

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
 Data File : BN007191.D
 Acq On : 15 Aug 2019 11:57
 Operator : HP/JU
 Sample : K4144-10DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-SW120-073119DL

Manual Integrations
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Quant Time: Aug 16 03:12:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 13 12:12:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	7152	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	27590	0.40	ng	0.00
12) Acenaphthene-d10	14.06	164	16360	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	37467	0.40	ng	0.00
26) Chrysene-d12	21.05	240	38807	0.40	ng	-0.01
32) Perylene-d12	23.15	264	44580	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	472	0.03	ng	0.00
4) Phenol-d6	6.61	99	799	0.04	ng	0.00
7) Nitrobenzene-d5	8.55	82	653	0.03	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	1079	0.02	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	205	0.02	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	318	0.01	ng	0.00
24) Fluoranthene-d10	18.87	212	2418	0.02	ng	0.00
28) Terphenyl-d14	19.48	244	2501	0.02	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Naphthalene	10.22	128	16618	0.215	ng	98
11) 2-Methylnaphthalene	11.86	142	35918	0.655	ng	99
15) Acenaphthylene	13.79	152	202684	2.370	ng	98
16) Acenaphthene	14.13	154	26232	0.479	ng	96
17) Fluorene	15.12	166	106574	1.300	ng	93
22) Phenanthrene	16.87	178	994620	8.858	ng	100
23) Anthracene	16.95	178	166980	1.628	ng	99
25) Fluoranthene	18.90	202	680157	4.735	ng	98
27) Pyrene	19.26	202	1146443	8.424	ng	99
29) Benzo(a)anthracene	21.02	228	526020m	3.706	ng	
30) Chrysene	21.08	228	517207	3.751	ng	98
31) Indeno(1,2,3-cd)pyrene	25.23	276	173495	1.142	ng	99
33) Benzo(b)fluoranthene	22.53	252	378949m	2.479	ng	
34) Benzo(k)fluoranthene	22.57	252	114599m	0.759	ng	
35) Benzo(a)pyrene	23.07	252	375672	2.711	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	63764	0.461	ng	# 87
37) Benzo(a,h,i)perylene	25.86	276	217188	1.527	ng	100

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

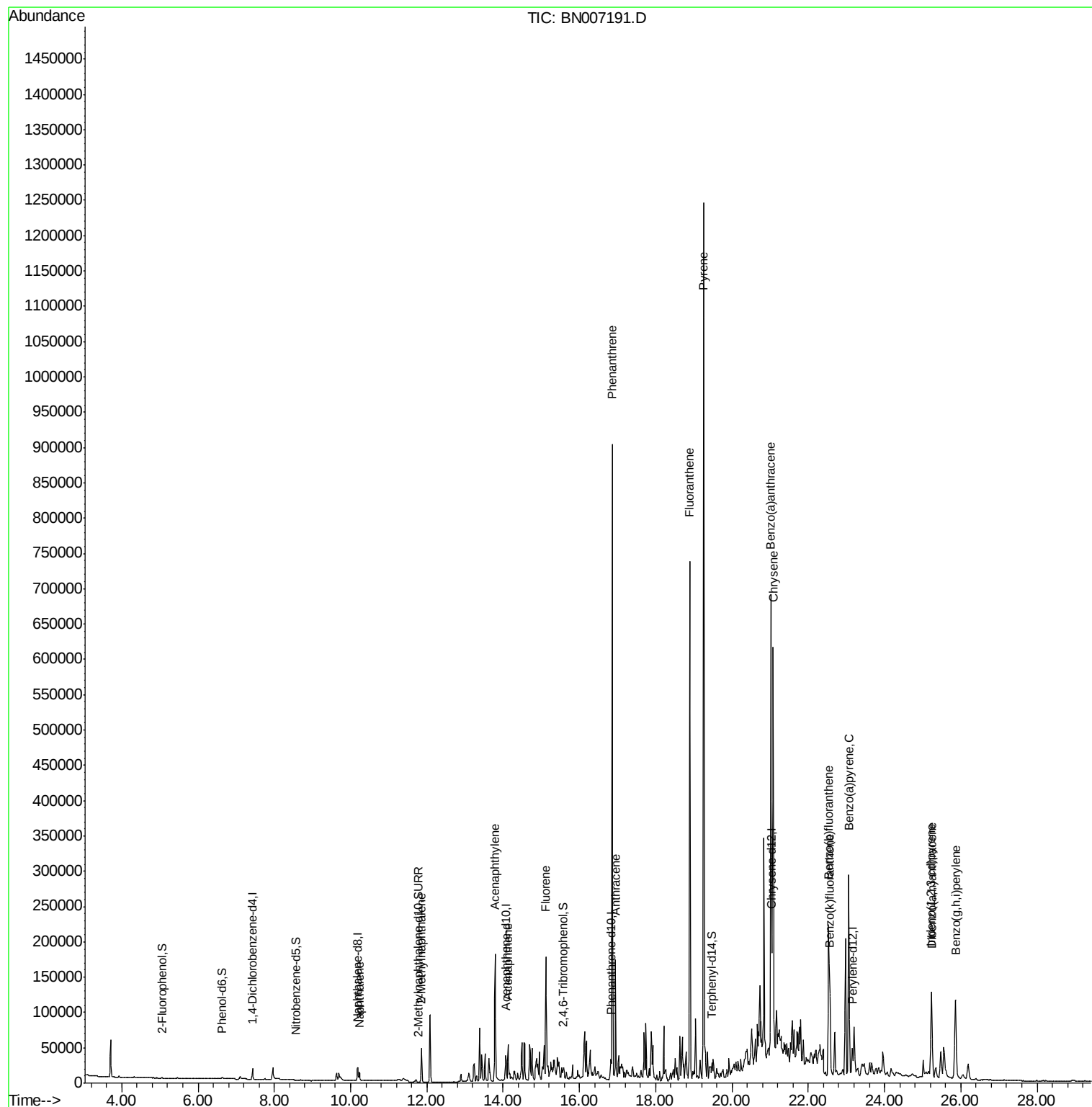
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
Data File : BN007191.D
Acq On : 15 Aug 2019 11:57
Operator : HP/JU
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PST-008-SW120-073119DL

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Quant Time: Aug 16 03:12:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration





#1

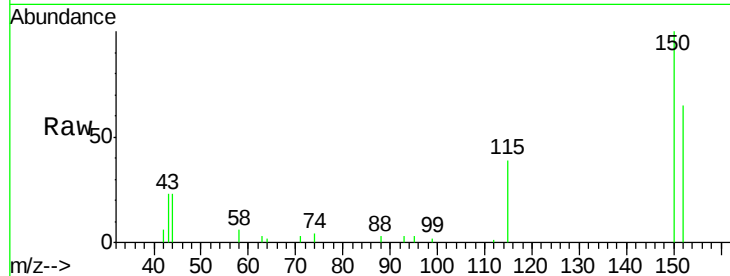
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119DL

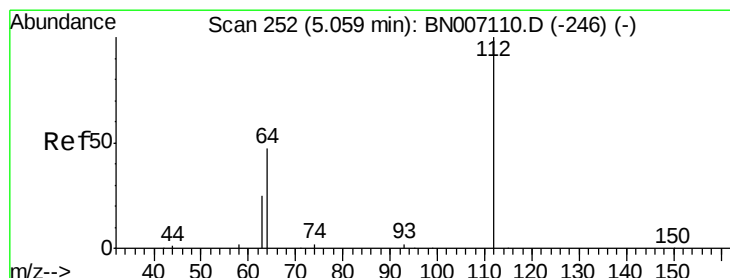
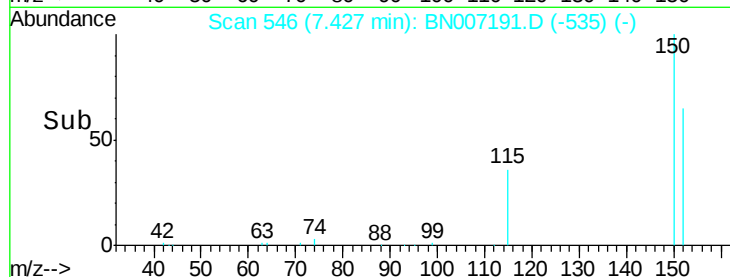
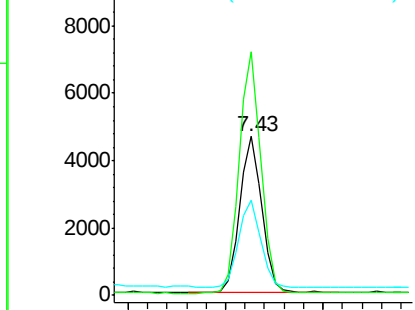
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	121.7	182.5
115	59.7	46.2	69.4

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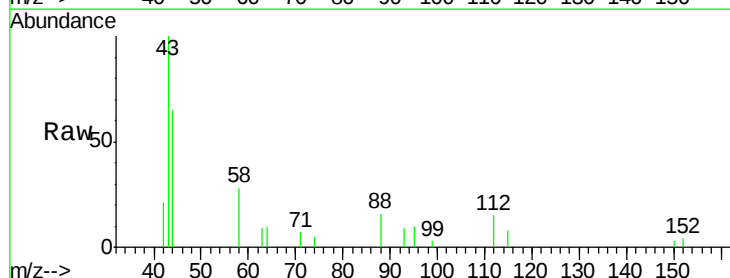
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



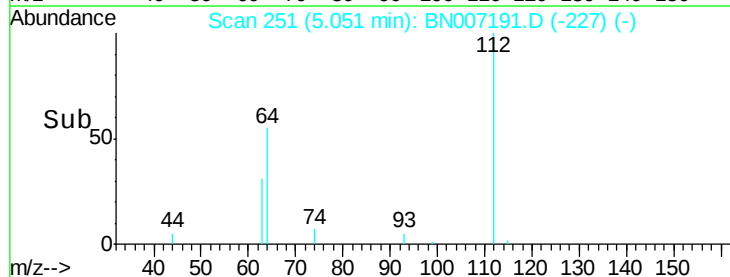
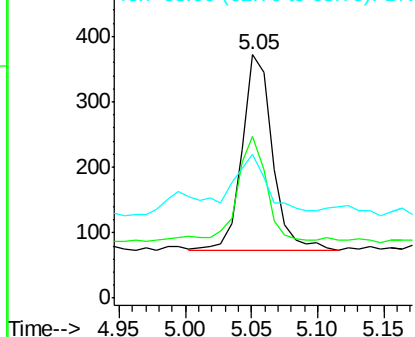
#3

