

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004946.D
 Acq On : 24 Mar 2019 19:22
 Operator : JU/SJ
 Sample : K2015-17
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-073-B158-031919

Manual Integrations
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 3/26/2019 6:33:52 PM

Quant Time: Mar 25 04:06:31 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Mar 20 16:06:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3372	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	13765	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	7085	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	14948	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	16709	0.40	ng	-0.01
34) Perylene-d12	23.52	264	17444	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3614	0.39	ng	0.00
5) Phenol-d6	6.86	99	4475	0.39	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3619	0.40	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	7620	0.32	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1533	0.31	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	10318	0.35	ng	-0.02
25) Fluoranthene-d10	19.12	212	14598	0.29	ng	-0.02
29) Terphenyl-d14	19.71	244	9917	0.29	ng	-0.02

Target Compounds

						Qvalue
16) Acenaphthylene	14.04	152	1874	0.051	ng	98
23) Phenanthrene	17.12	178	10431	0.216	ng	99
24) Anthracene	17.22	178	1635	0.038	ng	97
26) Fluoranthene	19.15	202	20075	0.324	ng	# 97
28) Pyrene	19.51	202	19380	0.380	ng	96
30) Benzo(a)anthracene	21.26	228	9770	0.178	ng	# 86
31) Chrysene	21.31	228	12220	0.212	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.17	149	13101	0.598	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	9869	0.118	ng	98
35) Benzo(b)fluoranthene	22.85	252	17255	0.273	ng	# 67
36) Benzo(k)fluoranthene	22.89	252	7296m	0.118	ng	
37) Benzo(a)pyrene	23.43	252	11116	0.192	ng	# 67
39) Benzo(g,h,i)perylene	26.49	276	9767	0.143	ng	# 78

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

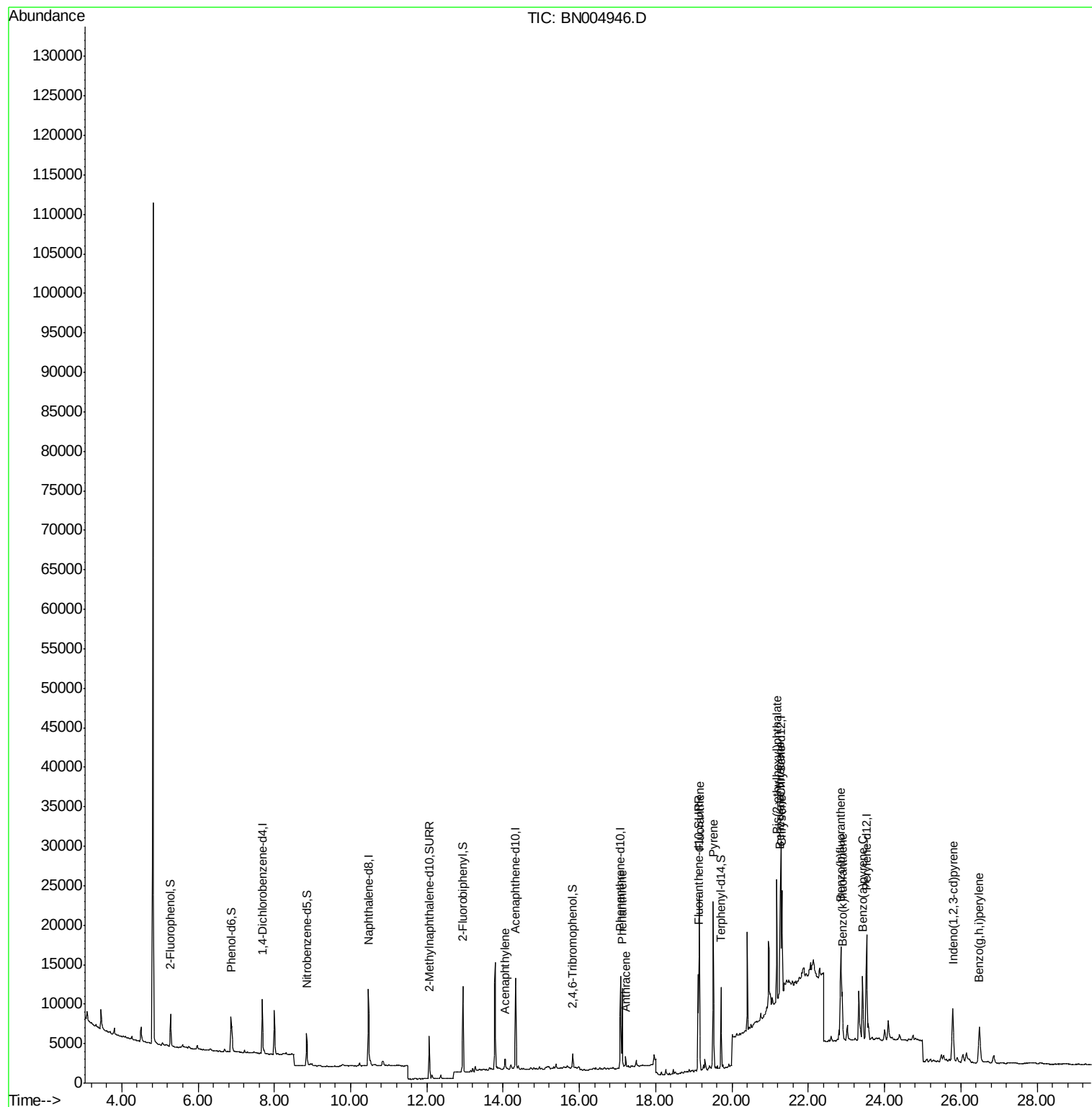
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
Data File : BN004946.D
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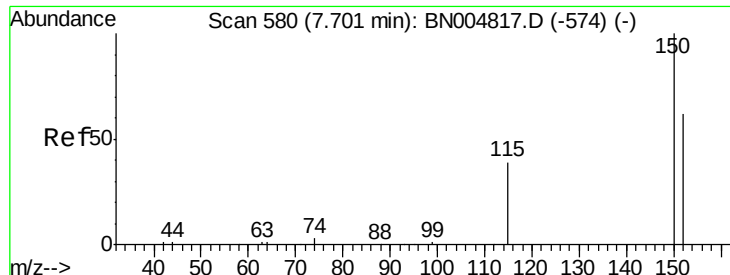
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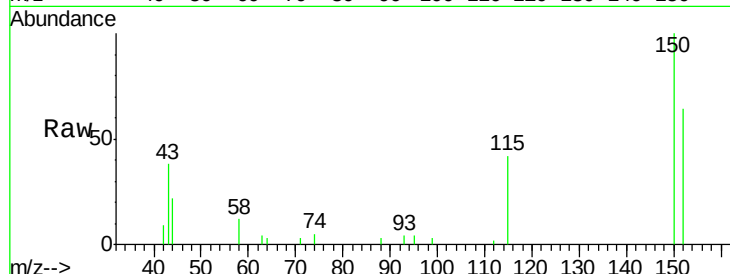




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004946.D
Acq: 24 Mar 2019 19:22

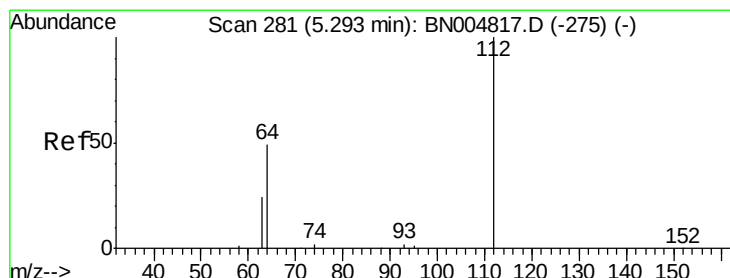
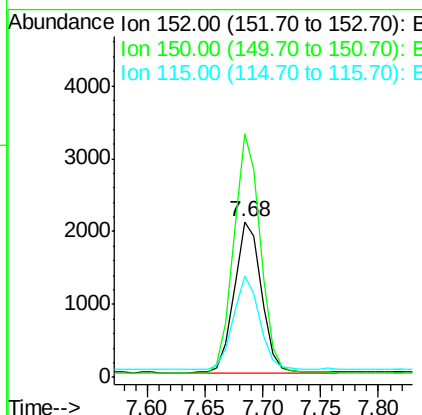
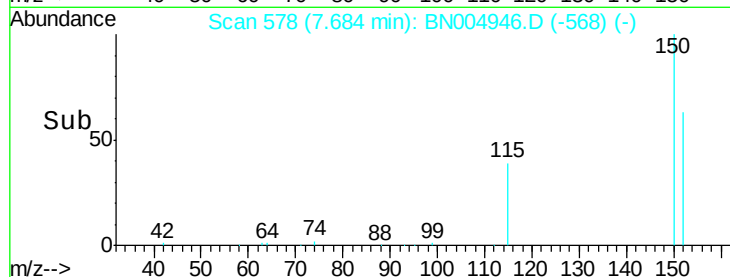
Instrument :
BNA_N
ClientSampleId :
PST-073-B158-031919



Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.2	189.4
115	65.0	52.6	79.0

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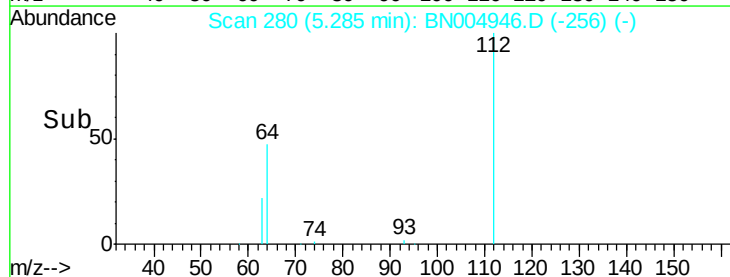
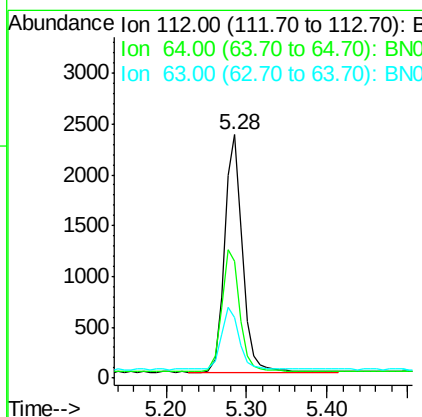
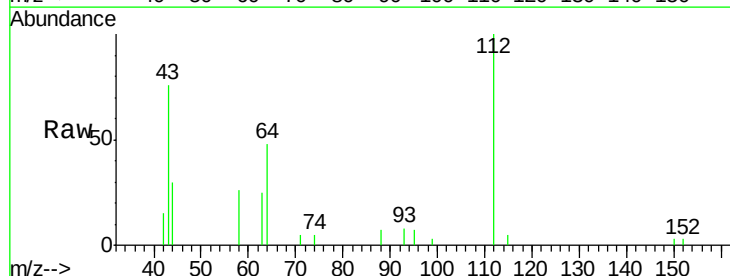
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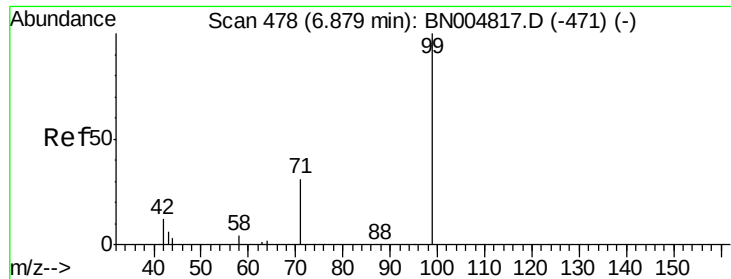


#4

2-Fluorophenol
Concen: 0.394 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004946.D
Acq: 24 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	40.0	60.0
63	25.9	20.2	30.2





#5

Phenol-d6

Concen: 0.392 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

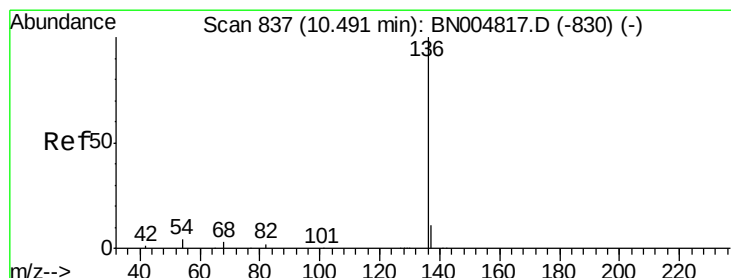
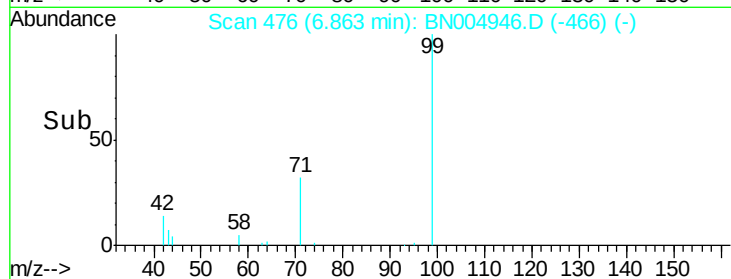
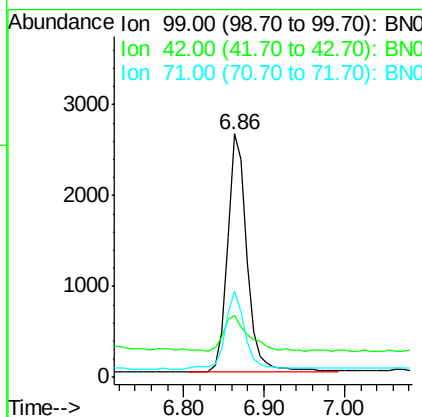
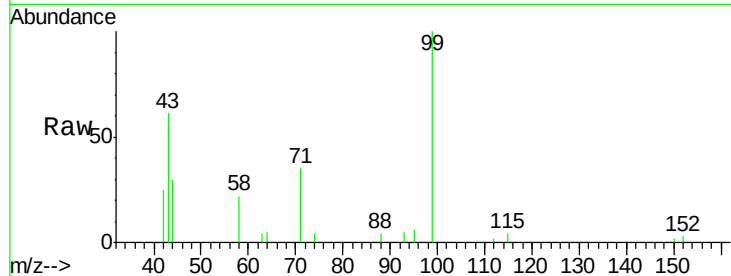
ClientSampleId :

PST-073-B158-031919

Tgt Ion:	99	Resp:	4475
Ion	Ratio	Lower	Upper
99	100		
42	19.2	12.7	19.1#
71	32.0	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

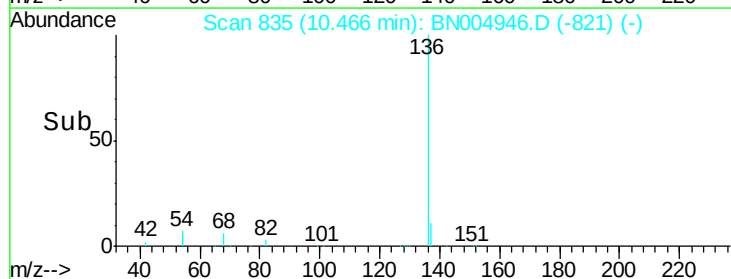
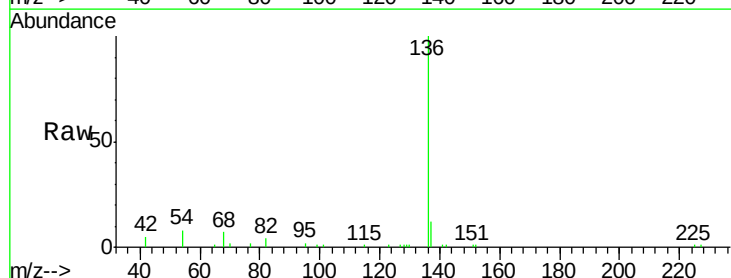
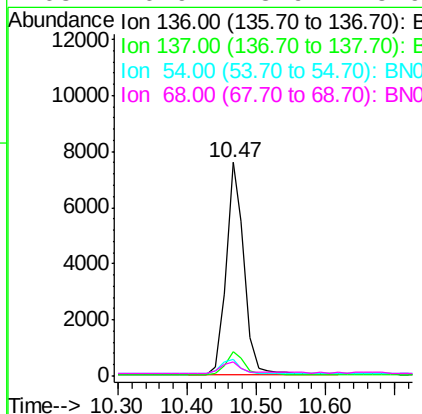
RT: 10.47 min Scan# 835

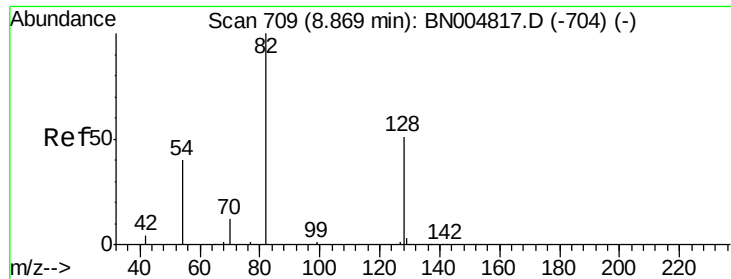
Delta R.T. -0.03 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Tgt Ion:	136	Resp:	13765
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.6	14.4
54	7.8	4.2	6.2#
68	6.9	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.397 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

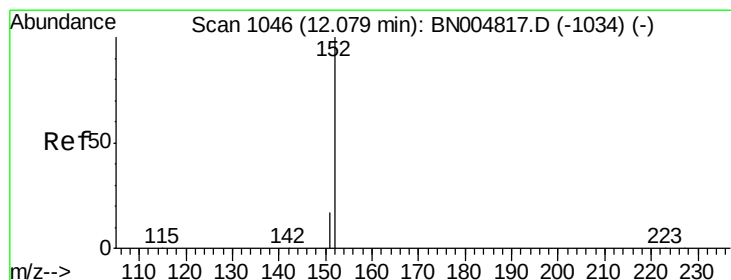
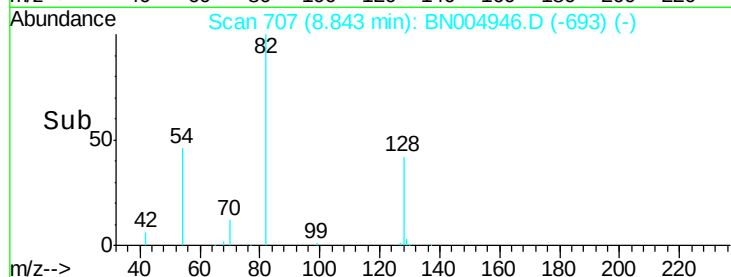
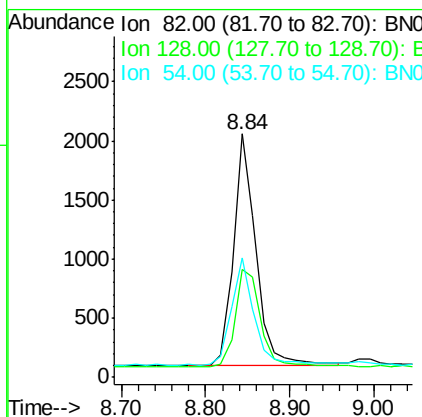
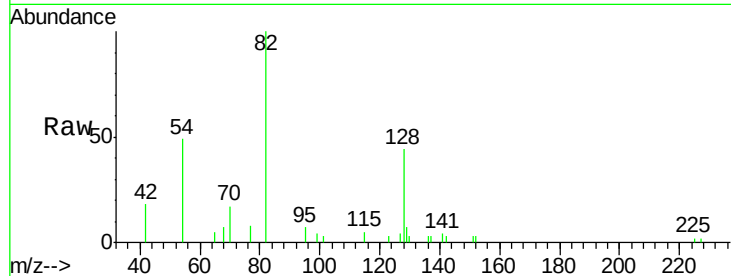
ClientSampleId :

PST-073-B158-031919

Tgt Ion:	82	Resp:	3619
Ion Ratio	Lower	Upper	
82	100		
128	44.2	43.0	64.6
54	49.0	35.3	52.9

