

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
 Data File : BN007976.D
 Acq On : 02 Oct 2019 21:29
 Operator : JU
 Sample : K5077-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B272-092519

Manual Integrations
 APPROVED

mohammad
 10/4/2019 8:16:47 AM

Quant Time: Oct 03 07:16:59 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 18 18:24:40 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	5344	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	22351	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	13999	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	29772	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	32432	0.40	ng	-0.01
34) Perylene-d12	23.47	264	34906	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	4245	0.23	ng	0.00
5) Phenol-d6	6.87	99	5764	0.25	ng	0.00
8) Nitrobenzene-d5	8.82	82	4834	0.25	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	10096	0.27	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	1796	0.24	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	13607	0.24	ng	-0.01
25) Fluoranthene-d10	19.09	212	25362	0.25	ng	-0.01
29) Terphenyl-d14	19.70	244	20328	0.26	ng	-0.01

Target Compounds

						Qvalue
16) Acenaphthylene	14.02	152	9276	0.125	ng	99
17) Acenaphthene	14.37	154	1506	0.031	ng	92
18) Fluorene	15.36	166	2700	0.044	ng	# 92
22) Pentachlorophenol	16.72	266	151	0.021	ng	# 79
23) Phenanthrene	17.10	178	75212	0.811	ng	100
24) Anthracene	17.19	178	10749	0.128	ng	# 95
26) Fluoranthene	19.12	202	208870	1.811	ng	100
28) Pyrene	19.49	202	181843	1.644	ng	96
30) Benzo(a)anthracene	21.24	228	88804	0.744	ng	98
31) Chrysene	21.29	228	103574	0.890	ng	97
32) Bis(2-ethylhexyl)phthalate	21.19	149	8277	0.135	ng	98
33) Indeno(1,2,3-cd)pyrene	25.68	276	78376	0.538	ng	# 94
35) Benzo(b)fluoranthene	22.81	252	145693	1.202	ng	97
36) Benzo(k)fluoranthene	22.85	252	53749m	0.449	ng	
37) Benzo(a)pyrene	23.37	252	97935	0.860	ng	98
38) Dibenzo(a,h)anthracene	25.68	278	17799	0.153	ng	# 80
39) Benzo(g,h,i)perylene	26.35	276	77628	0.673	ng	99

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

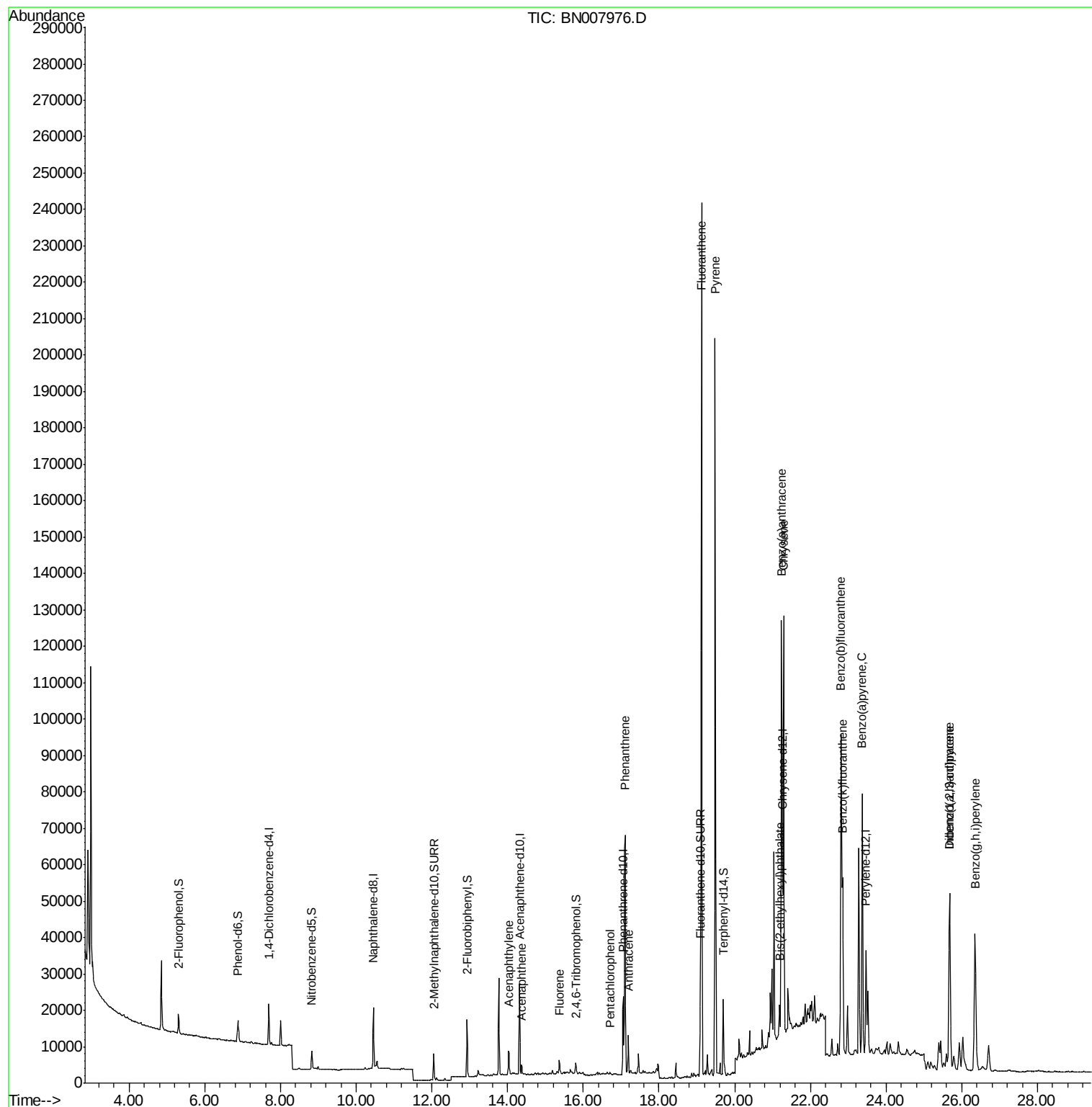
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
Data File : BN007976.D
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ALS Vial : 12 Sample Multiplier: 1

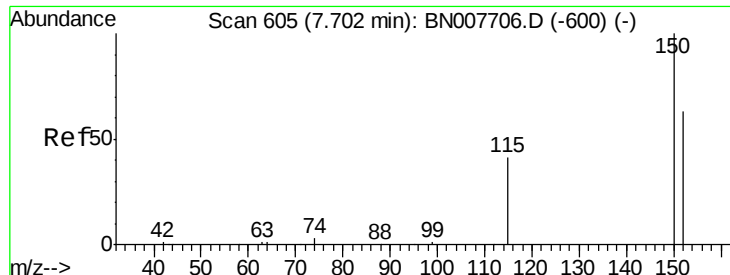
Instrument :
BNA_N
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PST-024-B272-092519

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
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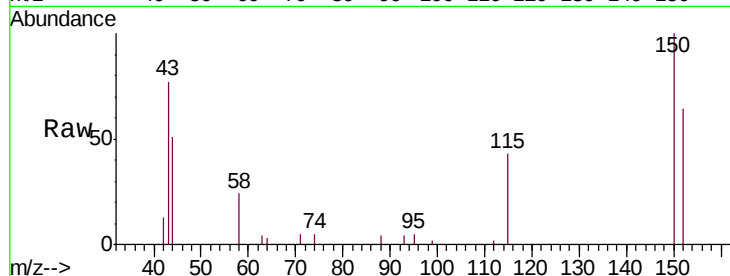
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.69 min Scan# 603
 Delta R.T. -0.02 min
 Lab File: BN007976.D
 Acq: 02 Oct 2019 21:29

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B272-092519

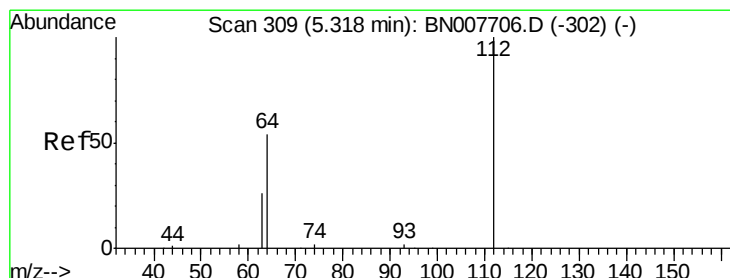
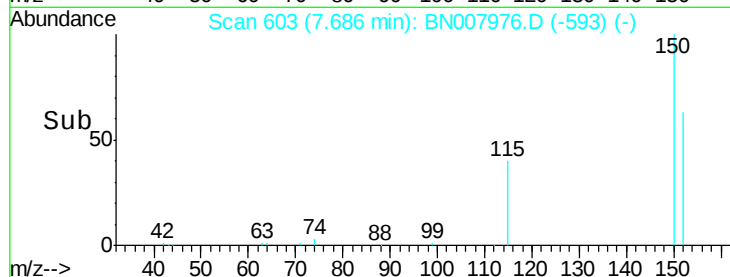
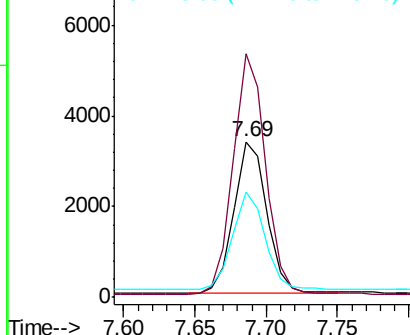
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.6	188.4
115	67.3	53.3	79.9

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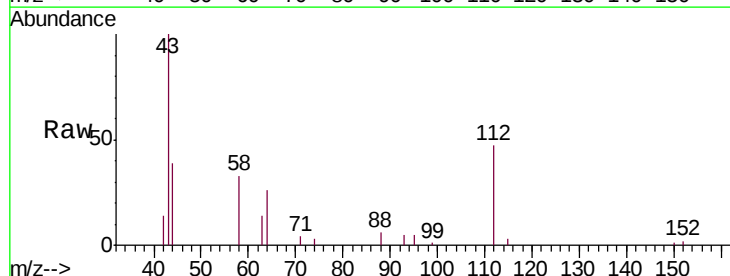


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

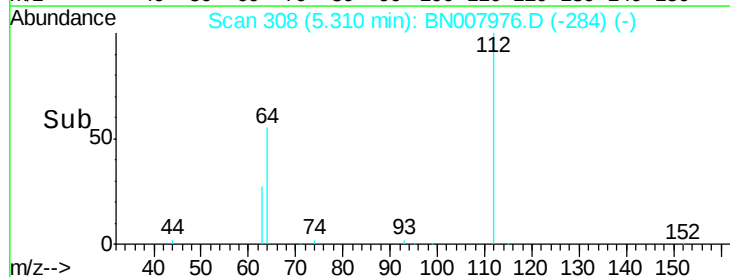
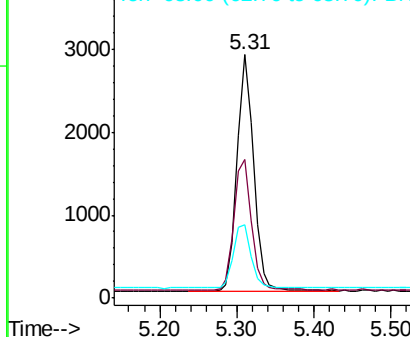


