

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
 Data File : BN007975.D
 Acq On : 02 Oct 2019 20:53
 Operator : JU
 Sample : K5077-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B271-092519

Manual Integrations
 APPROVED

mohammad
 10/4/2019 8:16:45 AM

Quant Time: Oct 03 07:15:31 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	5365	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	22305	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	14062	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	29972	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	31801	0.40	ng	-0.02
34) Perylene-d12	23.47	264	33838	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	4018	0.22	ng	0.00
5) Phenol-d6	6.87	99	5532	0.24	ng	0.00
8) Nitrobenzene-d5	8.82	82	4601	0.24	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	8486	0.23	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	1581	0.21	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	11325	0.20	ng	-0.01
25) Fluoranthene-d10	19.09	212	19457	0.19	ng	-0.02
29) Terphenyl-d14	19.70	244	15282	0.20	ng	-0.02

Target Compounds

						Qvalue
16) Acenaphthylene	14.03	152	3348	0.045	ng	98
17) Acenaphthene	14.37	154	1393	0.029	ng	93
18) Fluorene	15.36	166	2089	0.034	ng	96
23) Phenanthrene	17.10	178	74596	0.799	ng	100
24) Anthracene	17.19	178	7951	0.094	ng	97
26) Fluoranthene	19.12	202	182048	1.568	ng	99
28) Pyrene	19.48	202	142155	1.311	ng	# 96
30) Benzo(a)anthracene	21.24	228	69229	0.591	ng	98
31) Chrysene	21.29	228	73736	0.646	ng	97
32) Bis(2-ethylhexyl)phthalate	21.19	149	17345	0.288	ng	99
33) Indeno(1,2,3-cd)pyrene	25.68	276	47860	0.335	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	100120	0.852	ng	96
36) Benzo(k)fluoranthene	22.85	252	33945m	0.292	ng	
37) Benzo(a)pyrene	23.37	252	61877	0.561	ng	# 95
38) Dibenzo(a,h)anthracene	25.68	278	11304	0.100	ng	# 72
39) Benzo(g,h,i)perylene	26.35	276	45584	0.408	ng	98

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

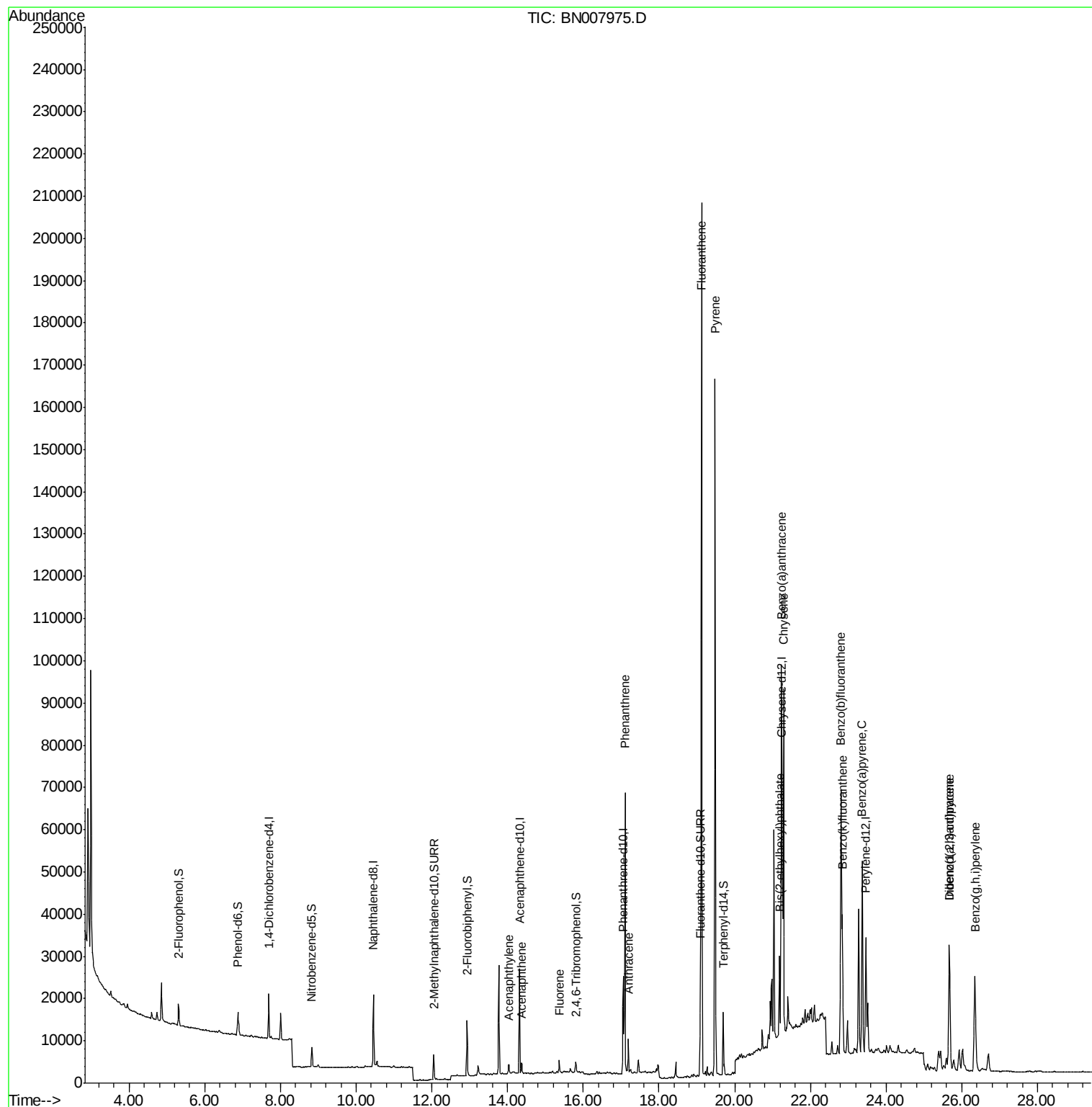
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
Data File : BN007975.D
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Misc :
ALS Vial : 11 Sample Multiplier: 1

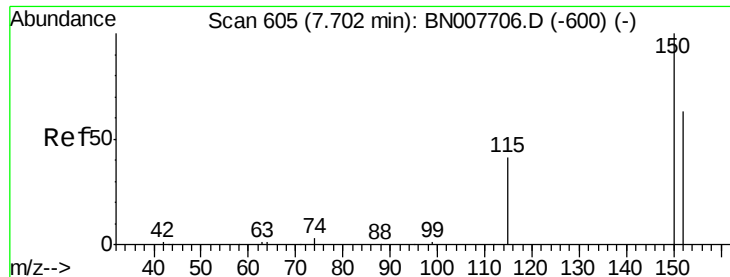
Instrument :
BNA_N
ClientSampleId :
PST-024-B271-092519

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#1

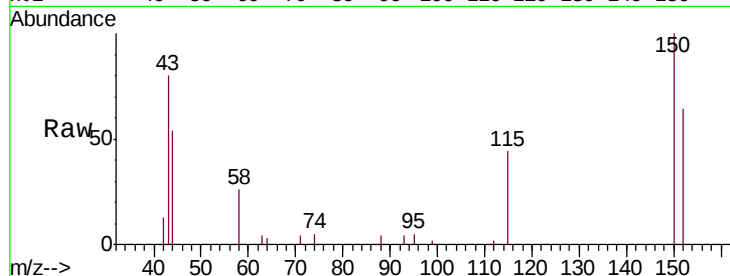
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Instrument :
BNA_N
ClientSampleId :
PST-024-B271-092519

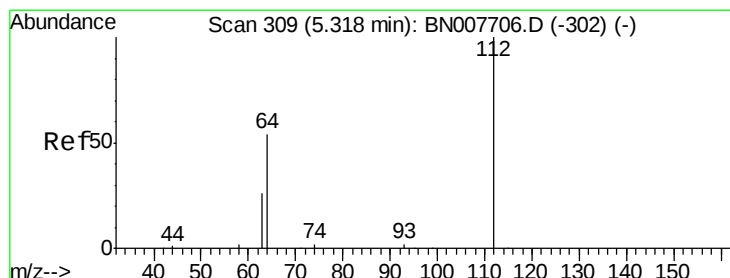
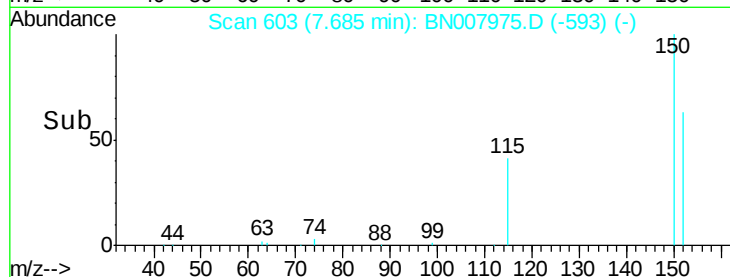
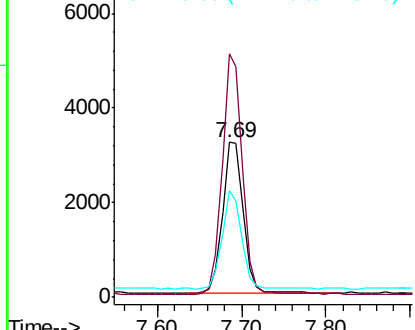
Tgt	Ion	Ratio	Lower	Upper
152	100			
150	157.3	125.6	188.4	
115	68.7	53.3	79.9	

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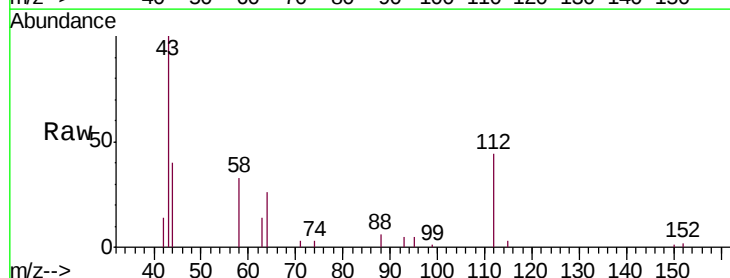
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



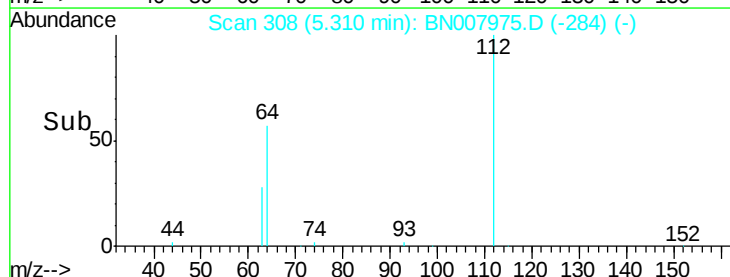
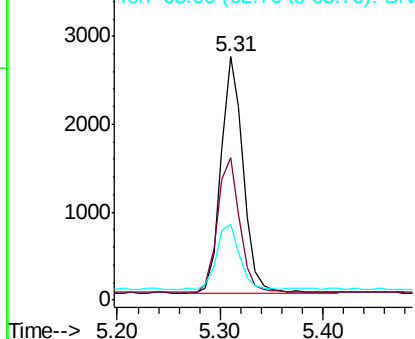
#4

