
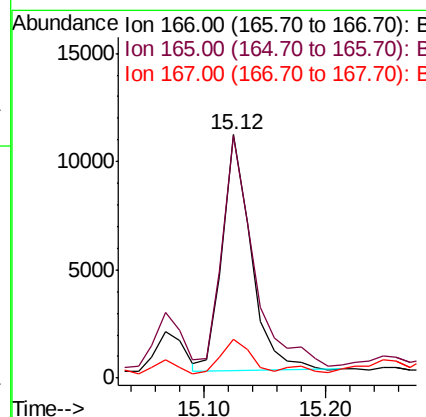
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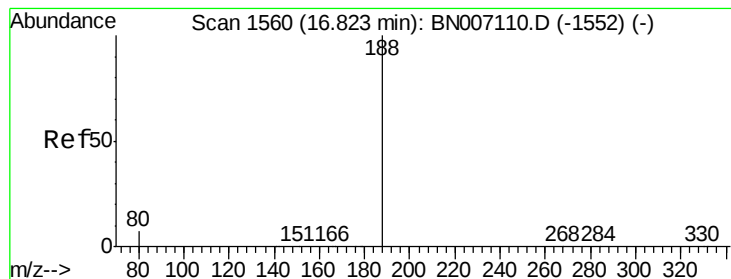
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#17
Fluorene
Concen: 0.219 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007210.D
Acq: 15 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.2	77.9	116.9
167	14.6	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: BN007210.D

Acq: 15 Aug 2019 23:22

Instrument :

BNA_N

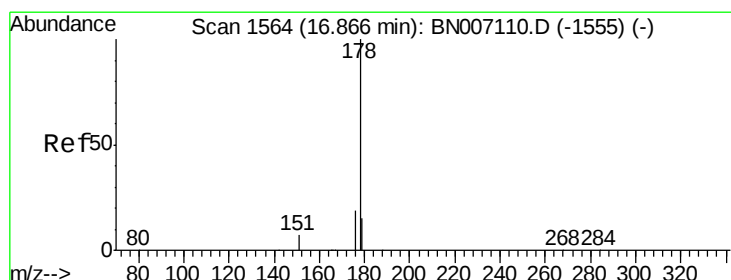
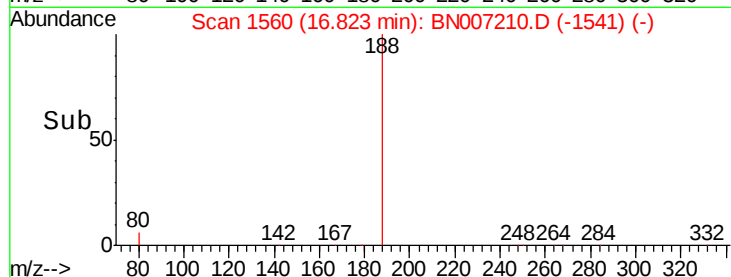
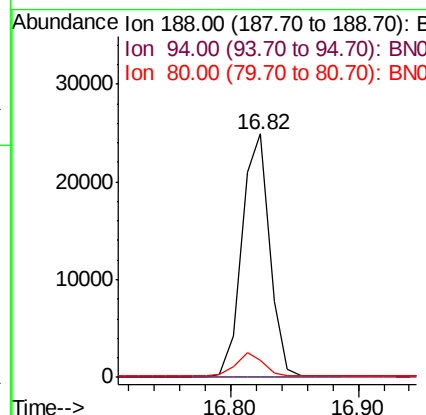
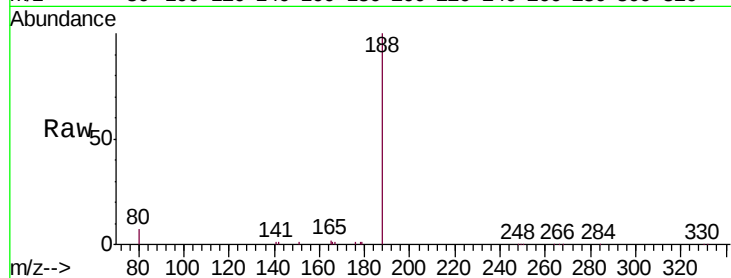
ClientSampleId :

PST-029-B215-080819

Tgt Ion:	188	Resp:	37573
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.8	7.8	11.6#

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#22

Phenanthrene

Concen: 3.963 ng

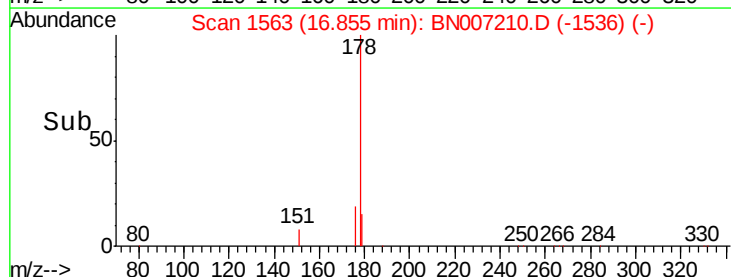
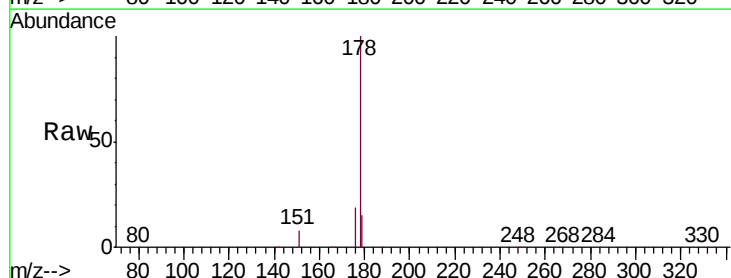
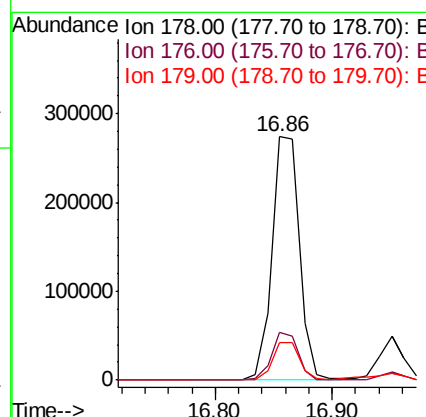
RT: 16.86 min Scan# 1563