2-Fluorophenol
Concen: 0.027 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	42.6	63.8
63	37.7	22.2	33.2



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





#4

Phenol-d6

Concen: 0.038 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007191.D

Acq: 15 Aug 2019 11:57

Instrument :

BNA_N

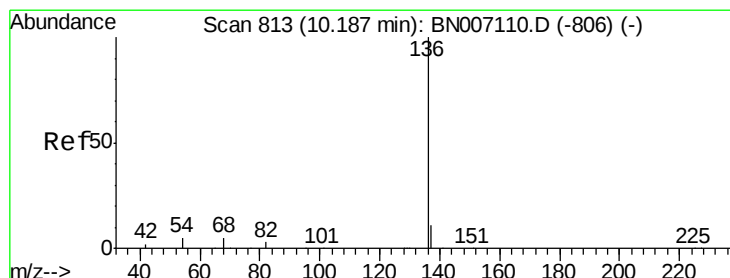
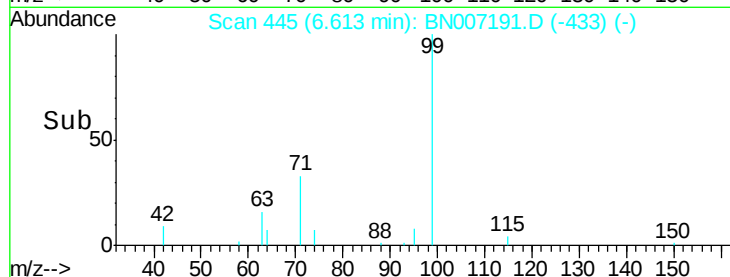
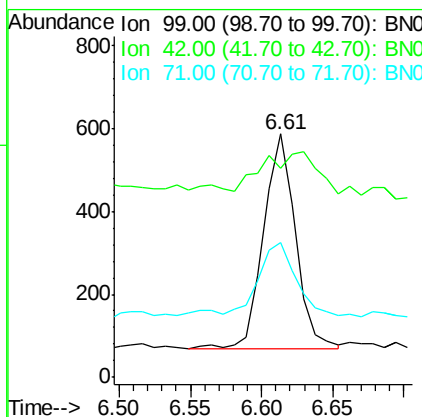
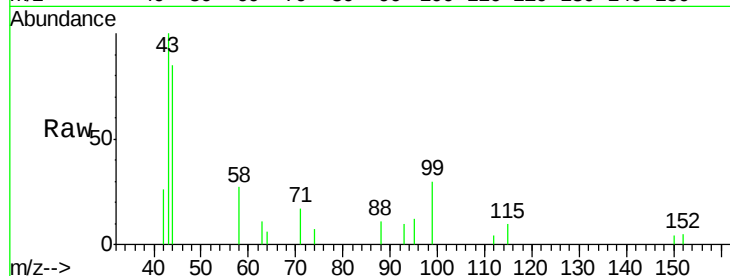
ClientSampleId :

PST-008-SW120-073119DL

Tot Ion:	99	Resp:	799
Ion Ratio	Lower	Upper	
99	100		
42	37.8	15.8	23.6#
71	44.7	27.0	40.4#

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#6

Naphthalene-d8

Concen: 0.400 ng

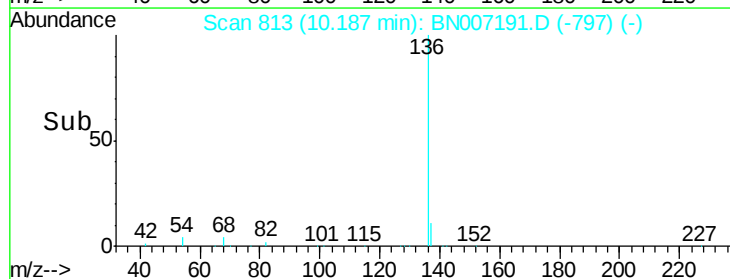
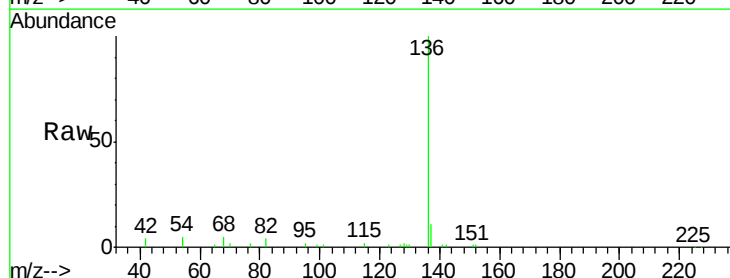
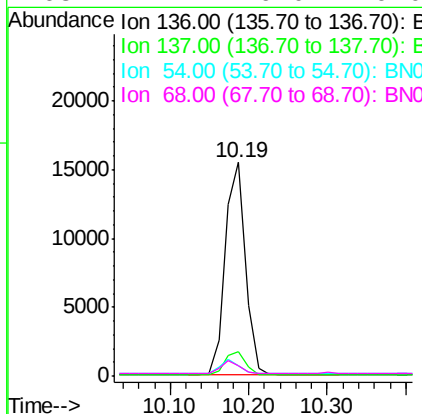
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007191.D

Acq: 15 Aug 2019 11:57

Tgt Ion:	136	Resp:	27590
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.4	14.0
54	4.8	6.6	9.8#
68	4.7	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.029 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007191.D

Acq: 15 Aug 2019 11:57

Instrument :

BNA_N

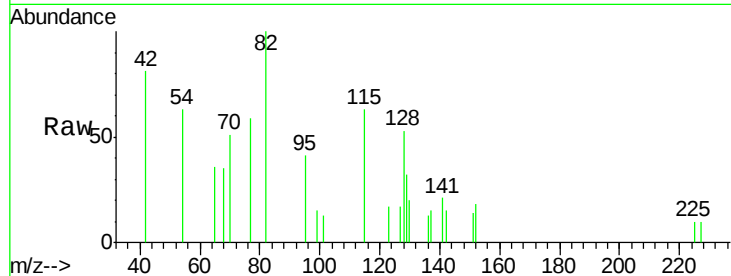
ClientSampleId :

PST-008-SW120-073119DL

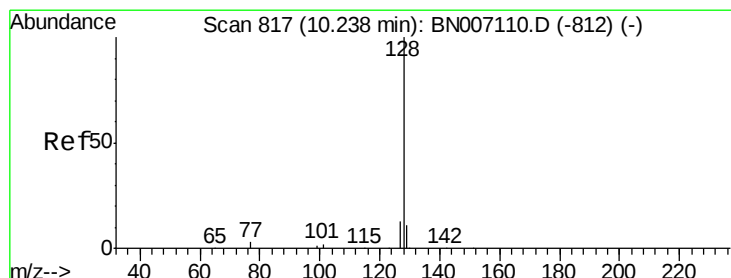
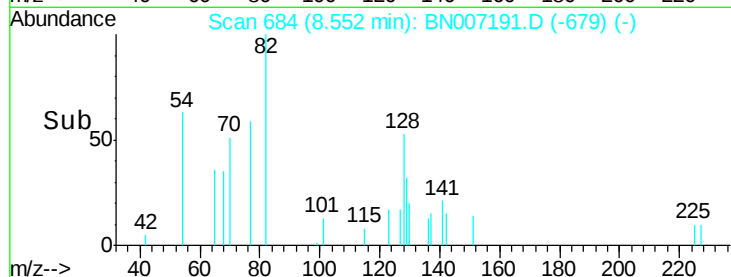
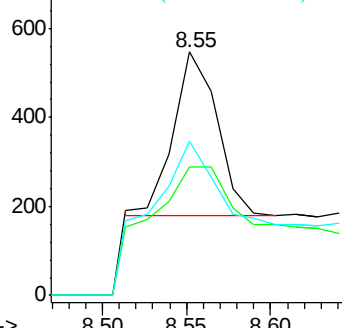
Tot Ion:	82	Resp:	653
Ion Ratio	Lower	Upper	
82	100		
128	52.8	34.6	51.8#
54	63.3	36.2	54.4#

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Abundance Ion 82.00 (81.70 to 82.70): BN007110.D (-681) (-)



#8

Naphthalene

Concen: 0.215 ng

RT: 10.22 min Scan# 816

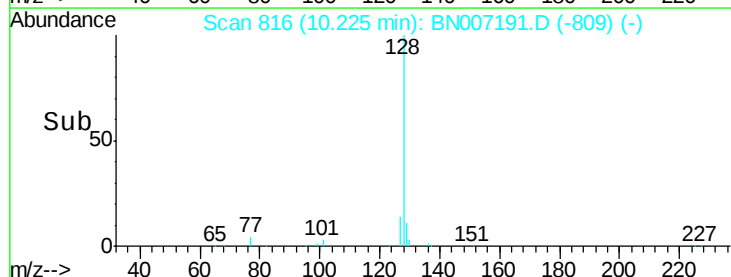
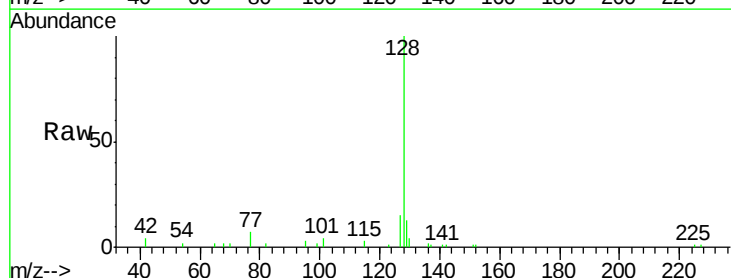
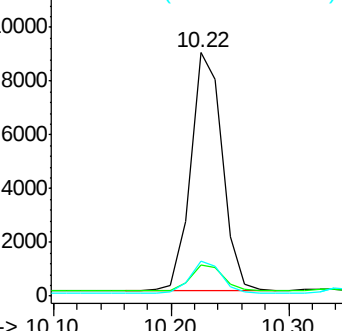
Delta R.T. -0.01 min