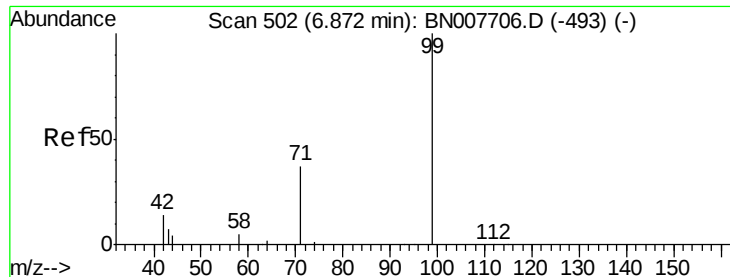
#4
 2-Fluorophenol
 Concen: 0.231 ng
 RT: 5.31 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: BN007976.D
 Acq: 02 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.6	70.0
63	28.2	23.1	34.7



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





#5

Phenol-d6

Concen: 0.249 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

Instrument :

BNA_N

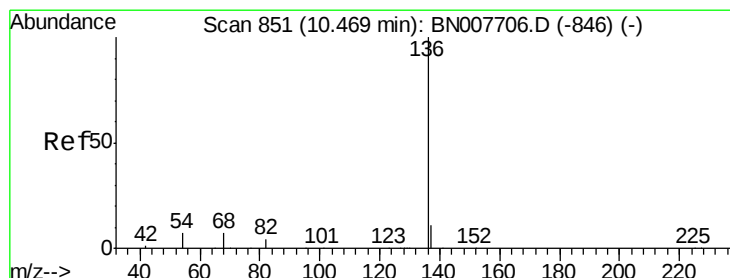
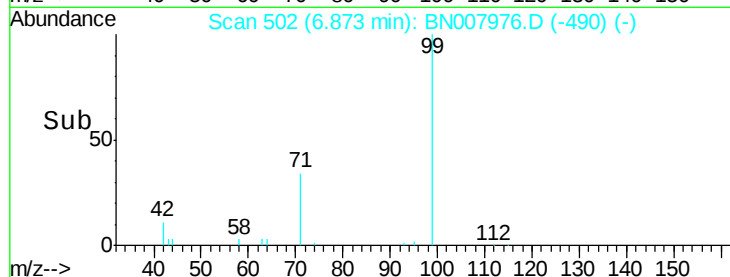
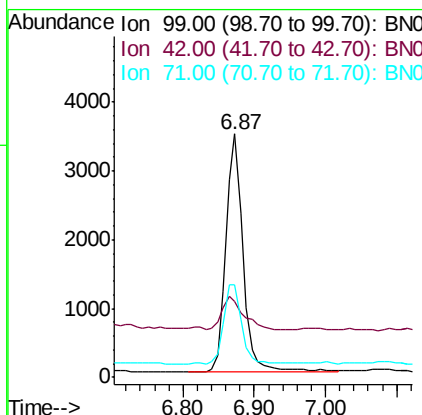
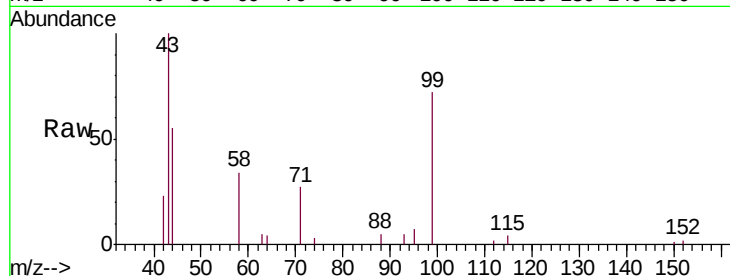
ClientSampleId :

PST-024-B272-092519

Tgt Ion:	99	Resp:	5764
Ion	Ratio	Lower	Upper
99	100		
42	17.1	12.8	19.2
71	35.9	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

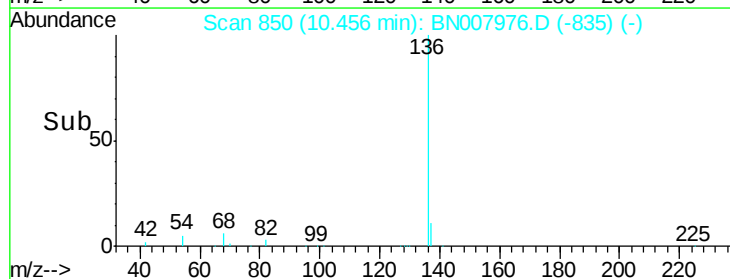
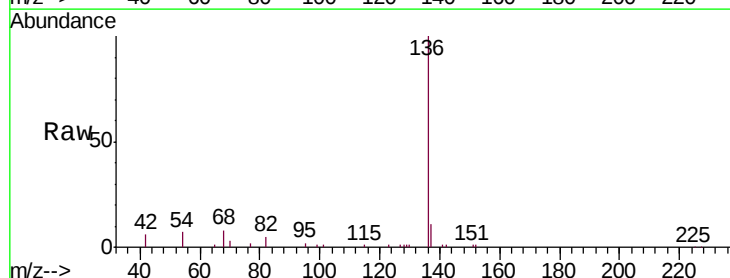
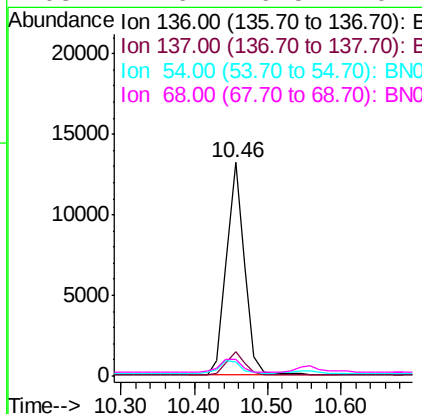
RT: 10.46 min Scan# 850

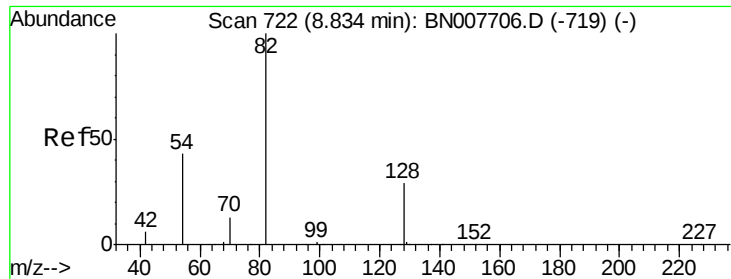
Delta R.T. -0.01 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

Tgt Ion:	136	Resp:	22351
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	6.6	5.8	8.8
68	7.6	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.247 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

Instrument :

BNA_N

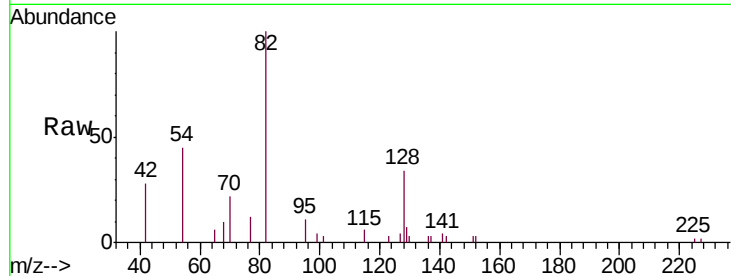
ClientSampleId :

PST-024-B272-092519

Tgt Ion:	82	Resp:	4834
Ion	Ratio	Lower	Upper
82	100		
128	34.4	24.5	36.7
54	44.8	35.2	52.8

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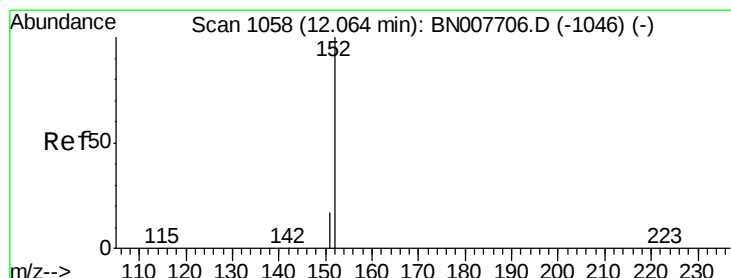
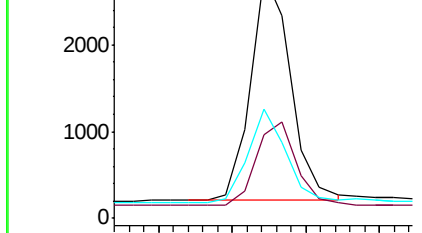
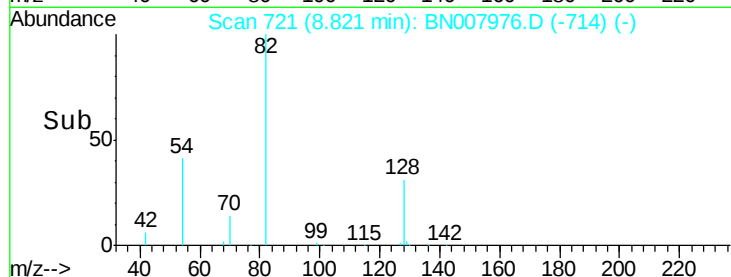


Abundance Ion 82.00 (81.70 to 82.70): BN007976.D (-719) (-)

Ion 128.00 (127.70 to 128.70): BN007976.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007976.D (-719) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.268 ng

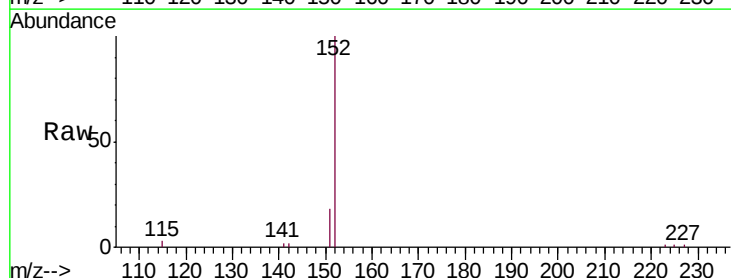
RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

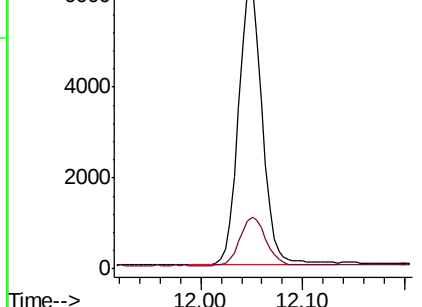
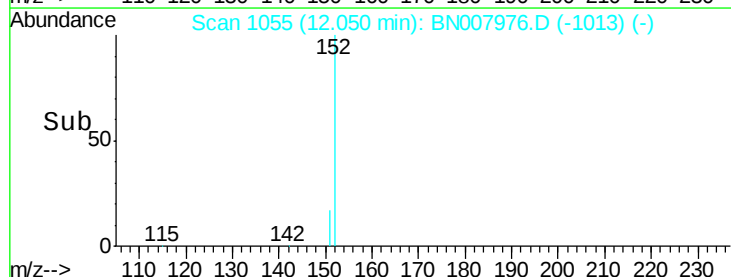
Tgt Ion:	152	Resp:	10096
Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.4	23.2

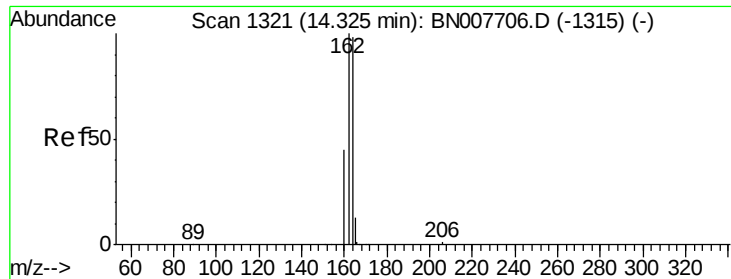


Abundance Ion 152.00 (151.70 to 152.70): BN007976.D (-1013) (-)