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#11

2-Methylnaphthalene-d10

Concen: 0.317 ng

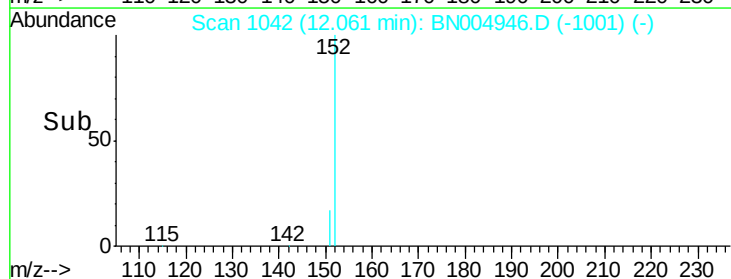
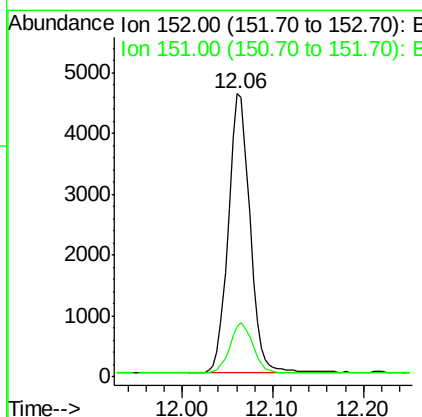
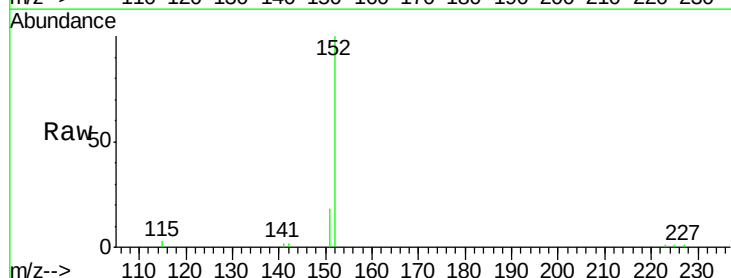
RT: 12.06 min Scan# 1042

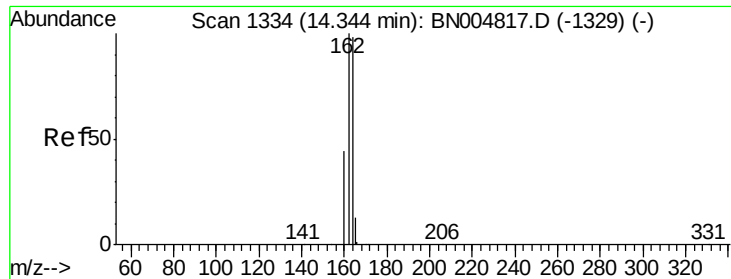
Delta R.T. -0.02 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Tgt Ion:	152	Resp:	7620
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.5	23.3





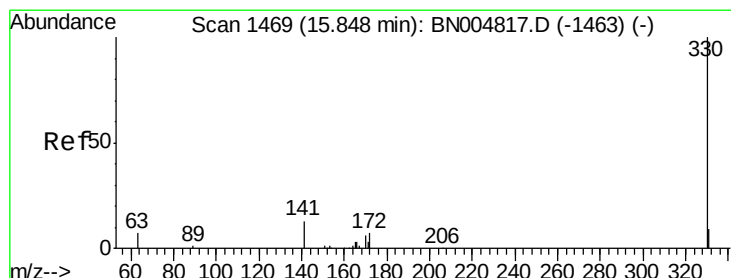
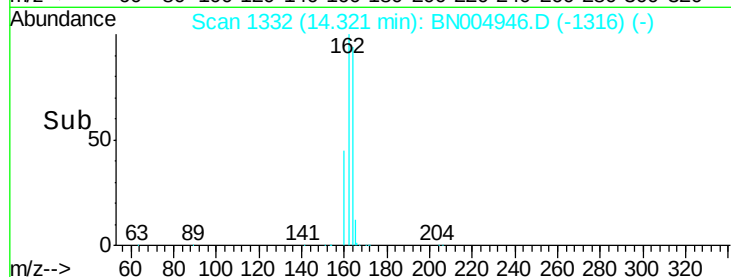
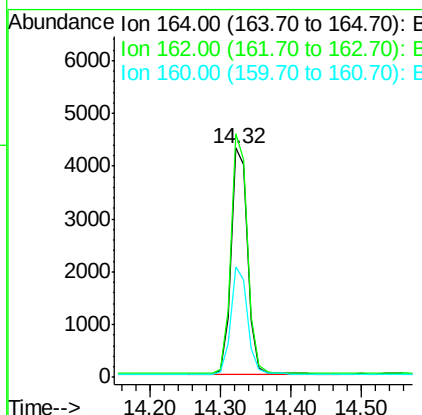
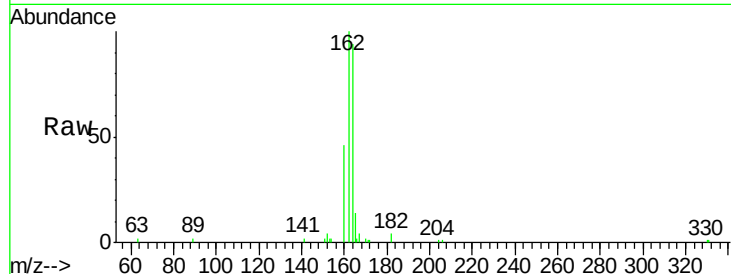
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BN004946.D
Acq: 24 Mar 2019 19:22

Instrument :
BNA_N
ClientSampleId :
PST-073-B158-031919

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	81.9	122.9
160	48.5	36.6	54.8

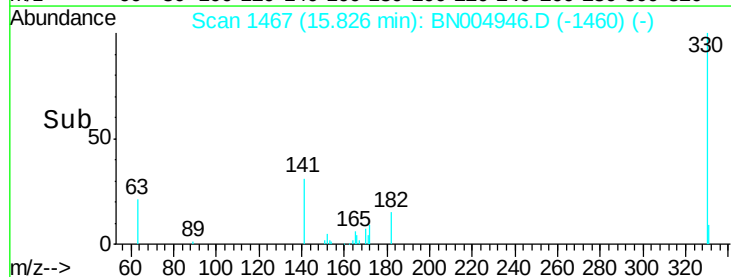
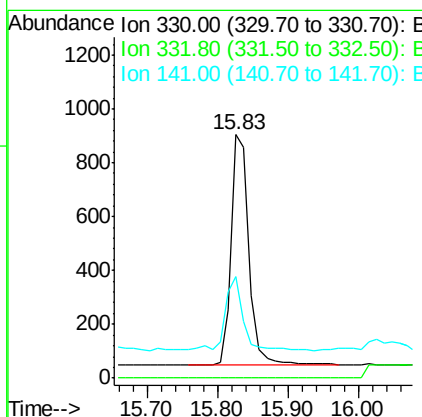
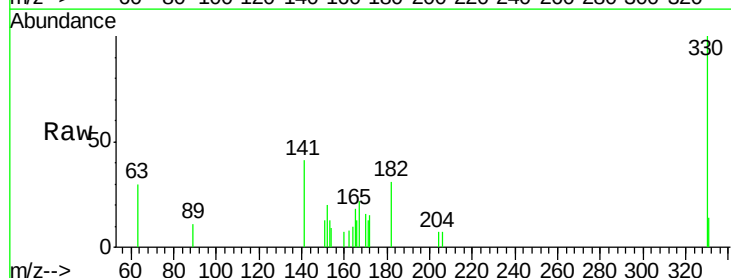
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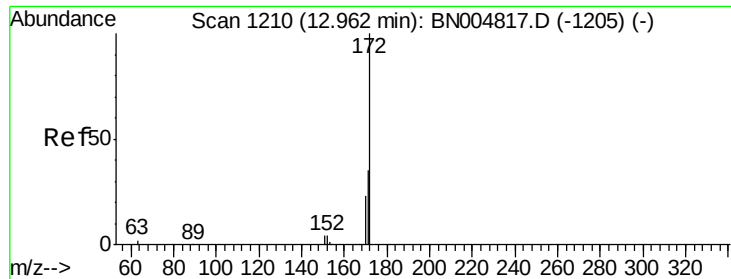
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#14
2,4,6-Tribromophenol
Concen: 0.313 ng
RT: 15.83 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BN004946.D
Acq: 24 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.1	20.9	31.3#





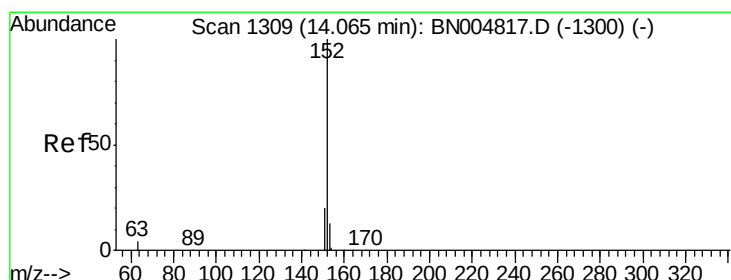
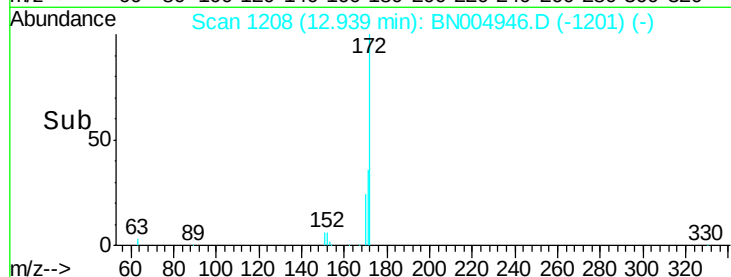
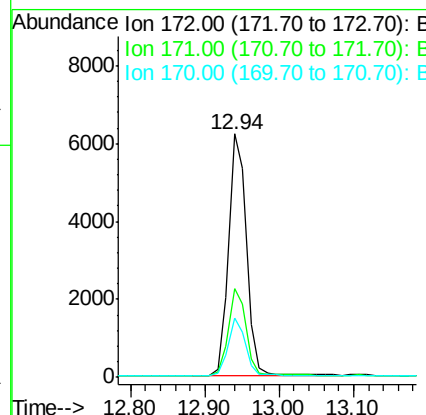
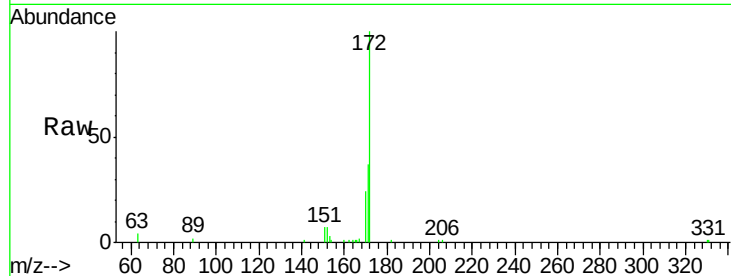
#15
2-Fluorobiphenyl
Concen: 0.352 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004946.D
Acq: 24 Mar 2019 19:22

