

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
 Data File : BN007076.D
 Acq On : 11 Aug 2019 08:36
 Operator : HP/JU
 Sample : K4143-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW125-073019

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:57:02 AM

Quant Time: Aug 12 06:51:02 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	9874	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	37843	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	21845	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	53639	0.40	ng	0.00
26) Chrysene-d12	21.05	240	55253	0.40	ng	-0.01
32) Perylene-d12	23.16	264	62146	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	5112	0.22	ng	0.00
4) Phenol-d6	6.61	99	6956	0.24	ng	0.00
7) Nitrobenzene-d5	8.56	82	5409	0.18	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	12598	0.18	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1482	0.13	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4303	0.14	ng	0.00
24) Fluoranthene-d10	18.87	212	31773	0.17	ng	0.00
28) Terphenyl-d14	19.49	244	23379	0.16	ng	-0.01

Target Compounds

						Qvalue
15) Acenaphthylene	13.79	152	3840	0.034	ng	97
22) Phenanthrene	16.87	178	12555	0.078	ng	99
23) Anthracene	16.96	178	3611	0.025	ng	99
25) Fluoranthene	18.90	202	24161	0.117	ng	99
27) Pyrene	19.26	202	24834	0.128	ng	98
29) Benzo(a)anthracene	21.02	228	11701m	0.058	ng	
30) Chrysene	21.08	228	15604	0.079	ng	96
31) Indeno(1,2,3-cd)pyrene	25.23	276	11656	0.054	ng	98
33) Benzo(b)fluoranthene	22.54	252	19218	0.090	ng	# 89
34) Benzo(k)fluoranthene	22.58	252	8791m	0.042	ng	
35) Benzo(a)pyrene	23.07	252	12217	0.063	ng	# 87
36) Dibenzo(a,h)anthracene	25.25	278	4232	0.022	ng	# 65
37) Benzo(g,h,i)perylene	25.86	276	12288	0.062	ng	93

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

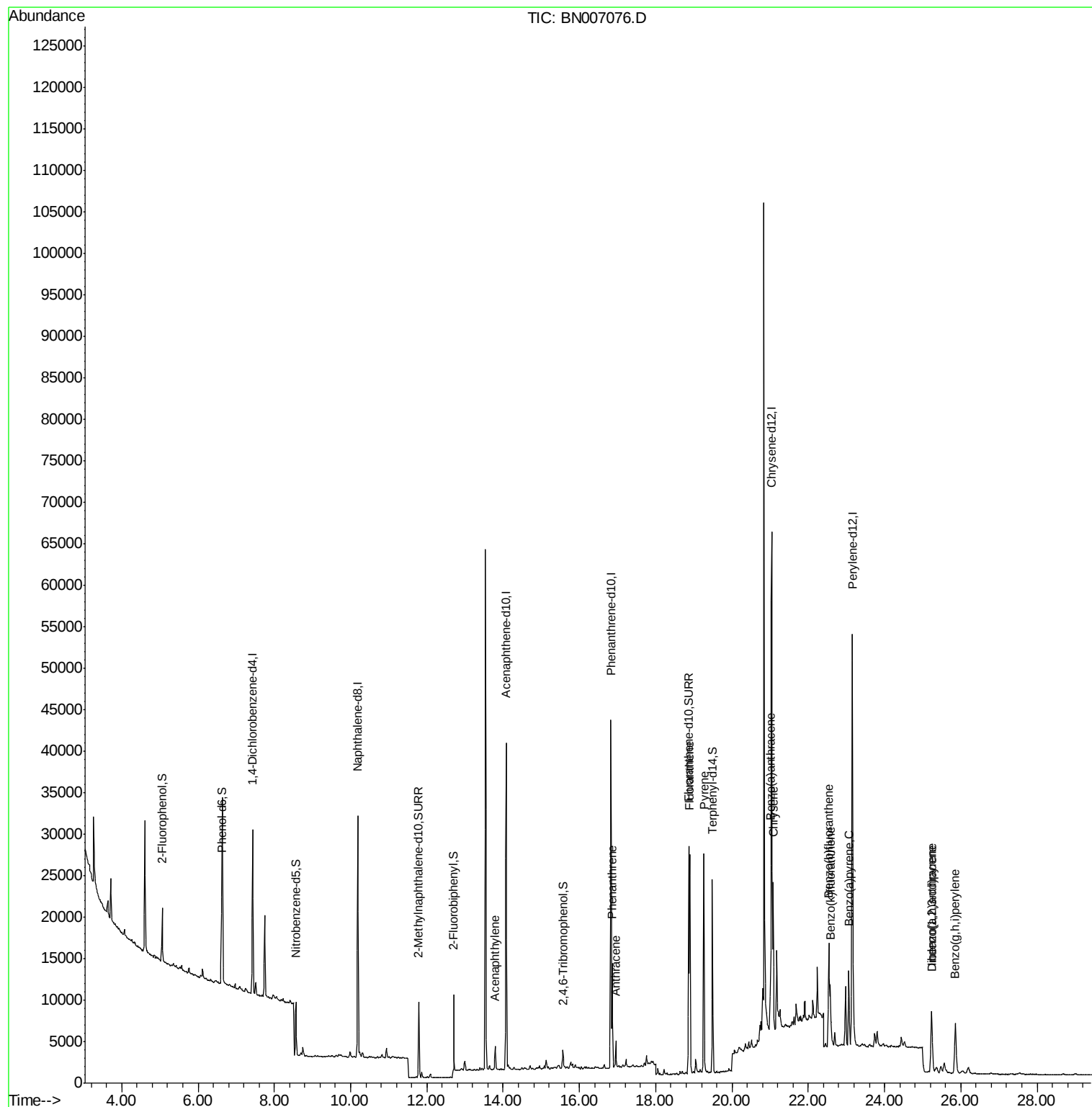
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
Data File : BN007076.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

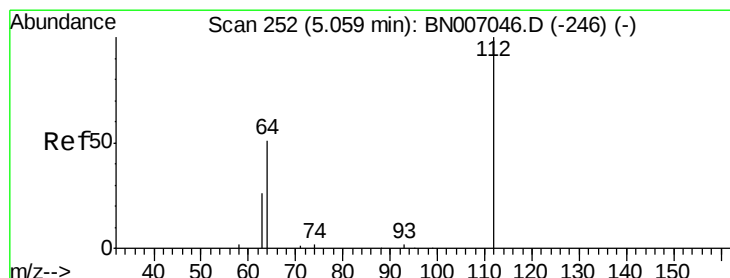
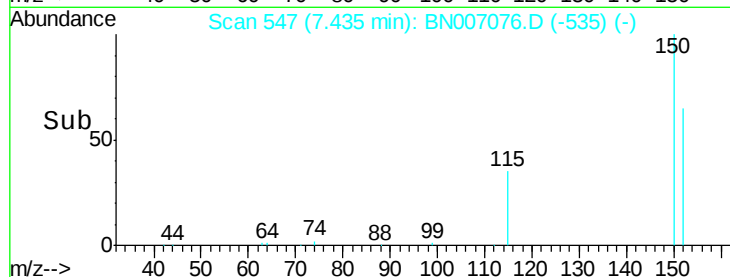
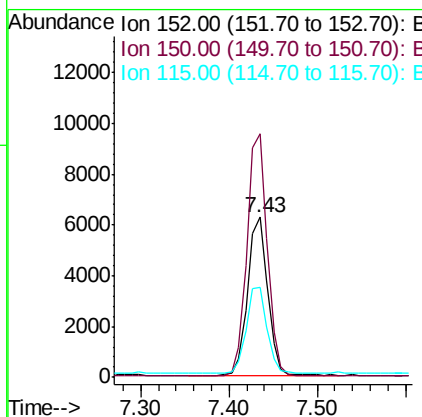
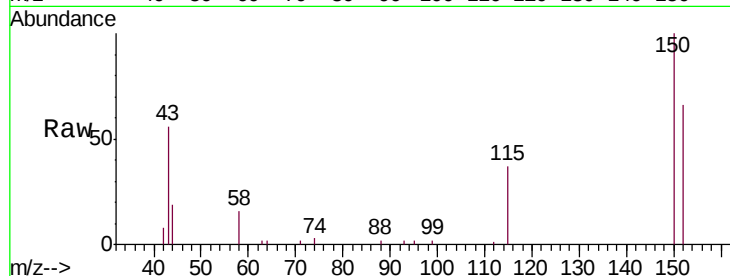
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Instrument :
BNA_N
ClientSampleId :
PST-006-SW125-073019

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.0	121.7	182.5
115	56.0	46.2	69.4