Lab File: BN007191.D

Acq: 15 Aug 2019 11:57

Tgt Ion:	128	Resp:	16618
Ion Ratio	Lower	Upper	
128	100		
129	12.7	9.4	14.2
127	14.6	11.0	16.6

Abundance Ion 128.00 (127.70 to 128.70): BN007110.D (-812) (-)





#10

2-Methylnaphthalene-d10

Concen: 0.021 ng

RT: 11.78 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007191.D

Acq: 15 Aug 2019 11:57

Instrument :

BNA_N

ClientSampleId :

PST-008-SW120-073119DL

Tot Ion:152 Resp: 1079

Ion Ratio Lower Upper

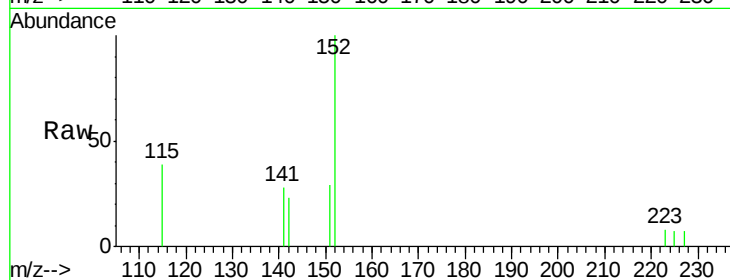
152 100

151 23.4 15.5 23.3#

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.78

800

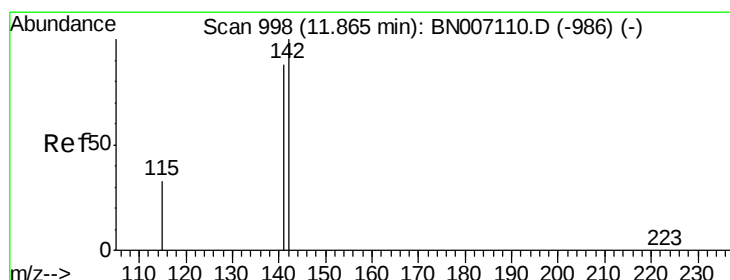
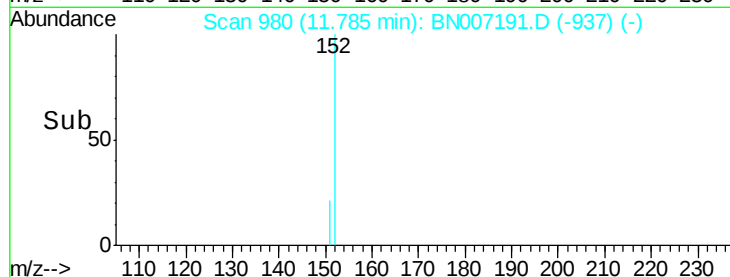
600

400

200

0

Time-->



#11

2-Methylnaphthalene

Concen: 0.655 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007191.D

Acq: 15 Aug 2019 11:57

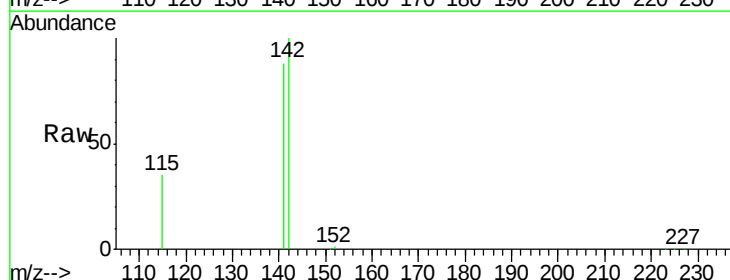
Tgt Ion:142 Resp: 35918

Ion Ratio Lower Upper

142 100

141 87.6 69.0 103.6

115 34.8 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.86

30000

25000

20000

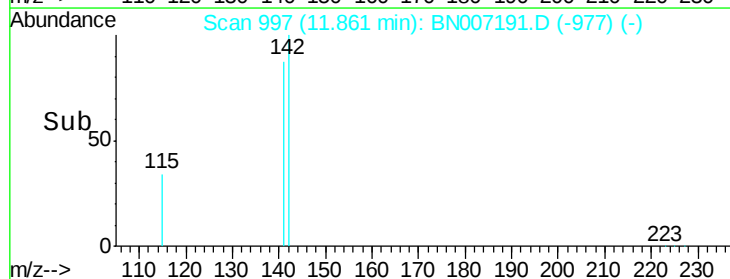
15000

10000

5000

0

Time-->





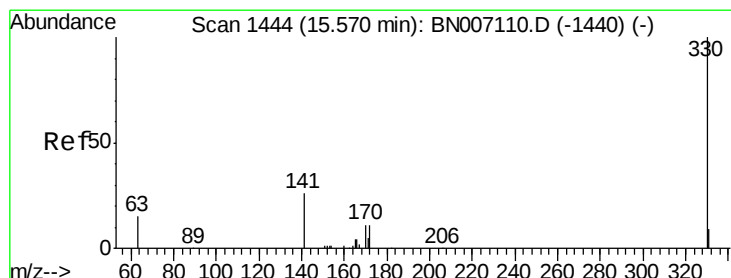
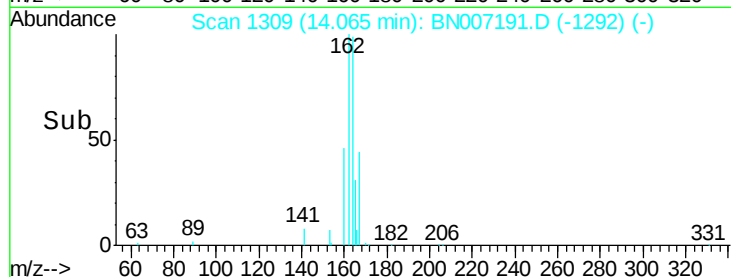
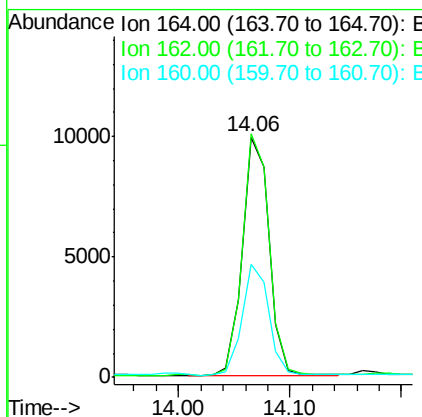
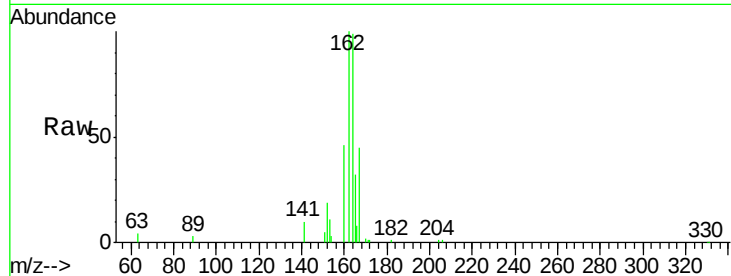
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.06 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.2	123.4
160	47.1	38.3	57.5

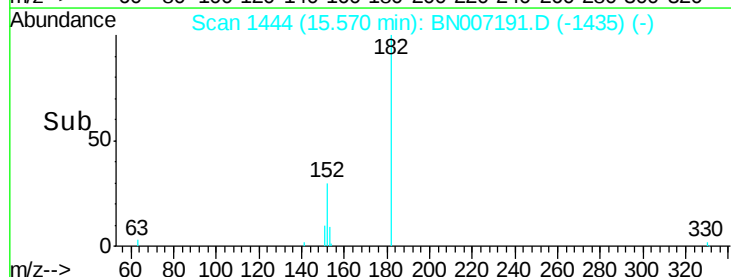
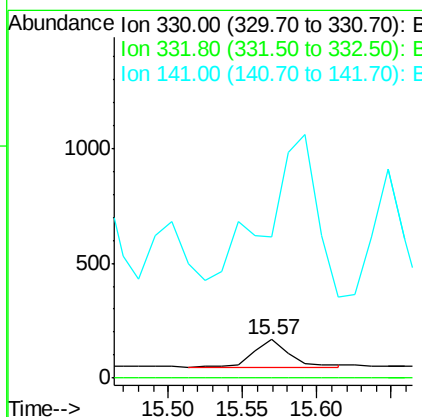
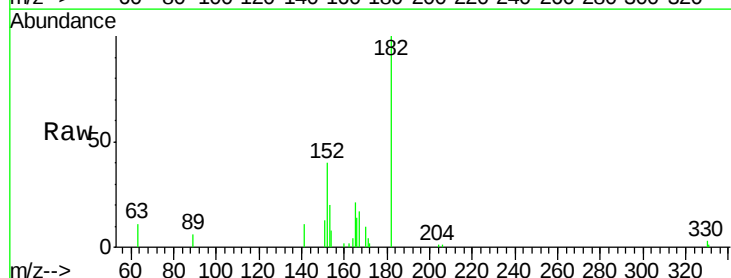
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#13
2,4,6-Tribromophenol
Concen: 0.023 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	0.0	33.6	50.4#





