

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
 Data File : BN007999.D
 Acq On : 04 Oct 2019 02:23
 Operator : JU
 Sample : K5077-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B279-092519

Manual Integrations
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mohammad
 10/7/2019 8:27:51 AM

Quant Time: Oct 04 08:54:13 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	4787	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	19818	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	12607	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	27544	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	30062	0.40	ng	-0.02
34) Perylene-d12	23.46	264	32369	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	5188	0.31	ng	0.00
5) Phenol-d6	6.87	99	7344	0.36	ng	0.00
8) Nitrobenzene-d5	8.82	82	5468	0.32	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	11465	0.34	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	2389	0.35	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	15614	0.30	ng	-0.01
25) Fluoranthene-d10	19.09	212	32689	0.35	ng	-0.01
29) Terphenyl-d14	19.69	244	26613	0.36	ng	-0.02

Target Compounds

						Qvalue
16) Acenaphthylene	14.02	152	6878	0.103	ng	99
17) Acenaphthene	14.37	154	884	0.021	ng	99
18) Fluorene	15.36	166	1688	0.031	ng	# 87
23) Phenanthrene	17.09	178	33798	0.394	ng	100
24) Anthracene	17.19	178	6142	0.079	ng	98
26) Fluoranthene	19.12	202	75286	0.706	ng	99
28) Pyrene	19.49	202	70246	0.685	ng	# 96
30) Benzo(a)anthracene	21.24	228	35471m	0.320	ng	
31) Chrysene	21.29	228	39200	0.363	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	11259	0.198	ng	96
33) Indeno(1,2,3-cd)pyrene	25.67	276	26182	0.194	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	53168	0.473	ng	# 84
36) Benzo(k)fluoranthene	22.84	252	21201m	0.191	ng	
37) Benzo(a)pyrene	23.37	252	34177	0.324	ng	# 81
38) Dibenzo(a,h)anthracene	25.68	278	6719	0.062	ng	# 34
39) Benzo(g,h,i)perylene	26.35	276	25867	0.242	ng	# 89

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

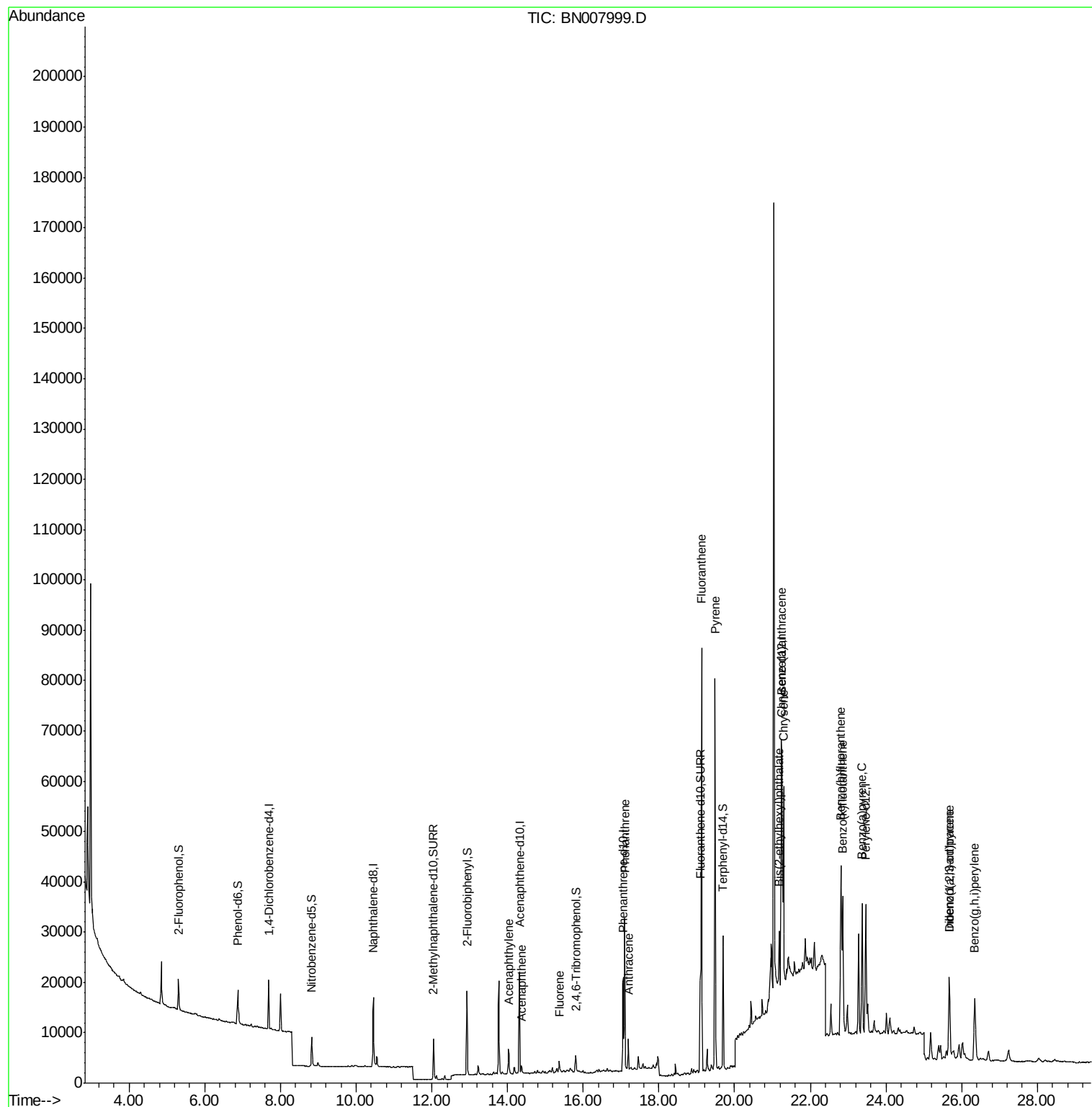
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
Data File : BN007999.D
Acq On : 04 Oct 2019 02:23
Operator : JU
Sample : K5077-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

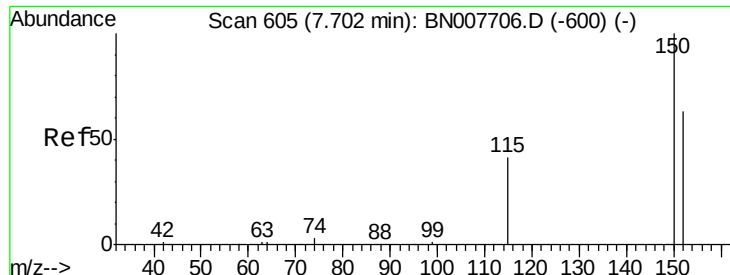
Instrument :
BNA_N
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PST-024-B279-092519

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#1

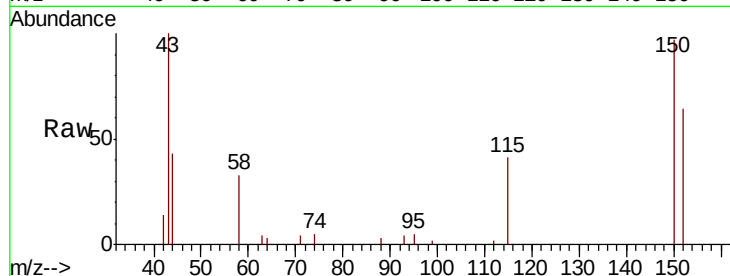
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B279-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	125.6	188.4
115	63.9	53.3	79.9

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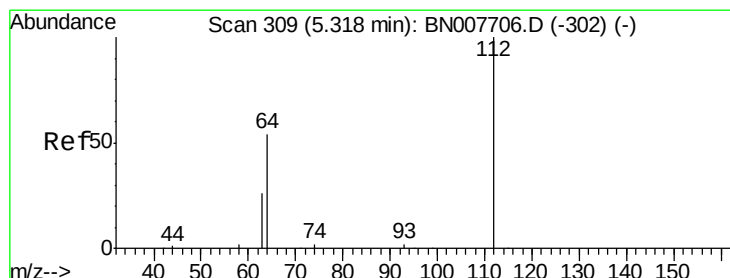
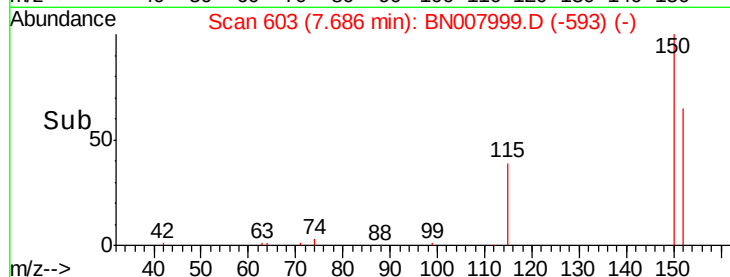
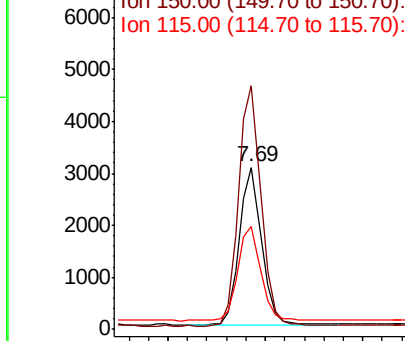


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

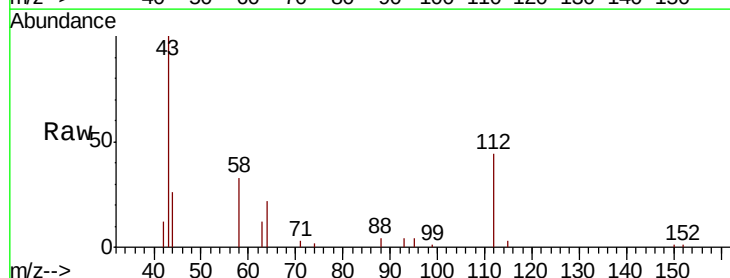
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.315 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.6	70.0
63	29.2	23.1	34.7

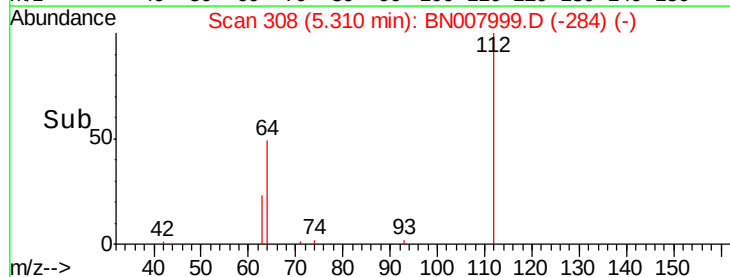
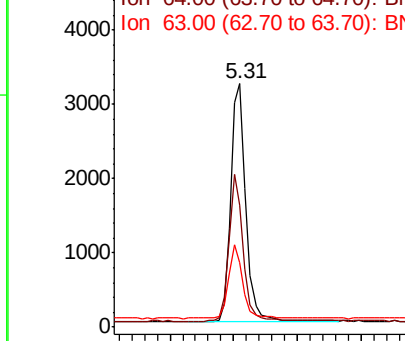