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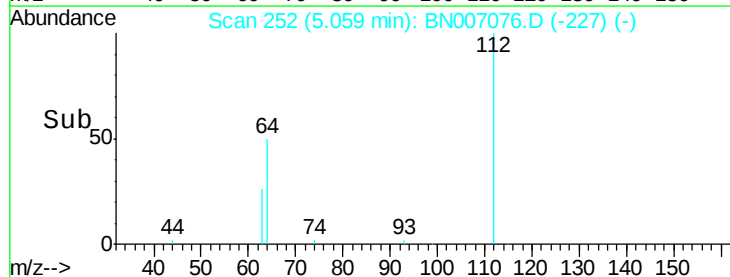
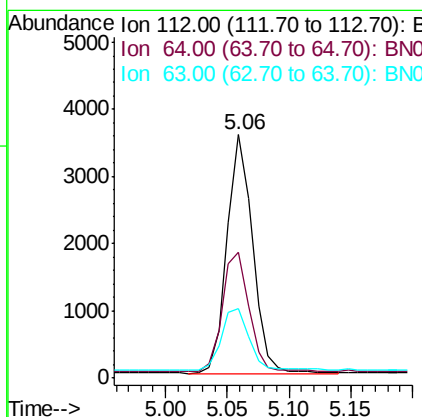
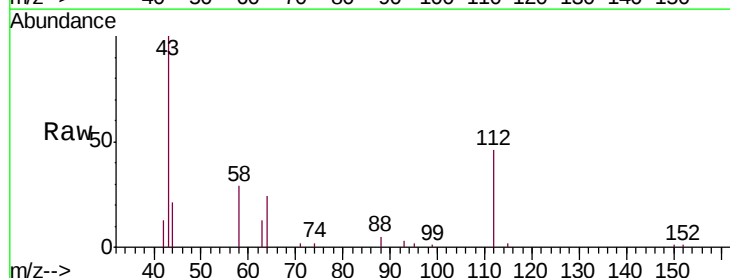
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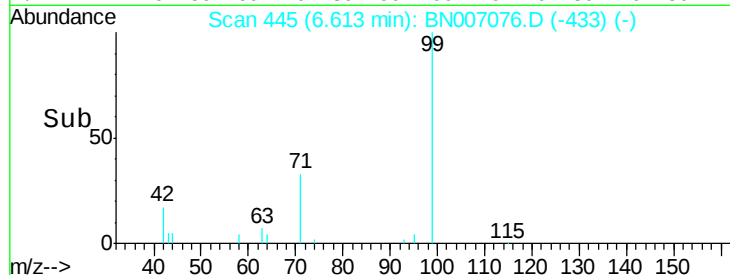
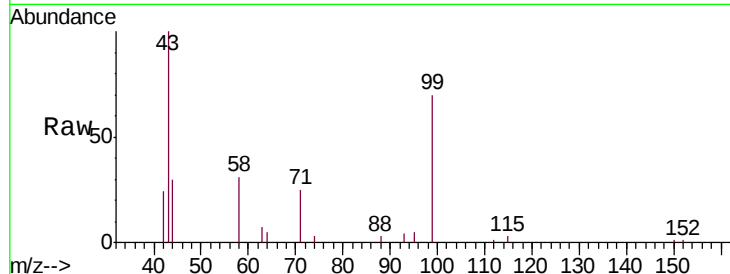
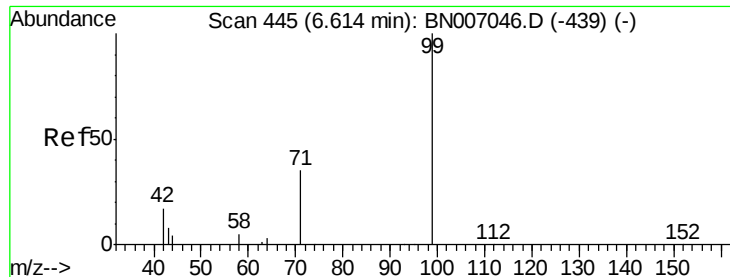


#3

2-Fluorophenol
Concen: 0.215 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	42.6	63.8
63	28.0	22.2	33.2





#4

Phenol-d6

Concen: 0.237 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Tgt Ion:	99	Resp:	6956
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	34.8	27.0	40.4

Instrument :

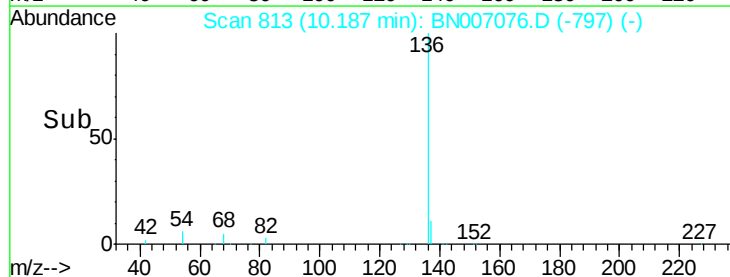
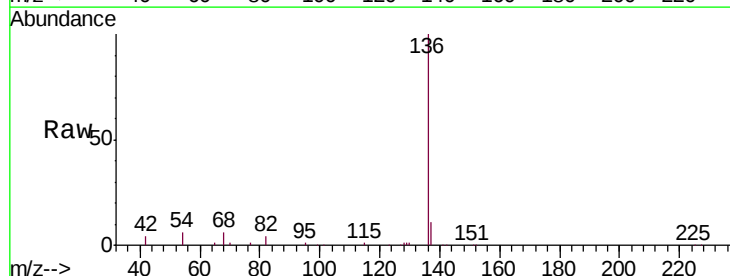
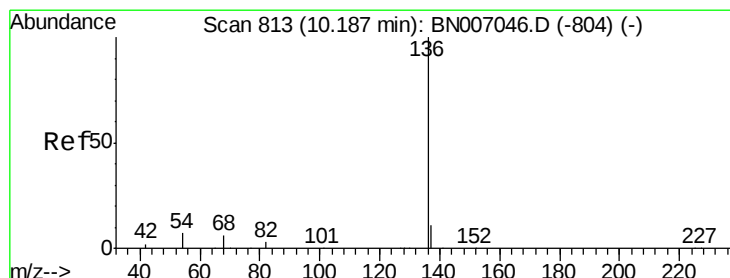
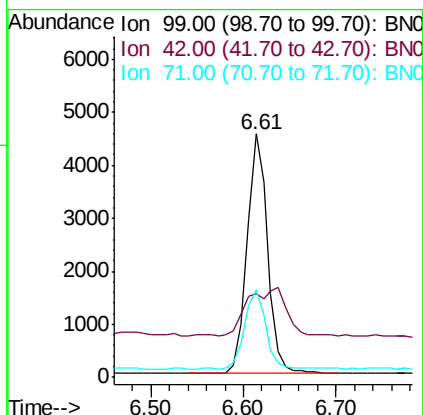
BNA_N

ClientSampleId :

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#6

Naphthalene-d8

Concen: 0.400 ng

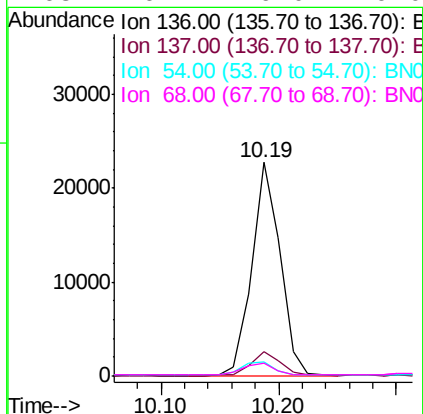
RT: 10.19 min Scan# 813

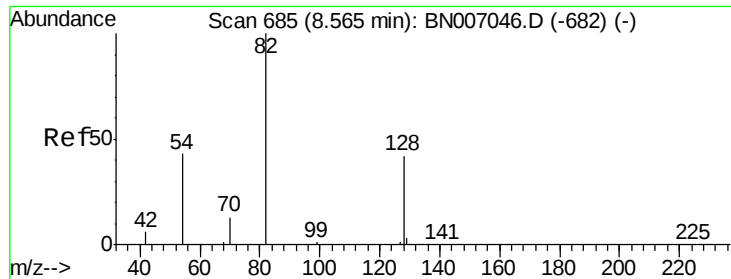
Delta R.T. -0.00 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Tgt Ion:	136	Resp:	37843
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.4	14.0
54	6.4	6.6	9.8#
68	6.1	6.0	9.0





#7

Nitrobenzene-d5

Concen: 0.177 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Instrument :

BNA_N

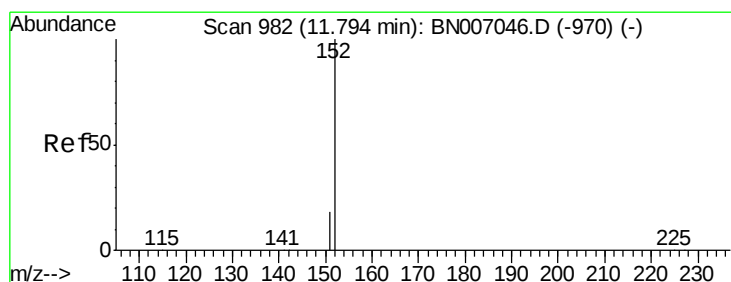
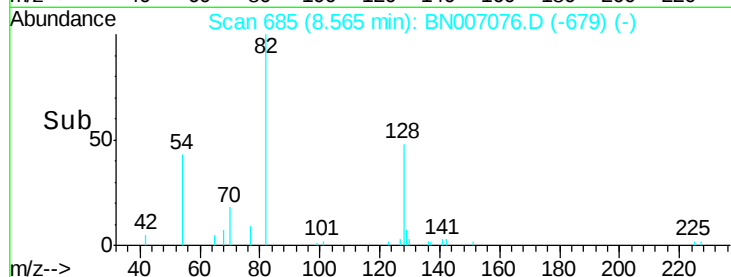
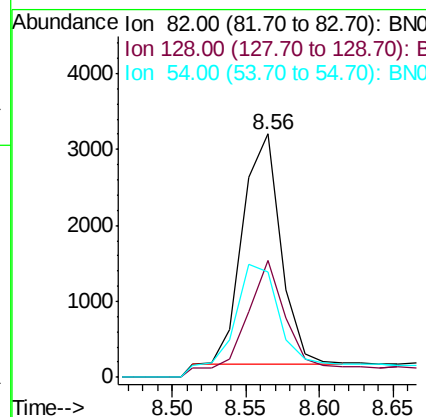
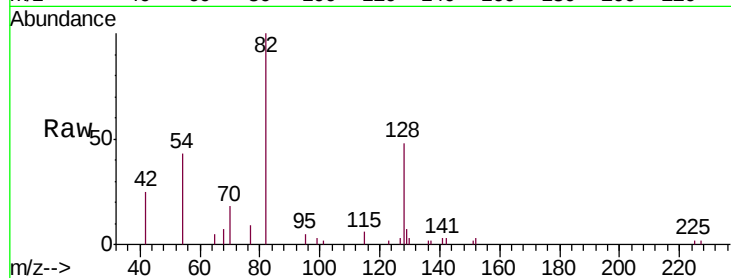
ClientSampleId :

PST-006-SW125-073019

Tgt Ion:	82	Resp:	5409
Ion Ratio	Lower	Upper	
82	100		
128	47.9	34.6	51.8
54	43.4	36.2	54.4