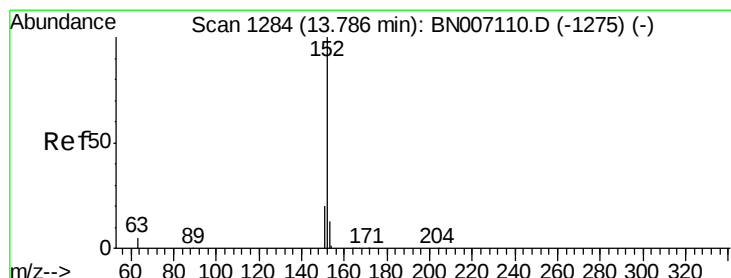
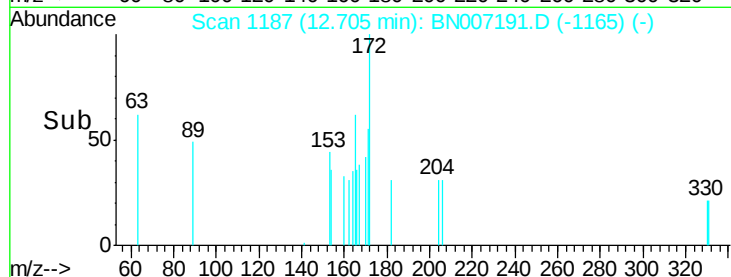
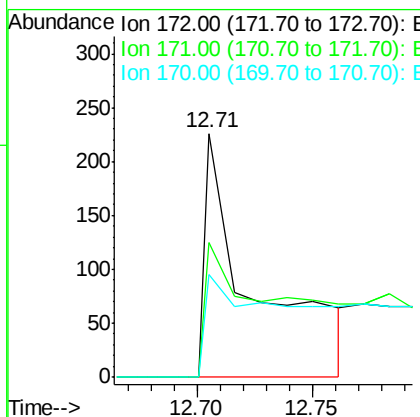
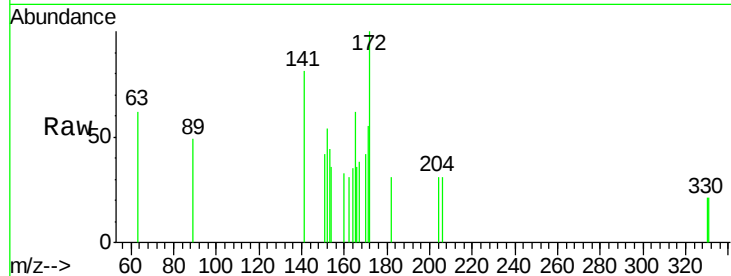
#14
2-Fluorobiphenyl
Concen: 0.013 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	55.3	26.3	39.5#
170	42.0	17.0	25.4#

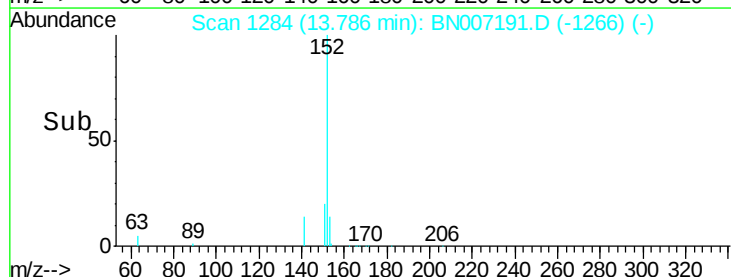
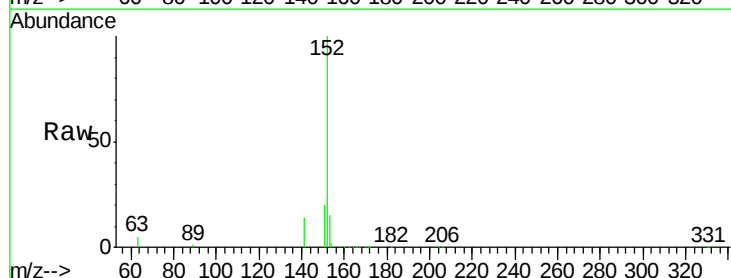
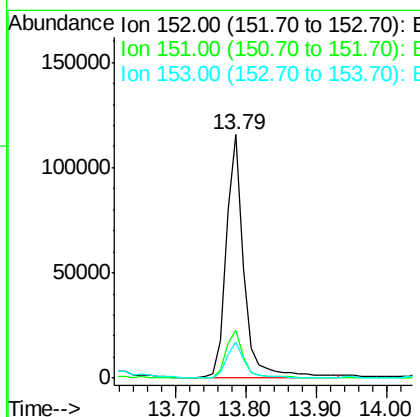
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#15
Acenaphthylene
Concen: 2.370 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	14.6	10.4	15.6





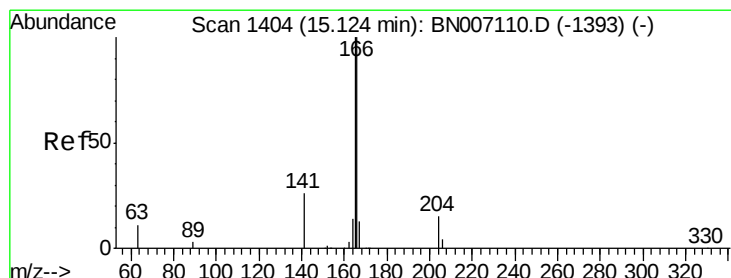
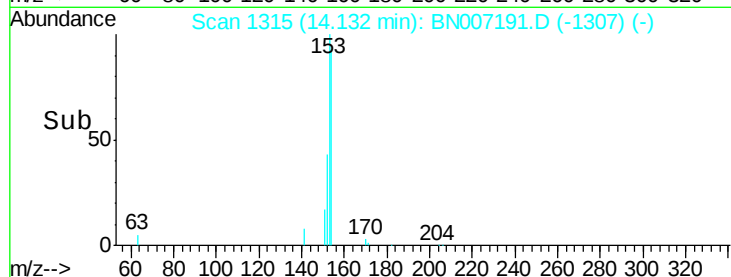
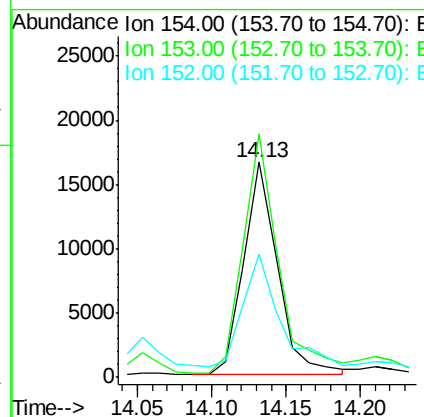
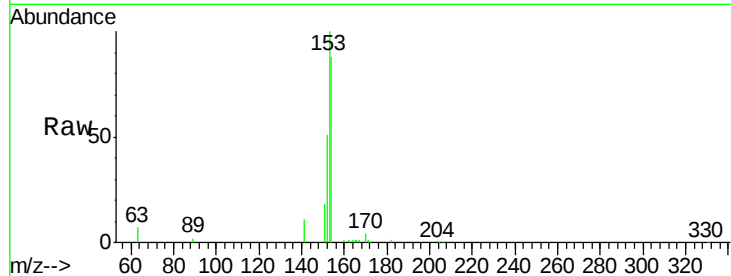
#16
Acenaphthene
Concen: 0.479 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	116.2	89.5	134.3
152	58.5	44.8	67.2

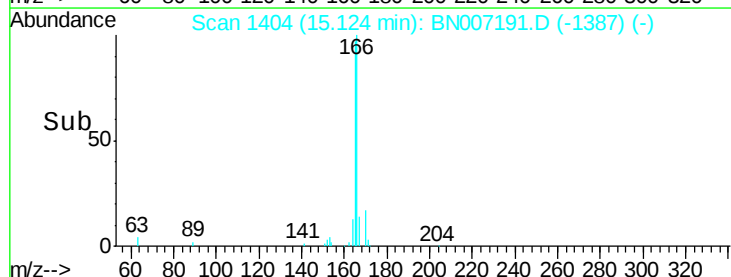
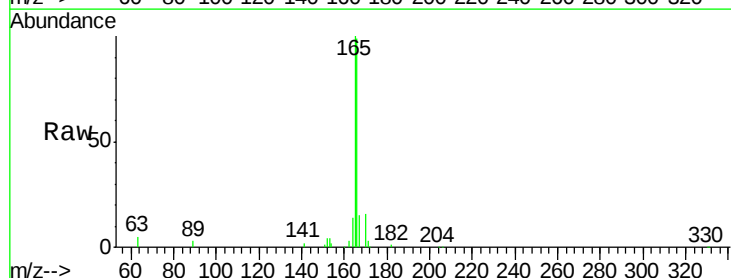
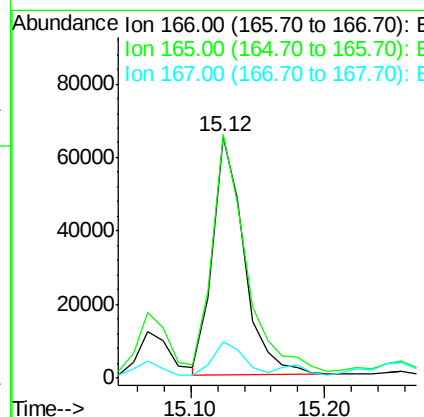
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#17
Fluorene
Concen: 1.300 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.3	77.9	116.9
167	14.0	10.9	16.3





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007191.D

Acq: 15 Aug 2019 11:57

Instrument :

BNA_N

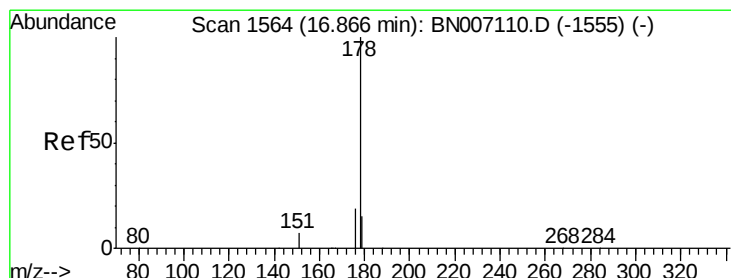
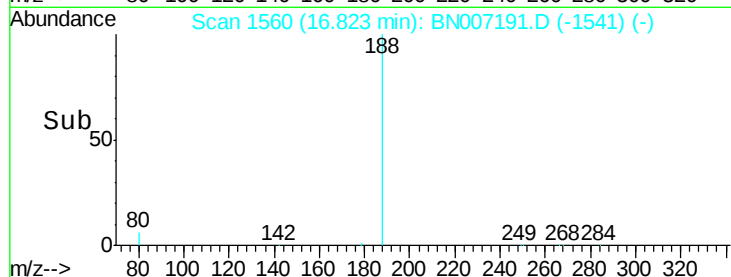
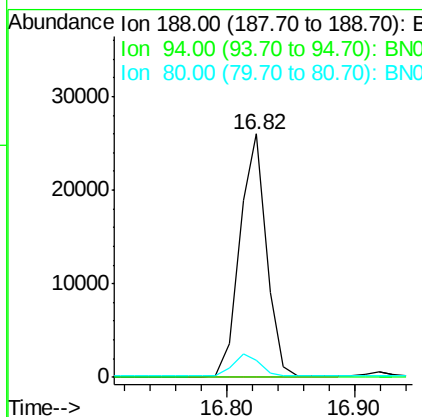
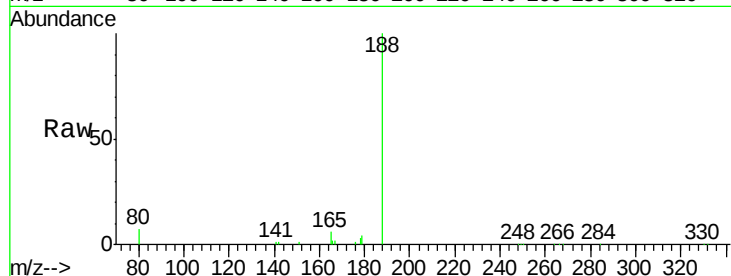
ClientSampleId :