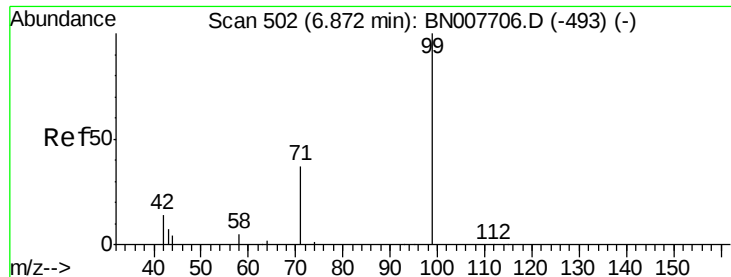
2-Fluorophenol
Concen: 0.218 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Tgt	Ion	Ratio	Lower	Upper
112	100			
64	57.7	46.6	70.0	
63	28.8	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: 0.238 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007975.D

Acq: 02 Oct 2019 20:53

Instrument :

BNA_N

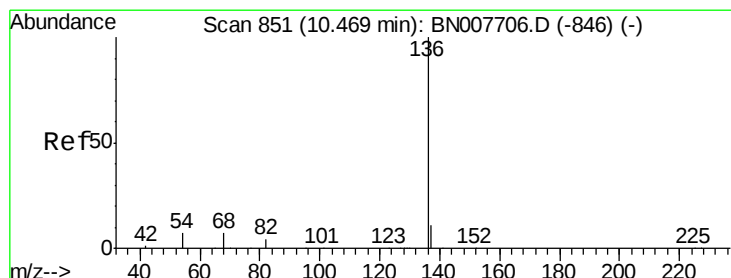
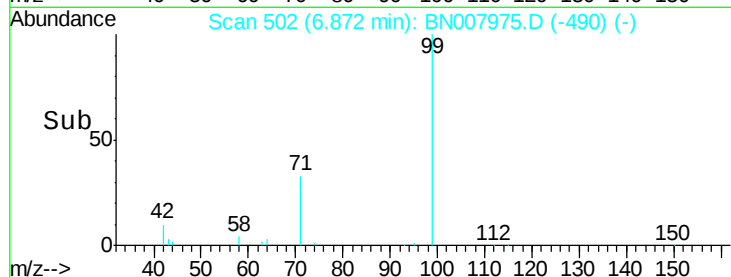
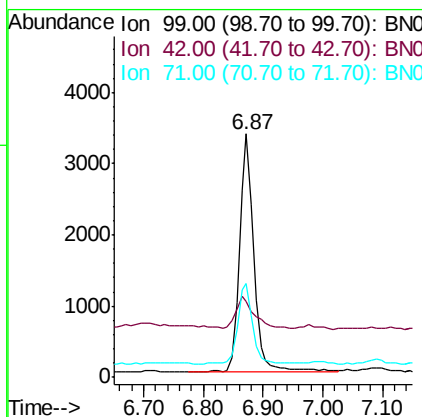
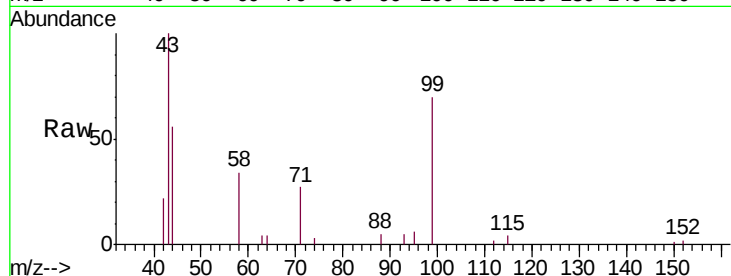
ClientSampleId :

PST-024-B271-092519

Tgt Ion:	99	Resp:	5532
Ion	Ratio	Lower	Upper
99	100		
42	17.2	12.8	19.2
71	34.3	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

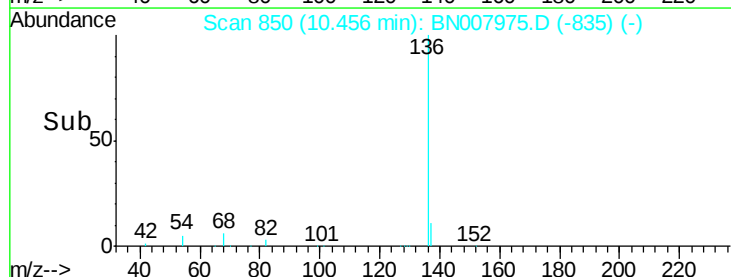
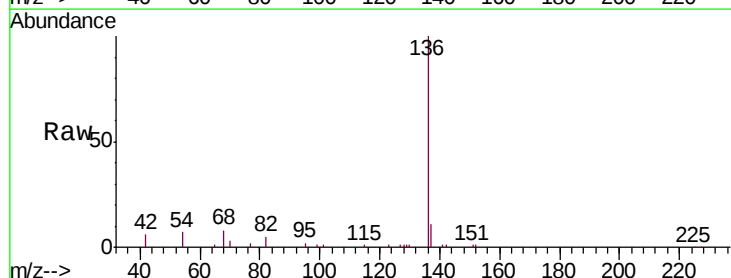
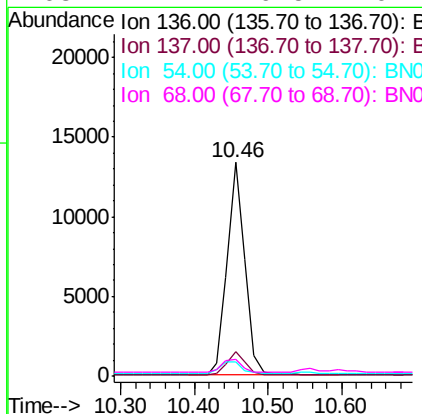
RT: 10.46 min Scan# 850

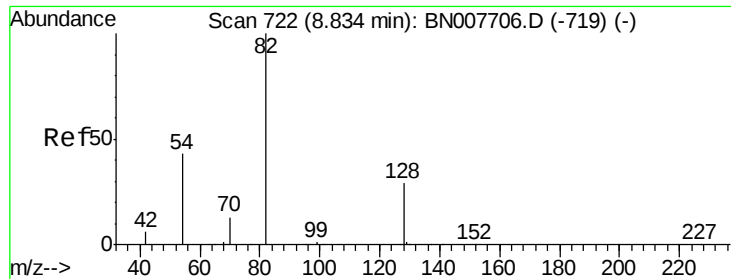
Delta R.T. -0.01 min

Lab File: BN007975.D

Acq: 02 Oct 2019 20:53

Tgt Ion:	136	Resp:	22305
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	6.5	5.8	8.8
68	7.7	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.236 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007975.D

Acq: 02 Oct 2019 20:53

Instrument :

BNA_N

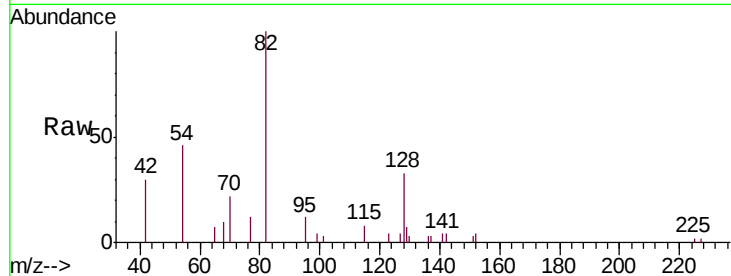
ClientSampleId :

PST-024-B271-092519

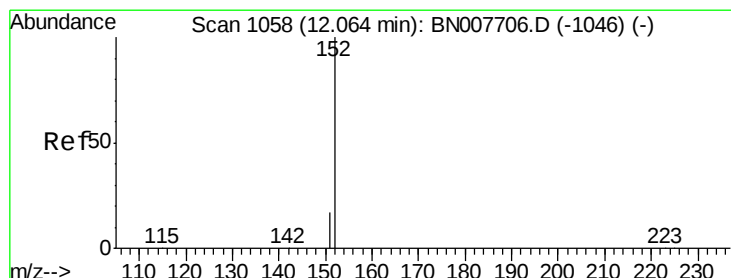
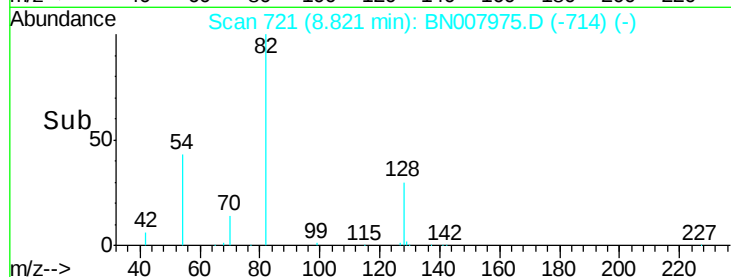
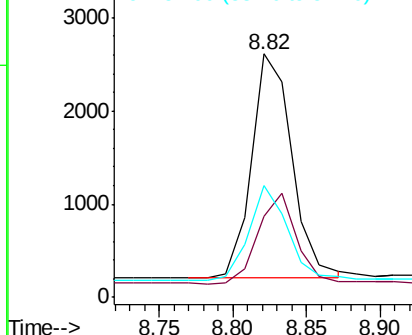
Tgt Ion:	82	Resp:	4601
Ion Ratio	Lower	Upper	
82	100		
128	33.3	24.5	36.7
54	46.0	35.2	52.8

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Abundance Ion 82.00 (81.70 to 82.70): BN0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BN0



#11

2-Methylnaphthalene-d10

Concen: 0.226 ng

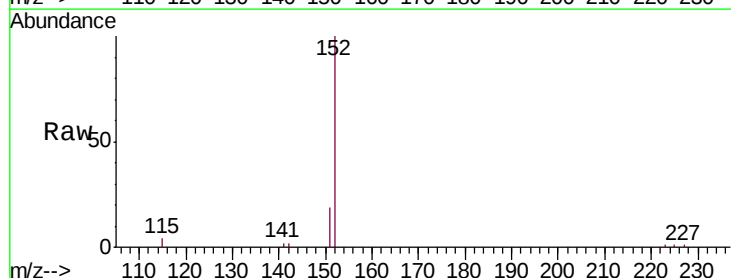
RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

