

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
 Data File : BN007082.D
 Acq On : 11 Aug 2019 12:13
 Operator : HP/JU
 Sample : K4143-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-B259-073019

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:57:19 AM

Quant Time: Aug 12 07:19:57 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	8994	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	34673	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	19666	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	49045	0.40	ng	0.00
26) Chrysene-d12	21.05	240	49583	0.40	ng	-0.01
32) Perylene-d12	23.15	264	53288	0.40	ng	-0.02
System Monitoring Compounds						
3) 2-Fluorophenol	5.06	112	6665	0.31	ng	0.00
4) Phenol-d6	6.61	99	9184	0.34	ng	0.00
7) Nitrobenzene-d5	8.56	82	7061	0.25	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	17108	0.26	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1331	0.13	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	5367	0.19	ng	0.00
24) Fluoranthene-d10	18.87	212	45323	0.26	ng	0.00
28) Terphenyl-d14	19.49	244	34310	0.25	ng	-0.01
Target Compounds						
22) Phenanthrene	16.87	178	5183	0.035	ng	Qvalue 97
25) Fluoranthene	18.90	202	15604	0.083	ng	99
27) Pyrene	19.26	202	14384	0.083	ng	# 96
29) Benzo(a)anthracene	21.02	228	9049	0.050	ng	# 91
30) Chrysene	21.08	228	9716m	0.055	ng	
31) Indeno(1,2,3-cd)pyrene	25.23	276	6277	0.032	ng	98
33) Benzo(b)fluoranthene	22.54	252	13056	0.071	ng	# 86
34) Benzo(k)fluoranthene	22.57	252	5165m	0.029	ng	
35) Benzo(a)pyrene	23.07	252	7920	0.048	ng	# 81
37) Benzo(g,h,i)perylene	25.85	276	6540	0.038	ng	# 88

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

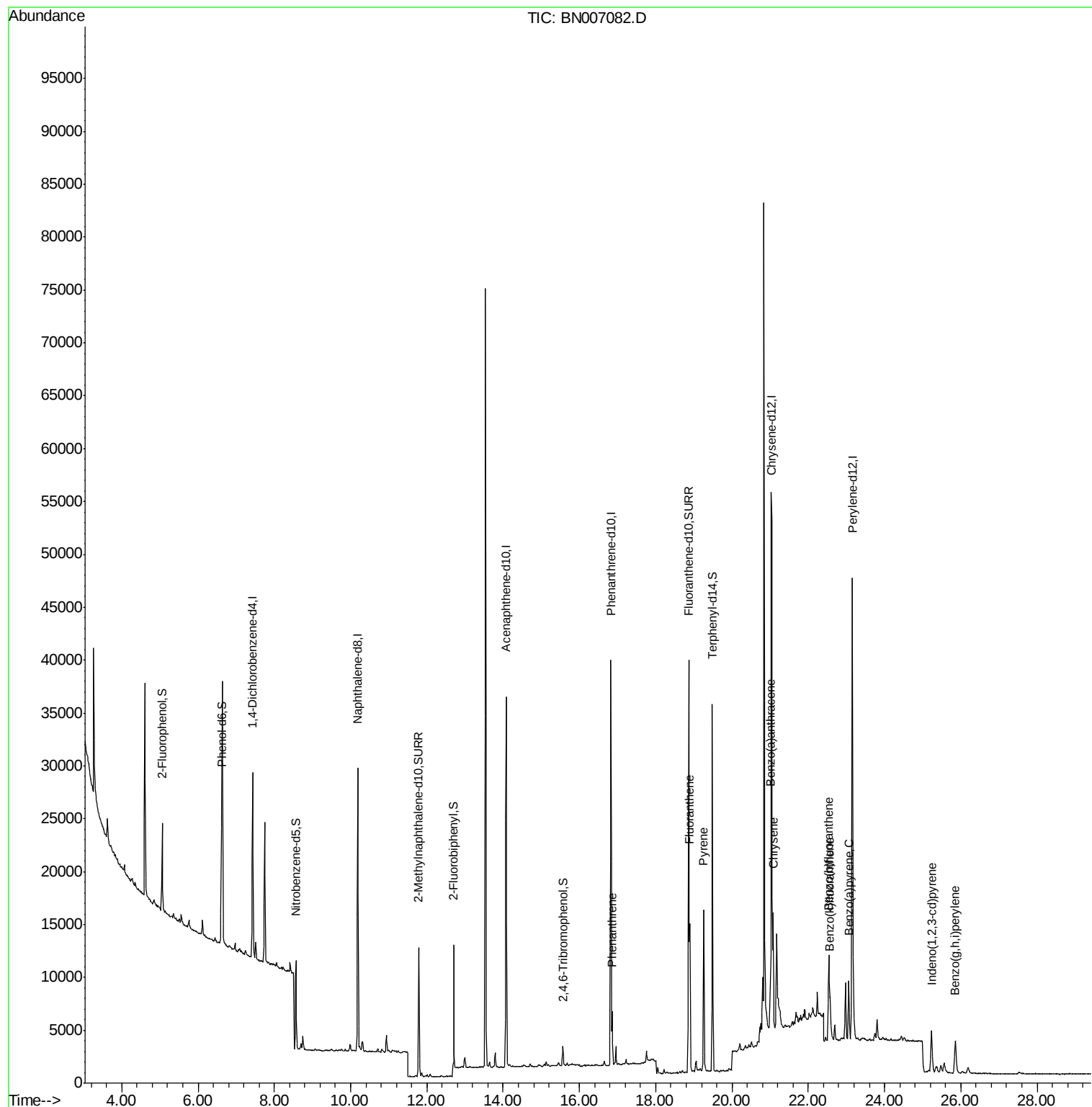
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
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#1

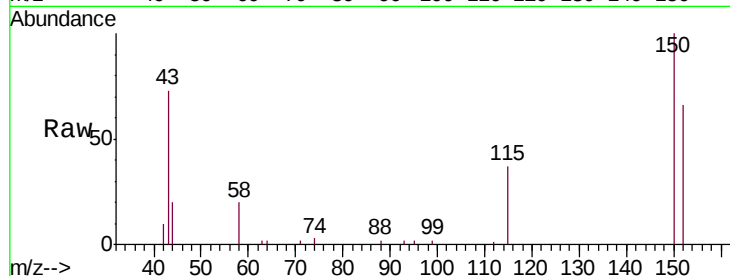
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007082.D
Acq: 11 Aug 2019 12:13

Instrument :
BNA_N
ClientSampleId :
PST-006-B259-073019

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.9	121.7	182.5
115	56.6	46.2	69.4

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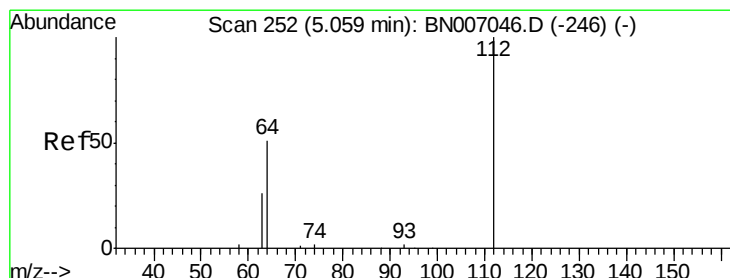
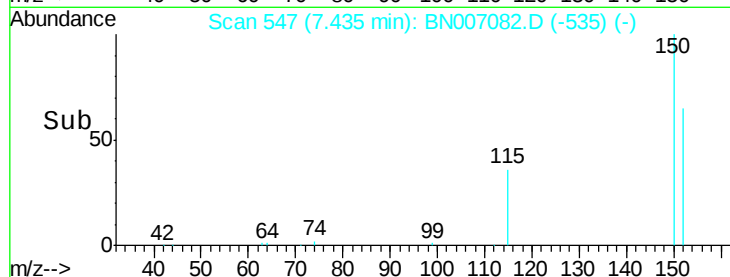
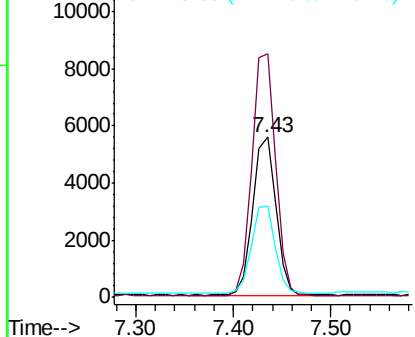


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

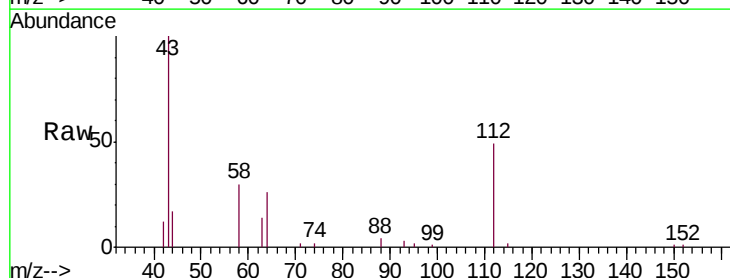
Ion 115.00 (114.70 to 115.70): E



#3

2-Fluorophenol
Concen: 0.308 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007082.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	42.6	63.8
63	27.8	22.2	33.2