Ion 151.00 (150.70 to 151.70): BN007976.D (-1013) (-)

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

Instrument :

BNA_N

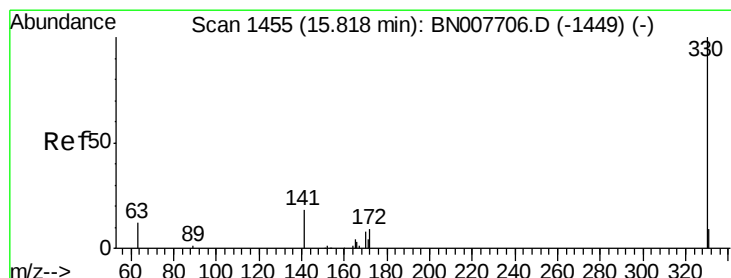
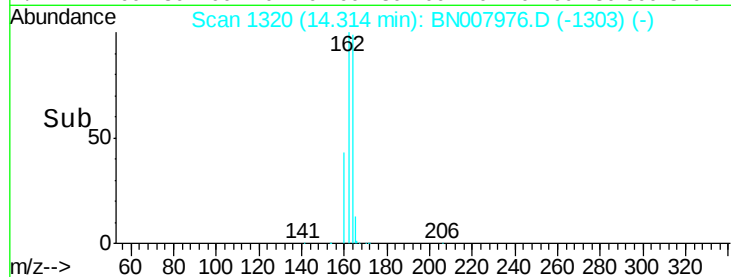
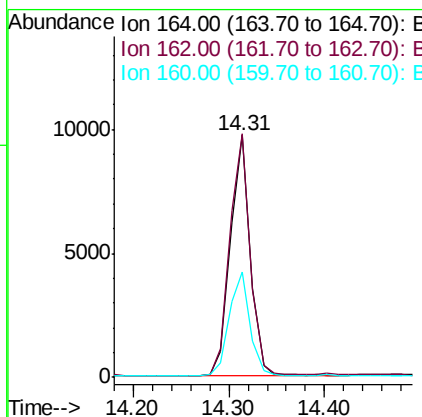
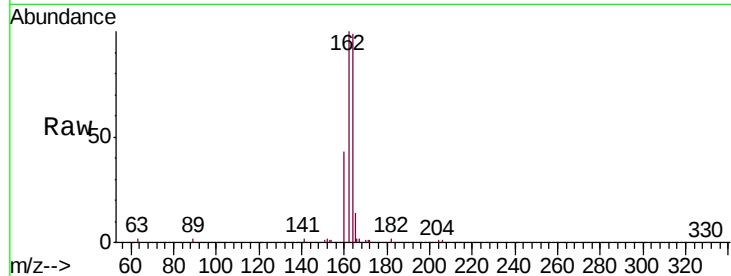
ClientSampleId :

PST-024-B272-092519

Tgt Ion:	164	Resp:	13999
Ion Ratio	Lower	Upper	
164	100		
162	100.7	81.7	122.5
160	43.5	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.236 ng

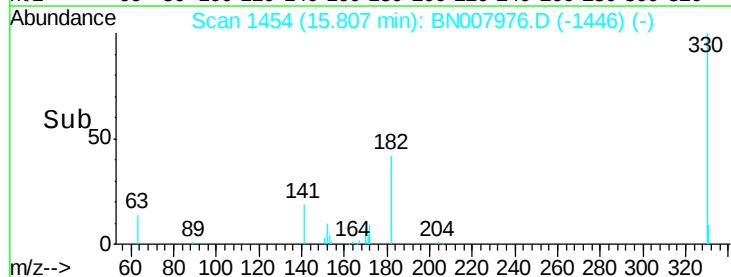
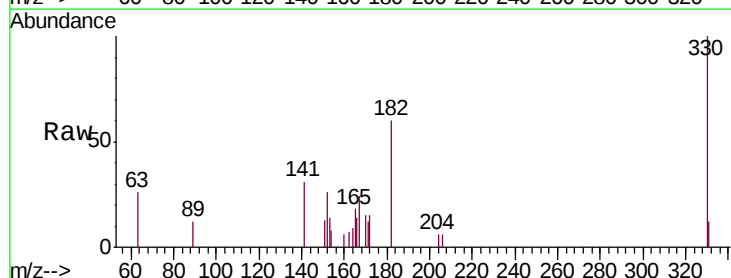
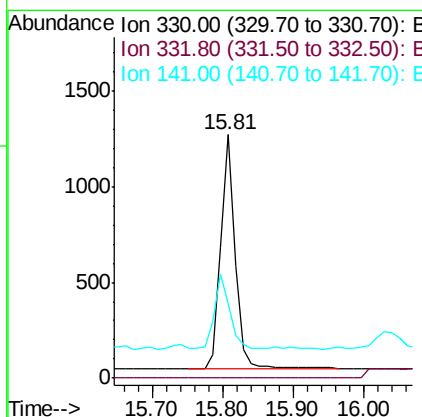
RT: 15.81 min Scan# 1454

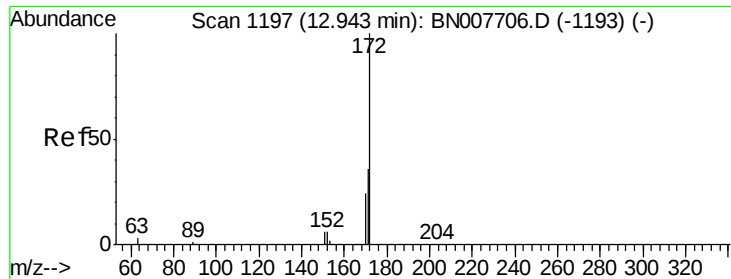
Delta R.T. -0.01 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

Tgt Ion:	330	Resp:	1796
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	32.5	28.7	43.1





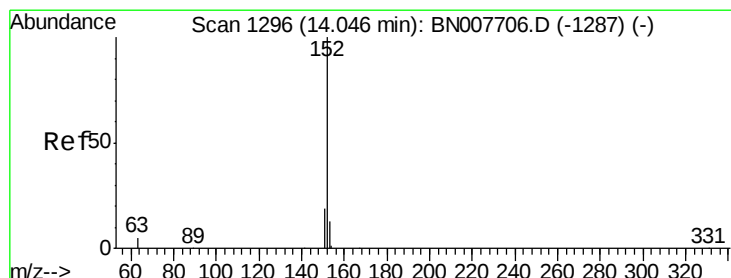
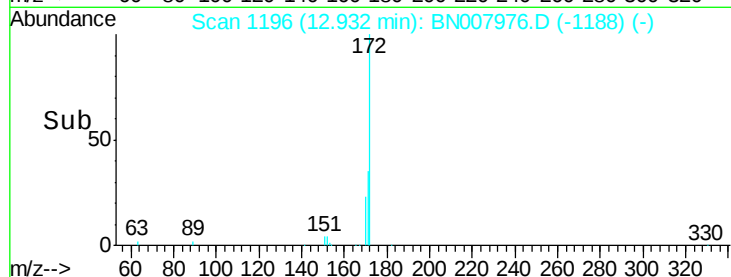
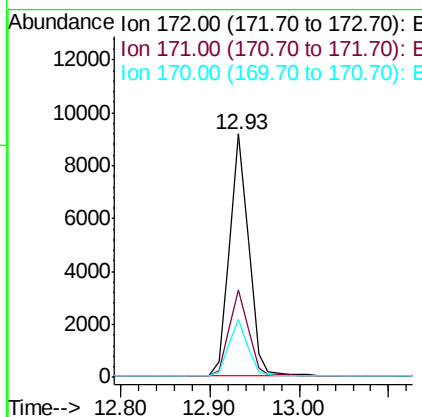
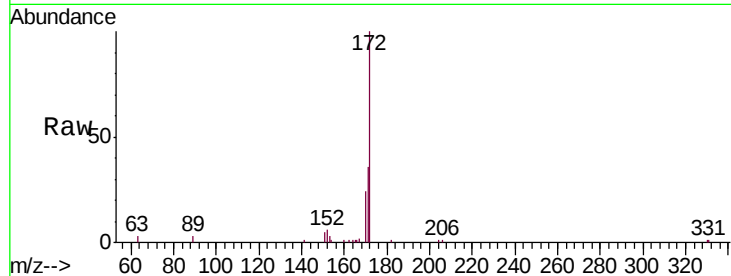
#15
2-Fluorobiphenyl
Concen: 0.236 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007976.D
Acq: 02 Oct 2019 21:29

Instrument :
BNA_N
ClientSampleId :
PST-024-B272-092519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	23.6	19.5	29.3

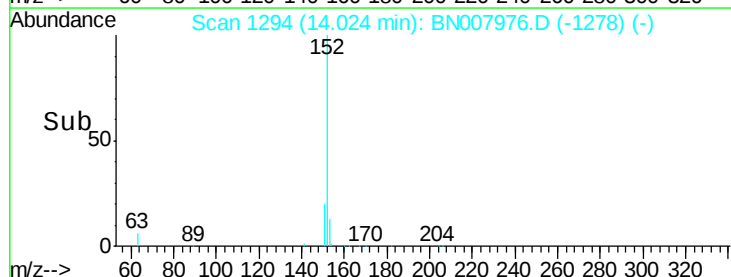
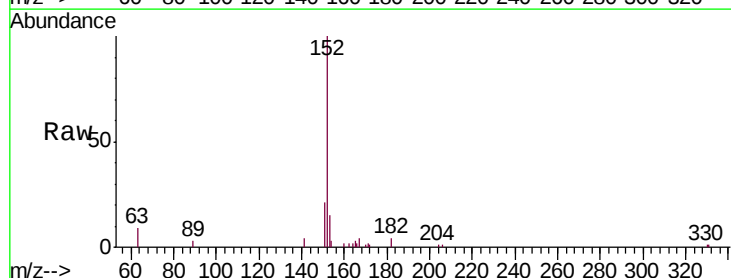
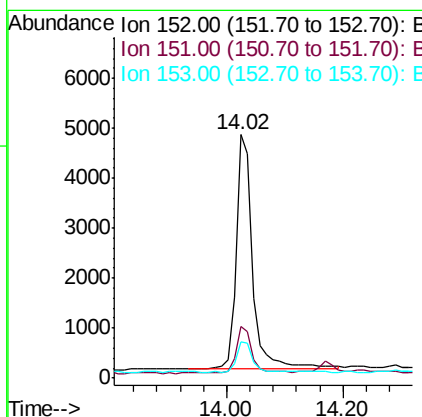
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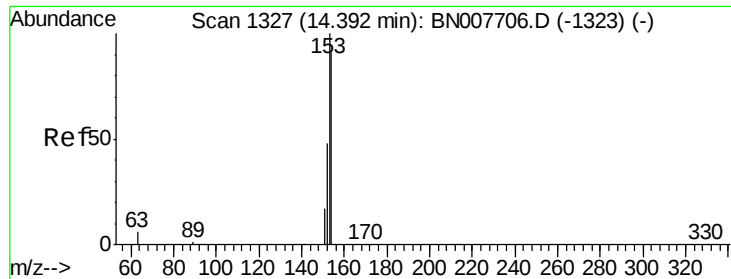
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#16
Acenaphthylene
Concen: 0.125 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007976.D
Acq: 02 Oct 2019 21:29