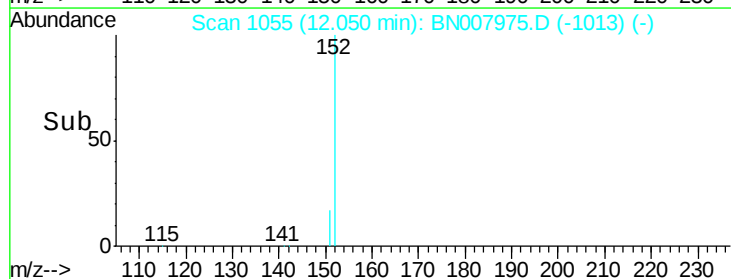
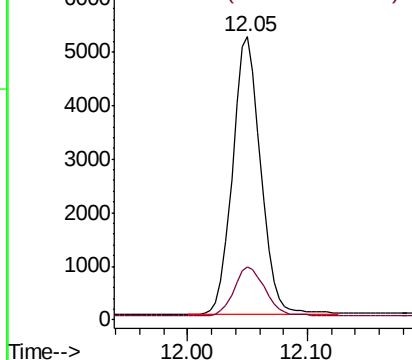
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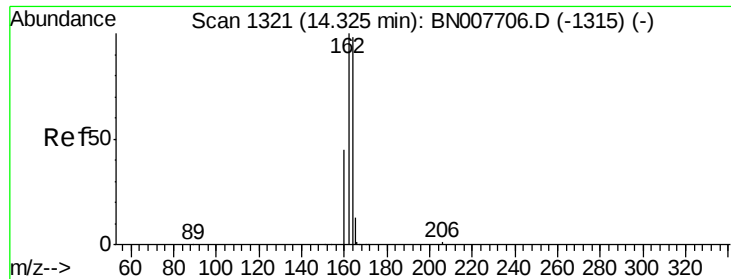
Acq: 02 Oct 2019 20:53

Tgt Ion:	152	Resp:	8486
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.4	23.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





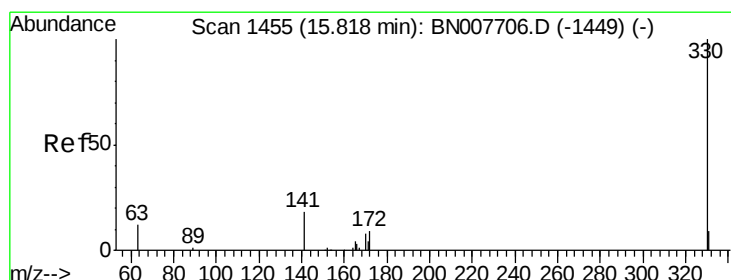
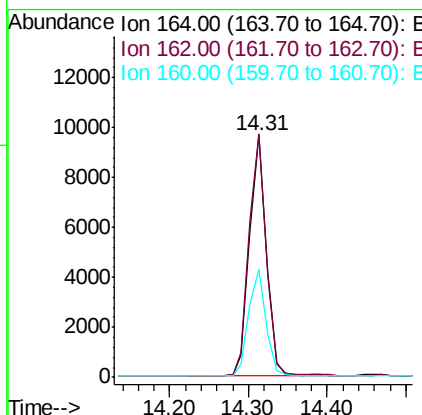
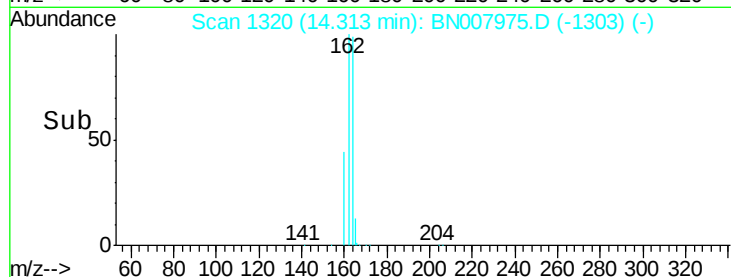
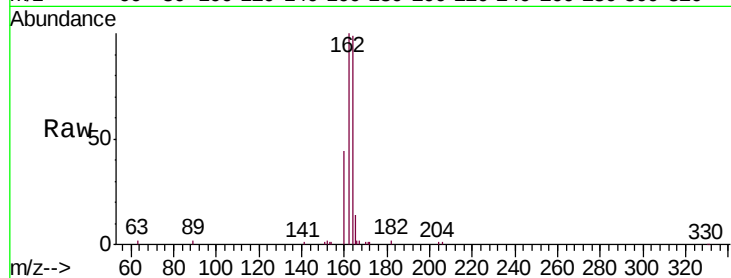
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Instrument :
BNA_N
ClientSampleId :
PST-024-B271-092519

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.7	122.5
160	44.6	37.0	55.4

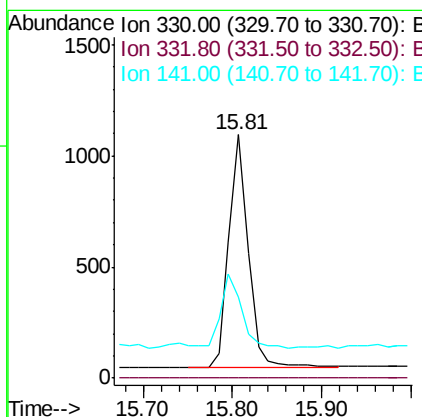
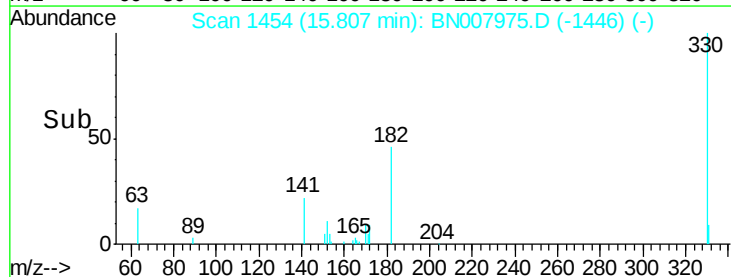
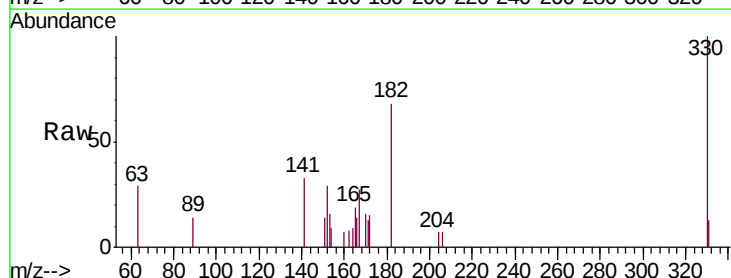
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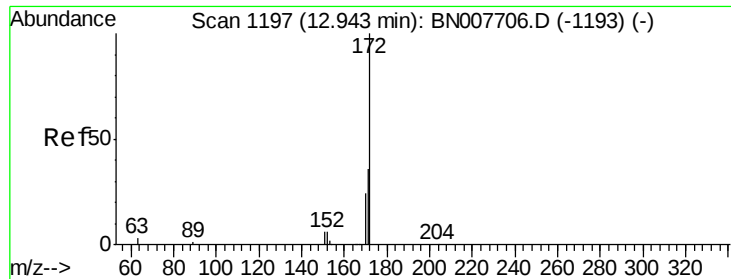
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#14
2,4,6-Tribromophenol
Concen: 0.206 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.7	28.7	43.1





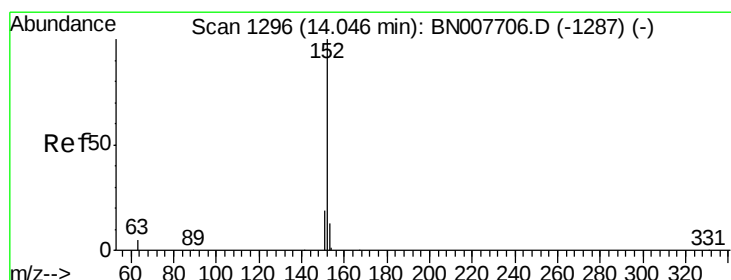
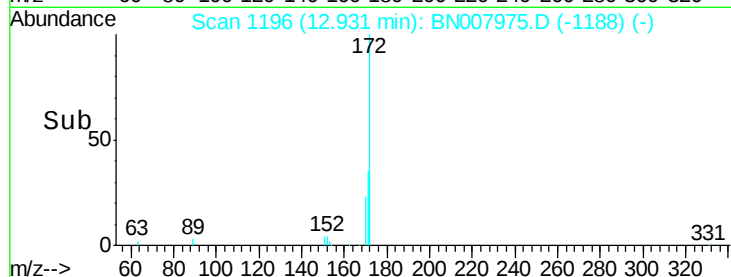
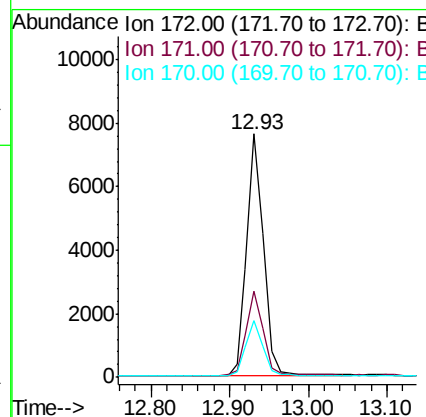
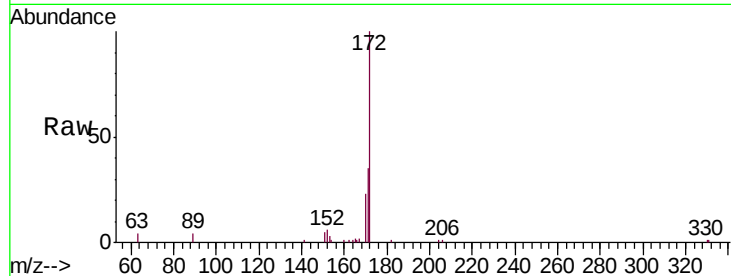
#15
2-Fluorobiphenyl
Concen: 0.196 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Instrument :
BNA_N
ClientSampleId :
PST-024-B271-092519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.8	43.2
170	23.4	19.5	29.3

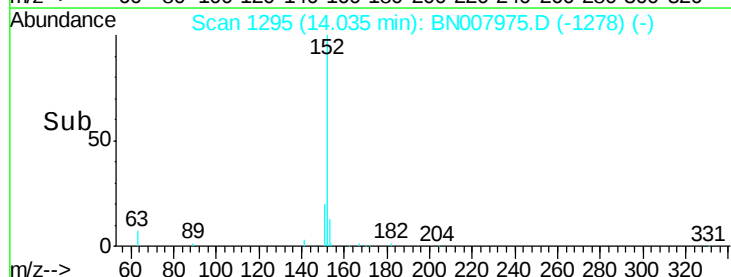
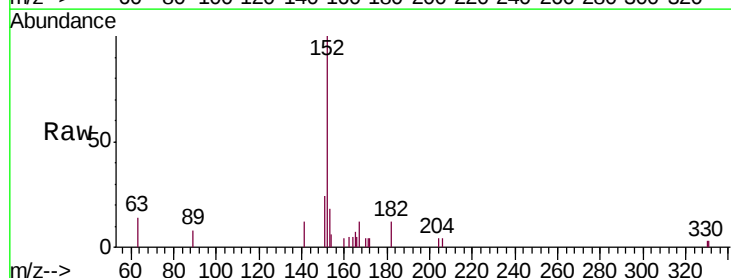
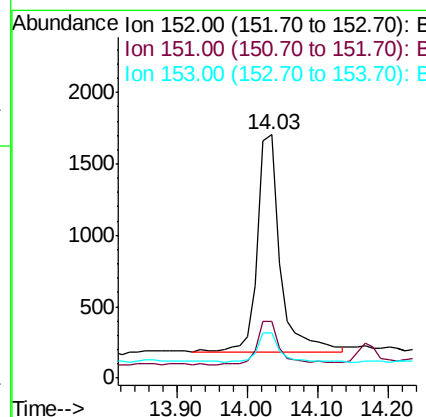
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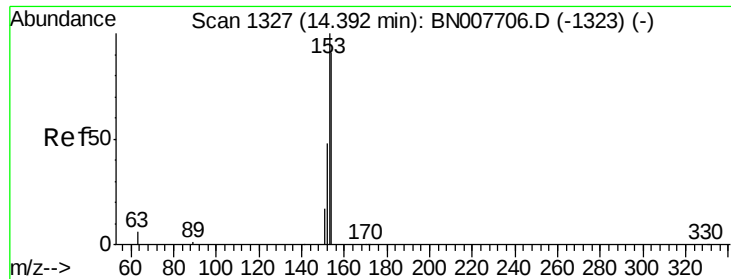
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#16
Acenaphthylene
Concen: 0.045 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

