

Data File : BN007212.D
Acq On : 16 Aug 2019 00:34
Operator : HP/JU
Sample : K4282-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-016-B057-080819

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:12:05 PM

Quant Time: Aug 16 07:50:23 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	7318	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	28173	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	16200	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	38116	0.40	ng	0.00
26) Chrysene-d12	21.05	240	37225	0.40	ng	-0.01
32) Perylene-d12	23.15	264	45252	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	5395	0.31	ng	0.00
4) Phenol-d6	6.61	99	7259	0.33	ng	0.00
7) Nitrobenzene-d5	8.55	82	5237	0.23	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	12219	0.23	ng	-0.01
13) 2,4,6-Tribromophenol	15.57	330	1982	0.23	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	1338	0.06	ng	0.00
24) Fluoranthene-d10	18.86	212	28695	0.21	ng	0.00
28) Terphenyl-d14	19.48	244	24337	0.24	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Naphthalene	10.23	128	24722	0.313	ng	99
11) 2-Methylnaphthalene	11.86	142	8208	0.147	ng	95
15) Acenaphthylene	13.79	152	170831	2.018	ng	100
16) Acenaphthene	14.13	154	2080	0.038	ng	# 77
17) Fluorene	15.15	166	11010	0.136	ng	# 67
22) Phenanthrene	16.86	178	256390	2.244	ng	99
23) Anthracene	16.95	178	176209	1.688	ng	100
25) Fluoranthene	18.90	202	2275192	15.570	ng	99
27) Pyrene	19.26	202	2084530	15.968	ng	97
29) Benzo(a)anthracene	21.02	228	2096685m	15.402	ng	
30) Chrysene	21.08	228	1526120	11.538	ng	97
31) Indeno(1,2,3-cd)pyrene	25.23	276	1101356	7.555	ng	98
33) Benzo(b)fluoranthene	22.54	252	2319136	14.946	ng	99
34) Benzo(k)fluoranthene	22.57	252	1080464m	7.050	ng	
35) Benzo(a)pyrene	23.07	252	1815671	12.907	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	342128	2.438	ng	94
37) Benzo(g,h,i)perylene	25.86	276	920710	6.377	ng	99

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

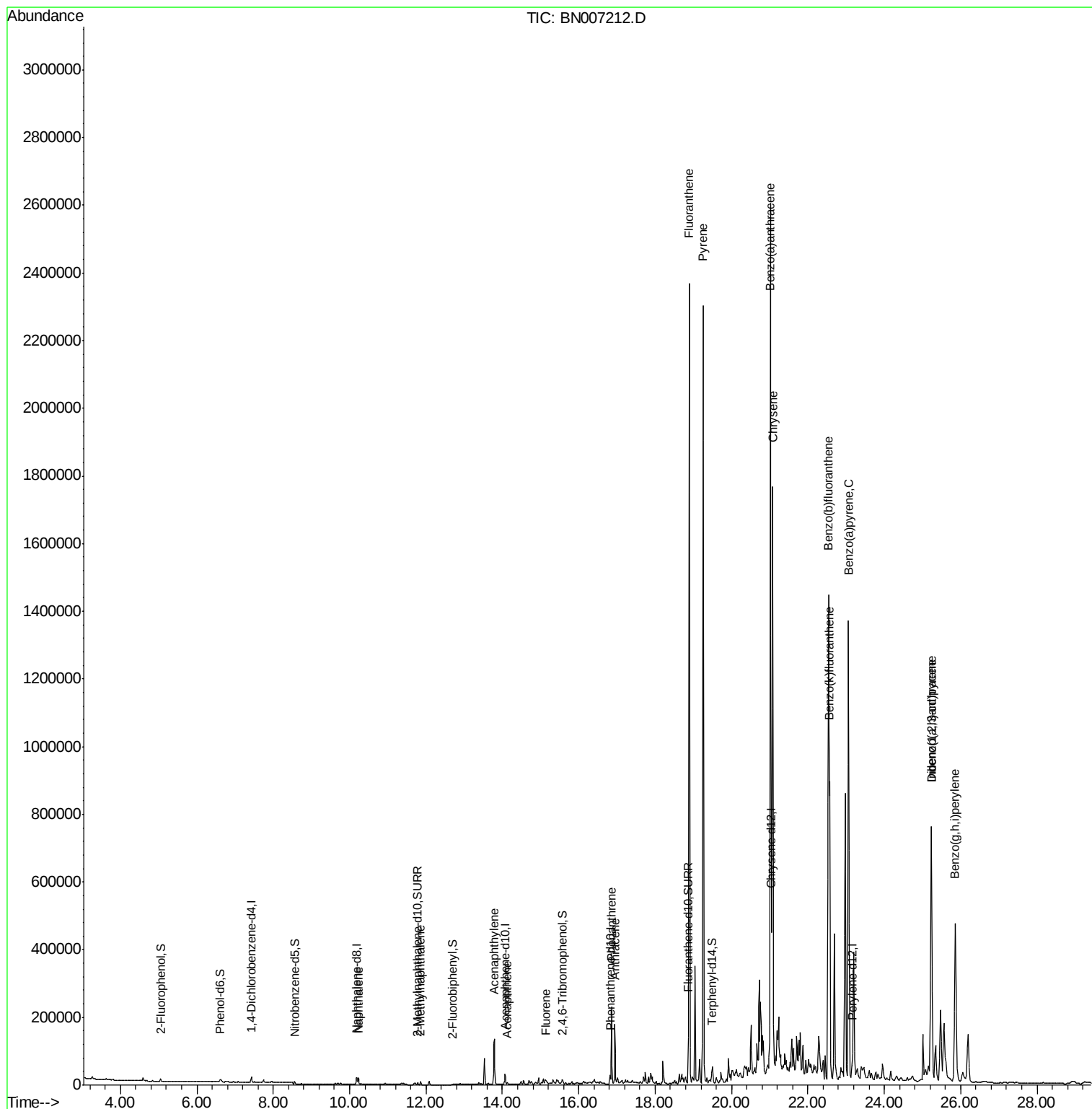
Data File : BN007212.D
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ALS Vial : 14 Sample Multiplier: 1

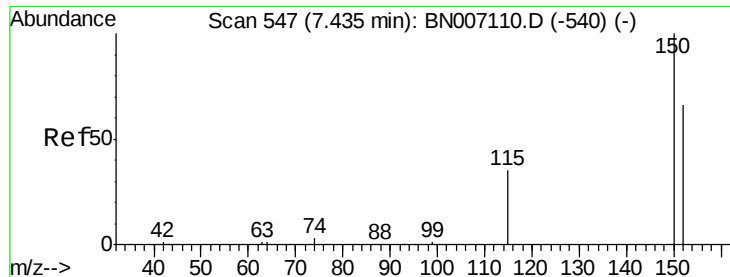
Instrument :
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ClientSampleId :
PST-016-B057-080819

Manual Integrations
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#1

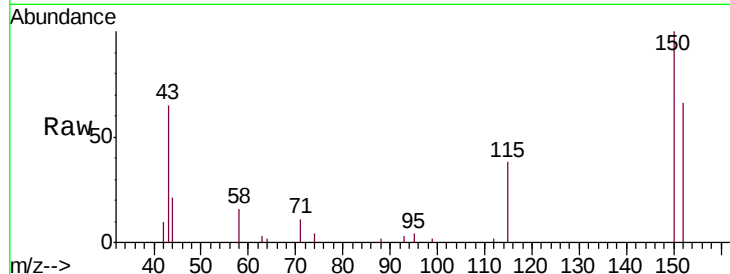
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007212.D
Acq: 16 Aug 2019 00:34

Instrument :
BNA_N
ClientSampleId :
PST-016-B057-080819

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.3	121.7	182.5
115	58.2	46.2	69.4

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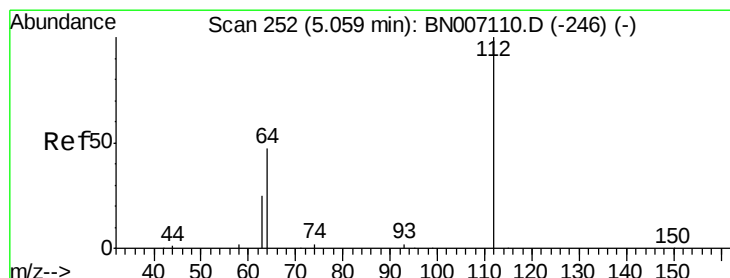
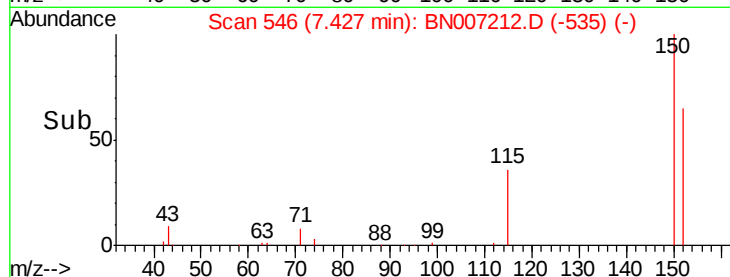
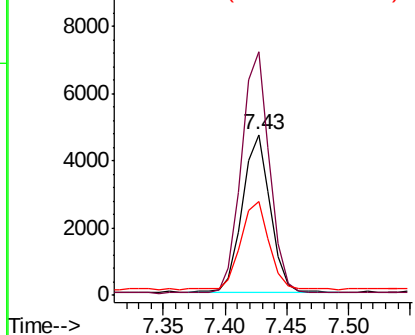


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

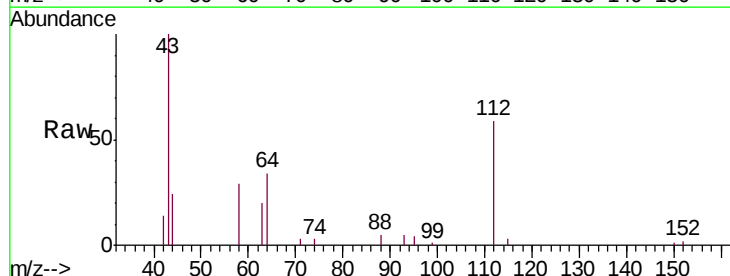
Ion 115.00 (114.70 to 115.70): E



#3

2-Fluorophenol
Concen: 0.307 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007212.D
Acq: 16 Aug 2019 00:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	42.6	63.8
63	27.0	22.2	33.2

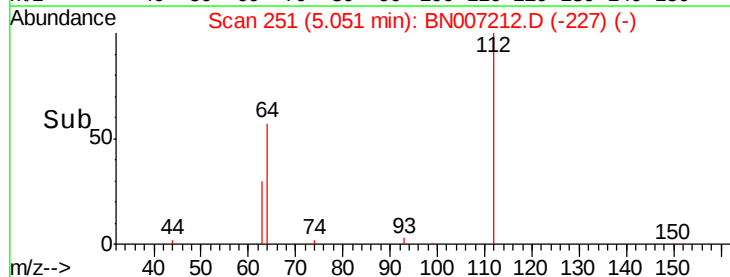
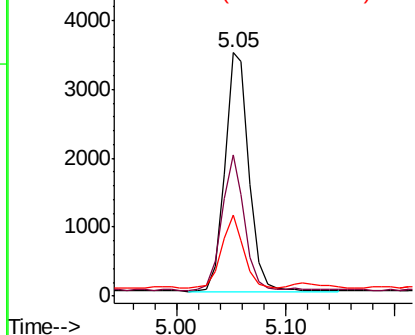