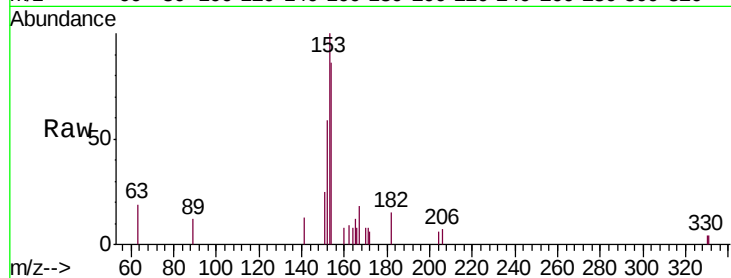
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	12.9	10.4	15.6





#17
Acenaphthene
Concen: 0.031 ng
RT: 14.37 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN007976.D
Acq: 02 Oct 2019 21:29

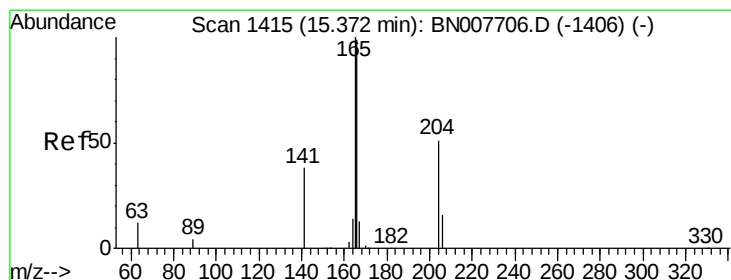
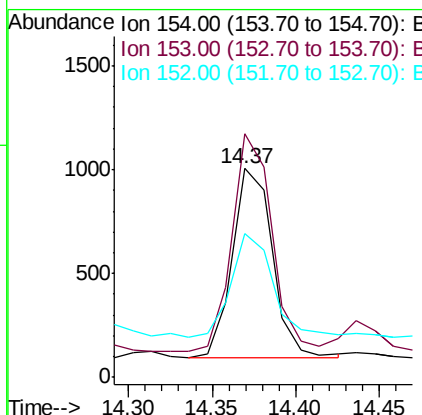
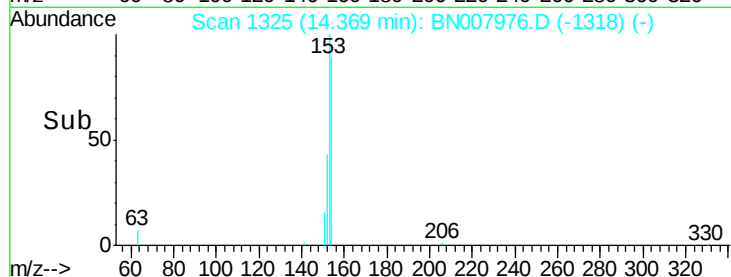
Instrument :
BNA_N
ClientSampleId :
PST-024-B272-092519



Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.9	87.0	130.4
152	62.5	42.7	64.1

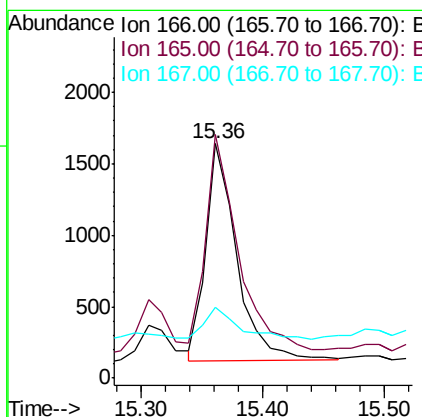
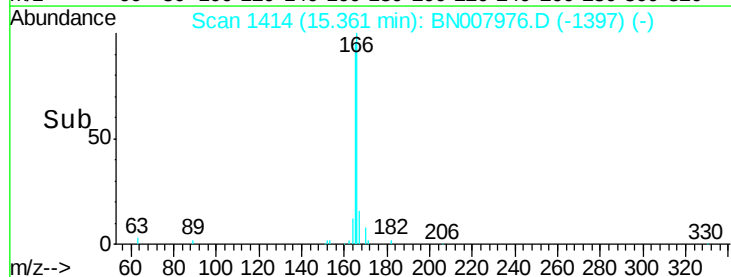
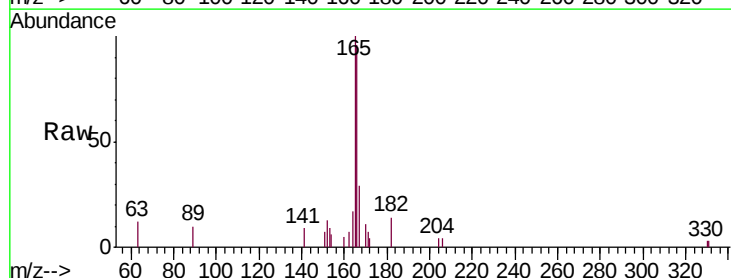
Manual Integrations
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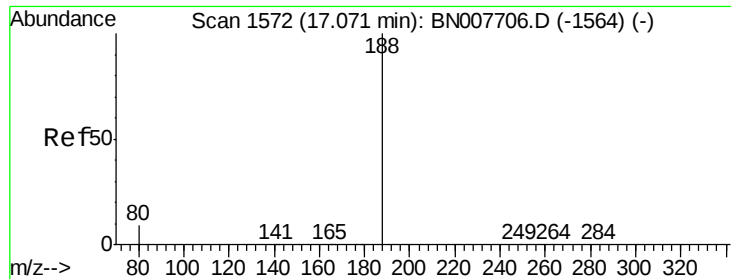
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#18
Fluorene
Concen: 0.044 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007976.D
Acq: 02 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.2	78.0	117.0
167	16.4	10.9	16.3#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

Instrument :

BNA_N

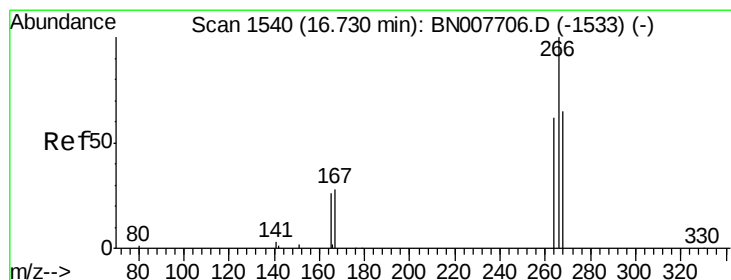
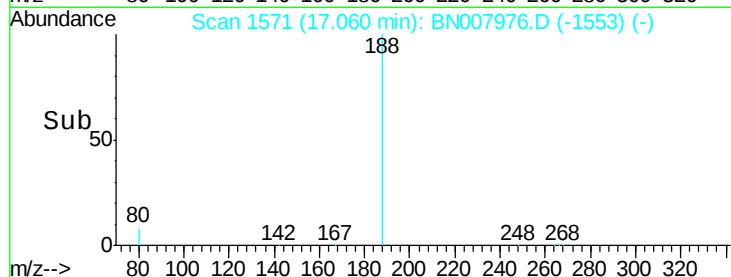
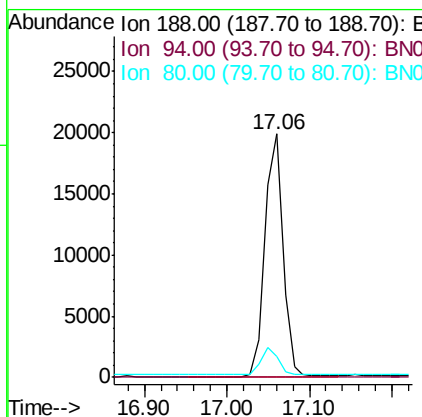
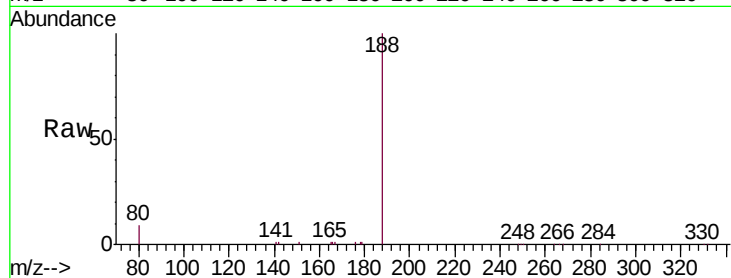
ClientSampleId :

PST-024-B272-092519

Tgt Ion:	188	Resp:	29772
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.6	7.4	11.2

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#22

Pentachlorophenol

Concen: 0.021 ng

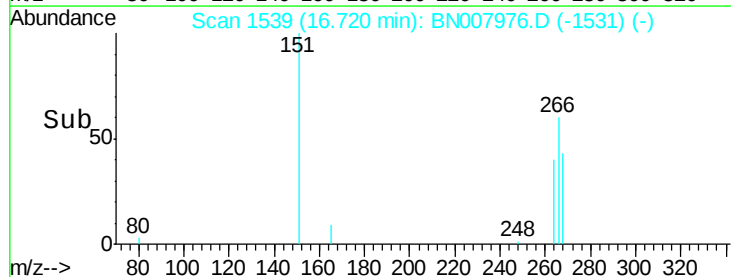
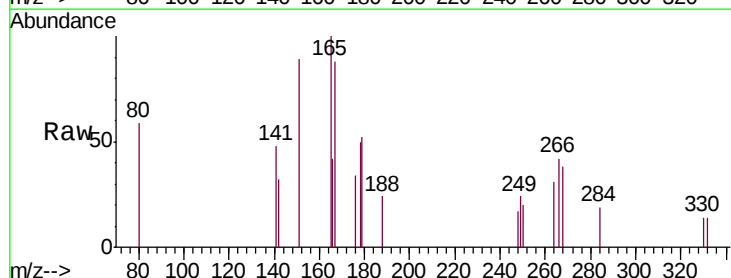
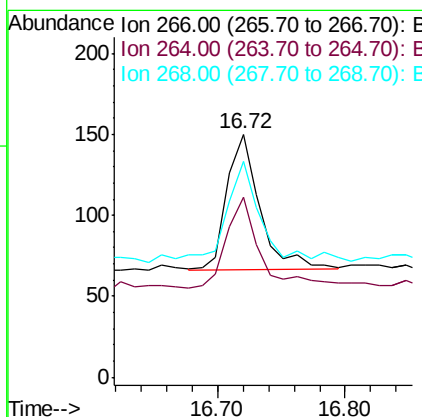
RT: 16.72 min Scan# 1539

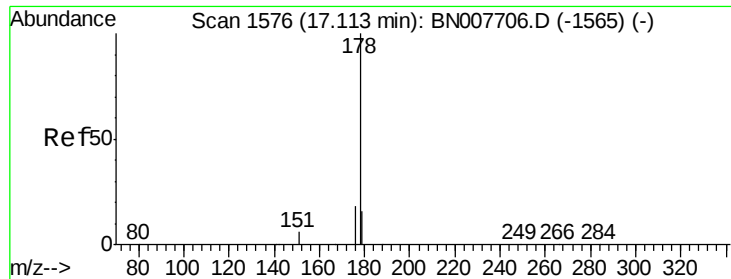
Delta R.T. -0.01 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

Tgt Ion:	266	Resp:	151
Ion Ratio	Lower	Upper	
266	100		
264	74.0	50.0	75.0
268	88.7	54.2	81.4#





#23

Phenanthrene

Concen: 0.811 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

Instrument :

