

Data File : BN007214.D
Acq On : 16 Aug 2019 01:46
Operator : HP/JU
Sample : K4282-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-016-SW116-080819

Manual Integrations
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Quant Time: Aug 16 07:53:45 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	5789	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	21943	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	12469	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	30116	0.40	ng	0.00
26) Chrysene-d12	21.03	240	31348	0.40	ng	-0.02
32) Perylene-d12	23.15	264	34094	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	4082	0.29	ng	0.00
4) Phenol-d6	6.61	99	5352	0.31	ng	0.00
7) Nitrobenzene-d5	8.55	82	3838	0.22	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	7369	0.18	ng	-0.01
13) 2,4,6-Tribromophenol	15.57	330	1105	0.16	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	1014	0.06	ng	0.00
24) Fluoranthene-d10	18.86	212	13822	0.13	ng	-0.01
28) Terphenyl-d14	19.48	244	9418	0.11	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acenaphthylene	13.79	152	6235	0.096	ng	99
17) Fluorene	15.12	166	1453	0.023	ng	83
22) Phenanthrene	16.87	178	22775	0.252	ng	99
23) Anthracene	16.95	178	3453	0.042	ng	# 95
25) Fluoranthene	18.89	202	38368	0.332	ng	99
27) Pyrene	19.26	202	49627	0.451	ng	# 96
29) Benzo(a)anthracene	21.02	228	22792m	0.199	ng	
30) Chrysene	21.08	228	25261	0.227	ng	96
31) Indeno(1,2,3-cd)pyrene	25.22	276	12194	0.099	ng	99
33) Benzo(b)fluoranthene	22.53	252	26914m	0.230	ng	
34) Benzo(k)fluoranthene	22.57	252	8842m	0.077	ng	
35) Benzo(a)pyrene	23.06	252	19522	0.184	ng	# 89
36) Dibenzo(a,h)anthracene	25.23	278	3538	0.033	ng	# 46
37) Benzo(g,h,i)perylene	25.85	276	13420	0.123	ng	# 89

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

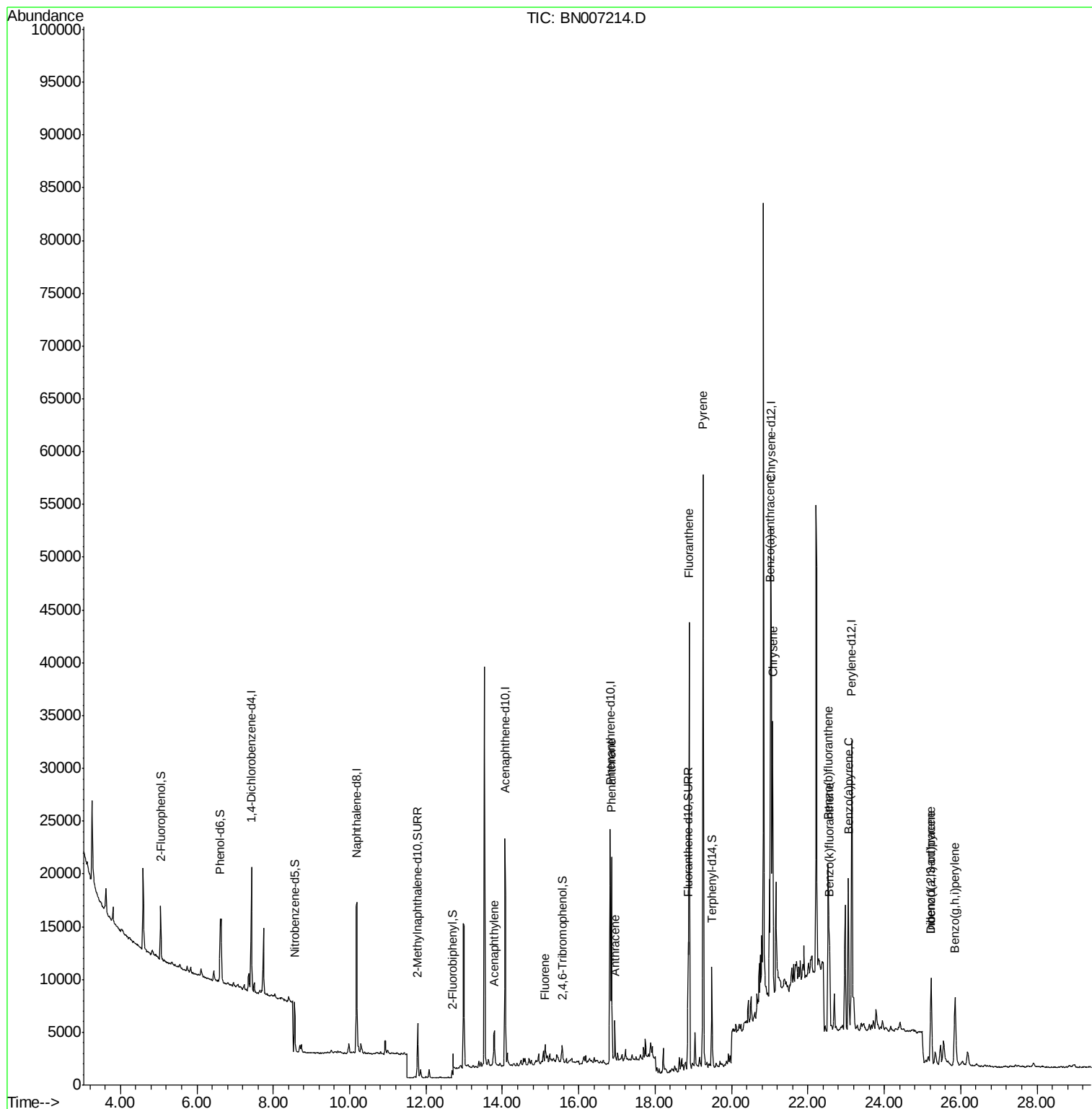
Data File : BN007214.D
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#1

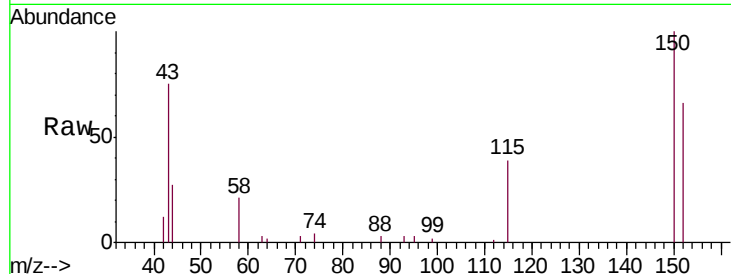
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007214.D
Acq: 16 Aug 2019 01:46

Instrument :
BNA_N
ClientSampleId :
PST-016-SW116-080819

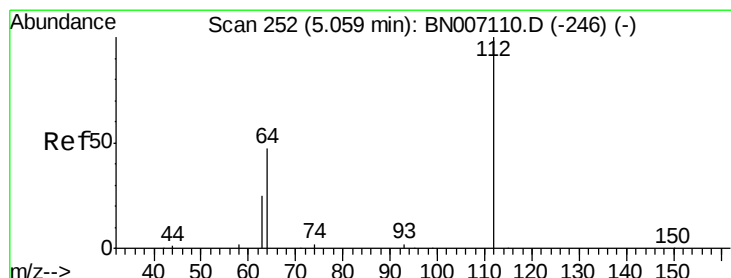
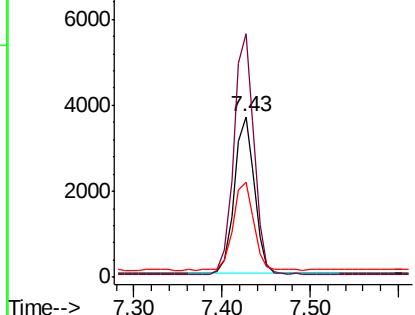
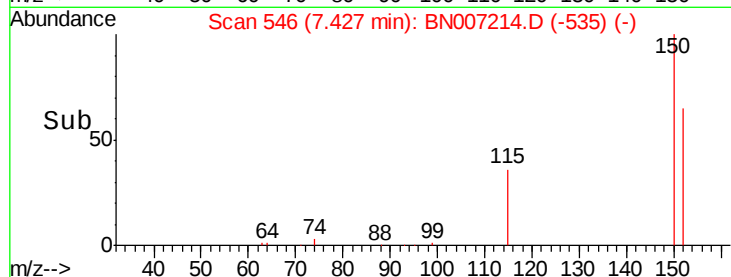
Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.8	121.7	182.5
115	58.9	46.2	69.4