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#10

2-Methylnaphthalene-d10

Concen: 0.179 ng

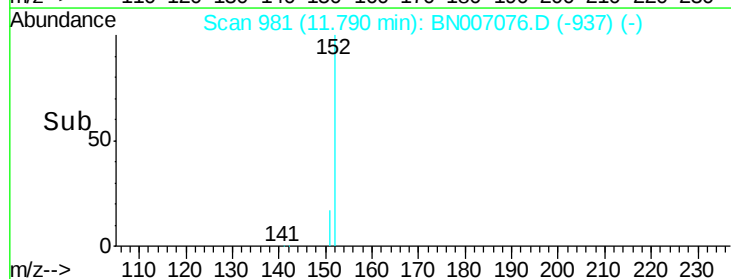
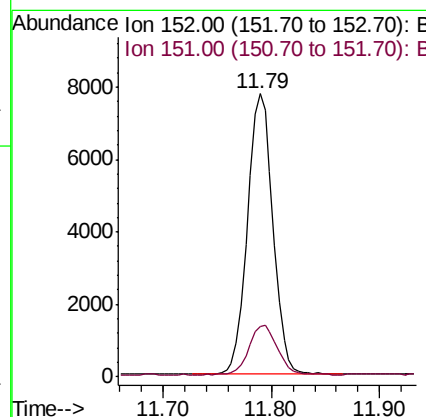
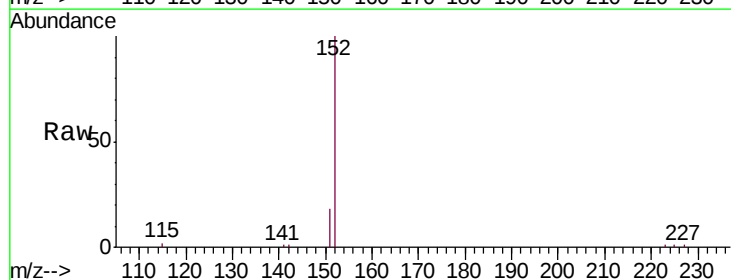
RT: 11.79 min Scan# 981

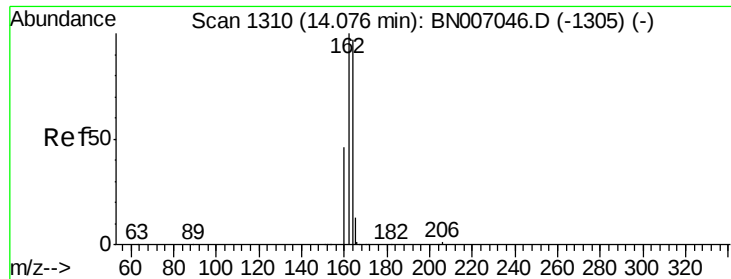
Delta R.T. -0.00 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Tgt Ion:	152	Resp:	12598
Ion Ratio	Lower	Upper	
152	100		
151	19.6	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: BN007076.D

Acq: 11 Aug 2019 08:36

Instrument :

BNA_N

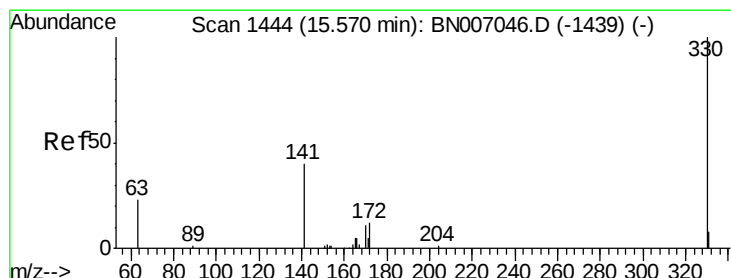
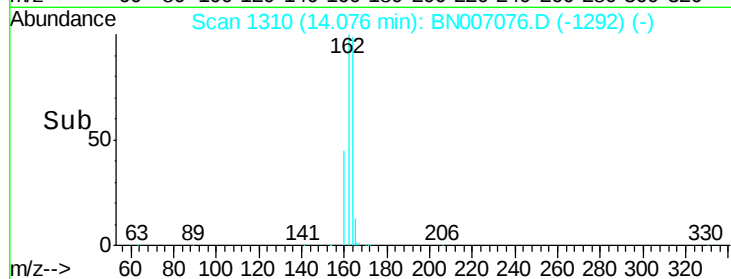
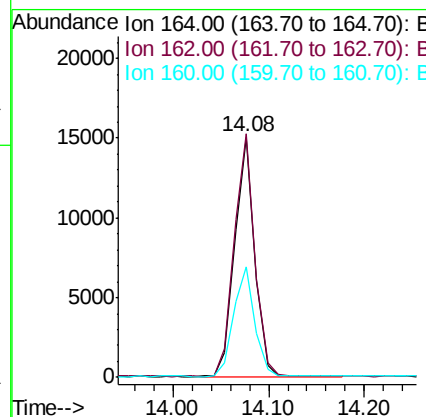
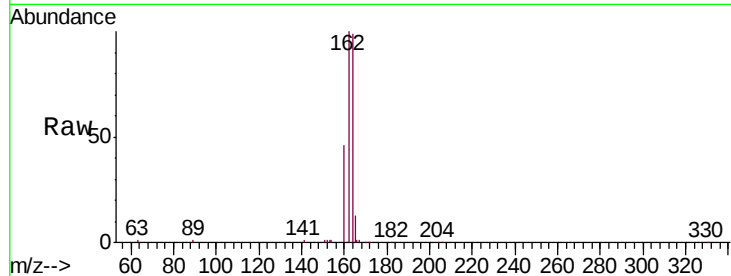
ClientSampleId :

PST-006-SW125-073019

Tgt Ion:	164	Resp:	21845
Ion Ratio	Lower	Upper	
164	100		
162	101.3	82.2	123.4
160	46.1	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.126 ng

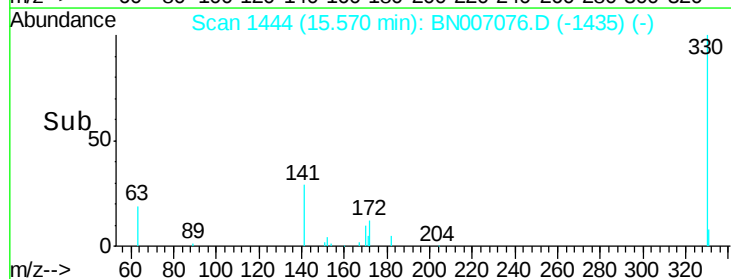
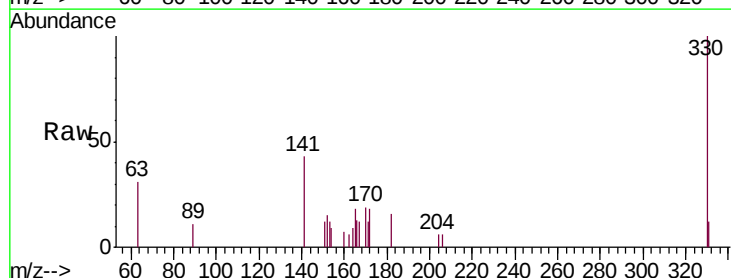
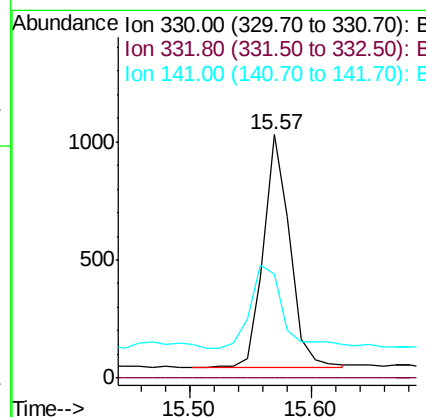
RT: 15.57 min Scan# 1444

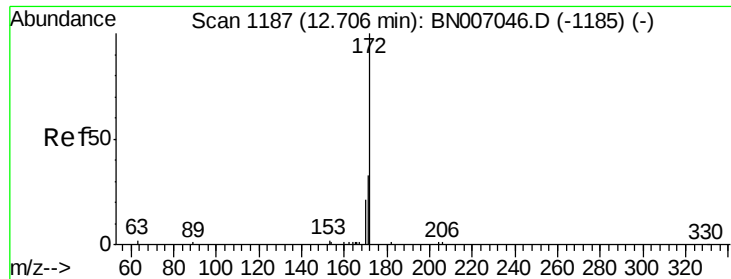
Delta R.T. -0.00 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Tgt Ion:	330	Resp:	1482
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	44.2	33.6	50.4





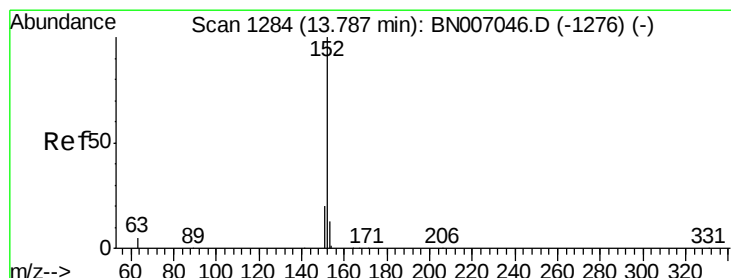
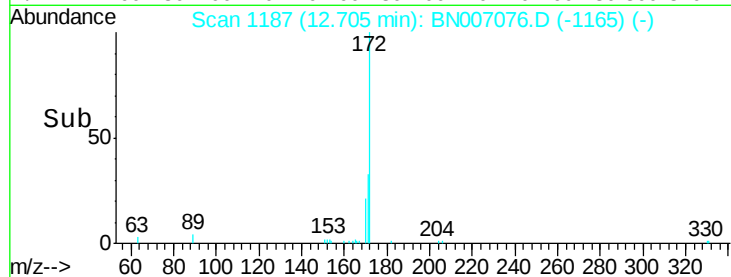
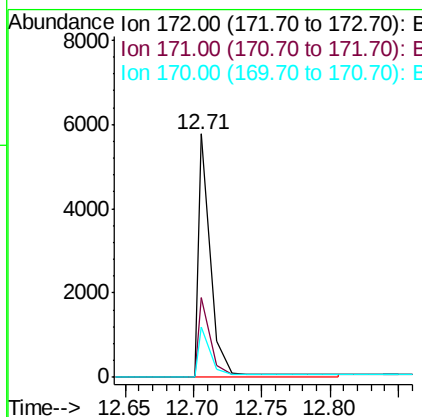
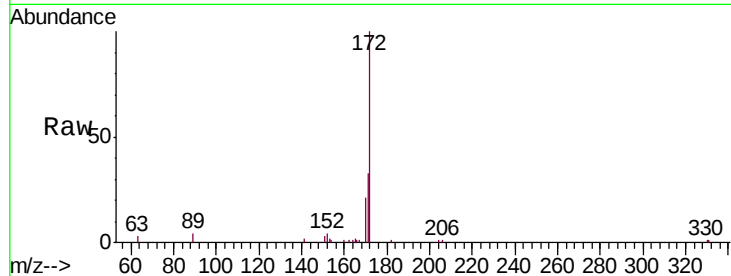
#14
2-Fluorobiphenyl
Concen: 0.135 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Instrument :
BNA_N
ClientSampleId :
PST-006-SW125-073019