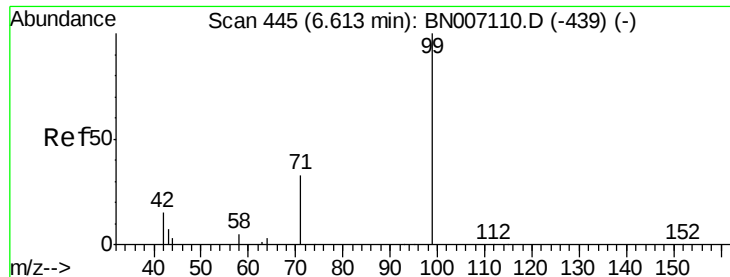
Abundance

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: 0.333 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Instrument :

BNA_N

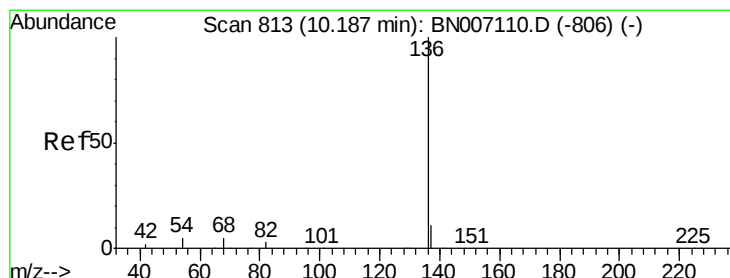
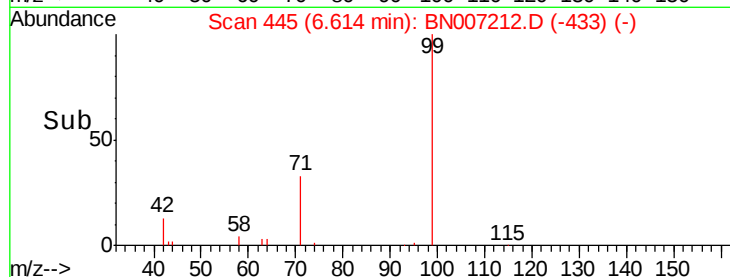
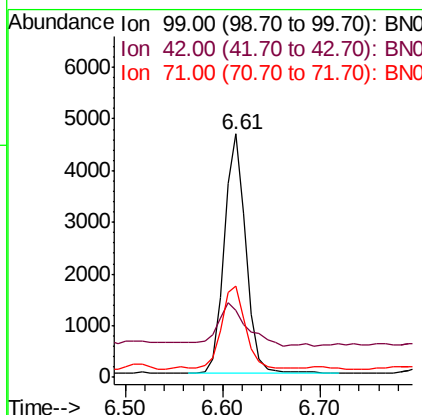
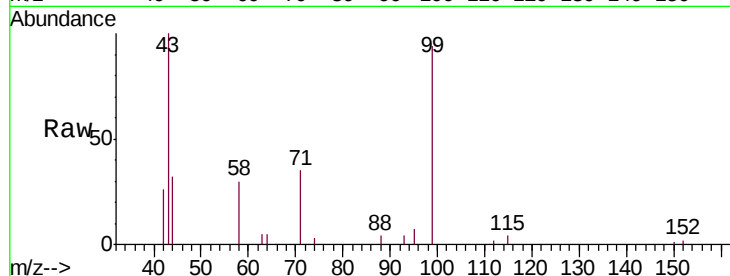
ClientSampleId :

PST-016-B057-080819

Tgt Ion:	99	Resp:	7259
Ion Ratio	Lower	Upper	
99	100		
42	23.4	15.8	23.6
71	38.8	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

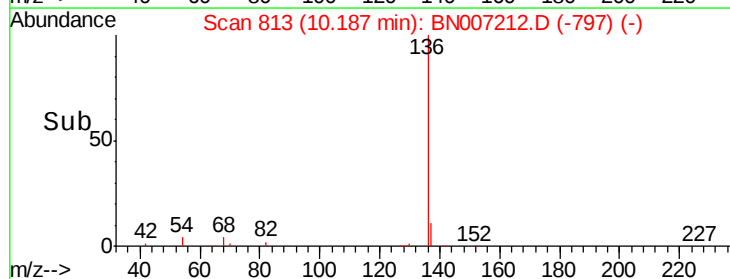
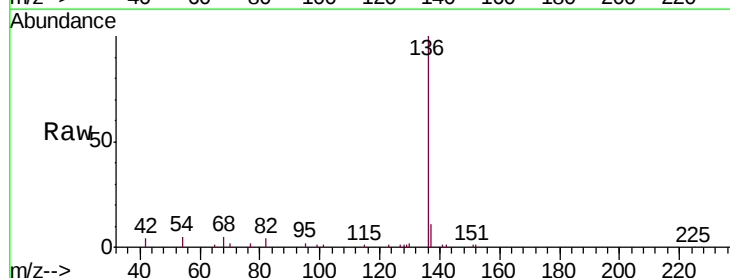
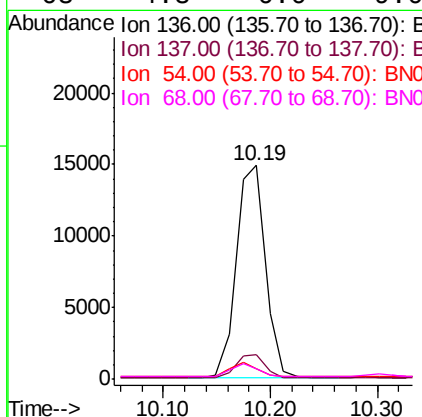
RT: 10.19 min Scan# 813

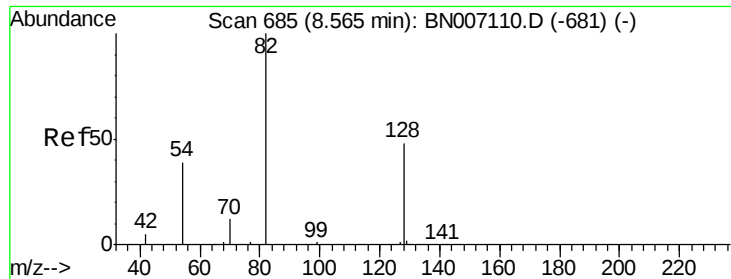
Delta R.T. -0.00 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Tgt Ion:	136	Resp:	28173
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.4	14.0
54	4.7	6.6	9.8#
68	4.8	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.231 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Instrument :

BNA_N

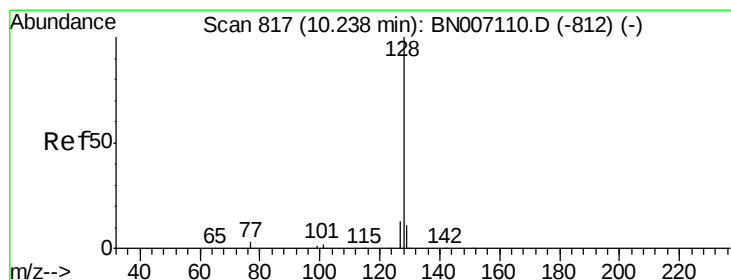
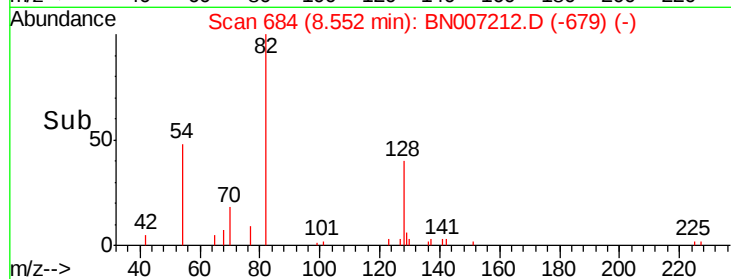
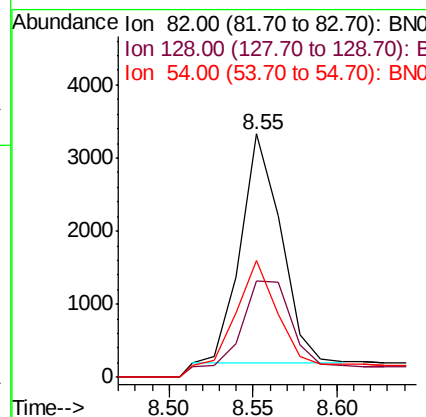
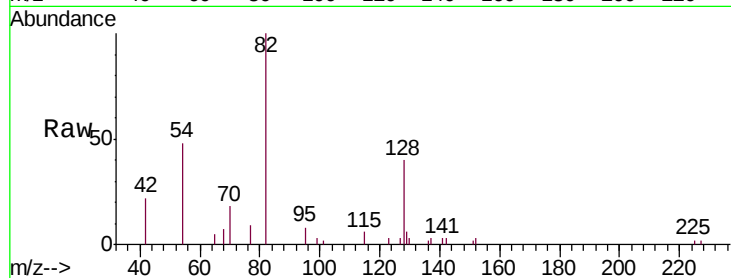
ClientSampleId :

PST-016-B057-080819

Tgt Ion:	82	Resp:	5237
Ion Ratio	Lower	Upper	
82	100		
128	39.8	34.6	51.8
54	48.1	36.2	54.4

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#8

Naphthalene

Concen: 0.313 ng

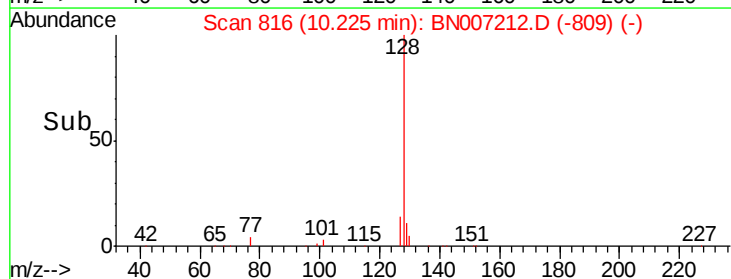
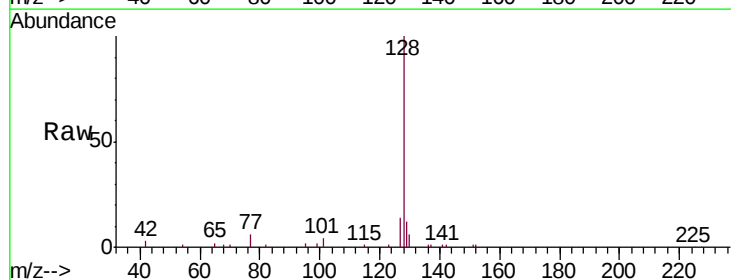
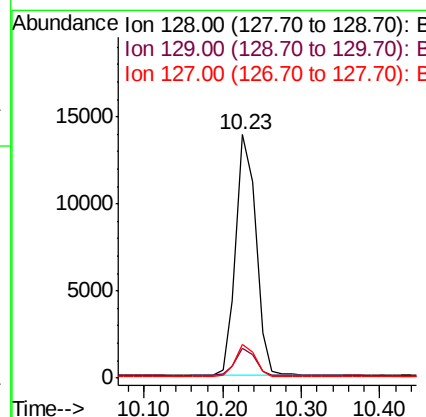
RT: 10.23 min Scan# 816