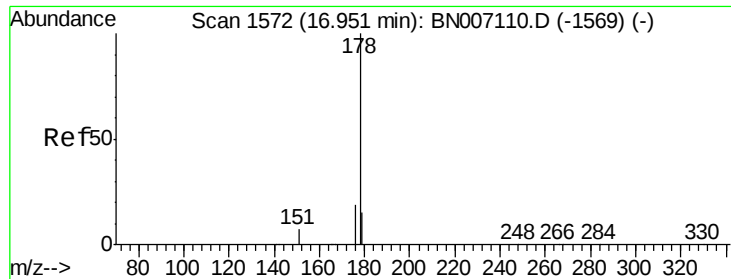
Delta R.T. -0.01 min

Lab File: BN007210.D

Acq: 15 Aug 2019 23:22

Tgt Ion:	178	Resp:	446297
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	15.3	12.3	18.5





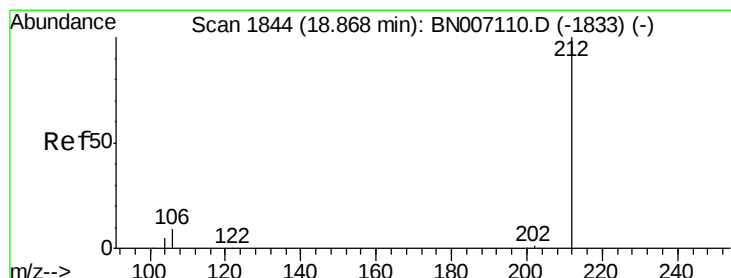
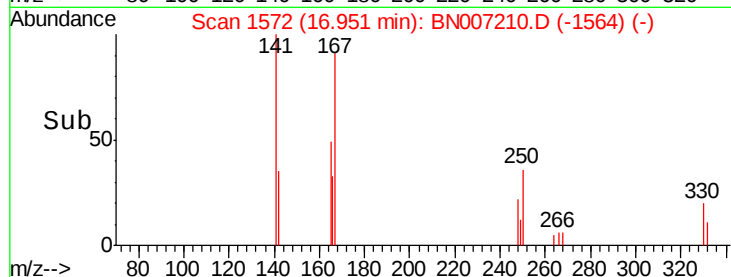
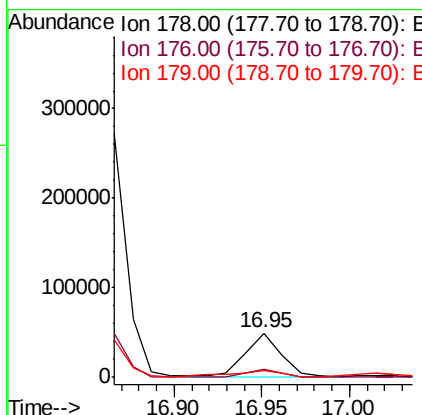
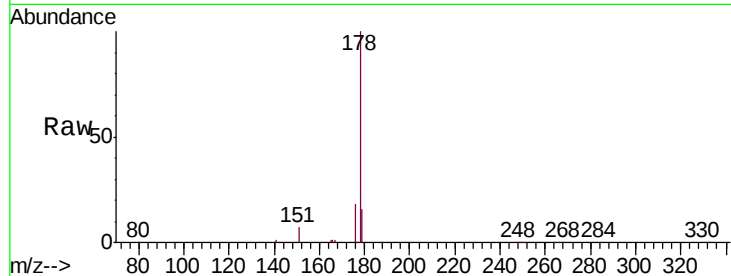
#23
 Anthracene
 Concen: 0.649 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007210.D
 Acq: 15 Aug 2019 23:22

Instrument :
 BNA_N
 ClientSampleId :
 PST-029-B215-080819

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	21.4	12.5	18.7

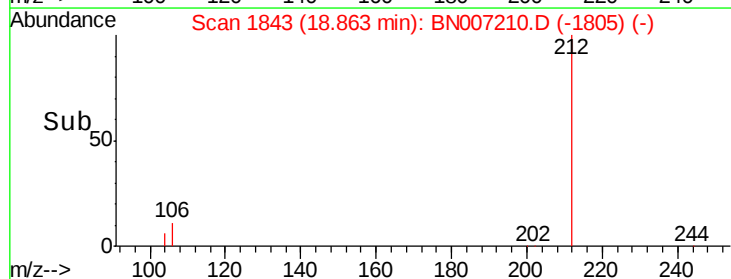
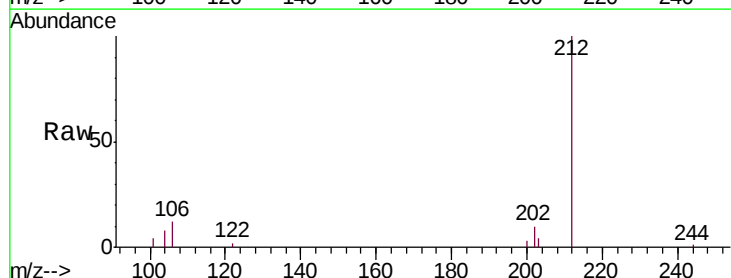
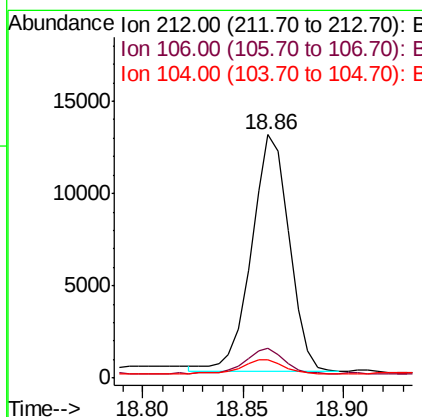
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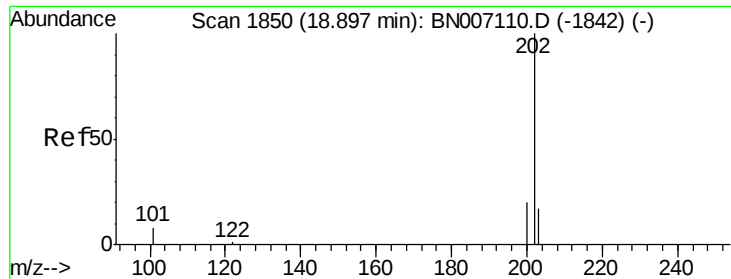
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#24
 Fluoranthene-d10
 Concen: 0.126 ng
 RT: 18.86 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BN007210.D
 Acq: 15 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.6	8.2	12.2
104	7.1	4.5	6.7