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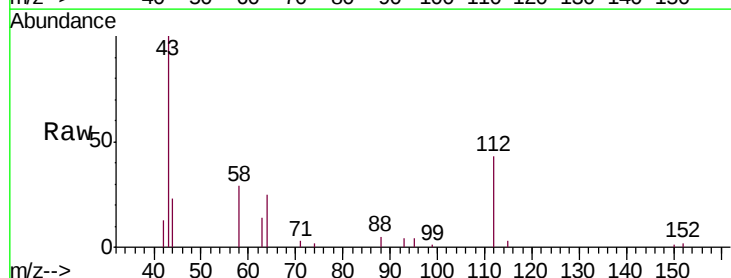
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



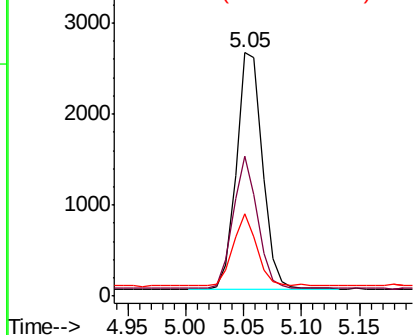
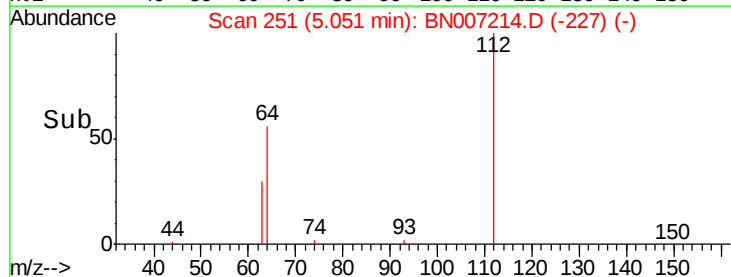
#3

2-Fluorophenol
Concen: 0.293 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007214.D
Acq: 16 Aug 2019 01:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	42.6	63.8
63	27.7	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: 0.311 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007214.D

Acq: 16 Aug 2019 01:46

Instrument :

BNA_N

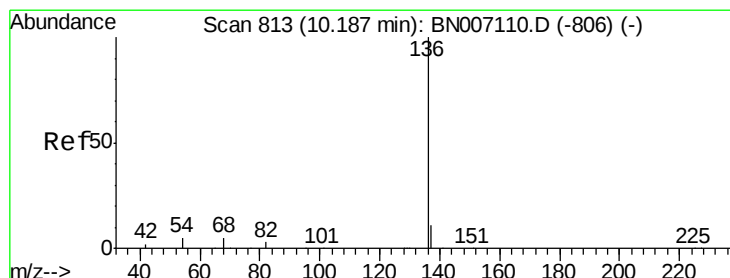
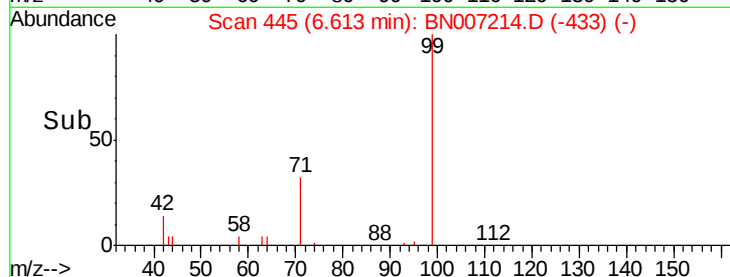
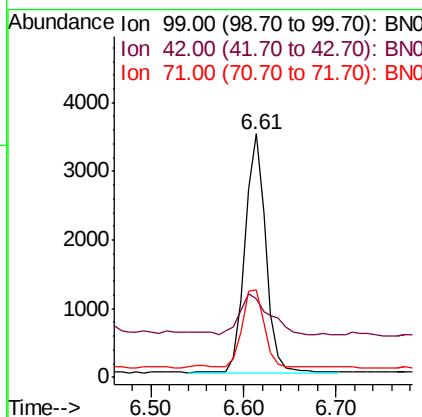
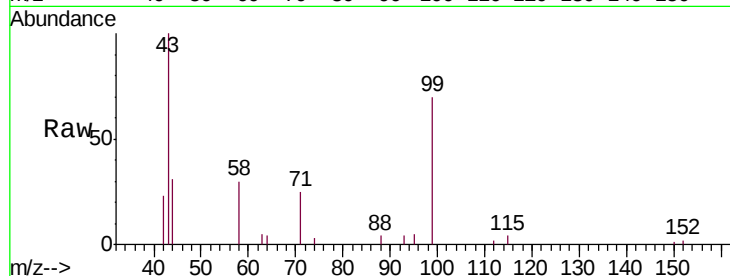
ClientSampleId :

PST-016-SW116-080819

Tgt Ion:	99	Resp:	5352
Ion Ratio	Lower	Upper	
99	100		
42	24.9	15.8	23.6#
71	34.3	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

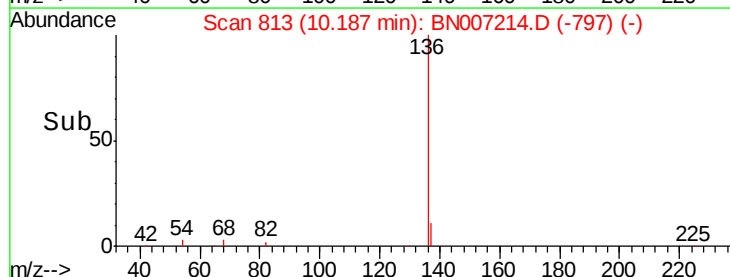
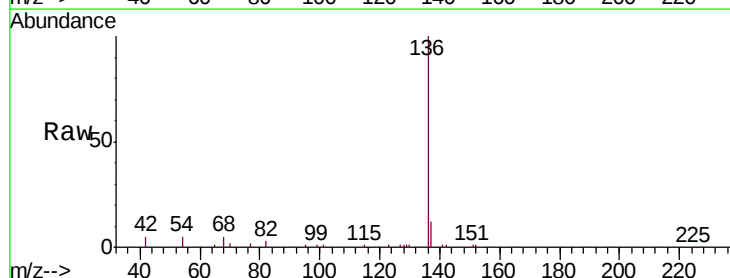
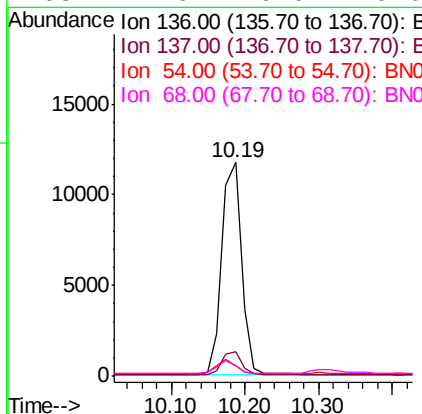
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007214.D

Acq: 16 Aug 2019 01:46

Tgt Ion:	136	Resp:	21943
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.4	14.0
54	4.7	6.6	9.8#
68	4.6	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.217 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007214.D

Acq: 16 Aug 2019 01:46

Instrument :

BNA_N

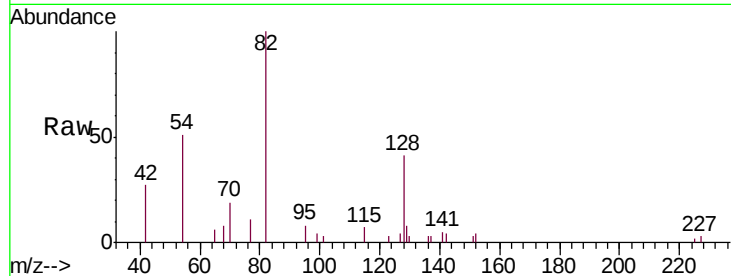
ClientSampleId :

PST-016-SW116-080819

Tgt Ion:	82	Resp:	3838
Ion Ratio	Lower	Upper	
82	100		
128	40.8	34.6	51.8
54	50.5	36.2	54.4