Tgt Ion:	172	Resp:	4303
Ion Ratio	Lower	Upper	
172	100		
171	32.8	26.3	39.5
170	20.7	17.0	25.4

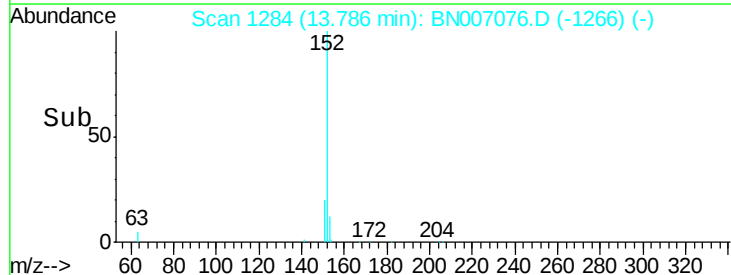
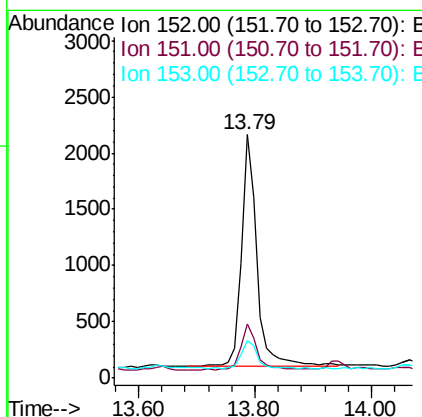
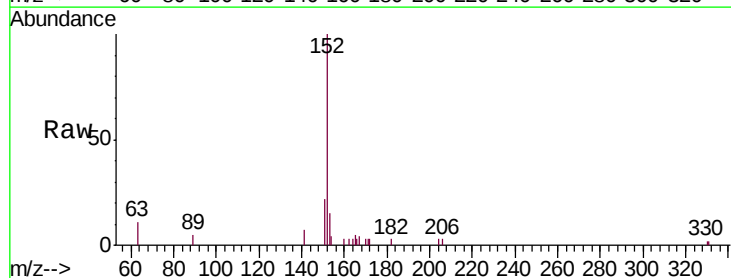
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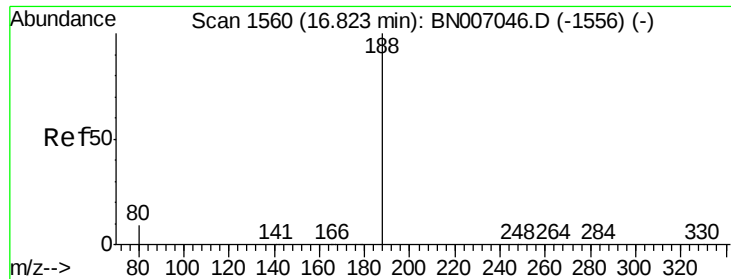
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#15
Acenaphthylene
Concen: 0.034 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Tgt Ion:	152	Resp:	3840
Ion Ratio	Lower	Upper	
152	100		
151	21.3	15.8	23.6
153	14.3	10.4	15.6





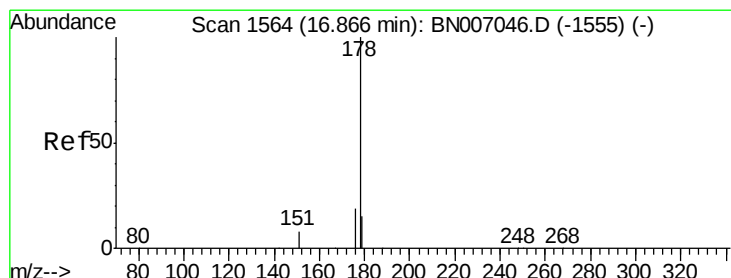
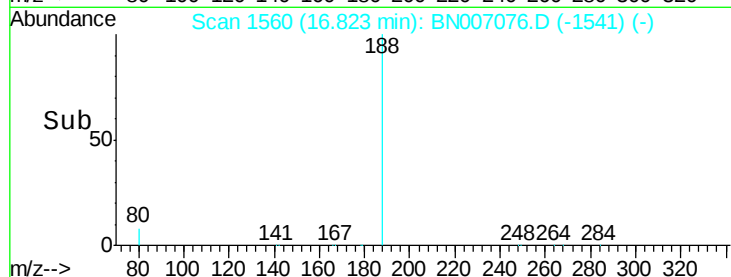
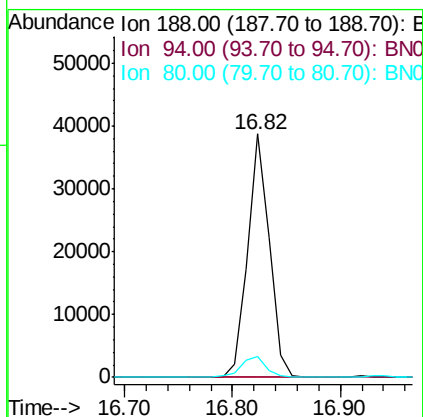
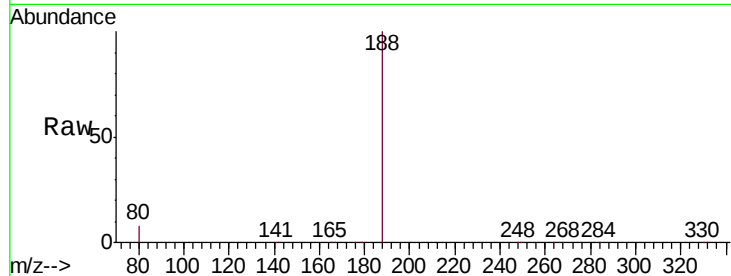
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Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Instrument :
BNA_N
ClientSampleId :
PST-006-SW125-073019

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	53639		
94	0.0	0.0	0.0	0.0
80	8.3	7.8	11.6	

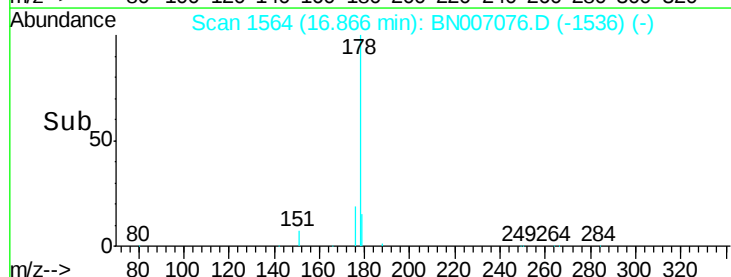
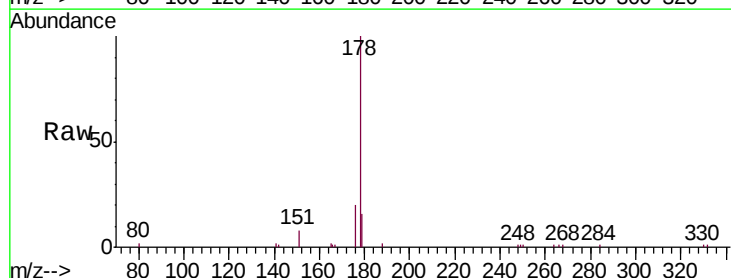
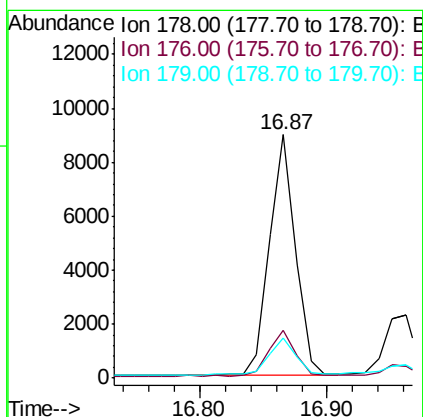
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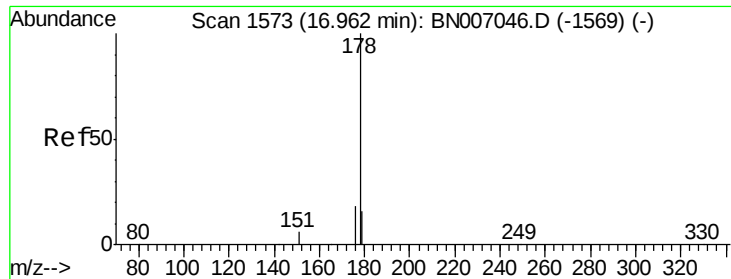
mohammad
8/14/2019 2:57:02 AM



#22
Phenanthrene
Concen: 0.078 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	12555		
176	18.8	15.2	22.8	
179	16.3	12.3	18.5	