BNA_N

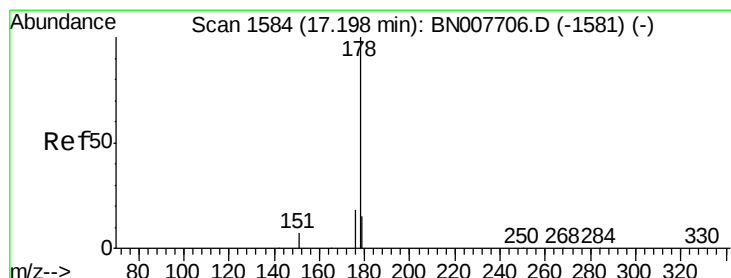
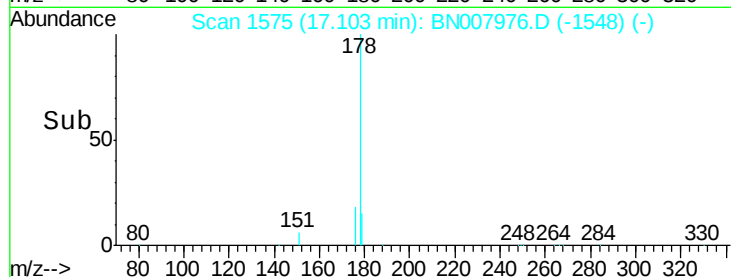
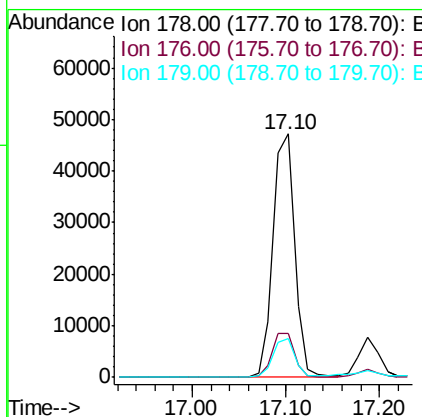
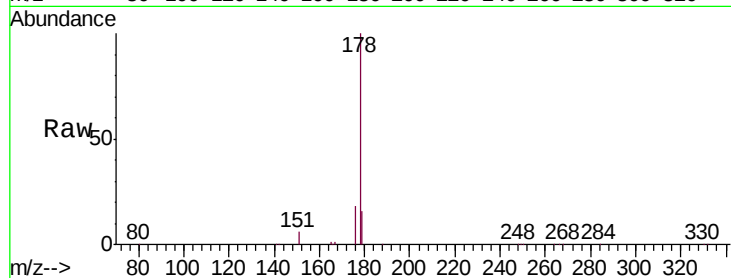
ClientSampleId :

PST-024-B272-092519

Tgt Ion:	178	Resp:	75212
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.9	22.3
179	15.4	12.5	18.7

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#24

Anthracene

Concen: 0.128 ng

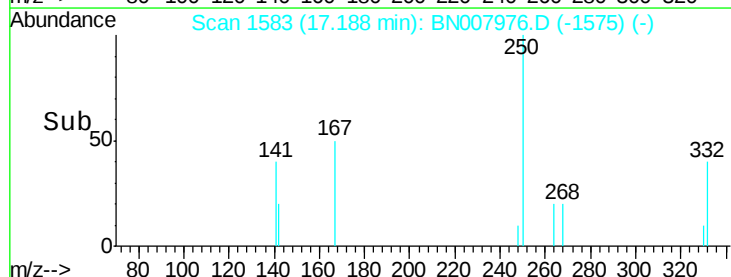
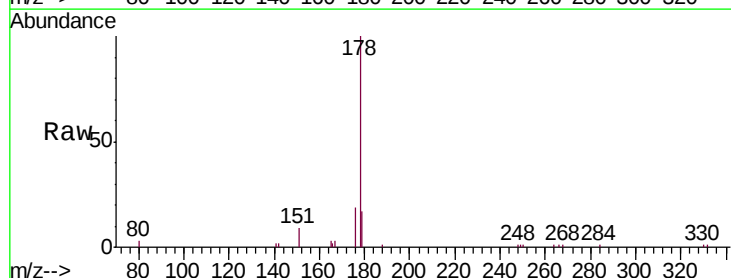
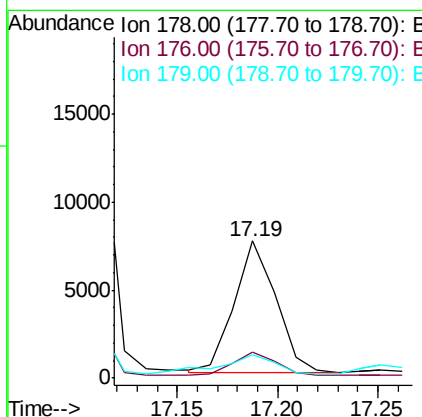
RT: 17.19 min Scan# 1583

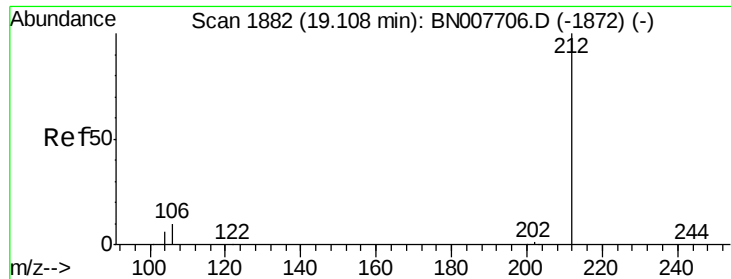
Delta R.T. -0.01 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

Tgt Ion:	178	Resp:	10749
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.6	21.8
179	19.9	12.2	18.4#





#25

Fluoranthene-d10

Concen: 0.253 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

Instrument :

BNA_N

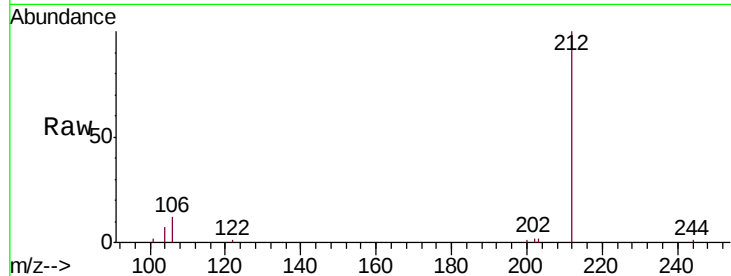
ClientSampleId :

PST-024-B272-092519

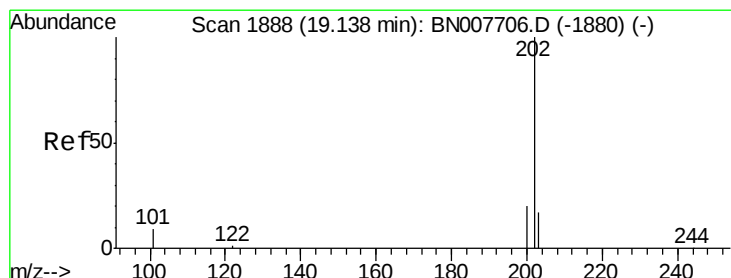
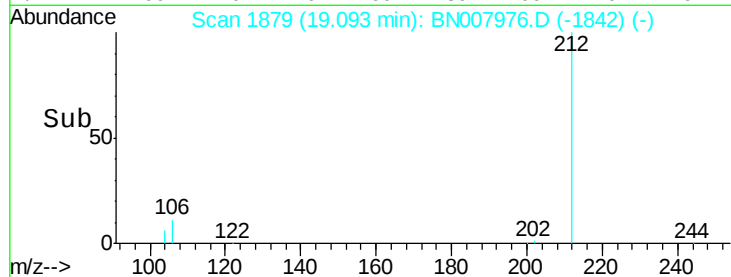
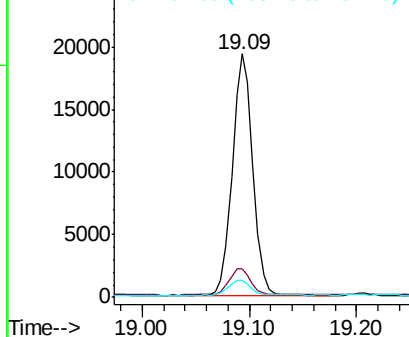
Tgt Ion:	212	Resp:	25362
Ion Ratio	Lower	Upper	
212	100		
106	11.4	9.4	14.0
104	6.6	5.3	7.9

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 1.811 ng

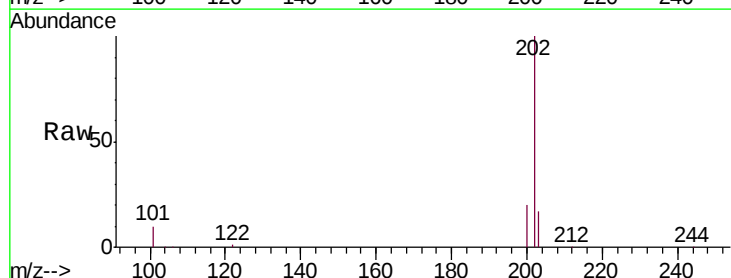
RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

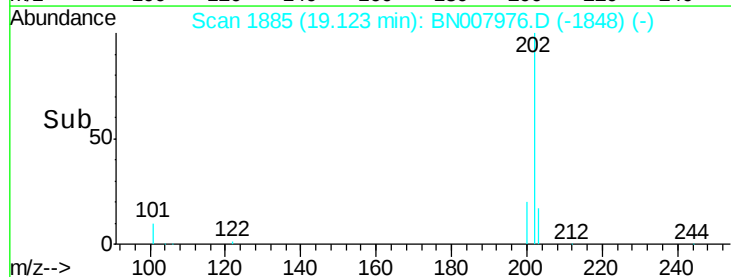
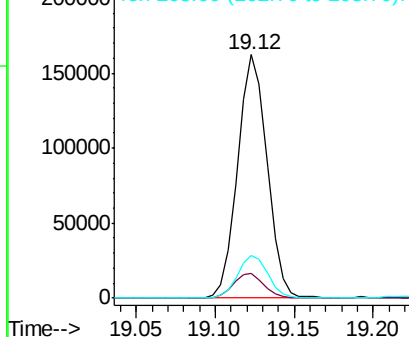
Lab File: BN007976.D

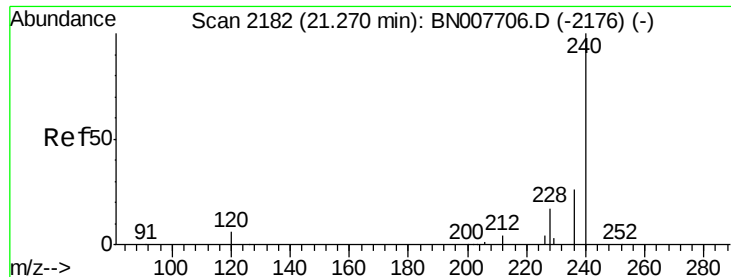
Acq: 02 Oct 2019 21:29

Tgt Ion:	202	Resp:	208870
Ion Ratio	Lower	Upper	
202	100		
101	10.3	8.4	12.6
203	17.4	13.8	20.8



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: 21.26 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

Instrument :