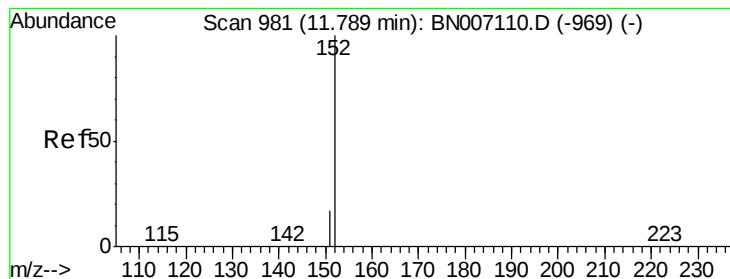
Delta R.T. -0.01 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Tgt Ion:	128	Resp:	24722
Ion Ratio	Lower	Upper	
128	100		
129	12.1	9.4	14.2
127	14.0	11.0	16.6





#10

2-Methylnaphthalene-d10

Concen: 0.233 ng

RT: 11.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Instrument :

BNA_N

ClientSampleId :

PST-016-B057-080819

Tgt Ion:152 Resp: 12219

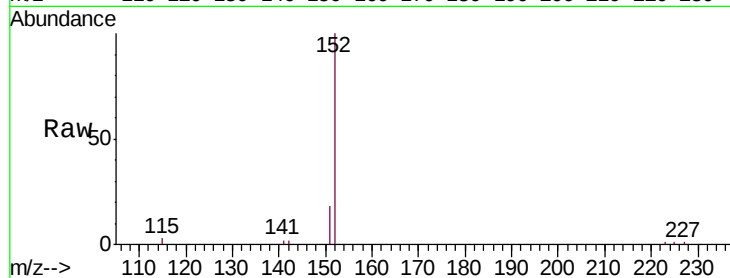
Ion Ratio Lower Upper

152 100

151 19.4 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

8000

6000

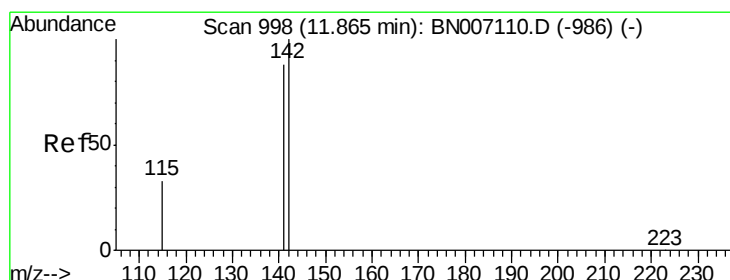
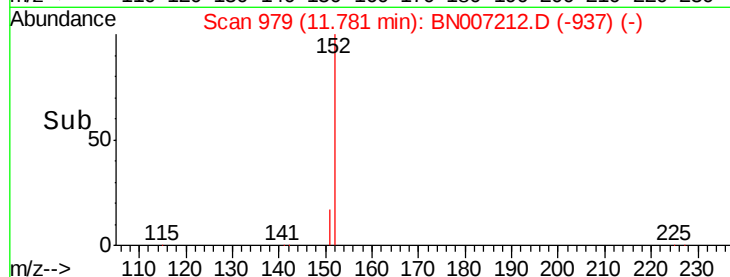
4000

2000

0

11.70 11.75 11.80 11.85

Time-->



#11

2-Methylnaphthalene

Concen: 0.147 ng

RT: 11.86 min Scan# 996

Delta R.T. -0.01 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

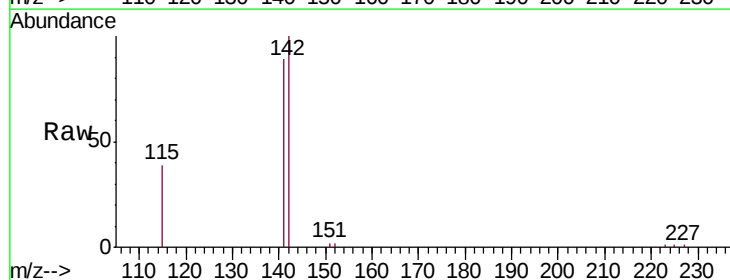
Tgt Ion:142 Resp: 8208

Ion Ratio Lower Upper

142 100

141 89.1 69.0 103.6

115 39.3 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

6000

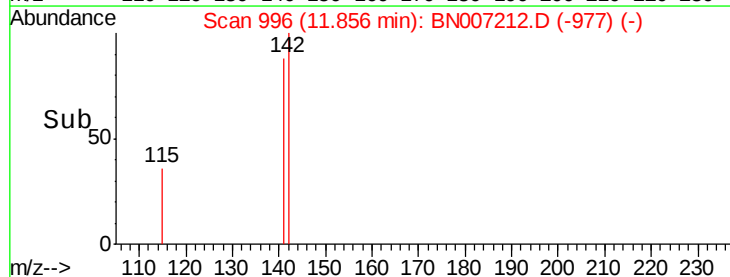
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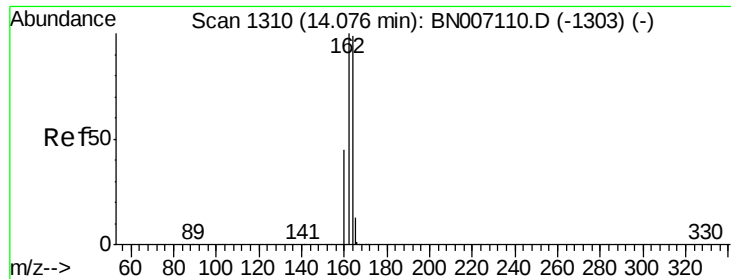
2000

0

11.80 11.85 11.90

Time-->





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Instrument :

BNA_N

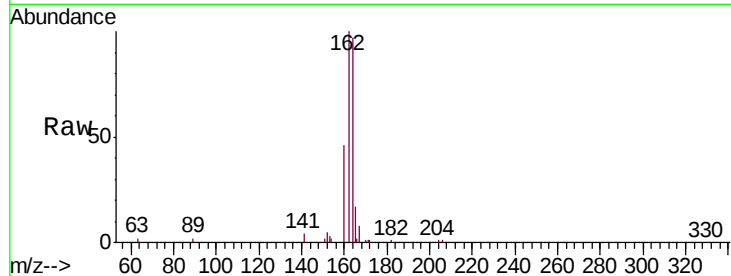
ClientSampleId :

PST-016-B057-080819

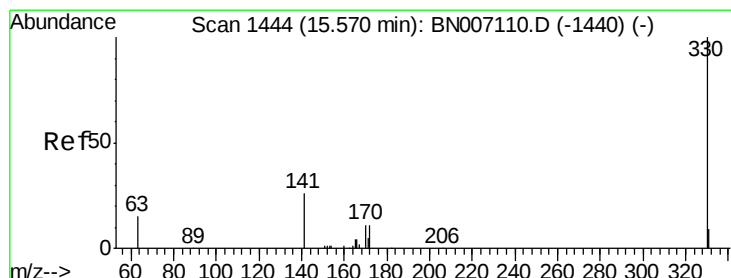
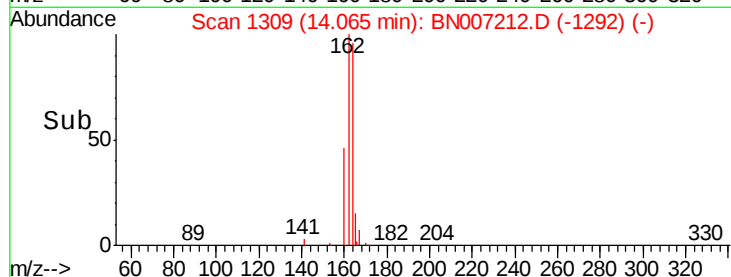
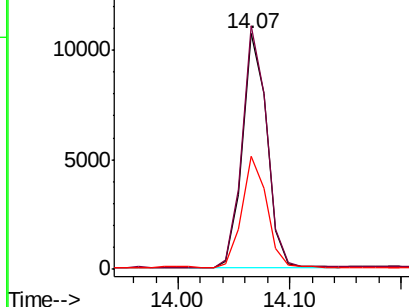
Tgt Ion:	164	Resp:	16200
Ion Ratio	Lower	Upper	
164	100		
162	103.4	82.2	123.4
160	48.0	38.3	57.5

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



#13

2,4,6-Tribromophenol

Concen: 0.227 ng

RT: 15.57 min Scan# 1444

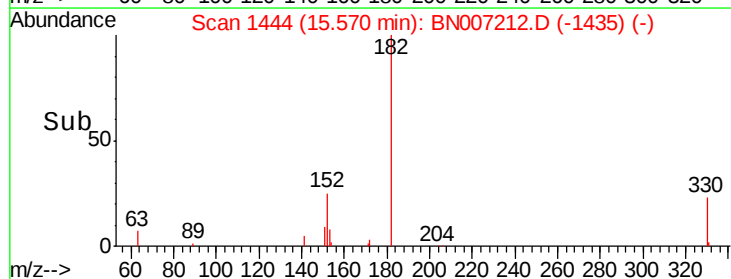
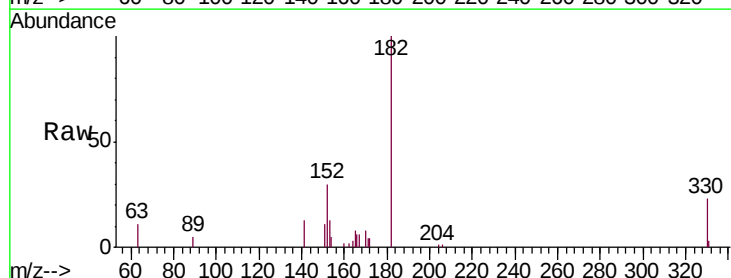
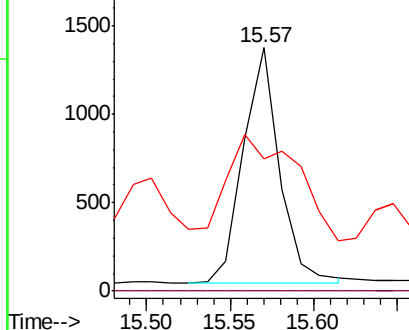
Delta R.T. -0.00 min

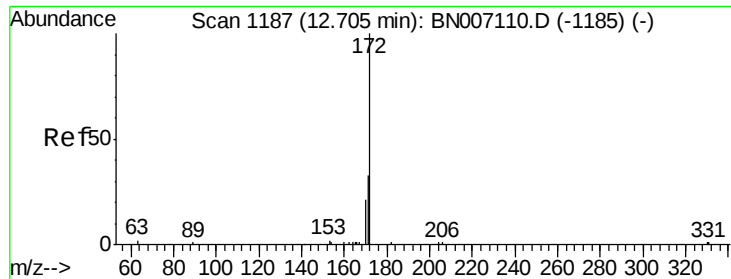
Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Tgt Ion:	330	Resp:	1982
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	86.6	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