#25

Fluoranthene

Concen: 5.041 ng

RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN007210.D

Acq: 15 Aug 2019 23:22

Instrument :

BNA_N

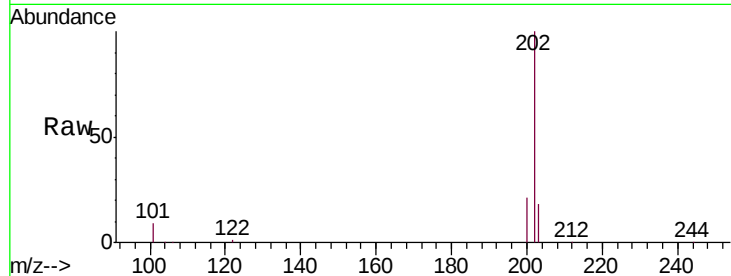
ClientSampleId :

PST-029-B215-080819

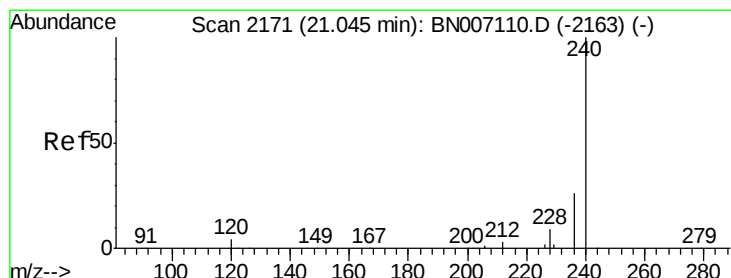
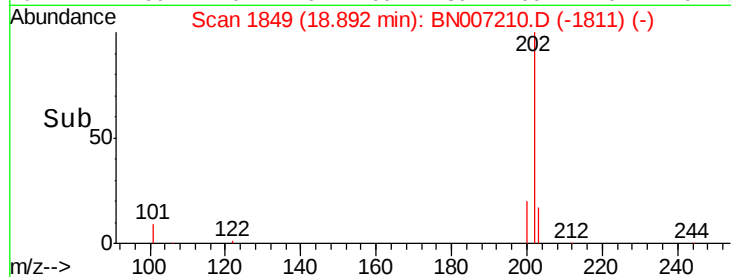
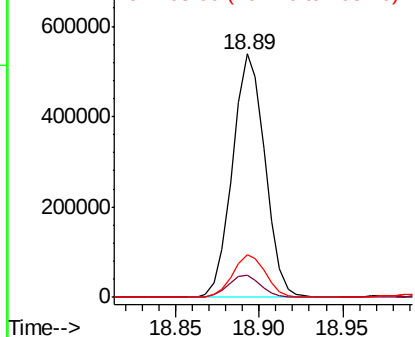
Tgt	Ion	202	Resp:	726066
Ion	Ratio	Lower	Upper	
202	100			
101	9.0	7.0	10.4	
203	17.6	13.8	20.8	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2170

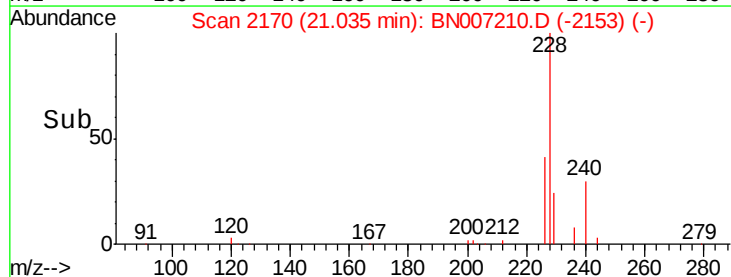
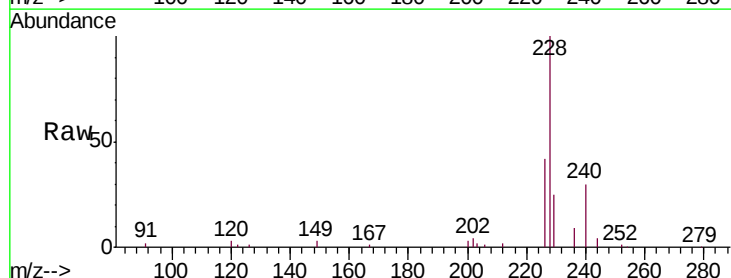
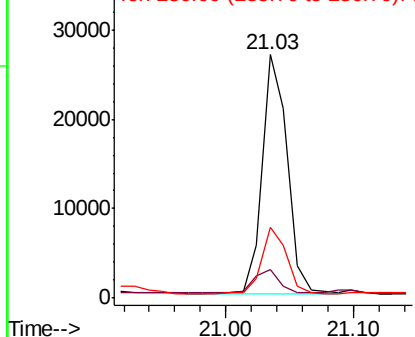
Delta R.T. -0.02 min

