

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN093019\
 Data File : BN007903.D
 Acq On : 30 Sep 2019 19:01
 Operator : JU
 Sample : K5078-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW132-092519

Manual Integrations
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mohammad
 10/2/2019 8:21:38 AM

Quant Time: Oct 01 07:54:17 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	8579	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	31876	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	17064	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	30638	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	31464	0.40	ng	-0.01
34) Perylene-d12	23.47	264	37751	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	5522	0.19	ng	0.00
5) Phenol-d6	6.86	99	7297	0.20	ng	0.00
8) Nitrobenzene-d5	8.83	82	6123	0.22	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	10801	0.20	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	1397	0.15	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	14439	0.21	ng	-0.01
25) Fluoranthene-d10	19.09	212	17825	0.17	ng	-0.01
29) Terphenyl-d14	19.70	244	13910	0.18	ng	-0.01

Target Compounds				Qvalue		
16) Acenaphthylene	14.04	152	9525	0.105	ng	99
17) Acenaphthene	14.38	154	5972	0.102	ng	96
18) Fluorene	15.36	166	8288	0.111	ng	98
23) Phenanthrene	17.10	178	245245	2.570	ng	100
24) Anthracene	17.19	178	19934	0.231	ng	# 92
26) Fluoranthene	19.12	202	517401	4.360	ng	100
28) Pyrene	19.49	202	409640	3.817	ng	# 96
30) Benzo(a)anthracene	21.24	228	181863	1.570	ng	99
31) Chrysene	21.29	228	225453	1.997	ng	98
32) Bis(2-ethylhexyl)phthalate	21.19	149	39211	0.658	ng	99
33) Indeno(1,2,3-cd)pyrene	25.68	276	196759	1.392	ng	96
35) Benzo(b)fluoranthene	22.81	252	350906	2.677	ng	99
36) Benzo(k)fluoranthene	22.85	252	123993m	0.957	ng	
37) Benzo(a)pyrene	23.38	252	229979	1.867	ng	99
38) Dibenzo(a,h)anthracene	25.68	278	41256	0.327	ng	95
39) Benzo(g,h,i)perylene	26.35	276	199293	1.598	ng	99

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

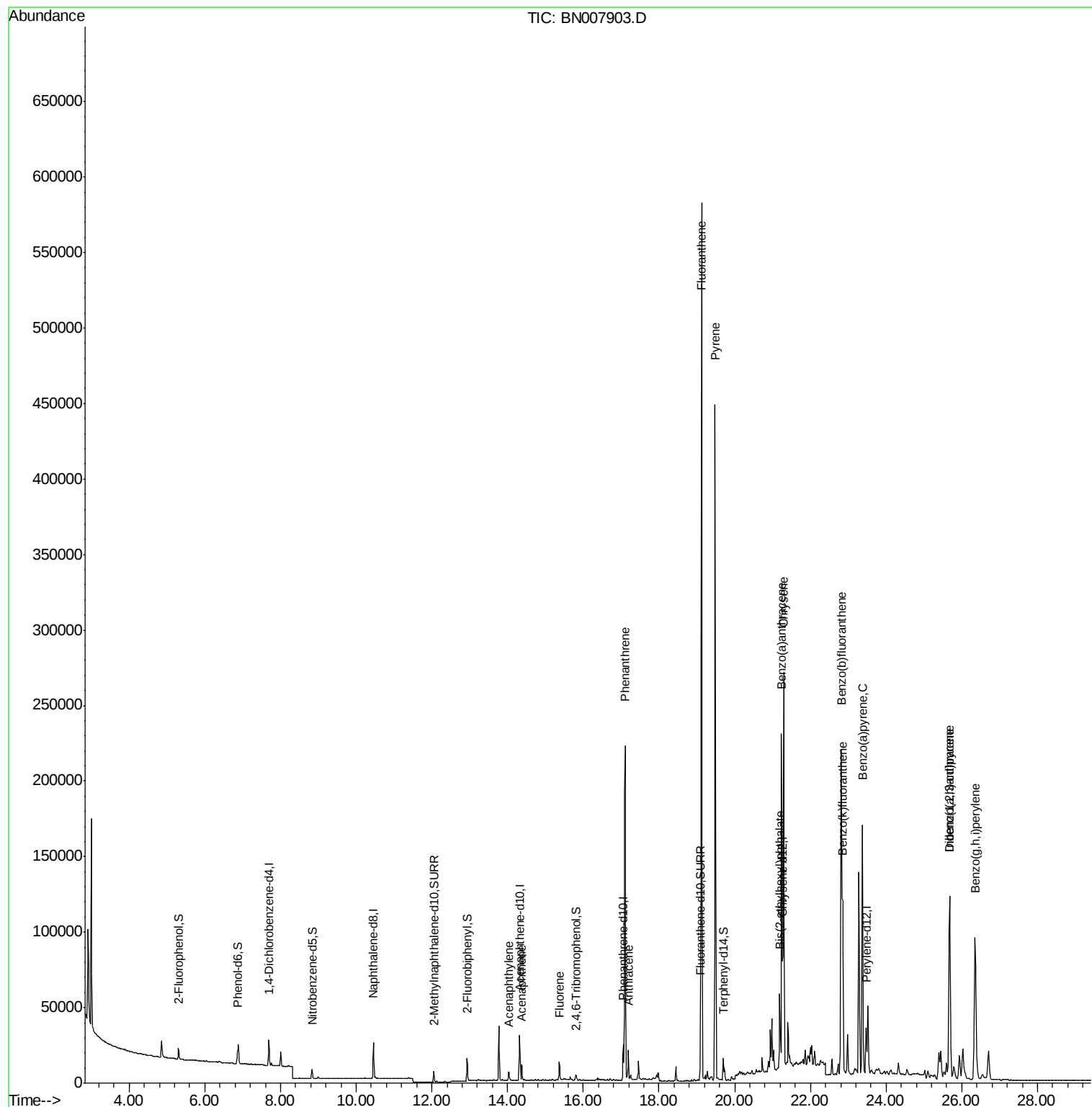
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN093019\
Data File : BN007903.D
Acq On : 30 Sep 2019 19:01
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Misc :
ALS Vial : 15 Sample Multiplier: 1

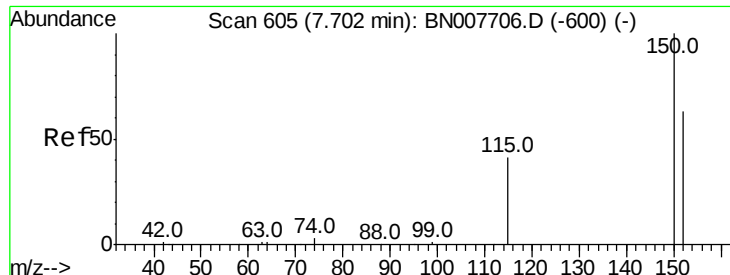
Instrument :
BNA_N
ClientSampleId :
PST-024-SW132-092519

Quant Time: Oct 01 07:54:17 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
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#1

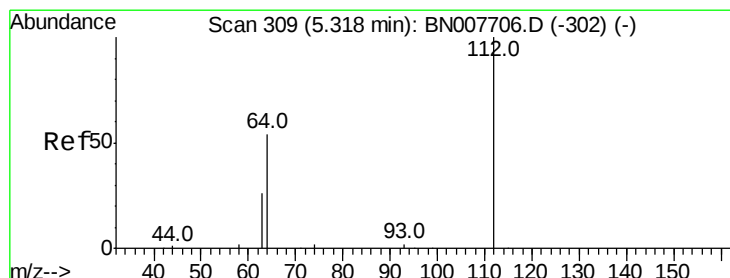
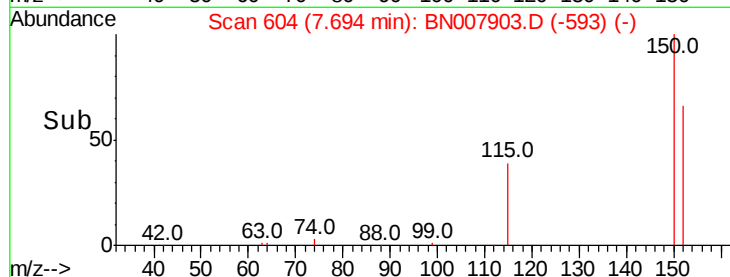
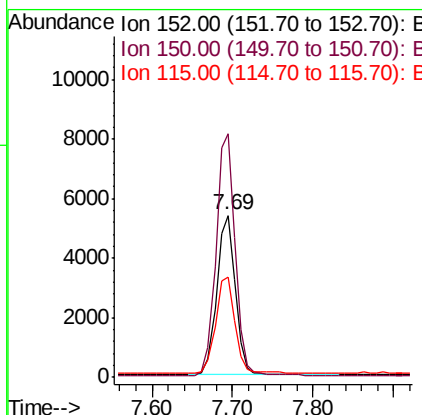
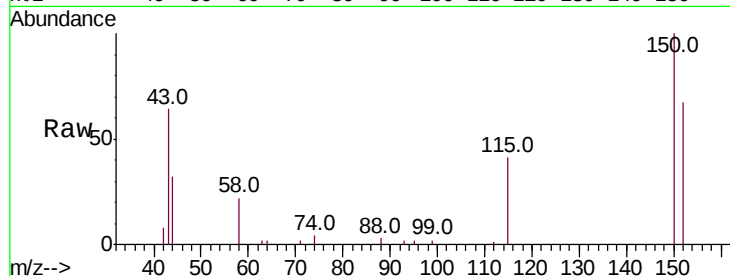
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Instrument :
BNA_N
ClientSampleId :
PST-024-SW132-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.3	125.6	188.4
115	61.6	53.3	79.9

