

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
 Data File : BN007081.D
 Acq On : 11 Aug 2019 11:37
 Operator : HP/JU
 Sample : K4143-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW127-073019

Manual Integrations
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mohammad
 8/14/2019 2:57:16 AM

Quant Time: Aug 12 07:17:04 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Aug 10 21:44:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9907	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	38409	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	21531	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	53515	0.40	ng	0.00
26) Chrysene-d12	21.05	240	54642	0.40	ng	-0.01
32) Perylene-d12	23.16	264	60819	0.40	ng	-0.01

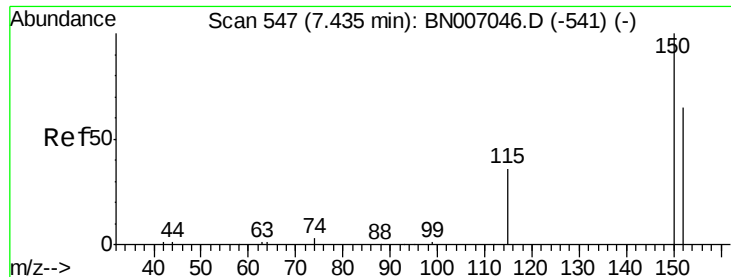
System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	4668	0.20	ng	0.00
4) Phenol-d6	6.61	99	6302	0.21	ng	0.00
7) Nitrobenzene-d5	8.56	82	4938	0.16	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	11687	0.16	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1243	0.11	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3856	0.12	ng	0.00
24) Fluoranthene-d10	18.87	212	29087	0.15	ng	0.00
28) Terphenyl-d14	19.49	244	22371	0.15	ng	-0.01

Target Compounds

						Qvalue
15) Acenaphthylene	13.79	152	5974	0.053	ng	99
22) Phenanthrene	16.87	178	25492	0.159	ng	99
23) Anthracene	16.95	178	4877	0.033	ng	# 93
25) Fluoranthene	18.90	202	80322	0.392	ng	100
27) Pyrene	19.26	202	72750	0.380	ng	97
29) Benzo(a)anthracene	21.02	228	43388	0.217	ng	94
30) Chrysene	21.08	228	47138	0.243	ng	97
31) Indeno(1,2,3-cd)pyrene	25.23	276	29765	0.139	ng	97
33) Benzo(b)fluoranthene	22.54	252	62726	0.301	ng	97
34) Benzo(k)fluoranthene	22.58	252	21090m	0.102	ng	
35) Benzo(a)pyrene	23.07	252	39268	0.208	ng	98
36) Dibenzo(a,h)anthracene	25.24	278	7925	0.042	ng	# 83
37) Benzo(g,h,i)perylene	25.86	276	30067	0.155	ng	99

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



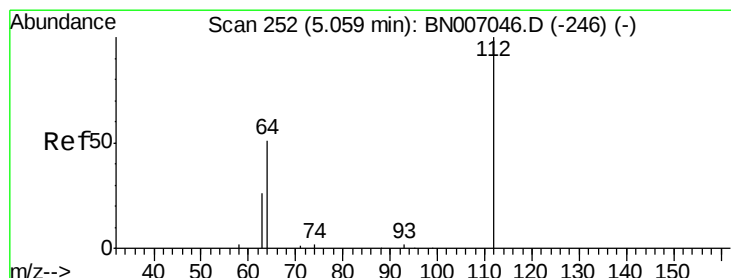
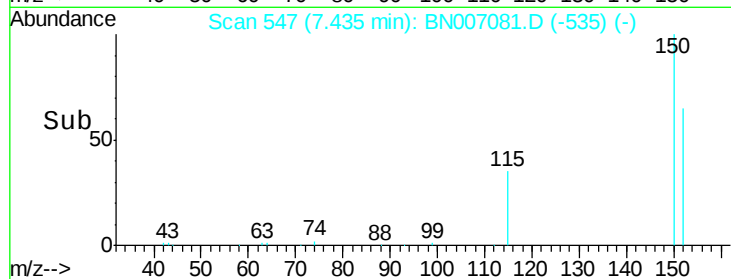
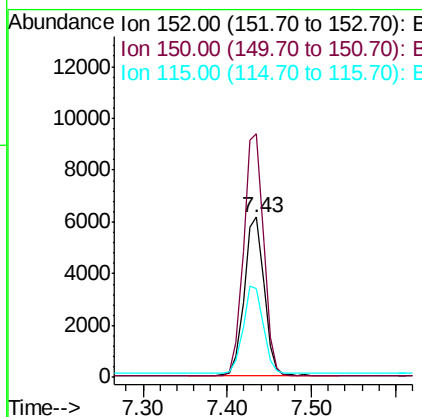
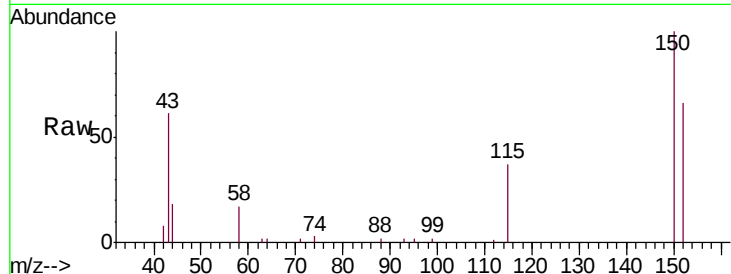
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 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.43 min Scan# 547
 Delta R.T. -0.00 min
 Lab File: BN007081.D
 Acq: 11 Aug 2019 11:37

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW127-073019

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.3	121.7	182.5
115	55.9	46.2	69.4

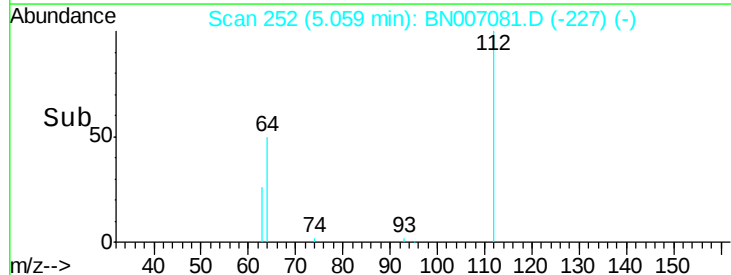
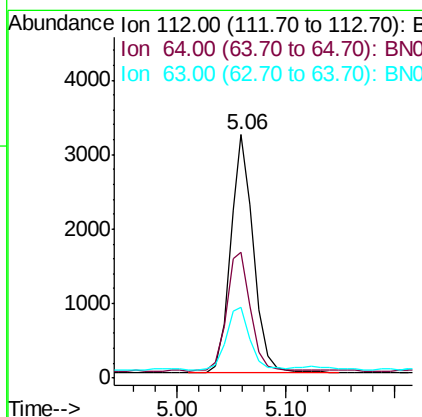
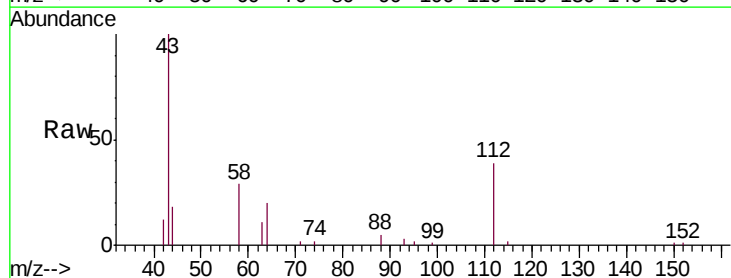
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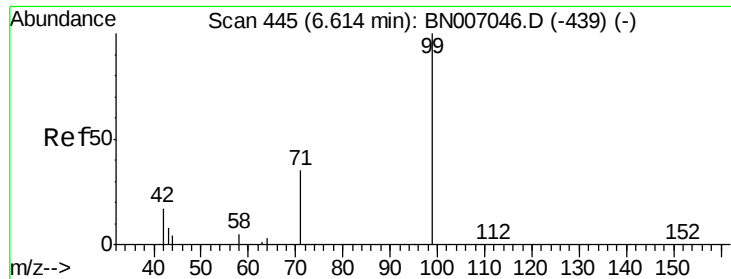
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#3
 2-Fluorophenol
 Concen: 0.196 ng
 RT: 5.06 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: BN007081.D
 Acq: 11 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	42.6	63.8
63	27.3	22.2	33.2





#4

Phenol-d6

Concen: 0.214 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007081.D

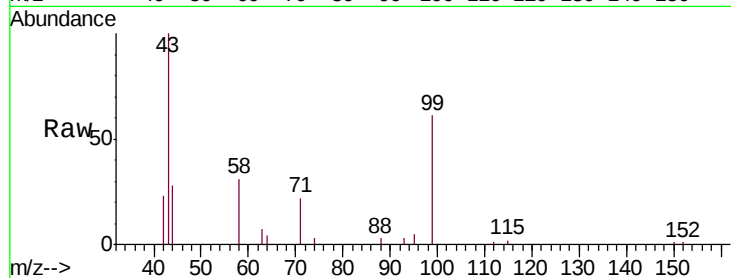
Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

ClientSampleId :