BNA_N

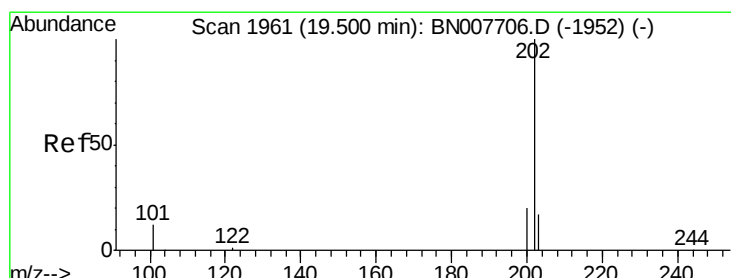
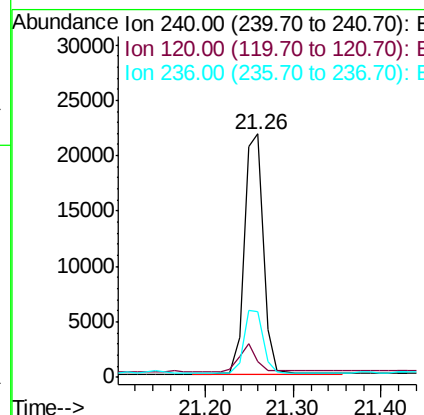
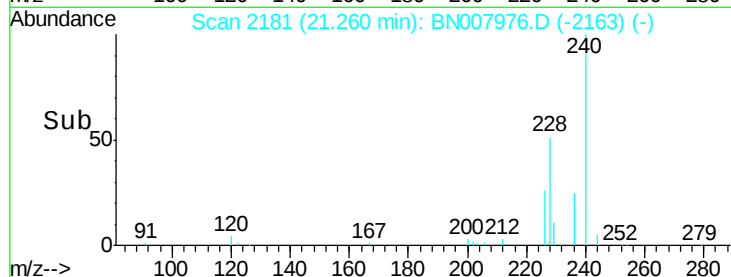
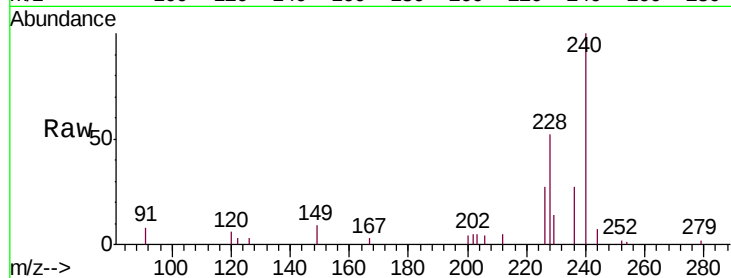
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.3	5.4	8.2
236	26.8	21.0	31.4

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#28

Pyrene

Concen: 1.644 ng

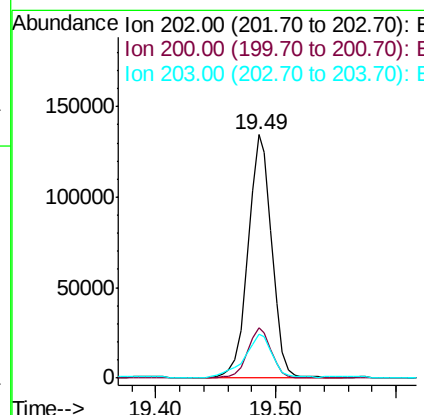
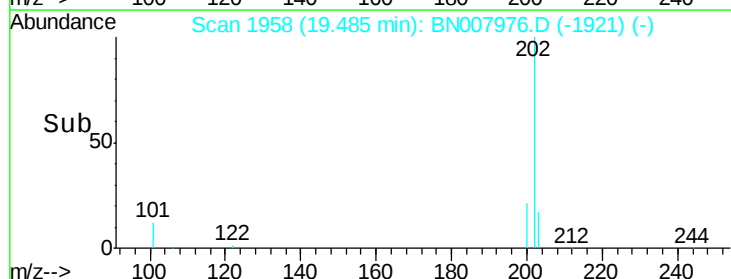
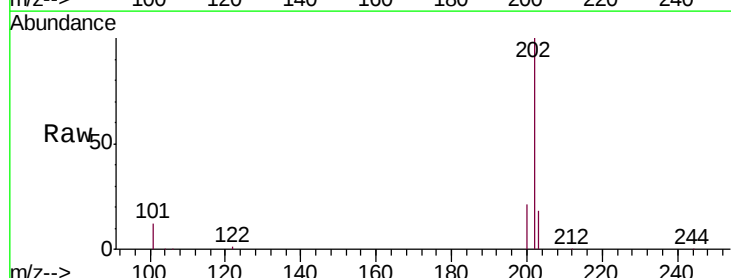
RT: 19.49 min Scan# 1958

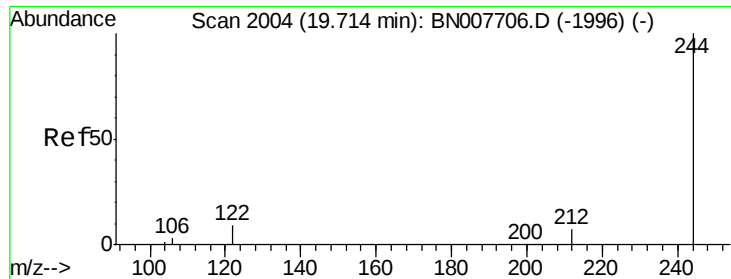
Delta R.T. -0.01 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	21.0	14.1	21.1





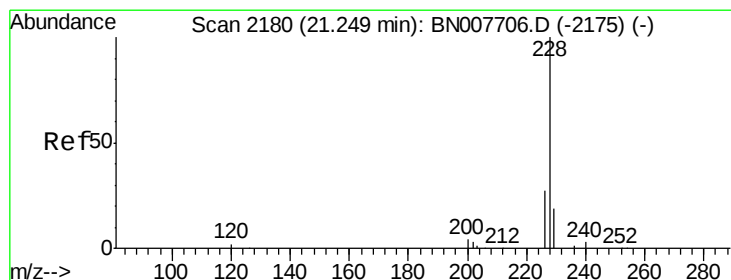
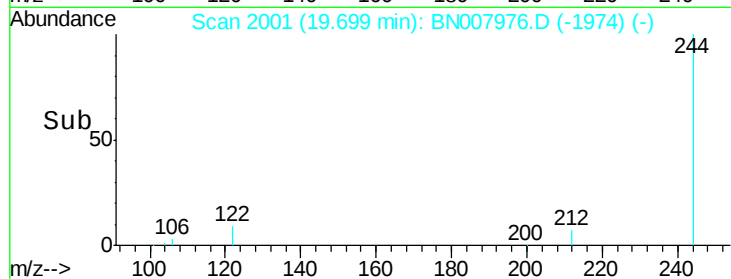
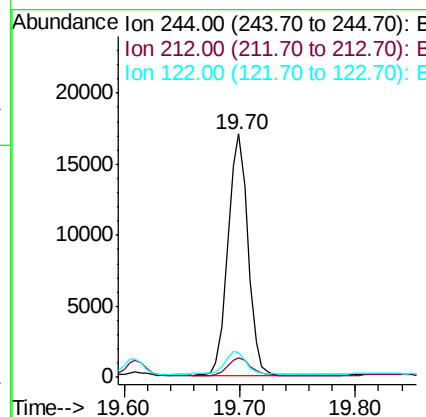
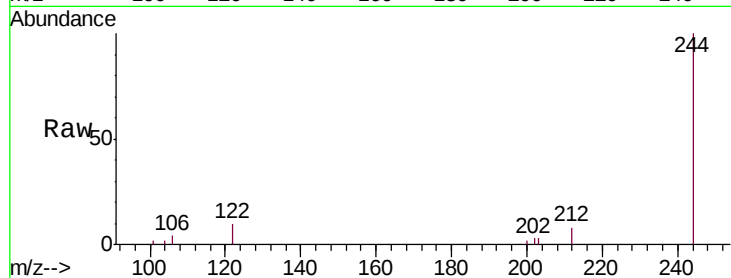
#29
 Terphenyl-d14
 Concen: 0.255 ng
 RT: 19.70 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BN007976.D
 Acq: 02 Oct 2019 21:29

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B272-092519

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.9	8.9
122	10.0	7.4	11.2

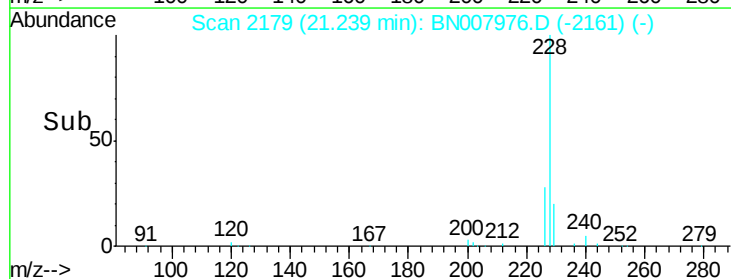
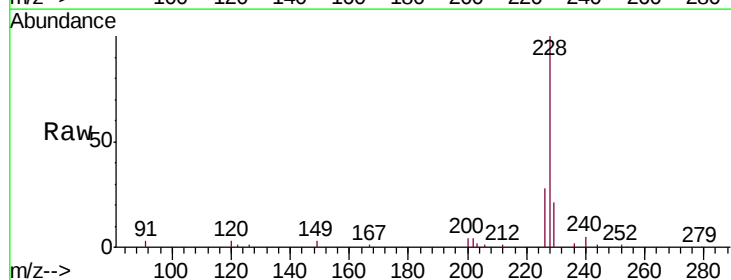
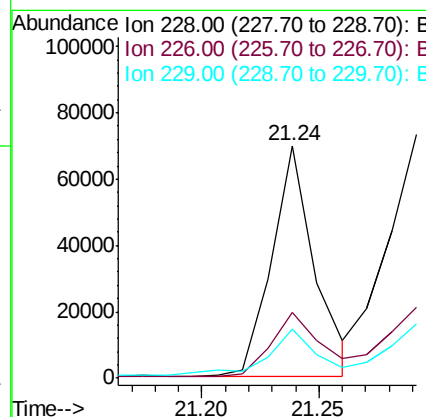
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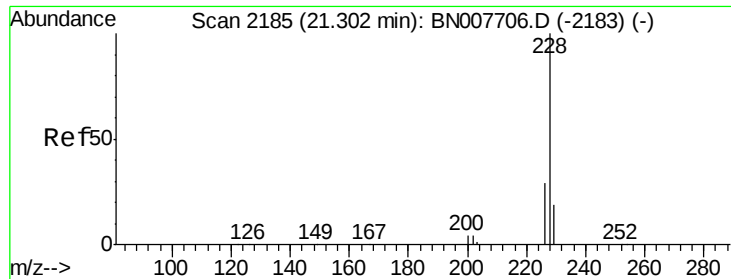
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#30
 Benzo(a)anthracene
 Concen: 0.744 ng
 RT: 21.24 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BN007976.D
 Acq: 02 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.1	33.1
229	21.1	15.8	23.6





#31

Chrysene

Concen: 0.890 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

Instrument :