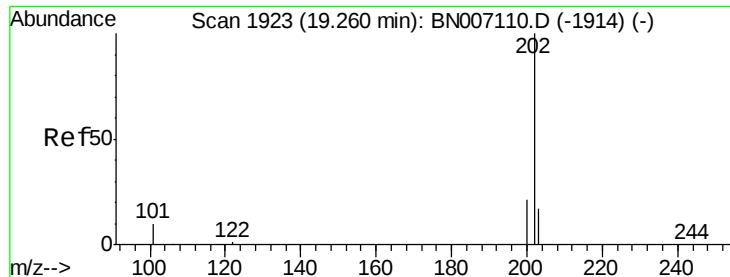
Lab File: BN007210.D

Acq: 15 Aug 2019 23:22

Tgt	Ion	240	Resp:	36561
Ion	Ratio	Lower	Upper	
240	100			
120	11.5	4.0	6.0#	
236	28.9	21.3	31.9	

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





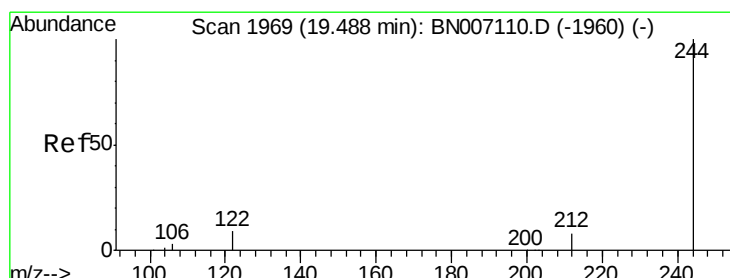
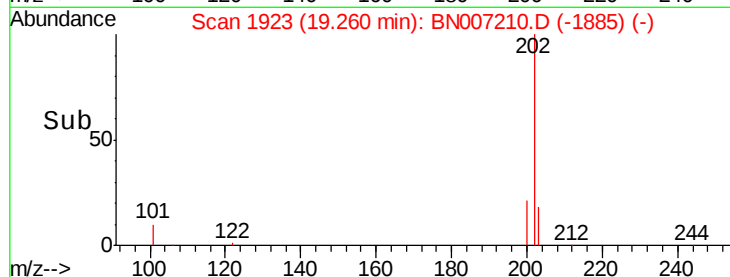
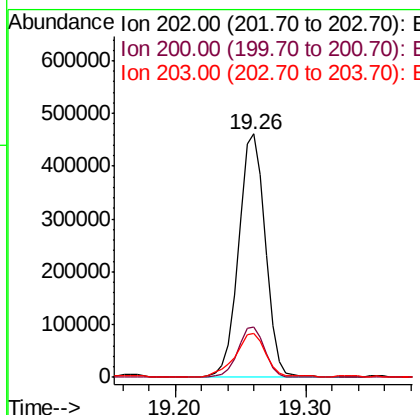
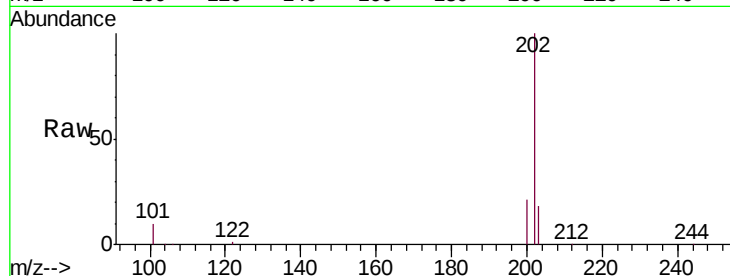
#27
 Pyrene
 Concen: 5.136 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007210.D
 Acq: 15 Aug 2019 23:22

Instrument :
 BNA_N
 ClientSampleId :
 PST-029-B215-080819

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.8	16.6	24.8
203	20.9	14.0	21.0

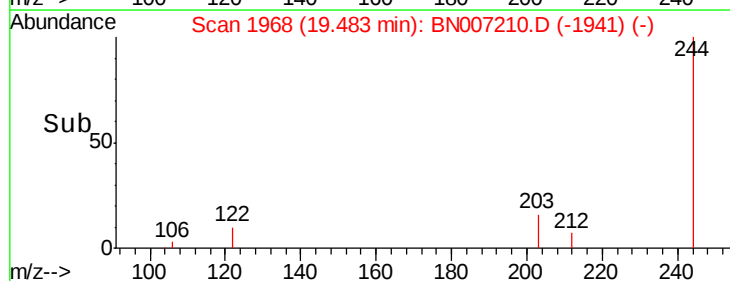
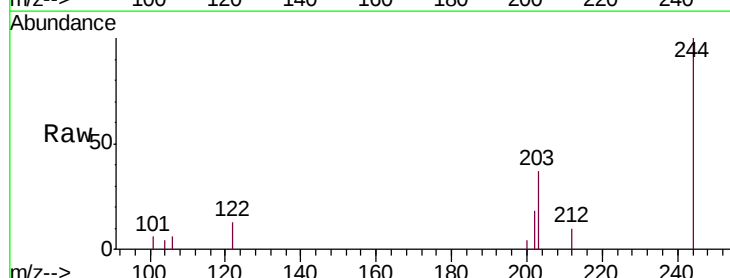
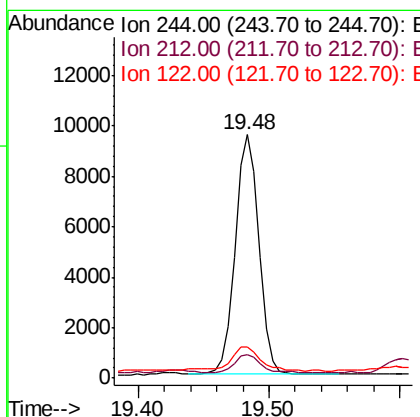
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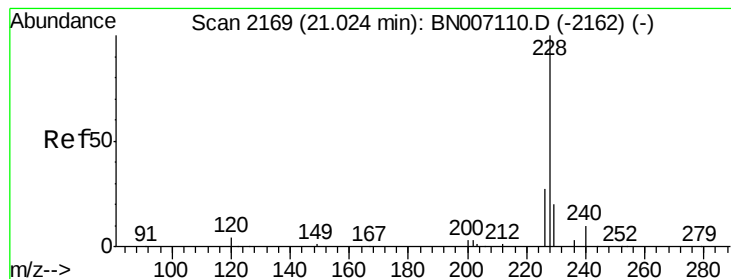
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#28
 Terphenyl-d14
 Concen: 0.121 ng
 RT: 19.48 min Scan# 1968
 Delta R.T. -0.02 min
 Lab File: BN007210.D
 Acq: 15 Aug 2019 23:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.8	6.2	9.2#
122	12.6	7.4	11.2#