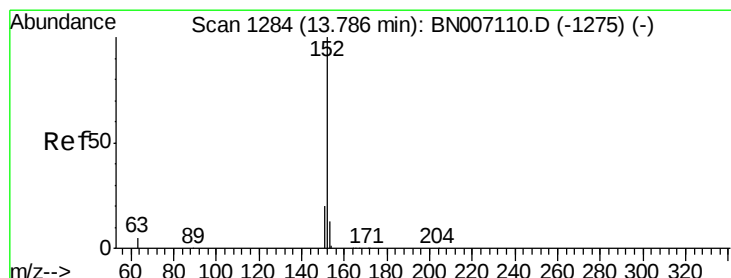
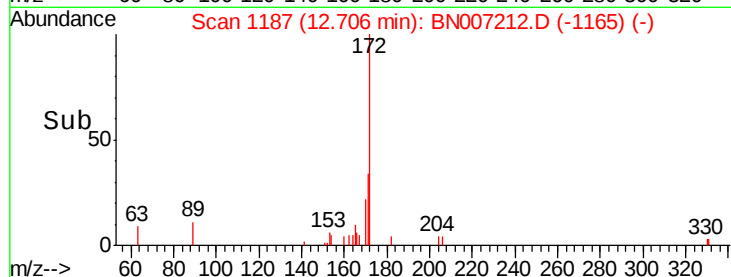
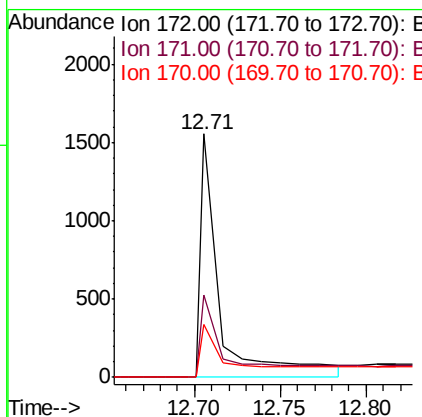
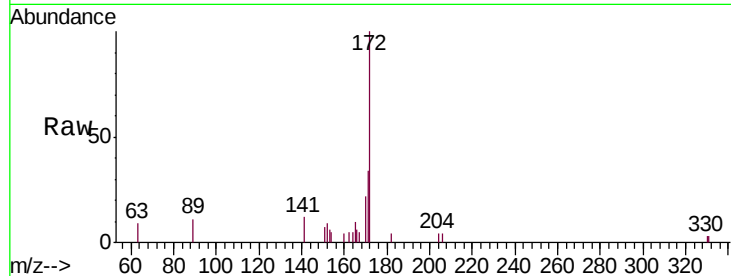
#14
2-Fluorobiphenyl
Concen: 0.057 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007212.D
Acq: 16 Aug 2019 00:34

Instrument :
BNA_N
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PST-016-B057-080819

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	26.3	39.5
170	21.9	17.0	25.4

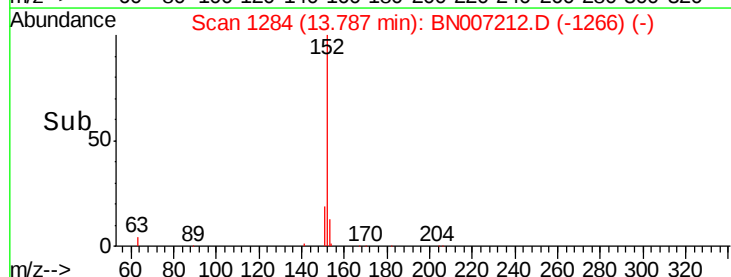
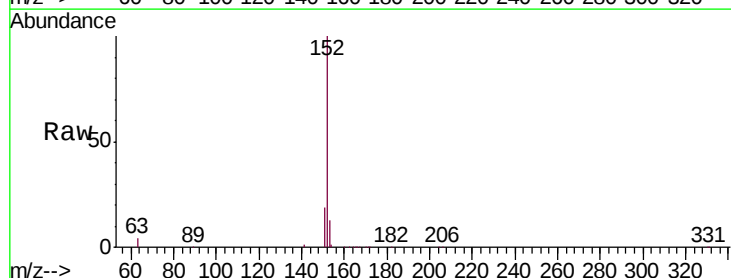
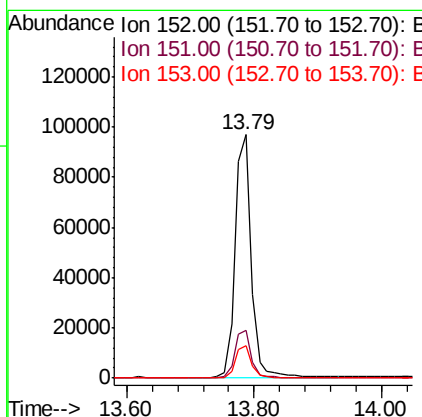
Manual Integrations
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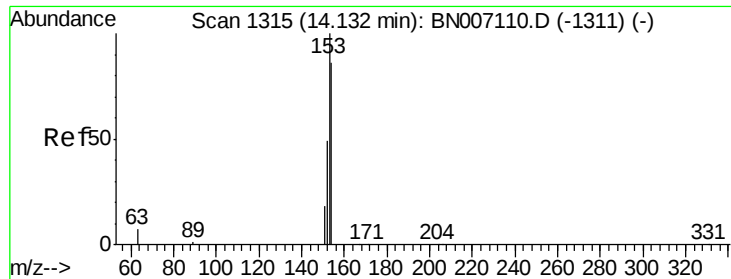
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#15
Acenaphthylene
Concen: 2.018 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007212.D
Acq: 16 Aug 2019 00:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.2	10.4	15.6





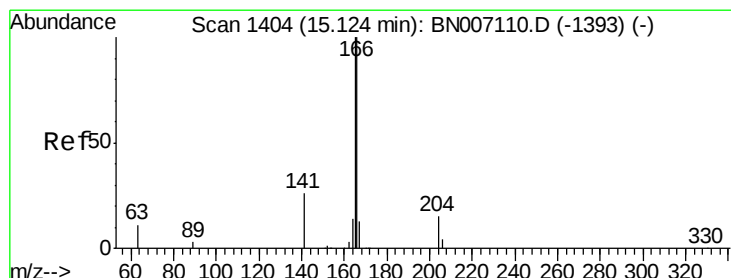
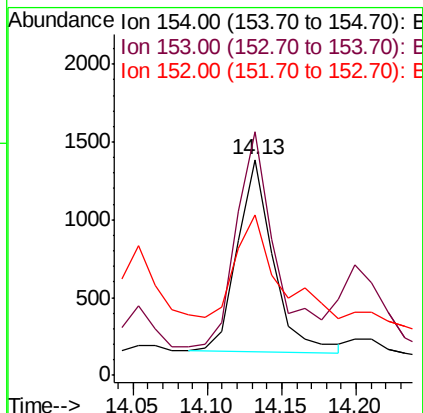
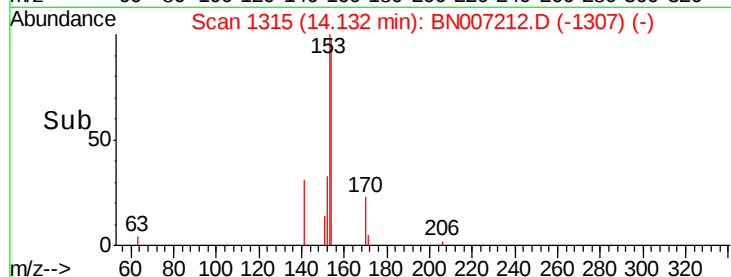
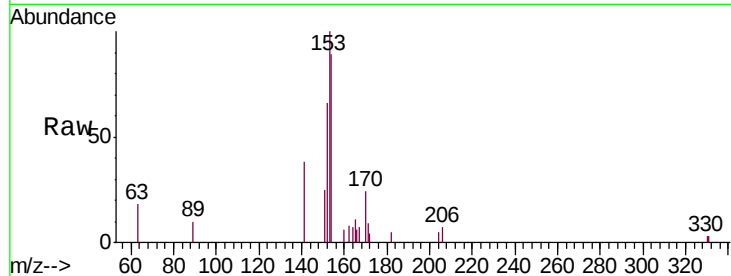
#16
Acenaphthene
Concen: 0.038 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007212.D
Acq: 16 Aug 2019 00:34

Instrument :
BNA_N
ClientSampleId :
PST-016-B057-080819

Tgt Ion	Ratio	Lower	Upper
154	100		
153	121.1	89.5	134.3
152	93.8	44.8	67.2#

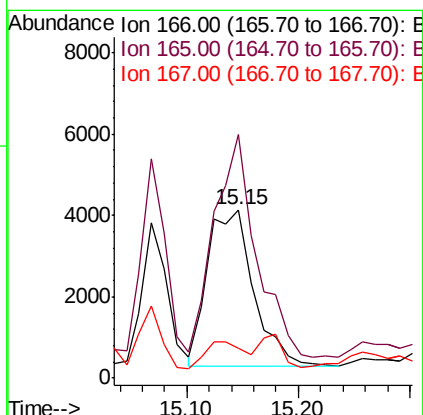
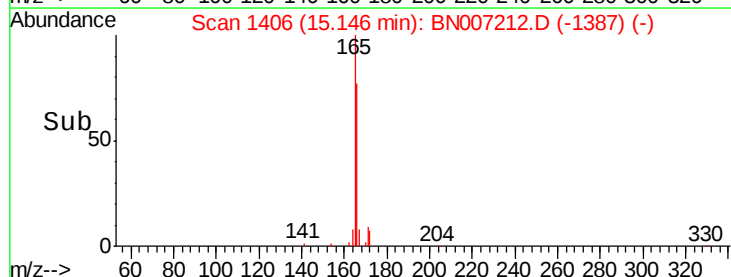
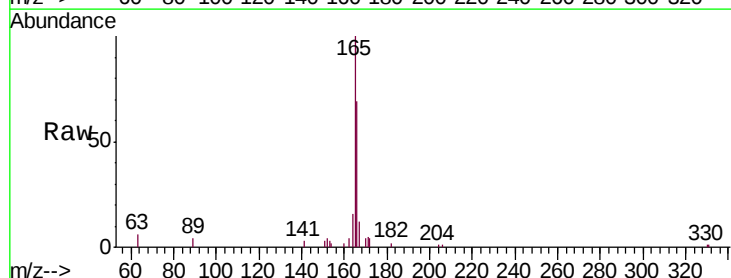
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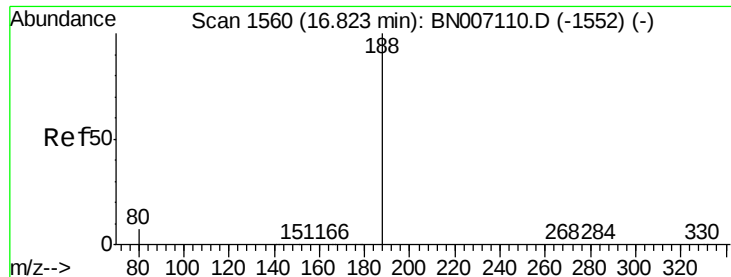
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#17
Fluorene
Concen: 0.136 ng
RT: 15.15 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BN007212.D
Acq: 16 Aug 2019 00:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	130.3	77.9	116.9#
167	0.0	10.9	16.3#





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Instrument :