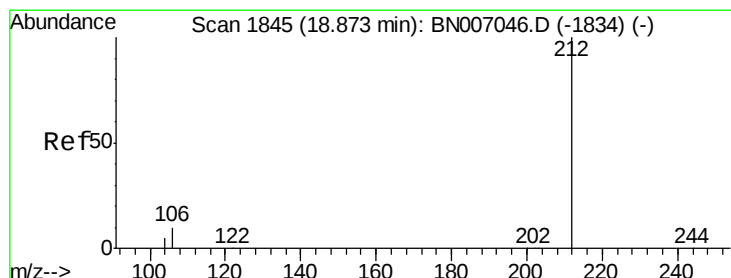
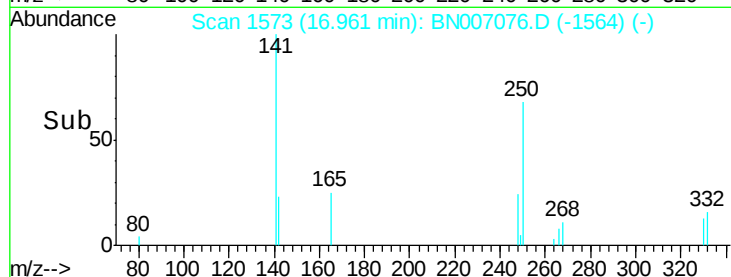
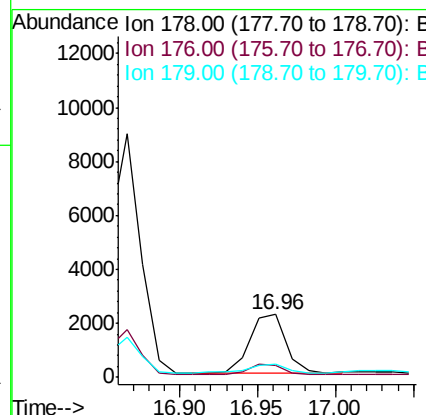
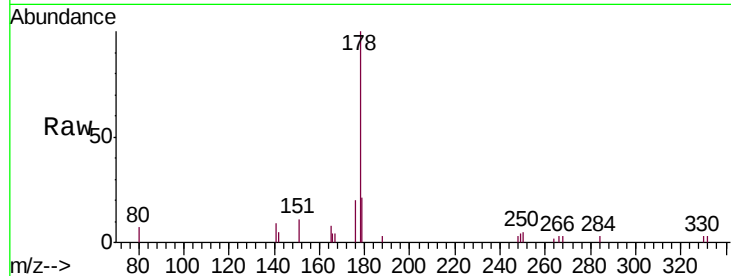
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 Anthracene
 Concen: 0.025 ng
 RT: 16.96 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BN007076.D
 Acq: 11 Aug 2019 08:36

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW125-073019

Tgt Ion:	178	Resp:	3611
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.6	21.8
179	16.6	12.5	18.7

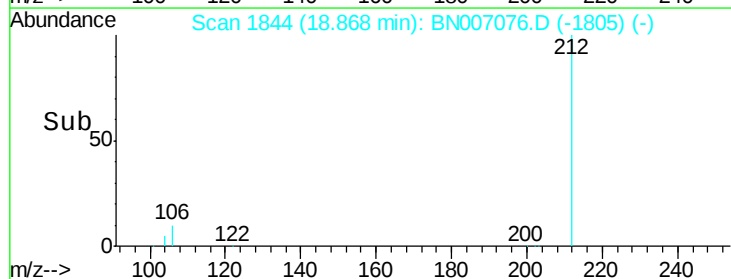
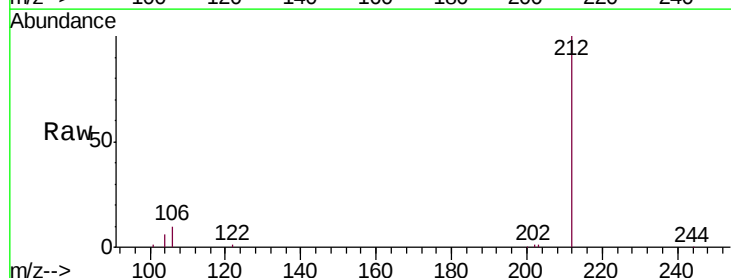
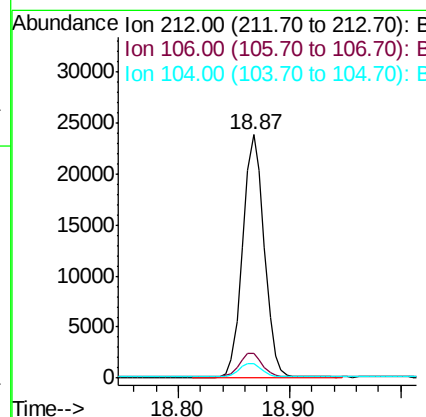
Manual Integrations
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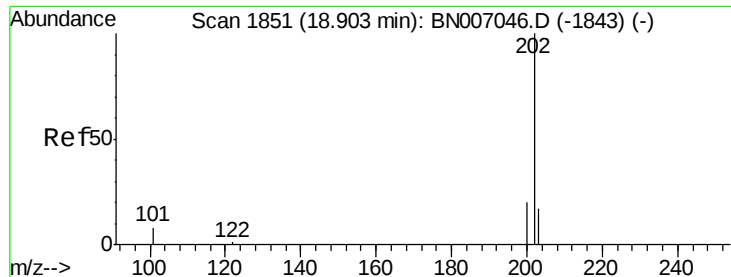
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#24
 Fluoranthene-d10
 Concen: 0.167 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007076.D
 Acq: 11 Aug 2019 08:36

Tgt Ion:	212	Resp:	31773
Ion Ratio	Lower	Upper	
212	100		
106	10.4	8.2	12.2
104	5.6	4.5	6.7





#25

Fluoranthene

Concen: 0.117 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Instrument :

BNA_N

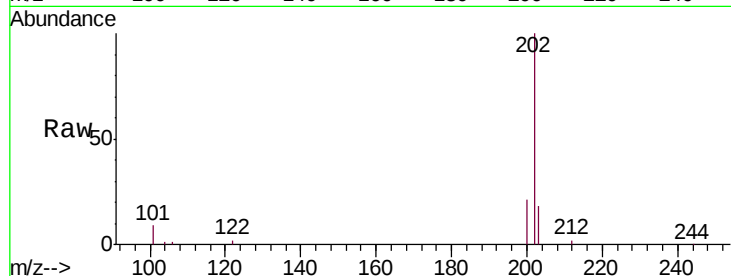
ClientSampleId :

PST-006-SW125-073019

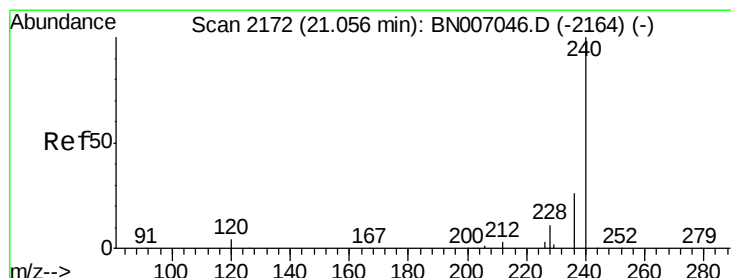
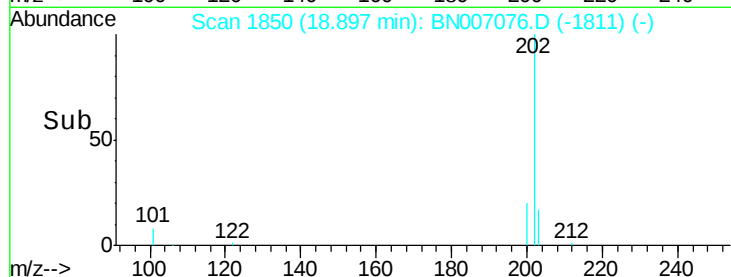
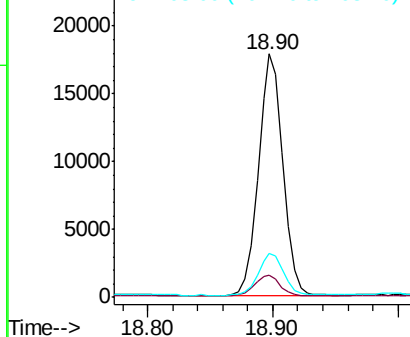
Tgt Ion:	202	Resp:	24161
Ion Ratio	Lower	Upper	
202	100		
101	8.6	7.0	10.4
203	17.7	13.8	20.8

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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

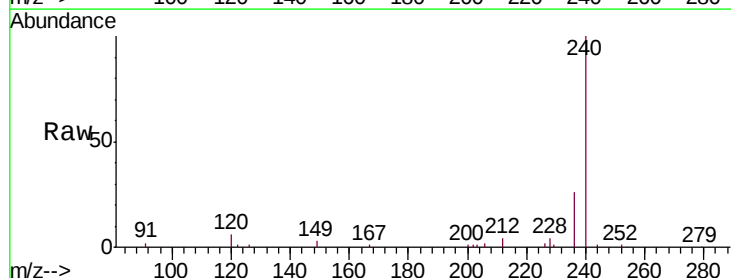
RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

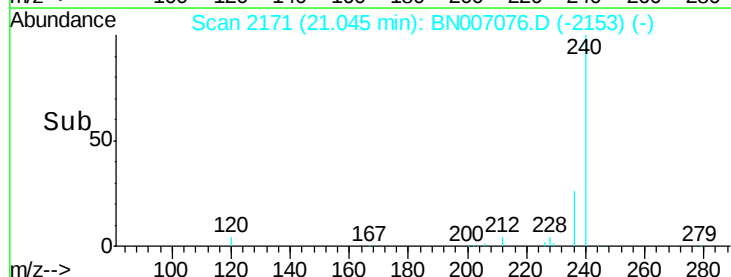
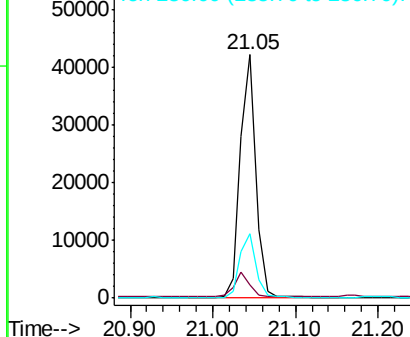
Lab File: BN007076.D