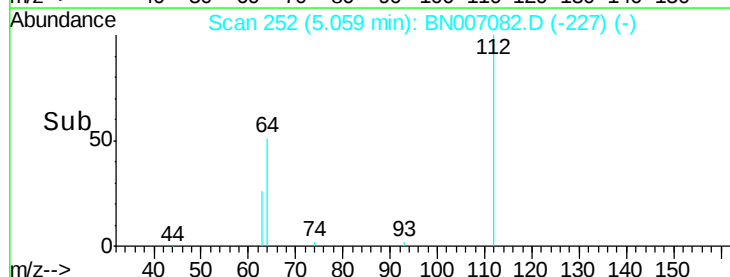
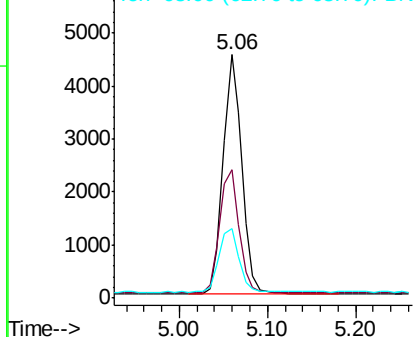


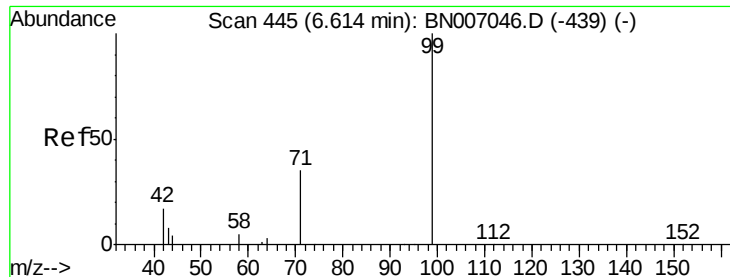
Abundance

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: 0.343 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Instrument :

BNA_N

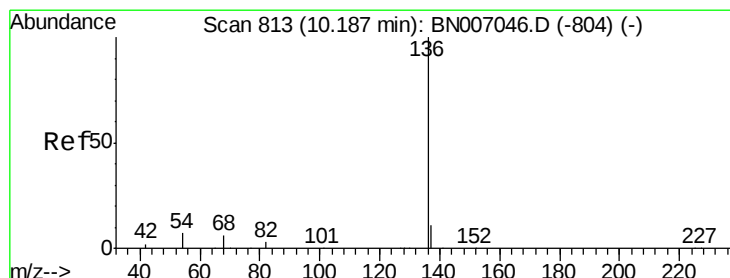
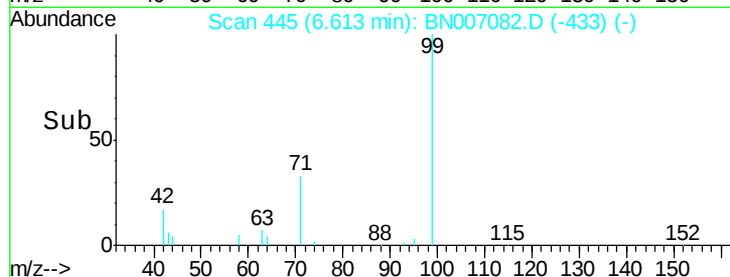
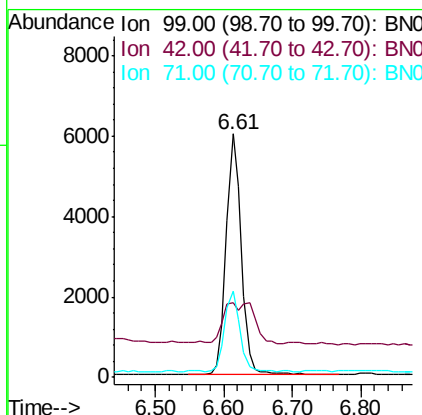
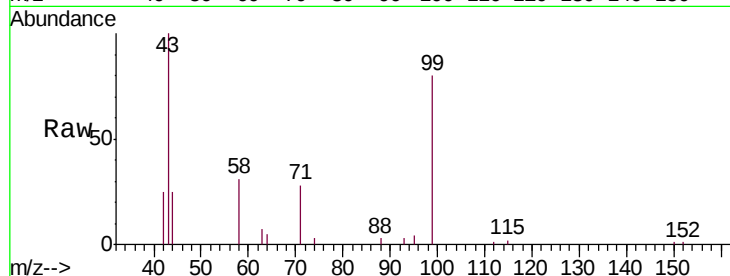
ClientSampleId :

PST-006-B259-073019

Tgt Ion:	99	Resp:	9184
Ion Ratio	Lower	Upper	
99	100		
42	34.1	15.8	23.6#
71	33.6	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

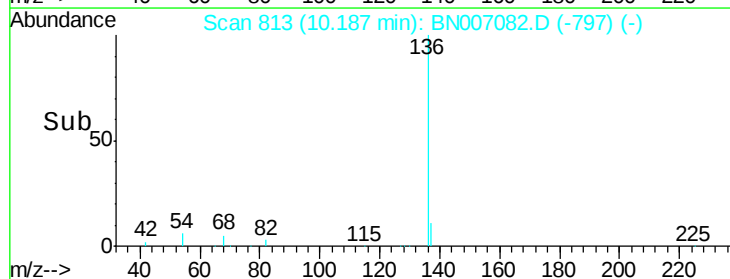
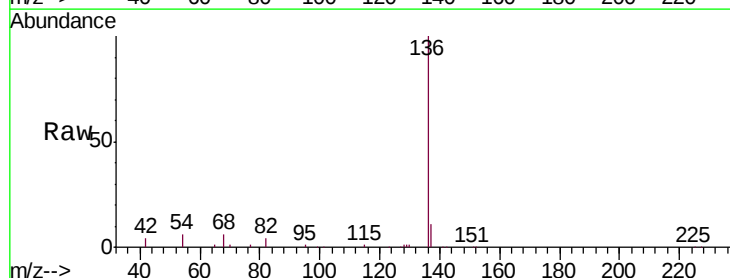
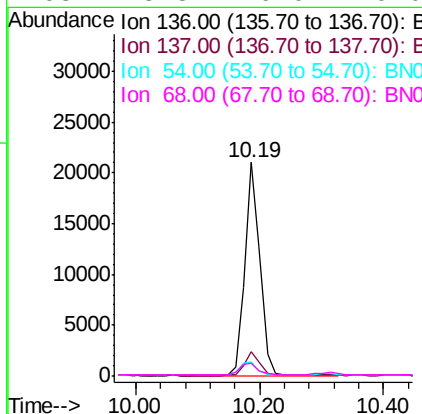
RT: 10.19 min Scan# 813

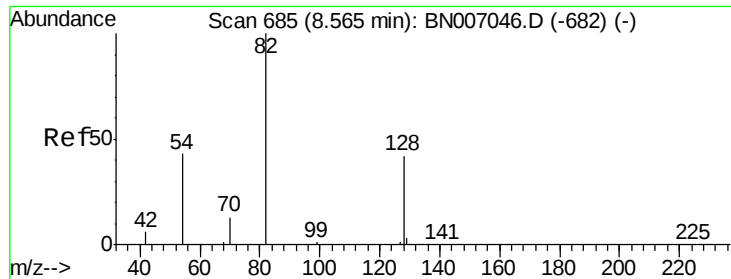
Delta R.T. -0.00 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Tgt Ion:	136	Resp:	34673
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.4	14.0
54	6.5	6.6	9.8#
68	5.8	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.253 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Instrument :