BNA_N

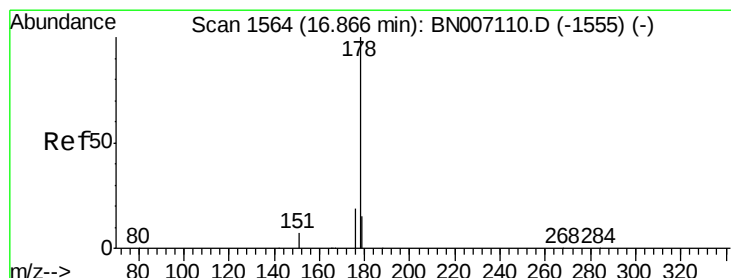
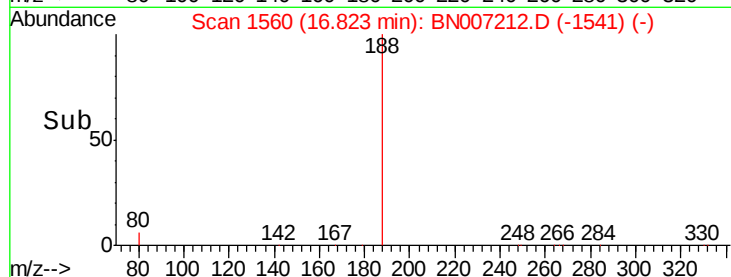
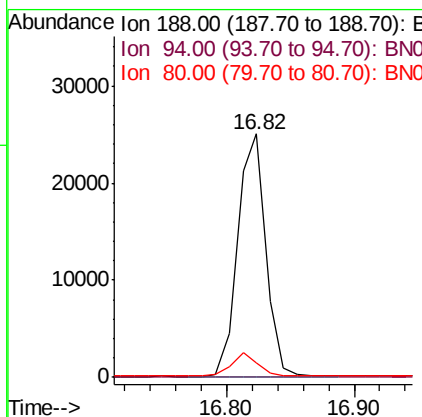
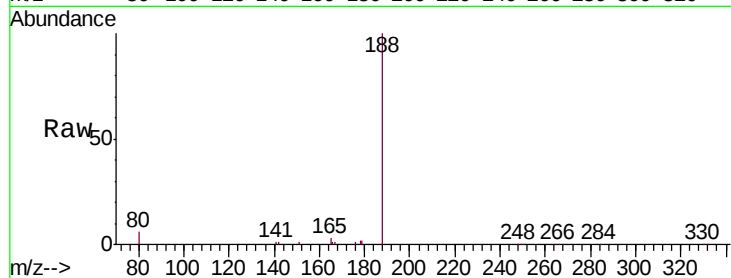
ClientSampleId :

PST-016-B057-080819

Tgt Ion:	188	Resp:	38116
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.2	7.8	11.6#

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#22

Phenanthrene

Concen: 2.244 ng

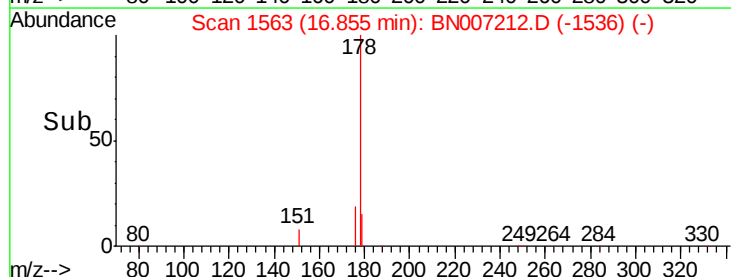
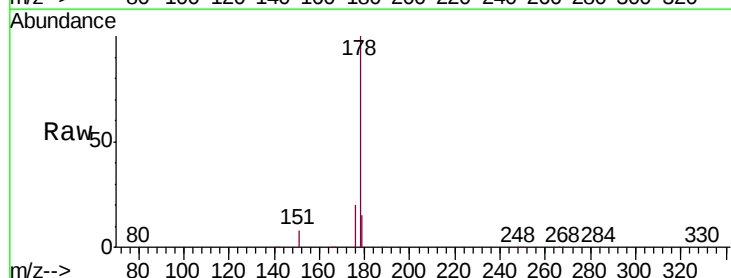
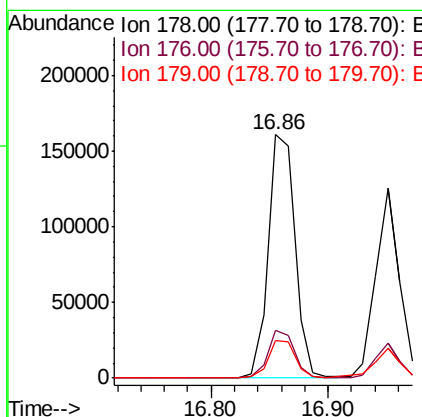
RT: 16.86 min Scan# 1563

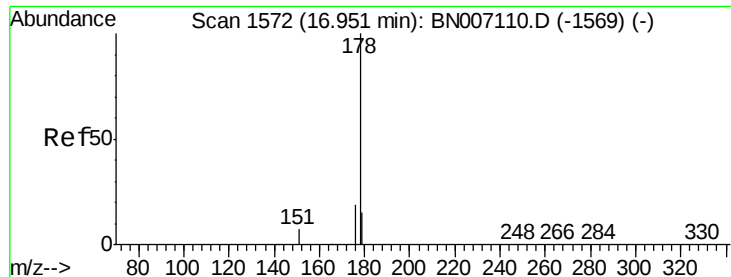
Delta R.T. -0.01 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Tgt Ion:	178	Resp:	256390
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	15.7	12.3	18.5





#23

Anthracene

Concen: 1.688 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Instrument :

BNA_N

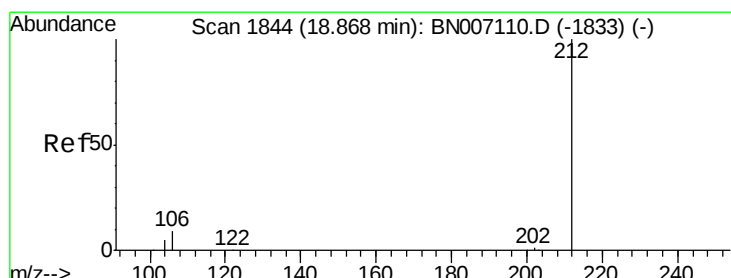
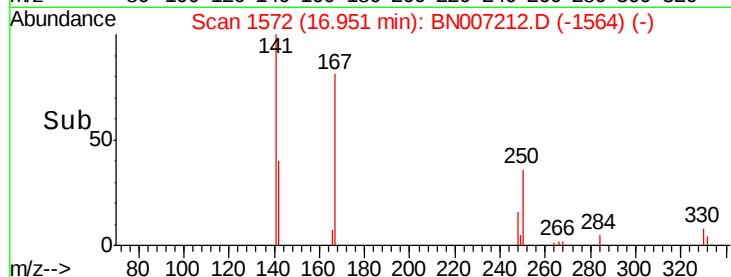
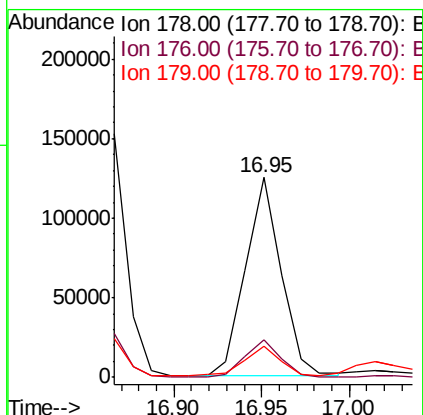
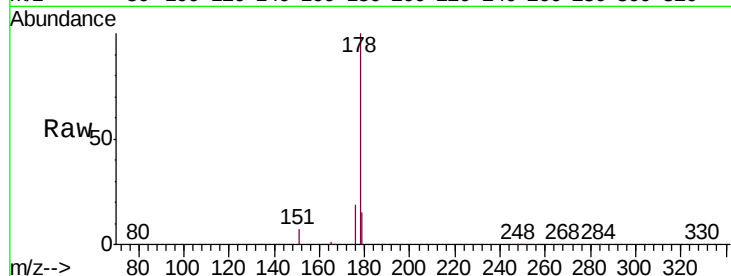
ClientSampleId :

PST-016-B057-080819

Tgt Ion:	178	Resp:	176209
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.6	21.8
179	15.7	12.5	18.7

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#24

Fluoranthene-d10

Concen: 0.212 ng

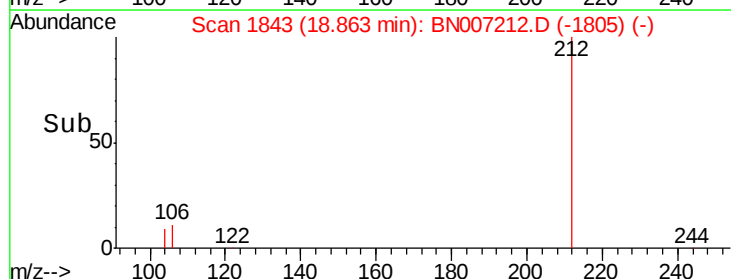
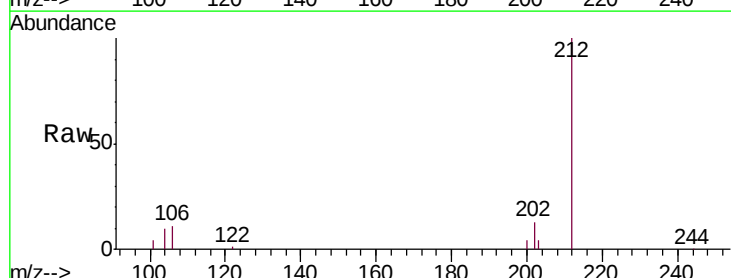
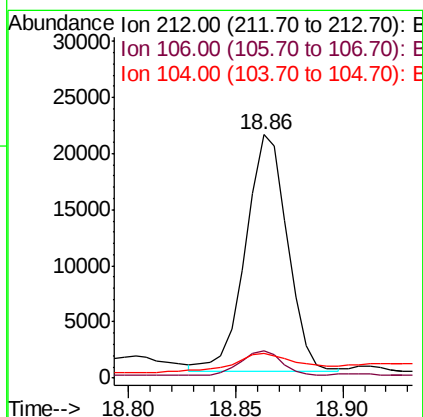
RT: 18.86 min Scan# 1843

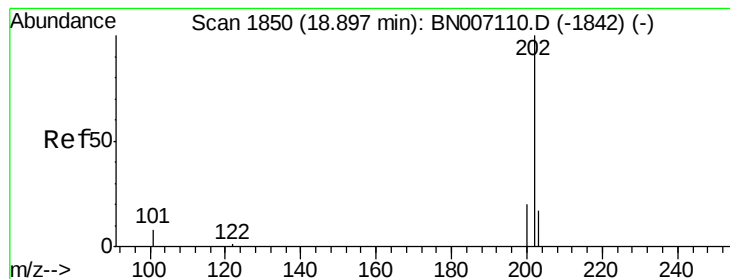
Delta R.T. -0.01 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Tgt Ion:	212	Resp:	28695
Ion Ratio	Lower	Upper	
212	100		
106	10.0	8.2	12.2
104	15.0	4.5	6.7#





#25

Fluoranthene

Concen: 15.570 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Instrument :