PST-006-SW127-073019



Tgt Ion: 99 Resp: 6302

Ion Ratio Lower Upper

99 100

42 40.5 15.8 23.6#

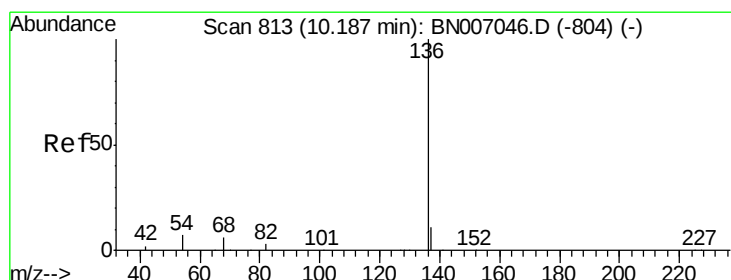
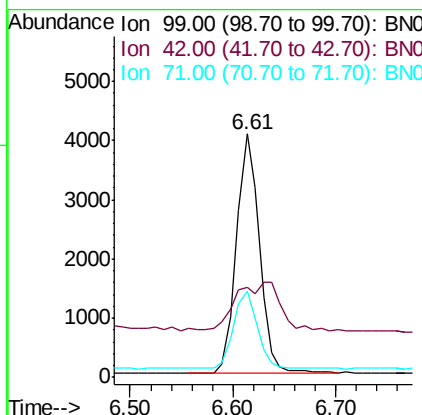
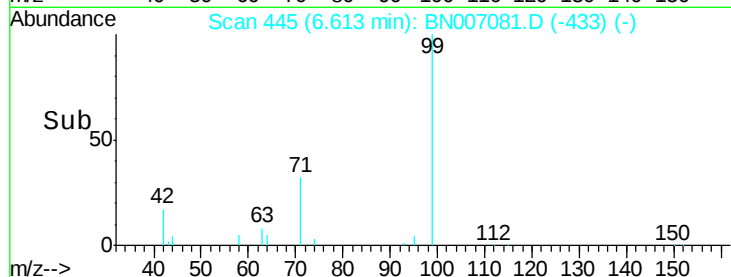
71 33.2 27.0 40.4

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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: BN007081.D

Acq: 11 Aug 2019 11:37

Tgt Ion: 136 Resp: 38409

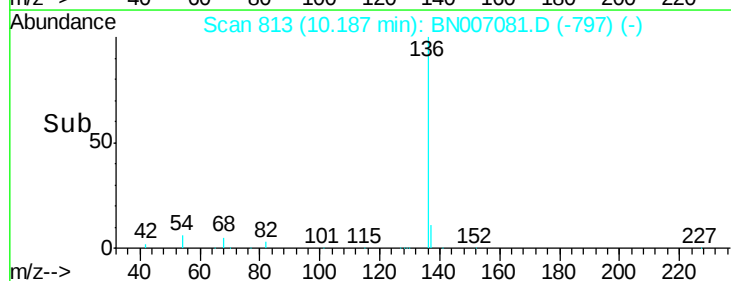
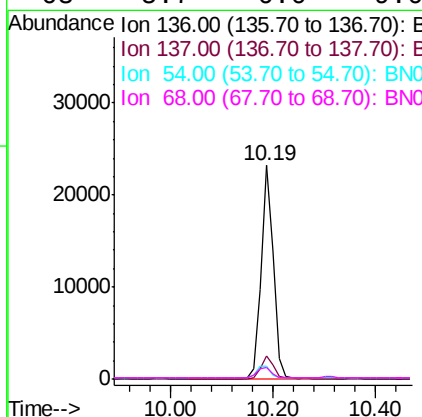
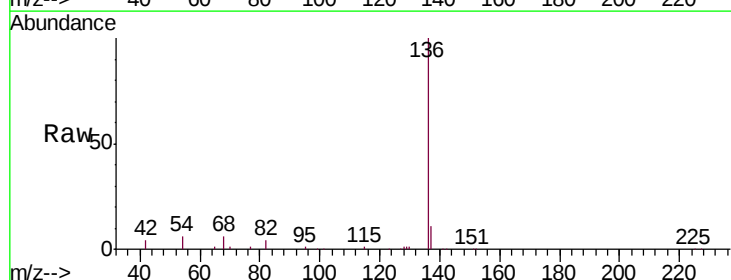
Ion Ratio Lower Upper

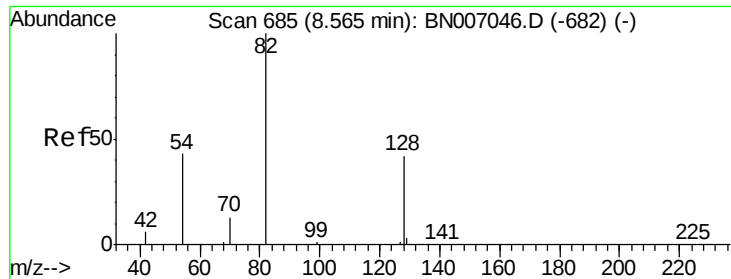
136 100

137 11.1 9.4 14.0

54 6.3 6.6 9.8#

68 5.7 6.0 9.0#





#7

Nitrobenzene-d5

Concen: 0.159 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

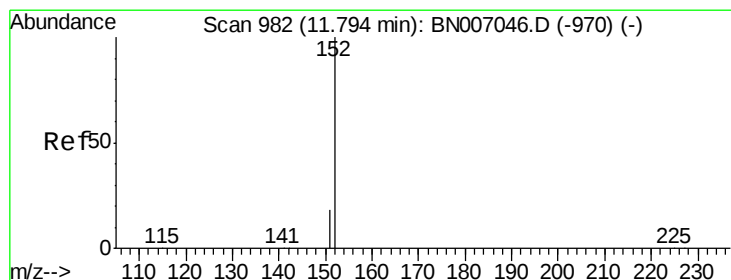
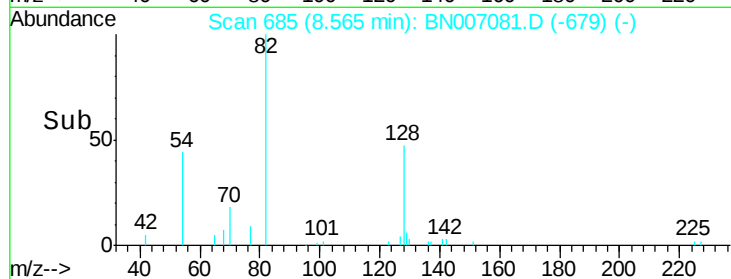
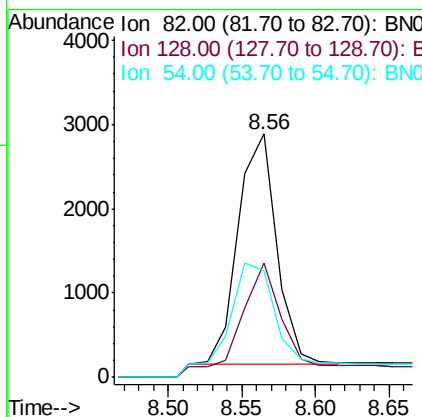
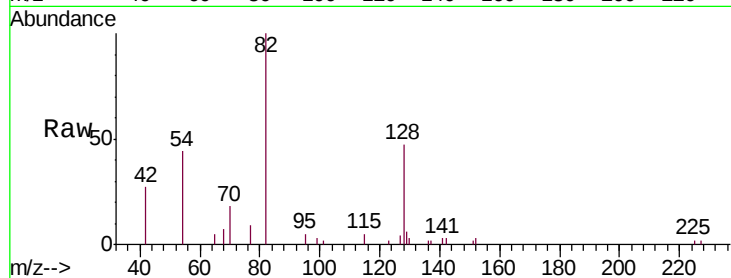
ClientSampleId :

PST-006-SW127-073019

Tgt Ion:	82	Resp:	4938
Ion Ratio	Lower	Upper	
82	100		
128	47.1	34.6	51.8
54	43.9	36.2	54.4

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#10

2-Methylnaphthalene-d10

Concen: 0.163 ng

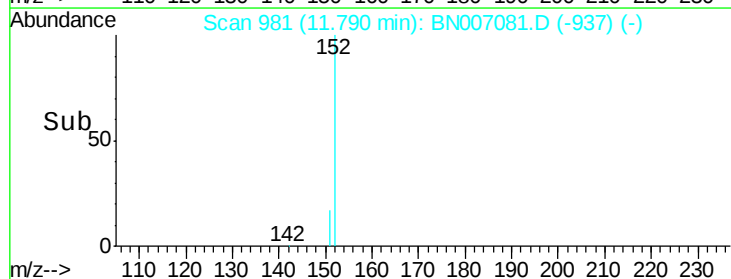
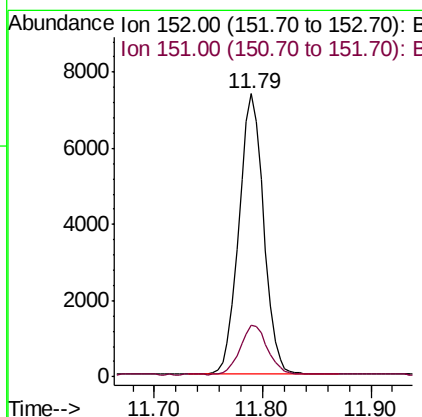
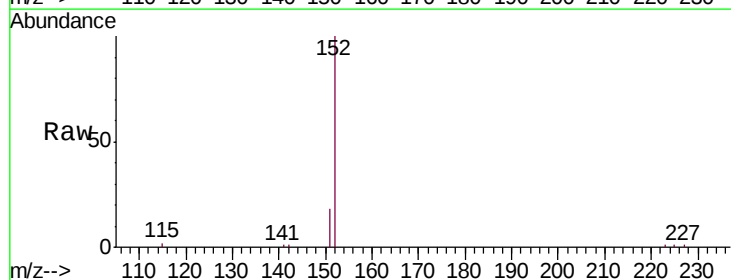
RT: 11.79 min Scan# 981