#29

Benzo(a)anthracene

Concen: 2.604 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007210.D

Acq: 15 Aug 2019 23:22

Instrument :

BNA_N

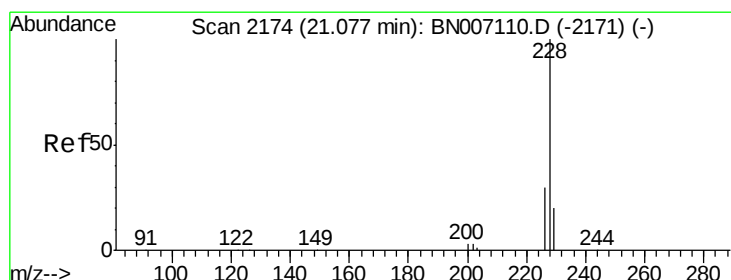
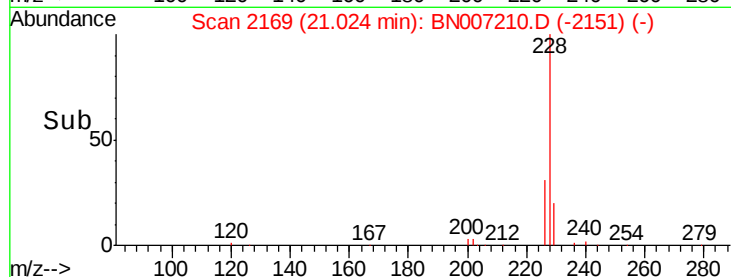
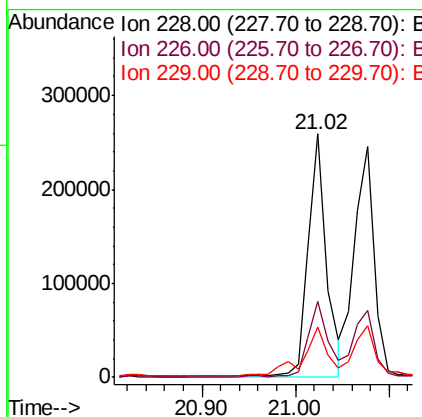
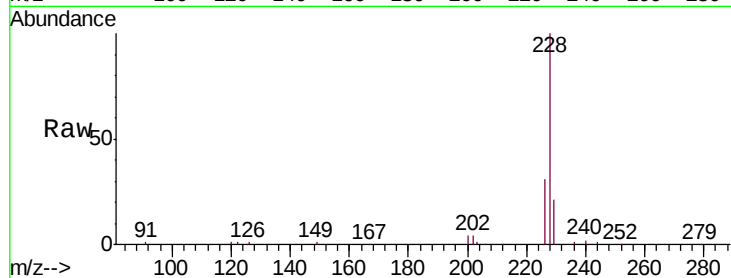
ClientSampleId :

PST-029-B215-080819

Tgt Ion:	228	Resp:	348142
Ion Ratio	Lower	Upper	
228	100		
226	31.0	21.8	32.6
229	20.9	15.6	23.4

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#30

Chrysene

Concen: 2.753 ng

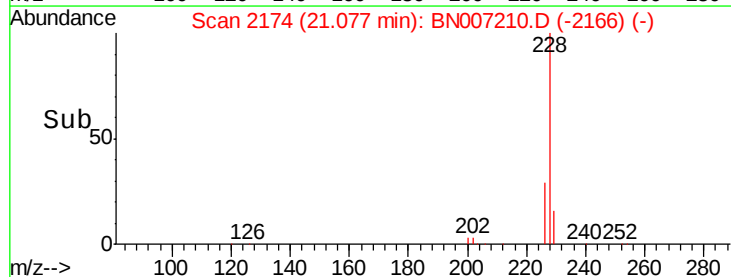
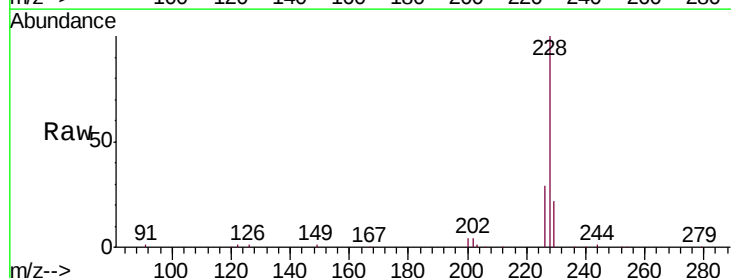
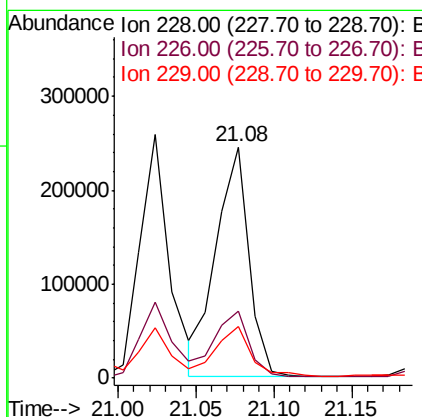
RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007210.D