Instrument :
BNA_N
ClientSampleId :
PST-073-B158-031919

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.7	43.1
170	24.2	18.7	28.1

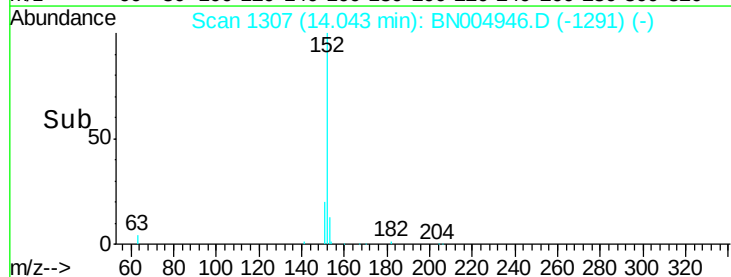
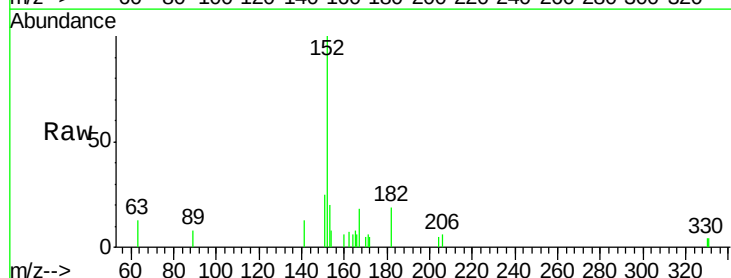
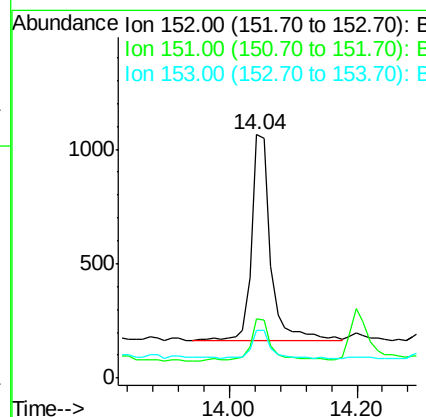
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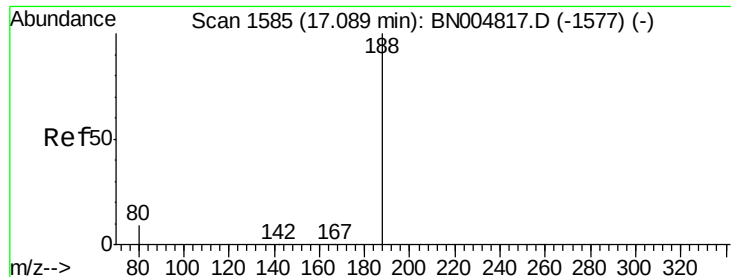
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#16
Acenaphthylene
Concen: 0.051 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004946.D
Acq: 24 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.1	24.1
153	13.8	10.5	15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

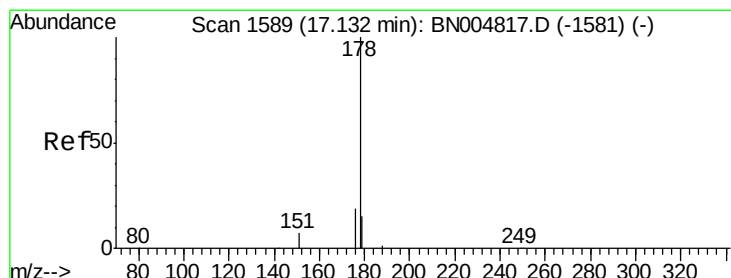
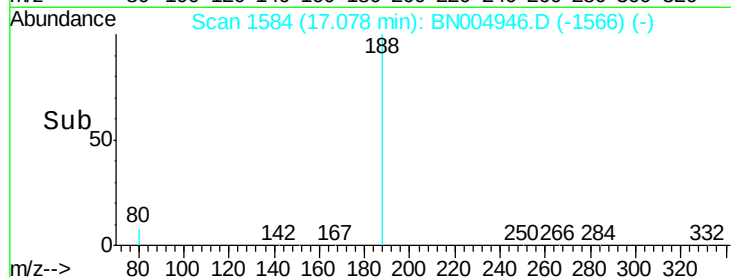
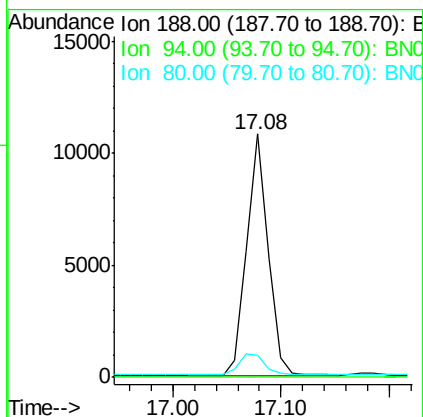
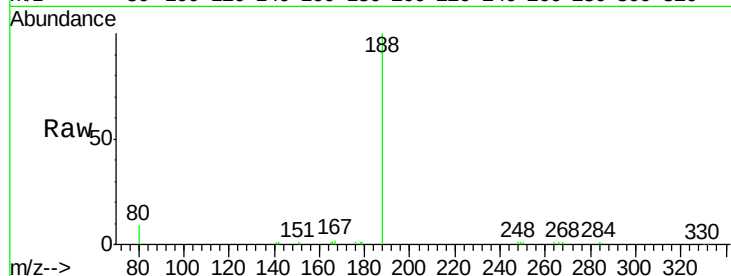
ClientSampleId :

PST-073-B158-031919

Tgt Ion:	188	Resp:	14948
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.2	7.4	11.2

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#23

Phenanthrene

Concen: 0.216 ng

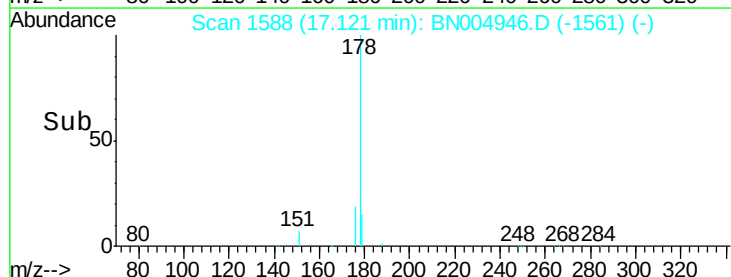
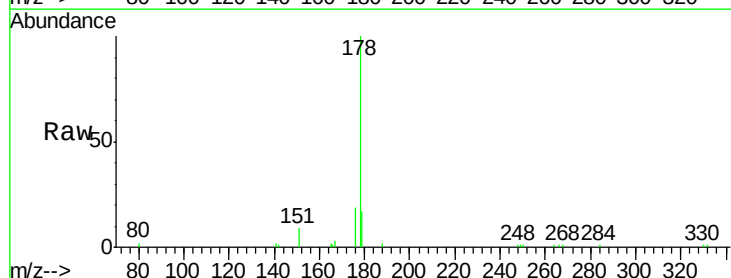
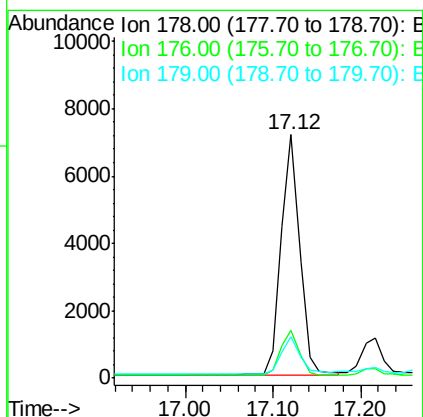
RT: 17.12 min Scan# 1588

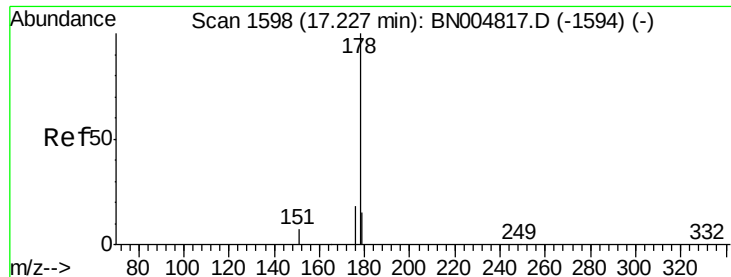
Delta R.T. -0.01 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Tgt Ion:	178	Resp:	10431
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.9	22.3
179	16.2	12.1	18.1