BNA_N

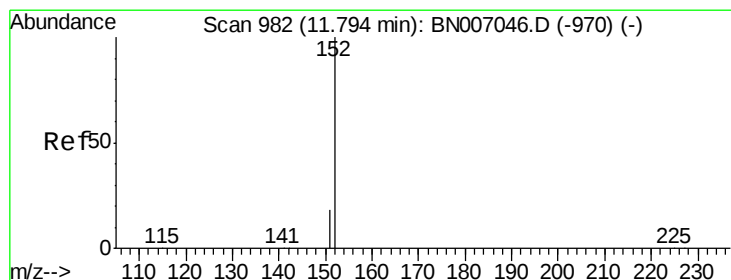
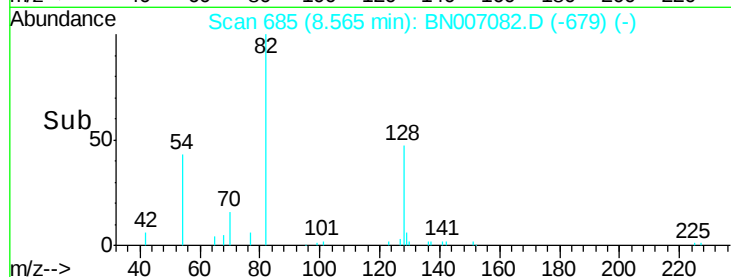
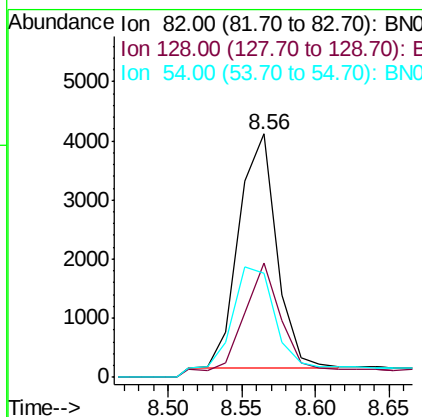
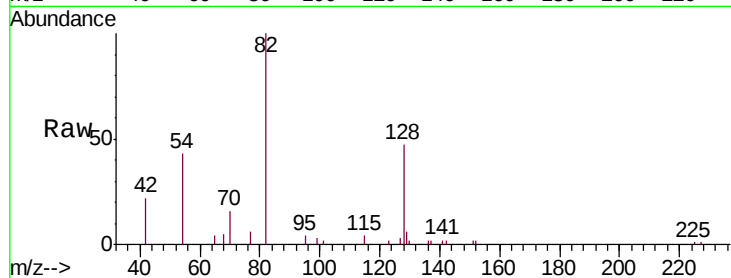
ClientSampleId :

PST-006-B259-073019

Tgt Ion:	82	Resp:	7061
Ion Ratio	Lower	Upper	
82	100		
128	46.9	34.6	51.8
54	42.9	36.2	54.4

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#10

2-Methylnaphthalene-d10

Concen: 0.265 ng

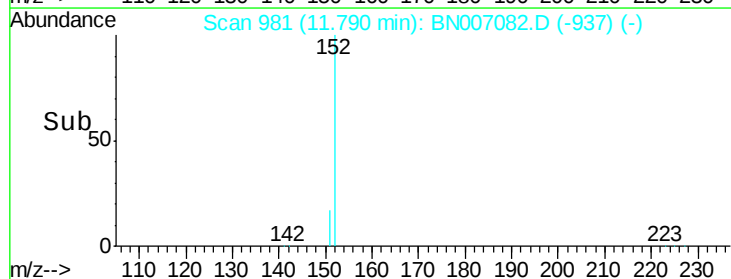
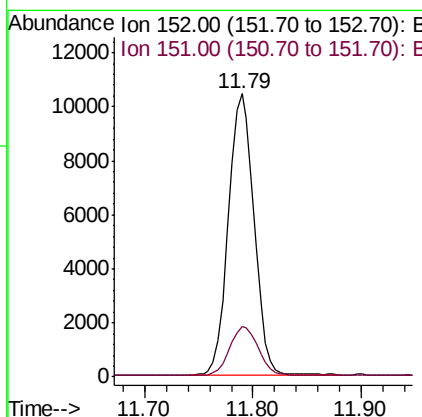
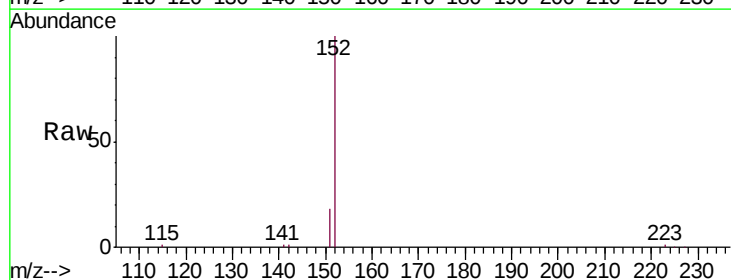
RT: 11.79 min Scan# 981

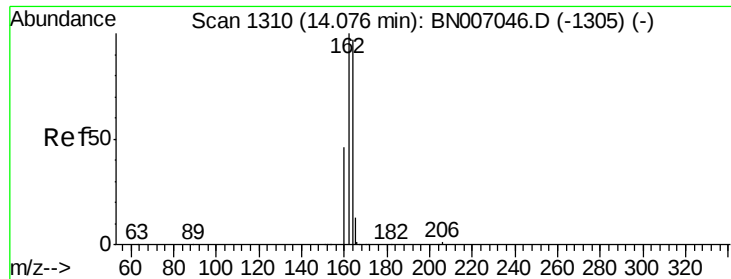
Delta R.T. -0.00 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Tgt Ion:	152	Resp:	17108
Ion Ratio	Lower	Upper	
152	100		
151	19.2	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: BN007082.D

Acq: 11 Aug 2019 12:13

Instrument :

BNA_N

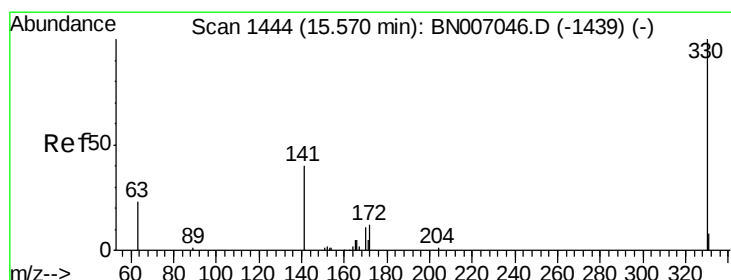
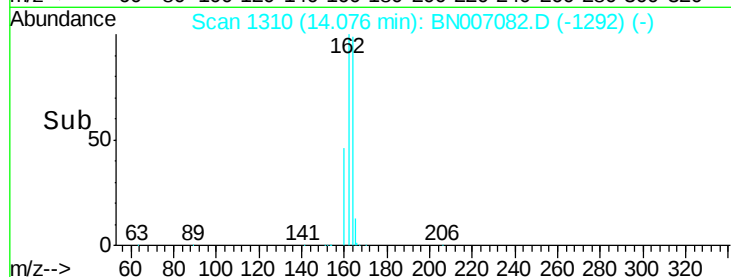
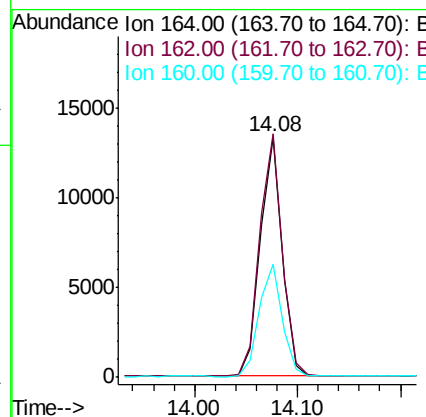
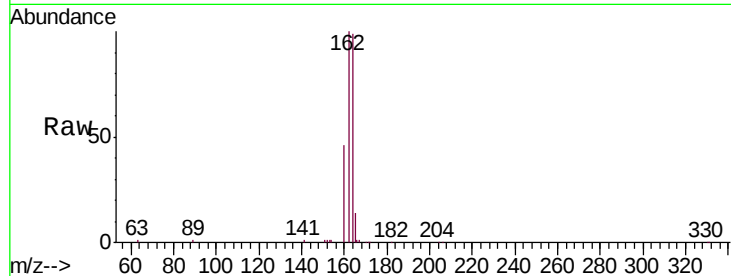
ClientSampleId :

PST-006-B259-073019

Tgt Ion:	164	Resp:	19666
Ion Ratio	Lower	Upper	
164	100		
162	101.4	82.2	123.4
160	46.9	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.126 ng

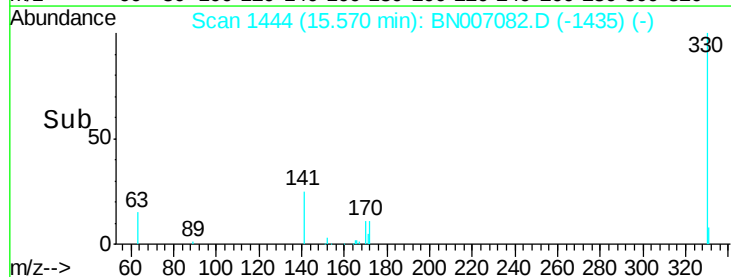
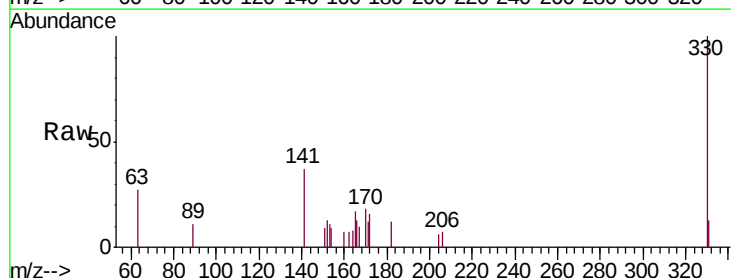
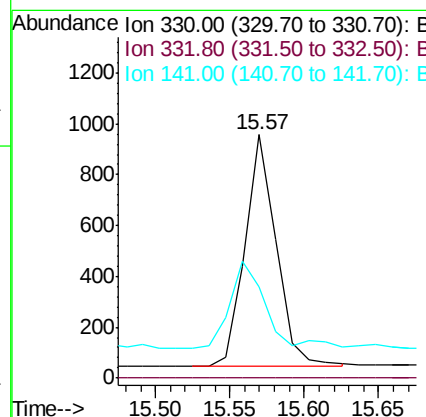
RT: 15.57 min Scan# 1444