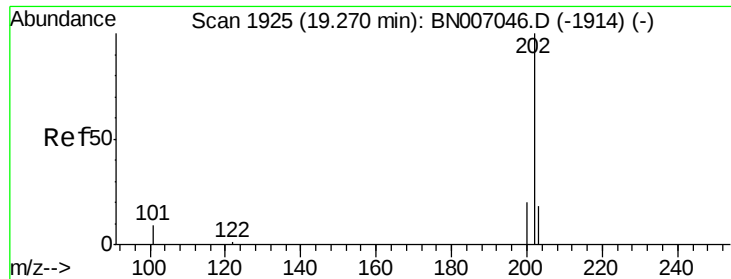
Acq: 11 Aug 2019 08:36

Tgt Ion:	240	Resp:	55253
Ion Ratio	Lower	Upper	
240	100		
120	5.5	4.0	6.0
236	26.3	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





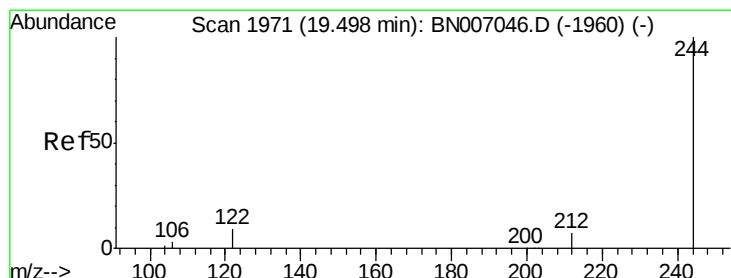
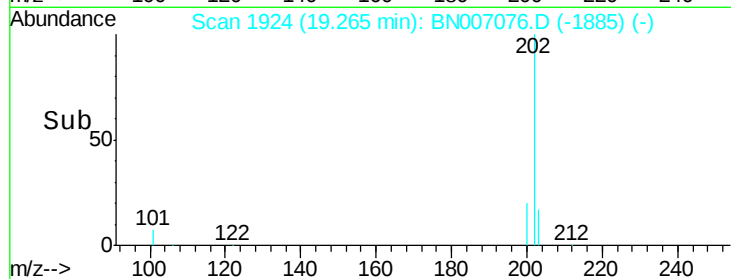
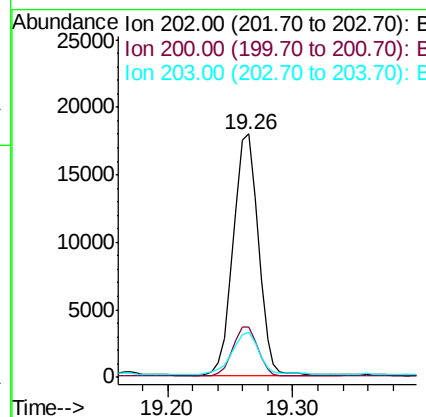
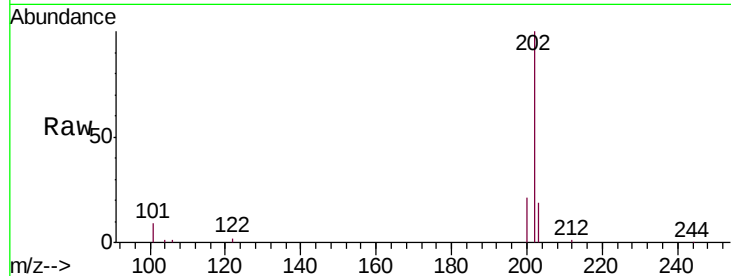
#27
 Pyrene
 Concen: 0.128 ng
 RT: 19.26 min Scan# 1924
 Delta R.T. -0.01 min
 Lab File: BN007076.D
 Acq: 11 Aug 2019 08:36

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW125-073019

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	19.7	14.0	21.0

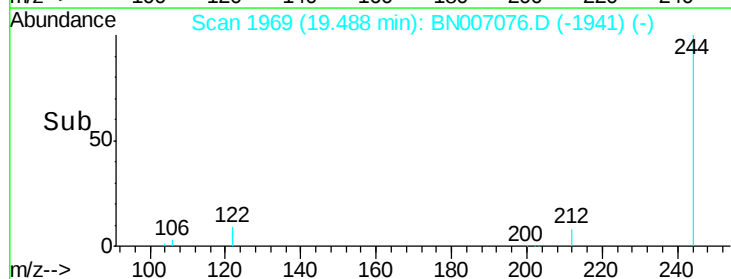
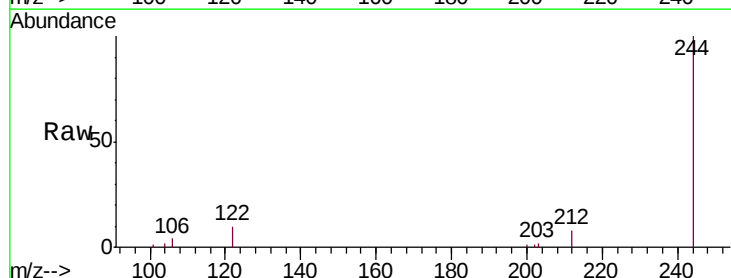
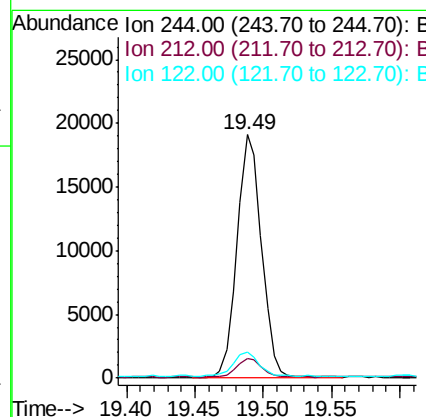
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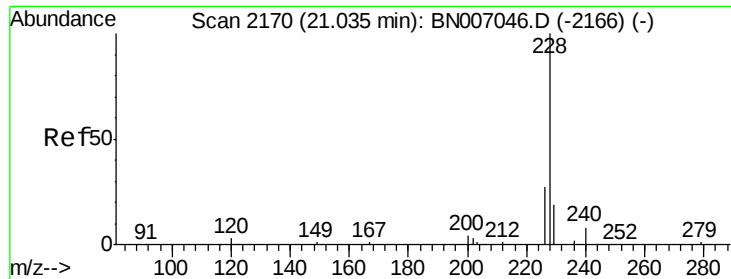
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#28
 Terphenyl-d14
 Concen: 0.155 ng
 RT: 19.49 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BN007076.D
 Acq: 11 Aug 2019 08:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.2
122	10.5	7.4	11.2





#29

Benzo(a)anthracene

Concen: 0.058 ng m

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Instrument :

BNA_N

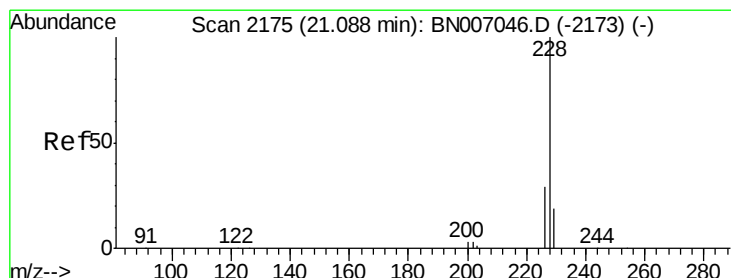
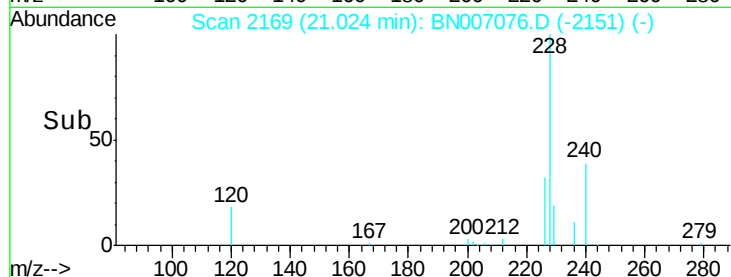
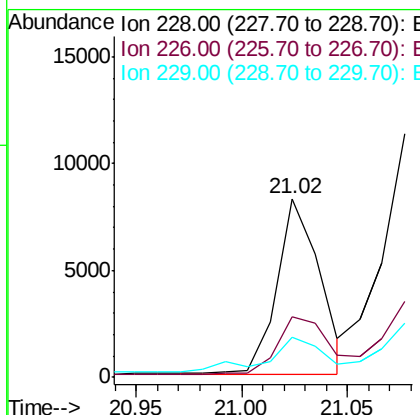
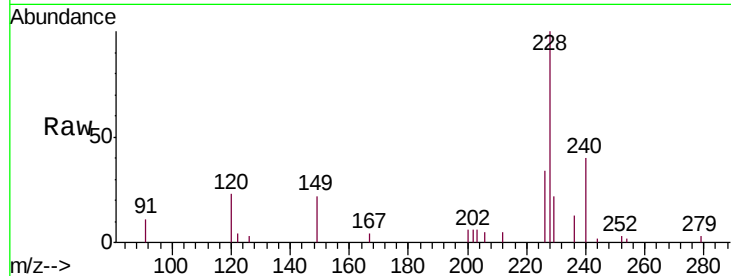
ClientSampleId :

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Tgt Ion:	228	Resp:	11701
Ion Ratio	Lower	Upper	
228	100		
226	34.1	21.8	32.6#
229	22.2	15.6	23.4