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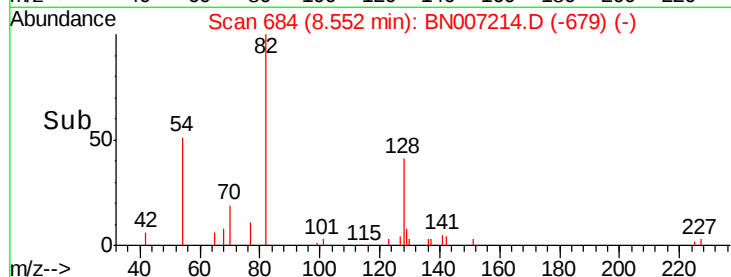


Abundance Ion 82.00 (81.70 to 82.70): BNC

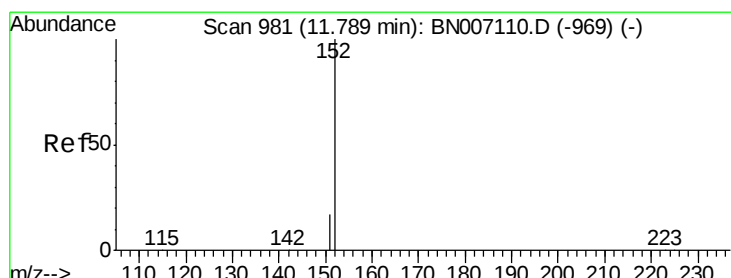
Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC

Time-->



Time-->



#10

2-Methylnaphthalene-d10

Concen: 0.180 ng

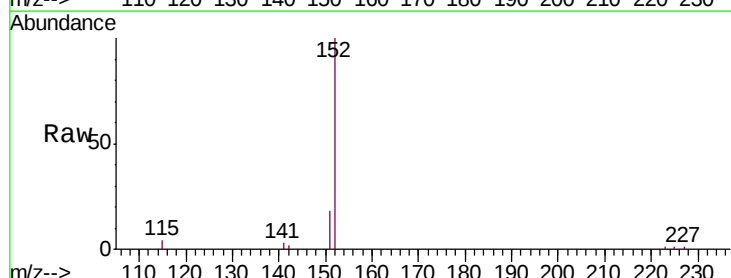
RT: 11.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BN007214.D

Acq: 16 Aug 2019 01:46

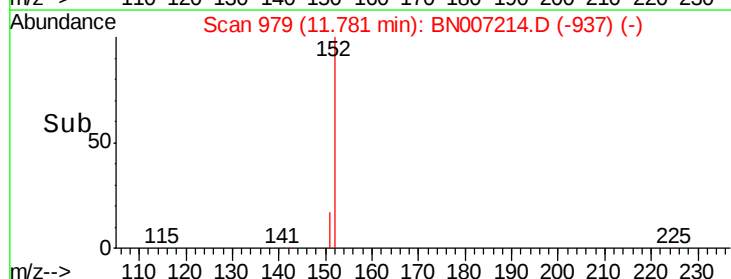
Tgt Ion:	152	Resp:	7369
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.5	23.3



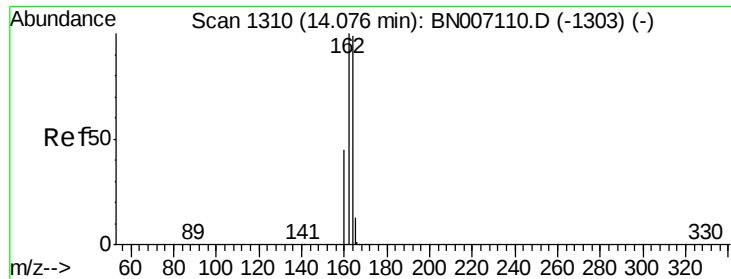
Abundance Ion 152.00 (151.70 to 152.70): BNC

Ion 151.00 (150.70 to 151.70): BNC

Time-->



Time-->



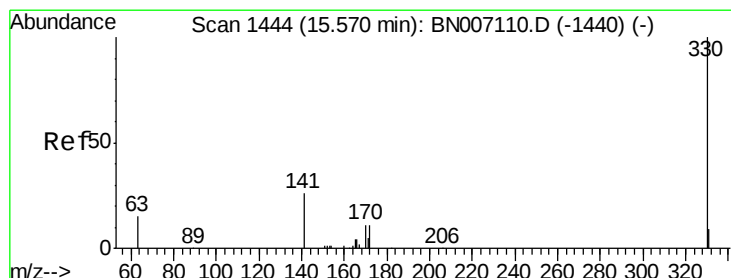
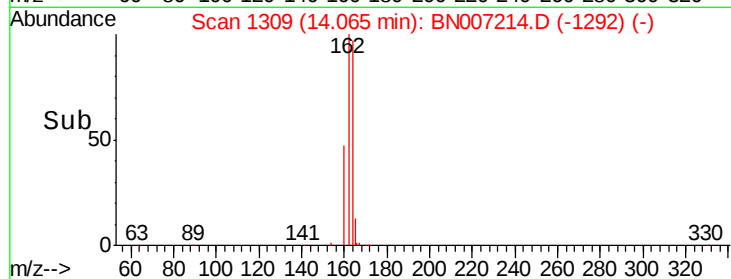
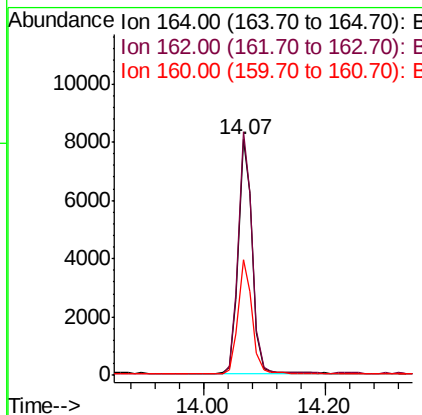
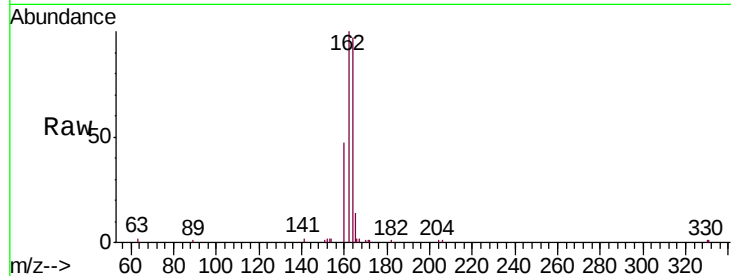
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007214.D
Acq: 16 Aug 2019 01:46

Instrument :
BNA_N
ClientSampleId :
PST-016-SW116-080819

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.2	123.4
160	48.9	38.3	57.5

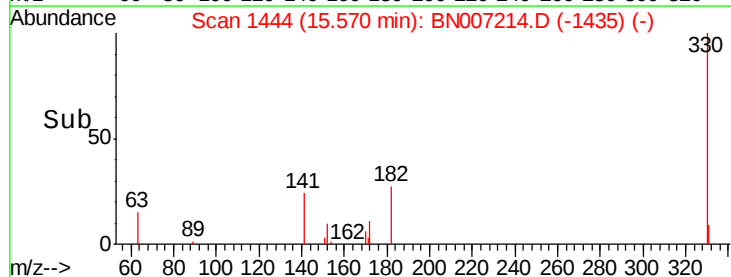
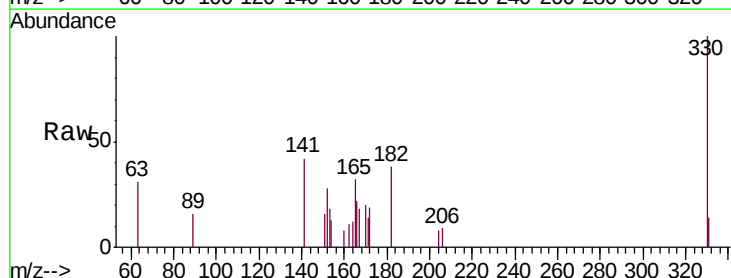
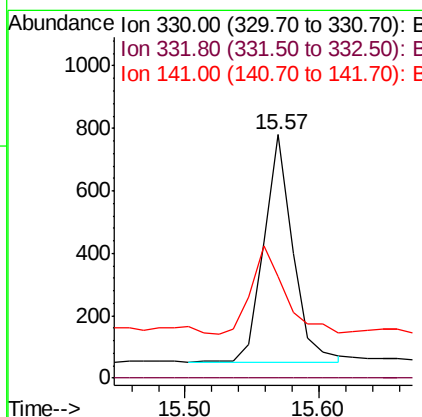
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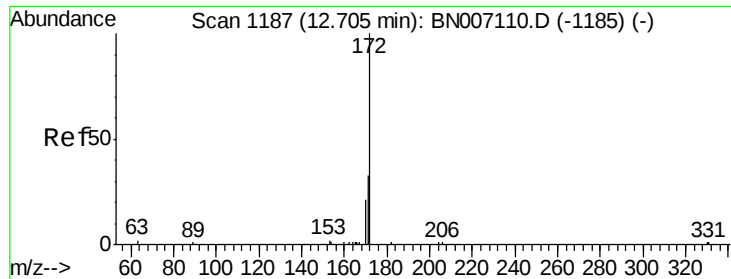
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#13
2,4,6-Tribromophenol
Concen: 0.165 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007214.D
Acq: 16 Aug 2019 01:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	44.8	33.6	50.4