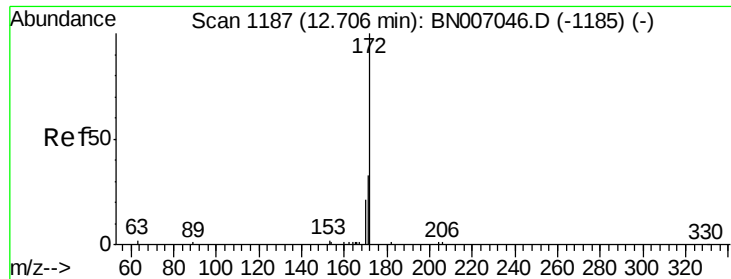
Delta R.T. -0.00 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Tgt Ion:	330	Resp:	1331
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	43.5	33.6	50.4





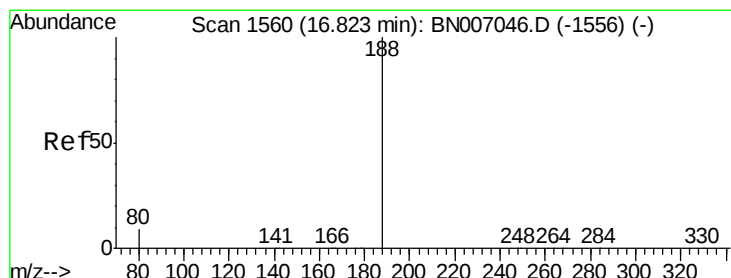
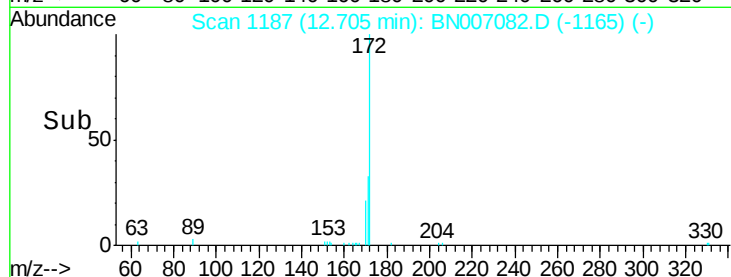
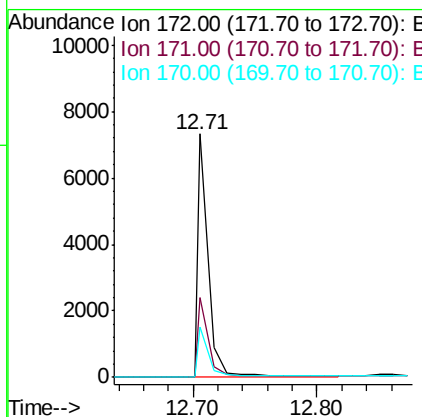
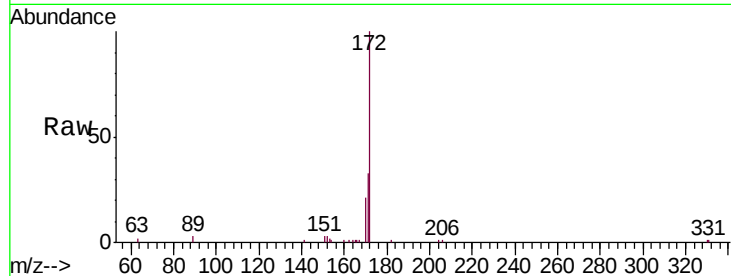
#14
 2-Fluorobiphenyl
 Concen: 0.188 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007082.D
 Acq: 11 Aug 2019 12:13

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-B259-073019

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.7	26.3	39.5
170	20.7	17.0	25.4

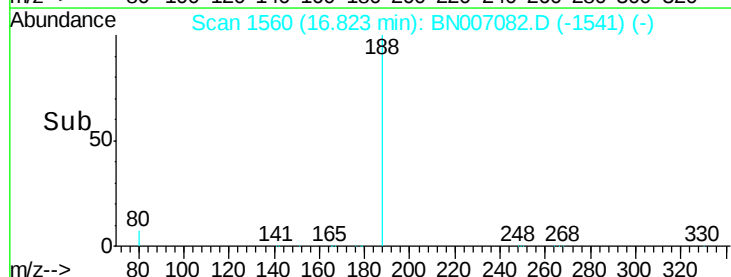
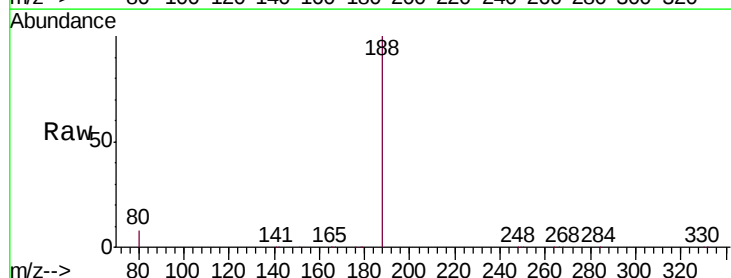
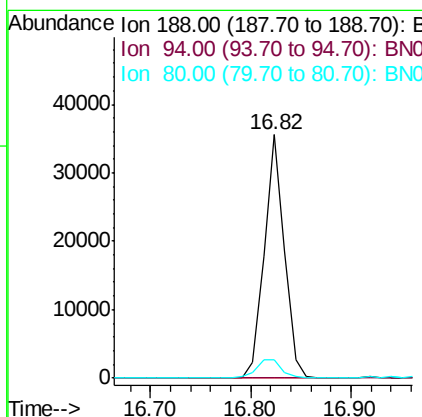
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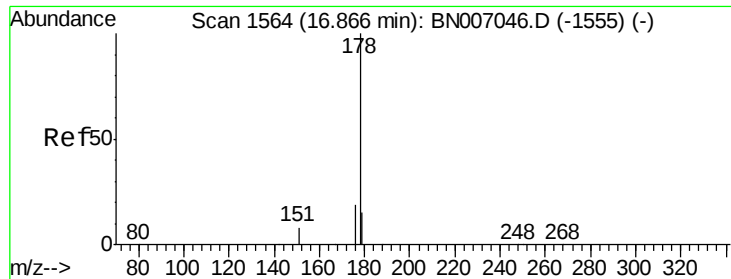
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#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007082.D
 Acq: 11 Aug 2019 12:13

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





#22

Phenanthrene

Concen: 0.035 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Instrument :

BNA_N

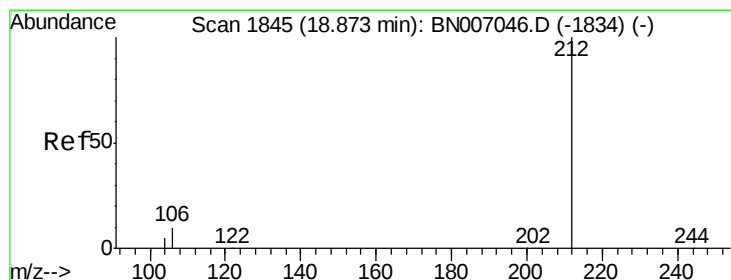
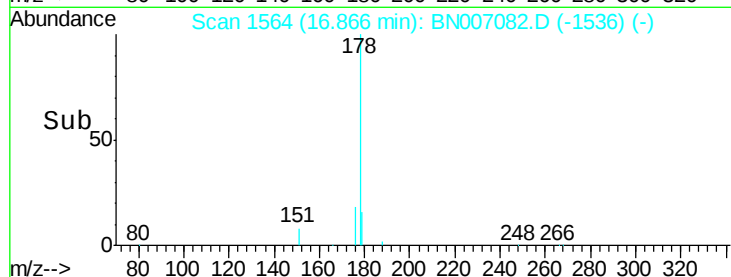
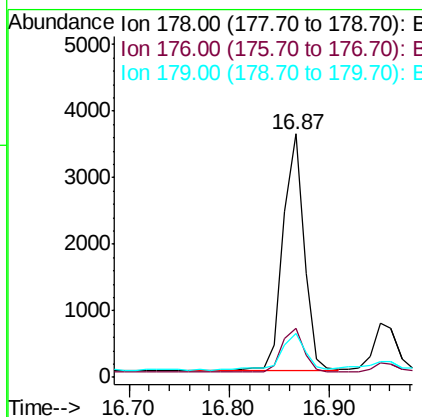
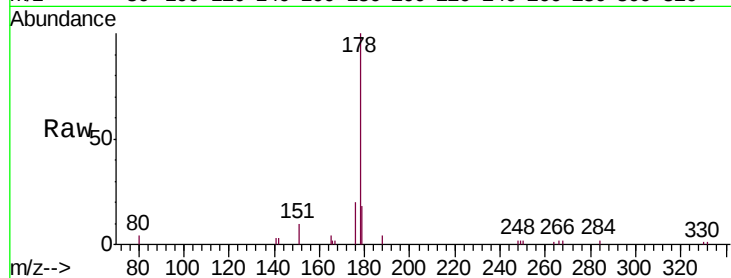
ClientSampleId :