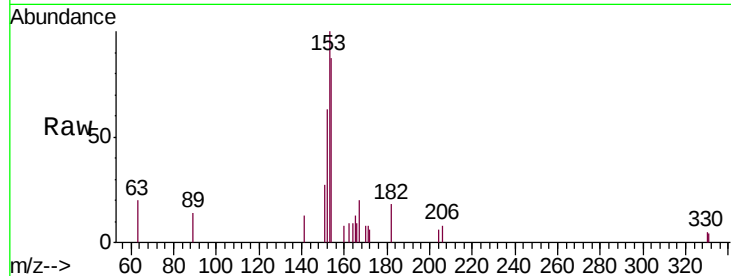
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.5	23.3
153	13.5	10.4	15.6





#17
Acenaphthene
Concen: 0.029 ng
RT: 14.37 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

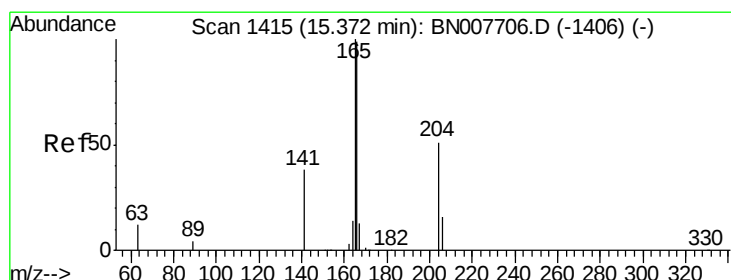
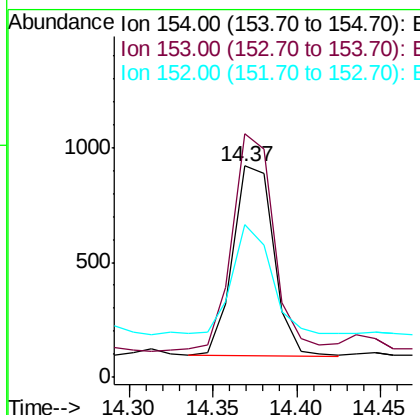
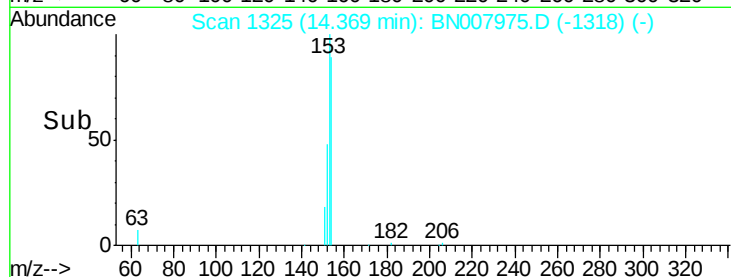
Instrument :
BNA_N
ClientSampleId :
PST-024-B271-092519



Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.5	87.0	130.4
152	57.9	42.7	64.1

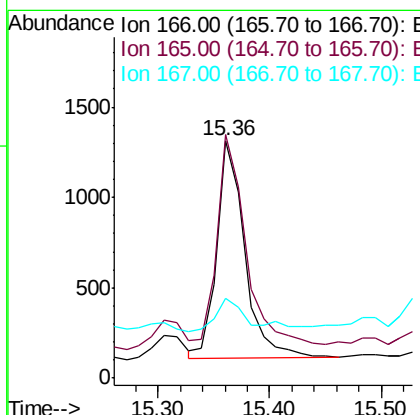
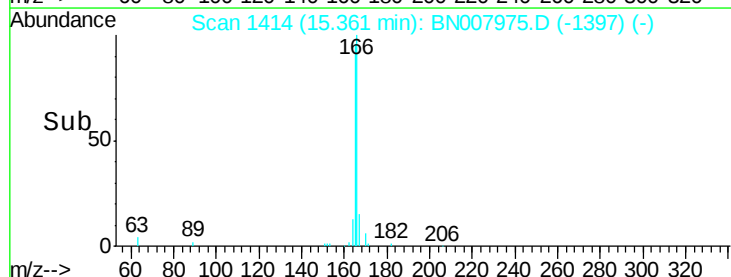
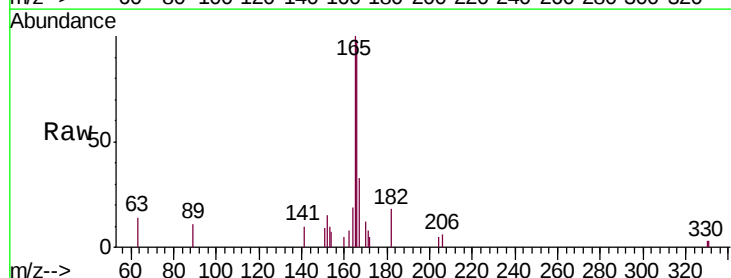
Manual Integrations
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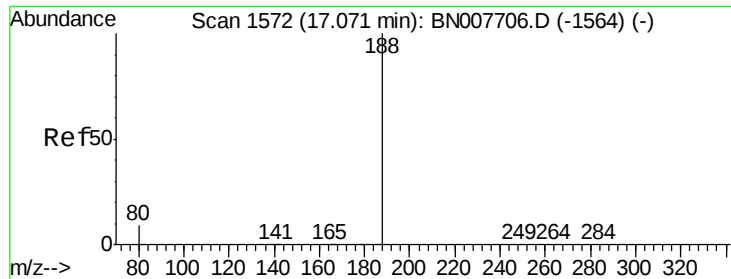
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#18
Fluorene
Concen: 0.034 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.5	78.0	117.0
167	14.7	10.9	16.3





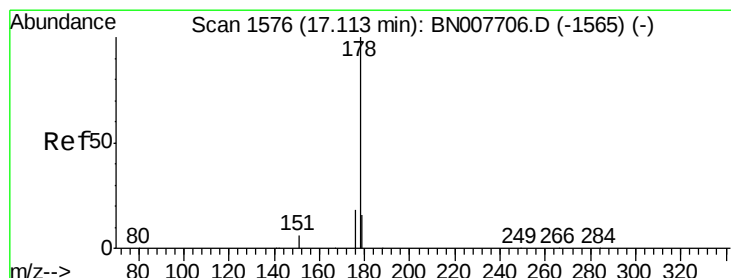
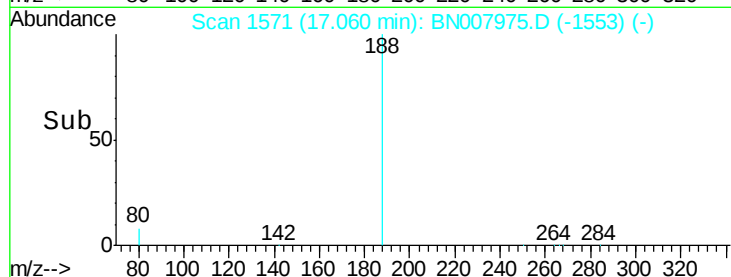
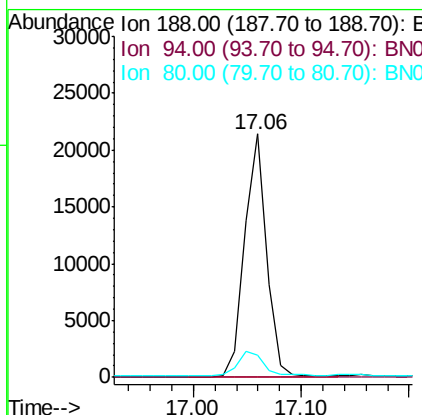
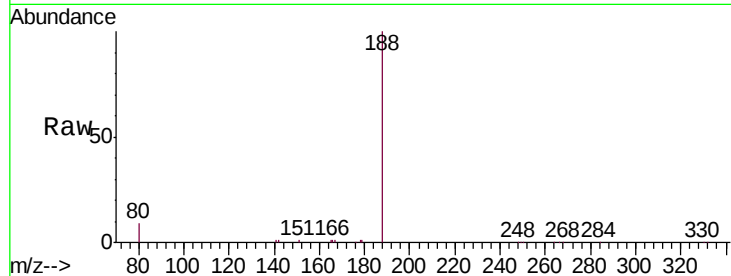
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Instrument :
BNA_N
ClientSampleId :
PST-024-B271-092519

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	29972		
94	0.0	0.0	0.0	0.0
80	8.9	7.4	11.2	