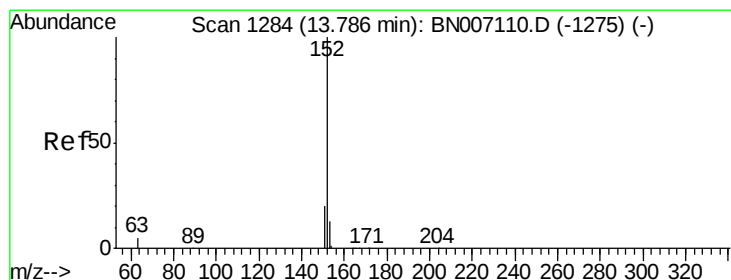
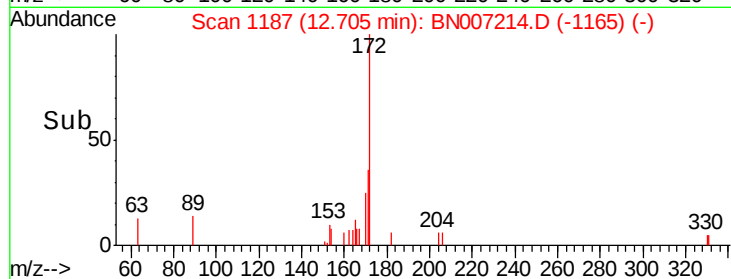
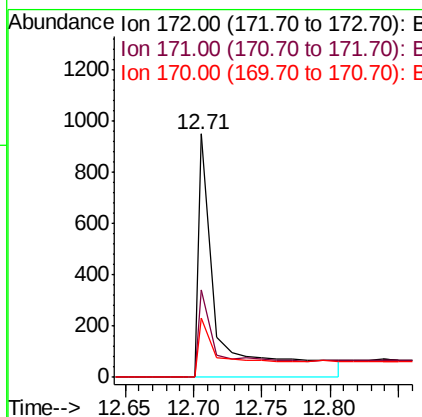
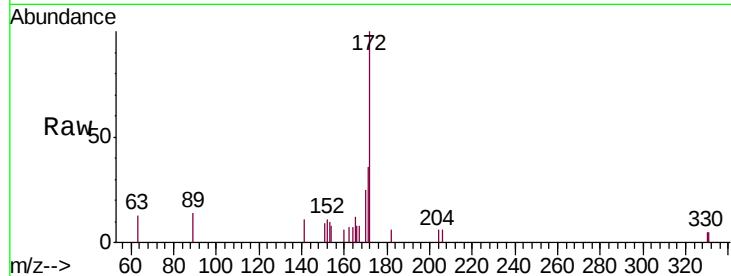
#14
2-Fluorobiphenyl
Concen: 0.056 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007214.D
Acq: 16 Aug 2019 01:46

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PST-016-SW116-080819

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	26.3	39.5
170	24.7	17.0	25.4

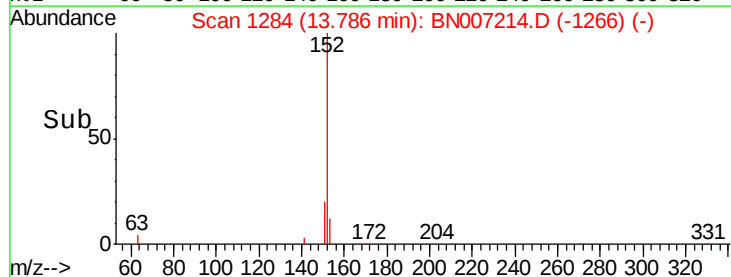
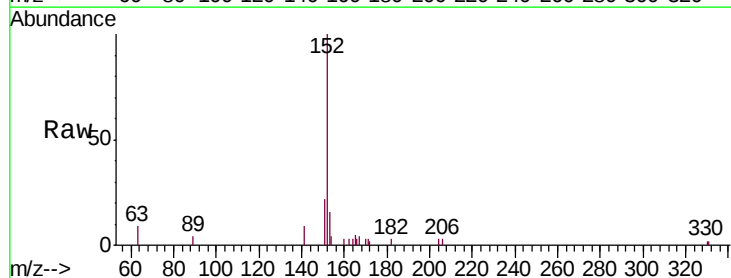
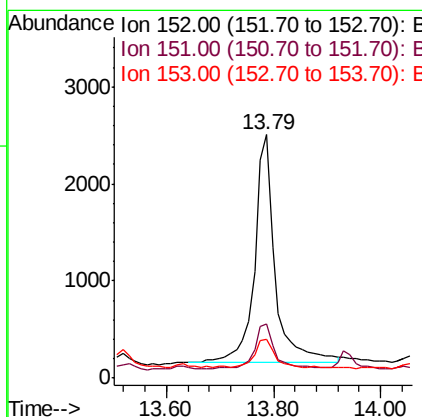
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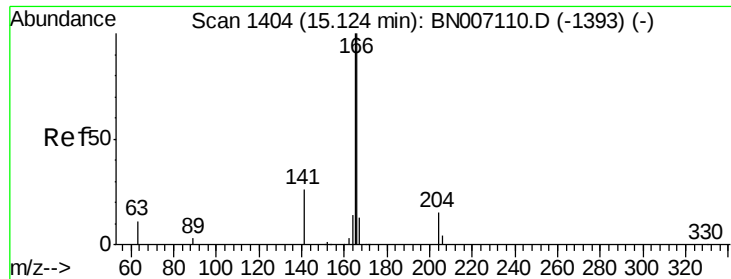
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#15
Acenaphthylene
Concen: 0.096 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007214.D
Acq: 16 Aug 2019 01:46

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.6
153	12.7	10.4	15.6





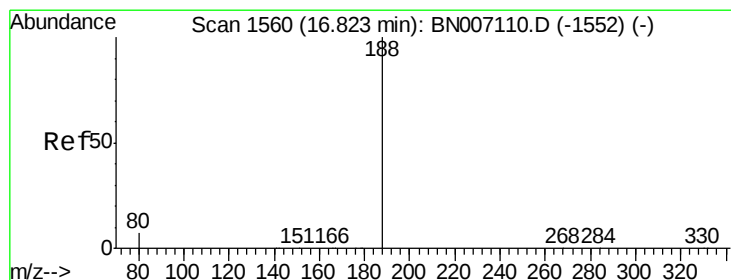
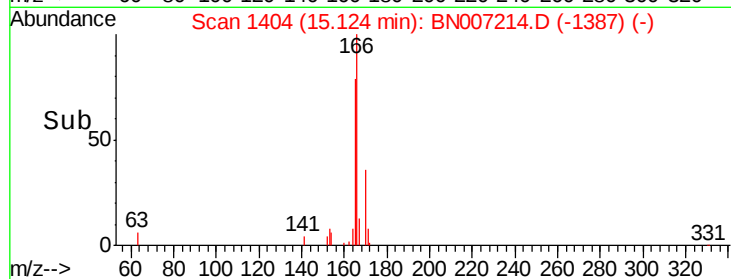
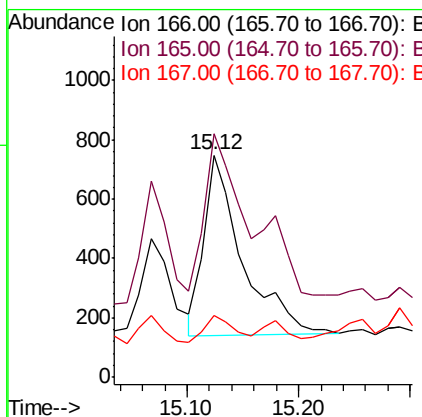
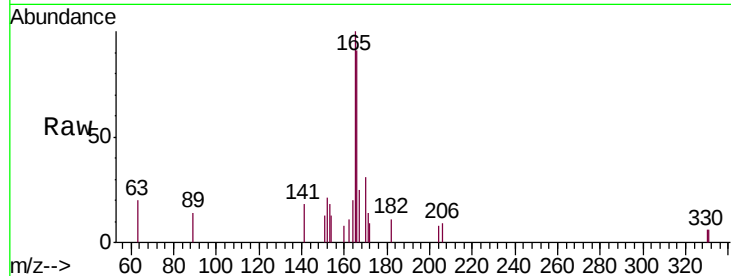
#17
Fluorene
 Concen: 0.023 ng
 RT: 15.12 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BN007214.D
 Acq: 16 Aug 2019 01:46