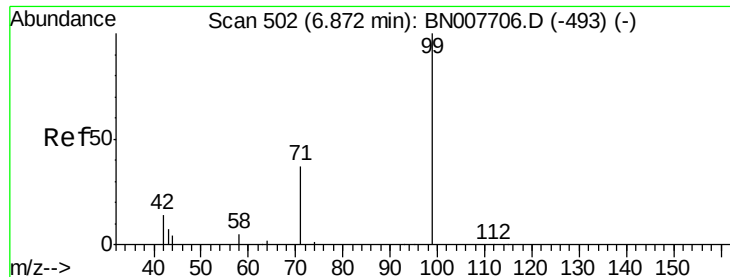
Abundance

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: 0.357 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

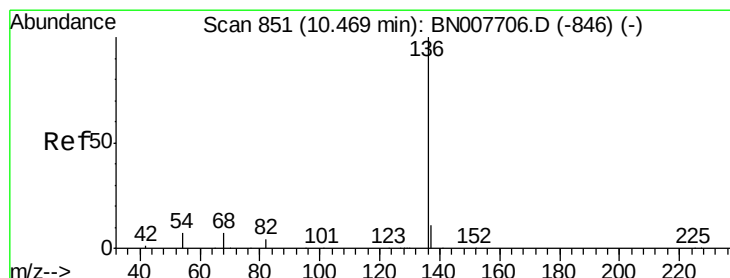
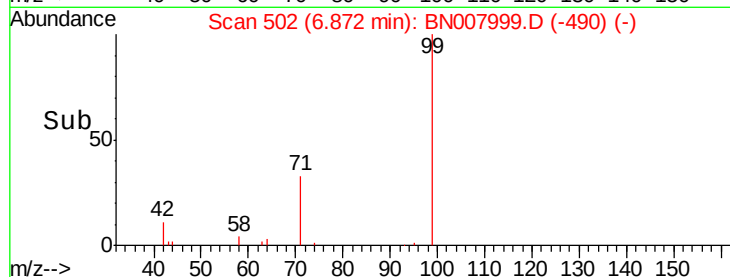
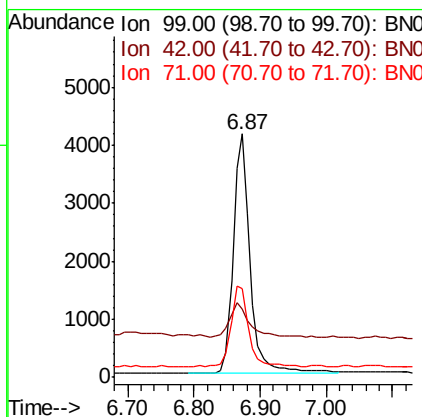
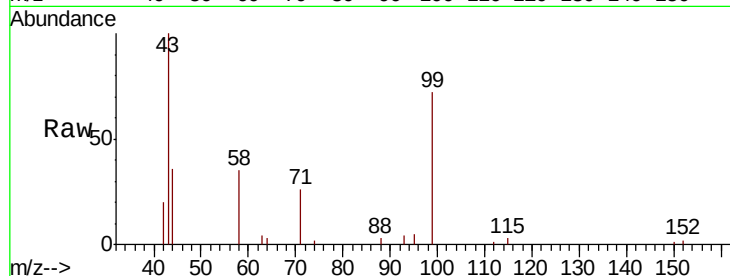
ClientSampleId :

PST-024-B279-092519

Tot Ion:	99	Resp:	7344
Ion	Ratio	Lower	Upper
99	100		
42	17.0	12.8	19.2
71	36.4	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

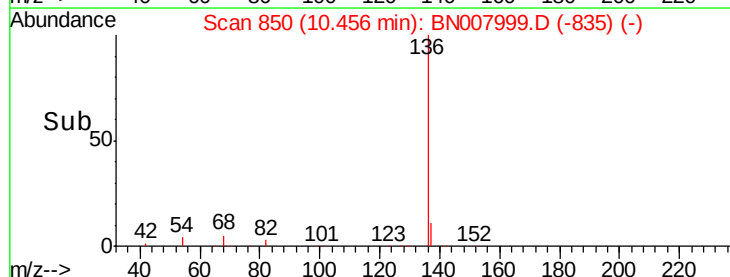
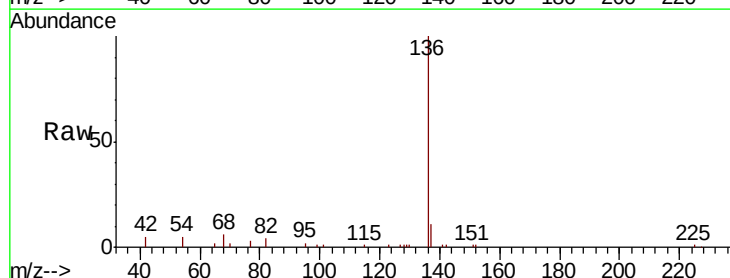
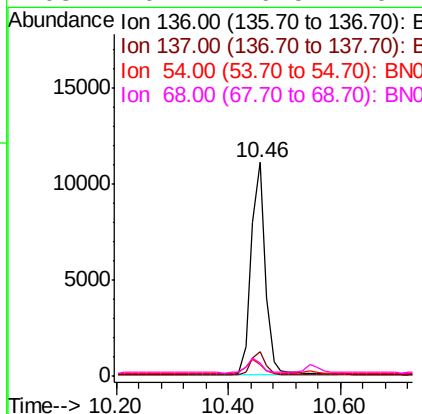
RT: 10.46 min Scan# 850

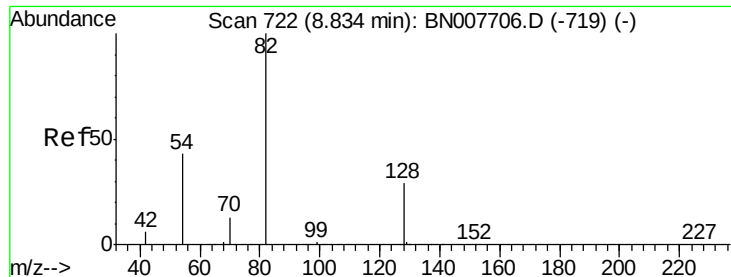
Delta R.T. -0.01 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Tgt Ion:	136	Resp:	19818
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	5.4	5.8	8.8#
68	6.1	6.5	9.7#





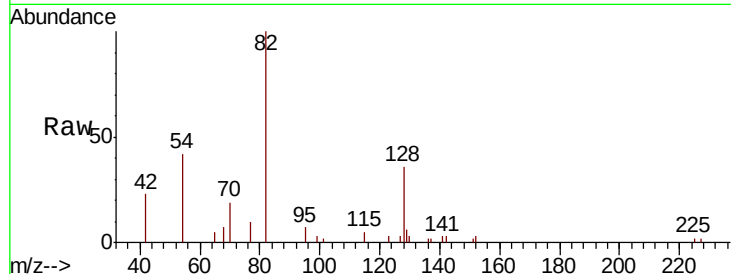
#8
 Nitrobenzene-d5
 Concen: 0.315 ng
 RT: 8.82 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: BN007999.D
 Acq: 04 Oct 2019 02:23

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B279-092519

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.6	24.5	36.7
54	41.8	35.2	52.8

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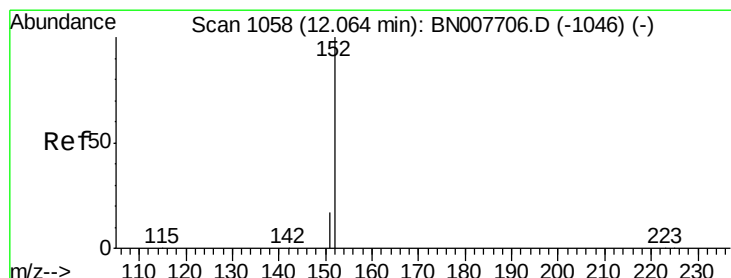
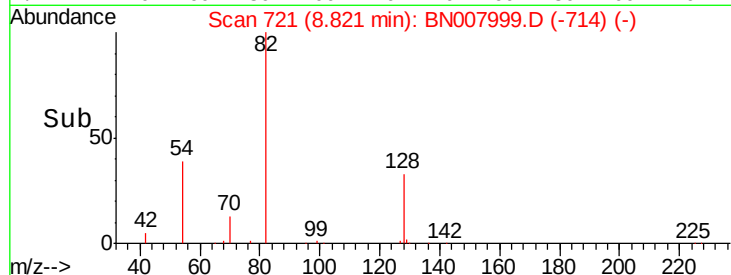
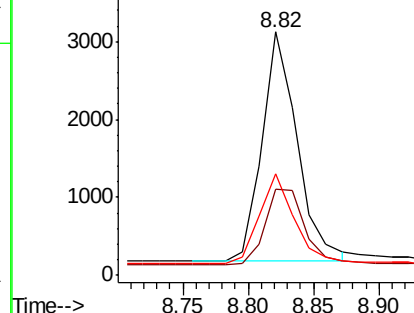


Abundance

Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

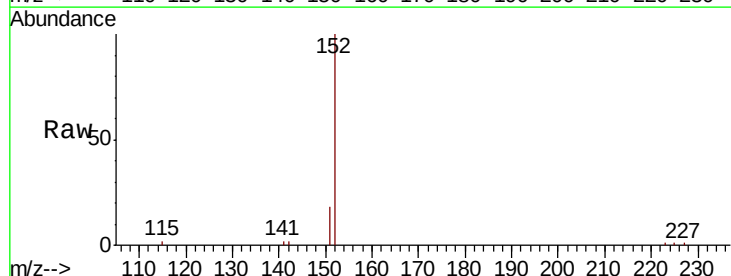
Ion 128.00 (127.70 to 128.70): BN007706.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-719) (-)



#11
 2-Methylnaphthalene-d10
 Concen: 0.343 ng
 RT: 12.05 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BN007999.D
 Acq: 04 Oct 2019 02:23

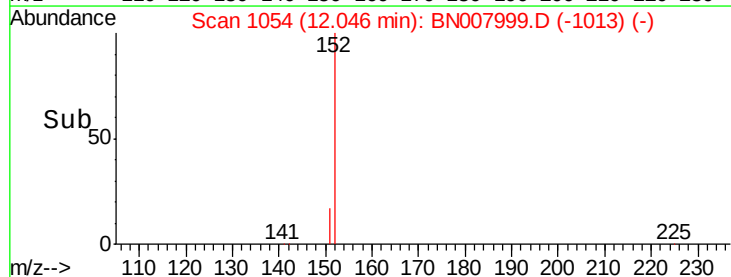
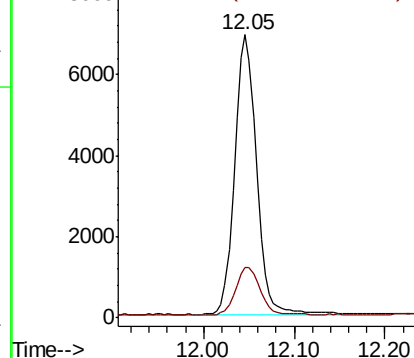
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2