#24

Anthracene

Concen: 0.038 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

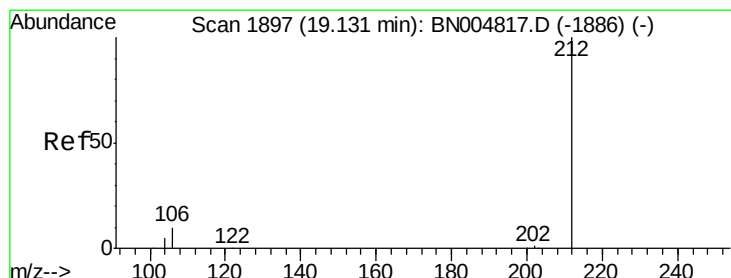
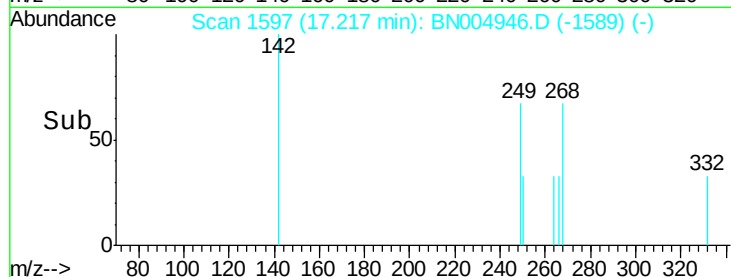
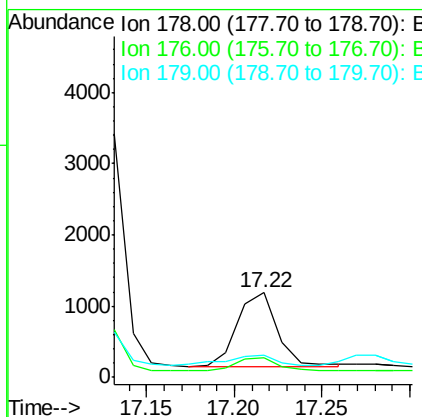
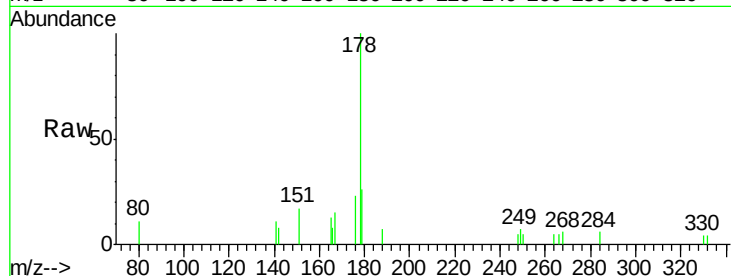
ClientSampleId :

PST-073-B158-031919

Tgt Ion:	178	Resp:	1635
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.5	21.7
179	17.9	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.292 ng

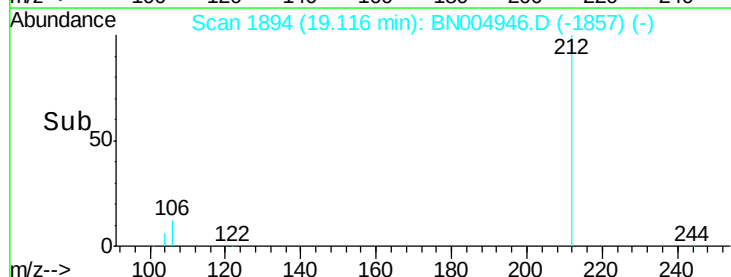
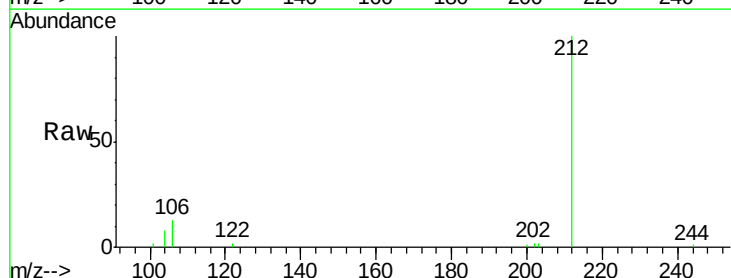
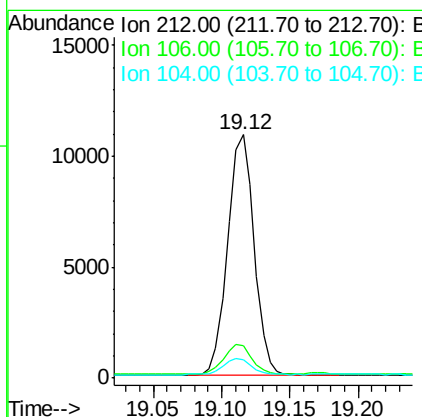
RT: 19.12 min Scan# 1894

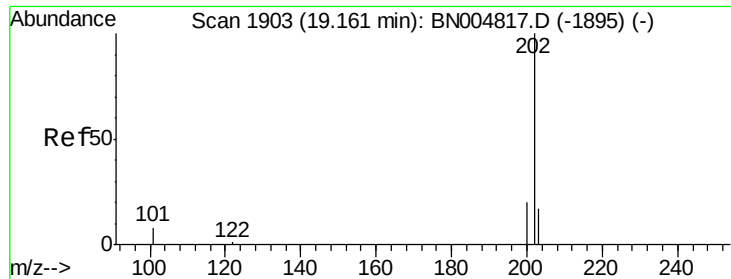
Delta R.T. -0.02 min

Lab File: BN004946.D

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Tgt Ion:	212	Resp:	14598
Ion Ratio	Lower	Upper	
212	100		
106	12.4	8.6	13.0
104	7.4	4.7	7.1#





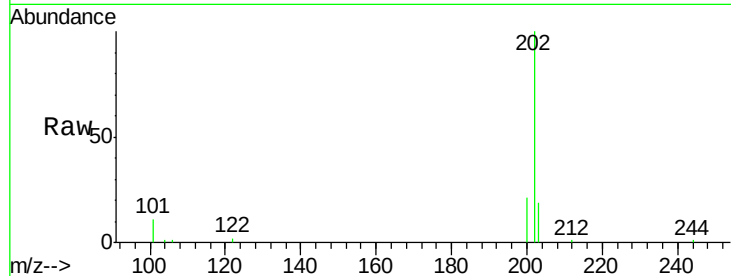
#26
 Fluoranthene
 Concen: 0.324 ng
 RT: 19.15 min Scan# 1900
 Delta R.T. -0.02 min
 Lab File: BN004946.D
 Acq: 24 Mar 2019 19:22

Instrument :
 BNA_N
 ClientSampleId :
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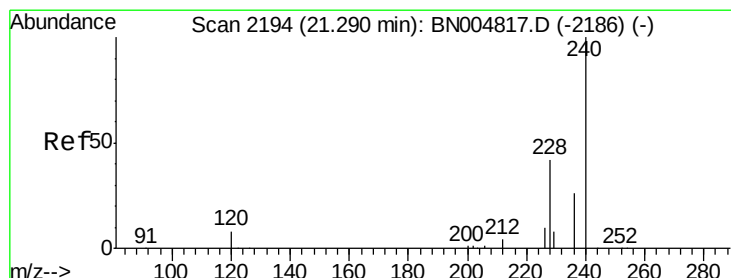
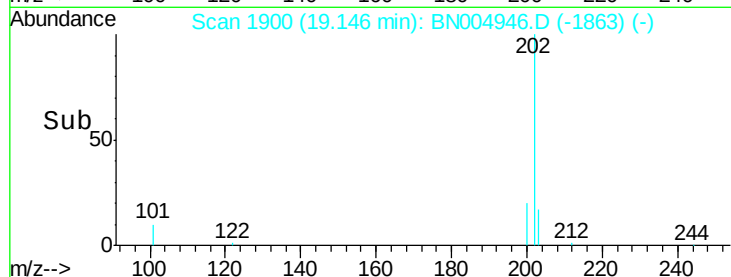
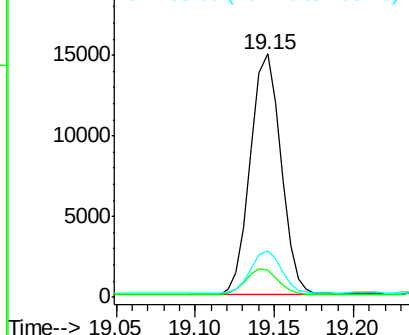
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.6	7.5	11.3#
203	17.7	13.8	20.6

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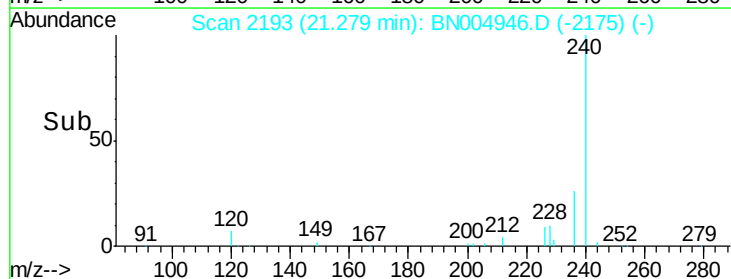
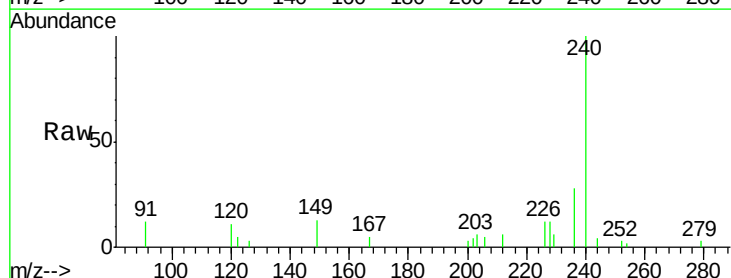
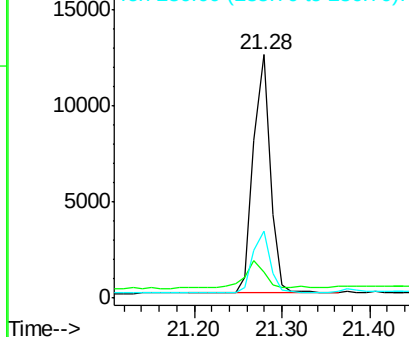
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

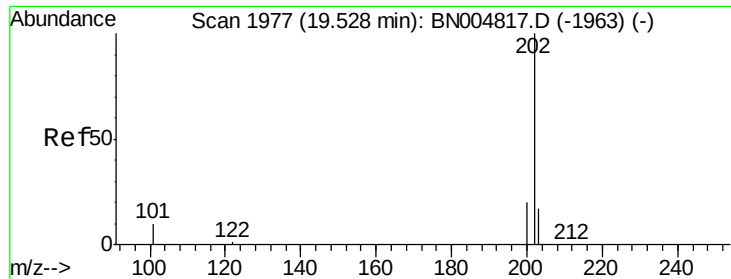


#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004946.D
 Acq: 24 Mar 2019 19:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.7	7.2	10.8
236	27.6	20.9	31.3