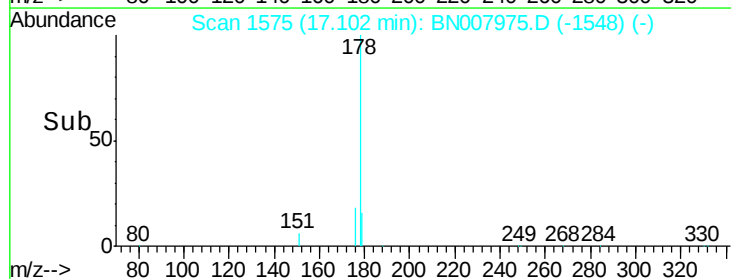
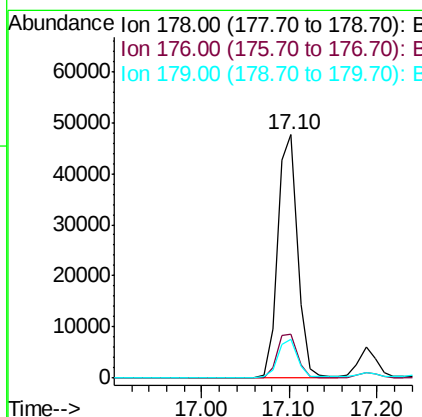
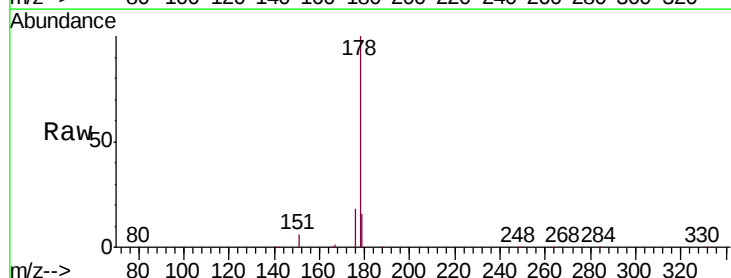
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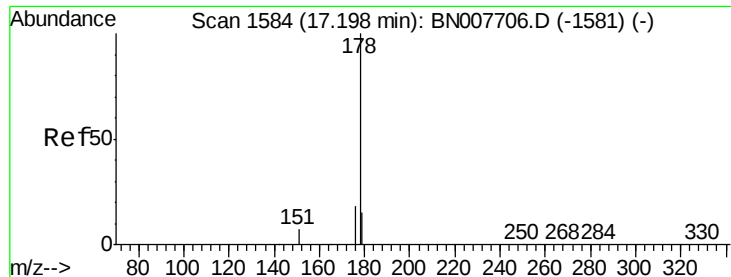
mohammad
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#23
Phenanthrene
Concen: 0.799 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	74596		
176	18.5	14.9	22.3	
179	15.4	12.5	18.7	





#24

Anthracene

Concen: 0.094 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007975.D

Acq: 02 Oct 2019 20:53

Instrument :

BNA_N

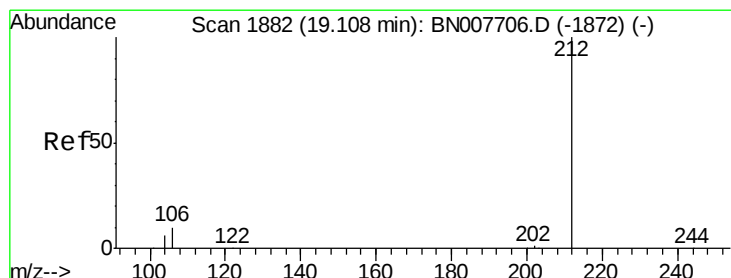
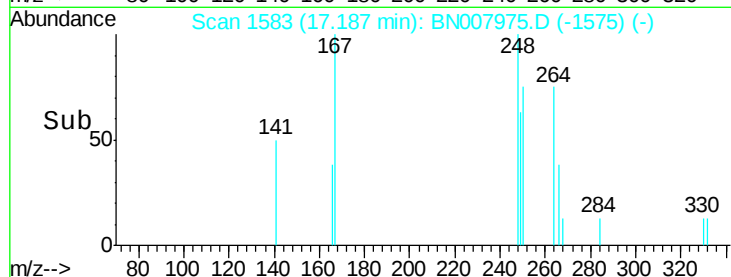
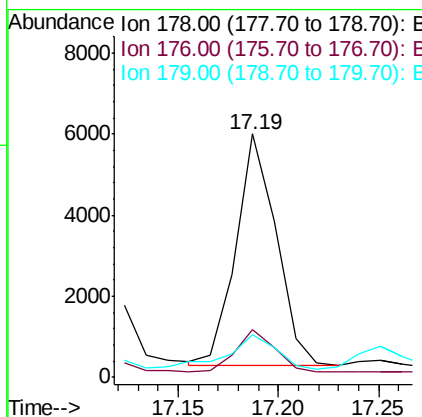
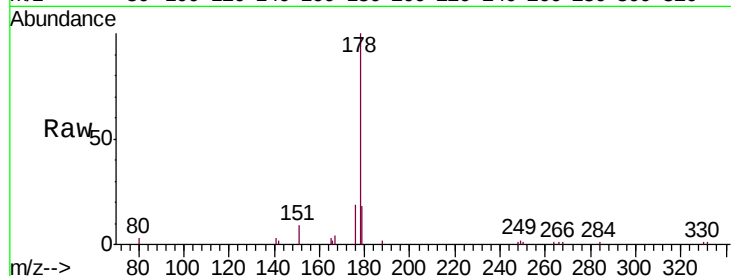
ClientSampleId :

PST-024-B271-092519

Tgt Ion:	178	Resp:	7951
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.6	21.8
179	17.7	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.193 ng

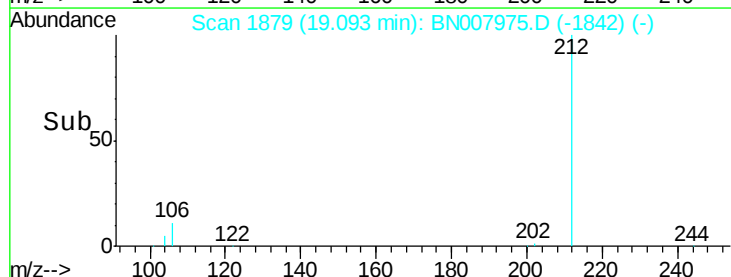
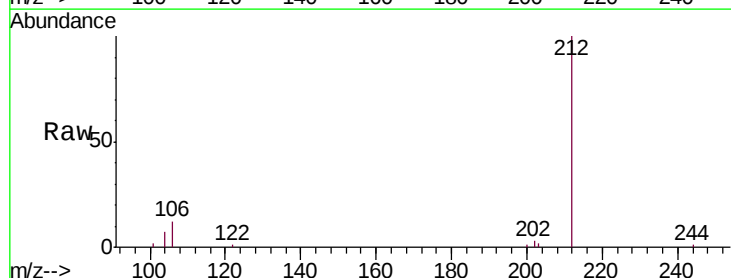
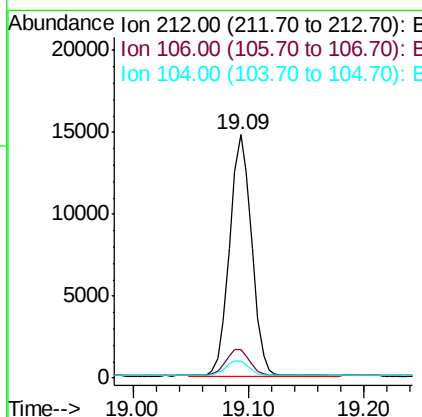
RT: 19.09 min Scan# 1879

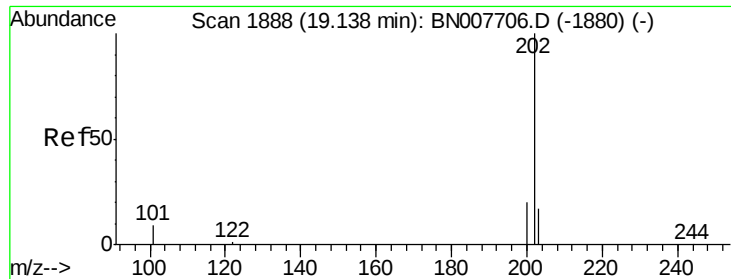
Delta R.T. -0.02 min

Lab File: BN007975.D

Acq: 02 Oct 2019 20:53

Tgt Ion:	212	Resp:	19457
Ion Ratio	Lower	Upper	
212	100		
106	11.4	9.4	14.0
104	6.5	5.3	7.9





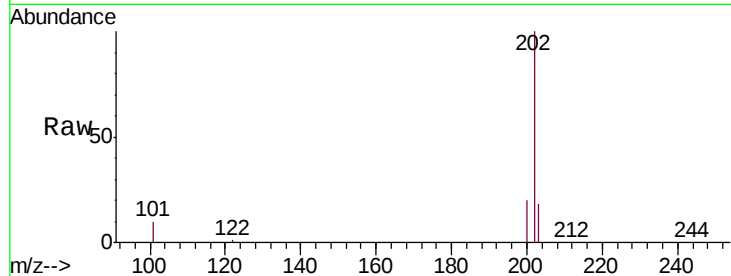
#26
Fluoranthene
Concen: 1.568 ng
RT: 19.12 min Scan# 1885
Delta R.T. -0.02 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Instrument :
BNA_N
ClientSampleId :
PST-024-B271-092519

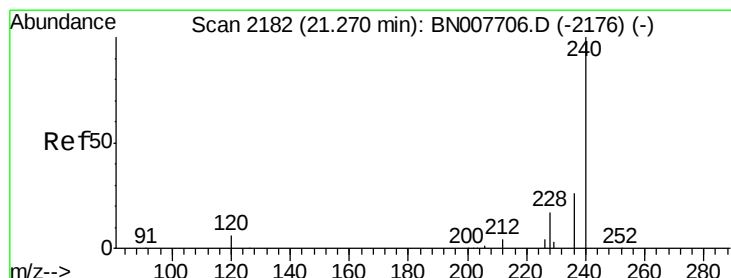
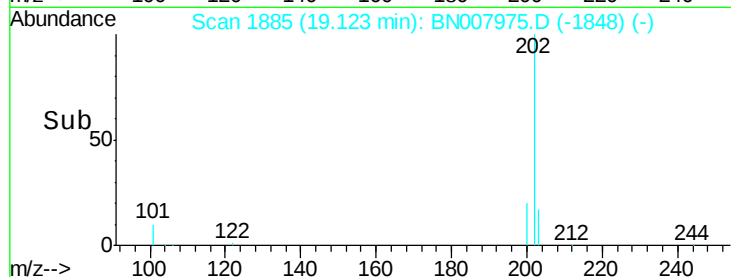
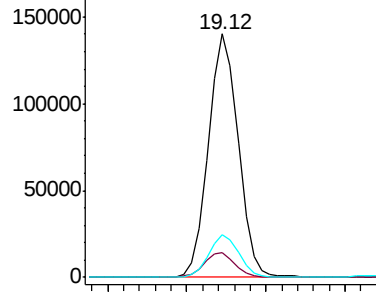
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.2	8.4	12.6
203	17.4	13.8	20.8

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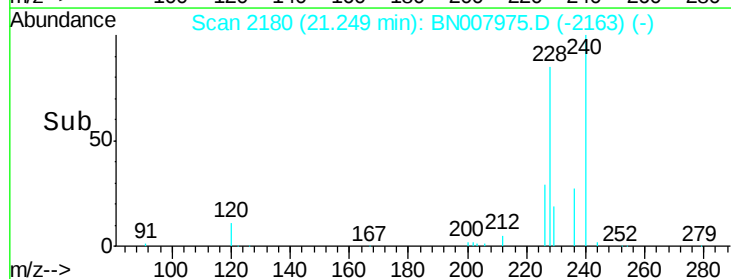
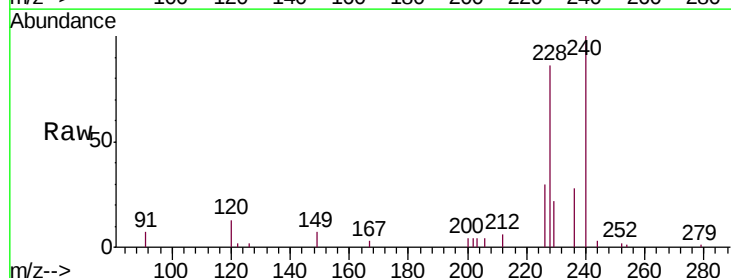
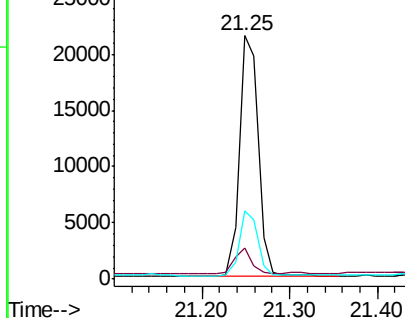
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