Instrument :
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 PST-016-SW116-080819

Tgt Ion	Ratio	Lower	Upper
166	100		
165	115.3	77.9	116.9
167	11.8	10.9	16.3

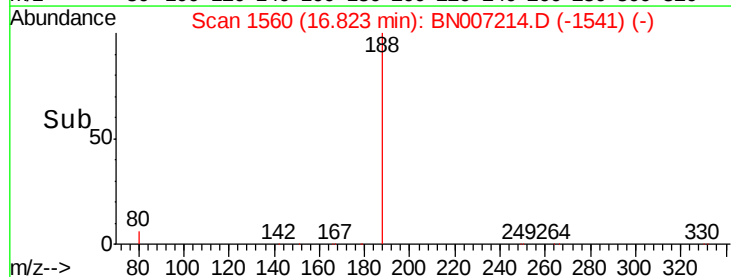
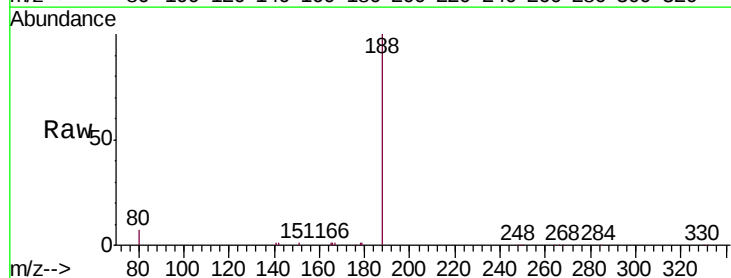
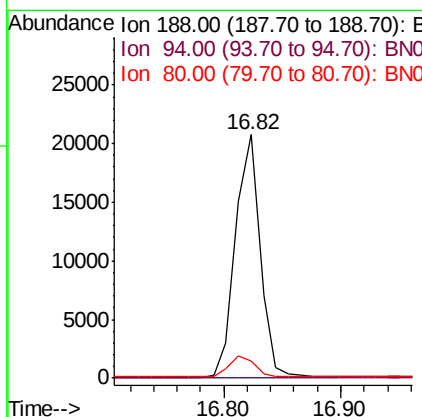
Manual Integrations
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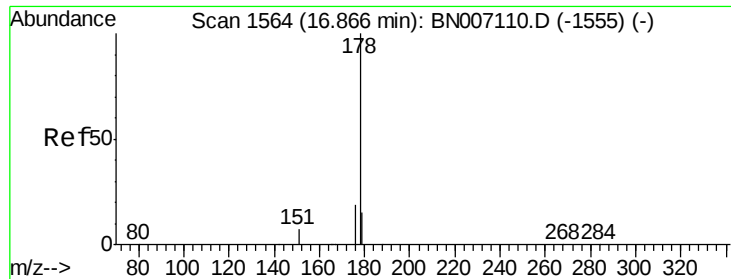
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#18
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007214.D
 Acq: 16 Aug 2019 01:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	7.8	11.6#





#22

Phenanthrene

Concen: 0.252 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007214.D

Acq: 16 Aug 2019 01:46

Instrument :

BNA_N

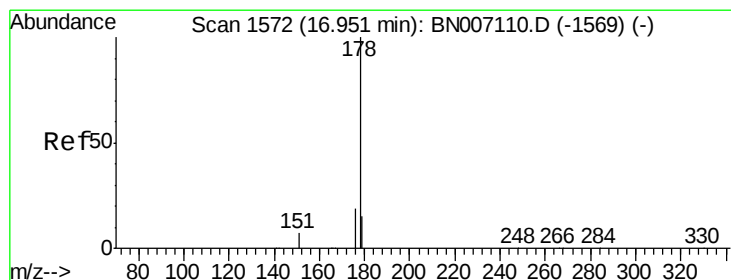
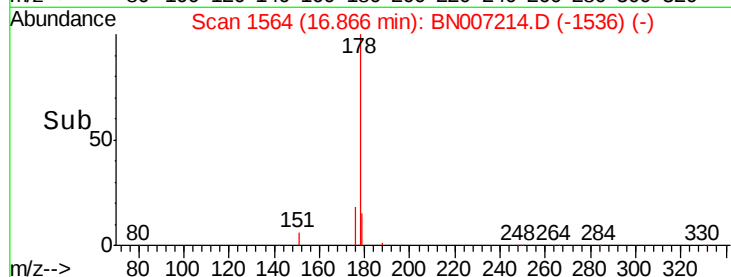
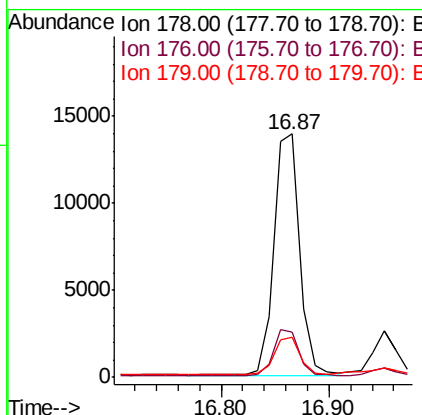
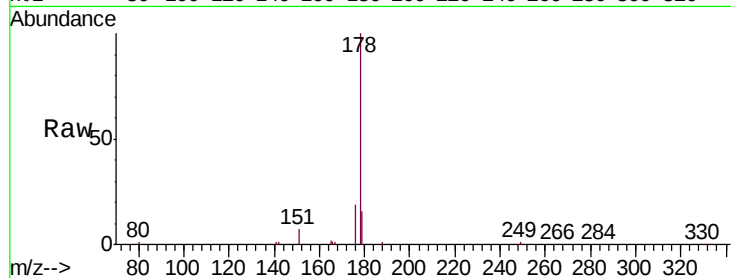
ClientSampleId :

PST-016-SW116-080819

Tgt Ion:	178	Resp:	22775
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.2	22.8
179	16.1	12.3	18.5

Manual Integrations
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#23

Anthracene

Concen: 0.042 ng

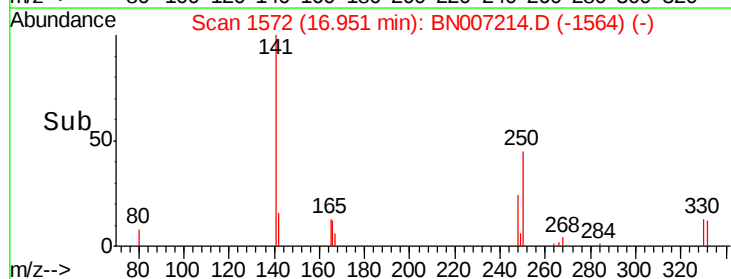
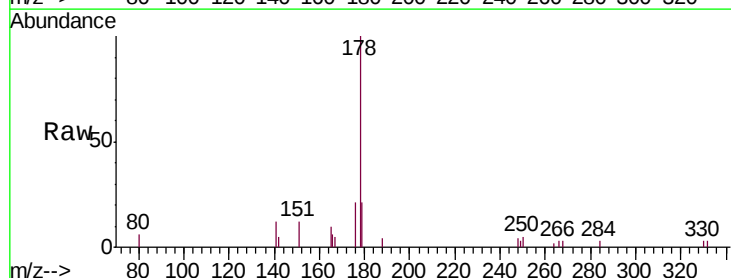
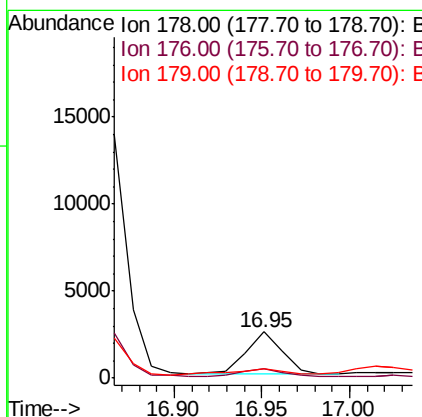
RT: 16.95 min Scan# 1572