BNA_N

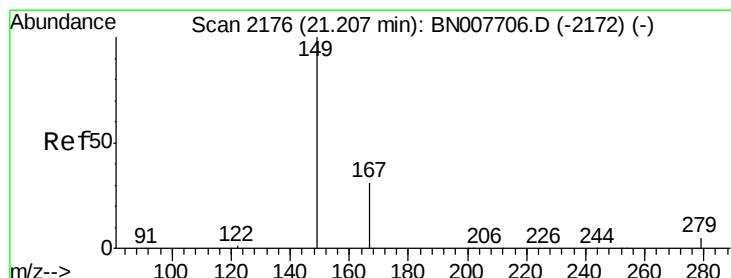
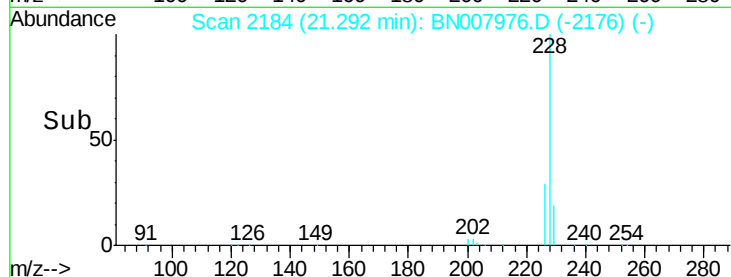
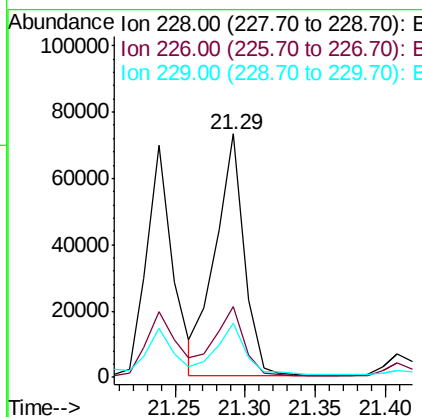
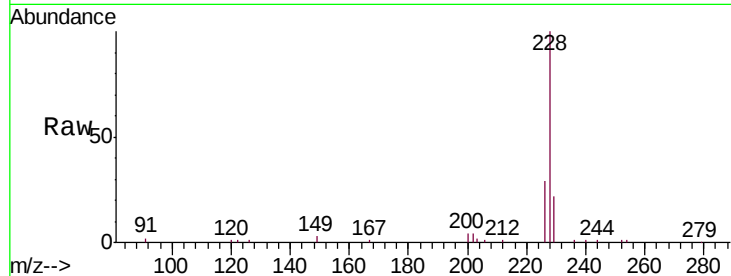
ClientSampleId :

PST-024-B272-092519

Tgt Ion:	228	Resp:	103574
Ion Ratio	Lower	Upper	
228	100		
226	29.0	23.9	35.9
229	22.1	15.8	23.6

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.135 ng

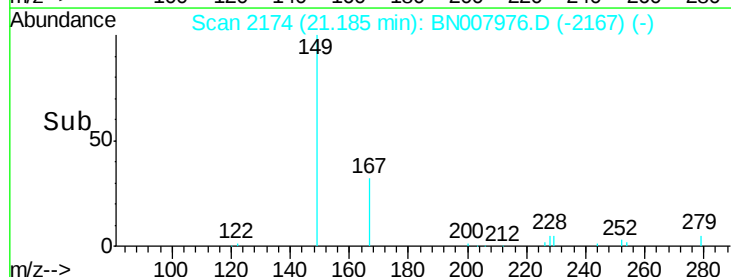
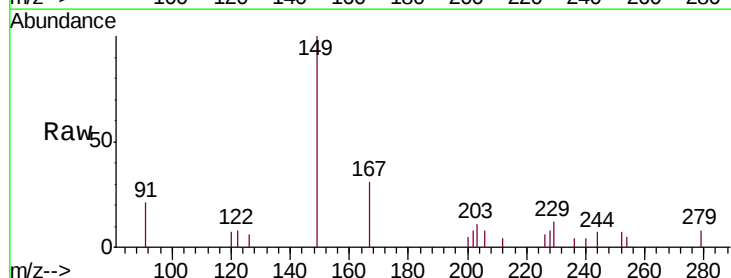
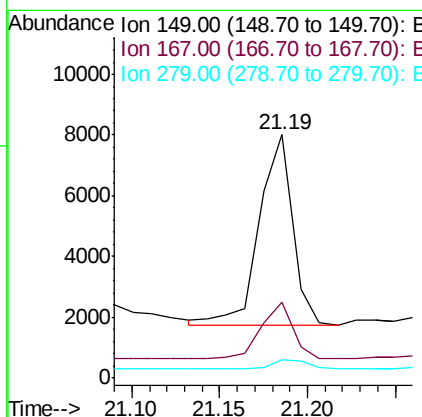
RT: 21.19 min Scan# 2174

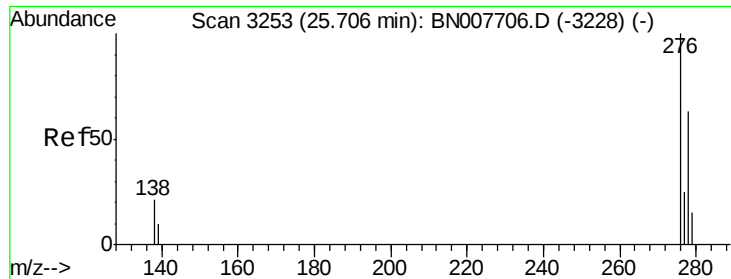
Delta R.T. -0.02 min

Lab File: BN007976.D

Acq: 02 Oct 2019 21:29

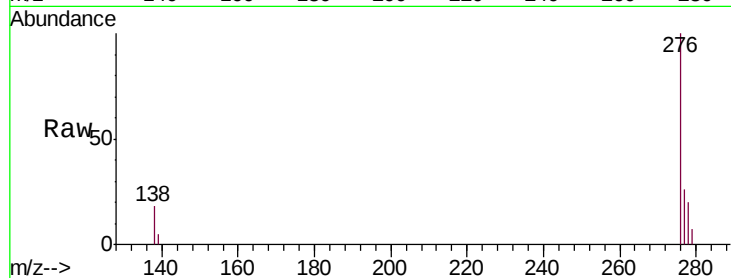
Tgt Ion:	149	Resp:	8277
Ion Ratio	Lower	Upper	
149	100		
167	28.5	23.7	35.5
279	6.0	4.2	6.2





#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.538 ng
 RT: 25.68 min Scan# 3245
 Delta R.T. -0.03 min
 Lab File: BN007976.D
 Acq: 02 Oct 2019 21:29

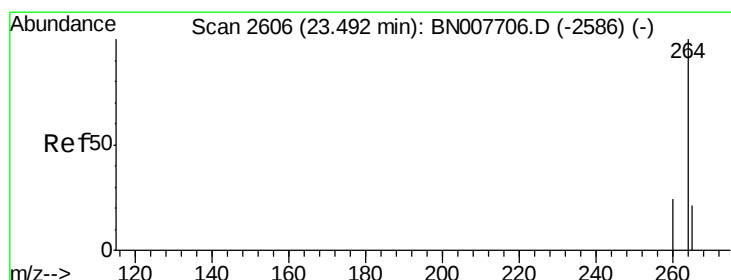
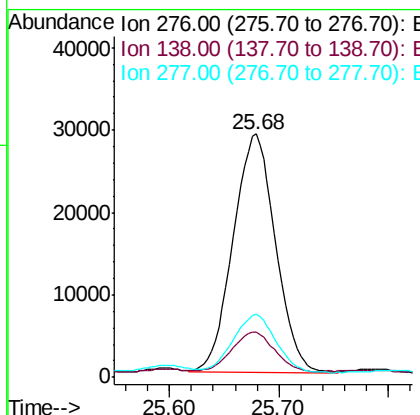
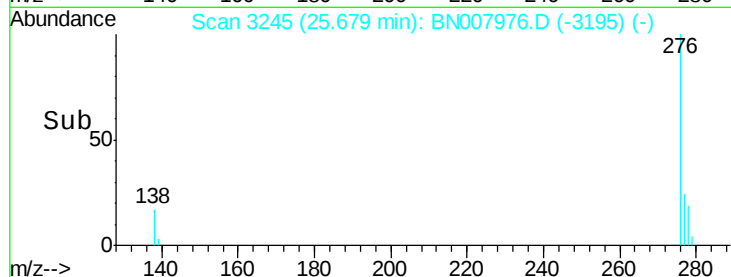
Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B272-092519



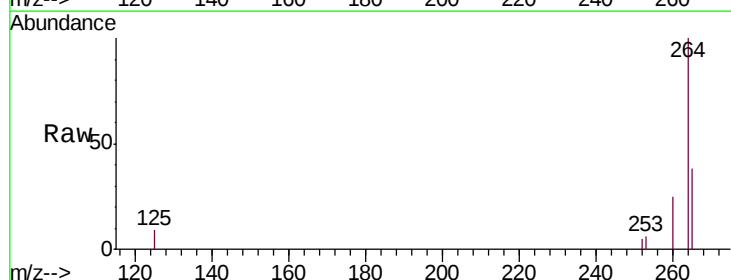
Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.4	17.1	25.7#
277	24.4	20.0	30.0

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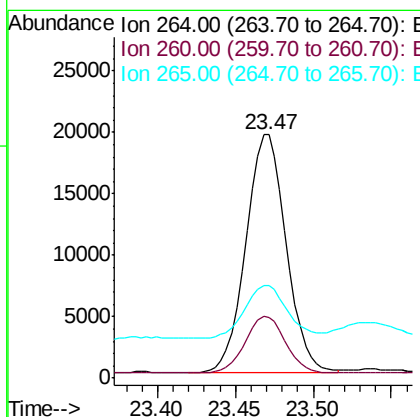
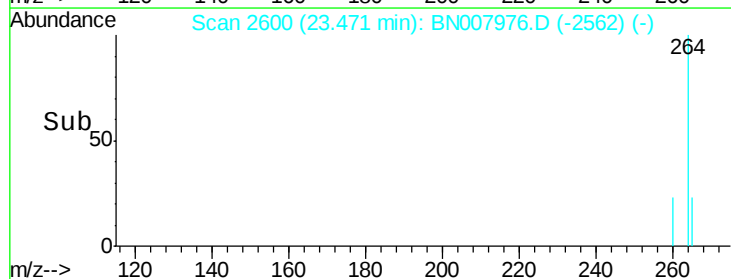
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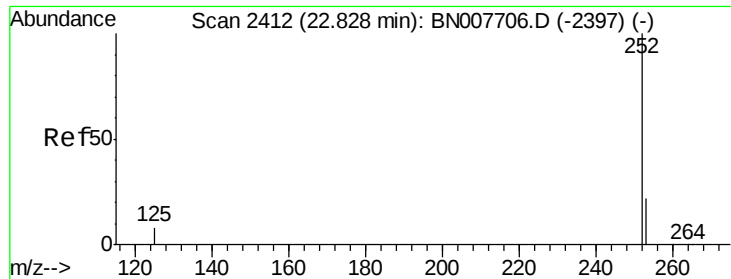


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2600
 Delta R.T. -0.02 min
 Lab File: BN007976.D
 Acq: 02 Oct 2019 21:29



Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.3	28.9
265	38.0	26.9	40.3





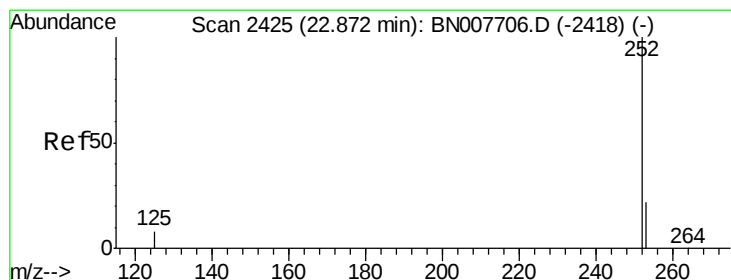
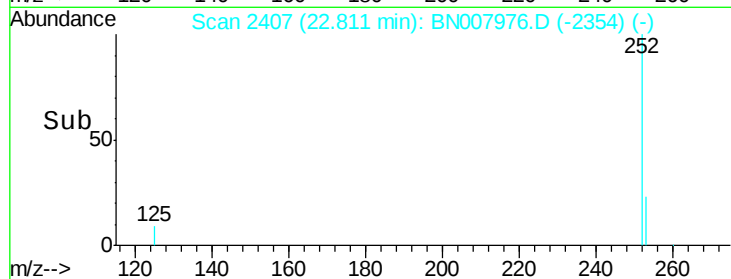
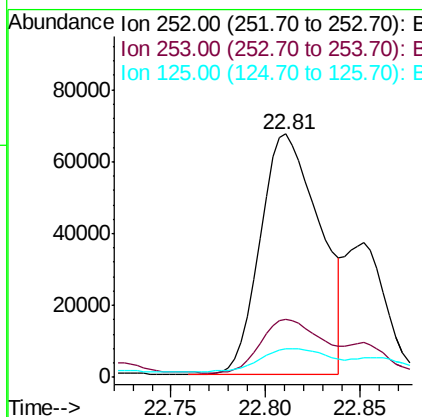
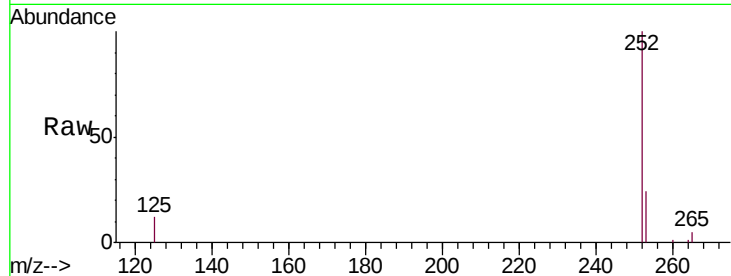
#35
Benzo(b)fluoranthene
Concen: 1.202 ng
RT: 22.81 min Scan# 2407
Delta R.T. -0.02 min
Lab File: BN007976.D
Acq: 02 Oct 2019 21:29