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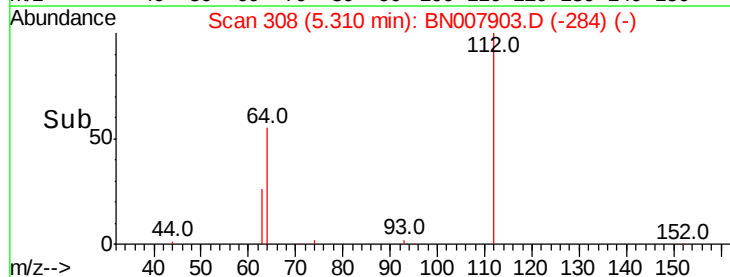
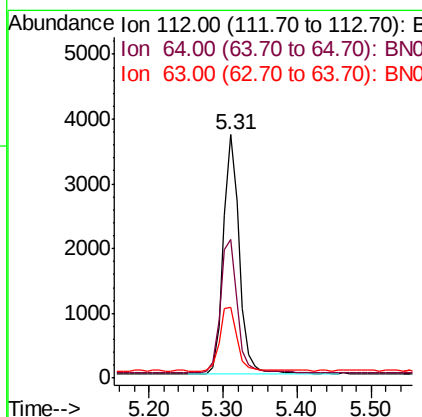
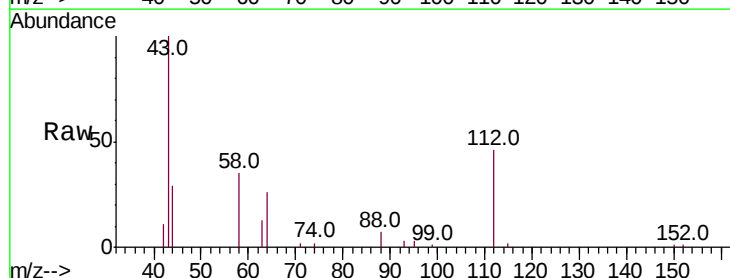
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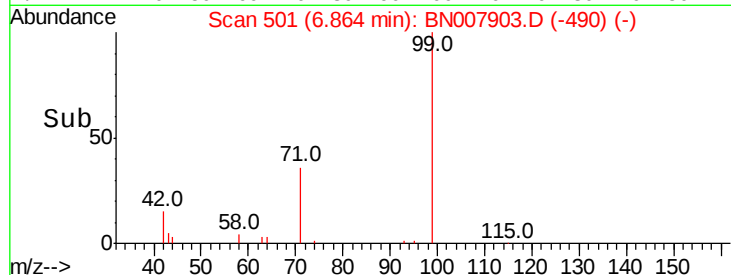
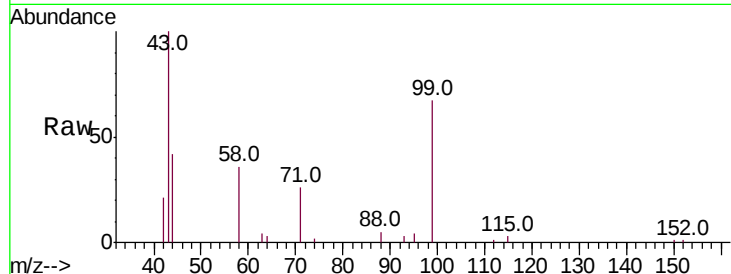
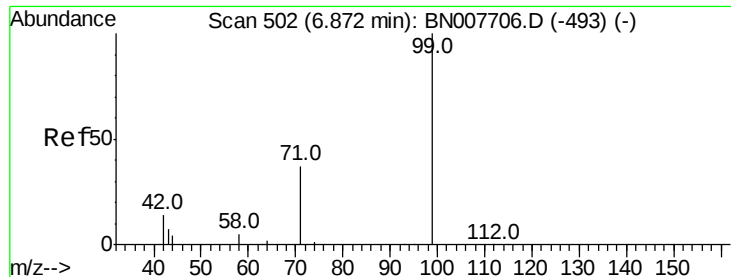


#4

2-Fluorophenol
Concen: 0.187 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.6	70.0
63	28.7	23.1	34.7





#5

Phenol-d6

Concen: 0.195 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007903.D

Acq: 30 Sep 2019 19:01

Tot Ion:	99	Resp:	7297
Ion Ratio	Lower	Upper	
99	100		
42	22.6	12.8	19.2#
71	33.1	27.6	41.4

Instrument :

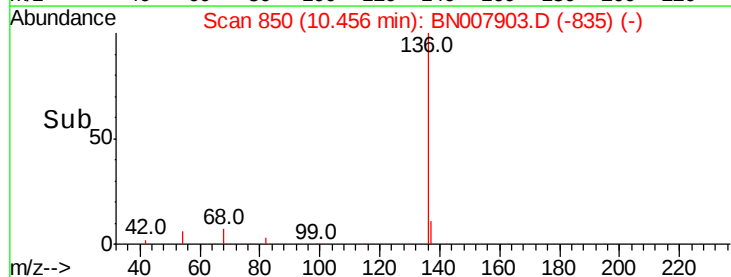
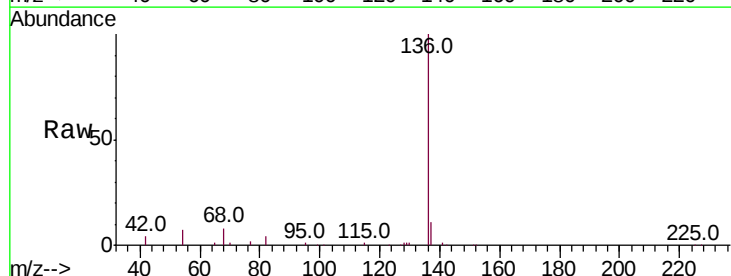
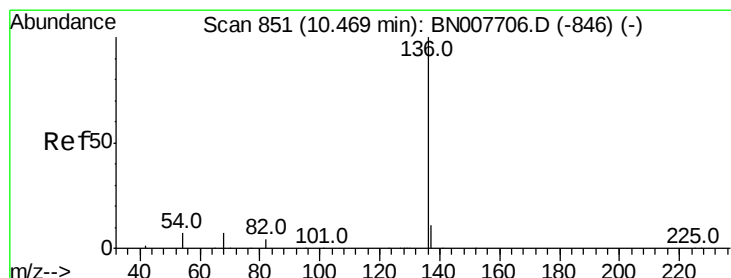
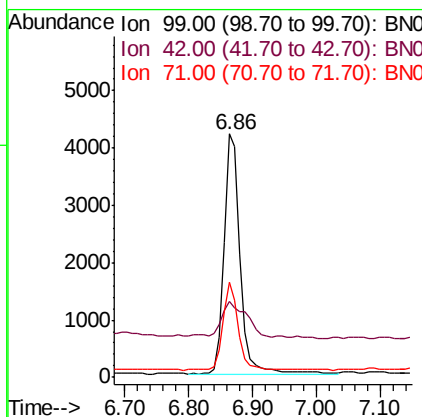
BNA_N

ClientSampleId :

PST-024-SW132-092519

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#7

Naphthalene-d8

Concen: 0.400 ng

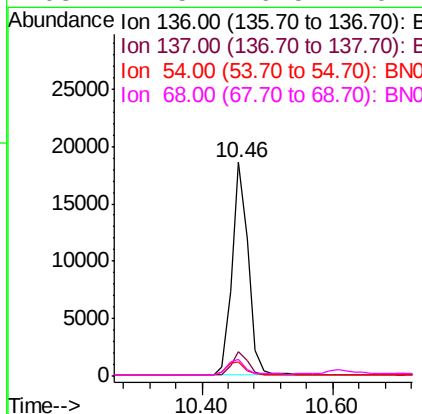
RT: 10.46 min Scan# 850

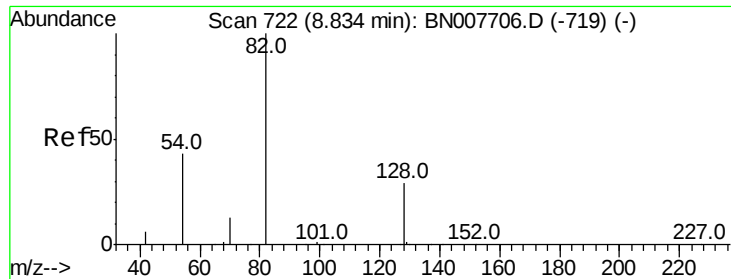
Delta R.T. -0.01 min

Lab File: BN007903.D

Acq: 30 Sep 2019 19:01

Tgt Ion:	136	Resp:	31876
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.2	13.8
54	6.6	5.8	8.8
68	7.5	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.220 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007903.D

Acq: 30 Sep 2019 19:01

Instrument :

BNA_N

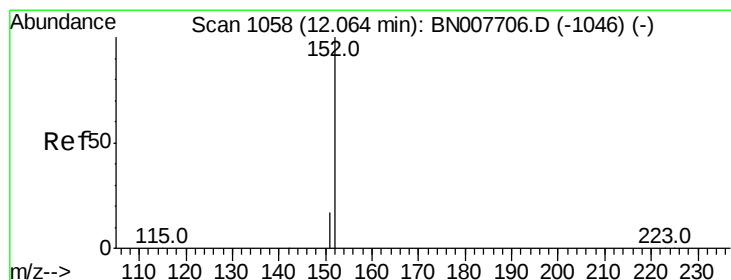
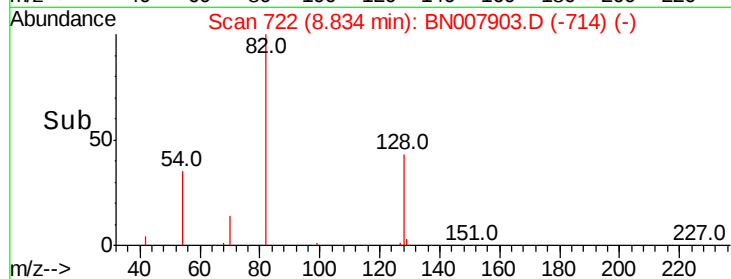
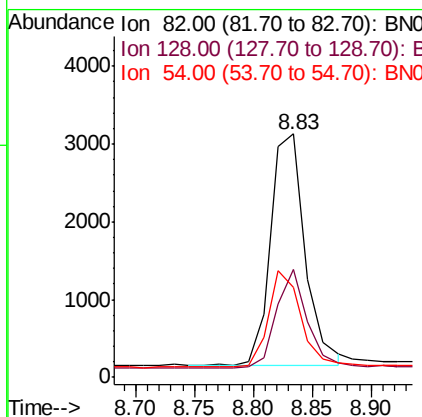
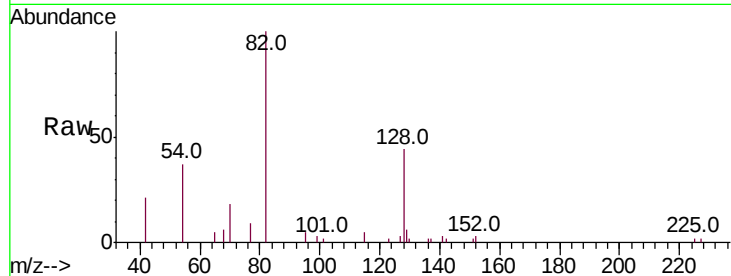
ClientSampleId :

PST-024-SW132-092519

Tot Ion:	82	Resp:	6123
Ion Ratio	Lower	Upper	
82	100		
128	44.1	24.5	36.7#
54	37.0	35.2	52.8

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#11

2-Methylnaphthalene-d10

Concen: 0.201 ng

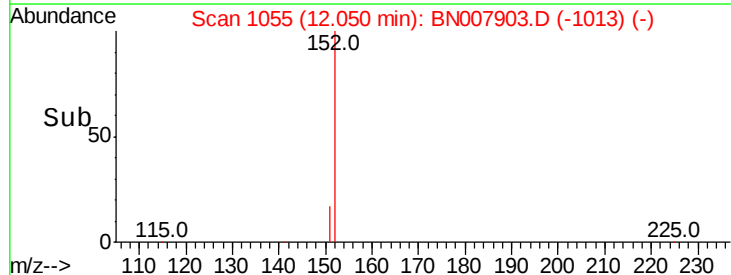
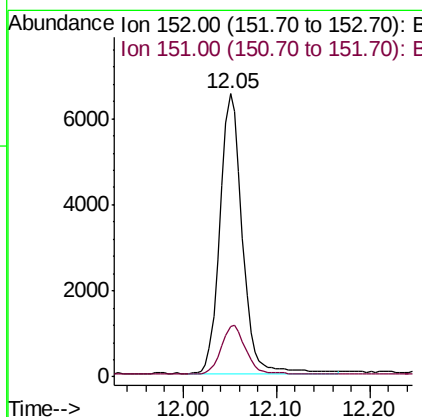
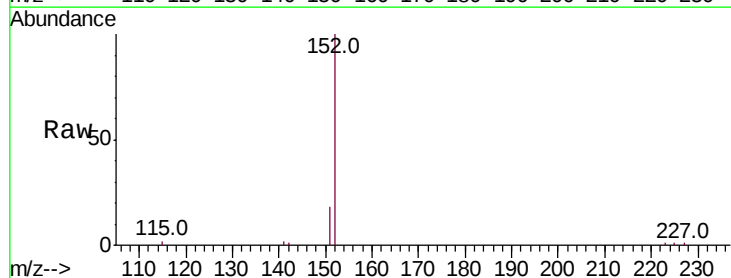
RT: 12.05 min Scan# 1055