Acq: 15 Aug 2019 23:22

Tgt Ion:	228	Resp:	357563
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.8	35.6
229	22.3	15.7	23.5





#31

Indeno(1,2,3-cd)pyrene

Concen: 1.455 ng

RT: 25.23 min Scan# 3123

Delta R.T. -0.03 min

Lab File: BN007210.D

Acq: 15 Aug 2019 23:22

Instrument :

BNA_N

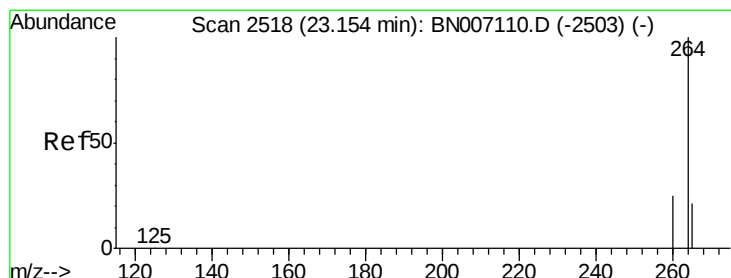
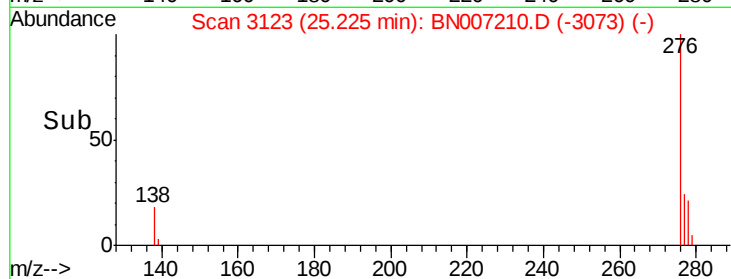
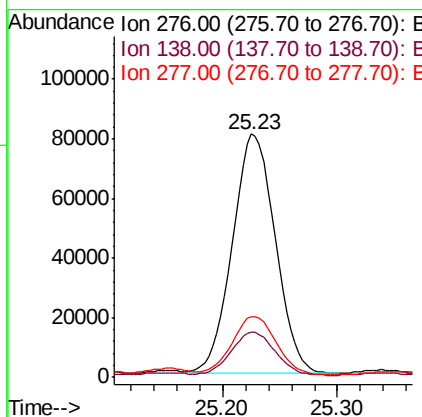
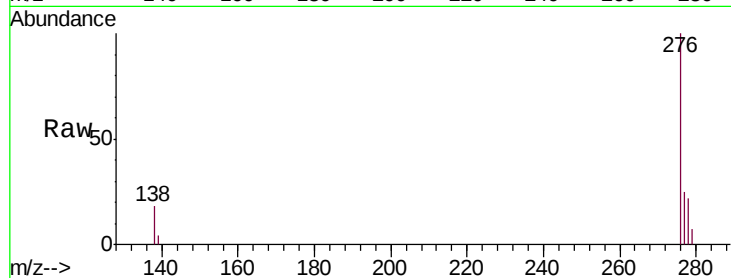
ClientSampleId :

PST-029-B215-080819

Tgt Ion:	276	Resp:	208342
Ion Ratio	Lower	Upper	
276	100		
138	18.5	16.0	24.0
277	25.0	19.9	29.9

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#32

Perylene-d12

Concen: 0.400 ng

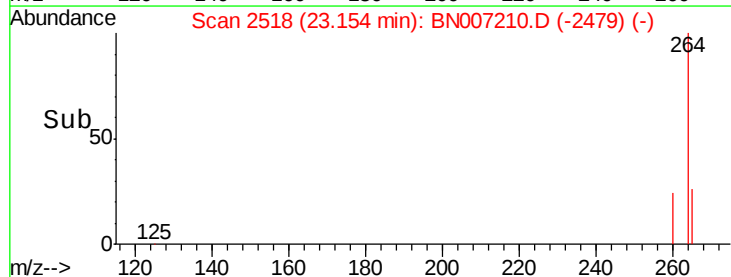
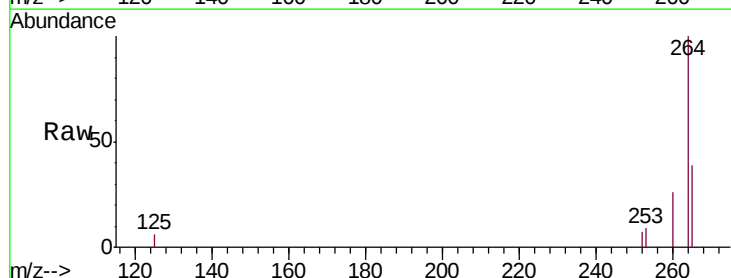
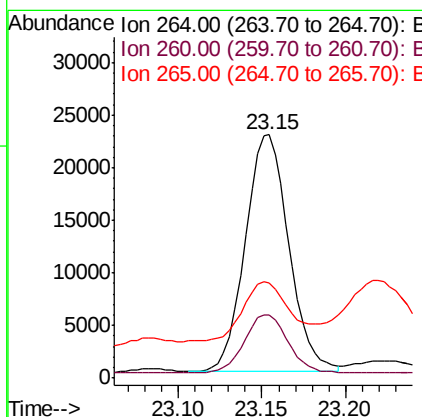
RT: 23.15 min Scan# 2518