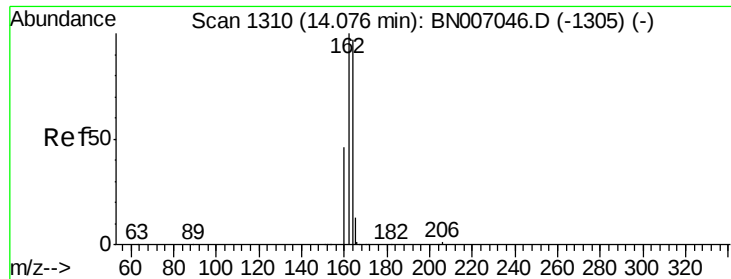
Delta R.T. -0.00 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Tgt Ion:	152	Resp:	11687
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.5	23.3





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

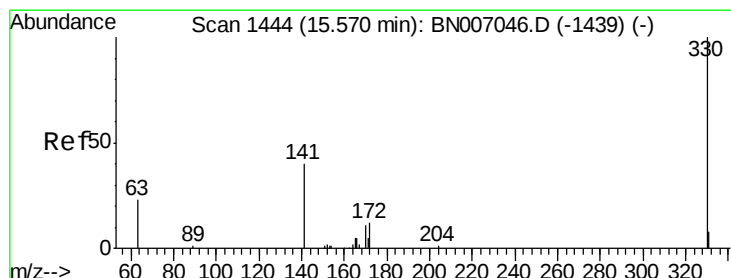
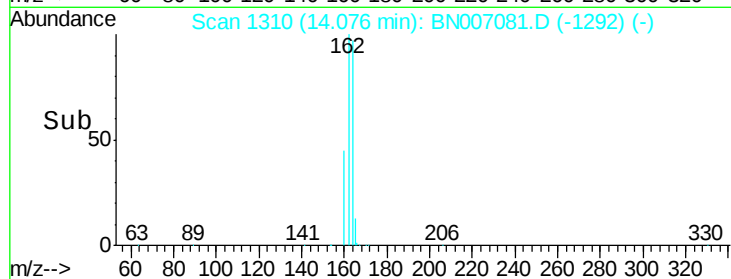
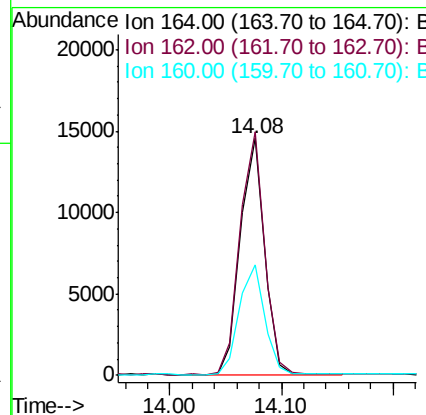
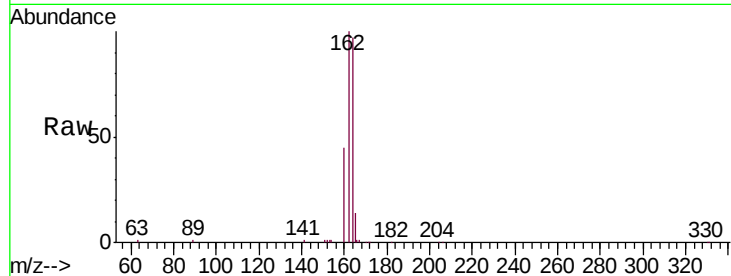
ClientSampleId :

PST-006-SW127-073019

Tgt Ion:	164	Resp:	21531
Ion Ratio	Lower	Upper	
164	100		
162	102.8	82.2	123.4
160	46.5	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.107 ng

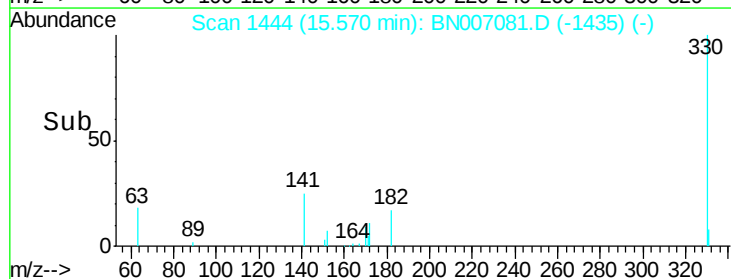
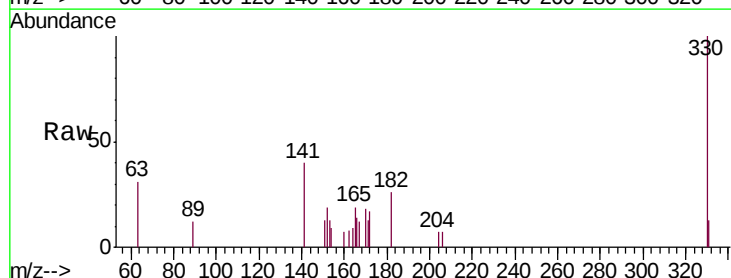
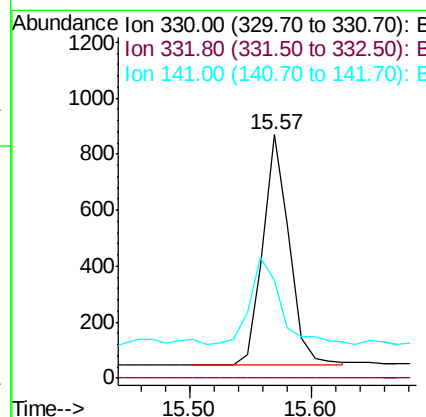
RT: 15.57 min Scan# 1444

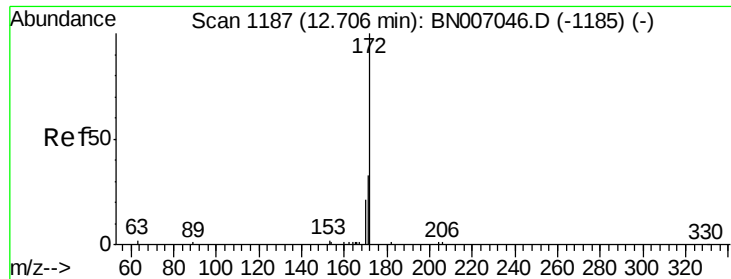
Delta R.T. -0.00 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Tgt Ion:	330	Resp:	1243
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	43.3	33.6	50.4





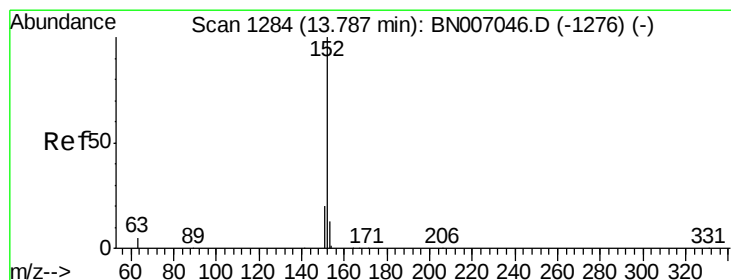
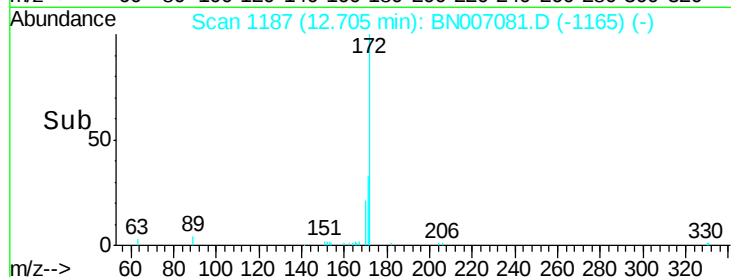
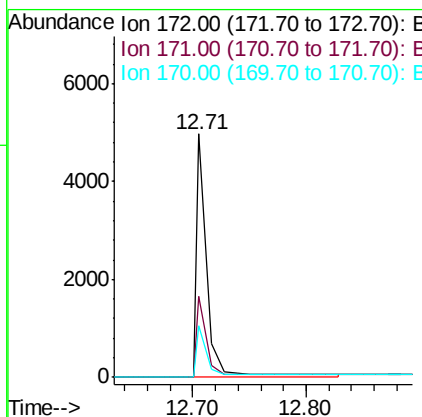
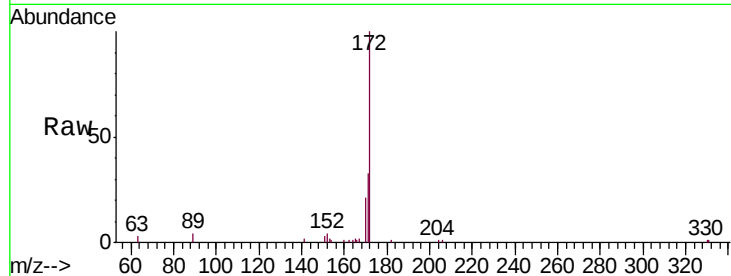
#14
2-Fluorobiphenyl
Concen: 0.123 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007081.D
Acq: 11 Aug 2019 11:37

Instrument :
BNA_N
ClientSampleId :
PST-006-SW127-073019

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	26.3	39.5
170	21.0	17.0	25.4