BNA_N

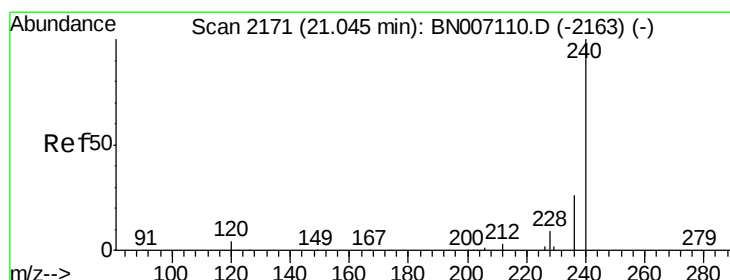
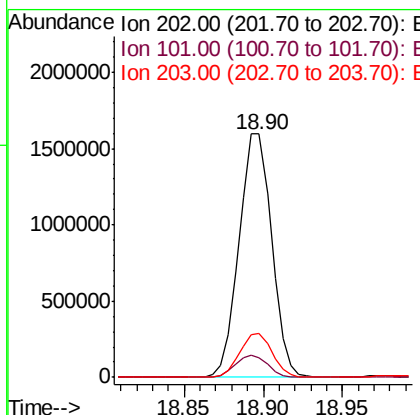
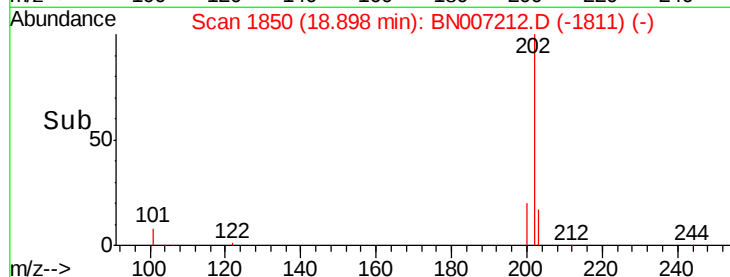
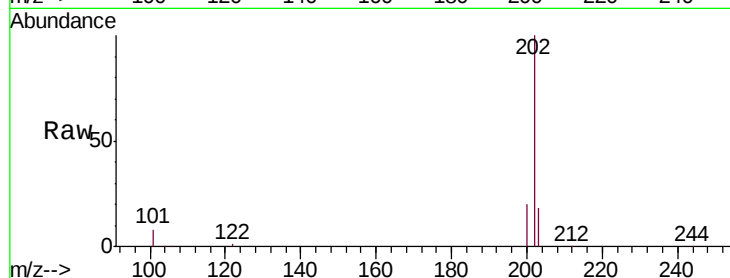
ClientSampleId :

PST-016-B057-080819

Tgt Ion:	202	Resp:	2275192
Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.0	10.4
203	17.9	13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

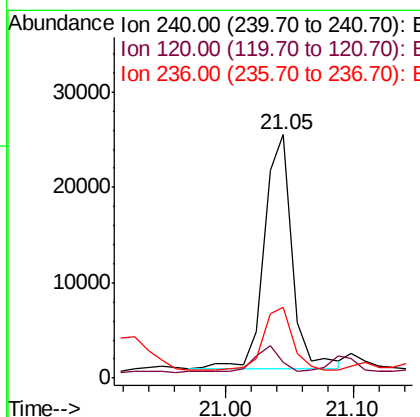
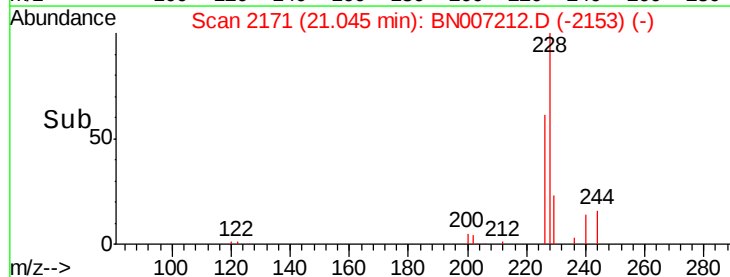
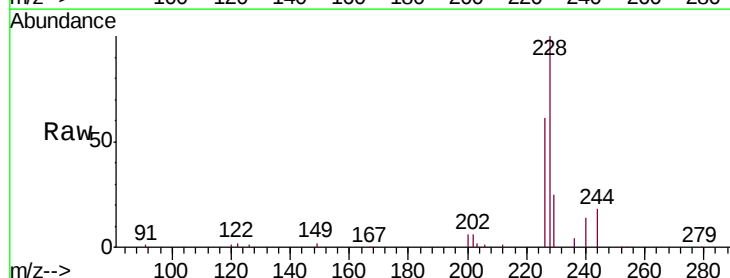
RT: 21.05 min Scan# 2171

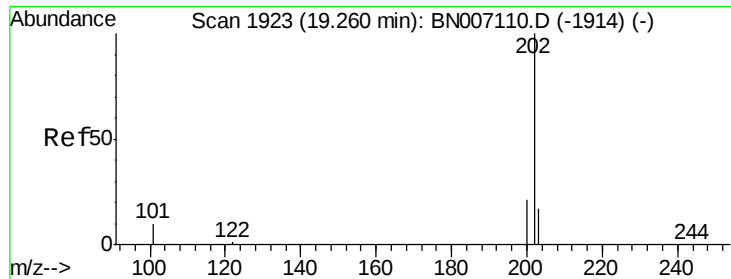
Delta R.T. -0.01 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Tgt Ion:	240	Resp:	37225
Ion	Ratio	Lower	Upper
240	100		
120	6.5	4.0	6.0#
236	29.3	21.3	31.9





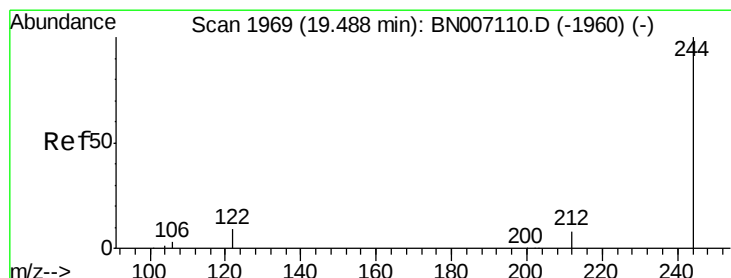
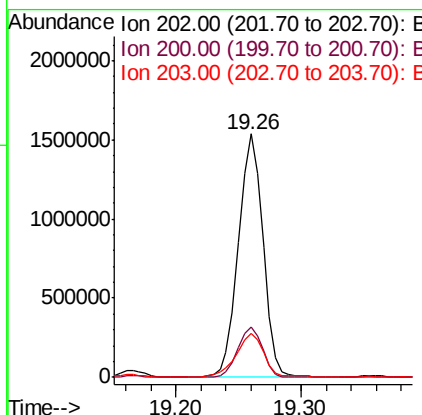
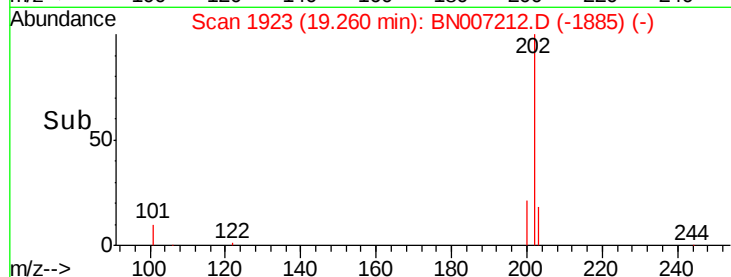
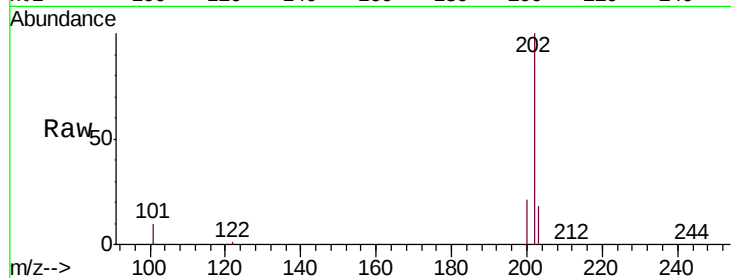
#27
 Pyrene
 Concen: 15.968 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007212.D
 Acq: 16 Aug 2019 00:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B057-080819

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	20.4	14.0	21.0

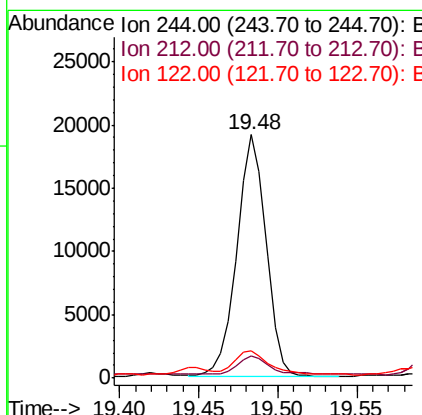
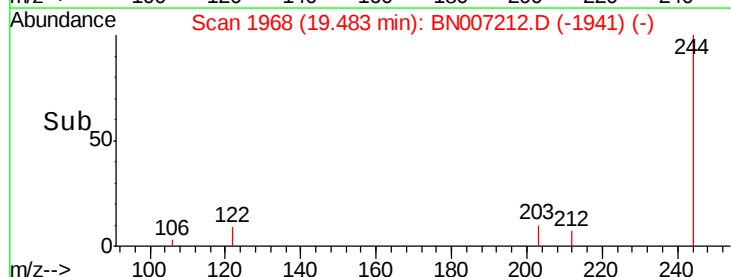
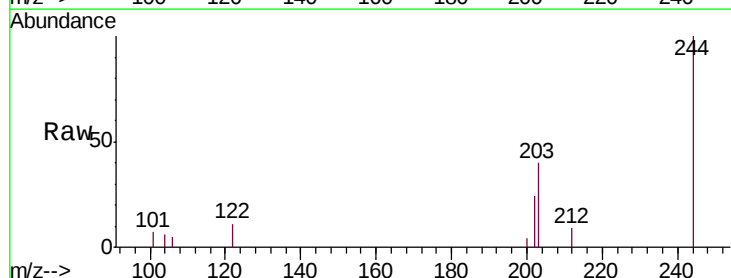
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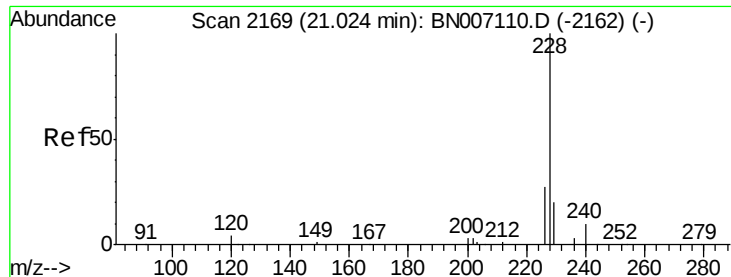
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#28
 Terphenyl-d14
 Concen: 0.240 ng
 RT: 19.48 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BN007212.D
 Acq: 16 Aug 2019 00:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.2	9.2
122	11.4	7.4	11.2#





#29

Benzo(a)anthracene

Concen: 15.402 ng m

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Instrument :

BNA_N

ClientSampleId :