Instrument :
BNA_N
ClientSampleId :
PST-024-B272-092519

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	145693		
253	24.0	18.3	27.5	
125	11.5	8.2	12.4	

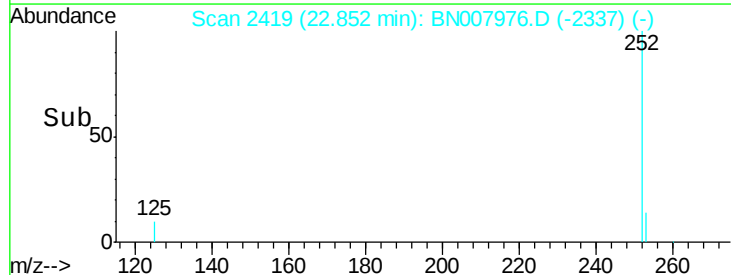
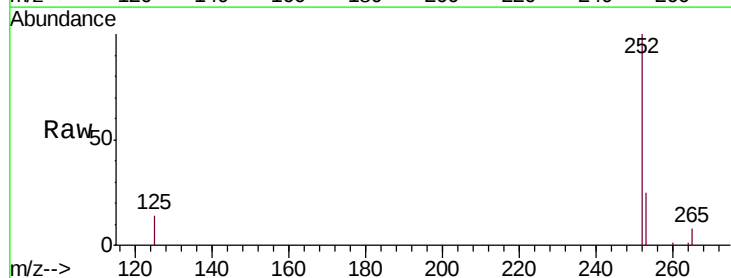
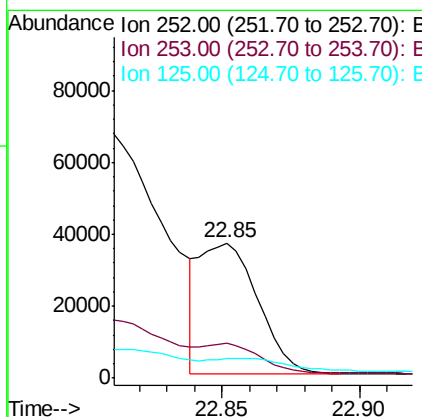
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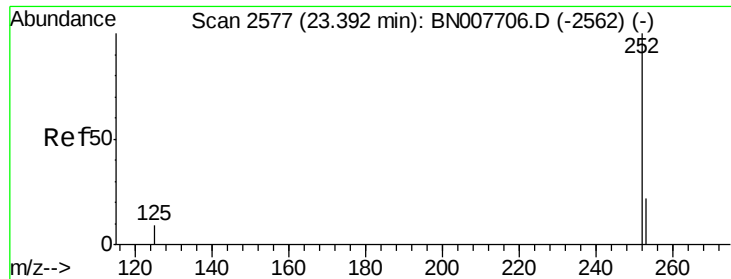
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#36
Benzo(k)fluoranthene
Concen: 0.449 ng m
RT: 22.85 min Scan# 2419
Delta R.T. -0.02 min
Lab File: BN007976.D
Acq: 02 Oct 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	53749		
253	25.4	18.5	27.7	
125	14.4	8.4	12.6#	





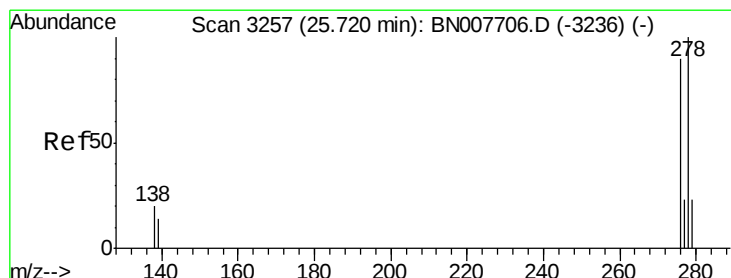
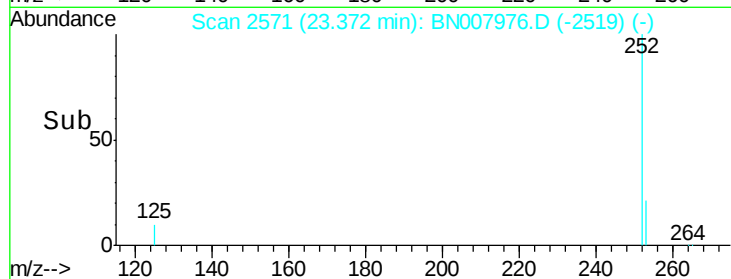
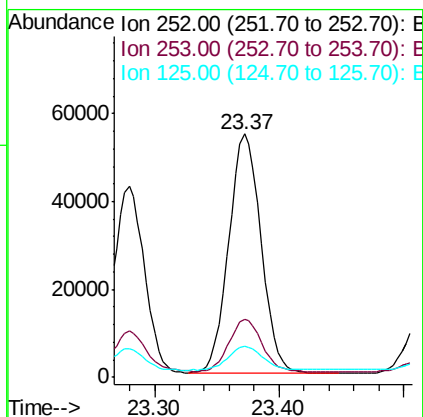
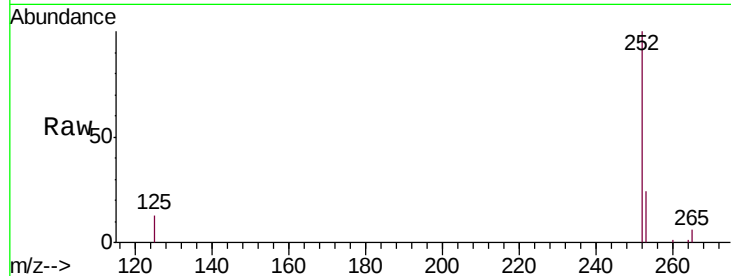
#37
Benzo(a)pyrene
Concen: 0.860 ng
RT: 23.37 min Scan# 2571
Delta R.T. -0.02 min
Lab File: BN007976.D
Acq: 02 Oct 2019 21:29

Instrument :
BNA_N
ClientSampleId :
PST-024-B272-092519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.6	27.8
125	12.5	9.4	14.0

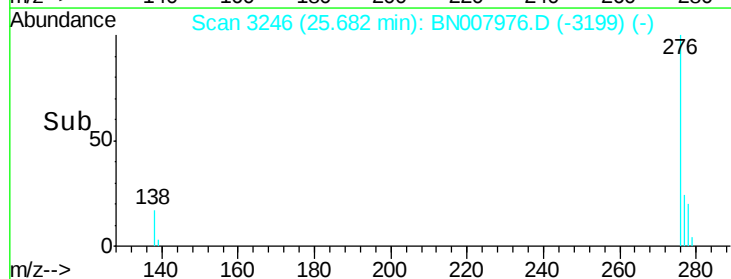
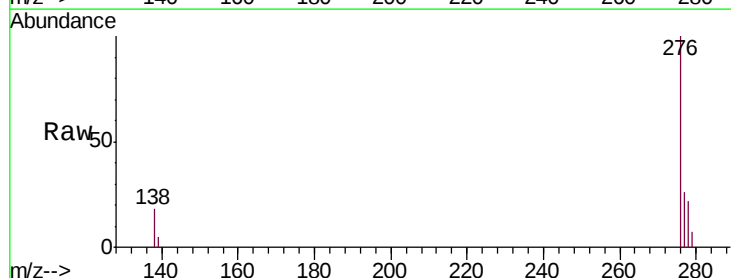
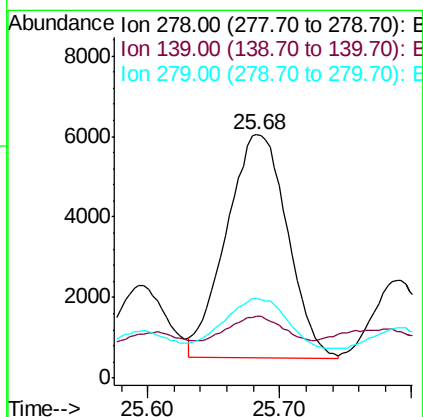
Manual Integrations
APPROVED

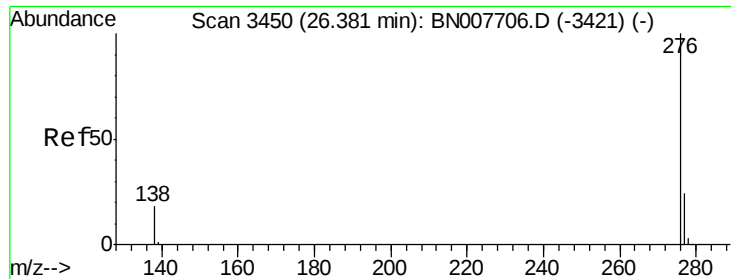
mohammad
10/4/2019 8:16:47 AM



#38
Dibenzo(a,h)anthracene
Concen: 0.153 ng
RT: 25.68 min Scan# 3246
Delta R.T. -0.04 min
Lab File: BN007976.D
Acq: 02 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.4	11.8	17.6#
279	32.6	19.4	29.2#





#39

Benzo(g,h,i)perylene

Concen: 0.673 ng

RT: 26.35 min Scan# 3441

Delta R.T. -0.03 min

Lab File: BN007976.D

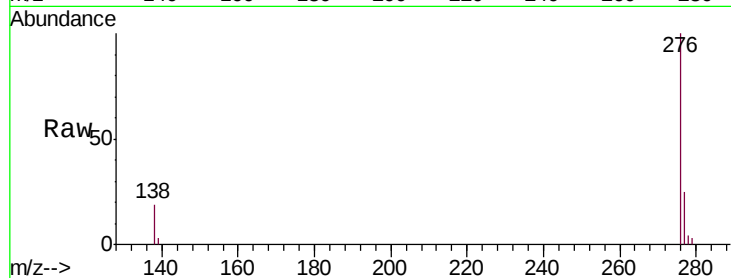
Acq: 02 Oct 2019 21:29

Instrument :

BNA_N

ClientSampleId :

PST-024-B272-092519



Tgt	Ion	276	Resp:	77628
Ion	Ratio	100	Lower	Upper
276	100			
277	25.4	19.8	29.8	
138	19.2	15.1	22.7	

Manual Integrations
APPROVED

mohammad
10/4/2019 8:16:47 AM