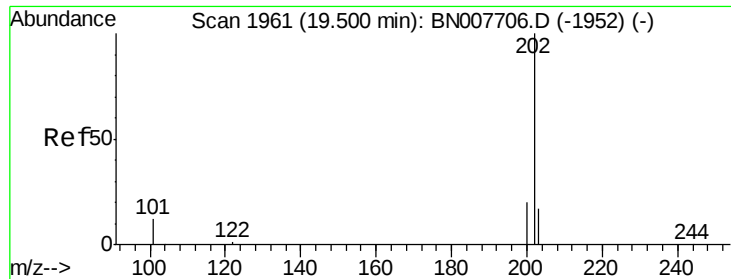


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.8	5.4	8.2#
236	28.0	21.0	31.4

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





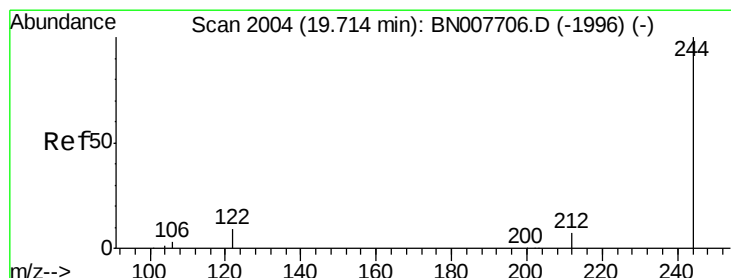
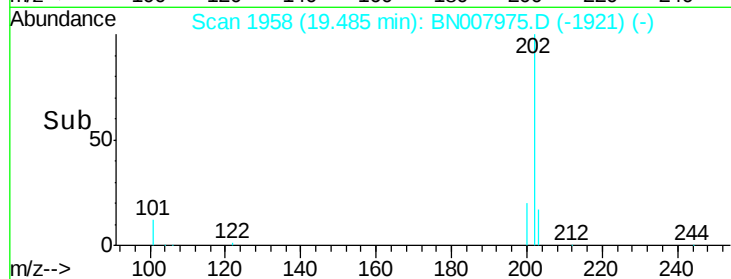
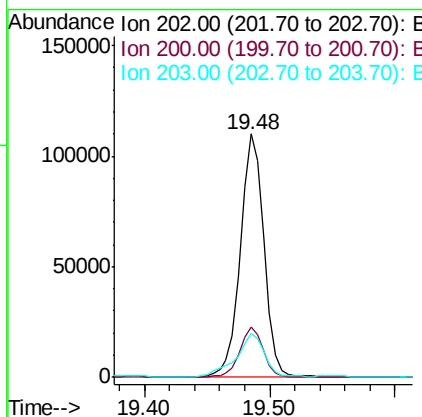
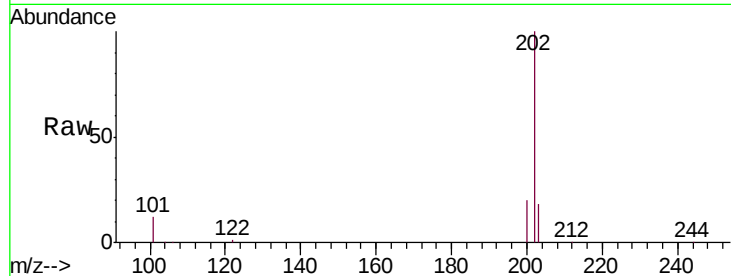
#28
 Pyrene
 Concen: 1.311 ng
 RT: 19.48 min Scan# 1958
 Delta R.T. -0.02 min
 Lab File: BN007975.D
 Acq: 02 Oct 2019 20:53

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B271-092519

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	16.4	24.6
203	21.4	14.1	21.1#

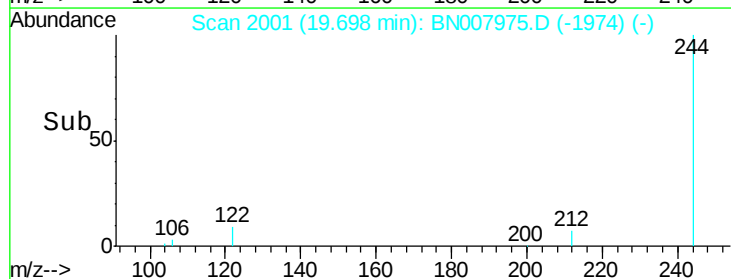
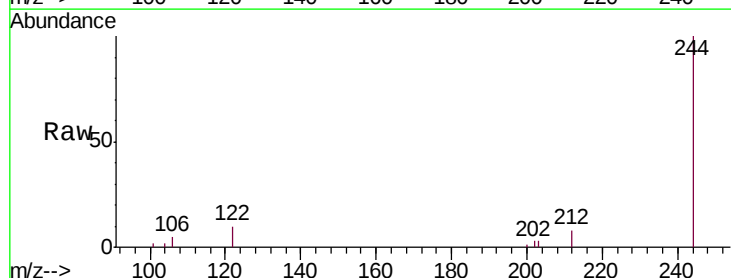
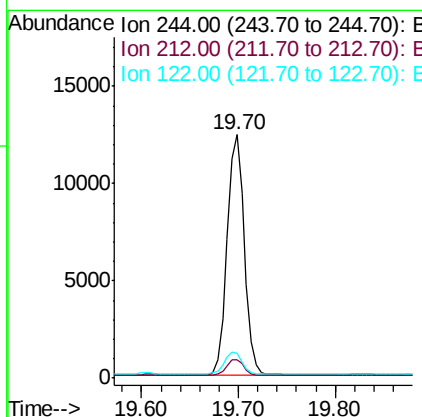
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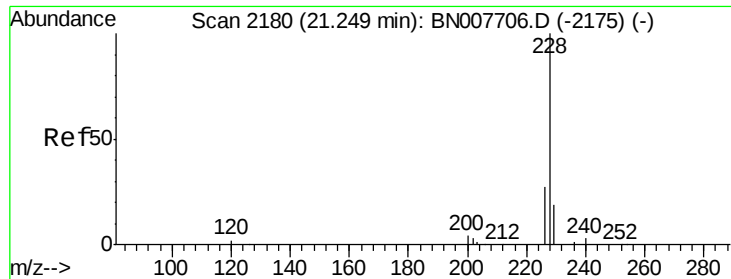
mohammad
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#29
 Terphenyl-d14
 Concen: 0.196 ng
 RT: 19.70 min Scan# 2001
 Delta R.T. -0.02 min
 Lab File: BN007975.D
 Acq: 02 Oct 2019 20:53

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.7	5.9	8.9
122	10.3	7.4	11.2





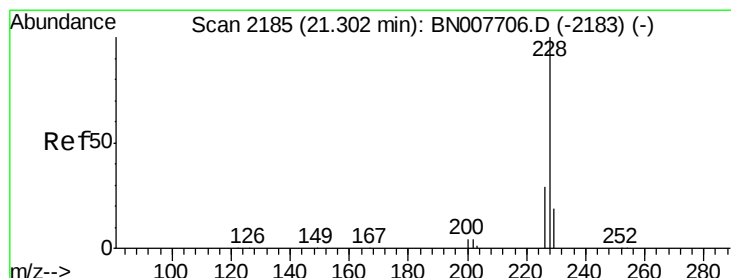
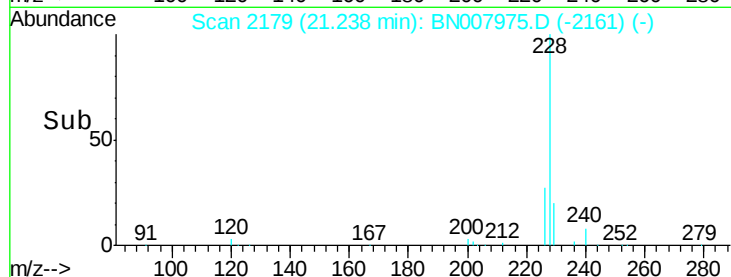
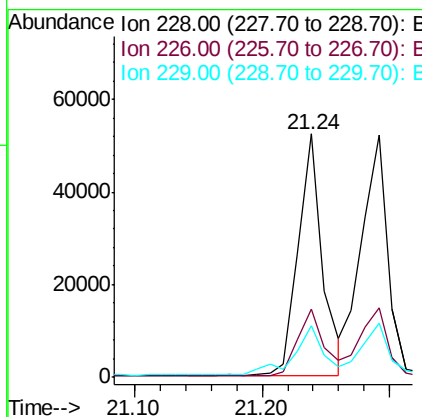
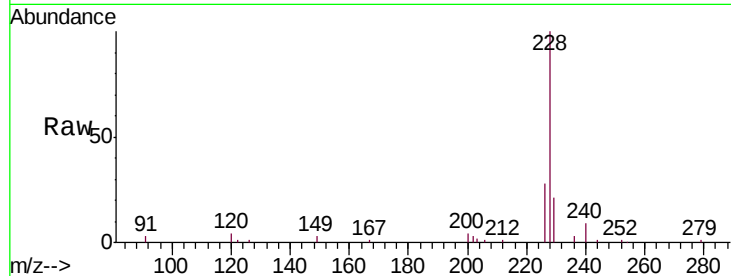
#30
Benzo(a)anthracene
Concen: 0.591 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Instrument :
BNA_N
ClientSampleId :
PST-024-B271-092519