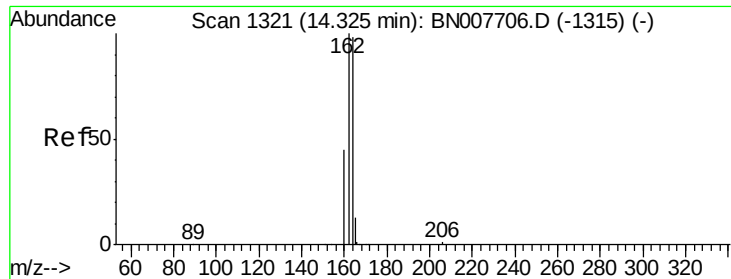


Abundance

Ion 152.00 (151.70 to 152.70): BN007706.D (-1046) (-)

Ion 151.00 (150.70 to 151.70): BN007706.D (-1046) (-)





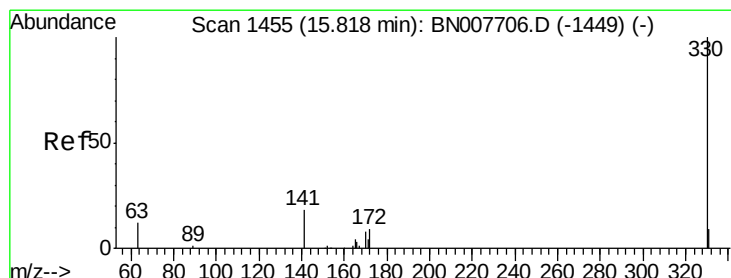
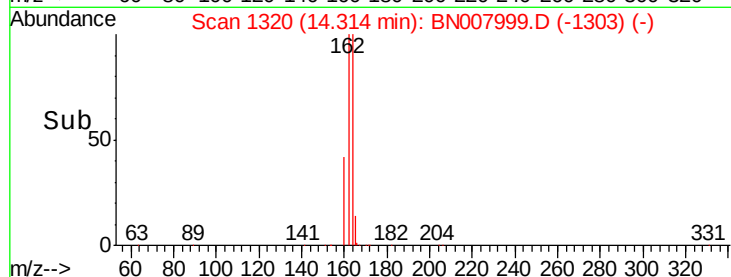
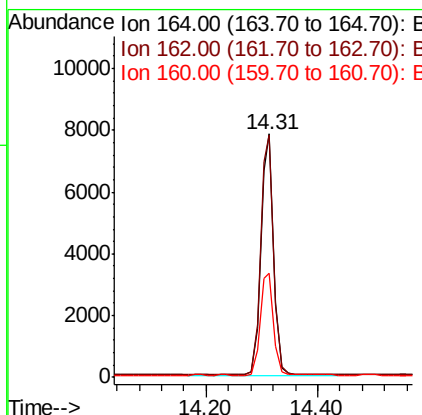
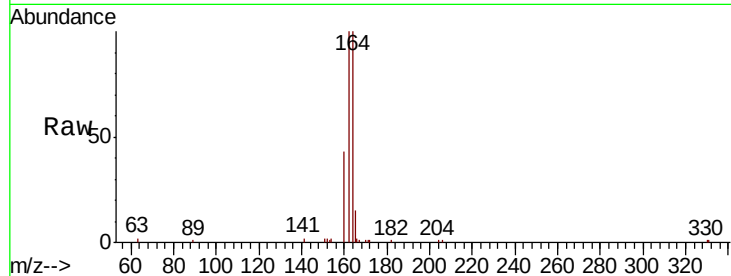
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B279-092519

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.7	122.5
160	43.0	37.0	55.4

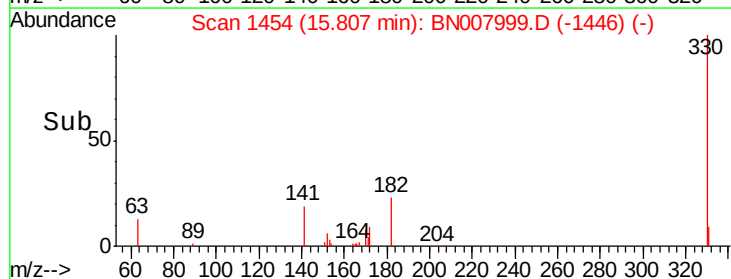
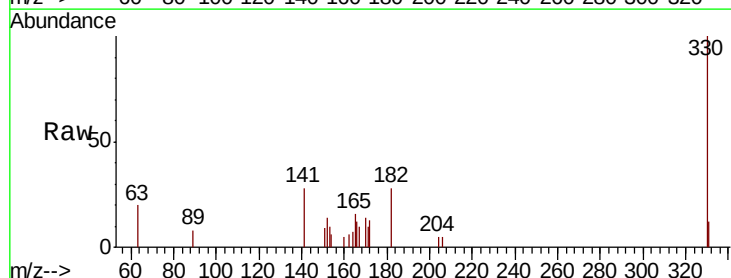
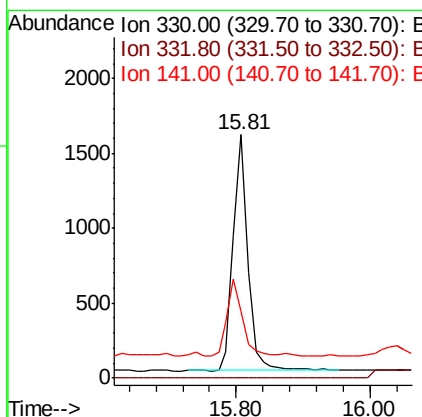
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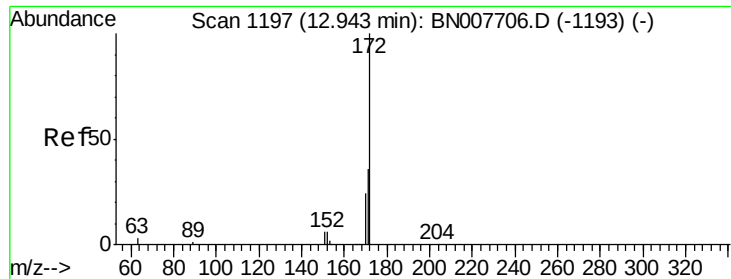
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#14
2,4,6-Tribromophenol
Concen: 0.348 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.1	28.7	43.1





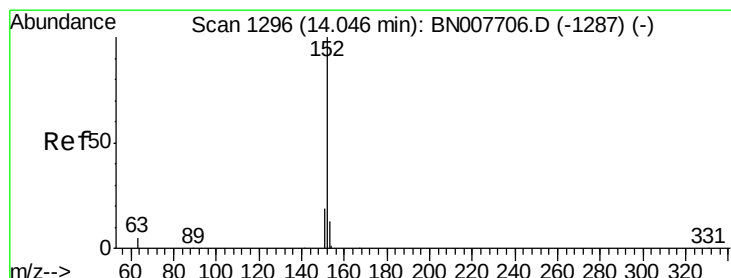
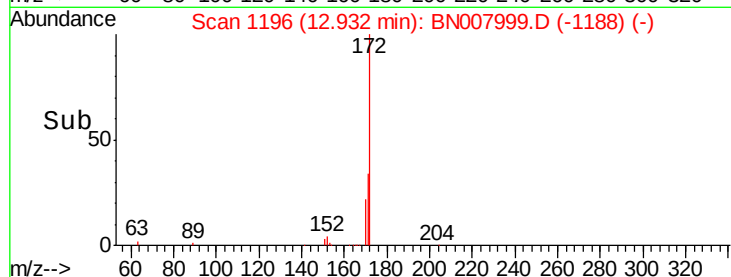
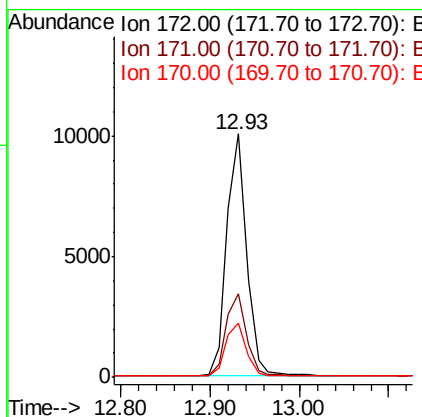
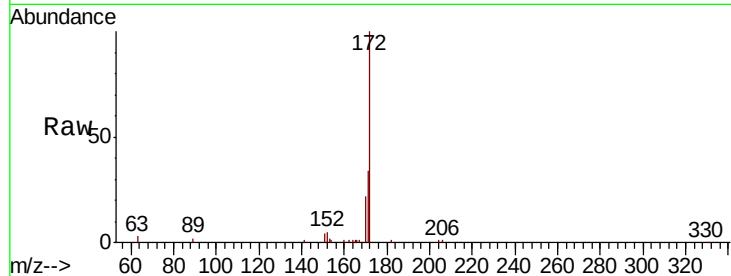
#15
2-Fluorobiphenyl
Concen: 0.301 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B279-092519

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.8	43.2
170	22.4	19.5	29.3

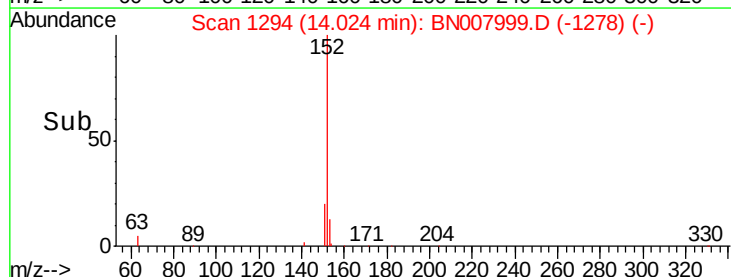
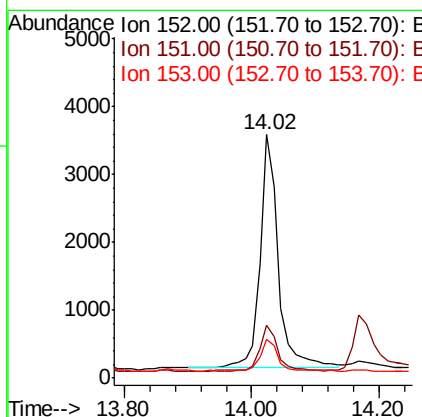
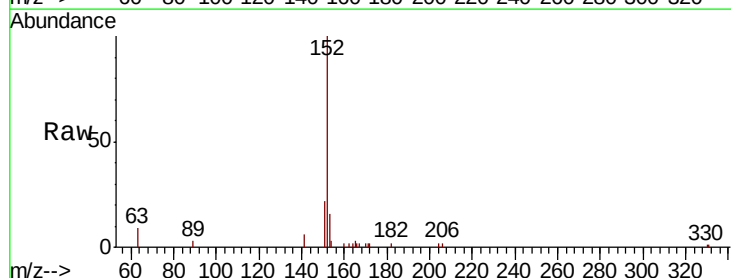
Manual Integrations
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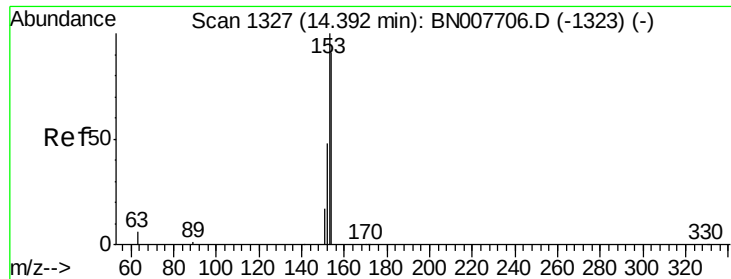
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#16
Acenaphthylene
Concen: 0.103 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.5	23.3
153	13.2	10.4	15.6