Delta R.T. -0.02 min

Lab File: BN007210.D

Acq: 15 Aug 2019 23:22

Tgt Ion:	264	Resp:	40912
Ion Ratio	Lower	Upper	
264	100		
260	26.0	19.8	29.8
265	39.1	26.2	39.4





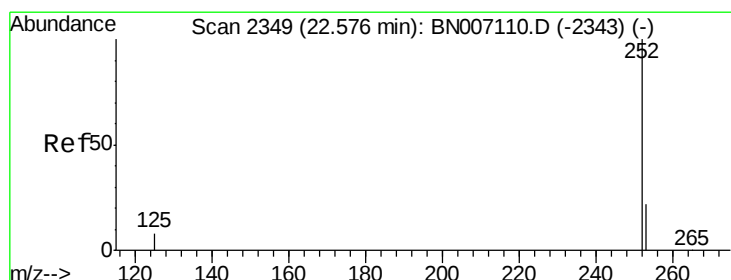
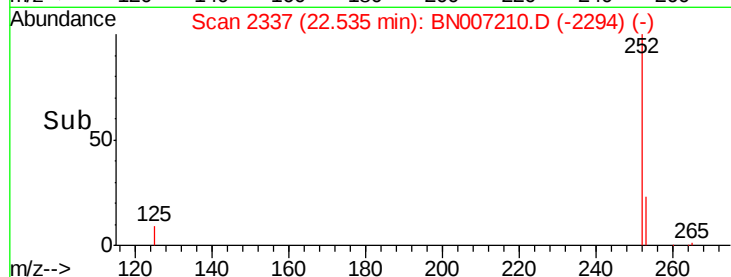
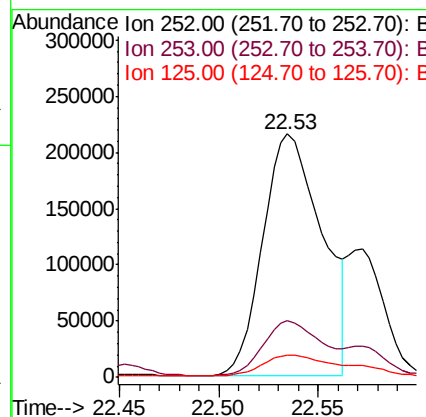
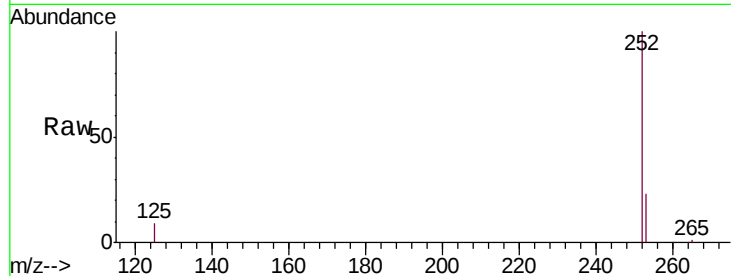
#33
Benzo(b)fluoranthene
Concen: 3.192 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007210.D
Acq: 15 Aug 2019 23:22

Instrument :
BNA_N
ClientSampleId :
PST-029-B215-080819

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	447851		
253	23.1	18.2	27.2	
125	9.2	7.4	11.0	

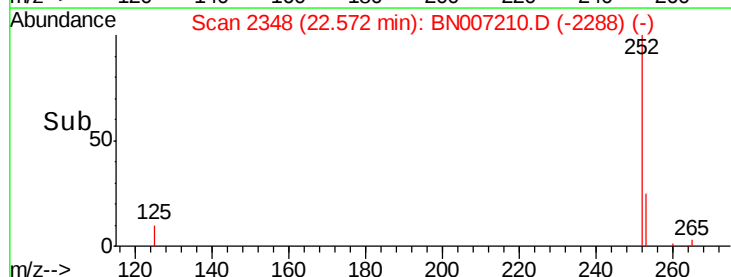
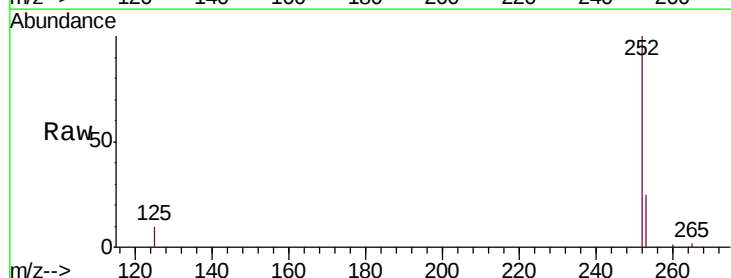
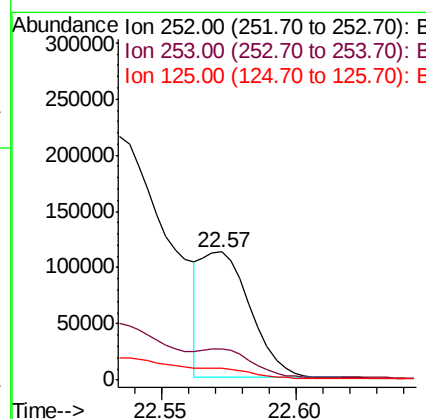
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#34
Benzo(k)fluoranthene
Concen: 1.021 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007210.D
Acq: 15 Aug 2019 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	141405		
253	24.5	18.1	27.1	
125	9.5	7.4	11.0	