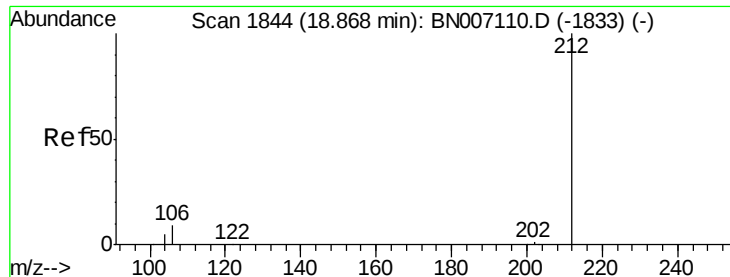
Delta R.T. -0.01 min

Lab File: BN007214.D

Acq: 16 Aug 2019 01:46

Tgt Ion:	178	Resp:	3453
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.6	21.8
179	20.2	12.5	18.7#





#24

Fluoranthene-d10

Concen: 0.129 ng

RT: 18.86 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BN007214.D

Acq: 16 Aug 2019 01:46

Instrument :

BNA_N

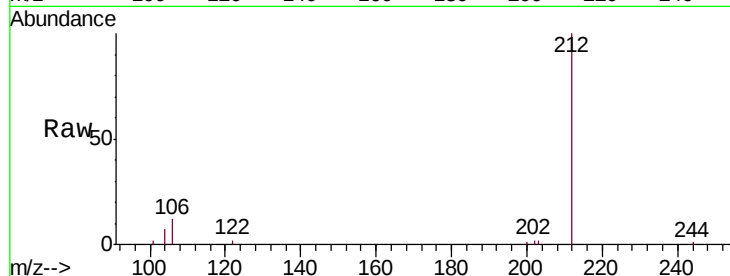
ClientSampleId :

PST-016-SW116-080819

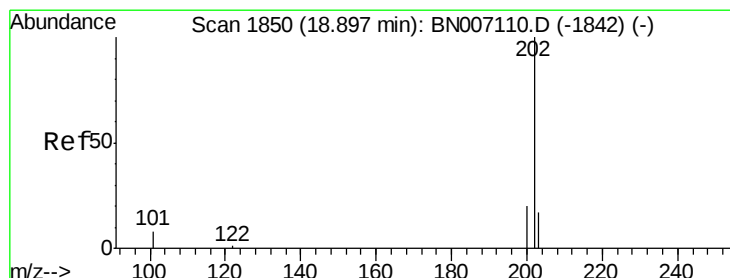
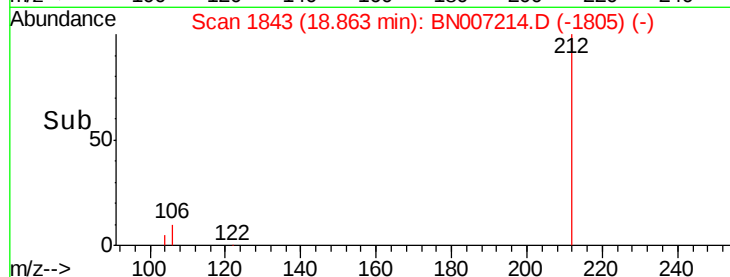
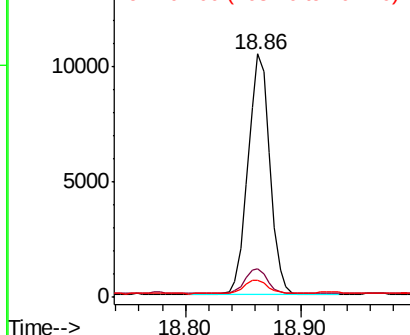
Tgt Ion:	212	Resp:	13822
Ion Ratio	Lower	Upper	
212	100		
106	10.8	8.2	12.2
104	6.7	4.5	6.7

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



#25

Fluoranthene

Concen: 0.332 ng

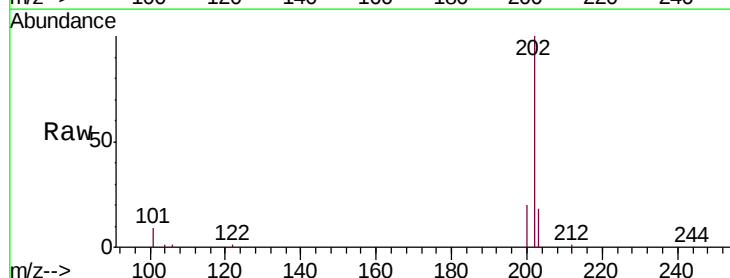
RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

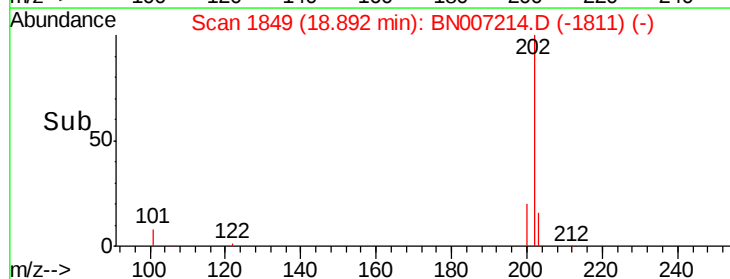
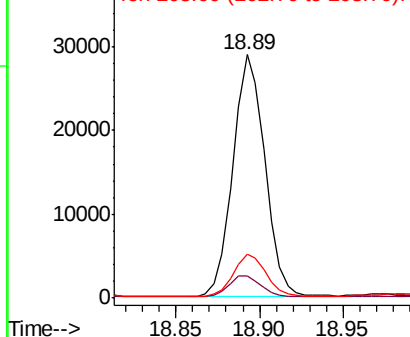
Lab File: BN007214.D

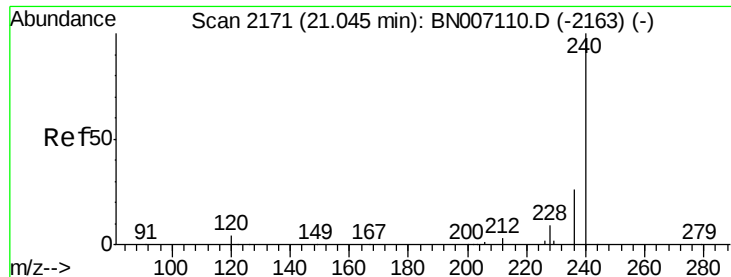
Acq: 16 Aug 2019 01:46

Tgt Ion:	202	Resp:	38368
Ion Ratio	Lower	Upper	
202	100		
101	8.9	7.0	10.4
203	17.5	13.8	20.8