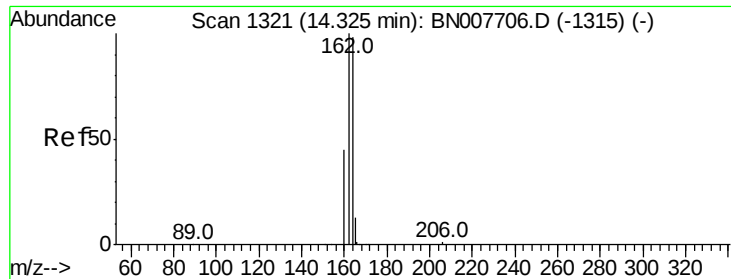
Delta R.T. -0.01 min

Lab File: BN007903.D

Acq: 30 Sep 2019 19:01

Tgt Ion:	152	Resp:	10801
Ion Ratio	Lower	Upper	
152	100		
151	18.8	15.4	23.2





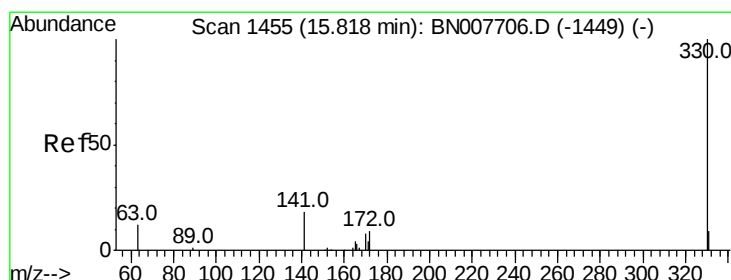
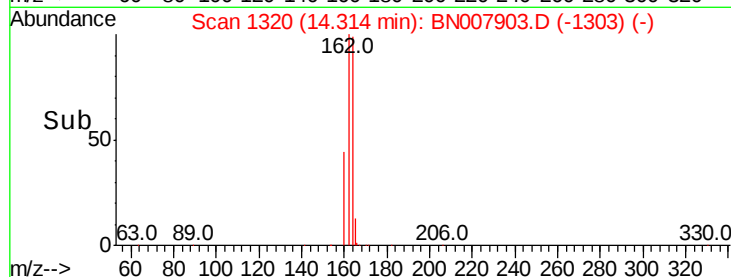
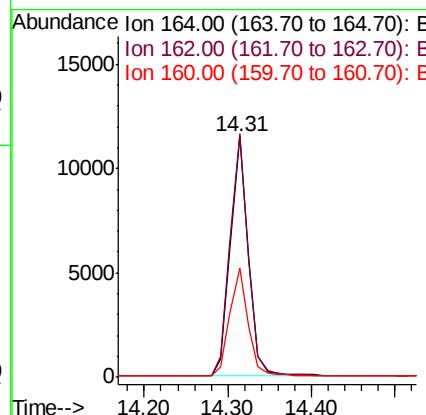
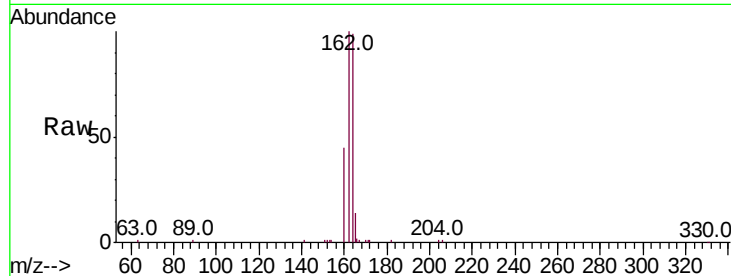
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Instrument :
BNA_N
ClientSampleId :
PST-024-SW132-092519

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.7	122.5
160	45.2	37.0	55.4

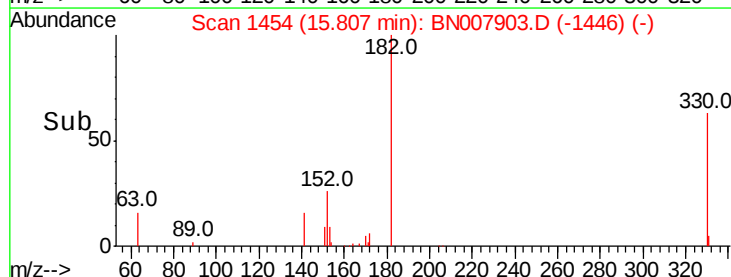
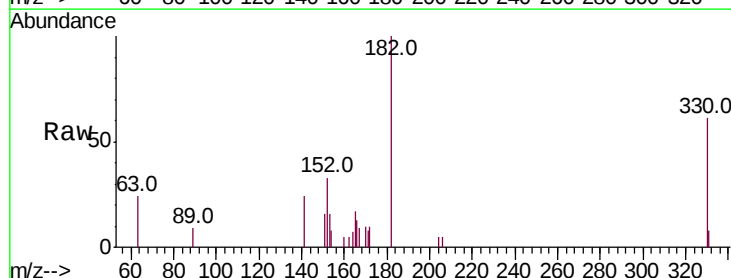
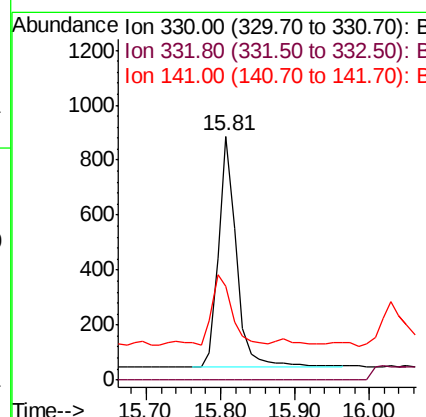
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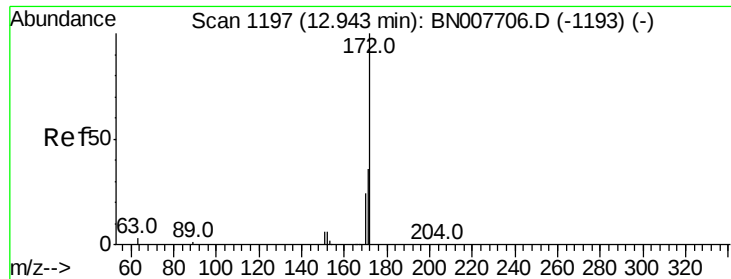
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#14
2,4,6-Tribromophenol
Concen: 0.150 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.2	28.7	43.1





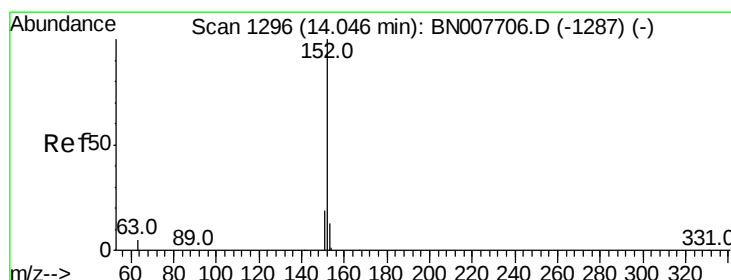
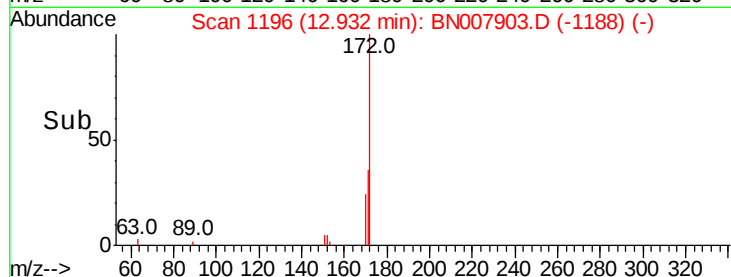
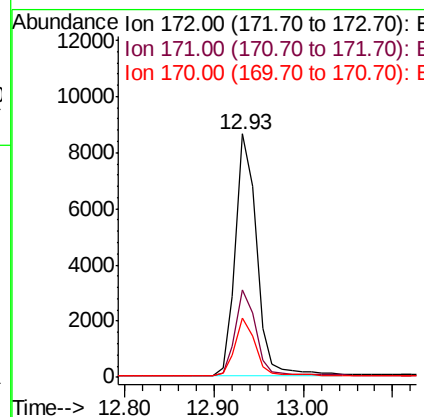
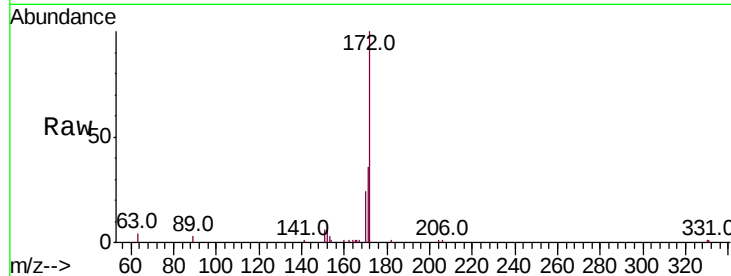
#15
2-Fluorobiphenyl
Concen: 0.205 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Instrument :
BNA_N
ClientSampleId :
PST-024-SW132-092519