PST-008-SW120-073119DL

Tot Ion:	188	Resp:	37467
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.1	7.8	11.6#

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#22

Phenanthrene

Concen: 8.858 ng

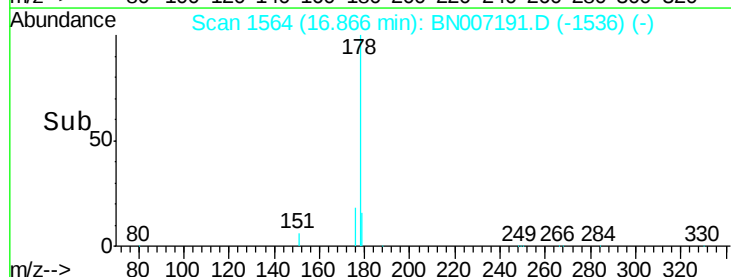
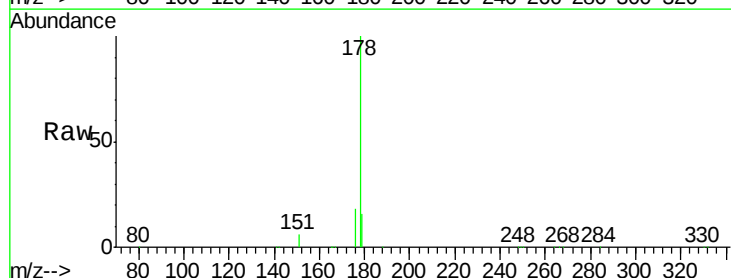
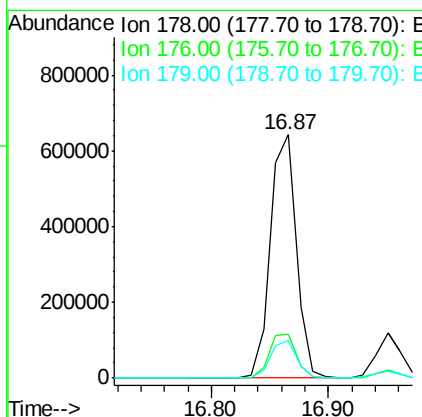
RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007191.D

Acq: 15 Aug 2019 11:57

Tgt Ion:	178	Resp:	994620
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	15.5	12.3	18.5





#23

Anthracene

Concen: 1.628 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007191.D

Acq: 15 Aug 2019 11:57

Instrument :

BNA_N

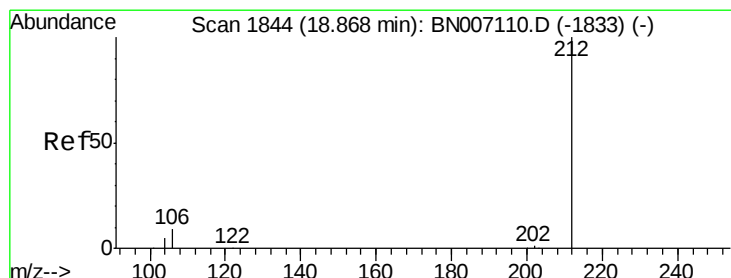
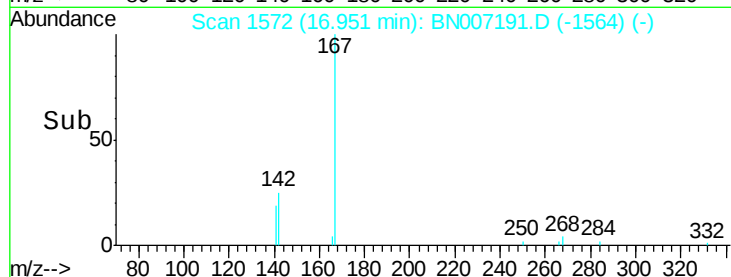
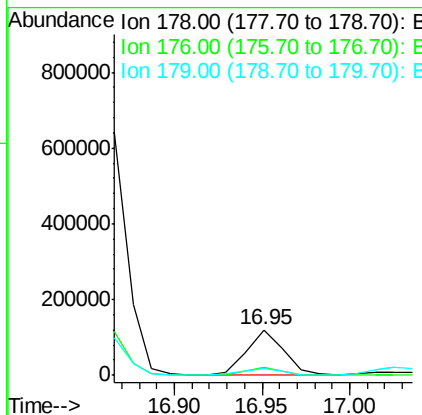
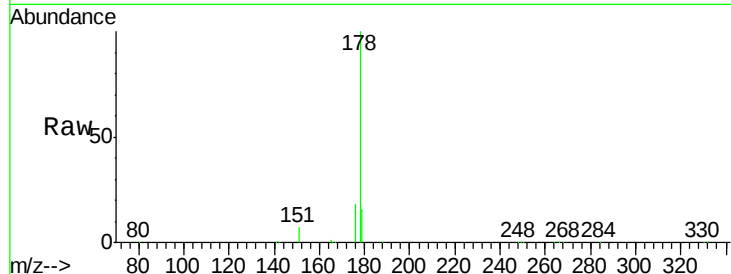
ClientSampleId :

PST-008-SW120-073119DL

Tot Ion:	178	Resp:	166980
Ion Ratio	Lower	Upper	
178	100		
176	18.4	14.6	21.8
179	16.5	12.5	18.7

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#24

Fluoranthene-d10

Concen: 0.018 ng

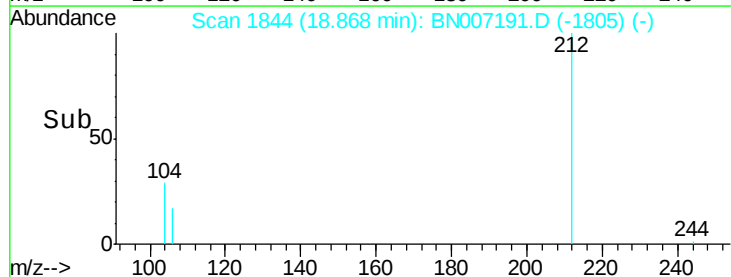
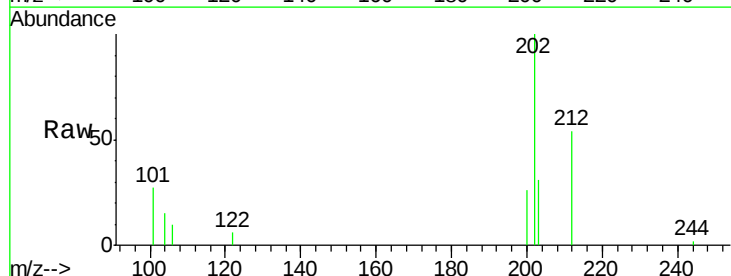
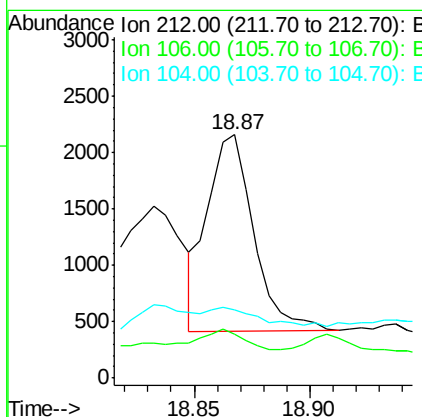
RT: 18.87 min Scan# 1844

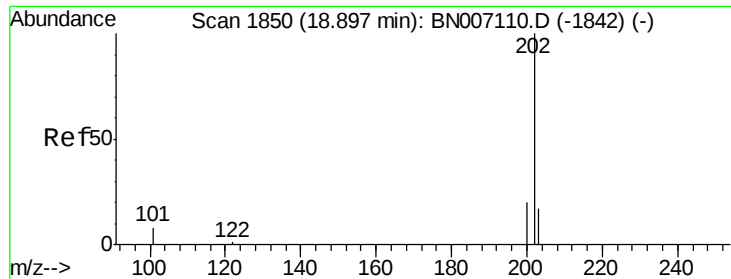
Delta R.T. -0.01 min

Lab File: BN007191.D

Acq: 15 Aug 2019 11:57

Tgt Ion:	212	Resp:	2418
Ion Ratio	Lower	Upper	
212	100		
106	12.3	8.2	12.2#
104	0.0	4.5	6.7#





#25

Fluoranthene

Concen: 4.735 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007191.D

Acq: 15 Aug 2019 11:57

Instrument :