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





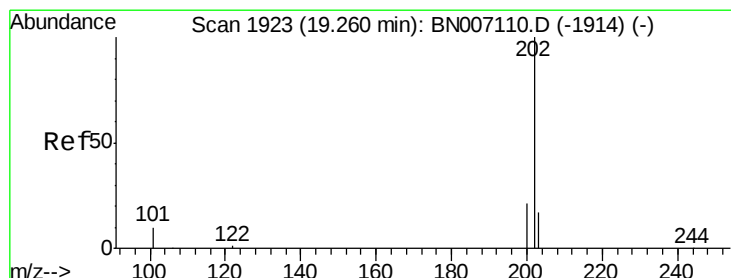
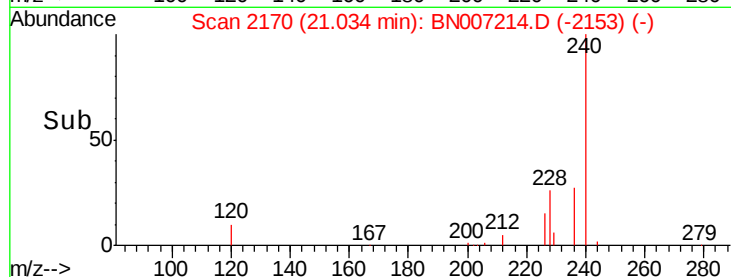
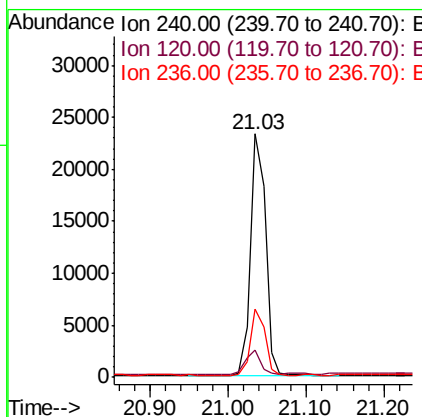
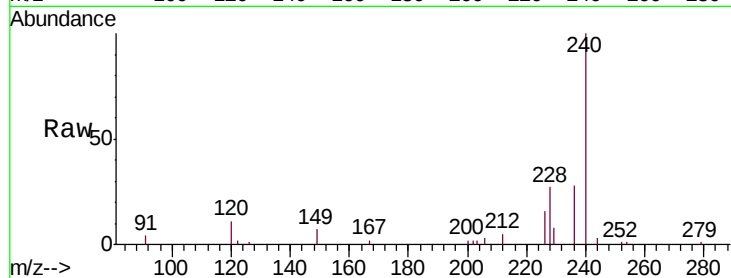
#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BN007214.D
Acq: 16 Aug 2019 01:46

Instrument :
BNA_N
ClientSampleId :
PST-016-SW116-080819

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.0	4.0	6.0#
236	28.0	21.3	31.9

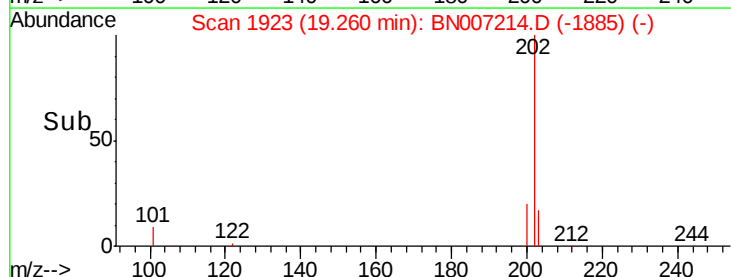
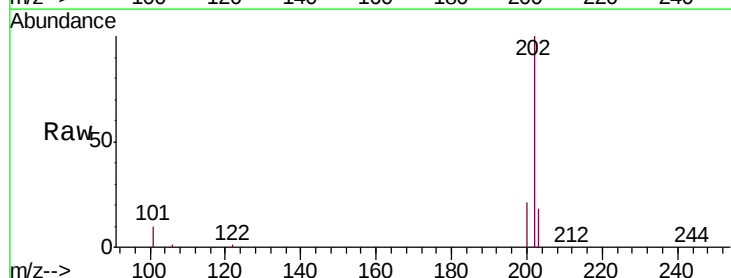
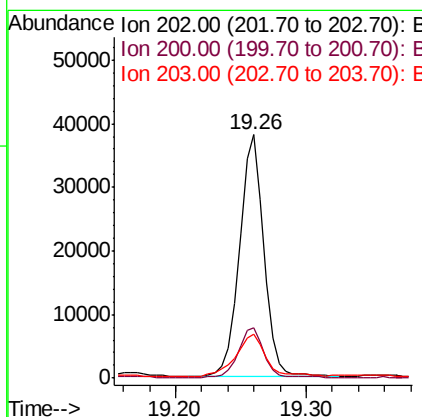
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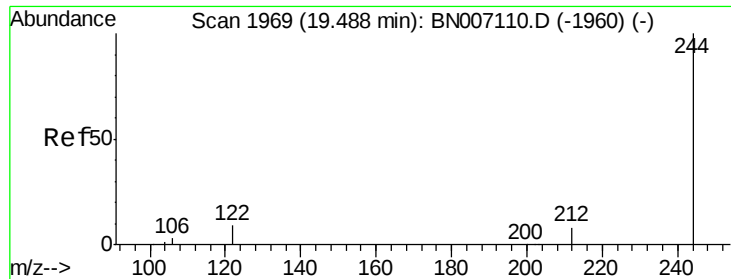
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#27
Pyrene
Concen: 0.451 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007214.D
Acq: 16 Aug 2019 01:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	21.5	14.0	21.0#





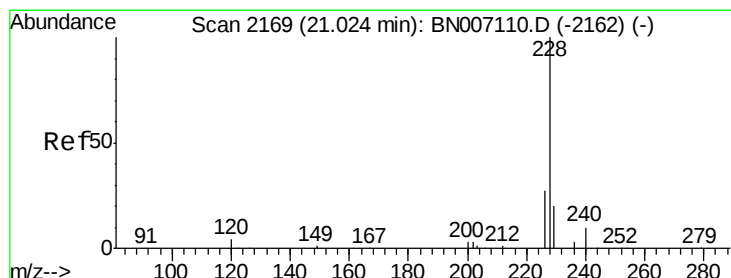
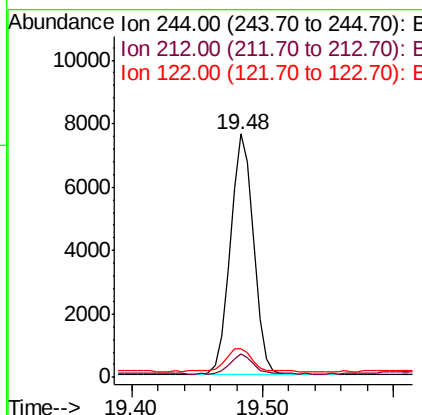
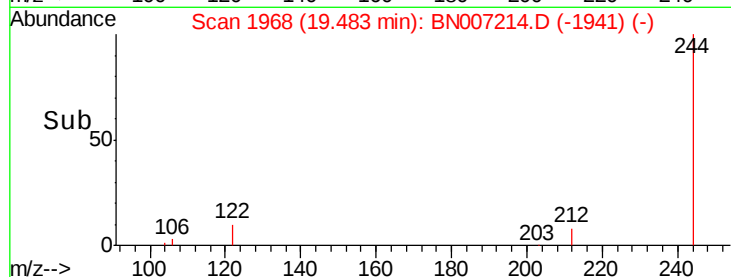
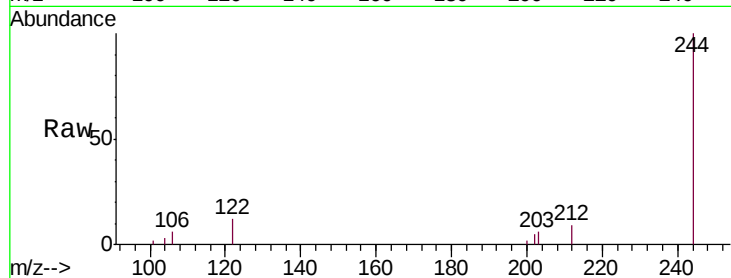
#28
 Terphenyl-d14
 Concen: 0.110 ng
 RT: 19.48 min Scan# 1968
 Delta R.T. -0.02 min
 Lab File: BN007214.D
 Acq: 16 Aug 2019 01:46

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-SW116-080819

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.4	6.2	9.2#
122	11.9	7.4	11.2#