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#30

Chrysene

Concen: 0.079 ng

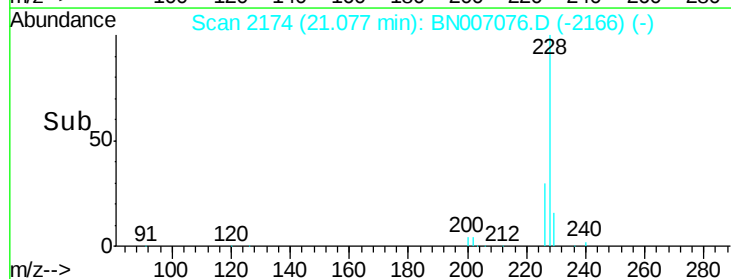
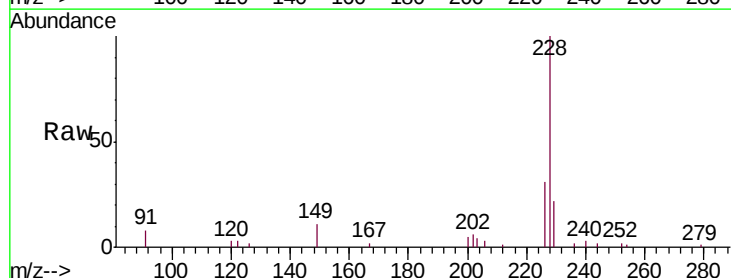
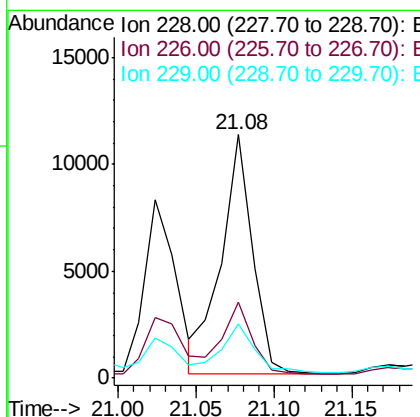
RT: 21.08 min Scan# 2174

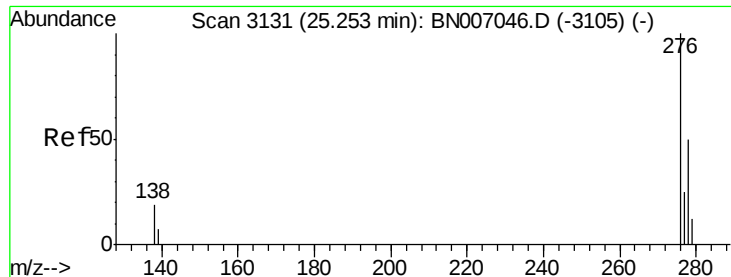
Delta R.T. -0.01 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Tgt Ion:	228	Resp:	15604
Ion Ratio	Lower	Upper	
228	100		
226	31.3	23.8	35.6
229	22.3	15.7	23.5





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.054 ng

RT: 25.23 min Scan# 3125

Delta R.T. -0.02 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Instrument :

BNA_N

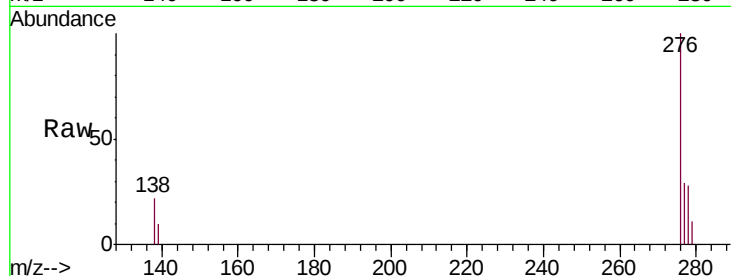
ClientSampleId :

PST-006-SW125-073019

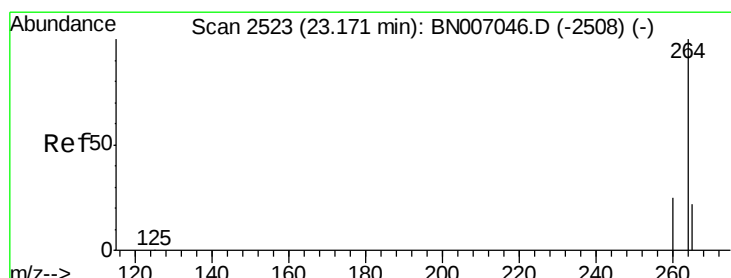
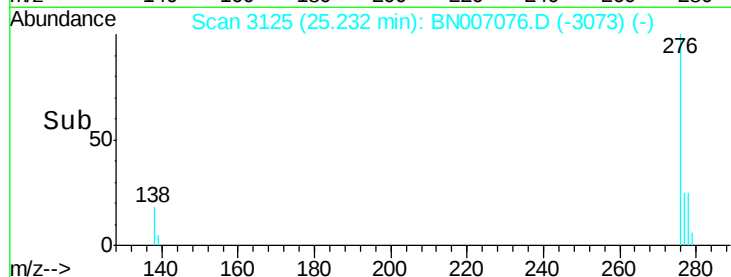
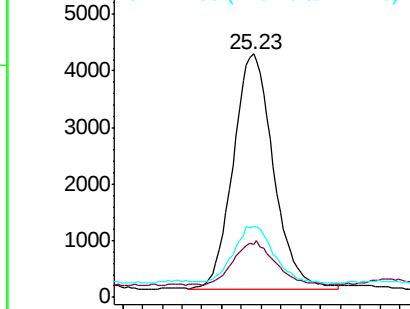
Tgt Ion:	276	Resp:	11656
Ion Ratio	Lower	Upper	
276	100		
138	18.8	16.0	24.0
277	23.7	19.9	29.9

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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

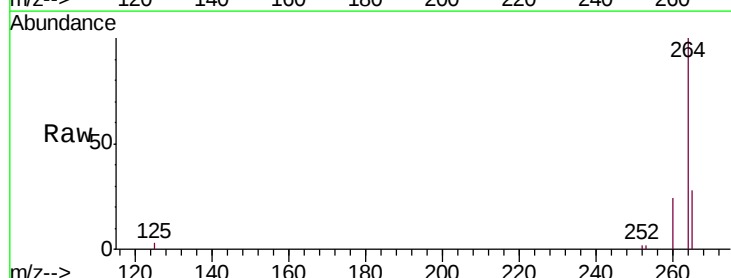
RT: 23.16 min Scan# 2519

Delta R.T. -0.01 min

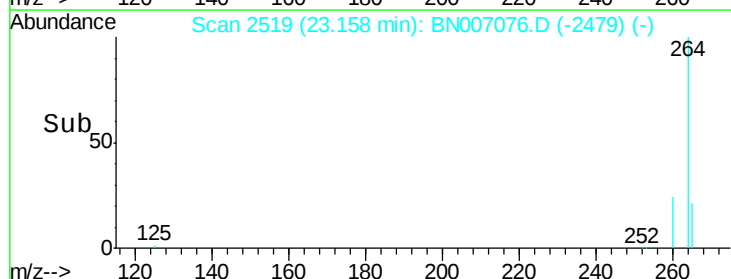
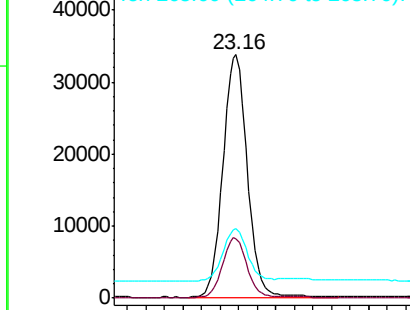
Lab File: BN007076.D

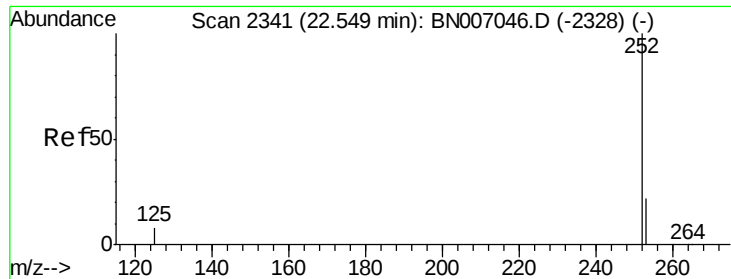
Acq: 11 Aug 2019 08:36

Tgt Ion:	264	Resp:	62146
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.8	29.8
265	28.3	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





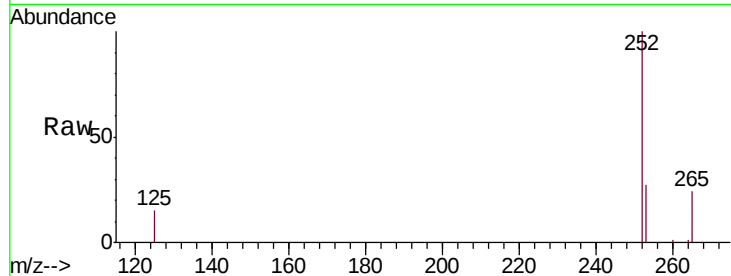
#33
Benzo(b)fluoranthene
Concen: 0.090 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Instrument :
BNA_N
ClientSampleId :
PST-006-SW125-073019

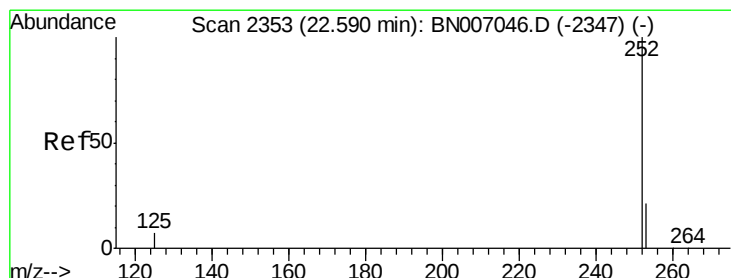
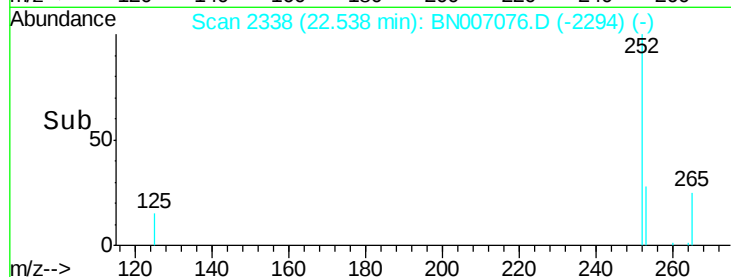
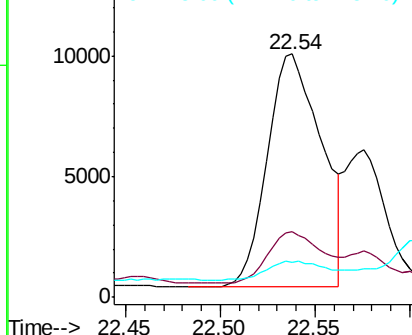
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.2	27.2
125	14.6	7.4	11.0