#17

Acenaphthene

Concen: 0.021 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

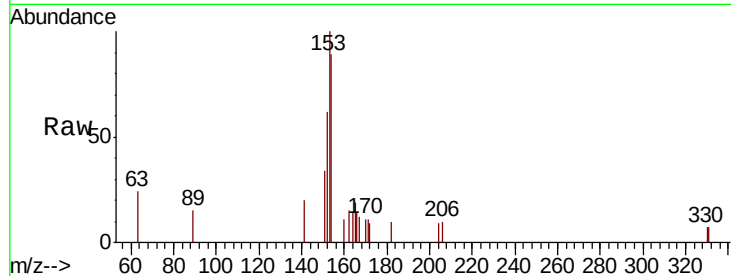
ClientSampleId :

PST-024-B279-092519

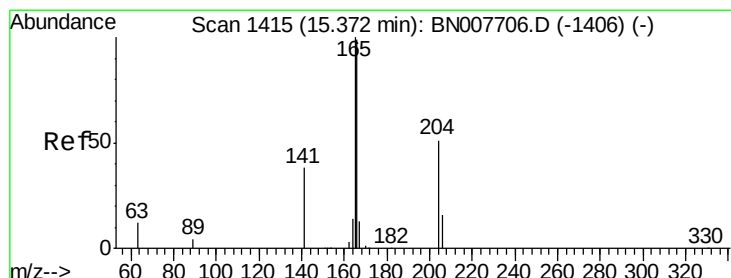
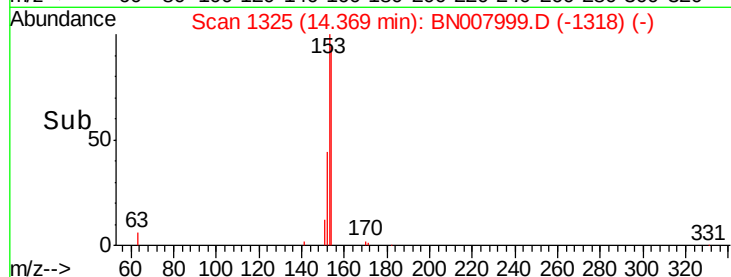
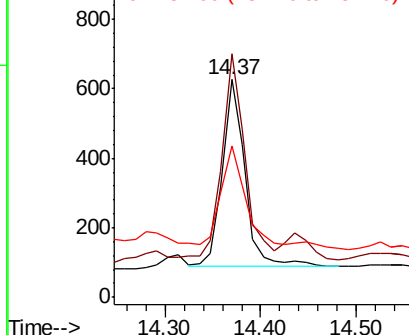
Tot Ion:	154	Resp:	884
Ion	Ratio	Lower	Upper
154	100		
153	106.9	87.0	130.4
152	52.8	42.7	64.1

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.031 ng

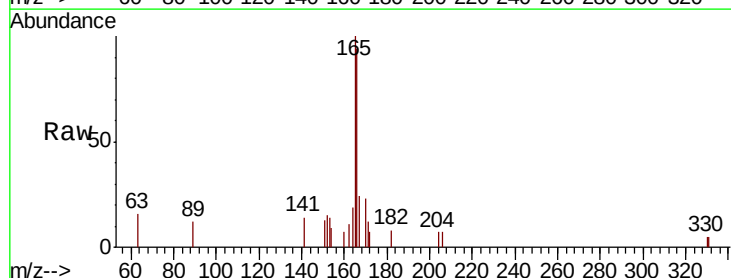
RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

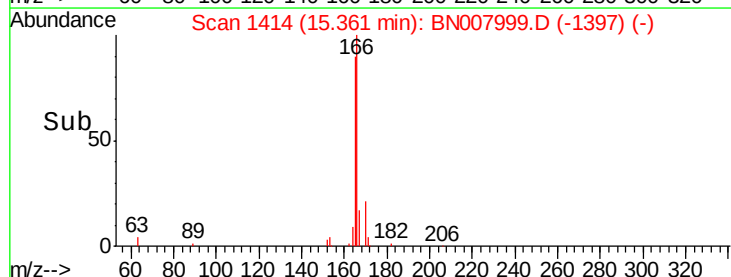
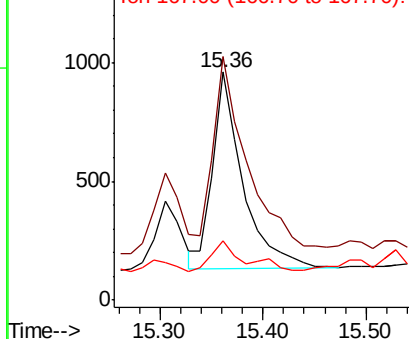
Lab File: BN007999.D

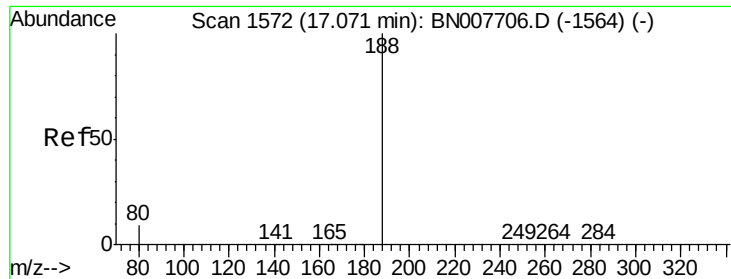
Acq: 04 Oct 2019 02:23

Tgt Ion:	166	Resp:	1688
Ion	Ratio	Lower	Upper
166	100		
165	110.9	78.0	117.0
167	18.3	10.9	16.3#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





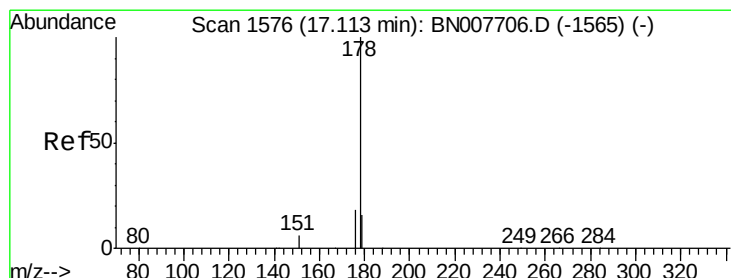
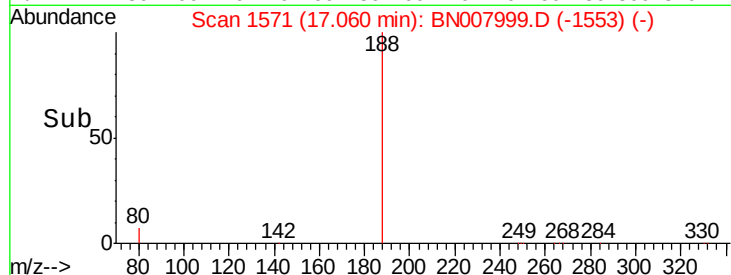
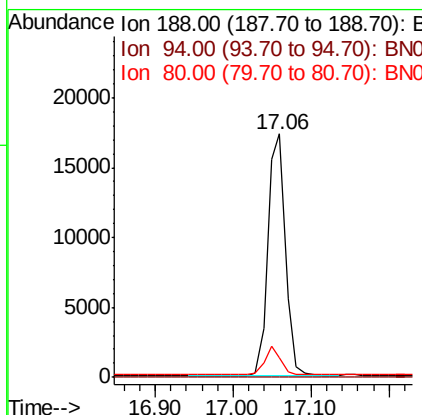
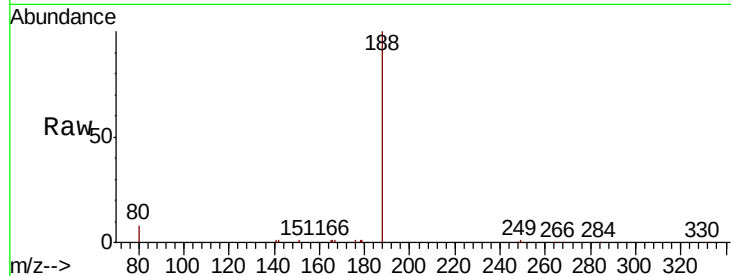
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B279-092519

Tot Ion	Ratio	Resp	Lower	Upper
188	100	27544		
94	0.0	0.0	0.0	0.0
80	8.1	7.4	11.2	