PST-006-B259-073019

Tgt Ion:	178	Resp:	5183
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.2	22.8
179	17.8	12.3	18.5

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#24

Fluoranthene-d10

Concen: 0.261 ng

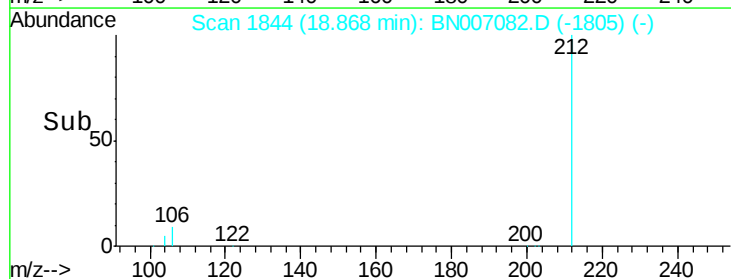
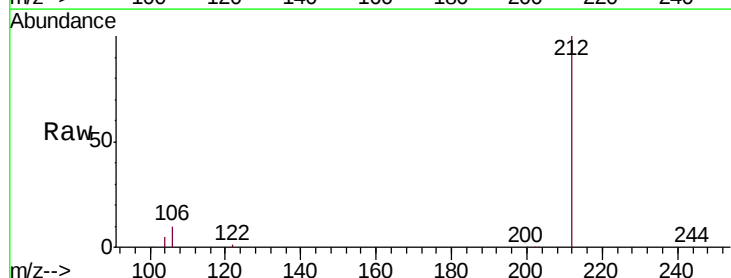
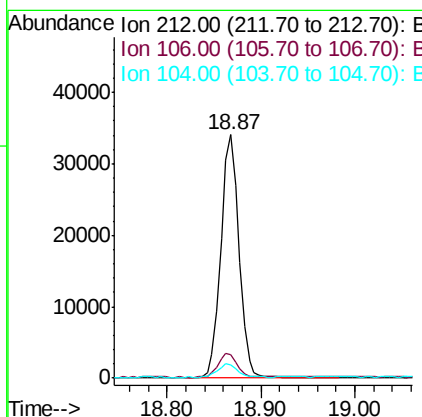
RT: 18.87 min Scan# 1844

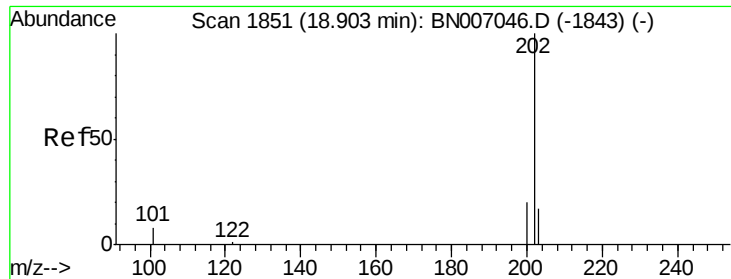
Delta R.T. -0.01 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Tgt Ion:	212	Resp:	45323
Ion Ratio	Lower	Upper	
212	100		
106	10.1	8.2	12.2
104	5.6	4.5	6.7





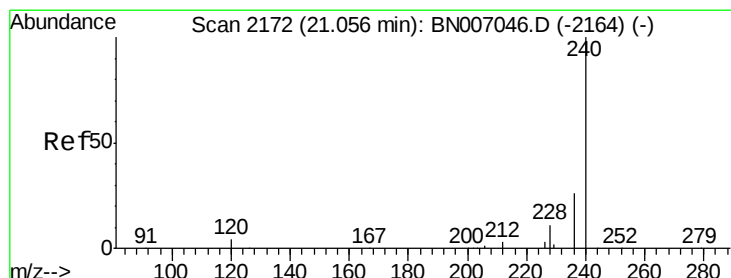
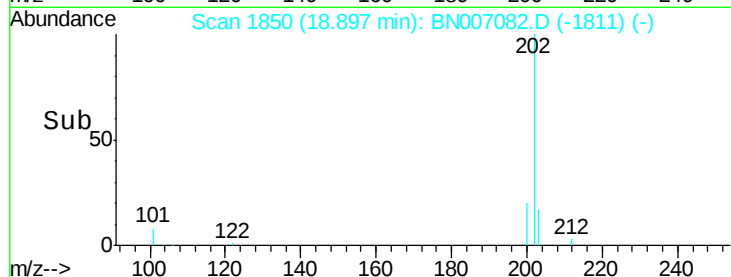
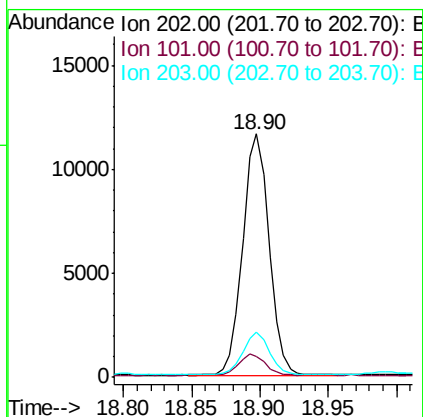
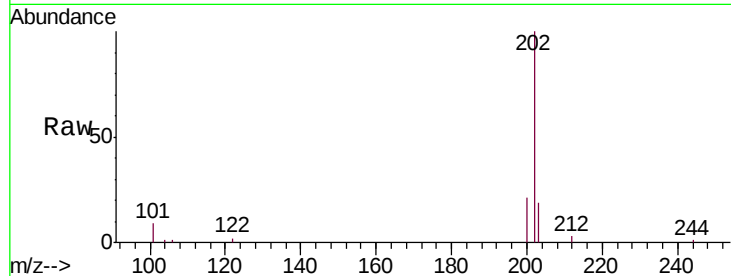
#25
Fluoranthene
 Concen: 0.083 ng
 RT: 18.90 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BN007082.D
 Acq: 11 Aug 2019 12:13

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-B259-073019

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.0	10.4
203	17.2	13.8	20.8

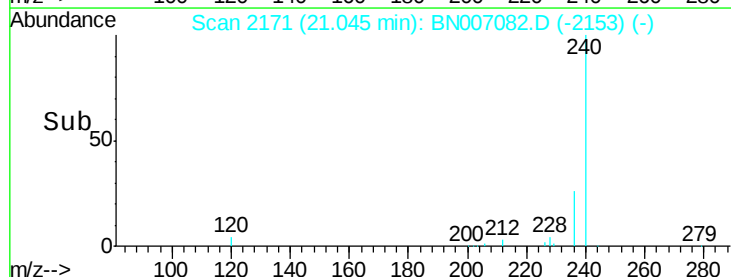
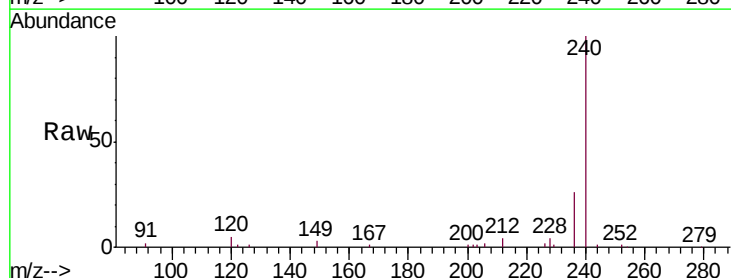
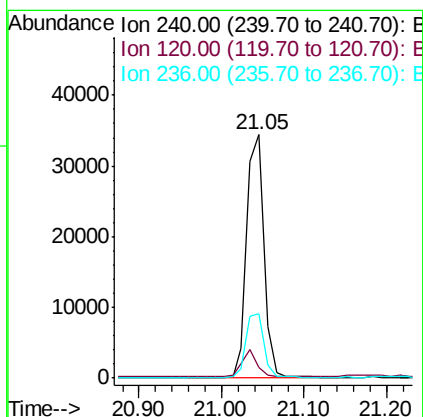
Manual Integrations
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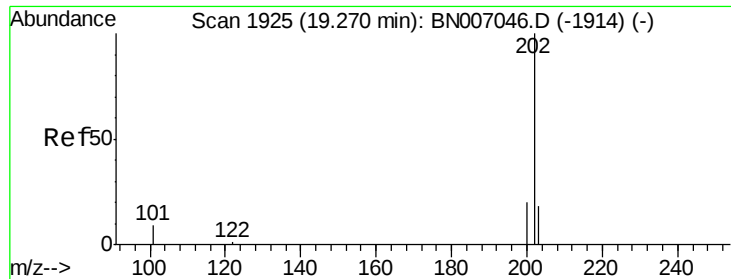
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 8/14/2019 2:57:19 AM