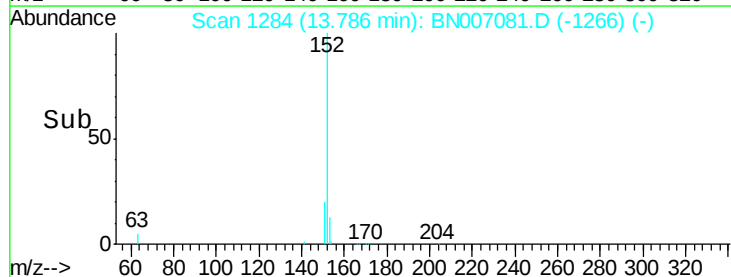
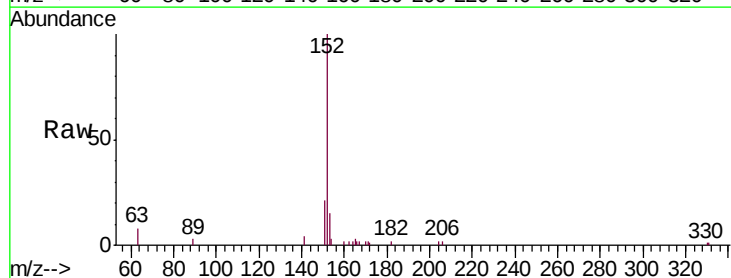
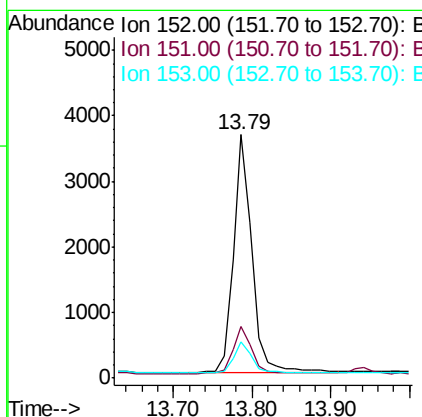
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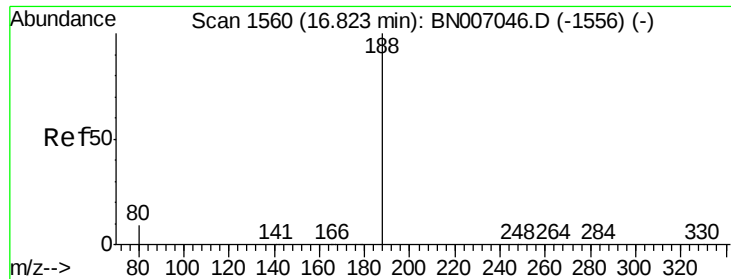
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#15
Acenaphthylene
Concen: 0.053 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007081.D
Acq: 11 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.8	23.6
153	13.2	10.4	15.6





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

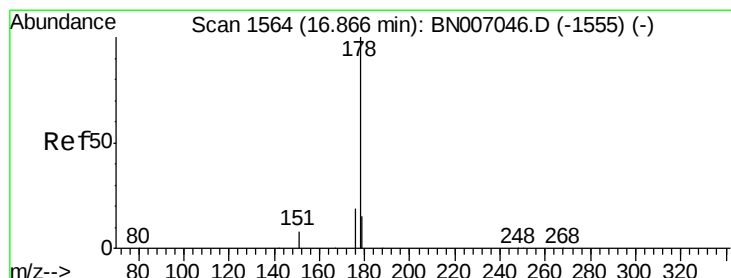
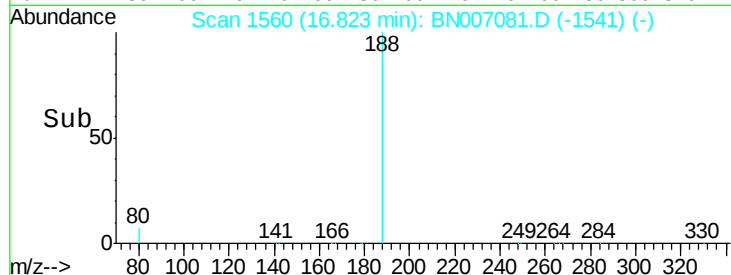
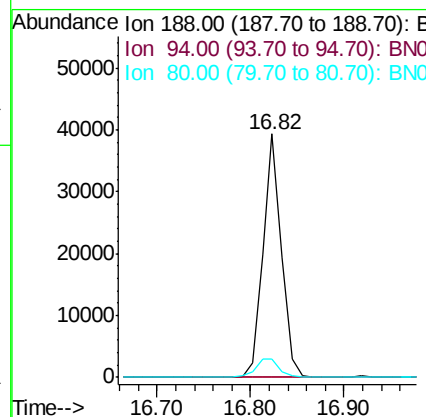
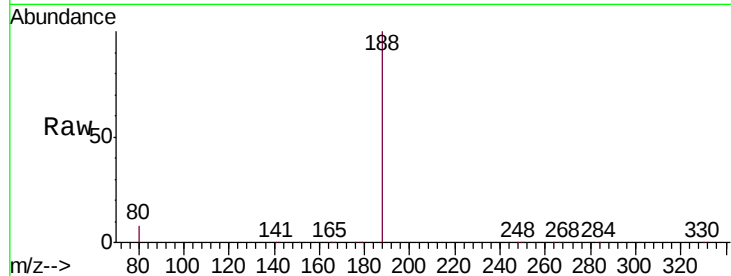
ClientSampleId :

PST-006-SW127-073019

Tgt Ion:	188	Resp:	53515
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.6	7.8	11.6#

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#22

Phenanthrene

Concen: 0.159 ng

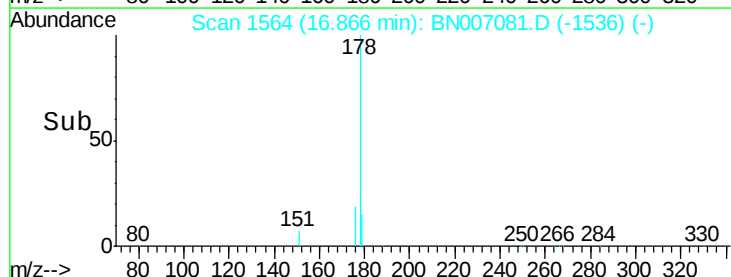
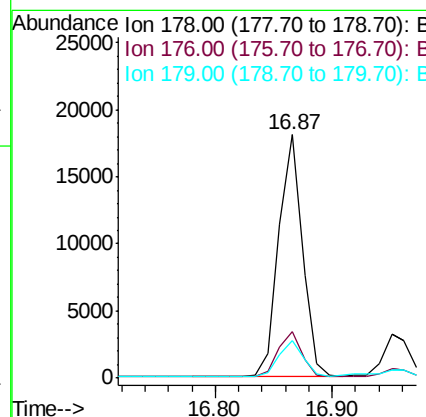
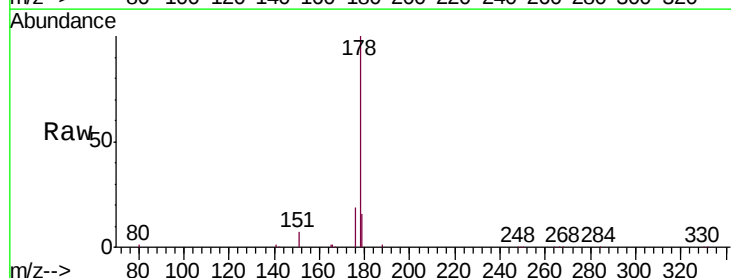
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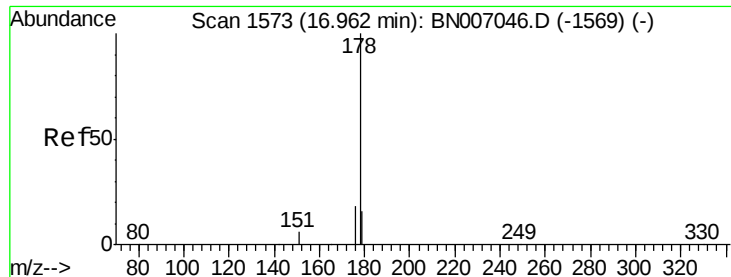
Delta R.T. -0.00 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Tgt Ion:	178	Resp:	25492
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	15.8	12.3	18.5





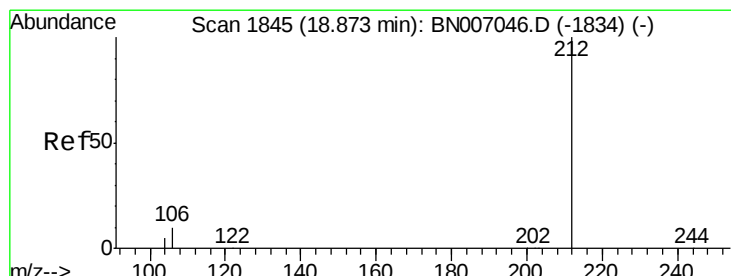
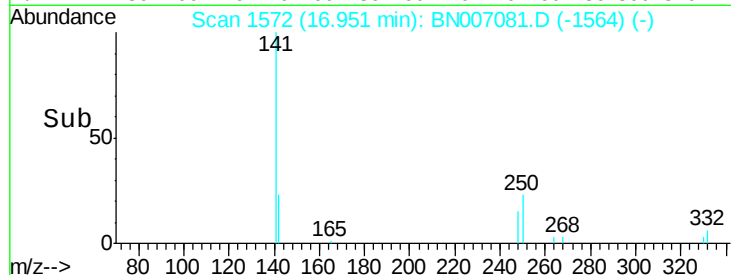
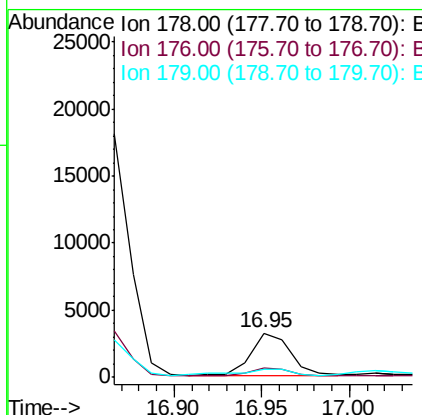
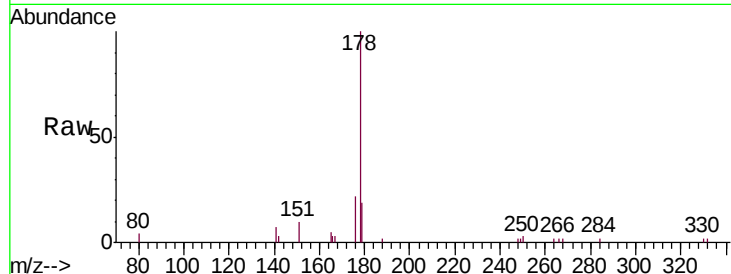
#23
 Anthracene
 Concen: 0.033 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007081.D
 Acq: 11 Aug 2019 11:37