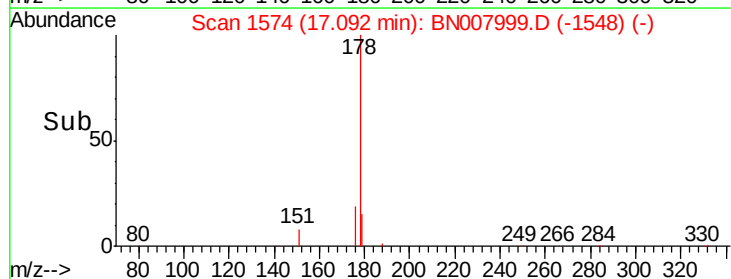
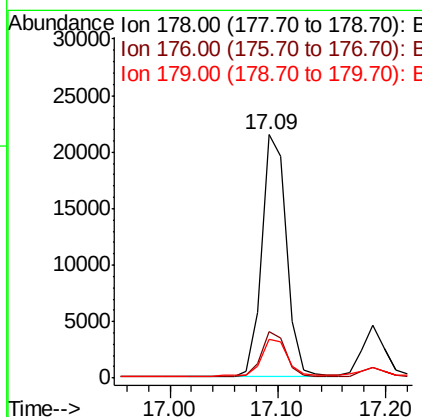
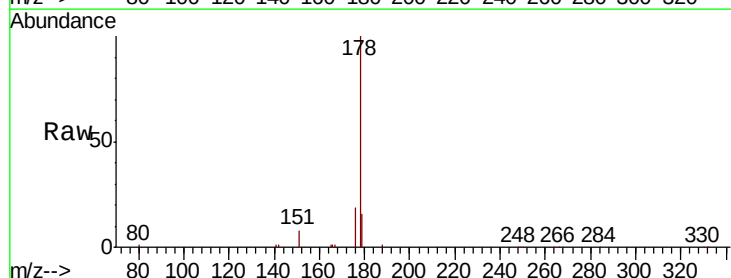
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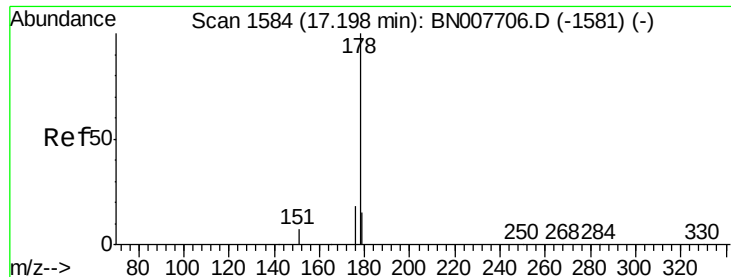
mohammad
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#23
Phenanthrene
Concen: 0.394 ng
RT: 17.09 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	33798		
176	18.5	14.9	22.3	
179	15.9	12.5	18.7	





#24

Anthracene

Concen: 0.079 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

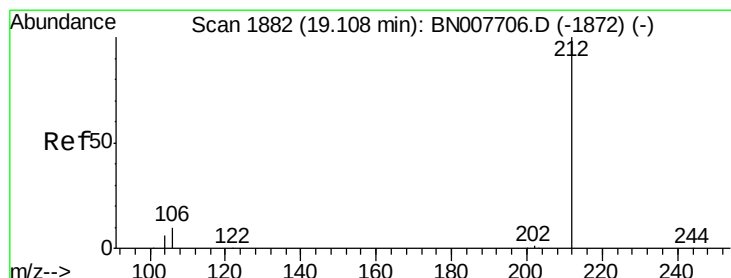
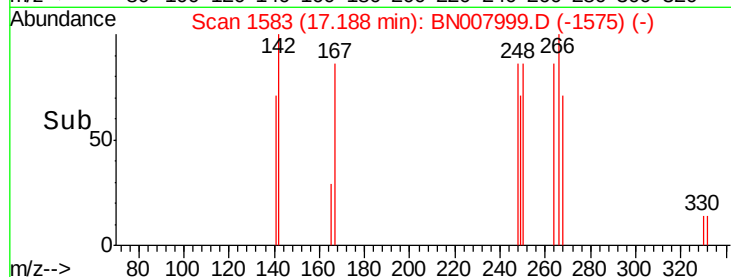
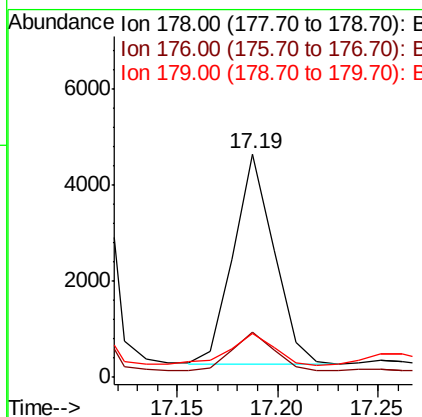
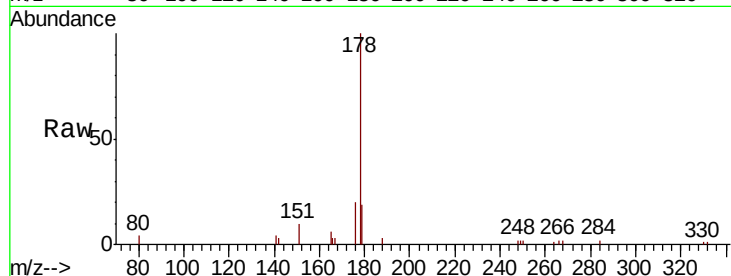
ClientSampleId :

PST-024-B279-092519

Tot Ion:178	Resp:	6142
Ion Ratio	Lower	Upper
178	100	
176	18.1	14.6 21.8
179	16.9	12.2 18.4

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#25

Fluoranthene-d10

Concen: 0.352 ng

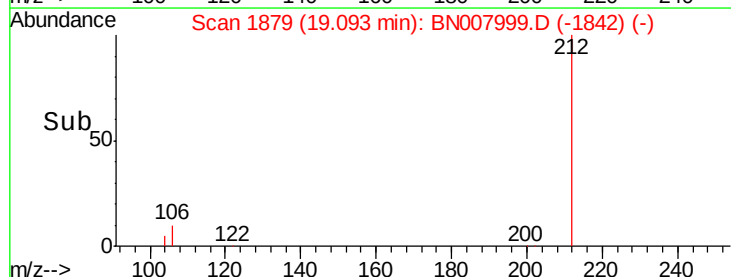
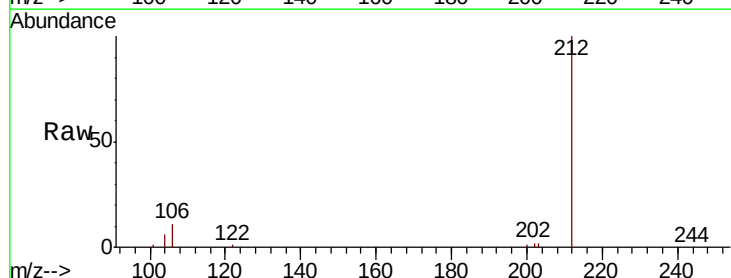
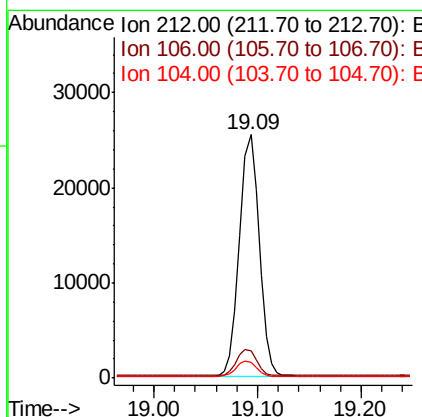
RT: 19.09 min Scan# 1879

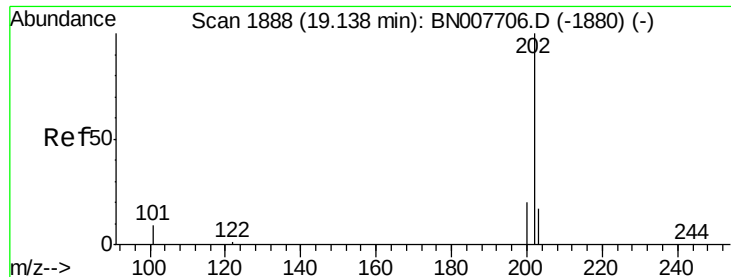
Delta R.T. -0.01 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Tgt Ion:212	Resp:	32689
Ion Ratio	Lower	Upper
212	100	
106	11.2	9.4 14.0
104	6.4	5.3 7.9





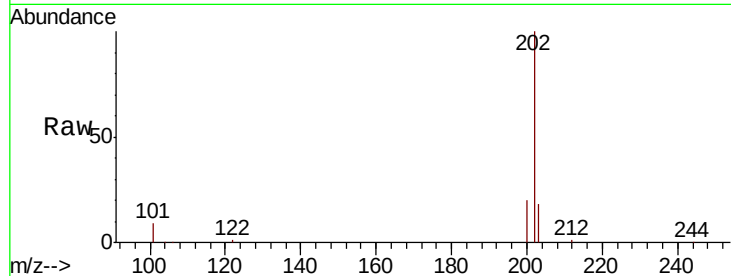
#26
Fluoranthene
Concen: 0.706 ng
RT: 19.12 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B279-092519

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.4	12.6
203	17.6	13.8	20.8

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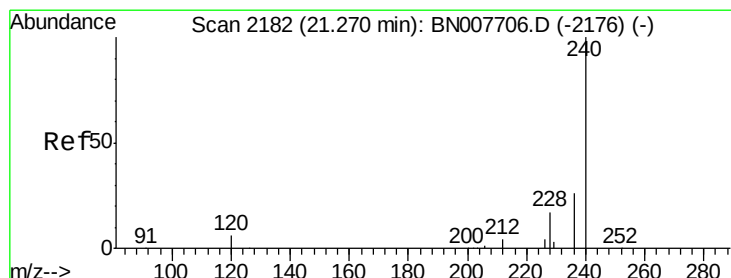
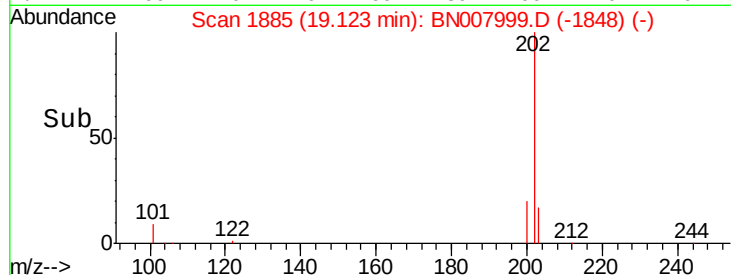
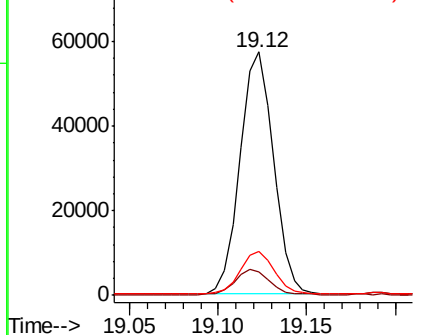


Abundance

Ion 202.00 (201.70 to 202.70): E

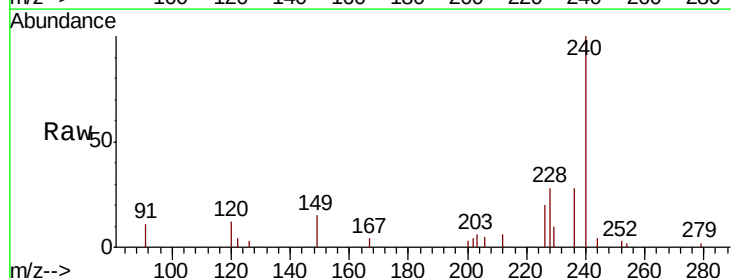
Ion 101.00 (100.70 to 101.70): E

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: BN007999.D
Acq: 04 Oct 2019 02:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.6	5.4	8.2#
236	27.8	21.0	31.4