BNA_N

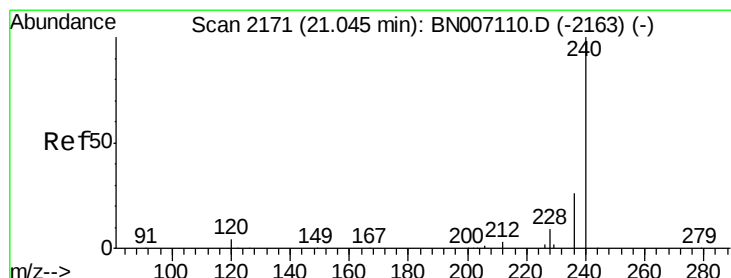
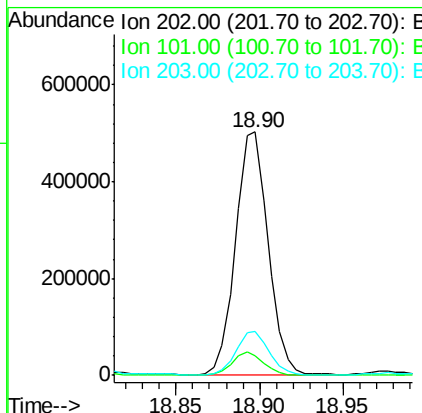
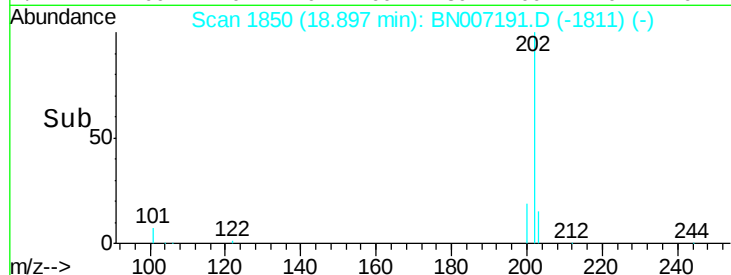
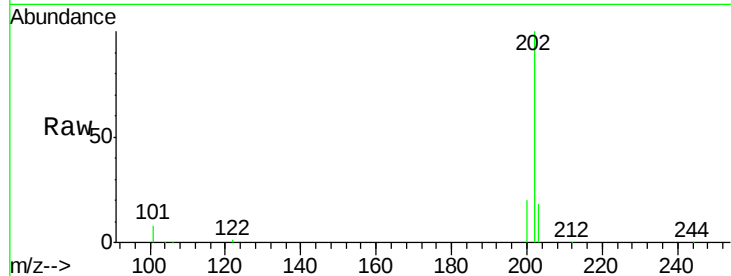
ClientSampleId :

PST-008-SW120-073119DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	680157		
101	9.1		7.0	10.4
203	18.2		13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

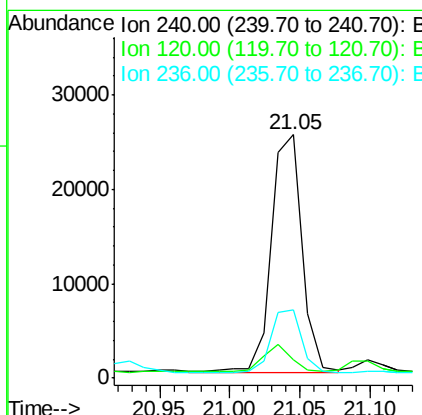
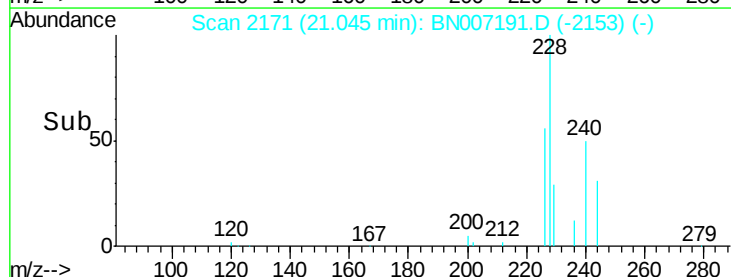
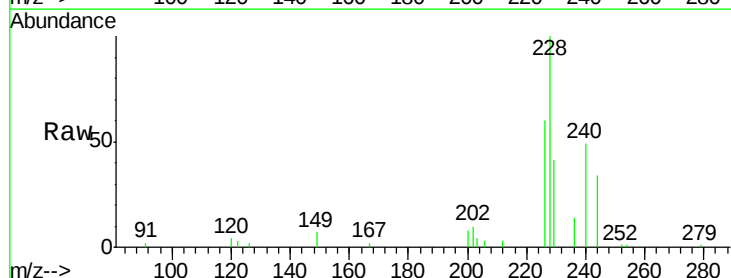
RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007191.D

Acq: 15 Aug 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	38807		
120	7.3		4.0	6.0#
236	28.1		21.3	31.9





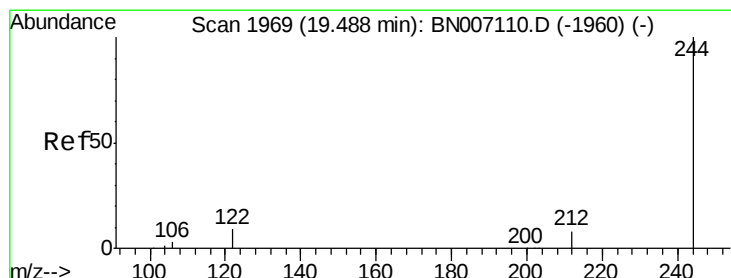
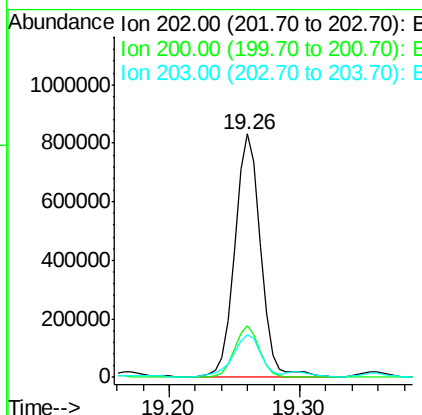
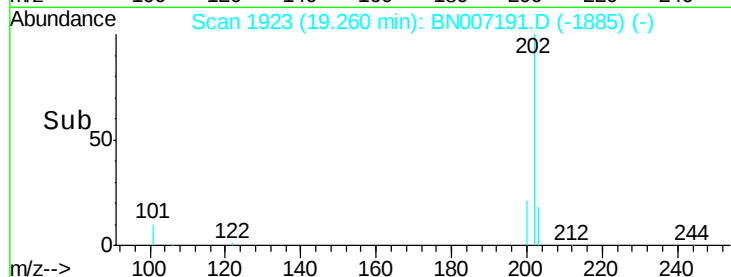
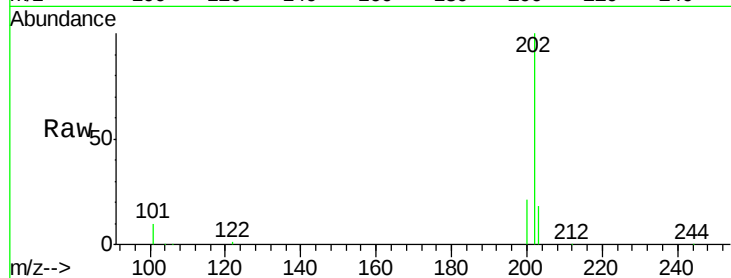
#27
Pvrene
Concen: 8.424 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	18.8	14.0	21.0

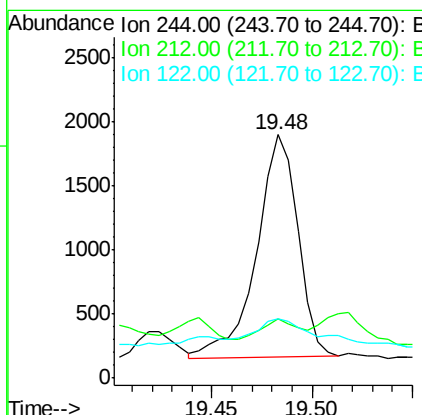
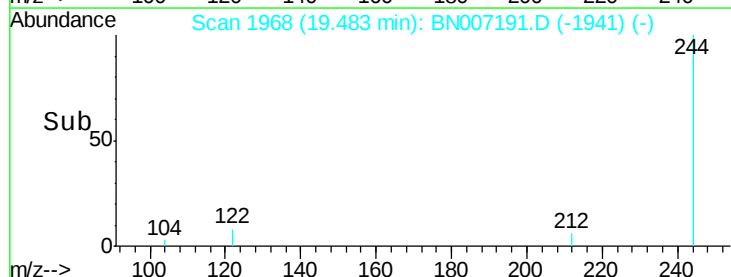
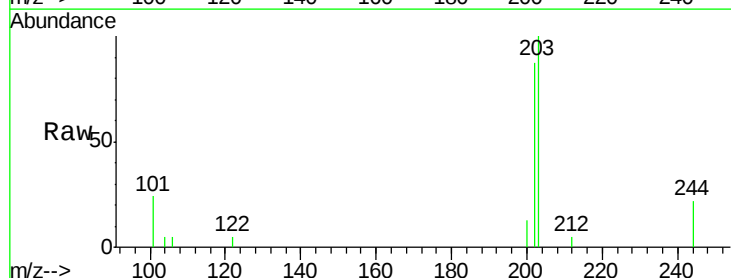
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#28
Terphenyl-d14
Concen: 0.024 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	24.3	6.2	9.2#
122	24.3	7.4	11.2#





#29

Benzo(a)anthracene

Concen: 3.706 ng/mL

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007191.D

Acq: 15 Aug 2019 11:57

Instrument :