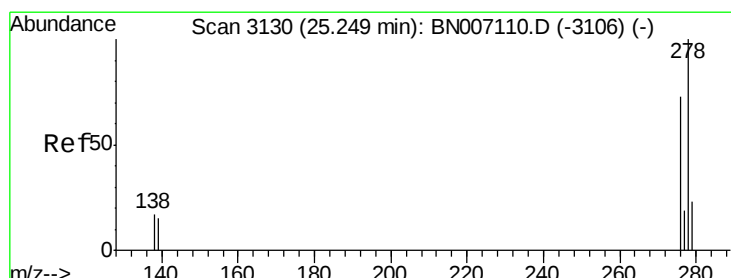
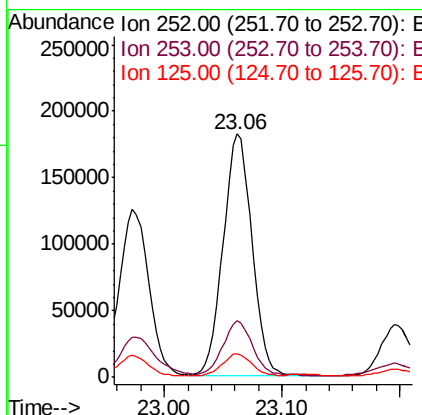
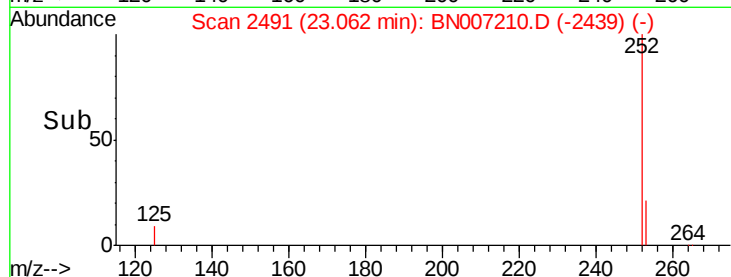
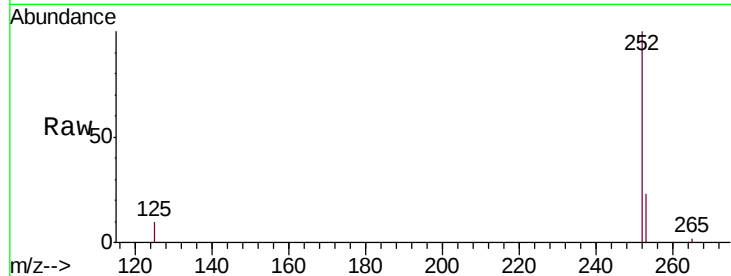
#35
Benzo(a)pyrene
Concen: 2.414 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007210.D
Acq: 15 Aug 2019 23:22

Instrument :
BNA_N
ClientSampleId :
PST-029-B215-080819

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	307079		
253	23.1	18.5	27.7	
125	9.6	8.2	12.4	

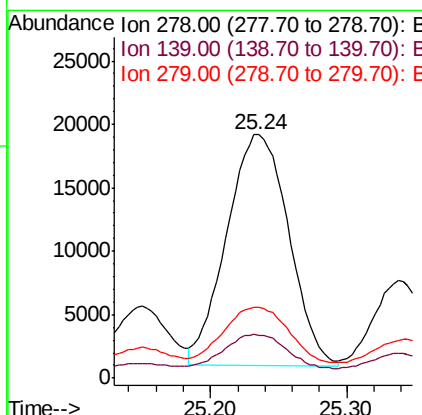
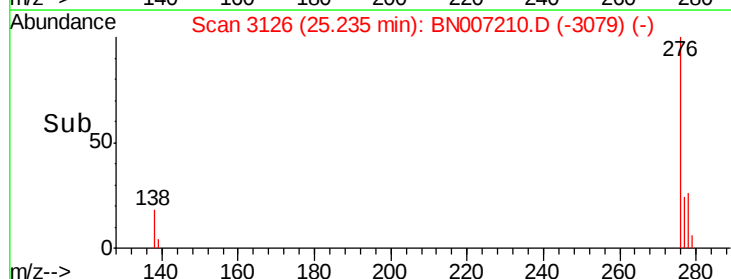
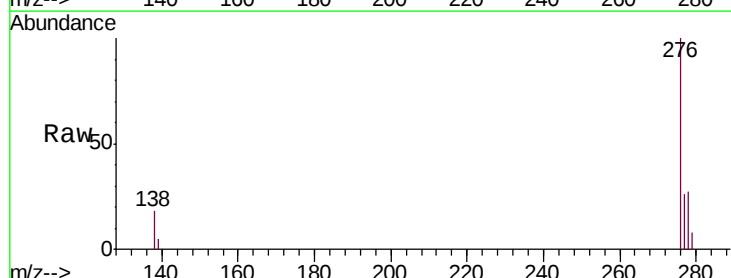
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#36
Dibenzo(a,h)anthracene
Concen: 0.456 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.04 min
Lab File: BN007210.D
Acq: 15 Aug 2019 23:22

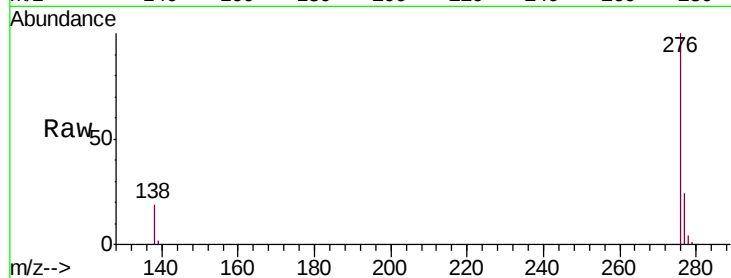
Tgt Ion	Ratio	Resp	Lower	Upper
278	100	57849		
139	17.7	11.3	16.9#	
279	29.1	19.3	28.9#	





#37
 Benzo(g,h,i)perylene
 Concen: 1.548 ng
 RT: 25.85 min Scan# 3307
 Delta R.T. -0.02 min
 Lab File: BN007210.D
 Acq: 15 Aug 2019 23:22

Instrument :
 BNA_N
 ClientSampleId :
 PST-029-B215-080819



Tgt	Ion	Ratio	Lower	Upper
276	100			
277	24.4	19.8	29.8	
138	18.8	14.6	22.0	

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