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	21.2	15.8	23.6

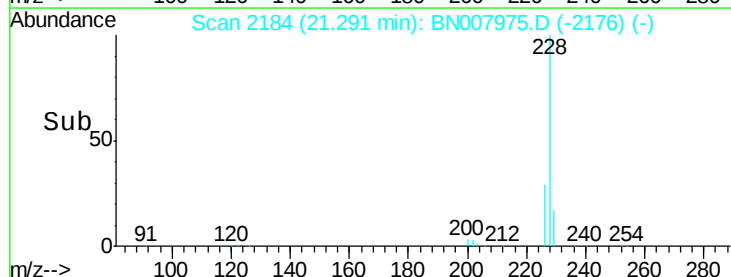
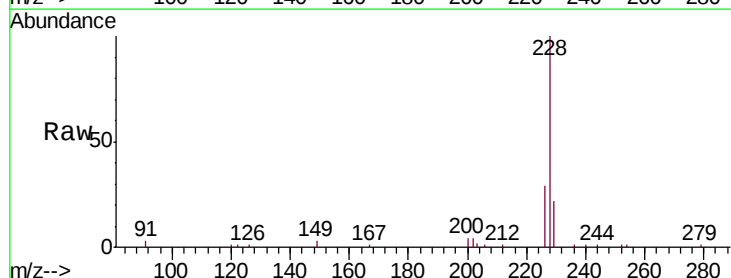
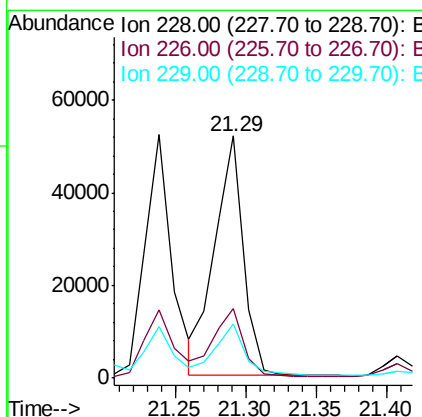
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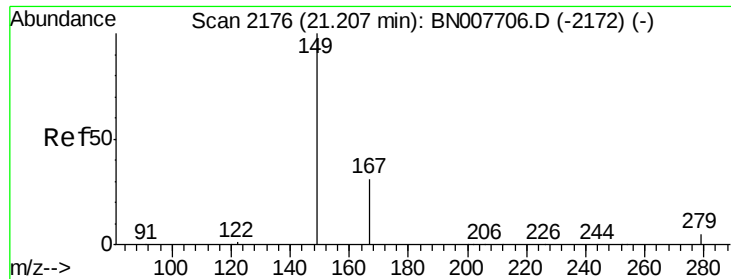
mohammad
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#31
Chrysene
Concen: 0.646 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.9	35.9
229	22.3	15.8	23.6





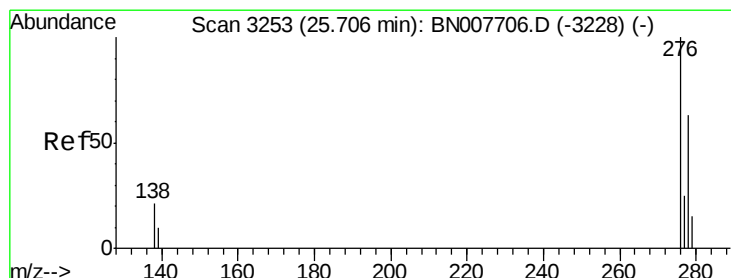
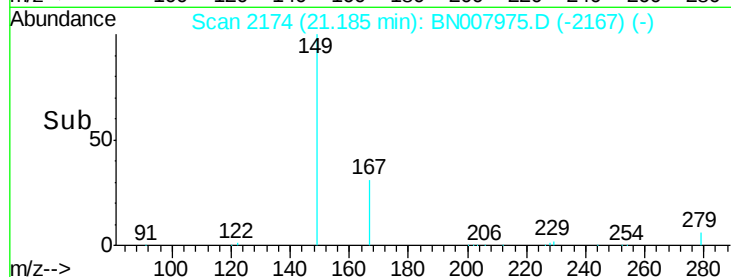
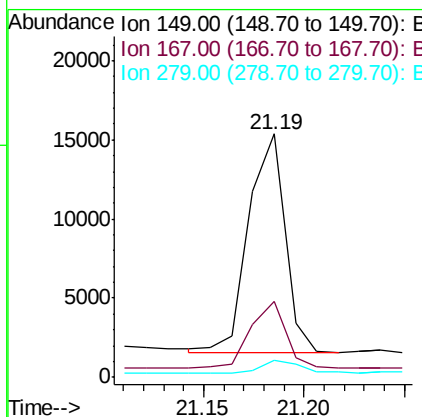
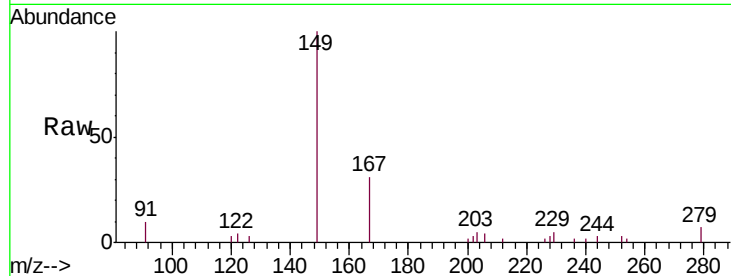
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.288 ng
 RT: 21.19 min Scan# 2174
 Delta R.T. -0.02 min
 Lab File: BN007975.D
 Acq: 02 Oct 2019 20:53

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B271-092519

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.8	23.7	35.5
279	5.7	4.2	6.2

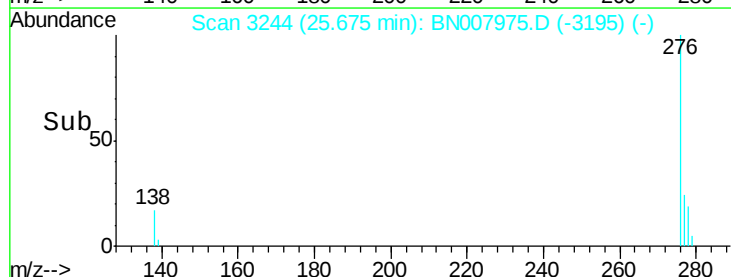
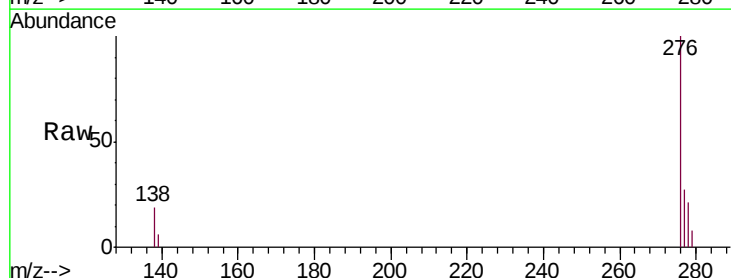
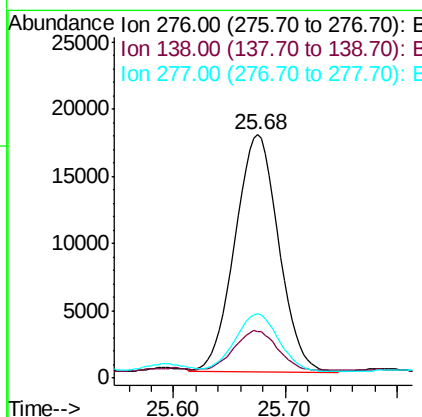
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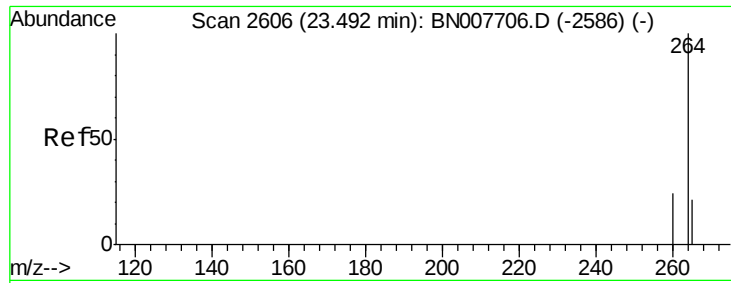
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.335 ng
 RT: 25.68 min Scan# 3244
 Delta R.T. -0.03 min
 Lab File: BN007975.D
 Acq: 02 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.7	17.1	25.7#
277	24.4	20.0	30.0





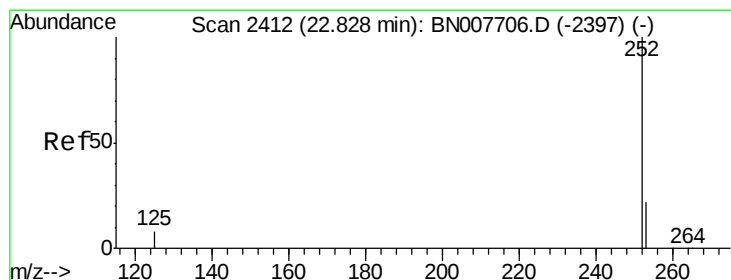
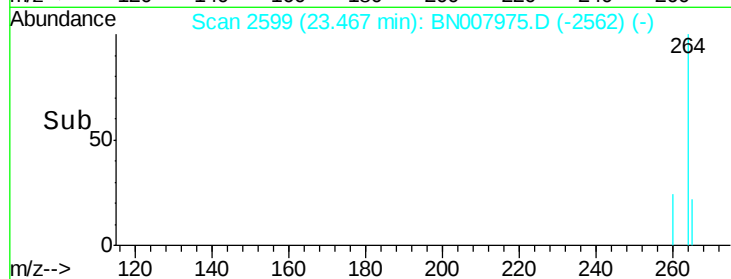
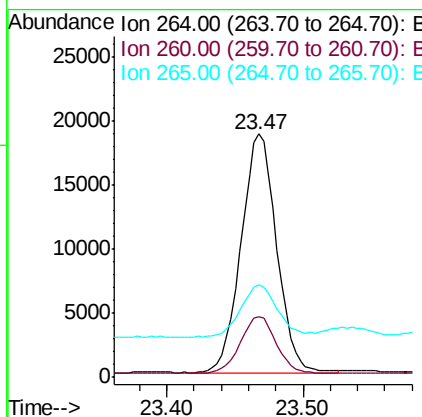
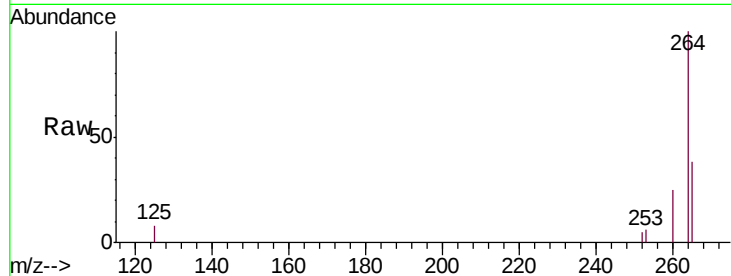
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2599
 Delta R.T. -0.02 min
 Lab File: BN007975.D
 Acq: 02 Oct 2019 20:53

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B271-092519

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	33838		
260	24.9	19.3	28.9	
265	38.1	26.9	40.3	