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	24.3	19.5	29.3

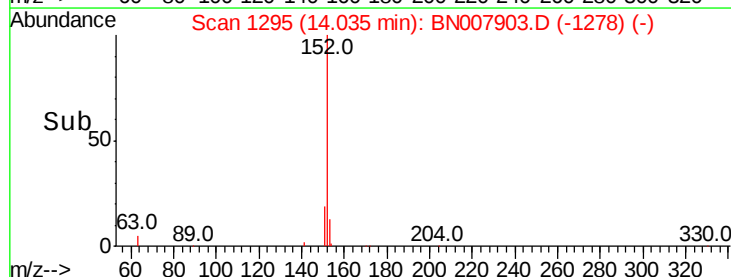
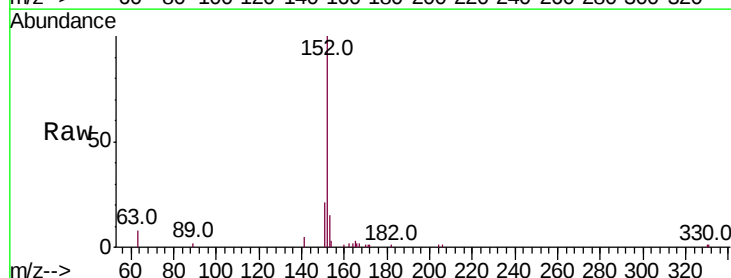
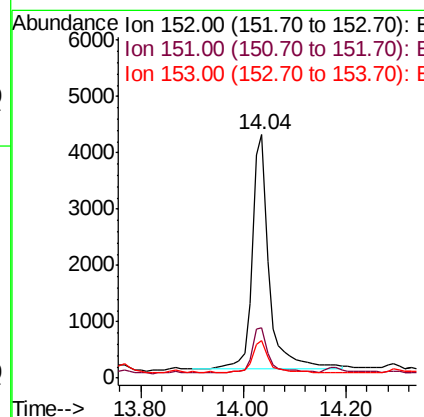
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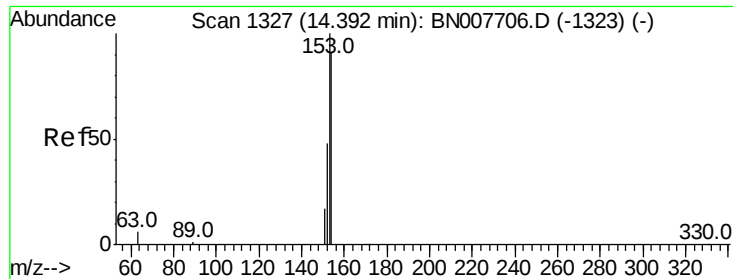
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#16
Acenaphthylene
Concen: 0.105 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.5	23.3
153	12.6	10.4	15.6





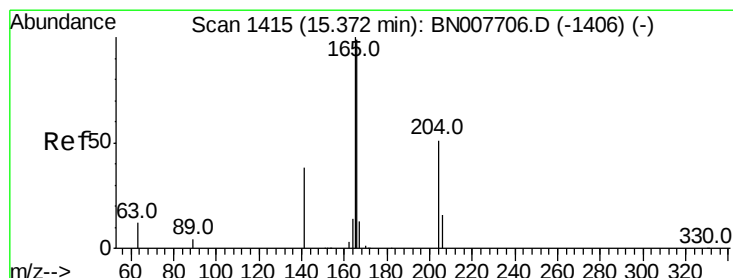
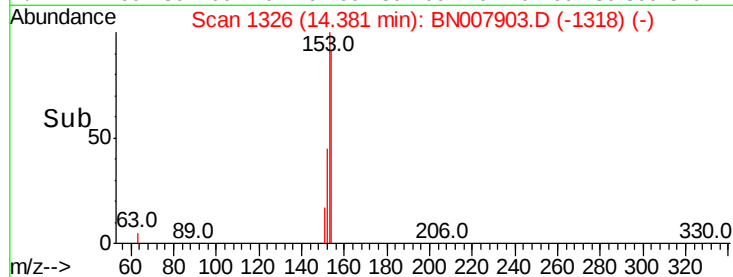
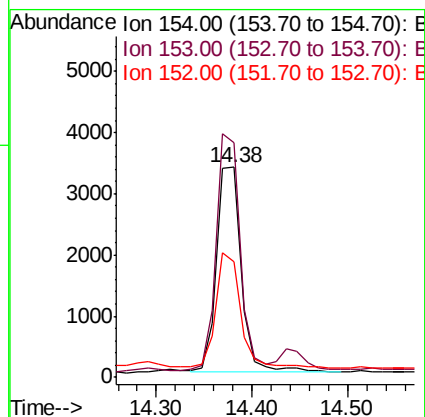
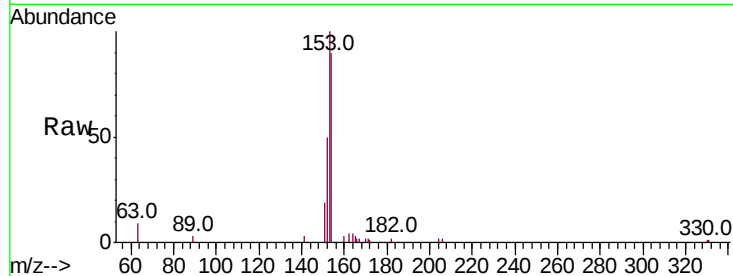
#17
Acenaphthene
Concen: 0.102 ng
RT: 14.38 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Instrument :
BNA_N
ClientSampleId :
PST-024-SW132-092519

Tot Ion:	154	Resp:	5972
Ion Ratio	Lower	Upper	
154	100		
153	111.6	87.0	130.4
152	57.3	42.7	64.1

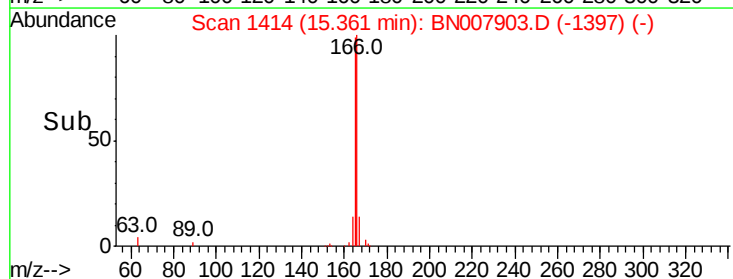
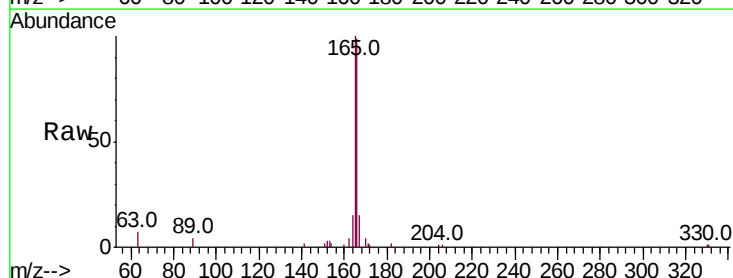
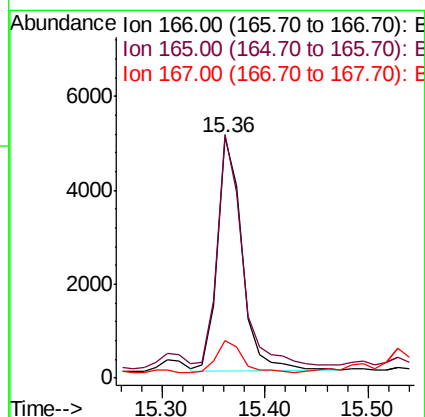
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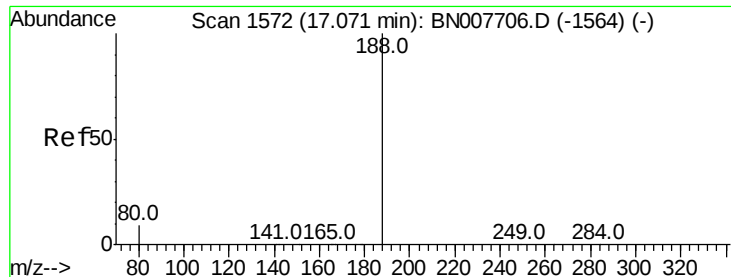
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#18
Fluorene
Concen: 0.111 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Tgt Ion:	166	Resp:	8288
Ion Ratio	Lower	Upper	
166	100		
165	99.1	78.0	117.0
167	15.1	10.9	16.3





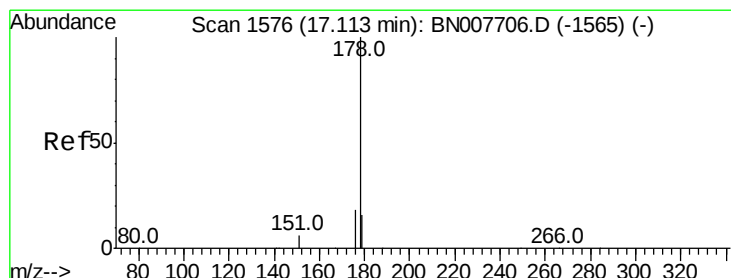
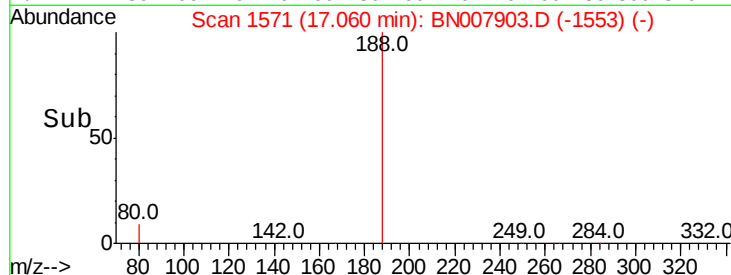
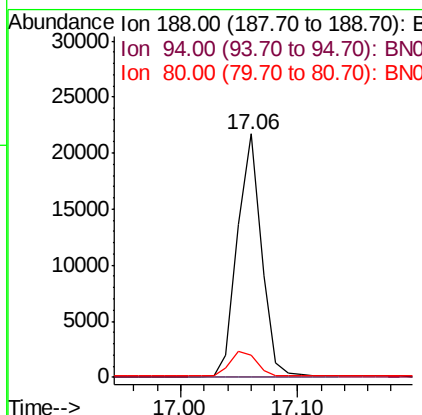
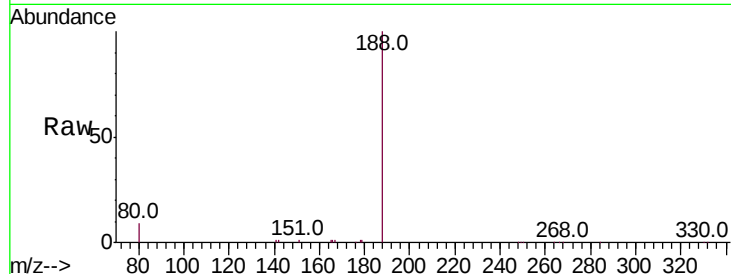
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Instrument :
BNA_N
ClientSampleId :
PST-024-SW132-092519

Tot Ion	Ratio	Resp	Lower	Upper
188	100	30638		
94	0.0	0.0	0.0	0.0
80	9.2	7.4	11.2	