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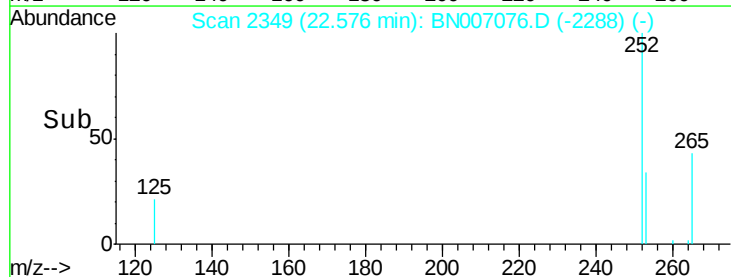
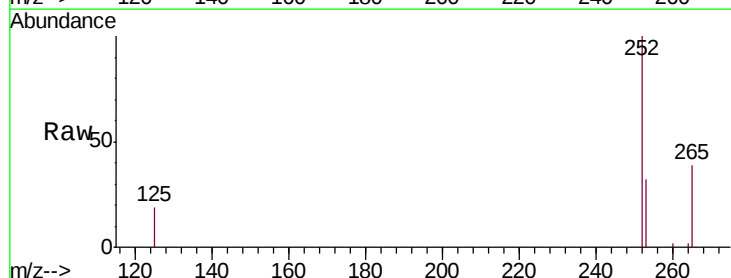
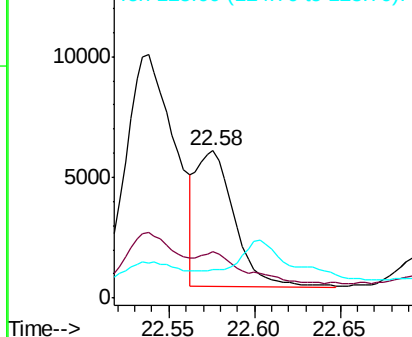
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

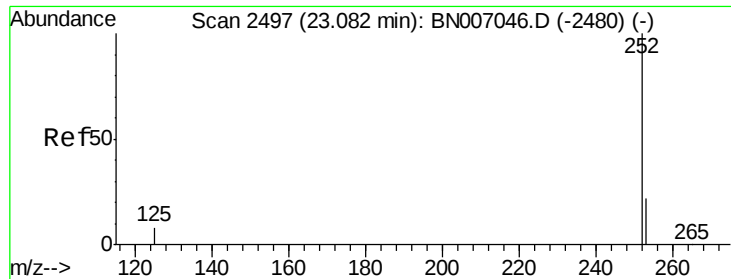


#34
Benzo(k)fluoranthene
Concen: 0.042 ng m
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.7	18.1	27.1
125	19.3	7.4	11.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





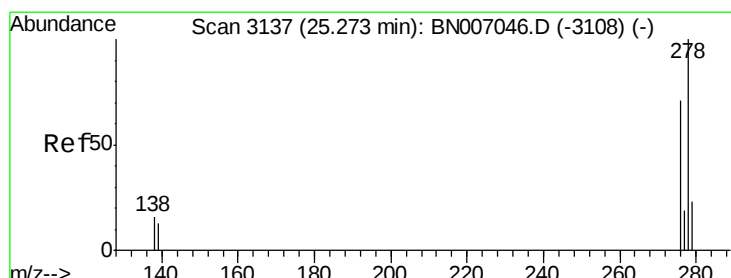
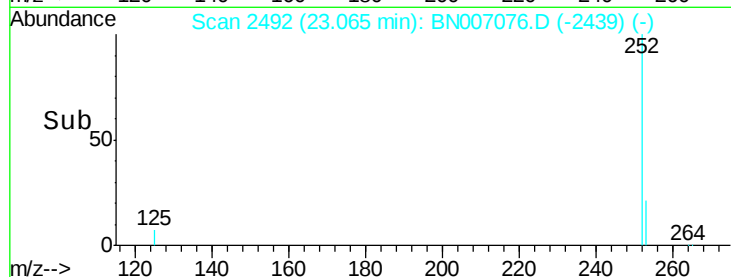
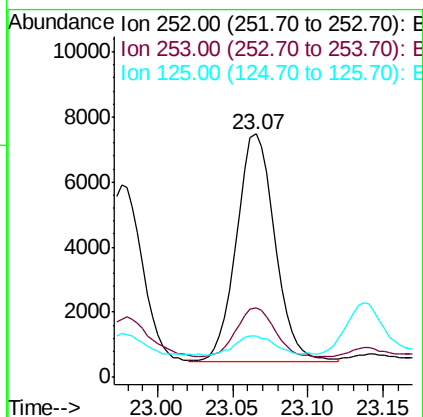
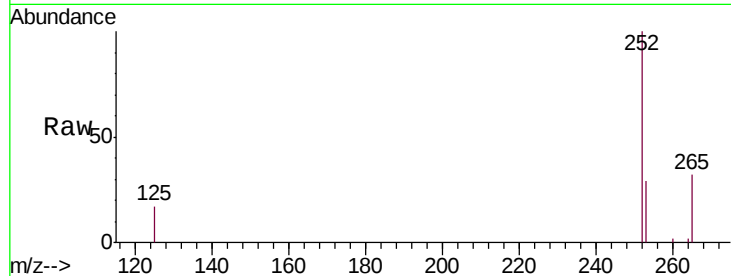
#35
Benzo(a)pyrene
Concen: 0.063 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Instrument :
BNA_N
ClientSampleId :
PST-006-SW125-073019

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	18.5	27.7#
125	16.8	8.2	12.4#

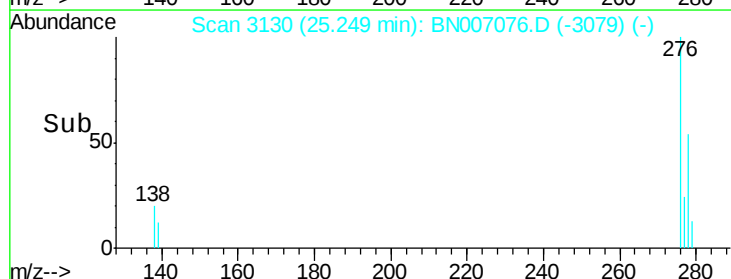
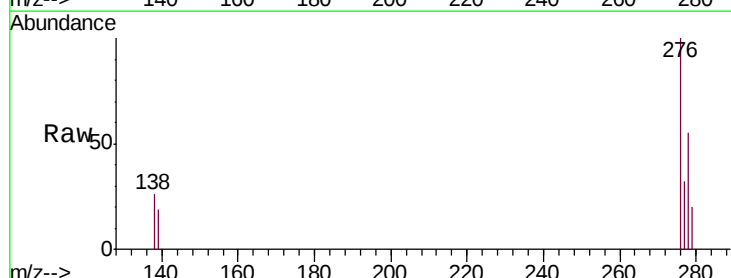
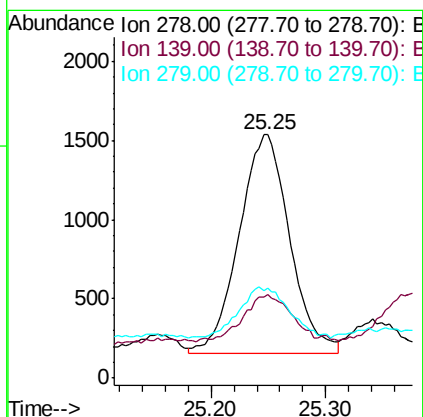
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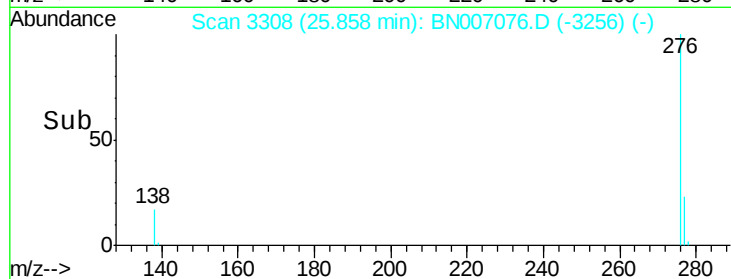
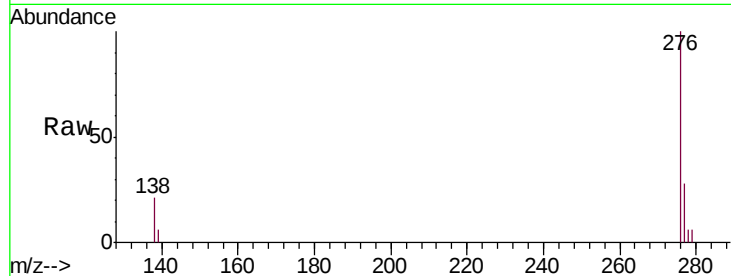
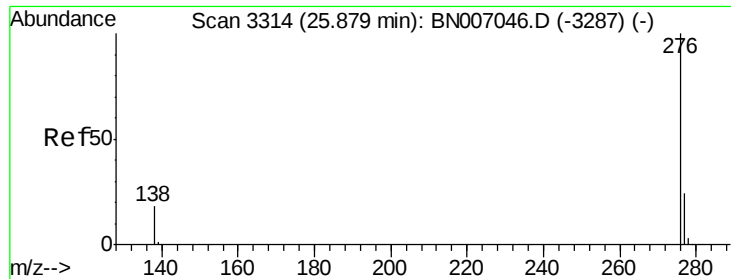
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#36
Dibenzo(a,h)anthracene
Concen: 0.022 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BN007076.D
Acq: 11 Aug 2019 08:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.3	11.3	16.9#
279	37.2	19.3	28.9#





#37

Benzo(g,h,i)perylene

Concen: 0.062 ng

RT: 25.86 min Scan# 3308

Delta R.T. -0.02 min

Lab File: BN007076.D

Acq: 11 Aug 2019 08:36

Instrument :

BNA_N

ClientSampleId :

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Tgt Ion:	276	Resp:	12288
Ion Ratio	Lower	Upper	
276	100		
277	27.9	19.8	29.8
138	21.3	14.6	22.0

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