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW127-073019

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	21.5	12.5	18.7

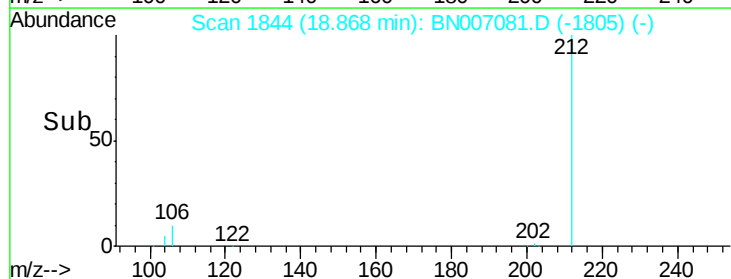
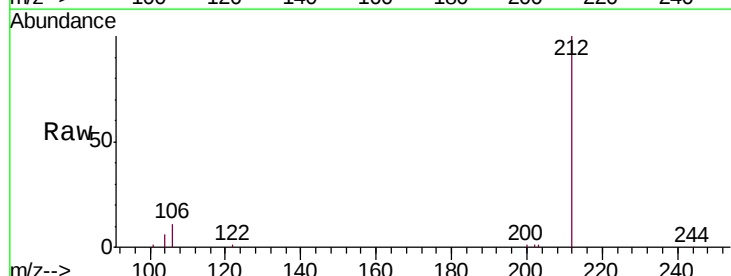
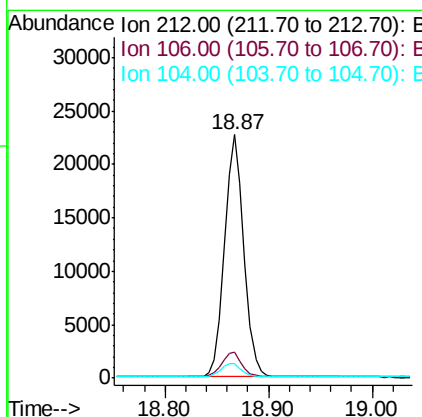
Manual Integrations
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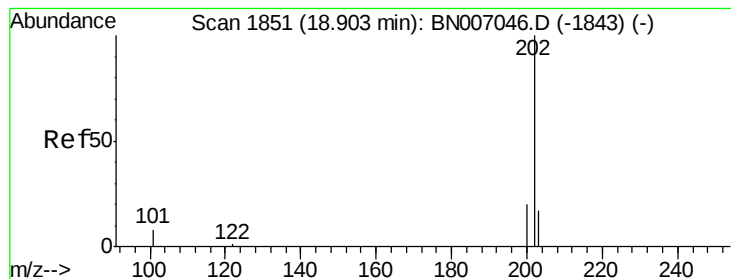
mohammad
 8/14/2019 2:57:16 AM



#24
 Fluoranthene-d10
 Concen: 0.153 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007081.D
 Acq: 11 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.5	8.2	12.2
104	5.7	4.5	6.7





#25

Fluoranthene

Concen: 0.392 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

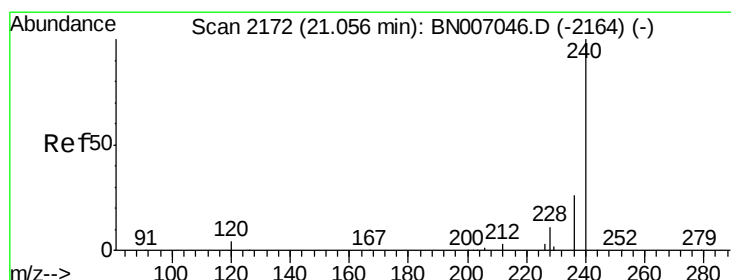
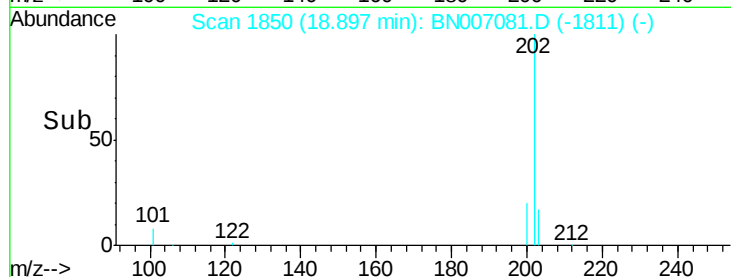
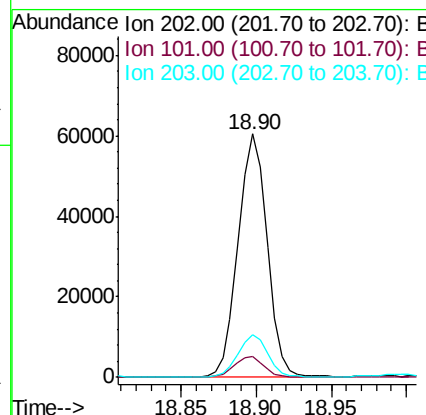
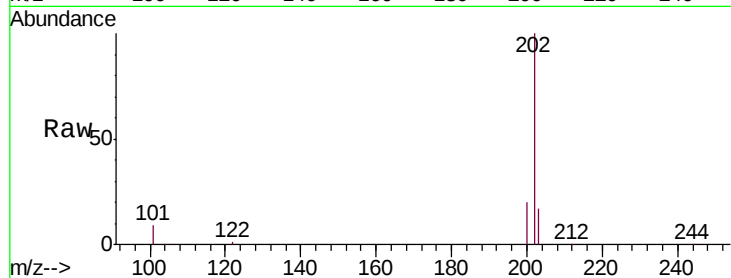
ClientSampleId :

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Tgt	Ion	202	Resp:	80322
Ion	Ratio	Lower	Upper	
202	100			
101	8.6	7.0	10.4	
203	17.4	13.8	20.8	

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#26

Chrysene-d12

Concen: 0.400 ng

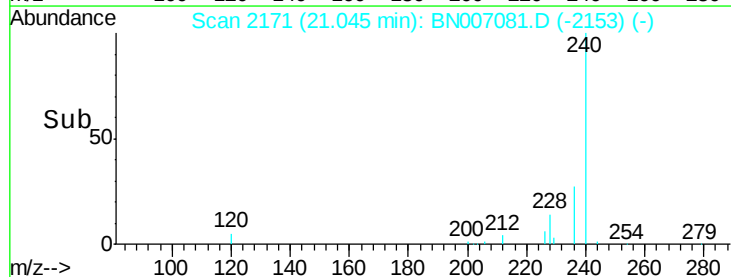
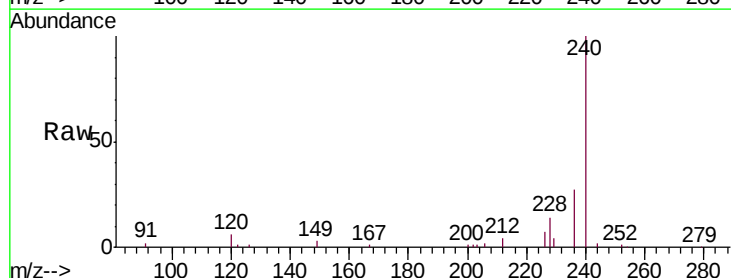
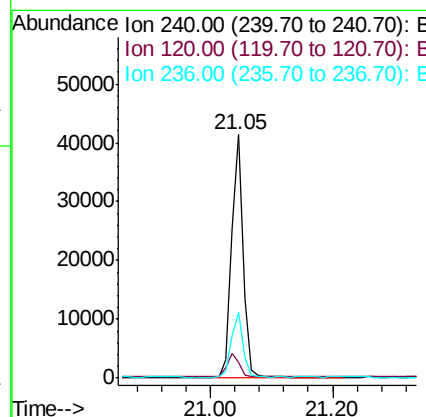
RT: 21.05 min Scan# 2171

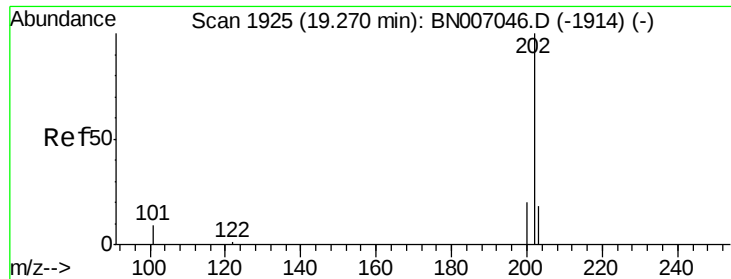
Delta R.T. -0.01 min

Lab File: BN007081.D

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Tgt	Ion	240	Resp:	54642
Ion	Ratio	Lower	Upper	
240	100			
120	6.2	4.0	6.0#	
236	27.0	21.3	31.9	