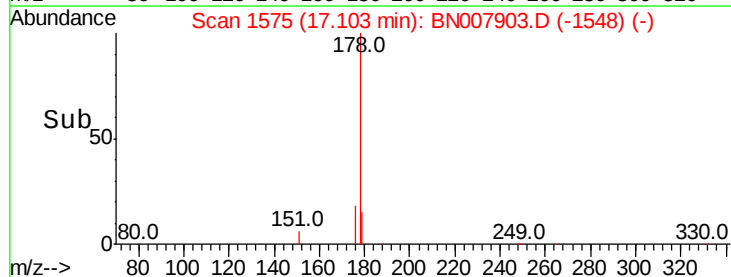
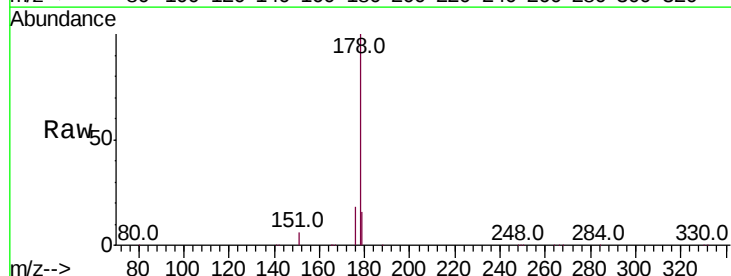
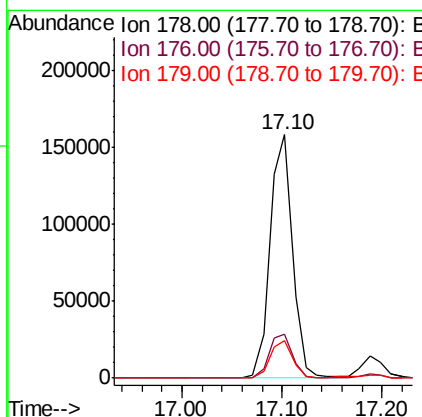
Manual Integrations
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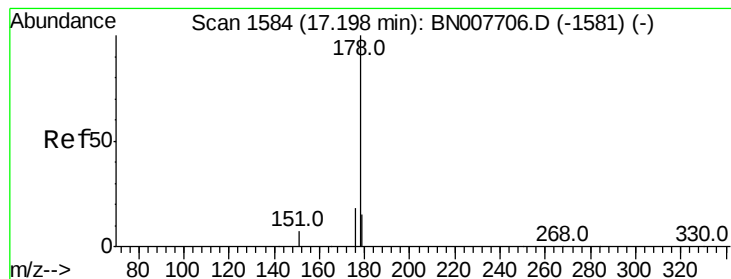
mohammad
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#23
Phenanthrene
Concen: 2.570 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	245245		
176	18.7	14.9	22.3	
179	15.3	12.5	18.7	





#24

Anthracene

Concen: 0.231 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007903.D

Acq: 30 Sep 2019 19:01

Instrument :

BNA_N

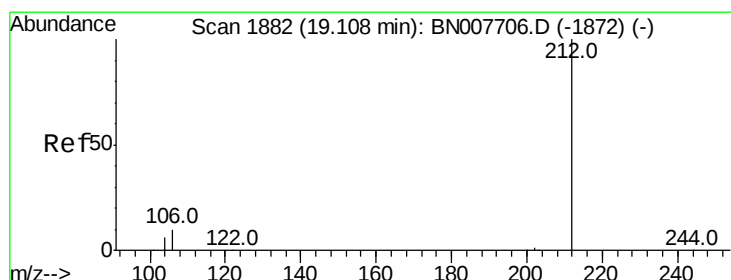
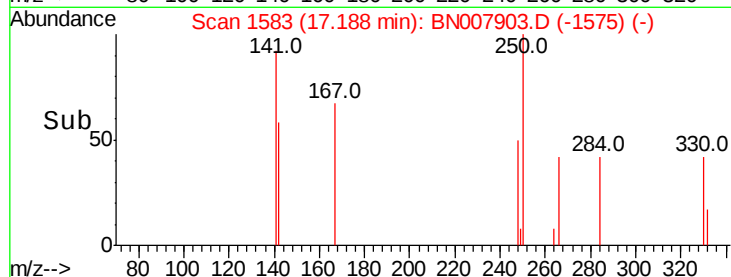
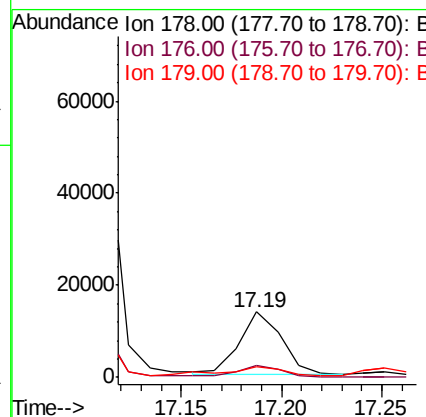
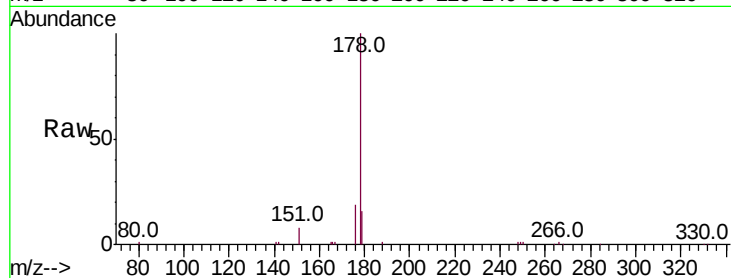
ClientSampleId :

PST-024-SW132-092519

Tot Ion:	178	Resp:	19934
Ion Ratio	Lower	Upper	
178	100		
176	20.1	14.6	21.8
179	20.5	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.173 ng

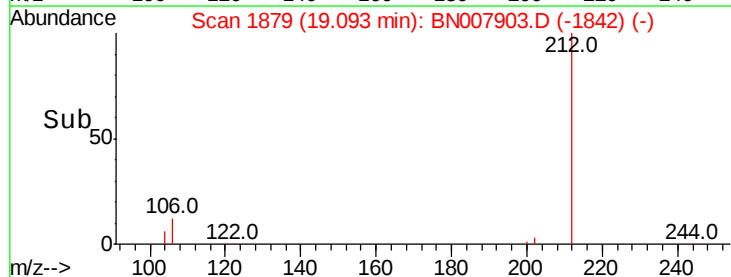
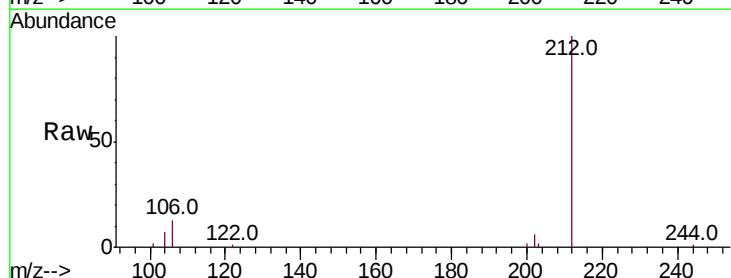
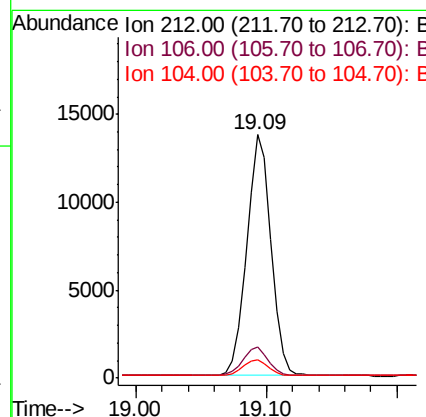
RT: 19.09 min Scan# 1879

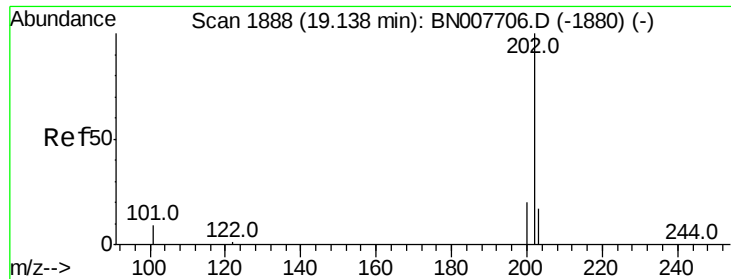
Delta R.T. -0.01 min

Lab File: BN007903.D

Acq: 30 Sep 2019 19:01

Tgt Ion:	212	Resp:	17825
Ion Ratio	Lower	Upper	
212	100		
106	11.9	9.4	14.0
104	6.9	5.3	7.9





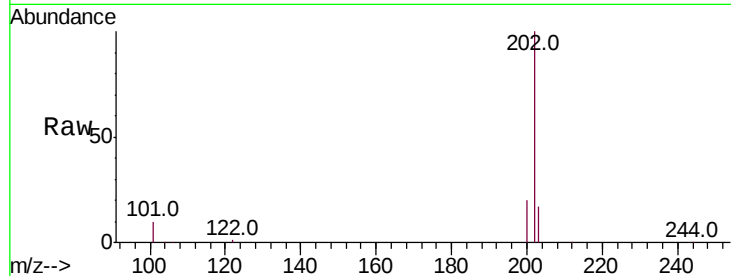
#26
 Fluoranthene
 Concen: 4.360 ng
 RT: 19.12 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: BN007903.D
 Acq: 30 Sep 2019 19:01

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW132-092519

Tot Ion	Ratio	Resp	Lower	Upper
202	100	517401		
101	10.5		8.4	12.6
203	17.4		13.8	20.8

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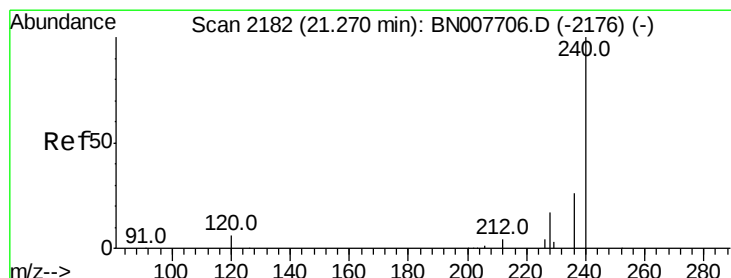
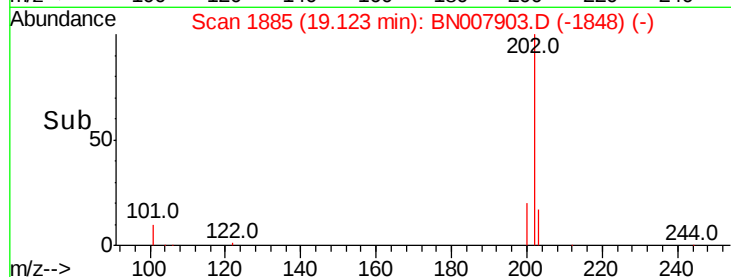
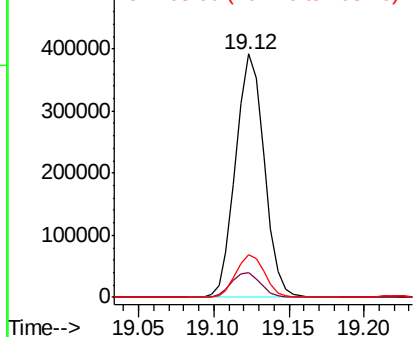


Abundance

Ion 202.00 (201.70 to 202.70): E

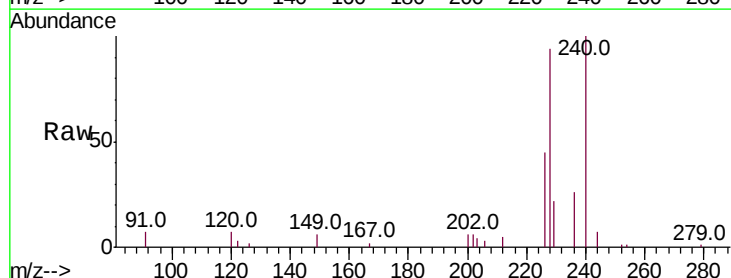
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.26 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BN007903.D
 Acq: 30 Sep 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	31464		
120	7.1		5.4	8.2
236	26.3		21.0	31.4