PST-016-B057-080819

Tgt Ion:228 Resp: 2096685

Ion Ratio Lower Upper

228 100

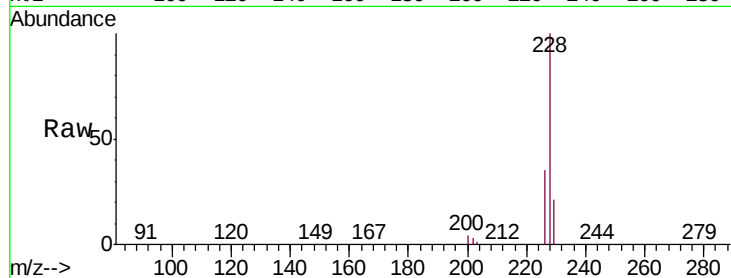
226 34.6 21.8 32.6#

229 20.6 15.6 23.4

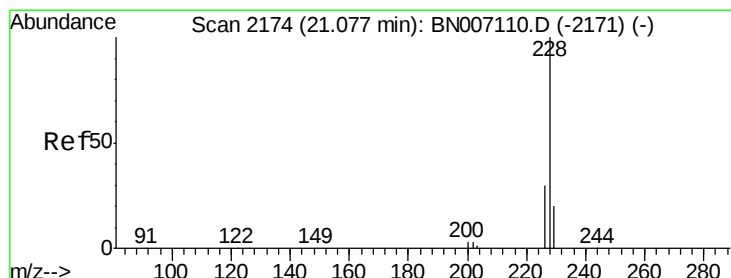
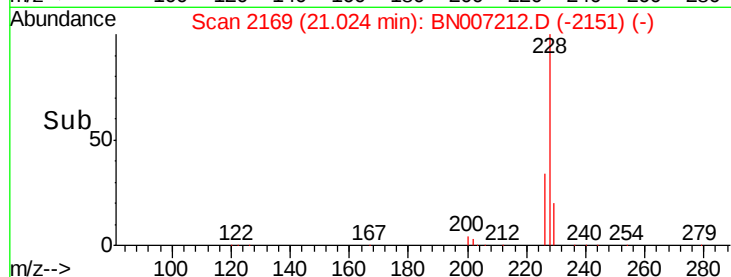
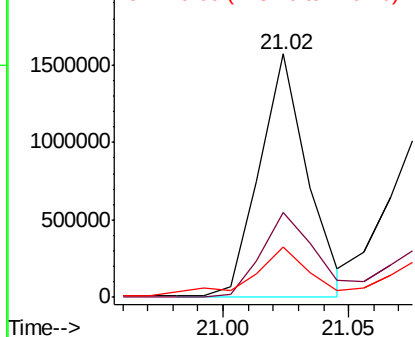
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#30

Chrysene

Concen: 11.538 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Tgt Ion:228 Resp: 1526120

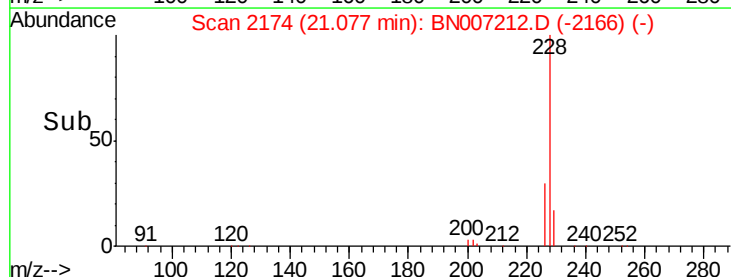
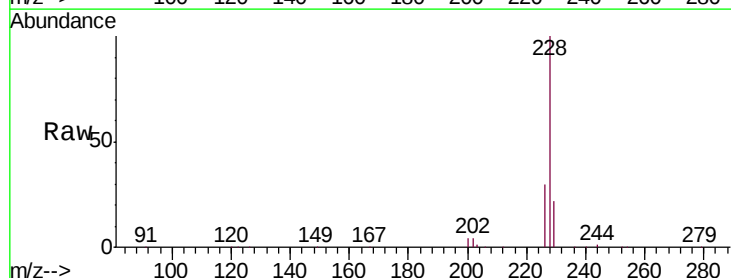
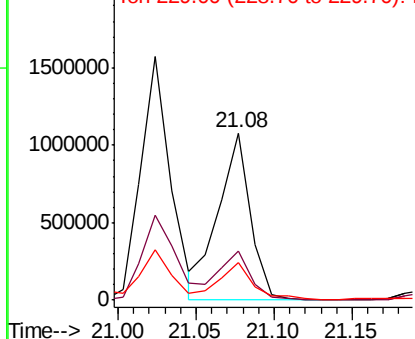
Ion Ratio Lower Upper

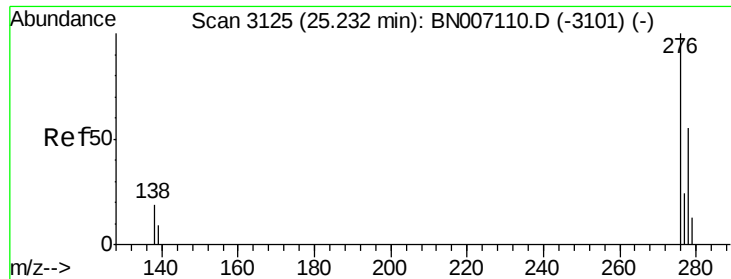
228 100

226 29.7 23.8 35.6

229 22.5 15.7 23.5

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 7.555 ng

RT: 25.23 min Scan# 3125

Delta R.T. -0.02 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Instrument :

BNA_N

ClientSampleId :

PST-016-B057-080819

Tgt Ion: 276 Resp: 1101356

Ion Ratio Lower Upper

276 100

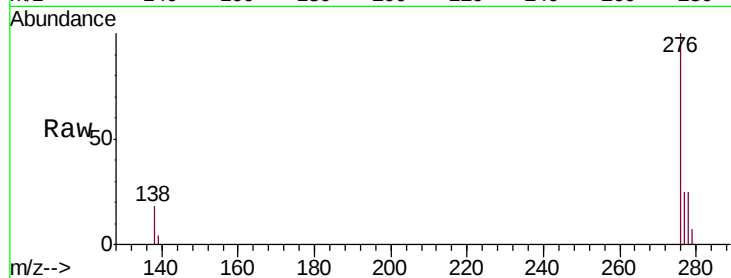
138 18.4 16.0 24.0

277 25.2 19.9 29.9

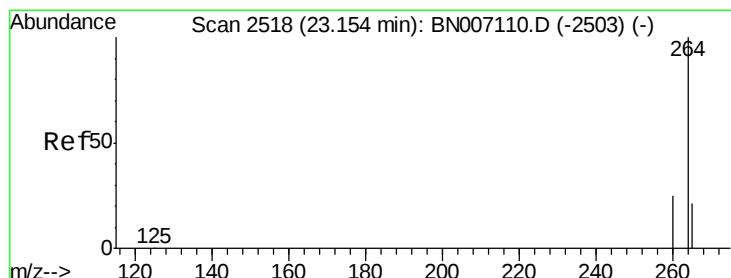
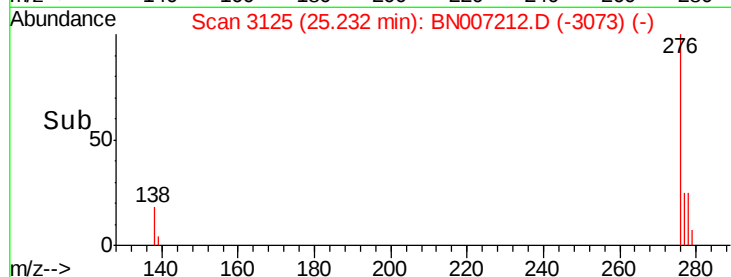
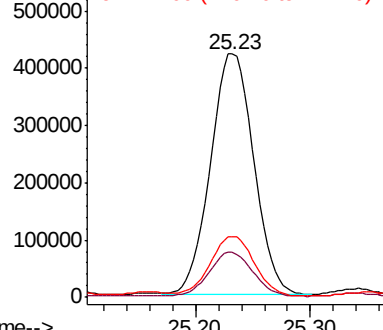
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 0.400 ng

RT: 23.15 min Scan# 2518

Delta R.T. -0.02 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

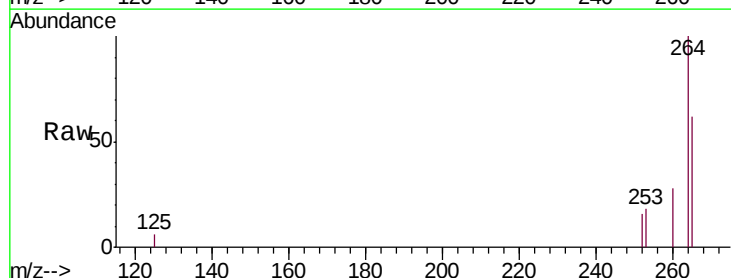
Tgt Ion: 264 Resp: 45252

Ion Ratio Lower Upper

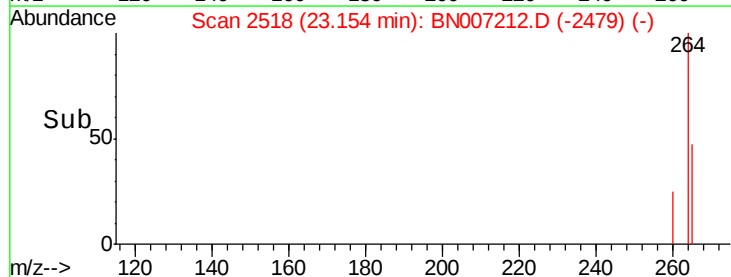
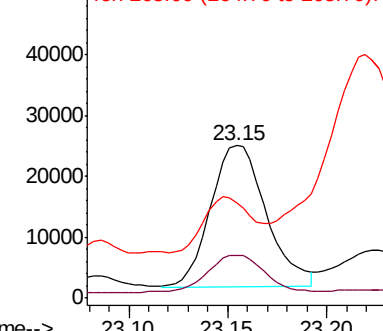
264 100

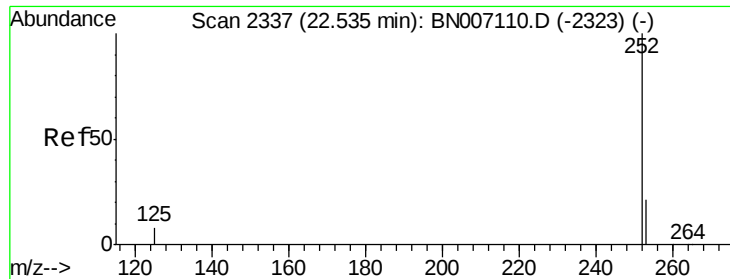
260 28.1 19.8 29.8

265 62.3 26.2 39.4#



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 14.946 ng

RT: 22.54 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Instrument :