#26
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.05 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: BN007082.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.5	4.0	6.0
236	26.2	21.3	31.9





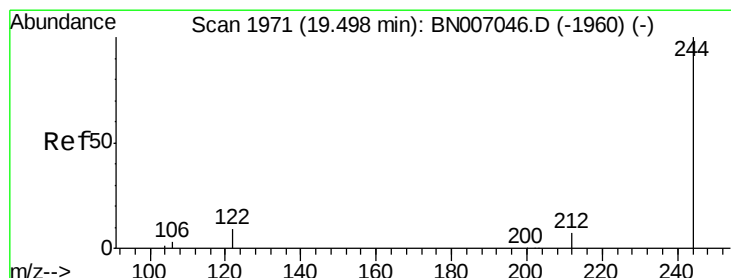
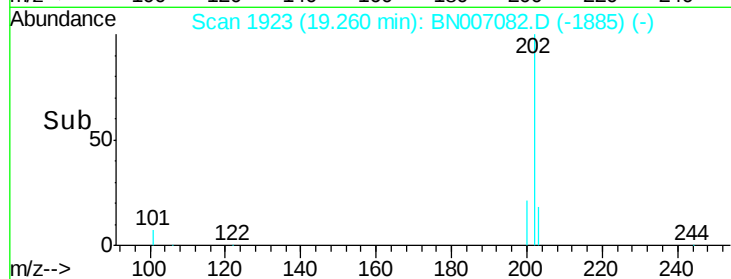
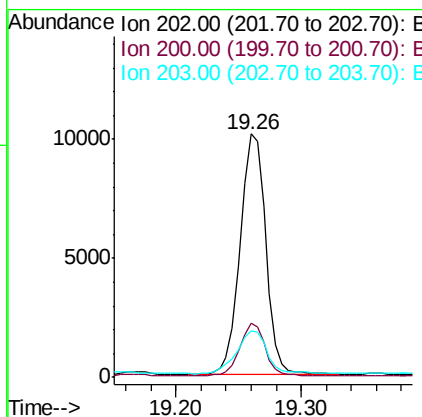
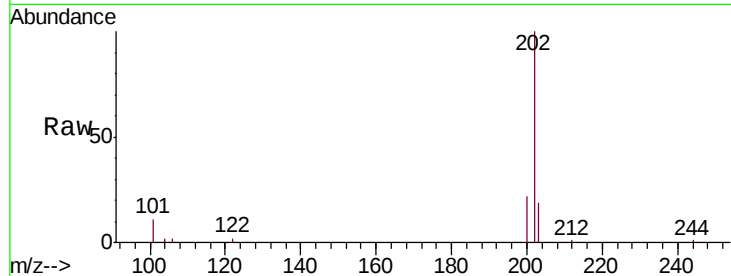
#27
 Pyrene
 Concen: 0.083 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007082.D
 Acq: 11 Aug 2019 12:13

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-B259-073019

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	14384		
200	21.0	16.6	24.8	
203	21.2	14.0	21.0	

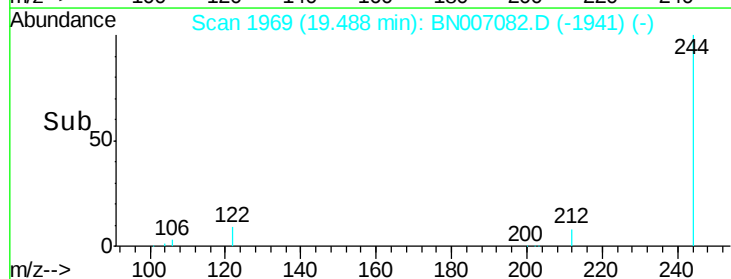
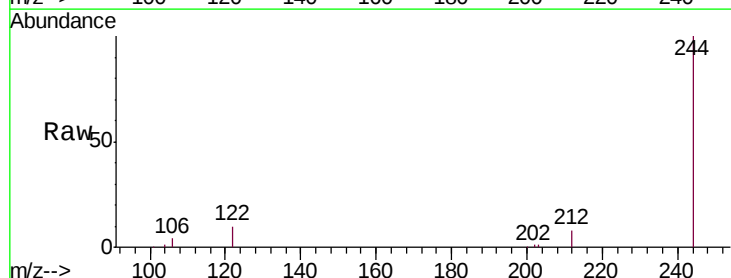
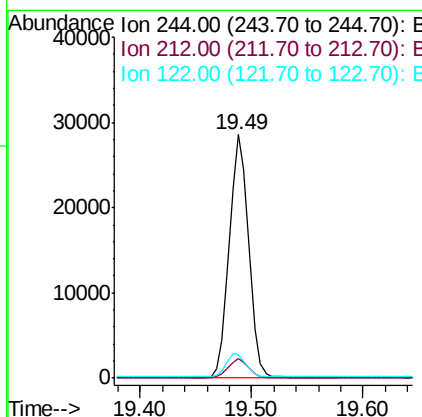
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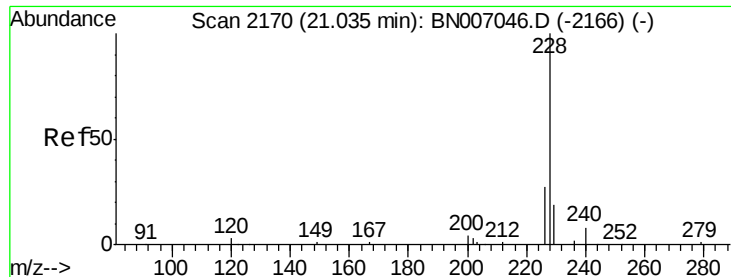
mohammad
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#28
 Terphenyl-d14
 Concen: 0.254 ng
 RT: 19.49 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BN007082.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	34310		
212	8.0	6.2	9.2	
122	9.8	7.4	11.2	





#29

Benzo(a)anthracene

Concen: 0.050 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Instrument :

BNA_N

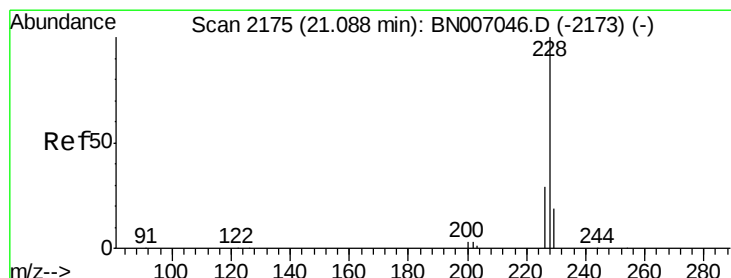
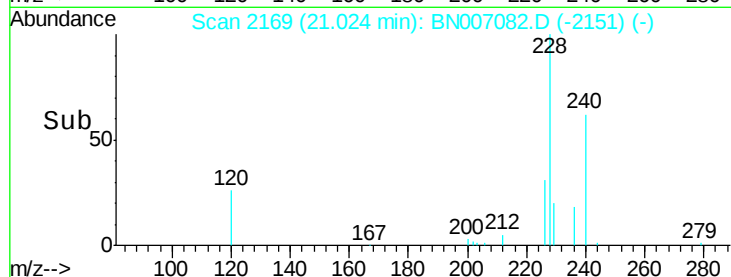
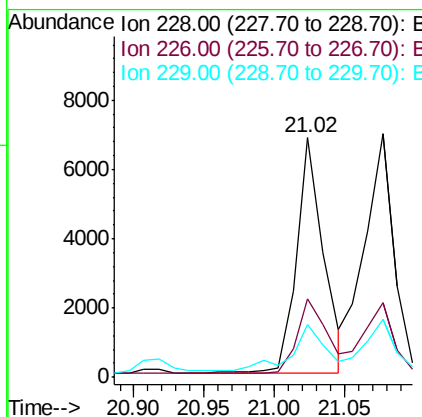
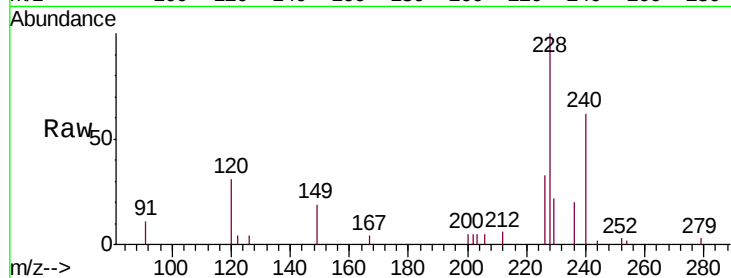
ClientSampleId :