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





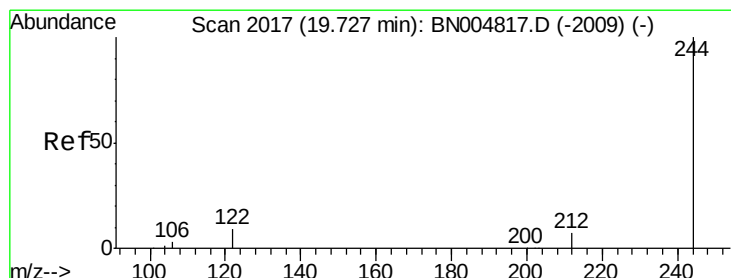
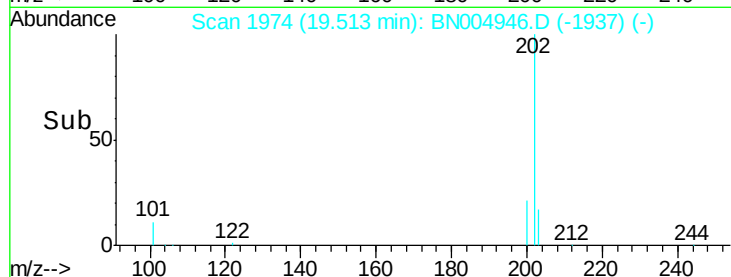
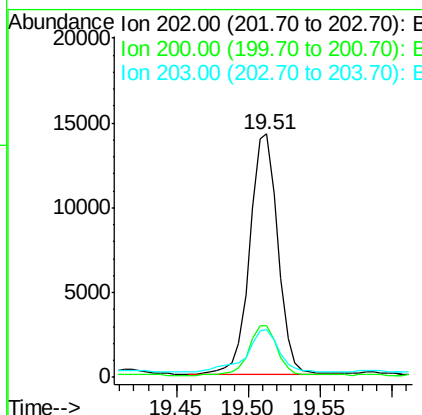
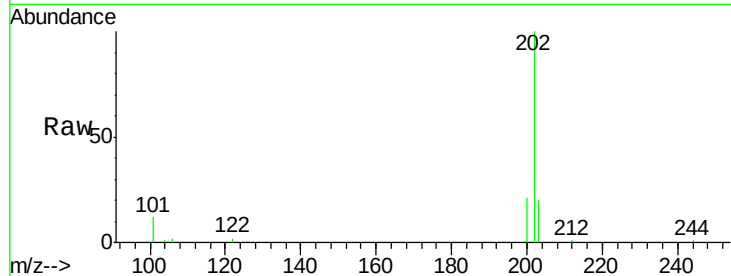
#28
 Pyrene
 Concen: 0.380 ng
 RT: 19.51 min Scan# 1974
 Delta R.T. -0.02 min
 Lab File: BN004946.D
 Acq: 24 Mar 2019 19:22

Instrument :
 BNA_N
 ClientSampleId :
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Tgt Ion:	202	Resp:	19380
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.3	24.5
203	20.5	14.0	21.0

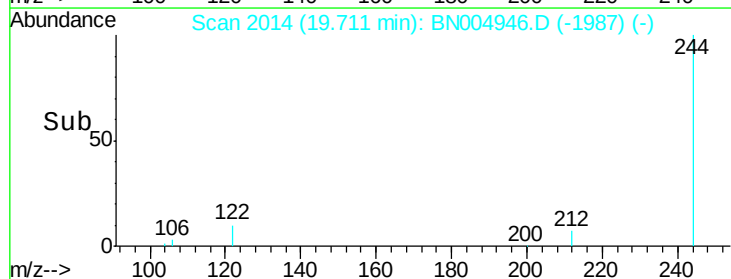
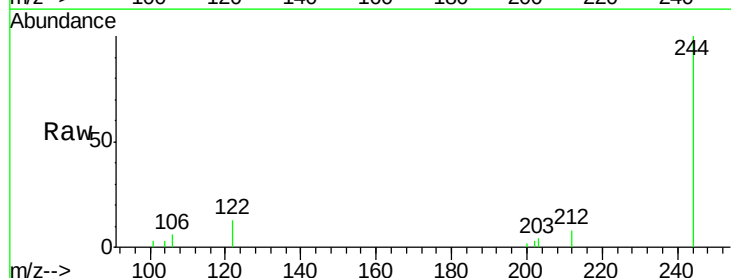
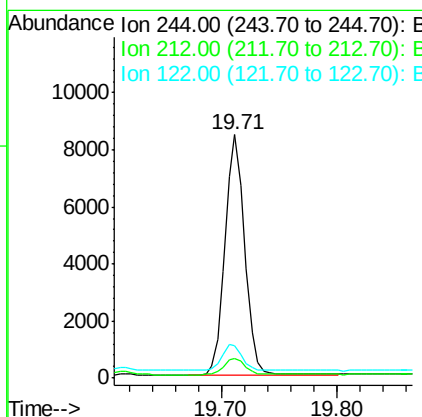
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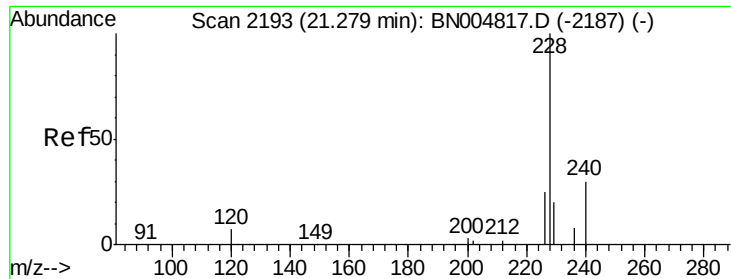
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#29
 Terphenyl-d14
 Concen: 0.290 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.02 min
 Lab File: BN004946.D
 Acq: 24 Mar 2019 19:22

Tgt Ion:	244	Resp:	9917
Ion Ratio	Lower	Upper	
244	100		
212	8.3	5.8	8.6
122	13.2	7.9	11.9#





#30

Benzo(a)anthracene

Concen: 0.178 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

ClientSampleId :

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Tgt Ion:228 Resp: 9770

Ion Ratio Lower Upper

228 100

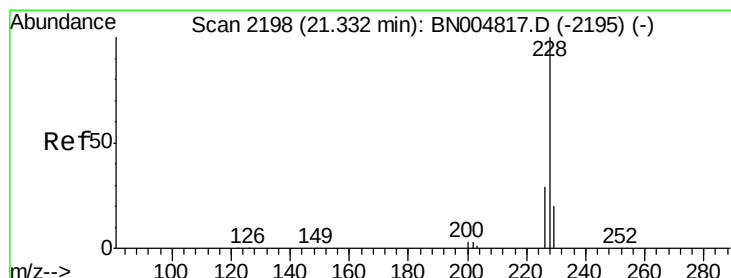
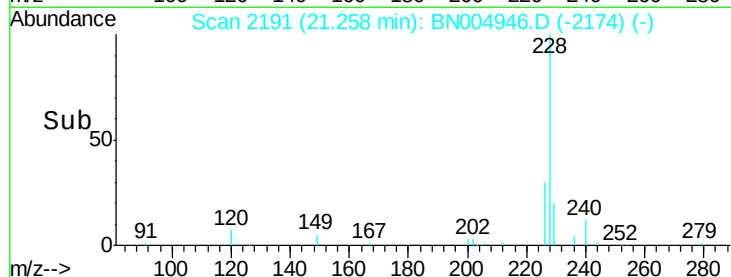
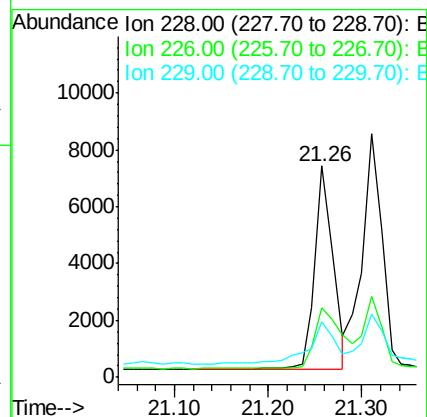
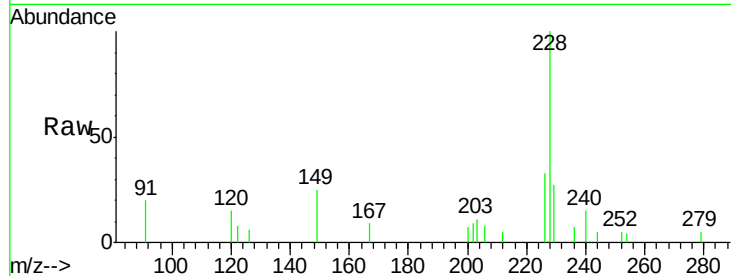
226 32.8 20.6 31.0#

229 26.5 16.2 24.4#

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#31

Chrysene

Concen: 0.212 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

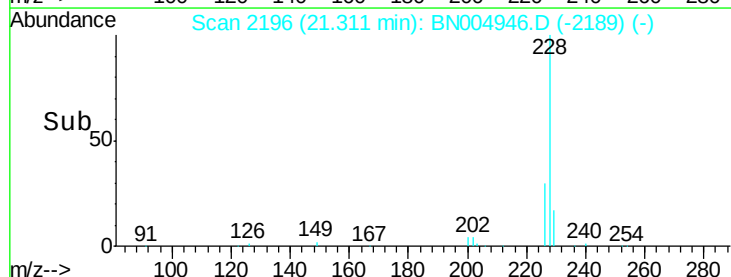
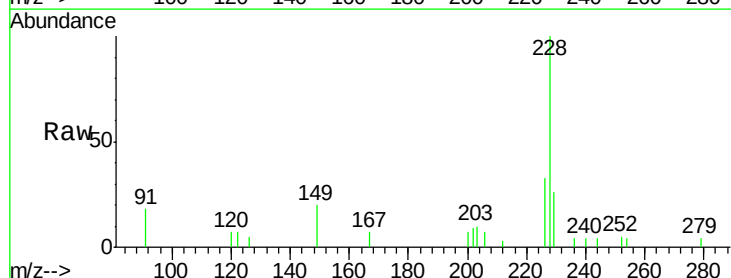
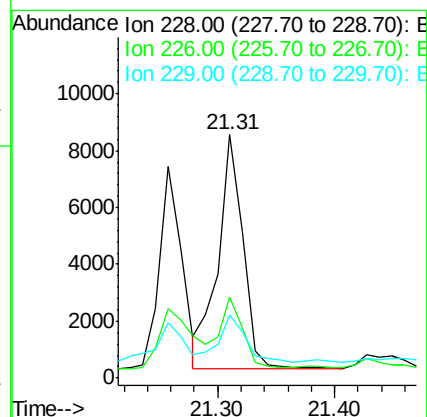
Tgt Ion:228 Resp: 12220