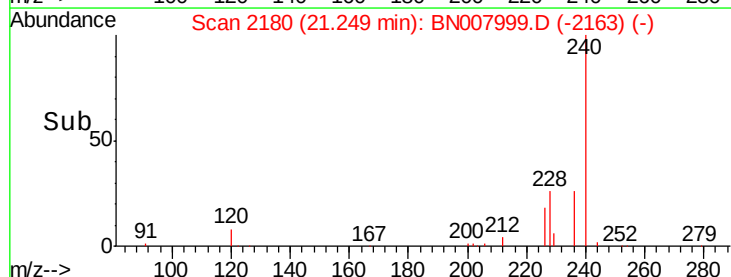
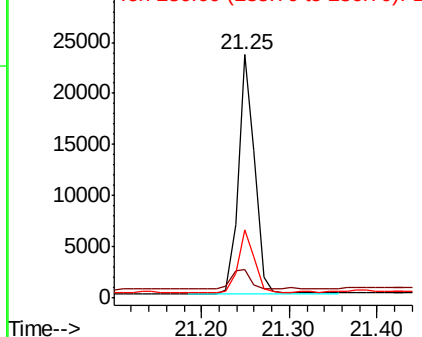


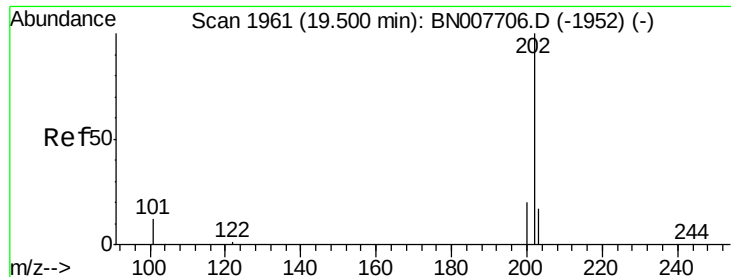
Abundance

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





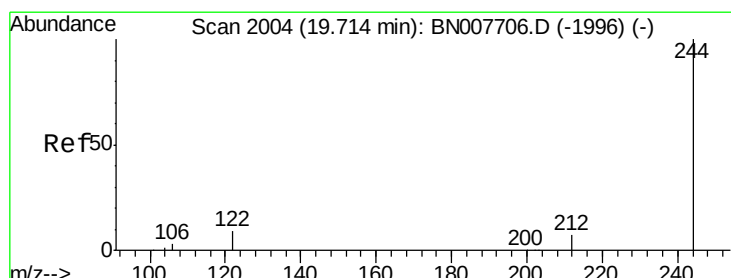
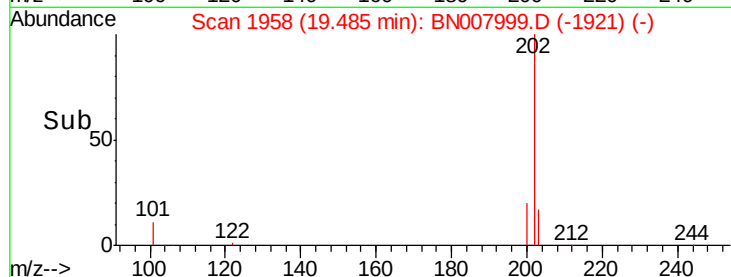
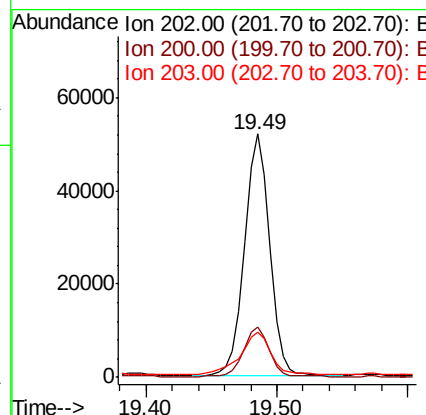
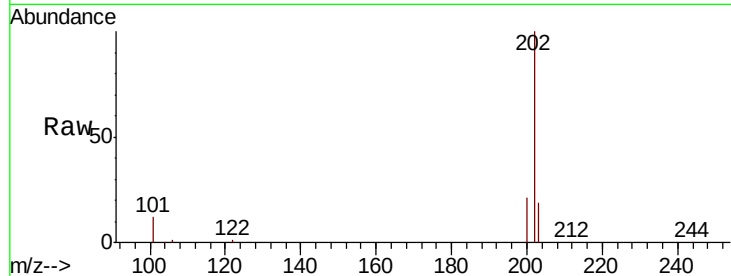
#28
Pvrene
Concen: 0.685 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B279-092519

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.4	24.6
203	21.1	14.1	21.1#

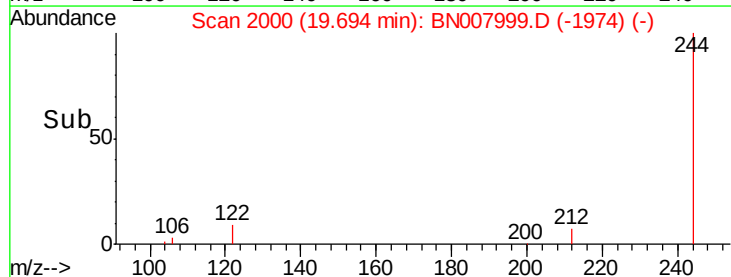
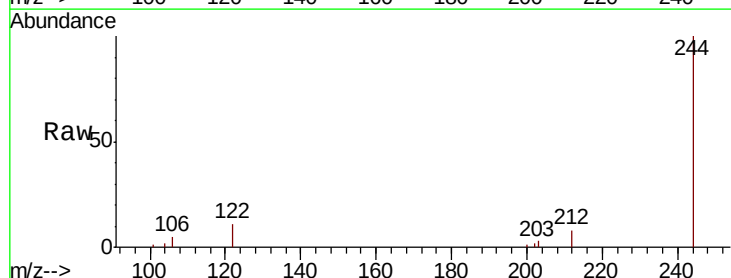
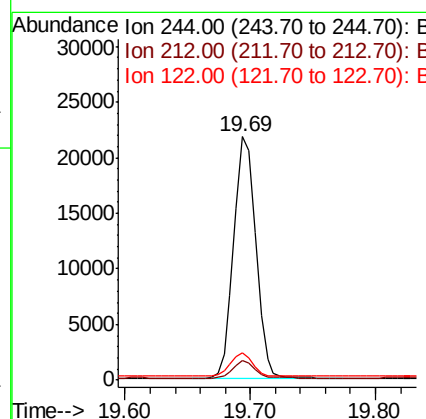
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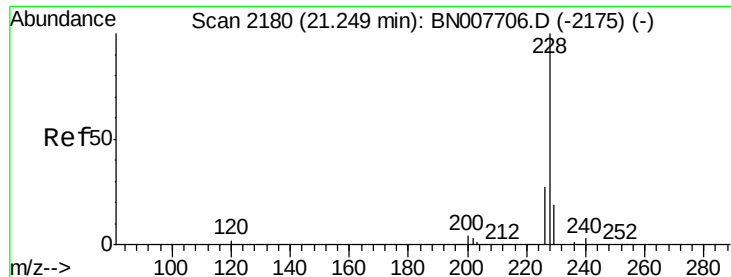
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#29
Terphenyl-d14
Concen: 0.360 ng
RT: 19.69 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.9	8.9
122	11.0	7.4	11.2





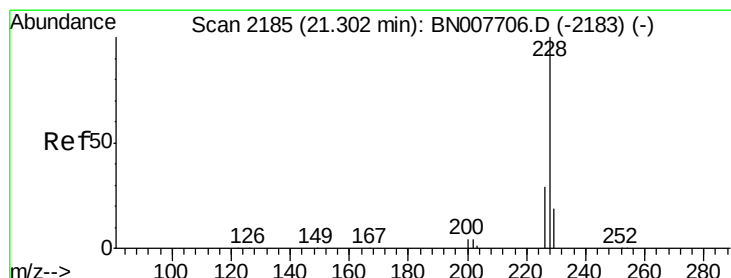
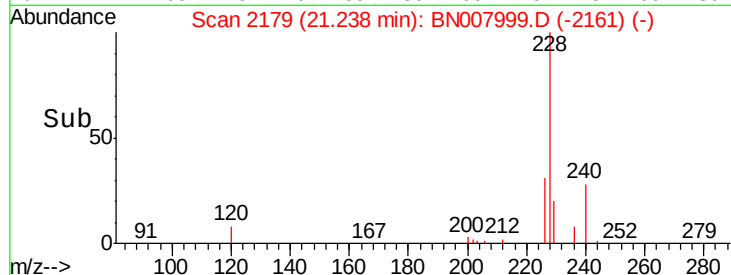
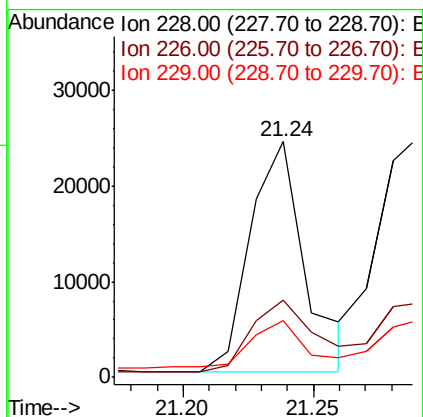
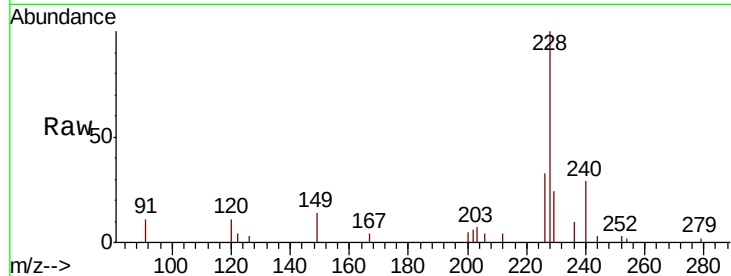
#30
Benzo(a)anthracene
Concen: 0.320 ng m
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B279-092519