BNA_N

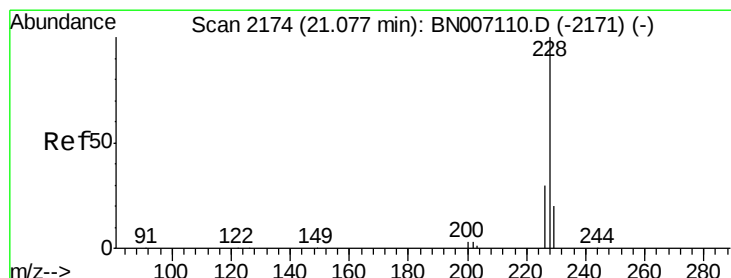
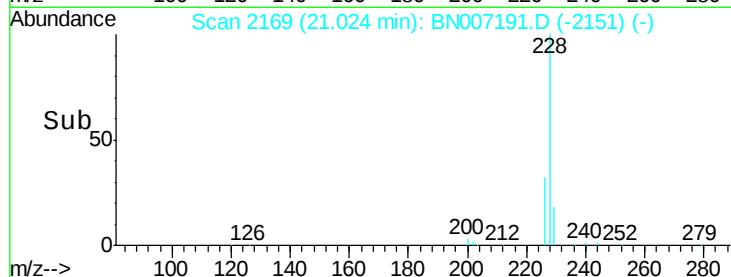
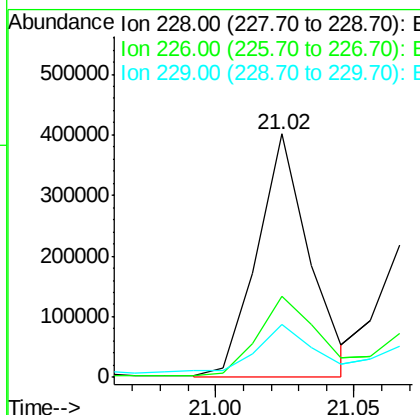
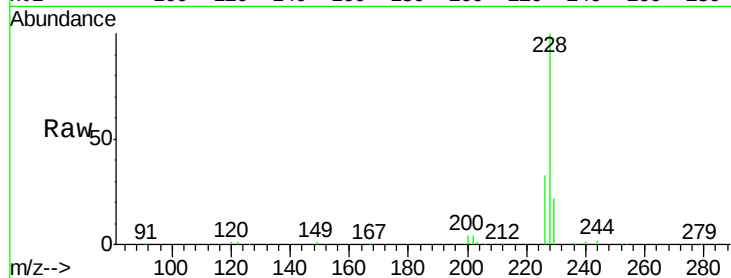
ClientSampleId :

PST-008-SW120-073119DL

Tot Ion:	228	Resp:	526020
Ion Ratio	Lower	Upper	
228	100		
226	33.3	21.8	32.6#
229	21.8	15.6	23.4

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#30

Chrysene

Concen: 3.751 ng/mL

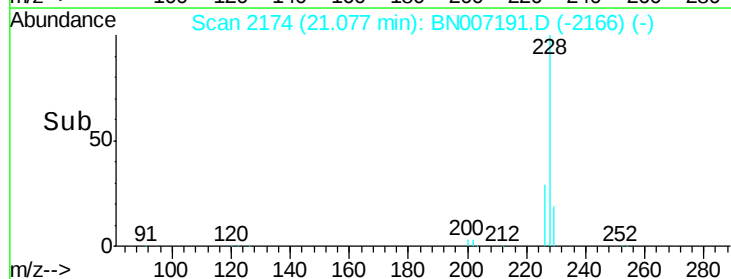
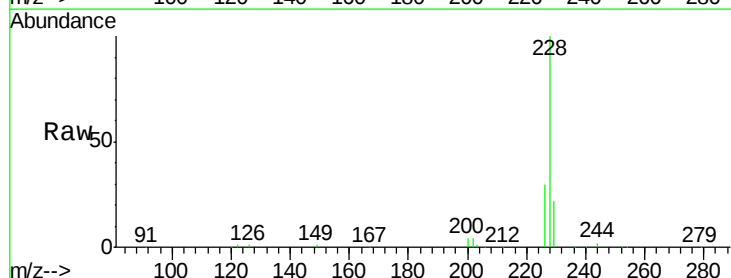
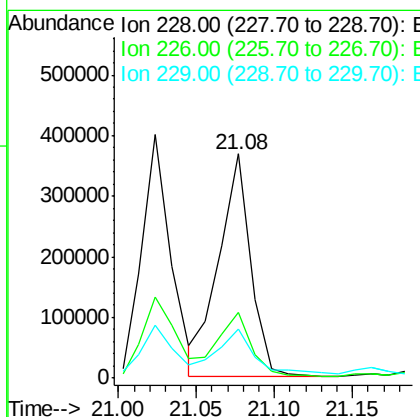
RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007191.D

Acq: 15 Aug 2019 11:57

Tgt Ion:	228	Resp:	517207
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.8	35.6
229	22.0	15.7	23.5





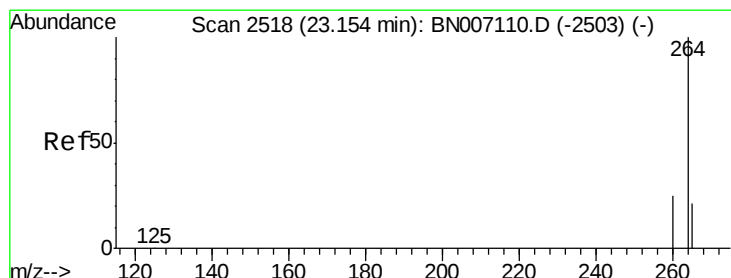
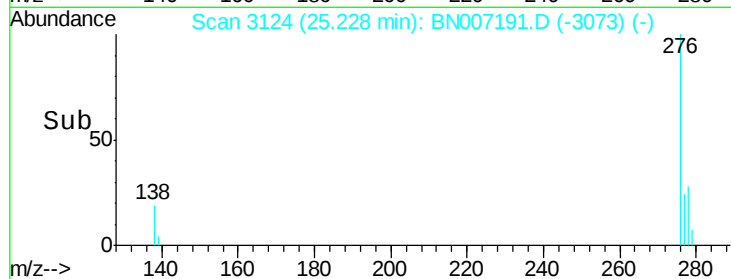
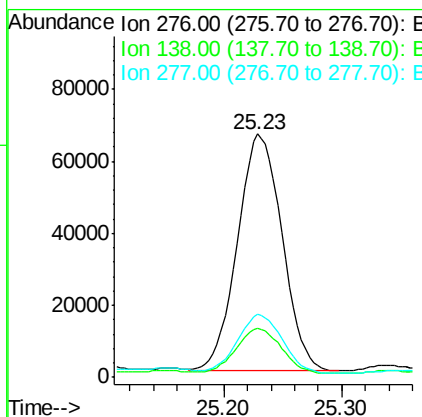
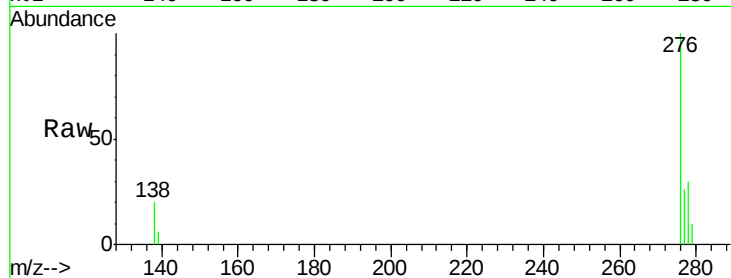
#31
Indeno(1,2,3-cd)pyrene
Concen: 1.142 ng
RT: 25.23 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.0	24.0
277	25.3	19.9	29.9

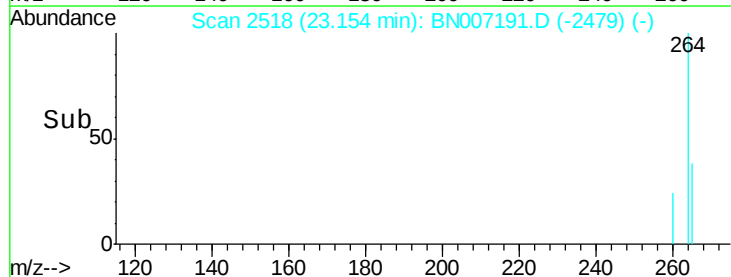
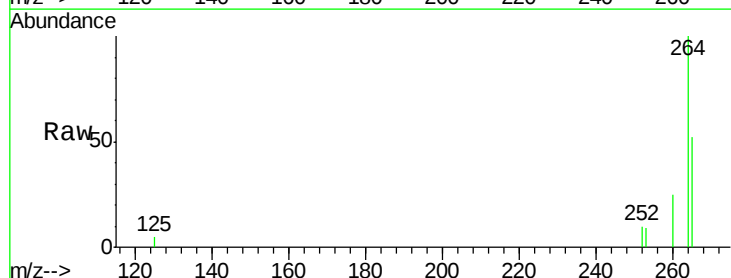
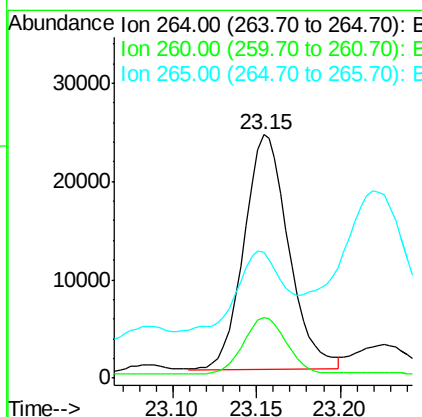
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#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.8
265	51.6	26.2	39.4





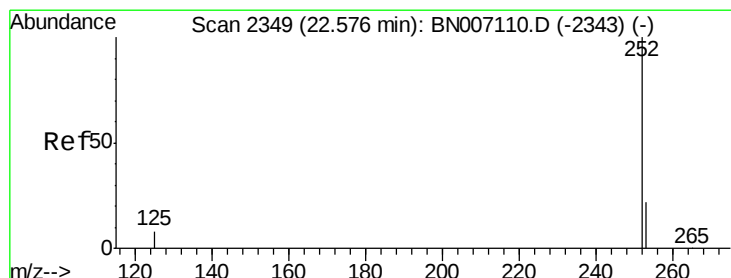
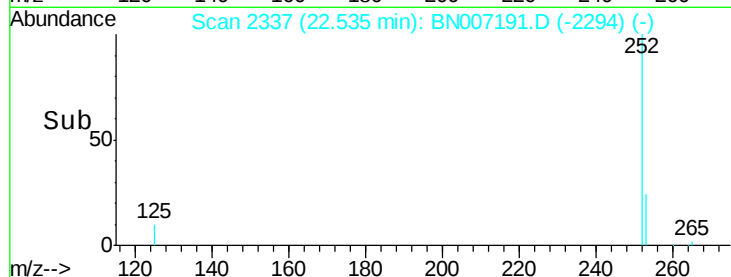
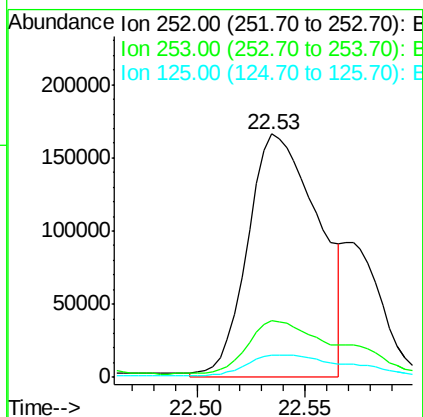
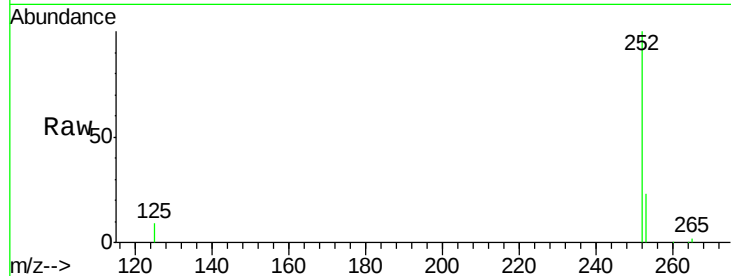
#33
Benzo(b)fluoranthene
Concen: 2.479 ng m
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	9.3	7.4	11.0