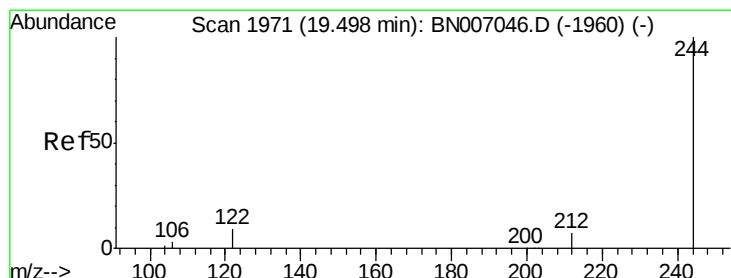
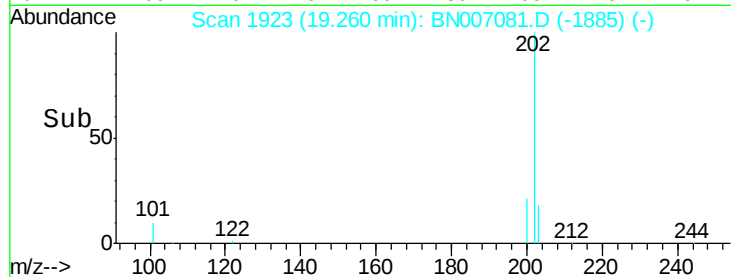
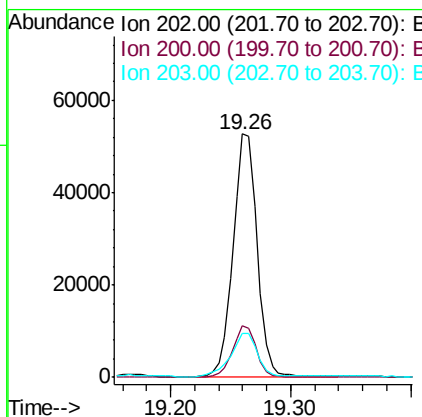
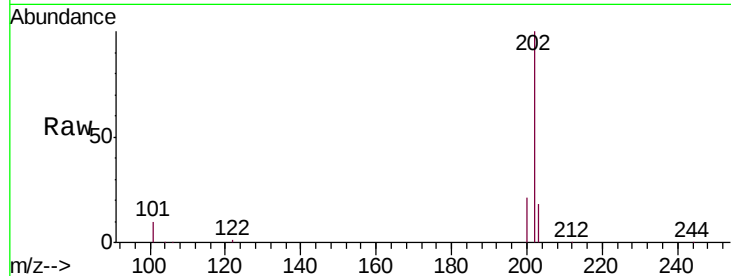
#27
 Pyrene
 Concen: 0.380 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007081.D
 Acq: 11 Aug 2019 11:37

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW127-073019

Tgt Ion:	202	Resp:	72750
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.6	24.8
203	19.9	14.0	21.0

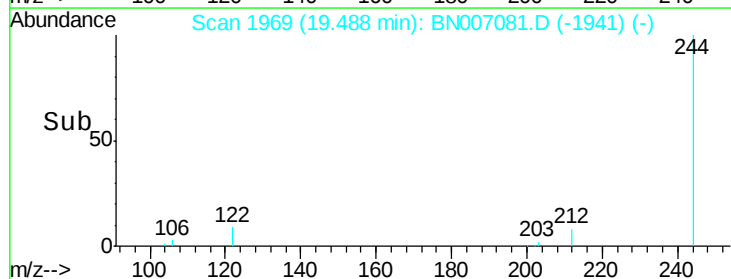
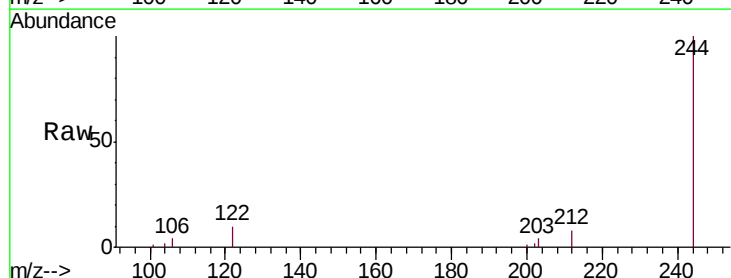
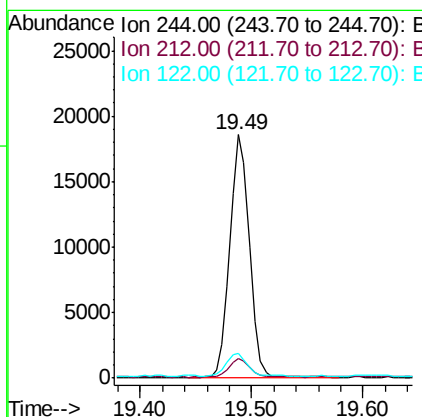
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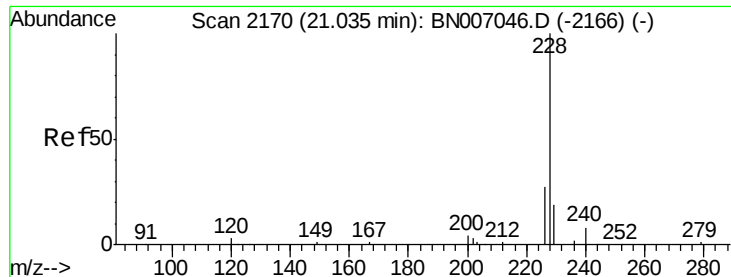
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#28
 Terphenyl-d14
 Concen: 0.150 ng
 RT: 19.49 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BN007081.D
 Acq: 11 Aug 2019 11:37

Tgt Ion:	244	Resp:	22371
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.2	9.2
122	10.3	7.4	11.2





#29

Benzo(a)anthracene

Concen: 0.217 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

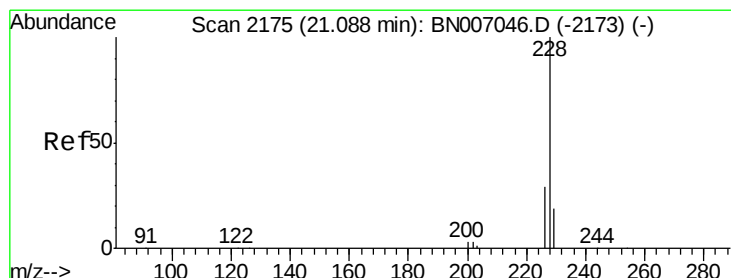
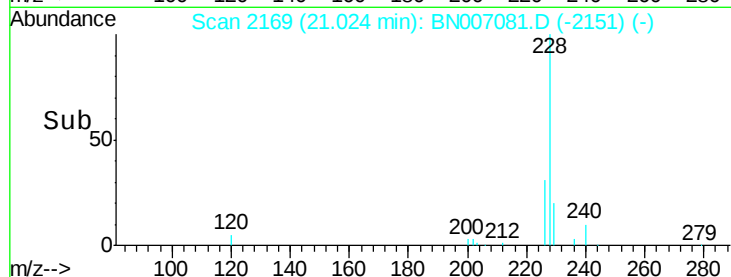
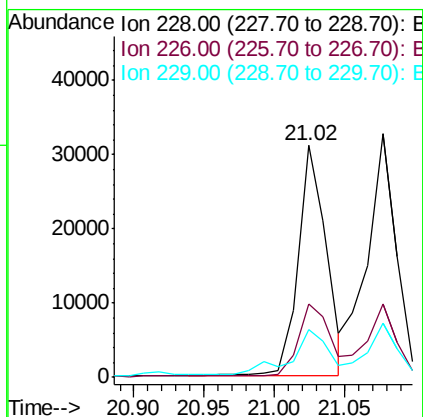
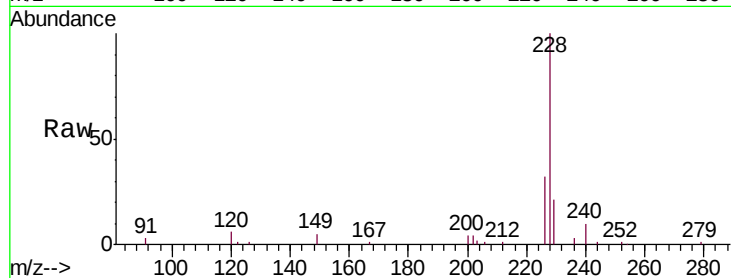
ClientSampleId :

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Tgt Ion:	228	Resp:	43388
Ion Ratio	Lower	Upper	
228	100		
226	31.8	21.8	32.6
229	20.6	15.6	23.4

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#30

Chrysene

Concen: 0.243 ng

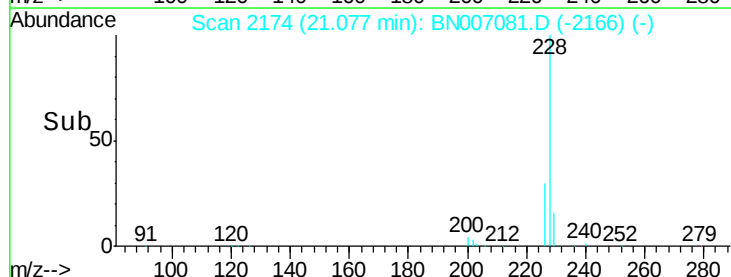
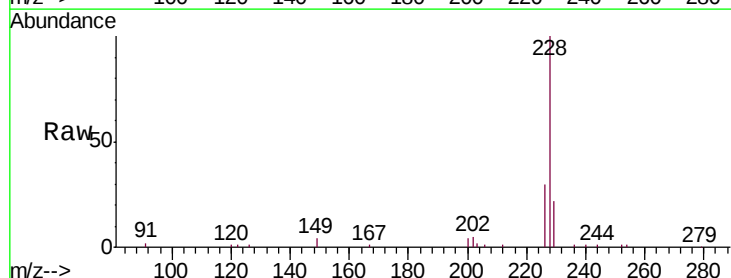
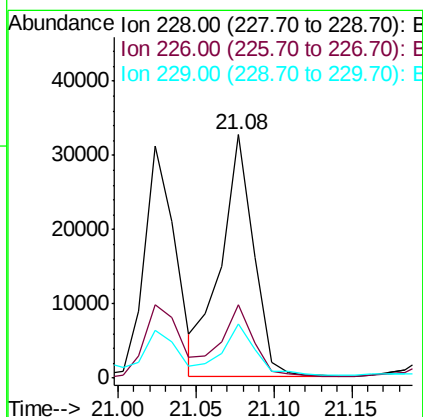
RT: 21.08 min Scan# 2174