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.1	33.1
229	23.9	15.8	23.6

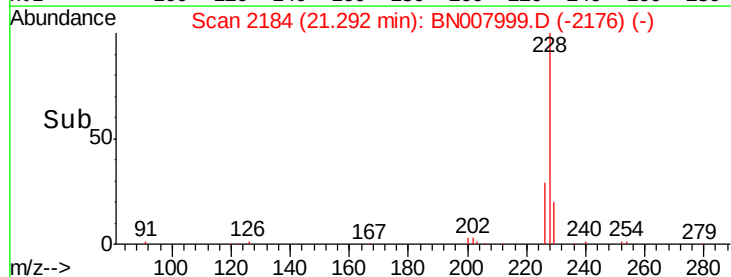
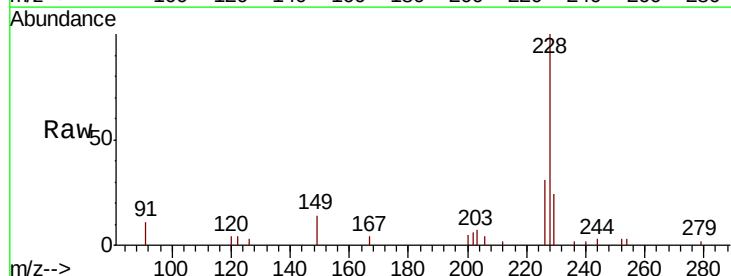
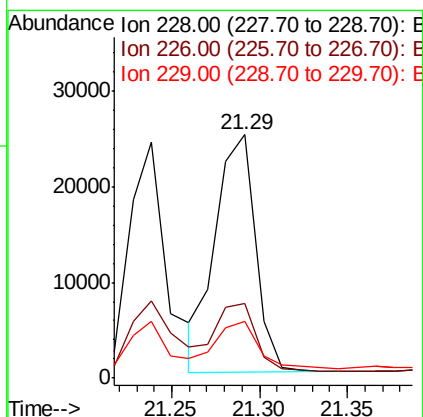
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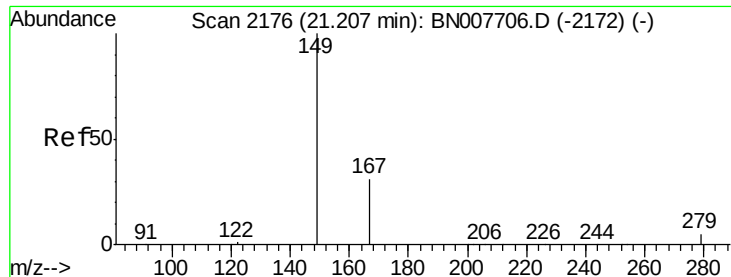
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#31
Chrysene
Concen: 0.363 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.9	35.9
229	23.6	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.198 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.03 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

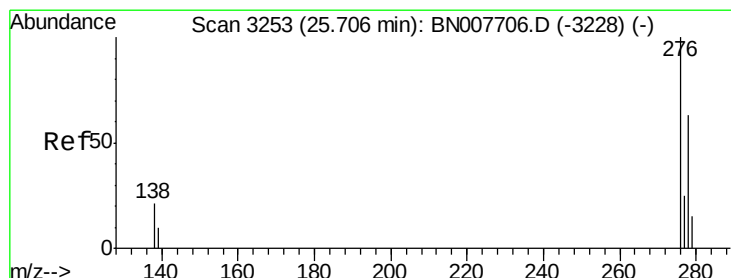
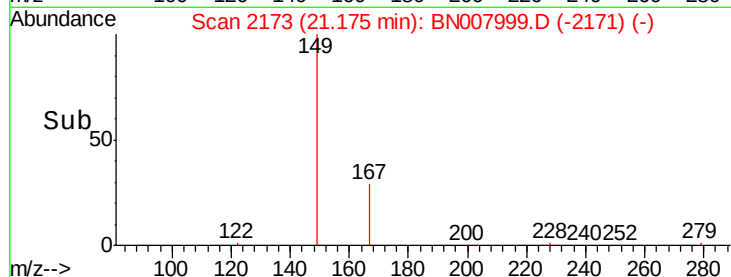
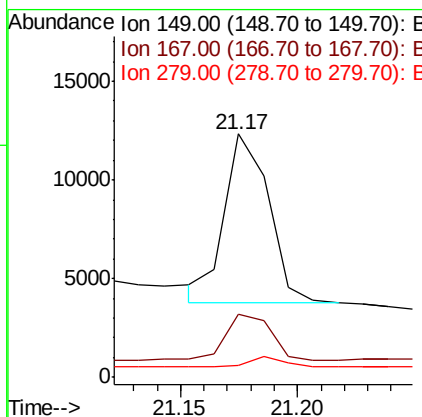
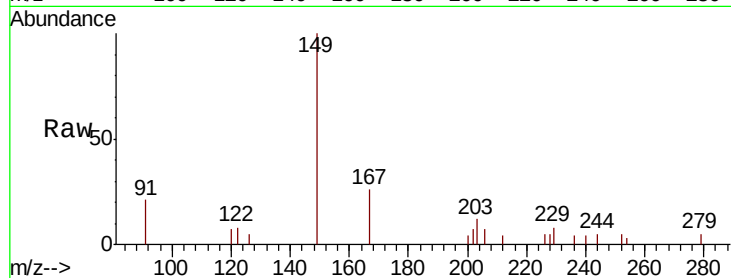
ClientSampleId :

PST-024-B279-092519

Tot Ion:	149	Resp:	11259
Ion Ratio	Lower	Upper	
149	100		
167	26.9	23.7	35.5
279	4.9	4.2	6.2

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.194 ng

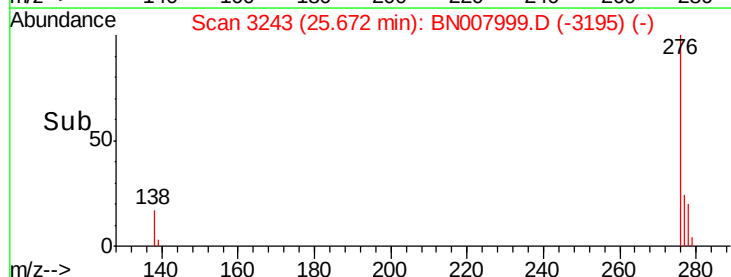
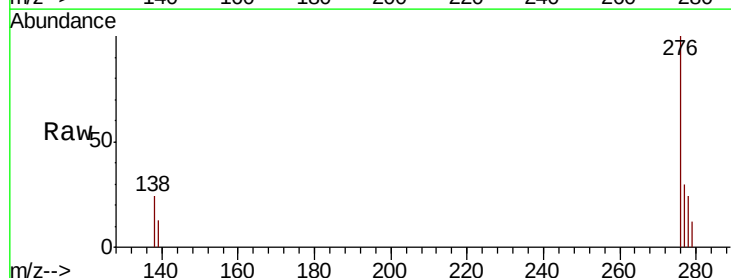
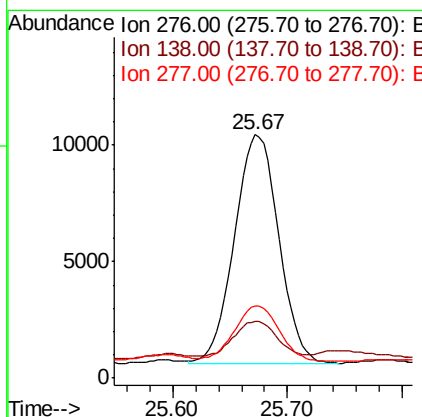
RT: 25.67 min Scan# 3243

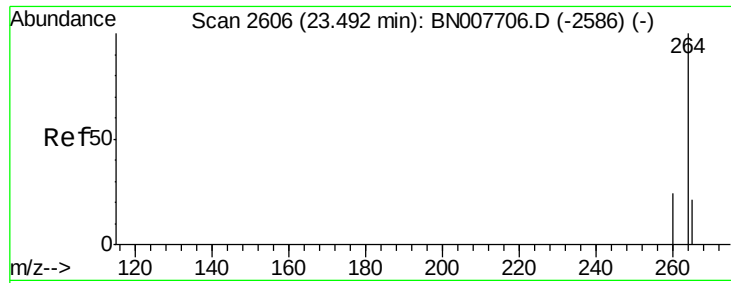
Delta R.T. -0.03 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Tgt Ion:	276	Resp:	26182
Ion Ratio	Lower	Upper	
276	100		
138	16.8	17.1	25.7#
277	24.4	20.0	30.0





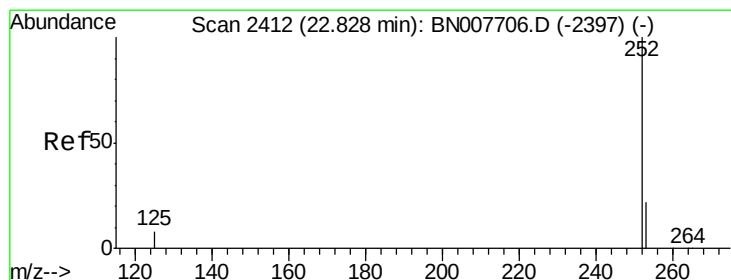
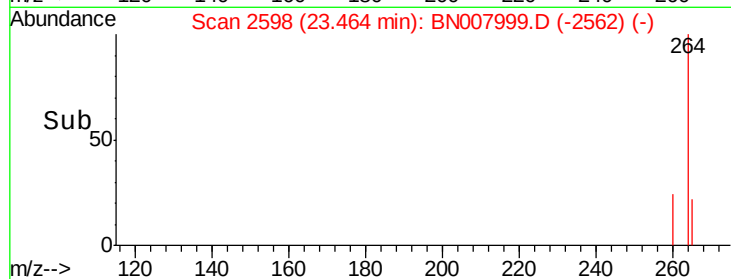
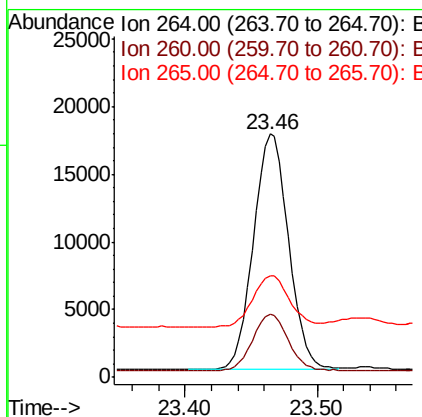
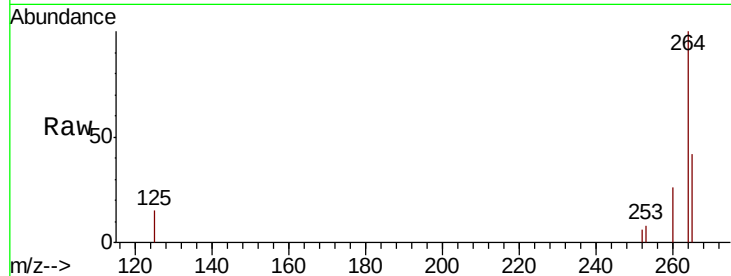
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2598
Delta R.T. -0.03 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B279-092519