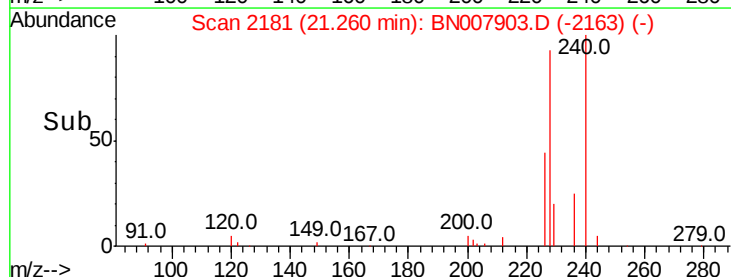
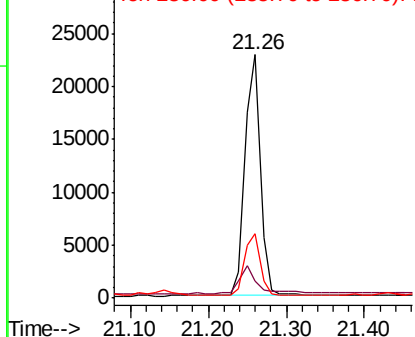


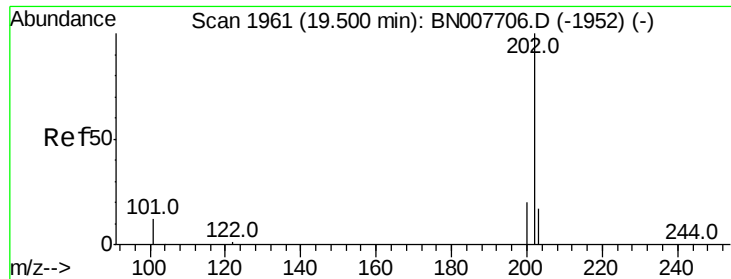
Abundance

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





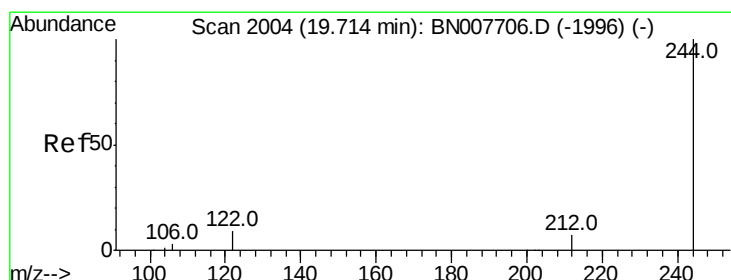
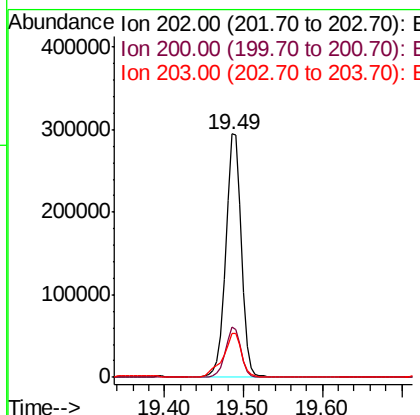
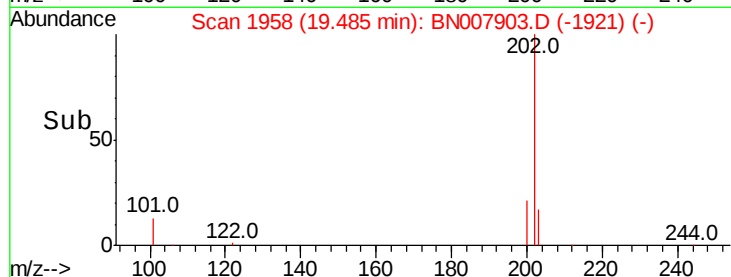
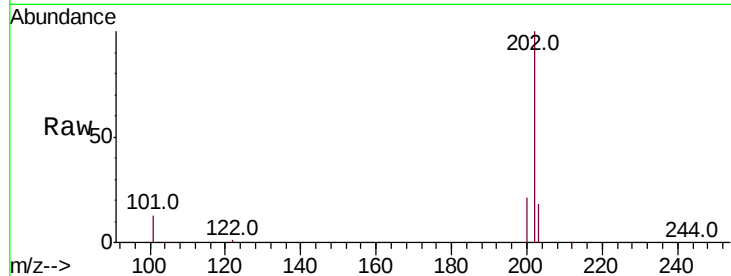
#28
Pvrene
Concen: 3.817 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Instrument :
BNA_N
ClientSampleId :
PST-024-SW132-092519

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.5	16.4	24.6	
203	21.1	14.1	21.1	

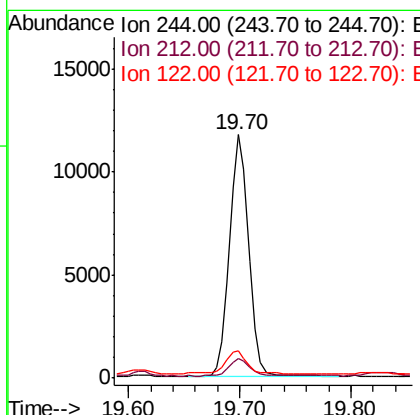
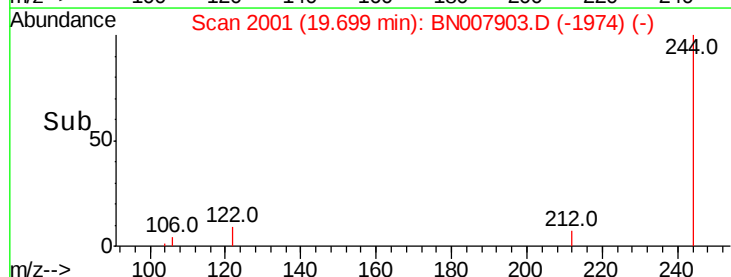
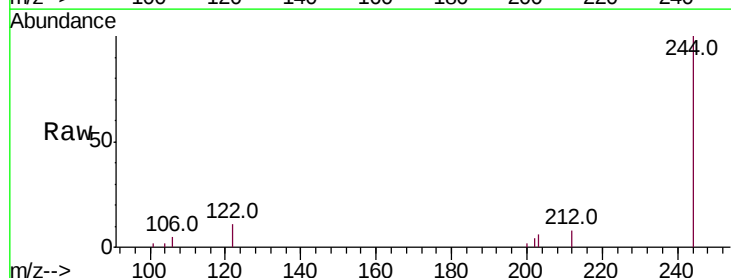
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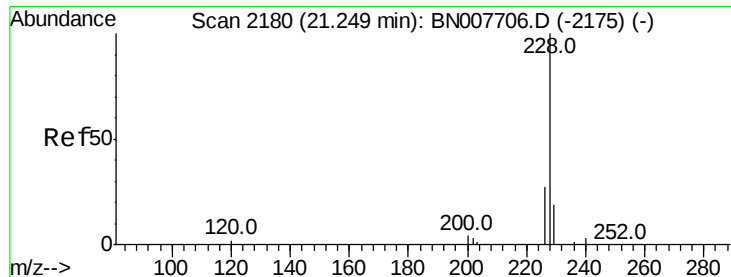
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#29
Terphenyl-d14
Concen: 0.180 ng
RT: 19.70 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.9	5.9	8.9	
122	11.1	7.4	11.2	





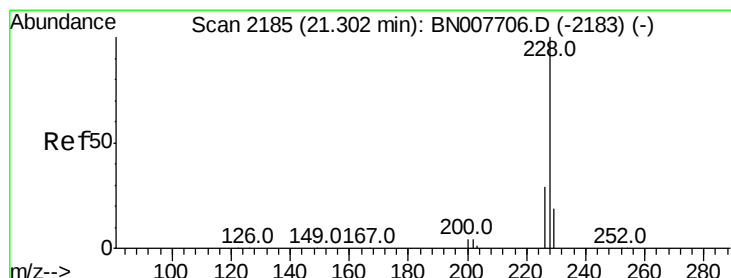
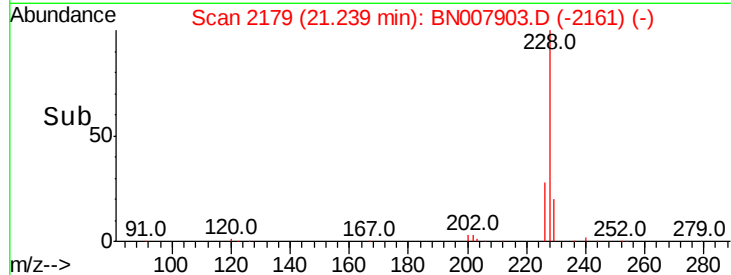
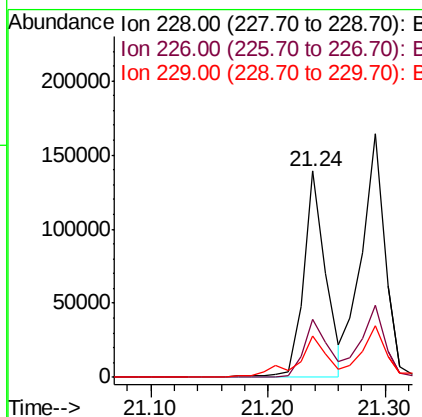
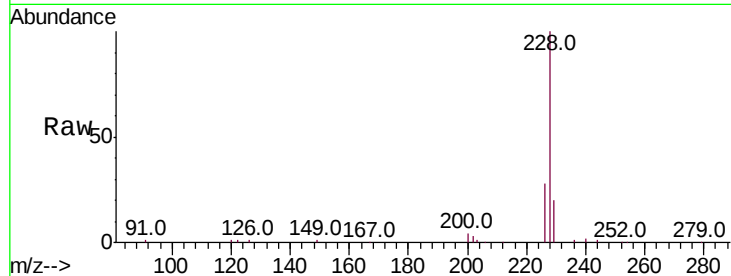
#30
Benzo(a)anthracene
Concen: 1.570 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Instrument :
BNA_N
ClientSampleId :
PST-024-SW132-092519