BNA_N

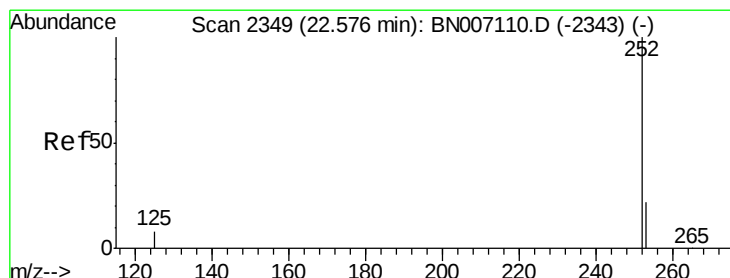
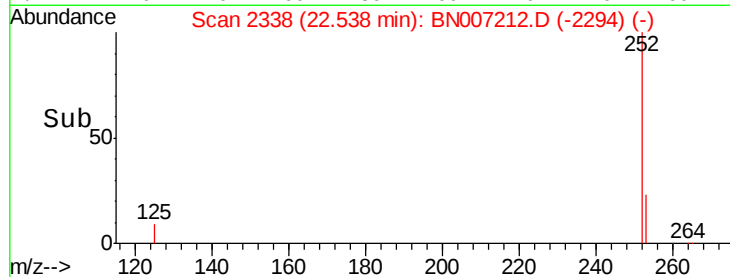
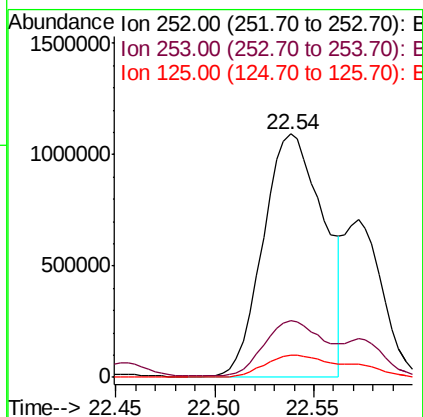
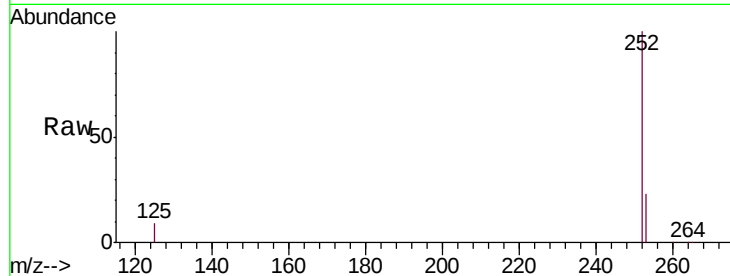
ClientSampleId :

PST-016-B057-080819

Tgt Ion:	252	Resp:	2319136
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.2	27.2
125	8.9	7.4	11.0

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#34

Benzo(k)fluoranthene

Concen: 7.050 ng m

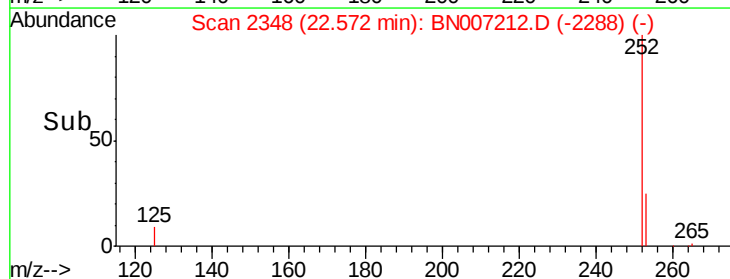
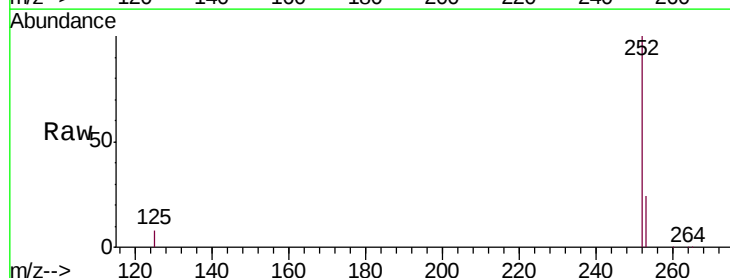
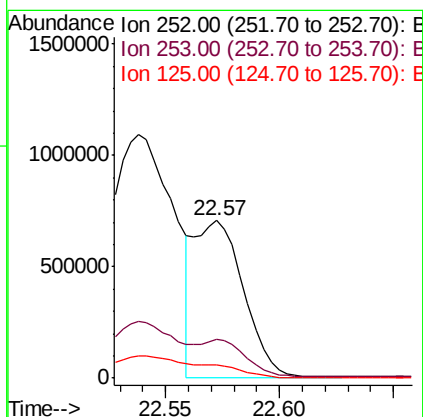
RT: 22.57 min Scan# 2348

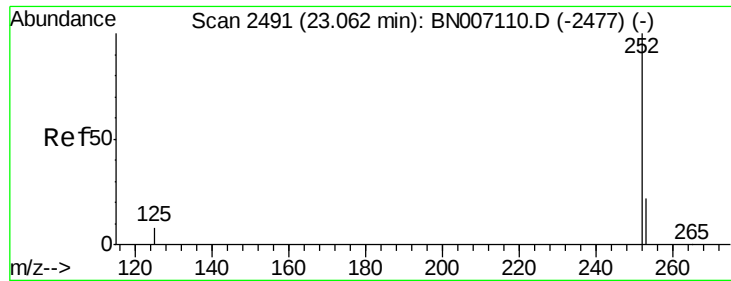
Delta R.T. -0.02 min

Lab File: BN007212.D

Acq: 16 Aug 2019 00:34

Tgt Ion:	252	Resp:	1080464
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.1	27.1
125	8.5	7.4	11.0





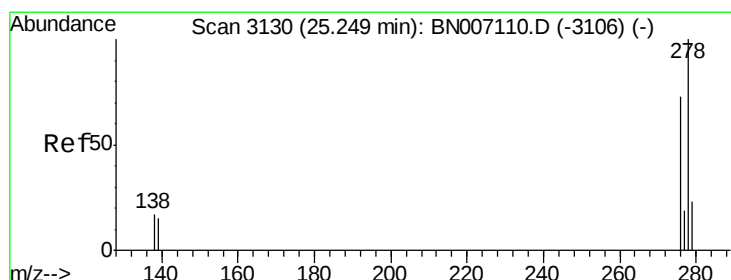
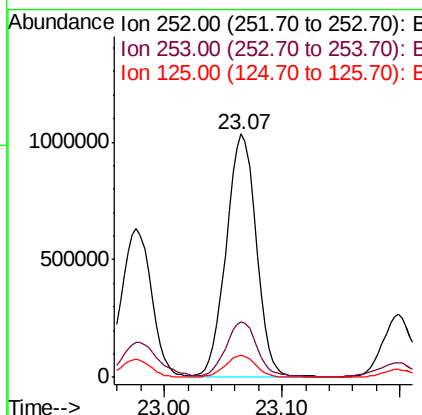
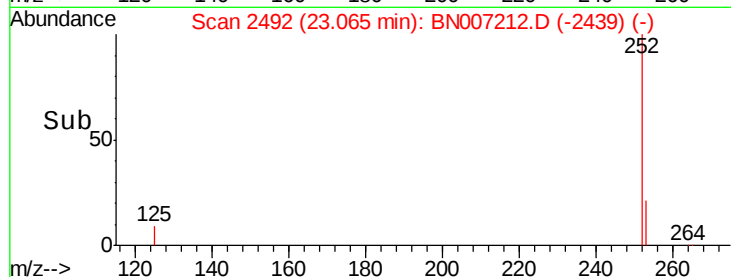
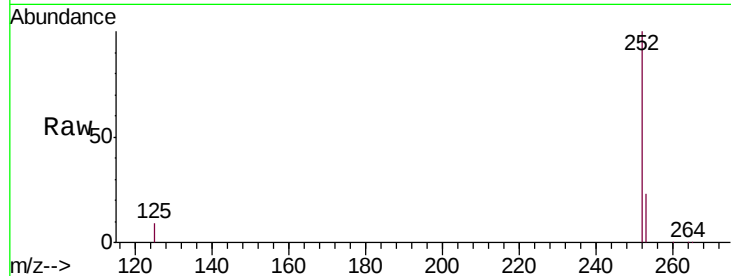
#35
Benzo(a)pyrene
Concen: 12.907 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007212.D
Acq: 16 Aug 2019 00:34

Instrument :
BNA_N
ClientSampleId :
PST-016-B057-080819

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	9.1	8.2	12.4

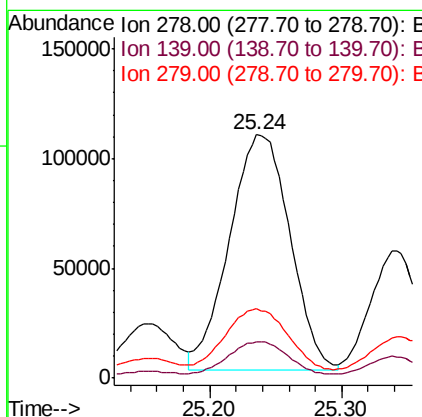
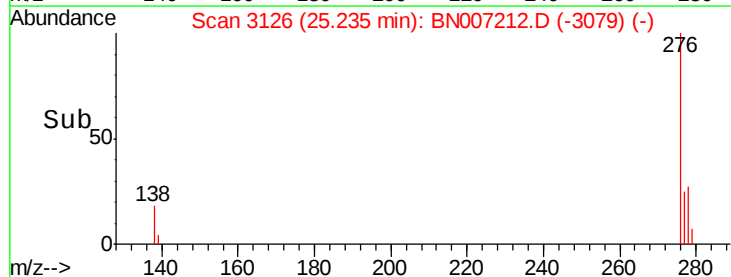
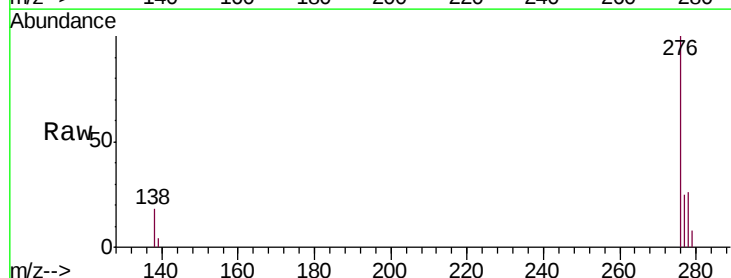
Manual Integrations
APPROVED

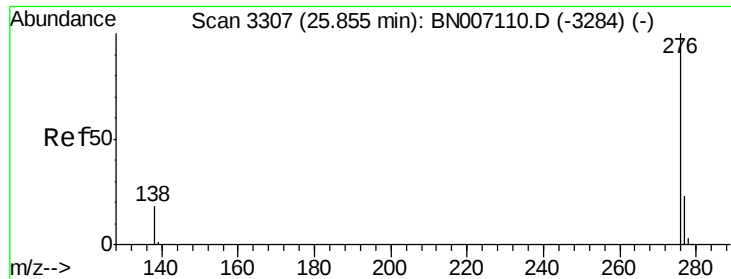
Jagrut
8/16/2019 6:12:05 PM



#36
Dibenzo(a,h)anthracene
Concen: 2.438 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.04 min
Lab File: BN007212.D
Acq: 16 Aug 2019 00:34

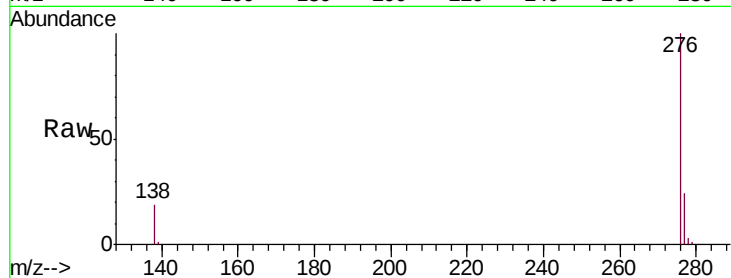
Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.9	11.3	16.9
279	28.4	19.3	28.9





#37
 Benzo(g,h,i)perylene
 Concen: 6.377 ng
 RT: 25.86 min Scan# 3308
 Delta R.T. -0.02 min
 Lab File: BN007212.D
 Acq: 16 Aug 2019 00:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B057-080819



Tgt	Ion	276	Resp:	920710
Ion	Ratio	Lower	Upper	
276	100			
277	24.1	19.8	29.8	
138	18.7	14.6	22.0	

Manual Integrations
 APPROVED

Jagrut
 8/16/2019 6:12:05 PM