PST-006-B259-073019

Tgt Ion:	228	Resp:	9049
Ion Ratio	Lower	Upper	
228	100		
226	32.8	21.8	32.6#
229	22.4	15.6	23.4

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#30

Chrysene

Concen: 0.055 ng m

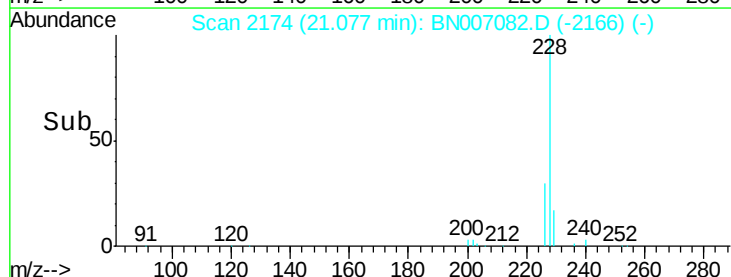
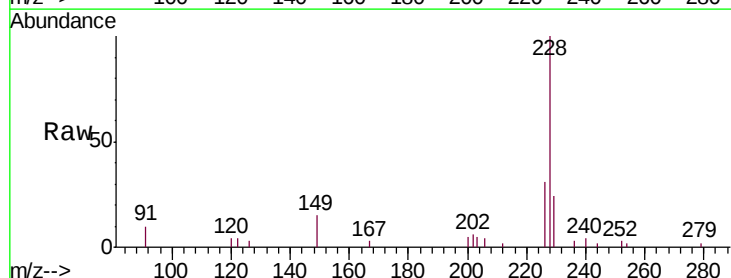
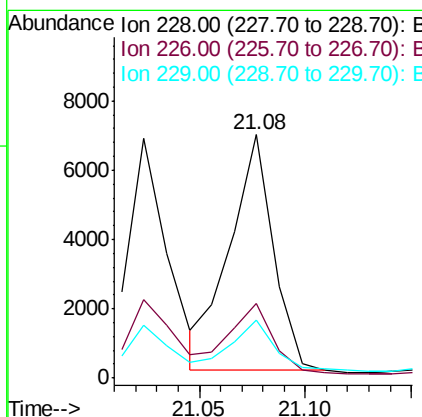
RT: 21.08 min Scan# 2174

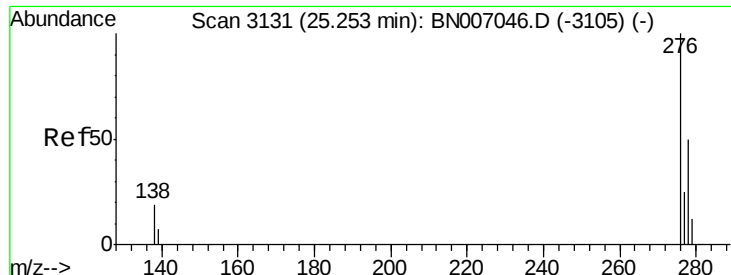
Delta R.T. -0.01 min

Lab File: BN007082.D

Acq: 11 Aug 2019 12:13

Tgt Ion:	228	Resp:	9716
Ion Ratio	Lower	Upper	
228	100		
226	30.9	23.8	35.6
229	23.6	15.7	23.5#





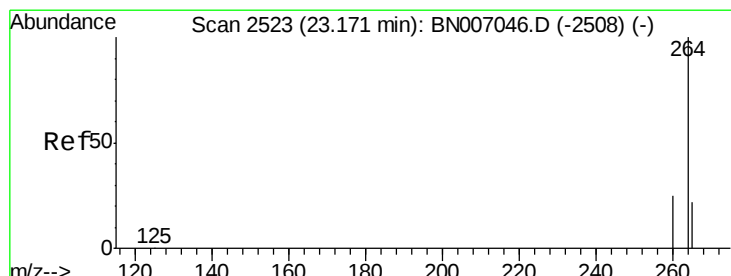
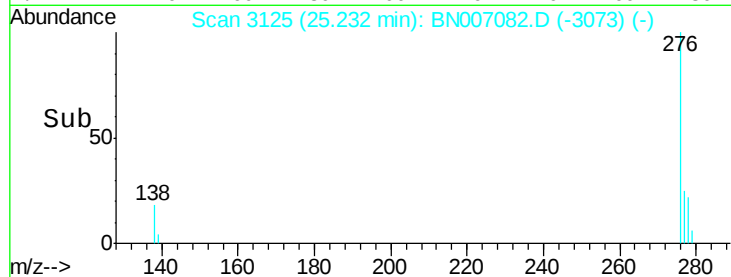
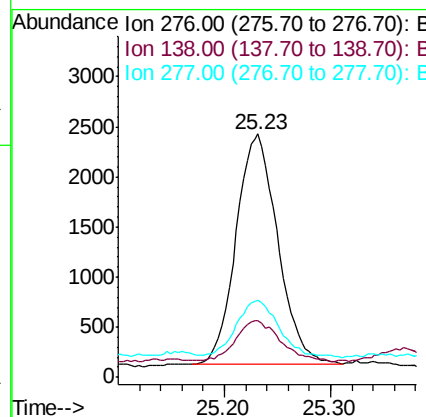
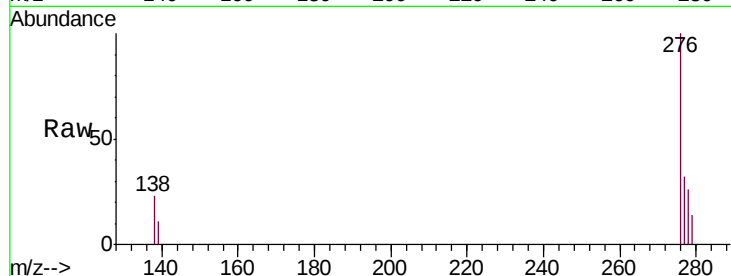
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.032 ng
 RT: 25.23 min Scan# 3125
 Delta R.T. -0.02 min
 Lab File: BN007082.D
 Acq: 11 Aug 2019 12:13

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-B259-073019

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.4	16.0	24.0
277	25.6	19.9	29.9

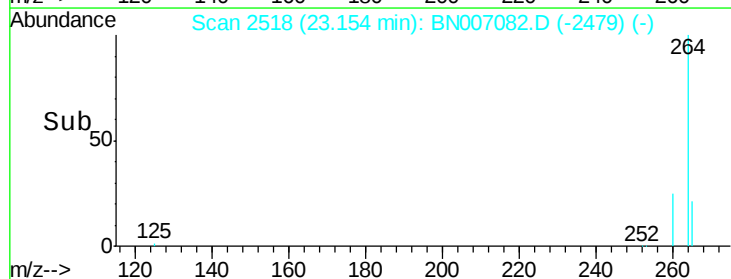
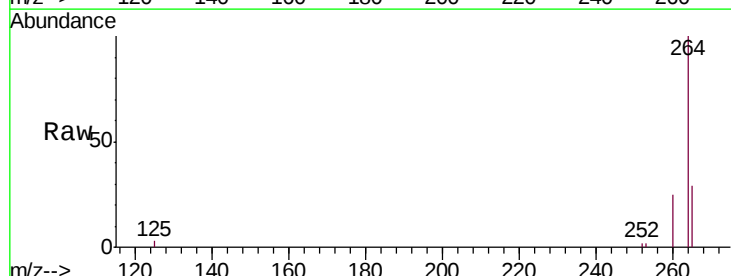
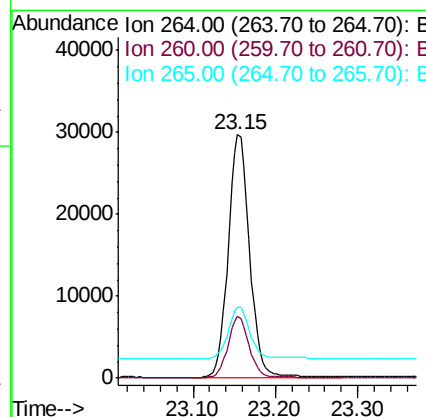
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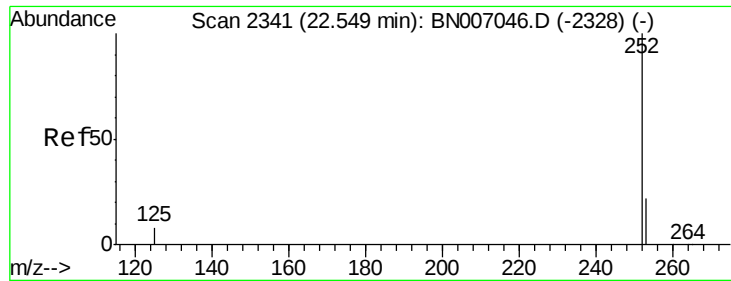
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#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BN007082.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.8	29.8
265	29.1	26.2	39.4