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.1	33.1
229	20.3	15.8	23.6

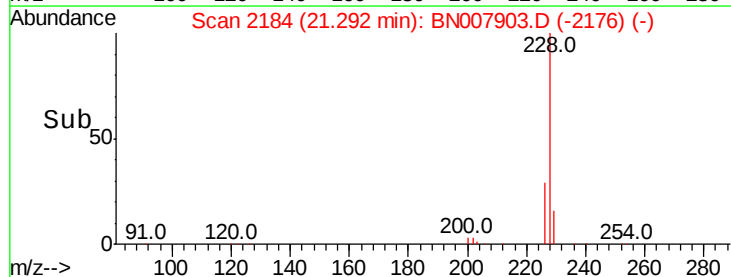
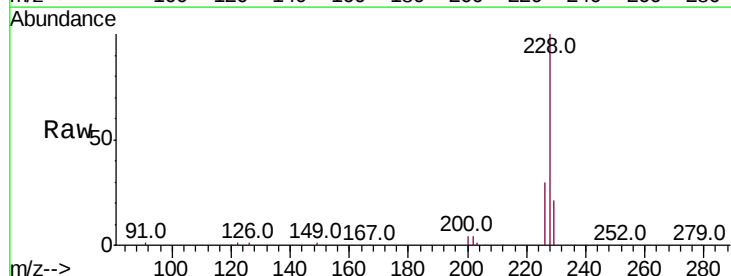
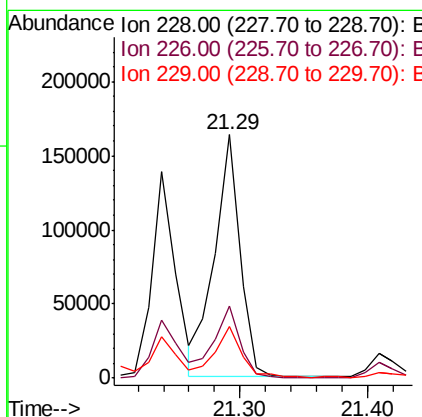
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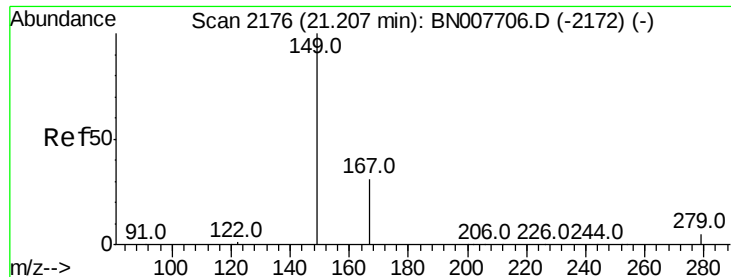
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#31
Chrysene
Concen: 1.997 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.9	35.9
229	21.2	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.658 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007903.D

Acq: 30 Sep 2019 19:01

Instrument :

BNA_N

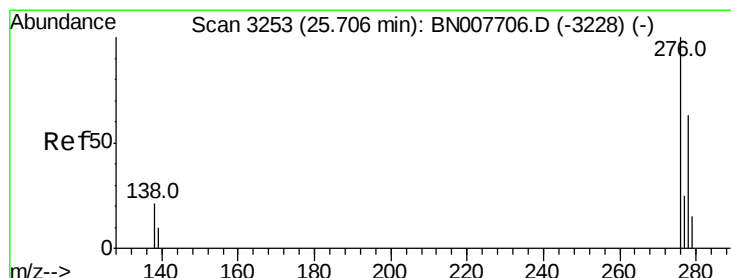
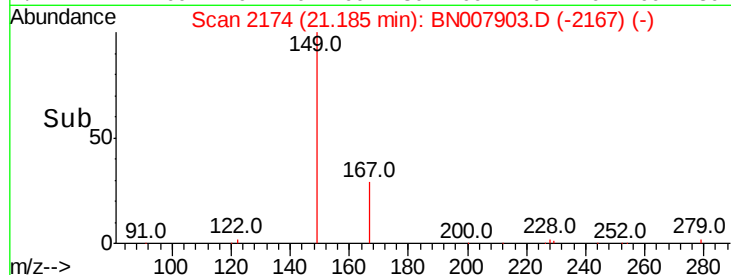
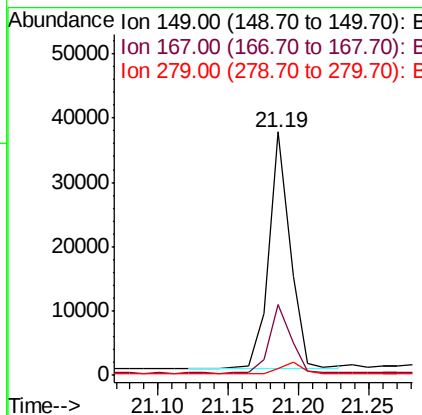
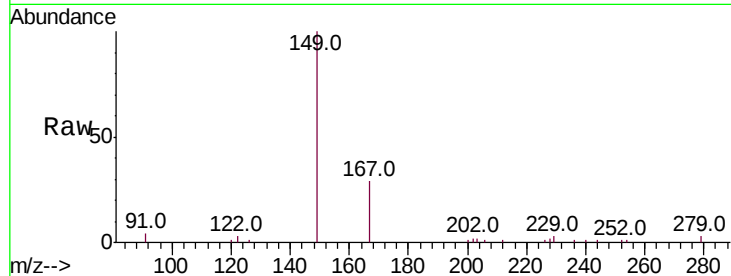
ClientSampleId :

PST-024-SW132-092519

Tot Ion:	149	Resp:	39211
Ion Ratio	Lower	Upper	
149	100		
167	28.8	23.7	35.5
279	5.2	4.2	6.2

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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.392 ng

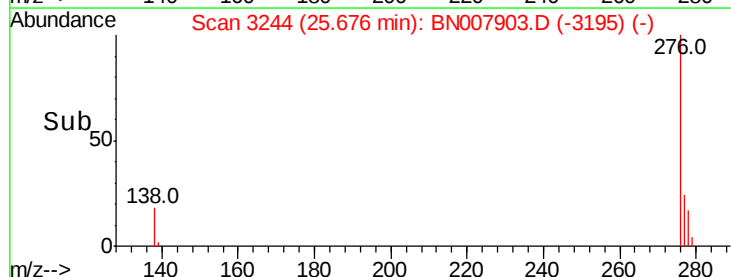
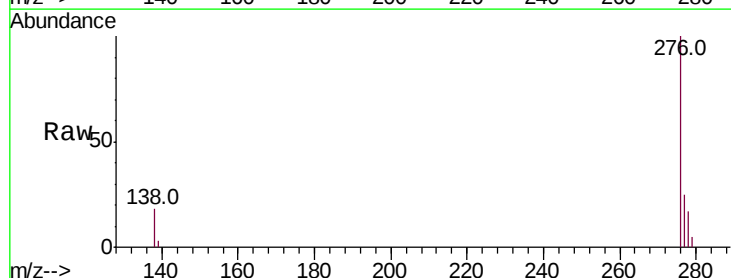
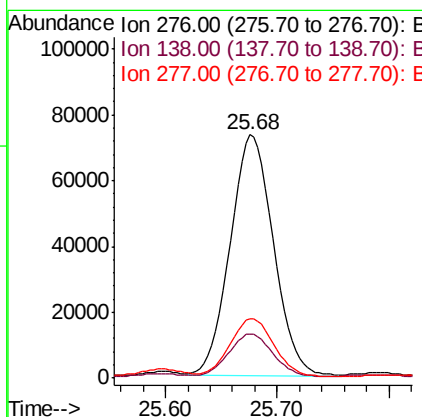
RT: 25.68 min Scan# 3244

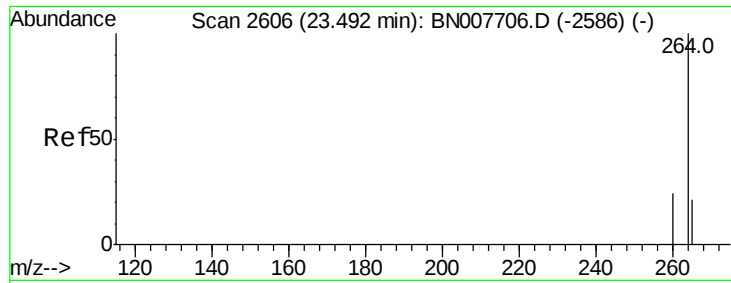
Delta R.T. -0.03 min

Lab File: BN007903.D

Acq: 30 Sep 2019 19:01

Tgt Ion:	276	Resp:	196759
Ion Ratio	Lower	Upper	
276	100		
138	17.7	17.1	25.7
277	24.3	20.0	30.0





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.47 min Scan# 2600

Delta R.T. -0.02 min

Lab File: BN007903.D

Acq: 30 Sep 2019 19:01

Instrument :

BNA_N

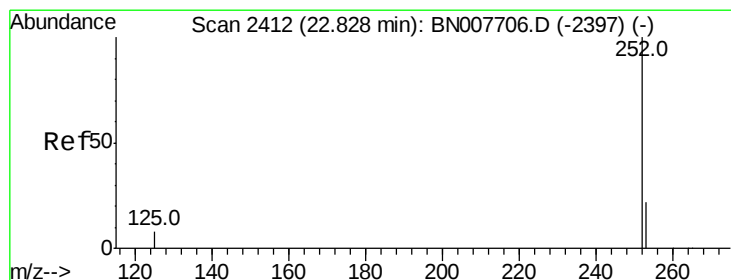
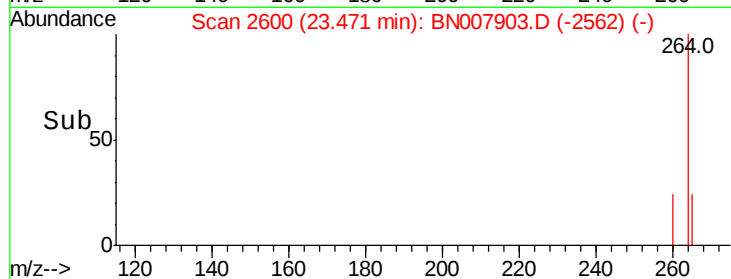
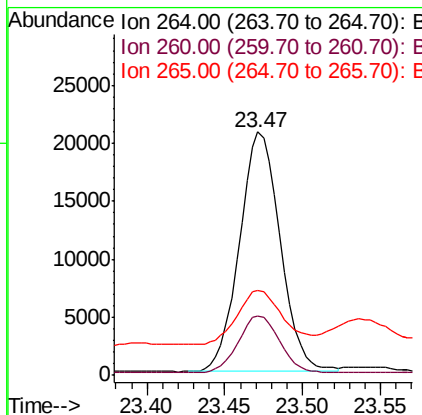
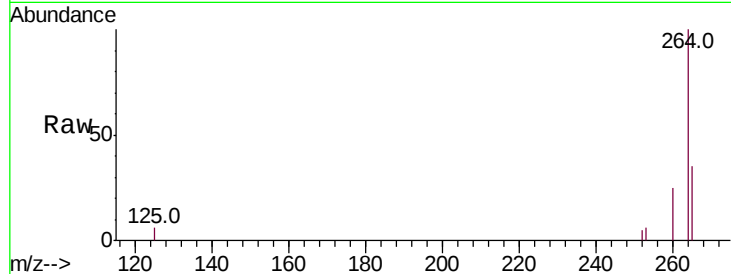
ClientSampleId :

PST-024-SW132-092519

Tot Ion:	264	Resp:	37751
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.3	28.9
265	34.9	26.9	40.3