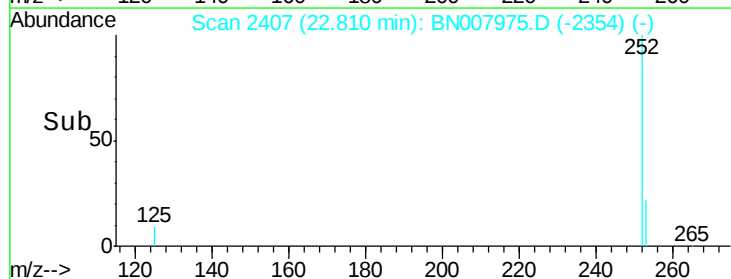
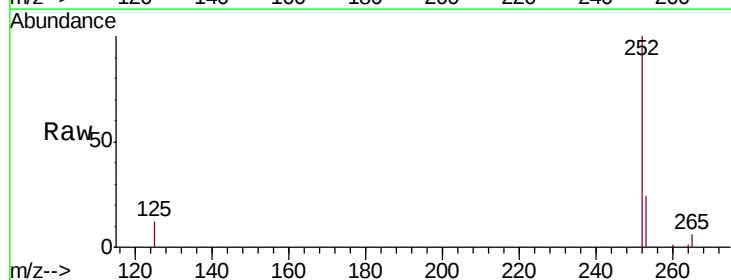
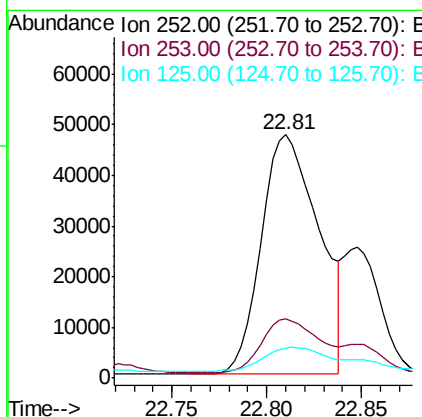
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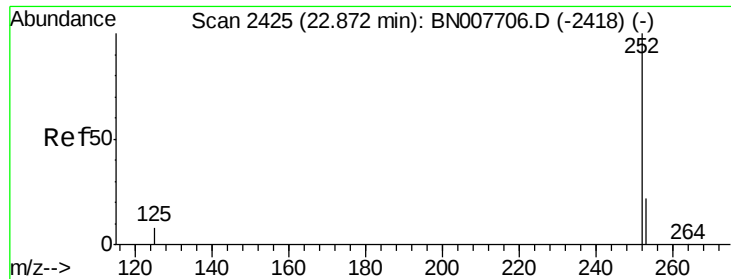
mohammad
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#35
Benzo(b)fluoranthene
 Concen: 0.852 ng
 RT: 22.81 min Scan# 2407
 Delta R.T. -0.02 min
 Lab File: BN007975.D
 Acq: 02 Oct 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	100120		
253	24.2	18.3	27.5	
125	12.3	8.2	12.4	





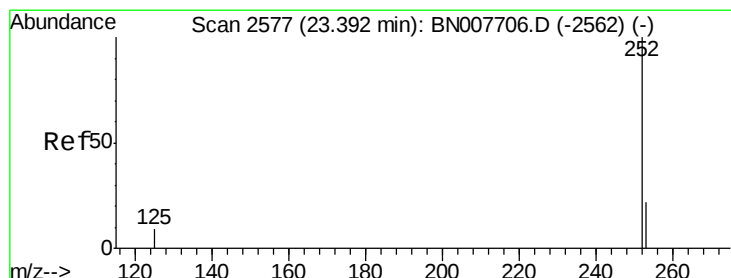
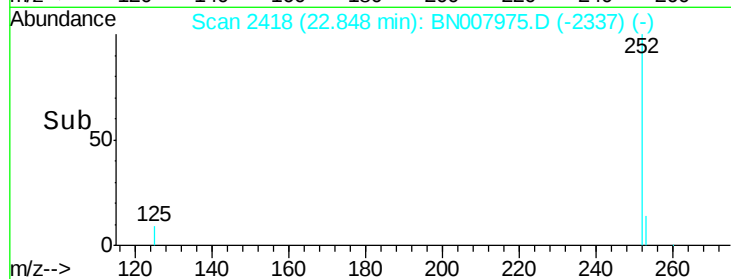
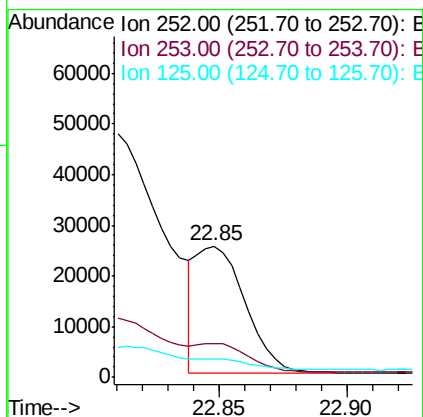
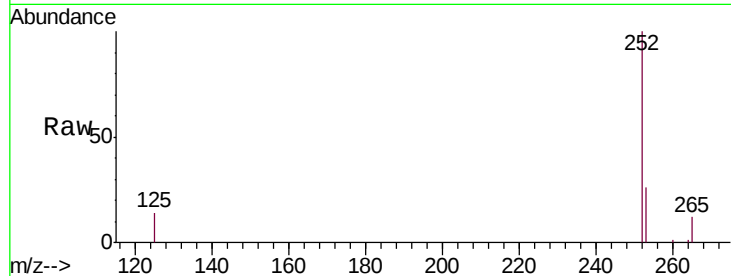
#36
Benzo(k)fluoranthene
Concen: 0.292 ng m
RT: 22.85 min Scan# 2418
Delta R.T. -0.02 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Instrument :
BNA_N
ClientSampleId :
PST-024-B271-092519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.5	27.7
125	14.1	8.4	12.6

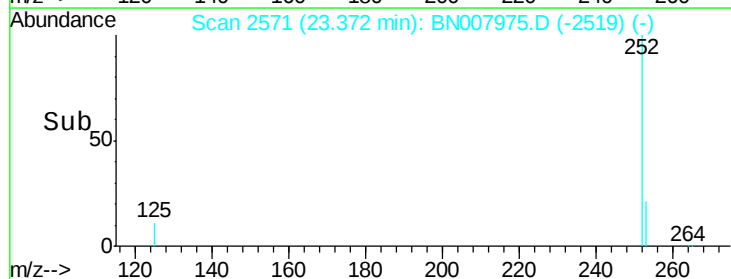
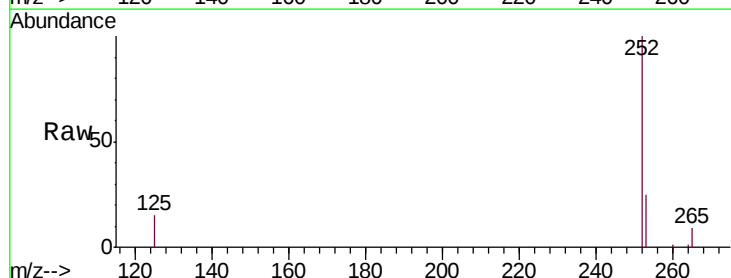
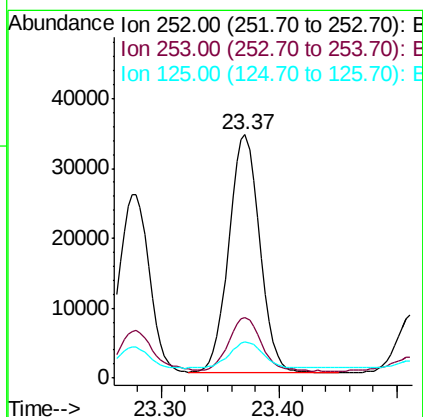
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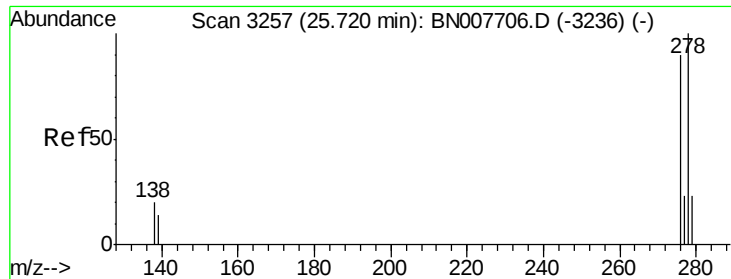
mohammad
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#37
Benzo(a)pyrene
Concen: 0.561 ng
RT: 23.37 min Scan# 2571
Delta R.T. -0.02 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.6	27.8
125	14.8	9.4	14.0





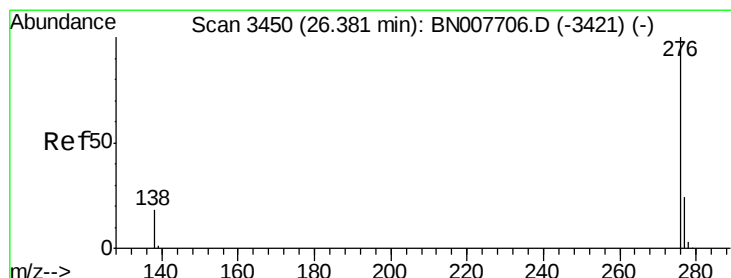
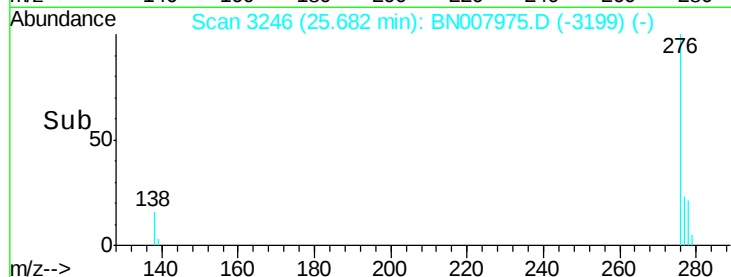
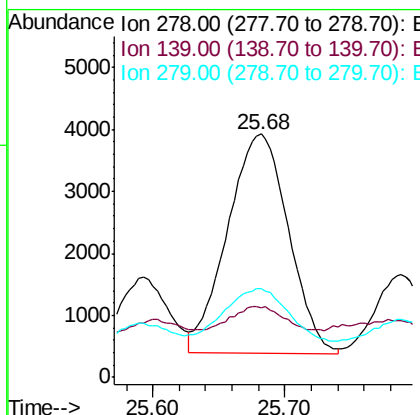
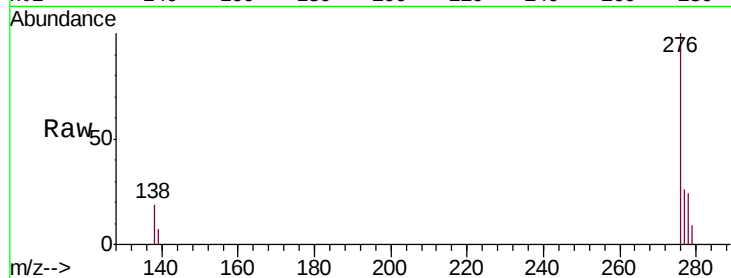
#38
Dibenzo(a,h)anthracene
Concen: 0.100 ng
RT: 25.68 min Scan# 3246
Delta R.T. -0.04 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Instrument :
BNA_N
ClientSampleId :
PST-024-B271-092519

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.4	11.8	17.6#
279	36.6	19.4	29.2#

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#39
Benzo(g,h,i)perylene
Concen: 0.408 ng
RT: 26.35 min Scan# 3441
Delta R.T. -0.03 min
Lab File: BN007975.D
Acq: 02 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.8	29.8
138	20.2	15.1	22.7