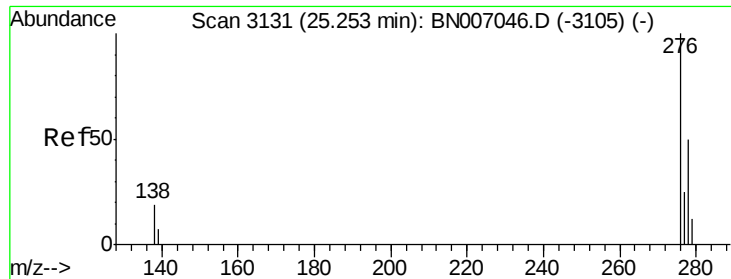
Delta R.T. -0.01 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Tgt Ion:	228	Resp:	47138
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.8	35.6
229	22.1	15.7	23.5





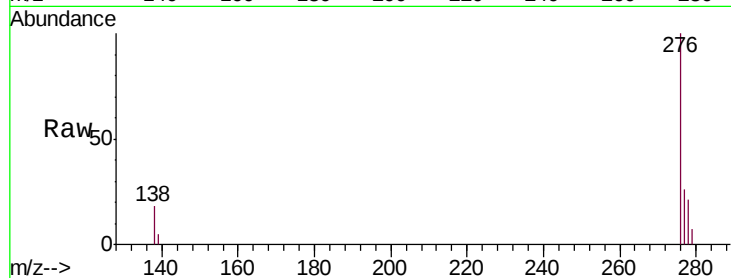
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.139 ng
 RT: 25.23 min Scan# 3125
 Delta R.T. -0.02 min
 Lab File: BN007081.D
 Acq: 11 Aug 2019 11:37

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW127-073019

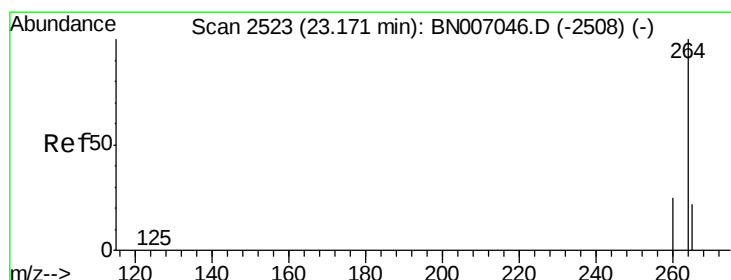
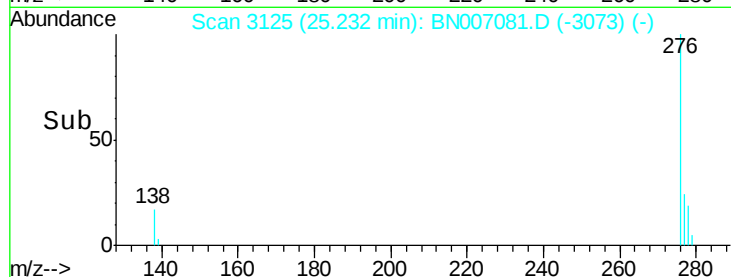
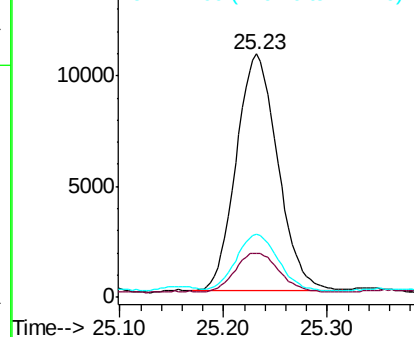
Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	18.1	16.0	24.0
277	24.2	19.9	29.9

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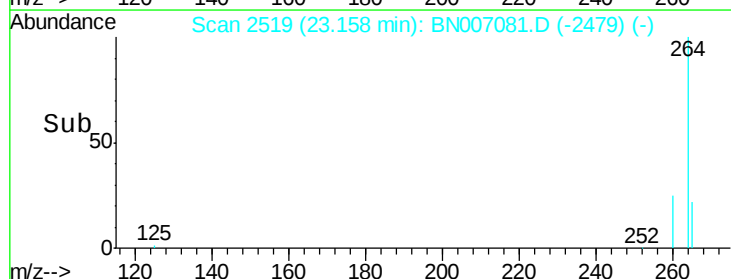
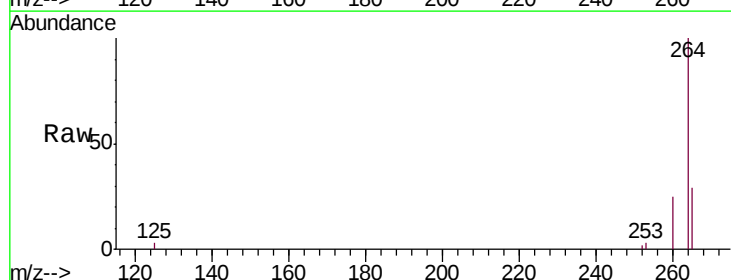
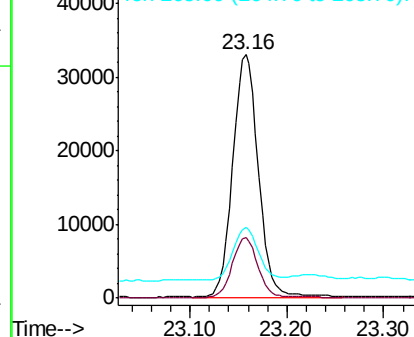
Abundance Ion 276.00 (275.70 to 276.70): E
 15000 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

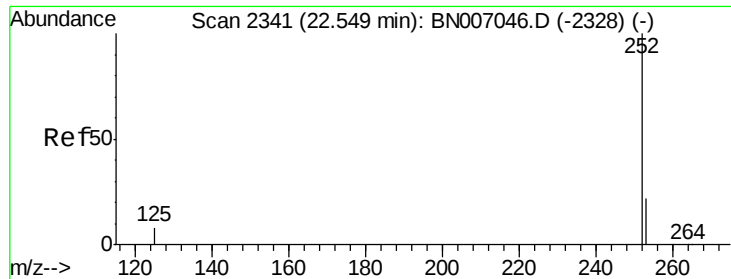


#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007081.D
 Acq: 11 Aug 2019 11:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.8	19.8	29.8
265	29.2	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





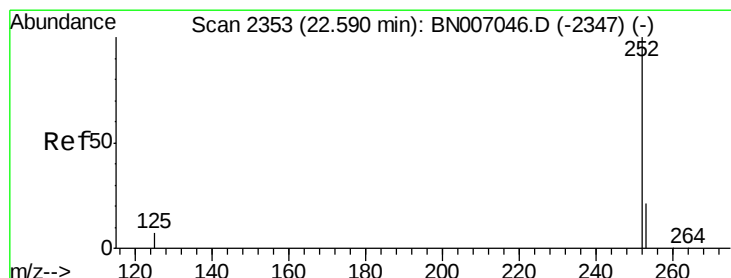
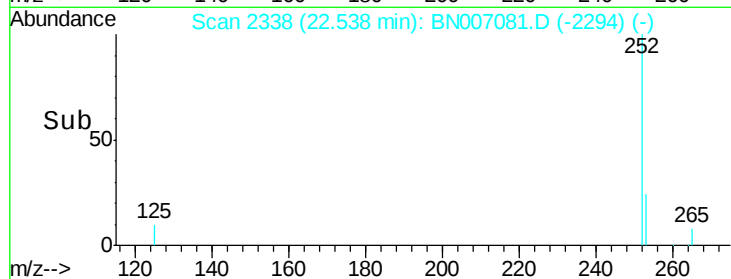
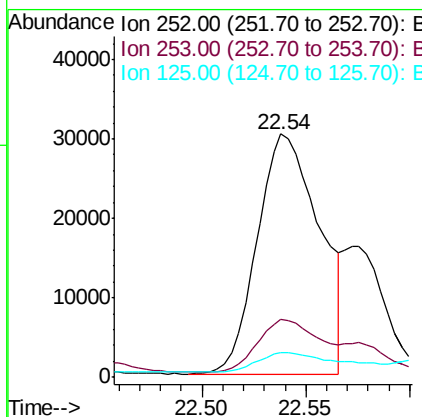
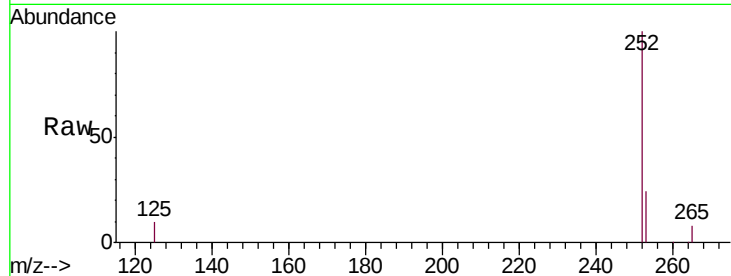
#33
Benzo(b)fluoranthene
Concen: 0.301 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007081.D
Acq: 11 Aug 2019 11:37