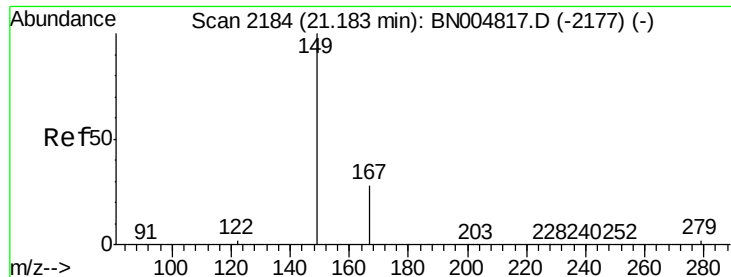
Ion Ratio Lower Upper

228 100

226 33.0 23.0 34.6

229 26.1 16.2 24.2#





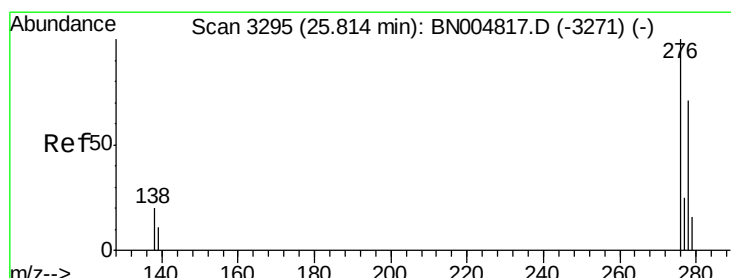
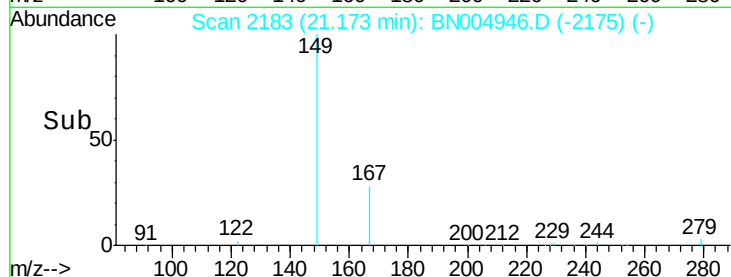
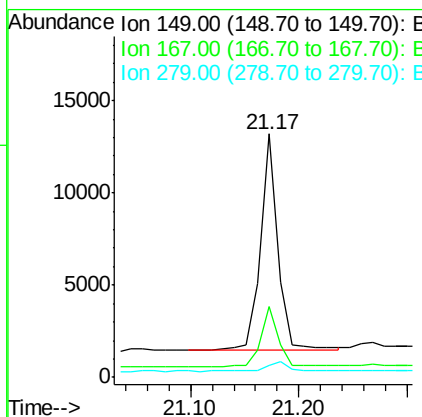
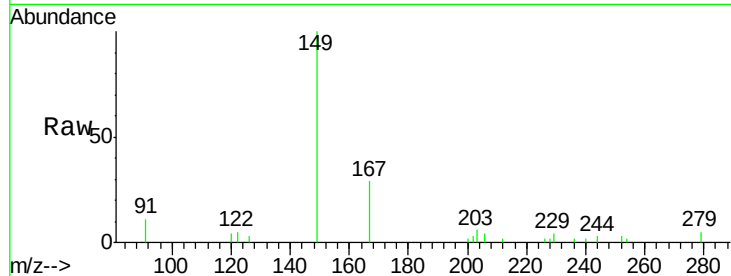
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.598 ng
 RT: 21.17 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BN004946.D
 Acq: 24 Mar 2019 19:22

Instrument :
 BNA_N
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	23.0	34.4
279	5.7	4.6	6.8

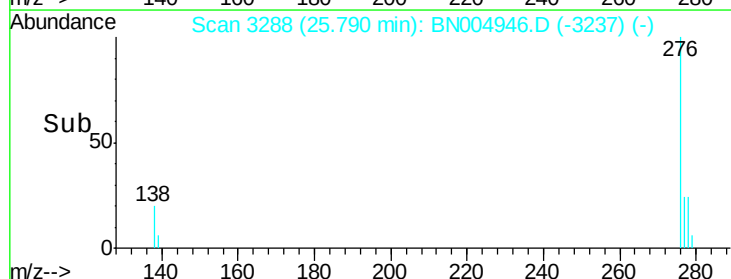
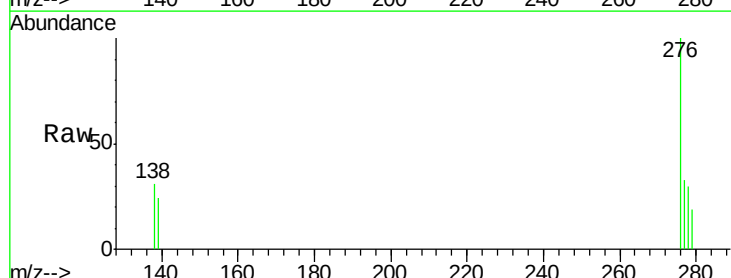
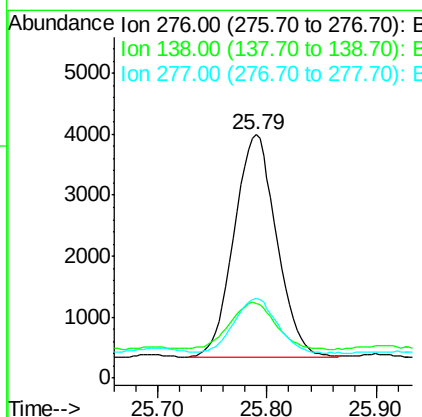
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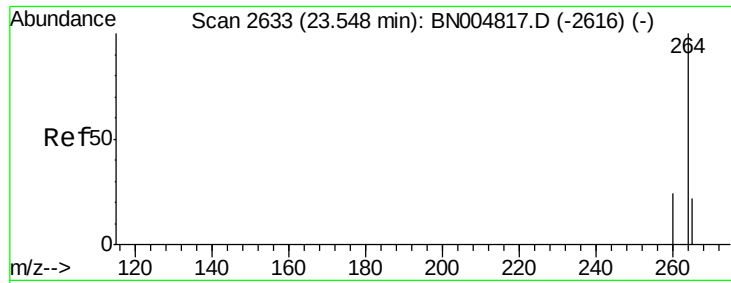
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.118 ng
 RT: 25.79 min Scan# 3288
 Delta R.T. -0.02 min
 Lab File: BN004946.D
 Acq: 24 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	16.6	24.8
277	25.3	20.3	30.5





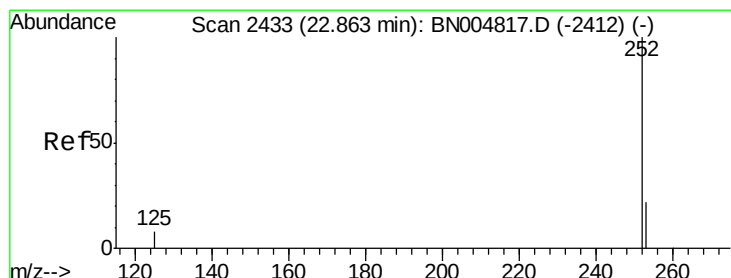
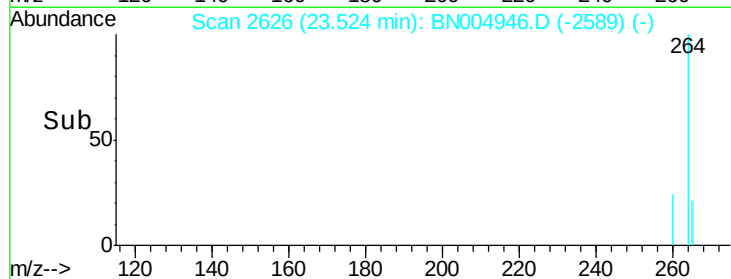
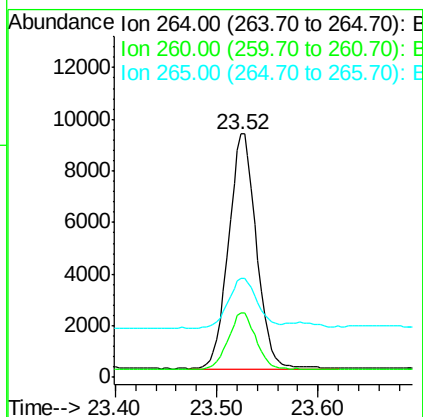
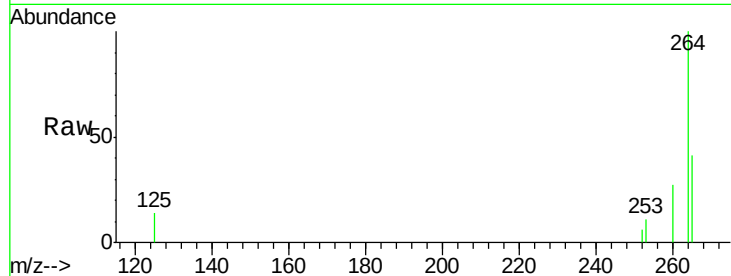
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.52 min Scan# 2626
 Delta R.T. -0.02 min
 Lab File: BN004946.D
 Acq: 24 Mar 2019 19:22

Instrument :
 BNA_N
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.7	19.5	29.3
265	40.5	23.1	34.7