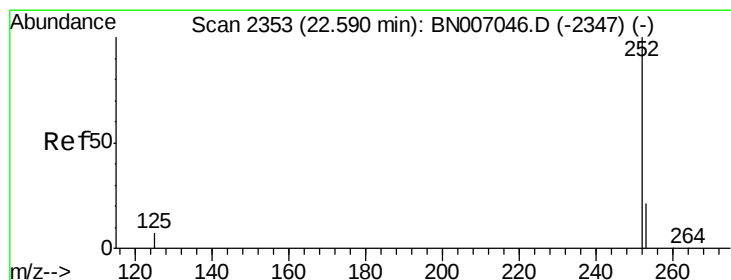
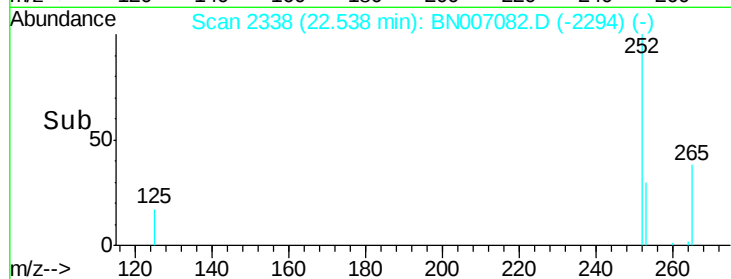
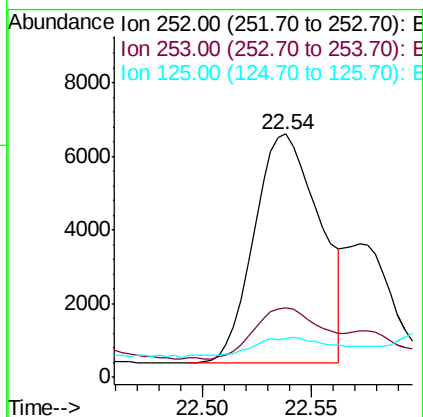
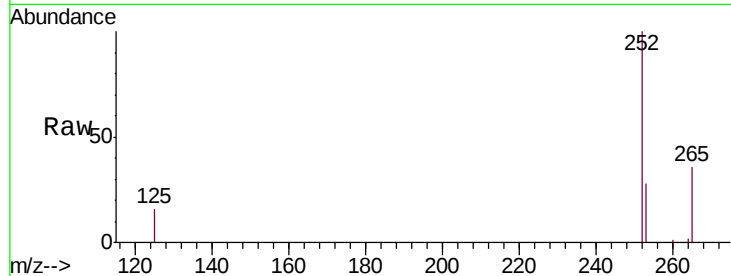
#33
Benzo(b)fluoranthene
Concen: 0.071 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007082.D
Acq: 11 Aug 2019 12:13

Instrument :
BNA_N
ClientSampleId :
PST-006-B259-073019

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	18.2	27.2#
125	16.2	7.4	11.0#

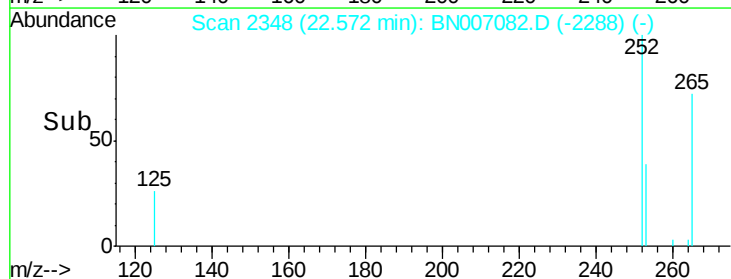
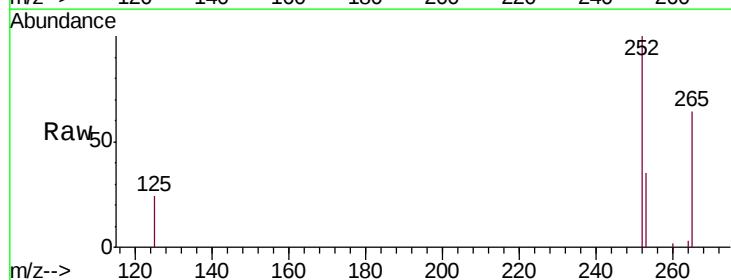
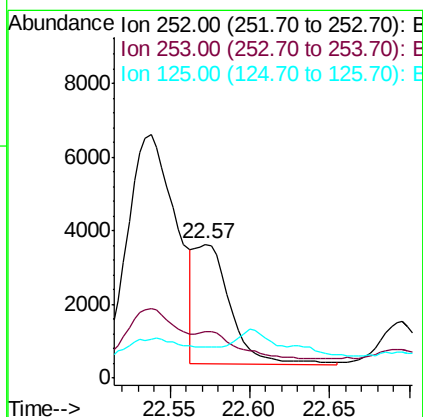
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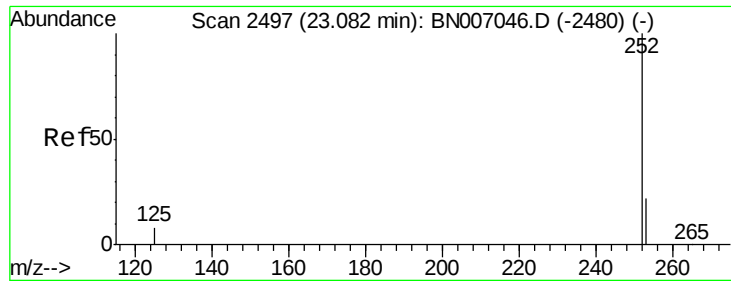
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#34
Benzo(k)fluoranthene
Concen: 0.029 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007082.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.7	18.1	27.1#
125	23.5	7.4	11.0#





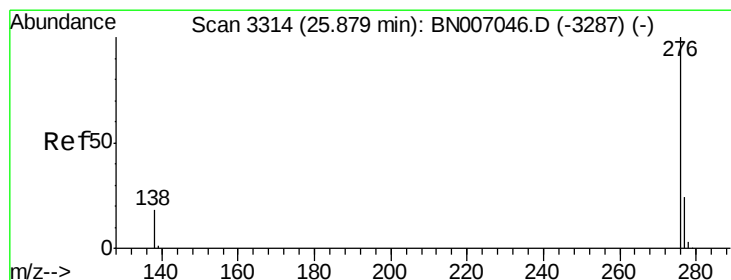
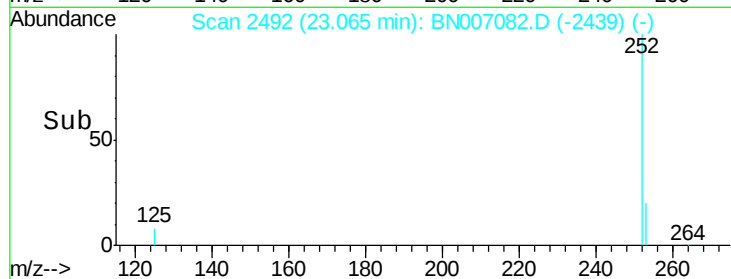
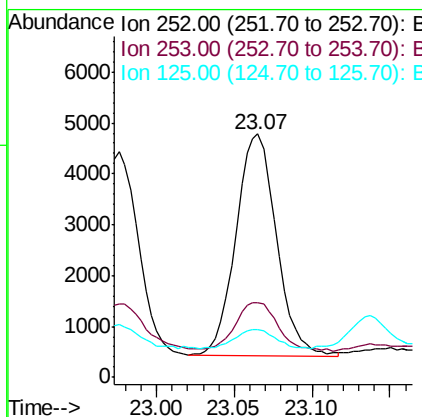
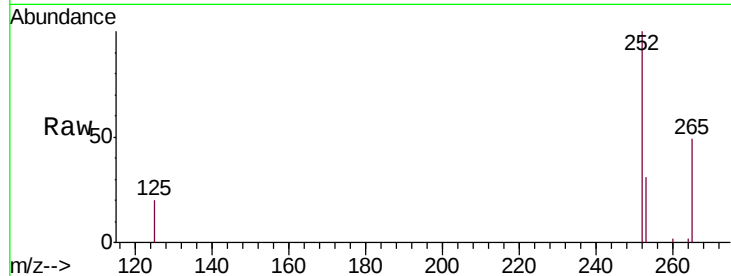
#35
Benzo(a)pyrene
Concen: 0.048 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007082.D
Acq: 11 Aug 2019 12:13

Instrument :
BNA_N
ClientSampleId :
PST-006-B259-073019

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.8	18.5	27.7#
125	19.7	8.2	12.4#

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#37
Benzo(g,h,i)perylene
Concen: 0.038 ng
RT: 25.85 min Scan# 3307
Delta R.T. -0.02 min
Lab File: BN007082.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.1	19.8	29.8#
138	24.2	14.6	22.0#