Instrument :
BNA_N
ClientSampleId :
PST-006-SW127-073019

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	10.1	7.4	11.0

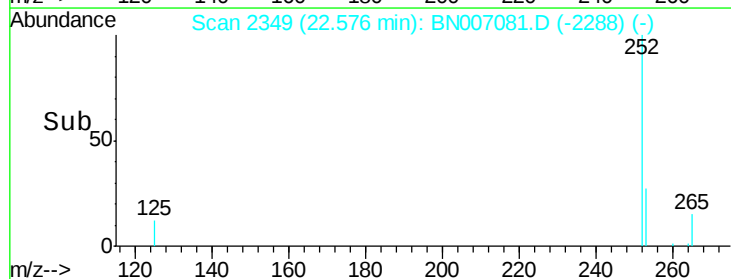
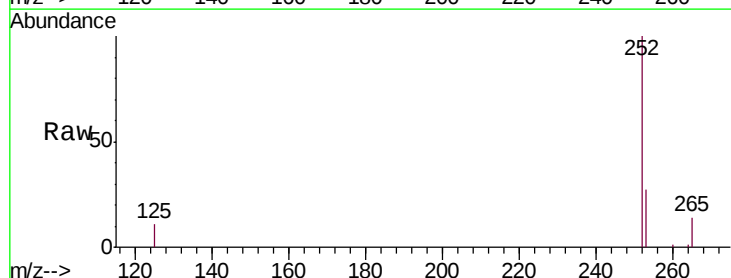
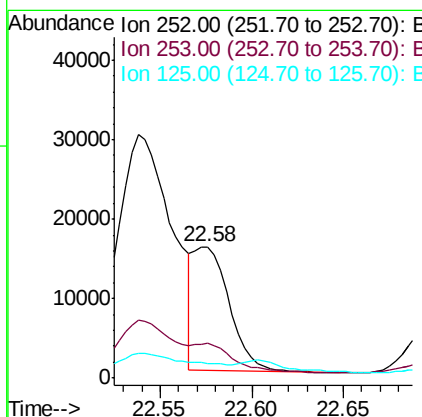
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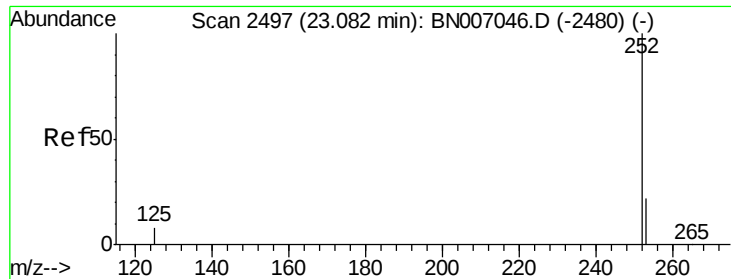
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#34
Benzo(k)fluoranthene
Concen: 0.102 ng m
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007081.D
Acq: 11 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.1	27.1
125	11.3	7.4	11.0





#35

Benzo(a)pyrene

Concen: 0.208 ng

RT: 23.07 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

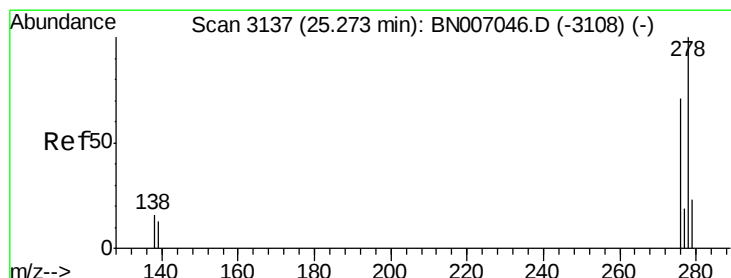
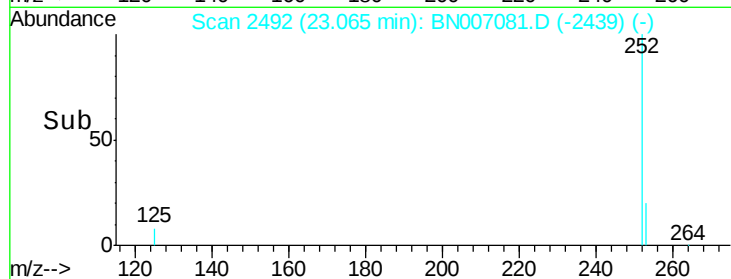
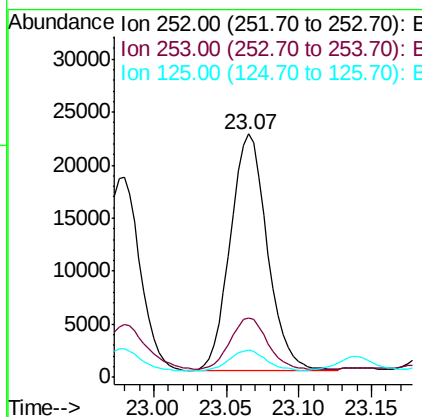
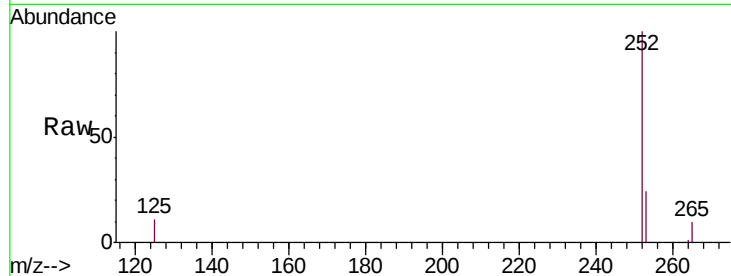
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	11.1	8.2	12.4

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#36

Dibenzo(a,h)anthracene

Concen: 0.042 ng

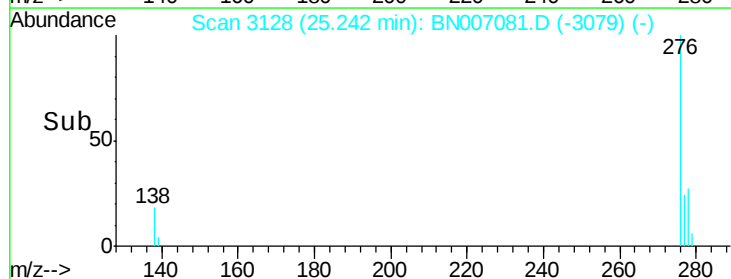
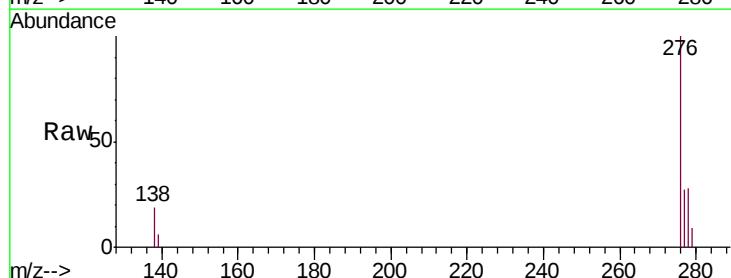
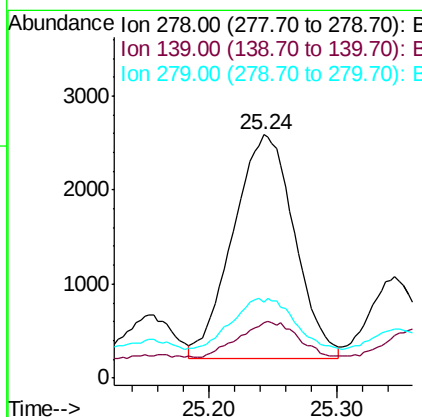
RT: 25.24 min Scan# 3128

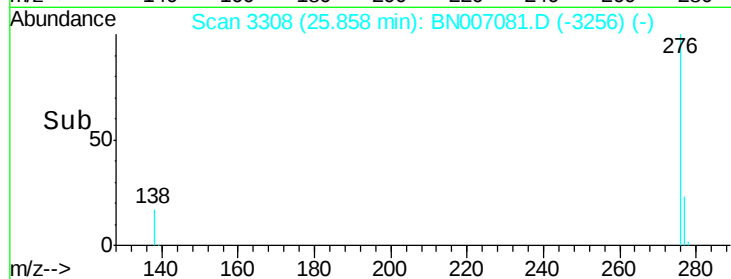
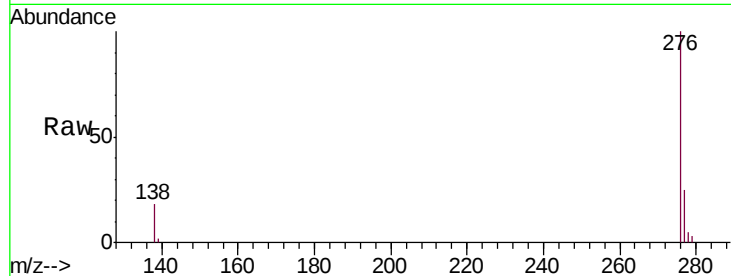
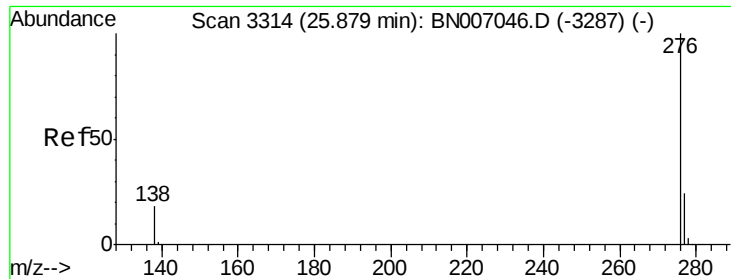
Delta R.T. -0.03 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.9	11.3	16.9#
279	31.4	19.3	28.9#





#37

Benzo(g,h,i)perylene

Concen: 0.155 ng

RT: 25.86 min Scan# 3308

Delta R.T. -0.02 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Tgt	Ion	276	Resp	30067
Ion	Ratio	Lower	Upper	
276	100			
277	25.2	19.8	29.8	
138	18.2	14.6	22.0	

Instrument :

BNA_N

ClientSampleId :

PST-006-SW127-073019

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