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.3	28.9
265	41.9	26.9	40.3

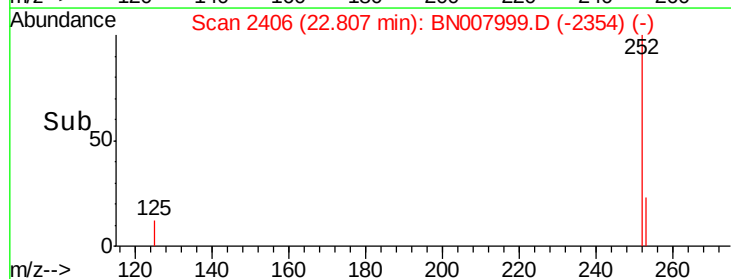
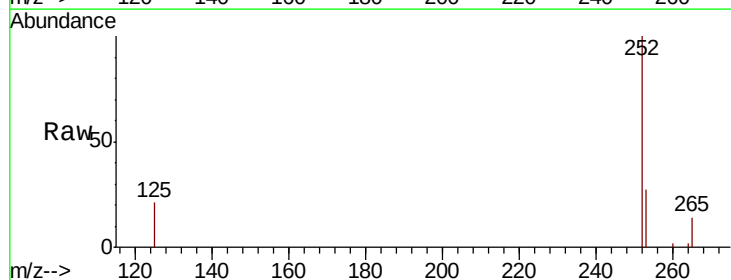
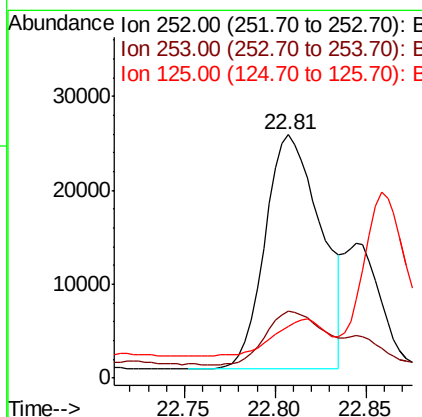
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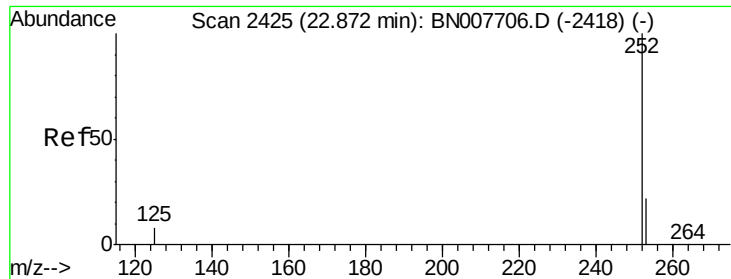
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#35
Benzo(b)fluoranthene
Concen: 0.473 ng
RT: 22.81 min Scan# 2406
Delta R.T. -0.02 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.3	27.5
125	21.4	8.2	12.4





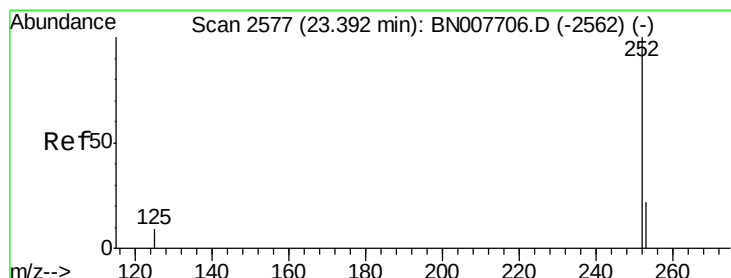
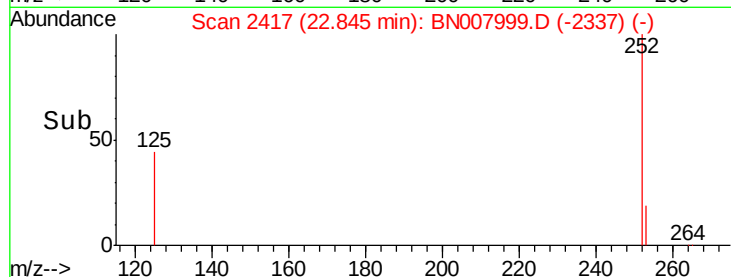
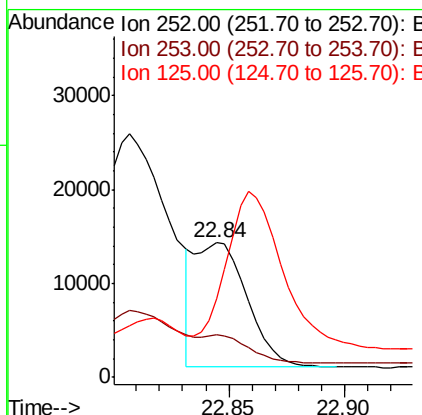
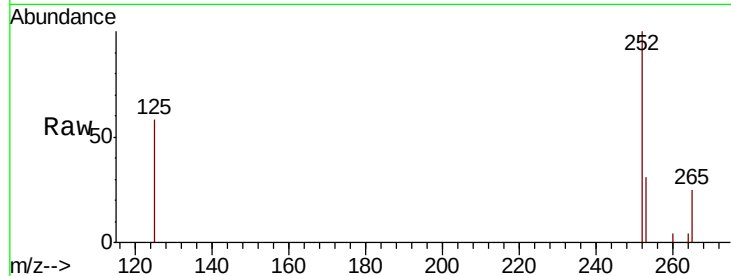
#36
Benzo(k)fluoranthene
Concen: 0.191 ng m
RT: 22.84 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B279-092519

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.4	18.5	27.7#
125	58.2	8.4	12.6#

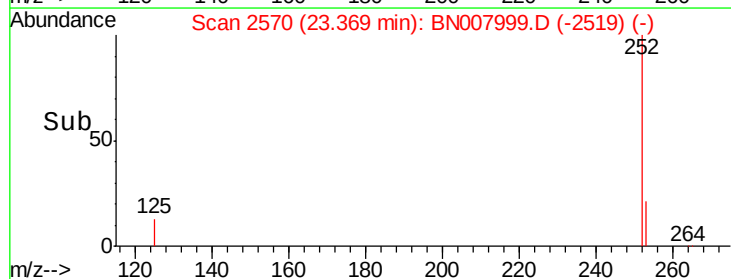
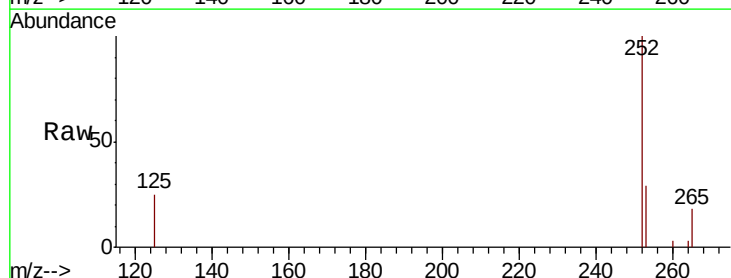
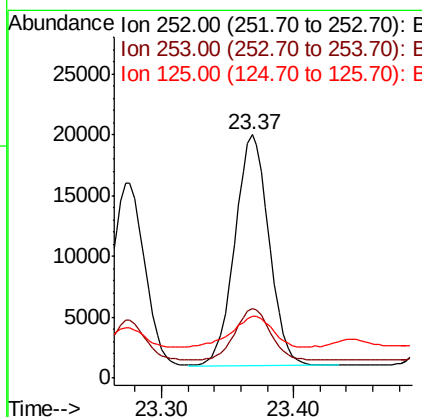
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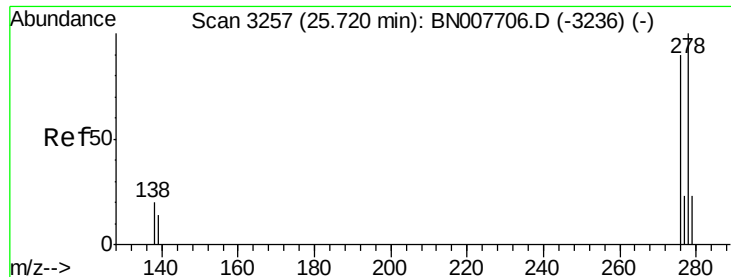
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#37
Benzo(a)pyrene
Concen: 0.324 ng
RT: 23.37 min Scan# 2570
Delta R.T. -0.02 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.6	27.8#
125	25.2	9.4	14.0#





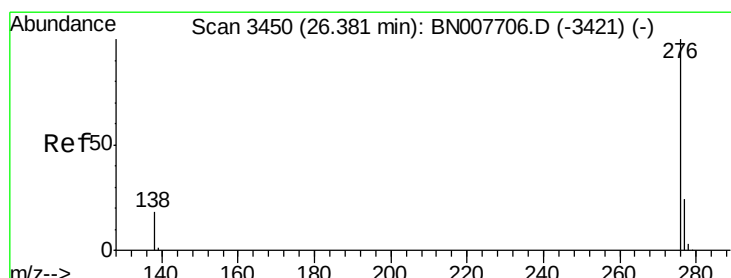
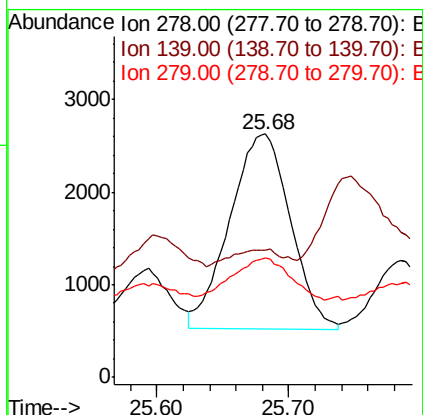
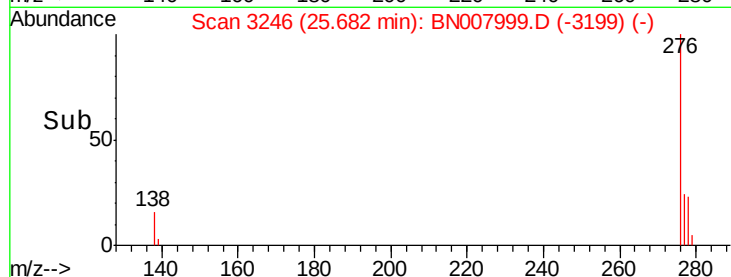
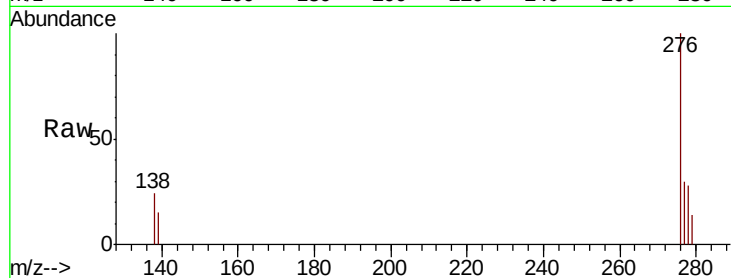
#38
Dibenzo(a,h)anthracene
Concen: 0.062 ng
RT: 25.68 min Scan# 3246
Delta R.T. -0.04 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B279-092519

Tot Ion	Ratio	Lower	Upper
278	100		
139	52.2	11.8	17.6#
279	49.3	19.4	29.2#

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#39
Benzo(g,h,i)perylene
Concen: 0.242 ng
RT: 26.35 min Scan# 3440
Delta R.T. -0.03 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.8	19.8	29.8#
138	24.5	15.1	22.7#