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#35

Benzo(b)fluoranthene

Concen: 2.677 ng

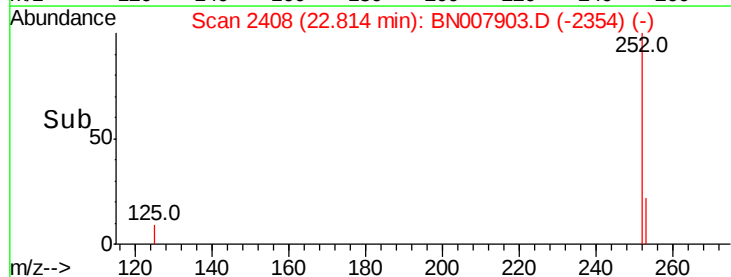
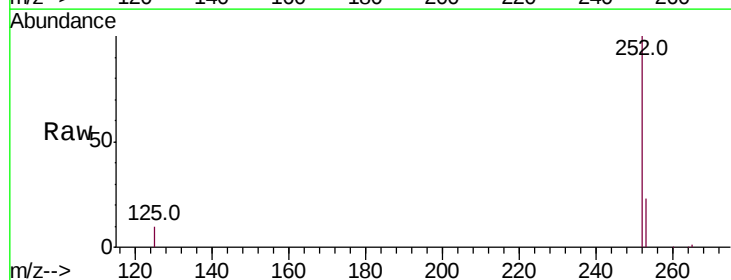
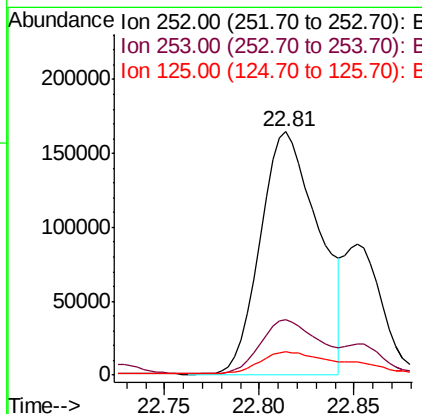
RT: 22.81 min Scan# 2408

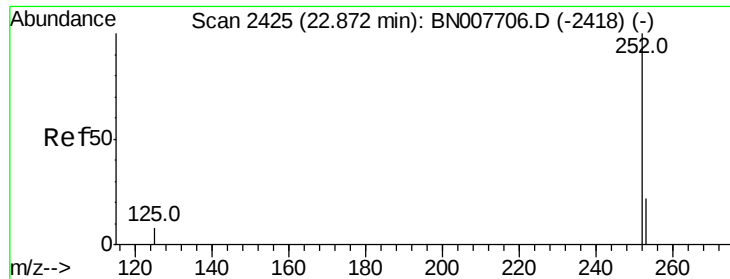
Delta R.T. -0.01 min

Lab File: BN007903.D

Acq: 30 Sep 2019 19:01

Tgt Ion:	252	Resp:	350906
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.3	27.5
125	9.6	8.2	12.4





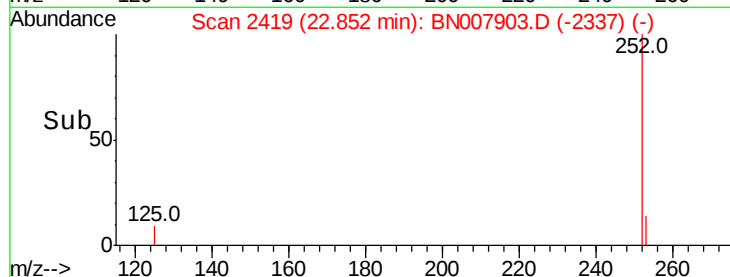
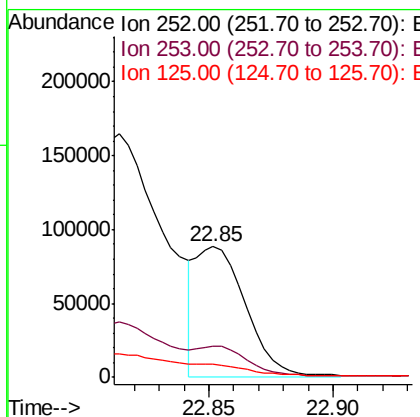
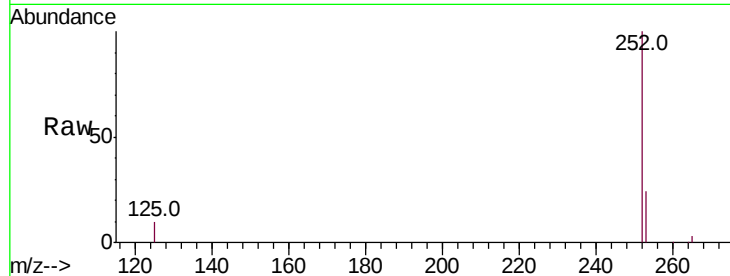
#36
Benzo(k)fluoranthene
Concen: 0.957 ng m
RT: 22.85 min Scan# 2419
Delta R.T. -0.02 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Instrument :
BNA_N
ClientSampleId :
PST-024-SW132-092519

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.5	27.7
125	9.9	8.4	12.6

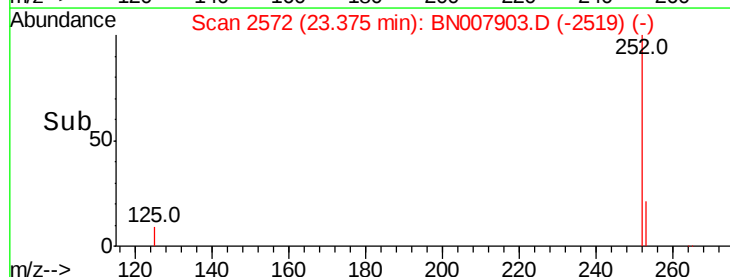
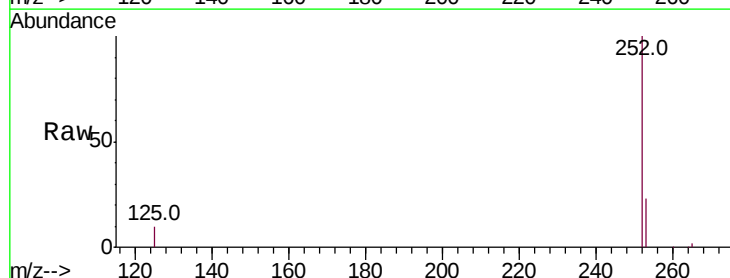
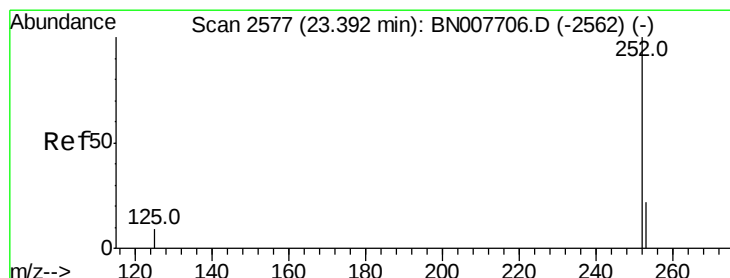
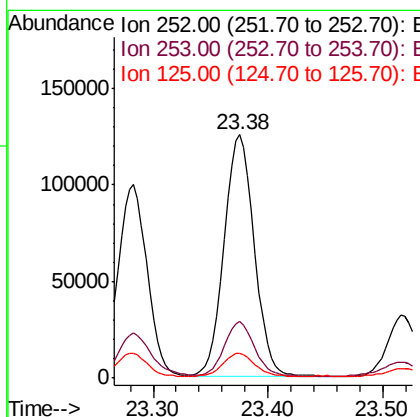
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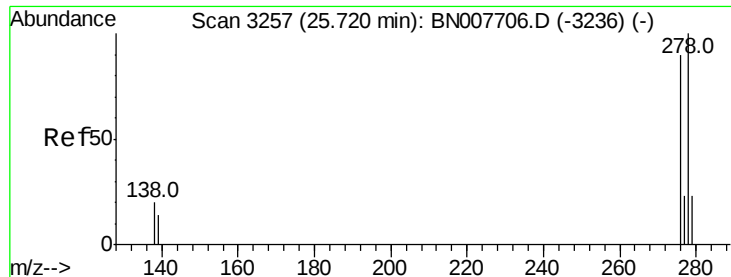
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#37
Benzo(a)pyrene
Concen: 1.867 ng
RT: 23.38 min Scan# 2572
Delta R.T. -0.02 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.6	27.8
125	10.2	9.4	14.0





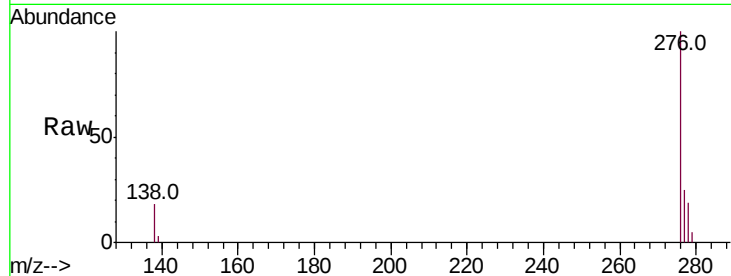
#38
Dibenzo(a,h)anthracene
Concen: 0.327 ng
RT: 25.68 min Scan# 3246
Delta R.T. -0.04 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Instrument :
BNA_N
ClientSampleId :
PST-024-SW132-092519

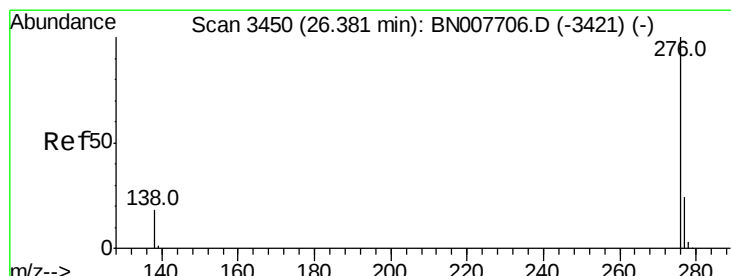
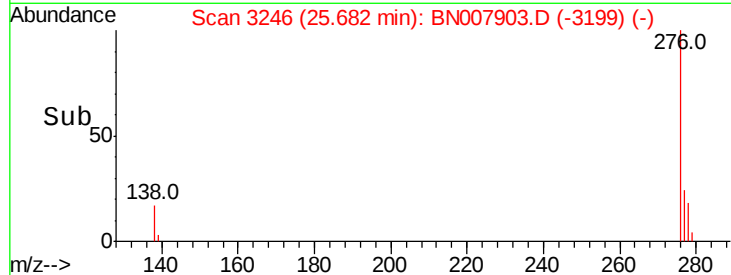
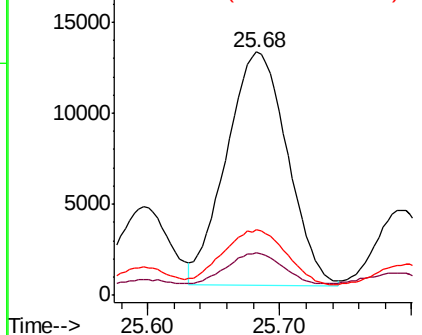
Tot Ion	Ratio	Lower	Upper
278	100		
139	17.3	11.8	17.6
279	26.7	19.4	29.2

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#39
Benzo(g,h,i)perylene
Concen: 1.598 ng
RT: 26.35 min Scan# 3442
Delta R.T. -0.03 min
Lab File: BN007903.D
Acq: 30 Sep 2019 19:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.8	29.8
138	18.7	15.1	22.7

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