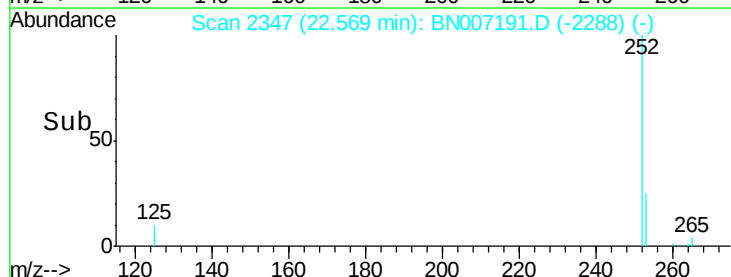
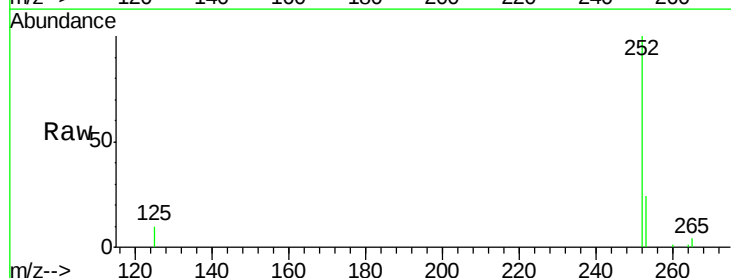
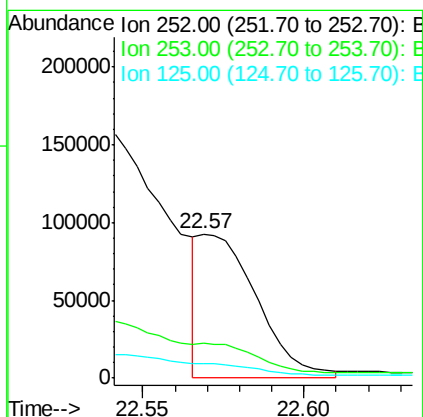
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#34
Benzo(k)fluoranthene
Concen: 0.759 ng m
RT: 22.57 min Scan# 2347
Delta R.T. -0.02 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	9.9	7.4	11.0





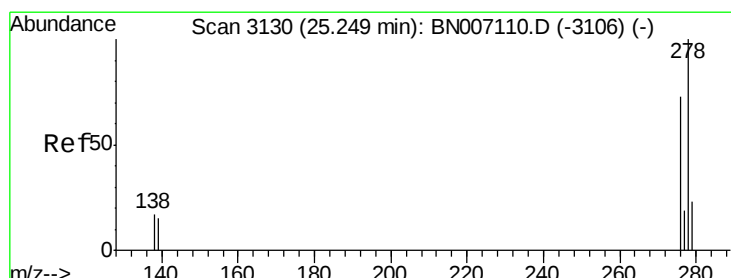
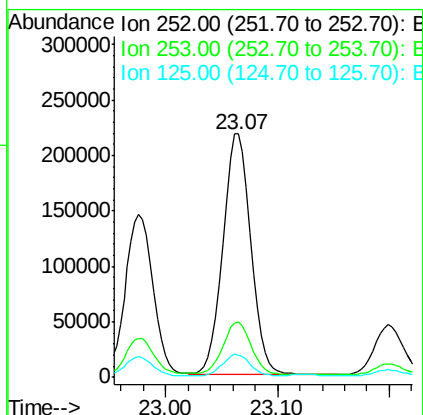
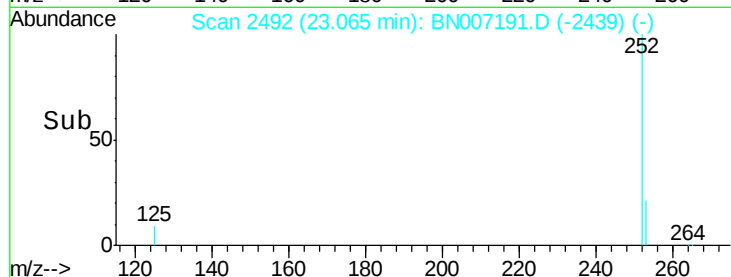
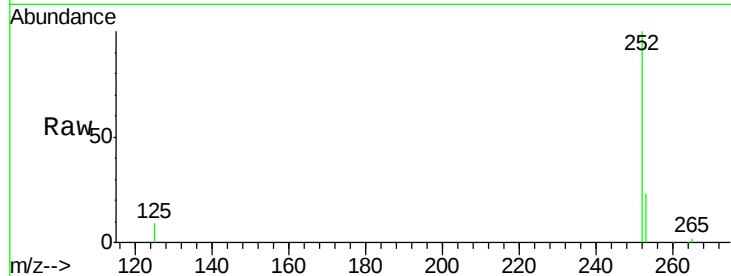
#35
Benzo(a)pyrene
Concen: 2.711 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Instrument :
BNA_N
ClientSampleId :
PST-008-SW120-073119DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	9.3	8.2	12.4

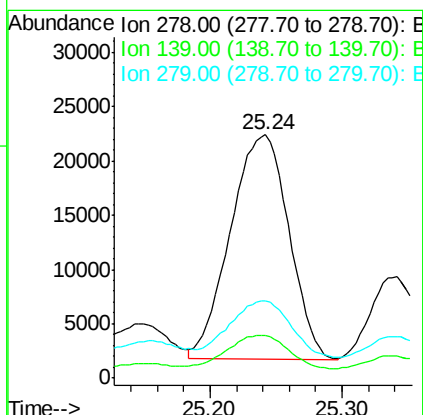
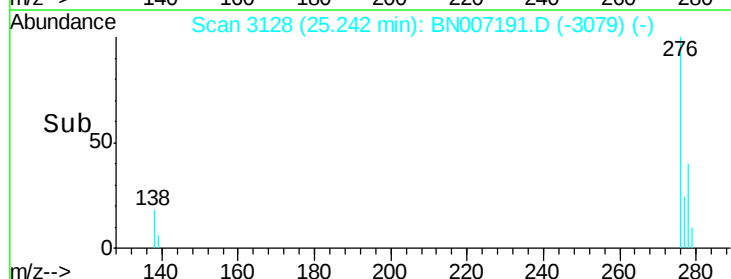
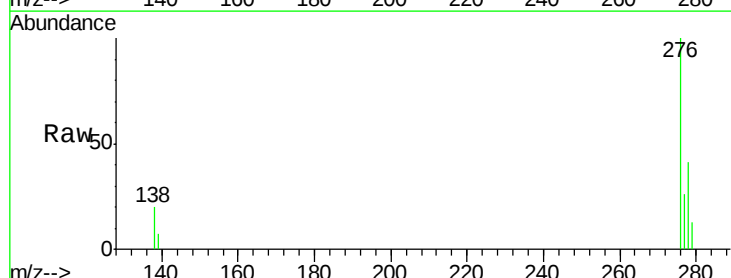
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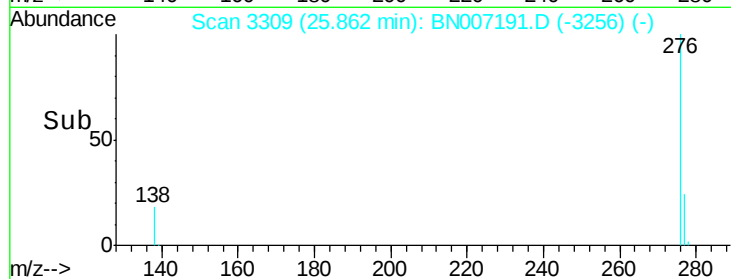
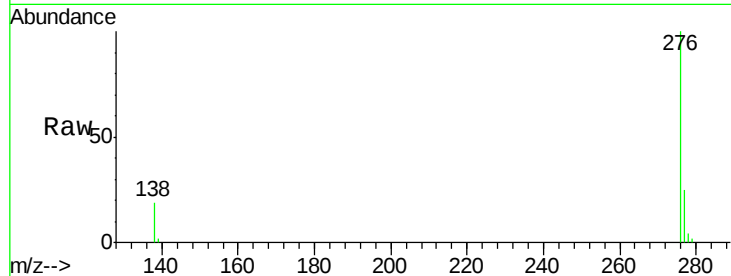
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#36
Dibenzo(a,h)anthracene
Concen: 0.461 ng
RT: 25.24 min Scan# 3128
Delta R.T. -0.03 min
Lab File: BN007191.D
Acq: 15 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.5	11.3	16.9#
279	31.7	19.3	28.9#





#37
 Benzo(a,h,i)perylene
 Concen: 1.527 ng
 RT: 25.86 min Scan# 3309
 Delta R.T. -0.02 min
 Lab File: BN007191.D
 Acq: 15 Aug 2019 11:57

Tot Ion:	276	Resp:	217188
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.8	29.8
138	18.8	14.6	22.0

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-SW120-073119DL

Manual Integrations
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