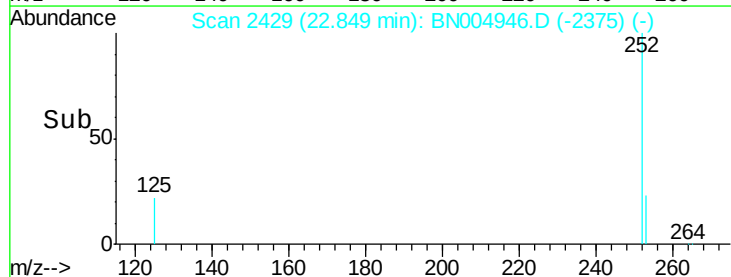
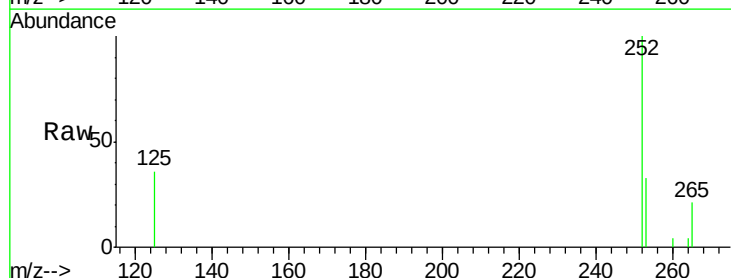
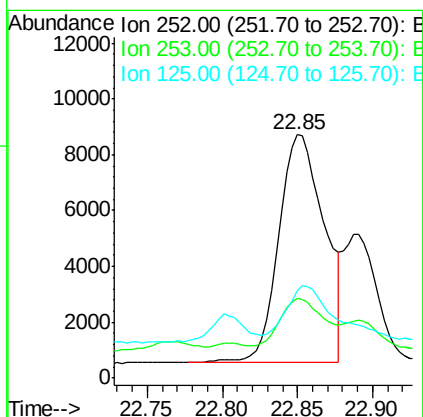
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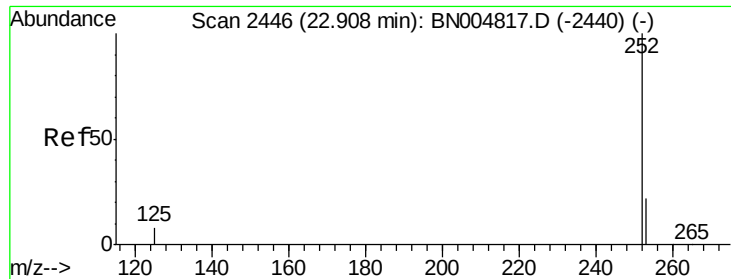
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#35
Benzo(b)fluoranthene
 Concen: 0.273 ng
 RT: 22.85 min Scan# 2429
 Delta R.T. -0.01 min
 Lab File: BN004946.D
 Acq: 24 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.5	19.0	28.4
125	35.8	7.4	11.2





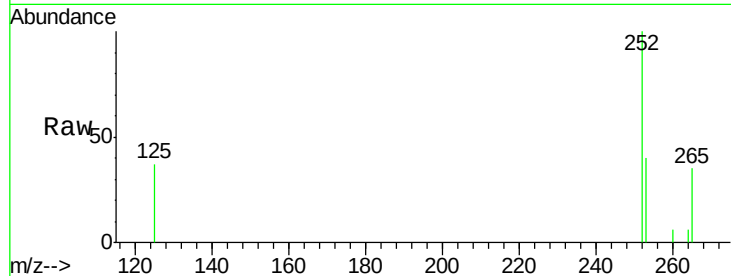
#36
Benzo(k)fluoranthene
Concen: 0.118 ng m
RT: 22.89 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BN004946.D
Acq: 24 Mar 2019 19:22

Instrument :
BNA_N
ClientSampleId :
PST-073-B158-031919

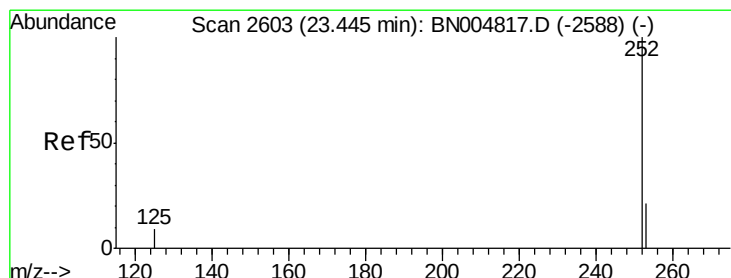
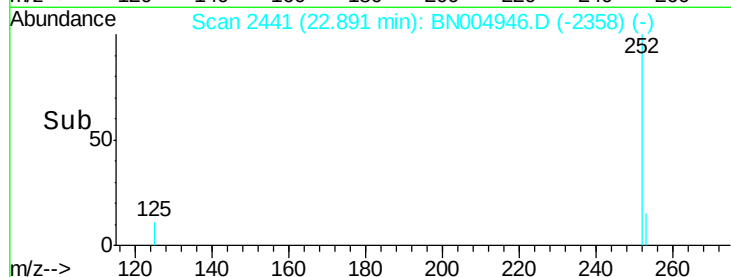
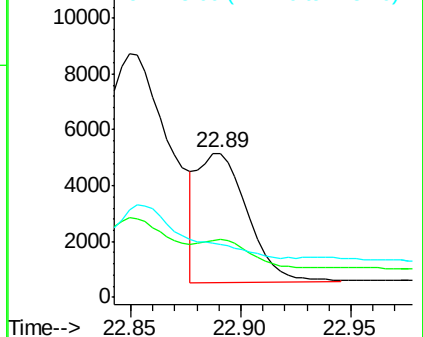
Tgt Ion	Ratio	Lower	Upper
252	100		
253	40.5	19.3	28.9#
125	36.7	7.4	11.0#

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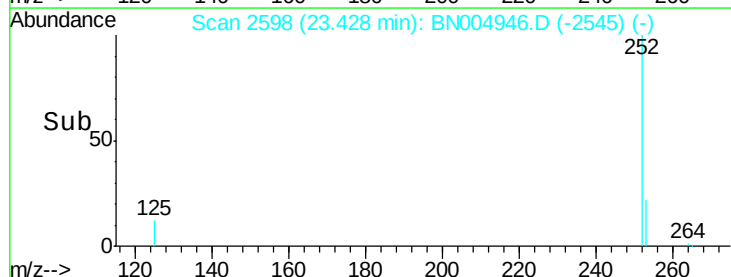
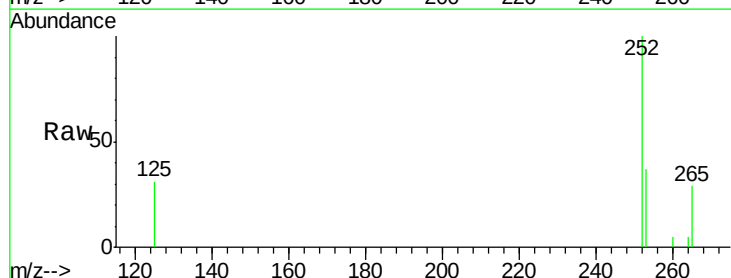
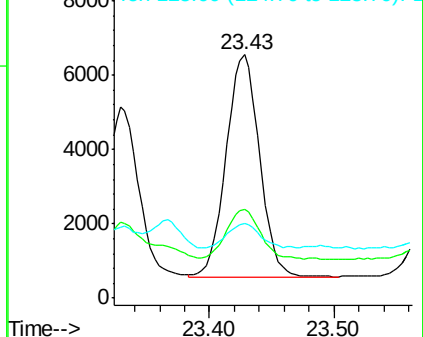
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

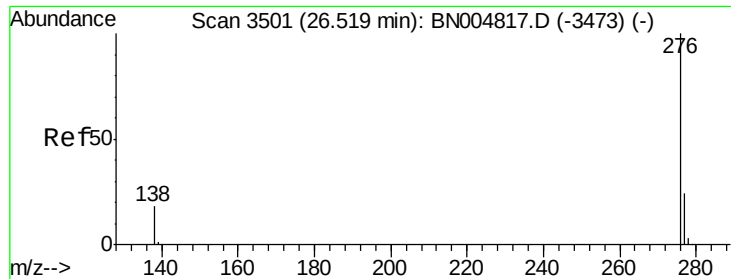


#37
Benzo(a)pyrene
Concen: 0.192 ng
RT: 23.43 min Scan# 2598
Delta R.T. -0.02 min
Lab File: BN004946.D
Acq: 24 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.6	19.7	29.5#
125	30.8	8.3	12.5#

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





#39

Benzo(g,h,i)perylene

Concen: 0.143 ng

RT: 26.49 min Scan# 3492

Delta R.T. -0.03 min

Lab File: BN004946.D

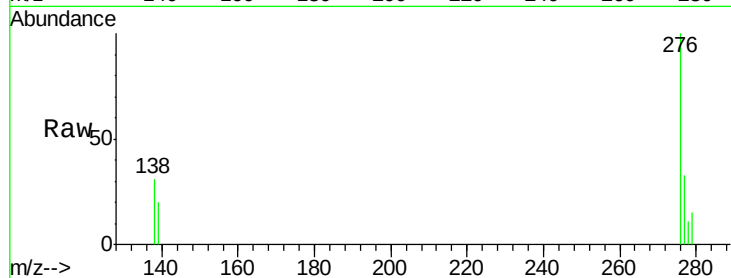
Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

ClientSampleId :

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Tgt Ion: 276 Resp: 9767

Ion Ratio Lower Upper

276 100

277 33.3 19.7 29.5#

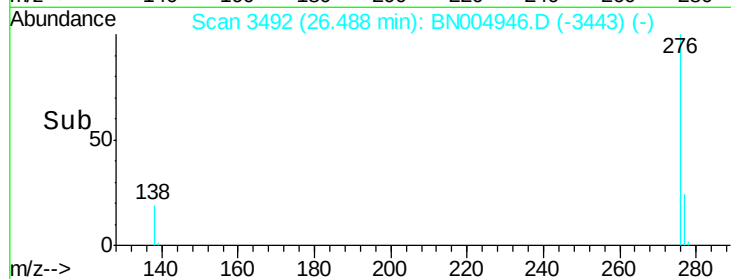
138 31.0 14.6 22.0#

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