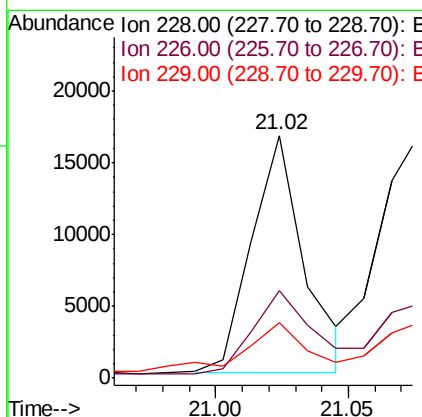
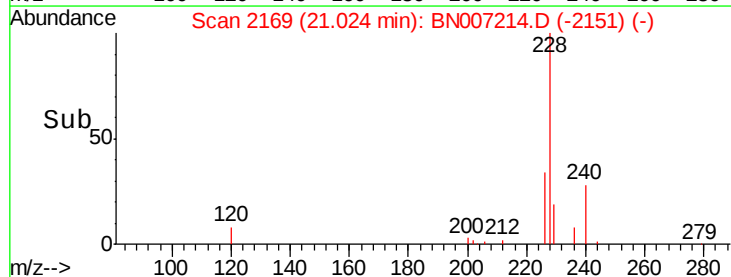
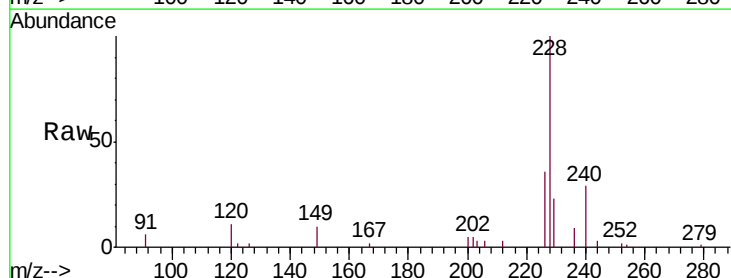
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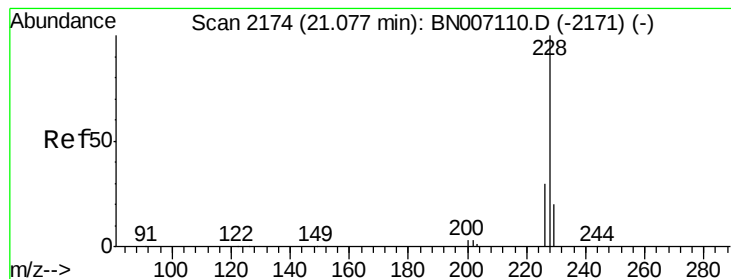
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#29
 Benzo(a)anthracene
 Concen: 0.199 ng m
 RT: 21.02 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BN007214.D
 Acq: 16 Aug 2019 01:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.9	21.8	32.6#
229	22.6	15.6	23.4





#30

Chrysene

Concen: 0.227 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007214.D

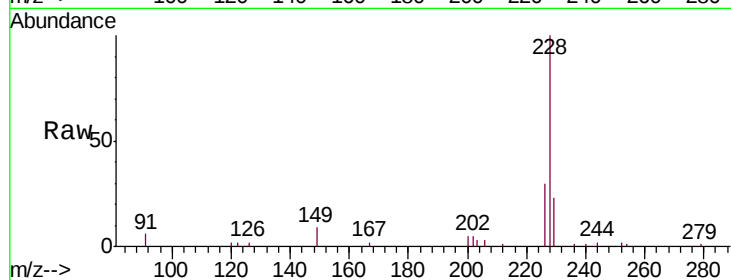
Acq: 16 Aug 2019 01:46

Instrument :

BNA_N

ClientSampleId :

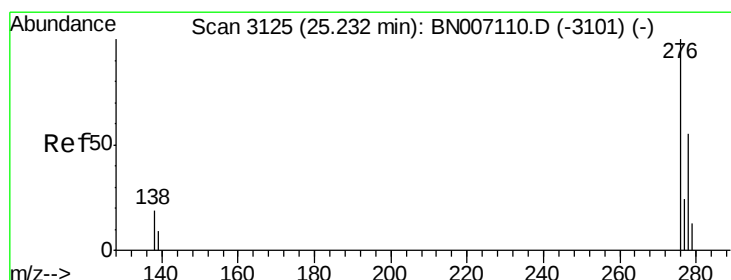
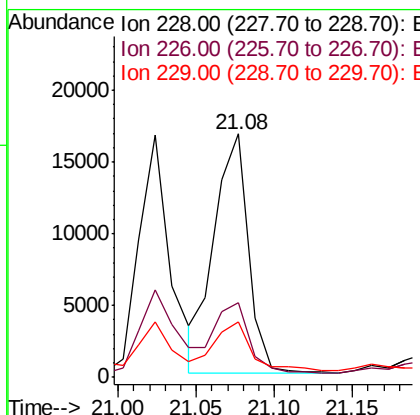
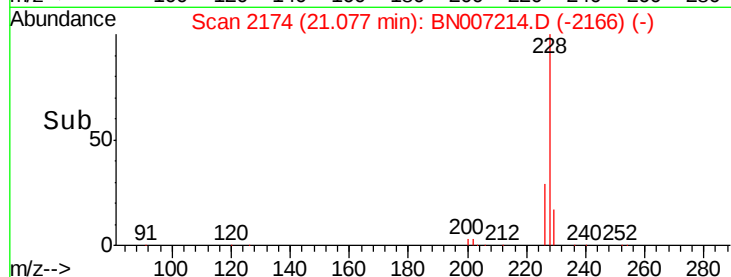
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Tgt Ion:	228	Resp:	25261
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.8	35.6
229	23.0	15.7	23.5

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#31

Indeno(1,2,3-cd)pyrene

Concen: 0.099 ng

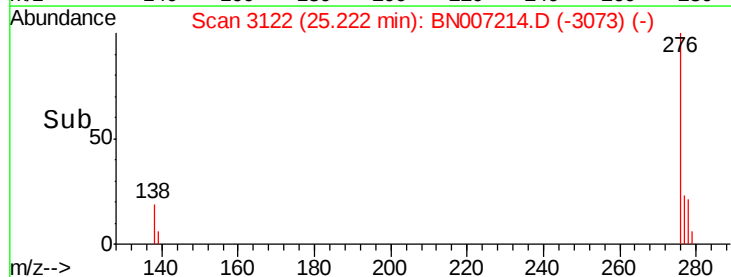
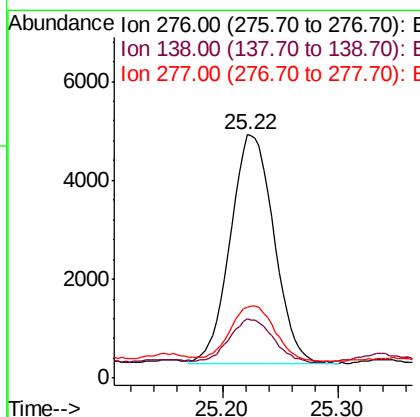
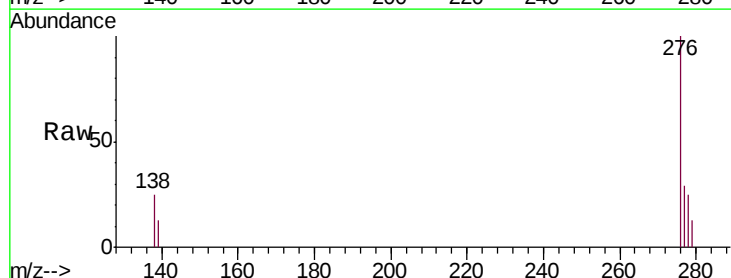
RT: 25.22 min Scan# 3122

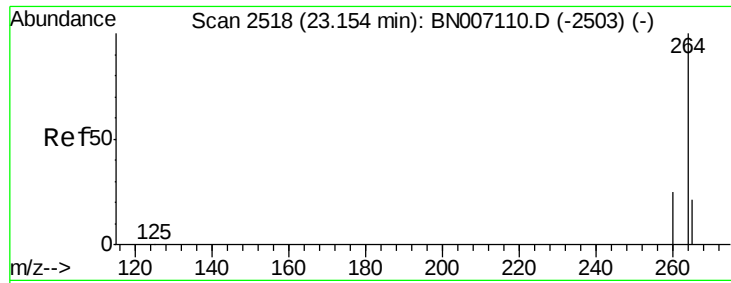
Delta R.T. -0.03 min

Lab File: BN007214.D

Acq: 16 Aug 2019 01:46

Tgt Ion:	276	Resp:	12194
Ion Ratio	Lower	Upper	
276	100		
138	19.2	16.0	24.0
277	25.3	19.9	29.9





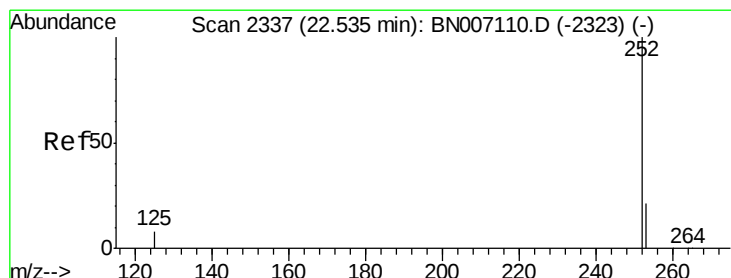
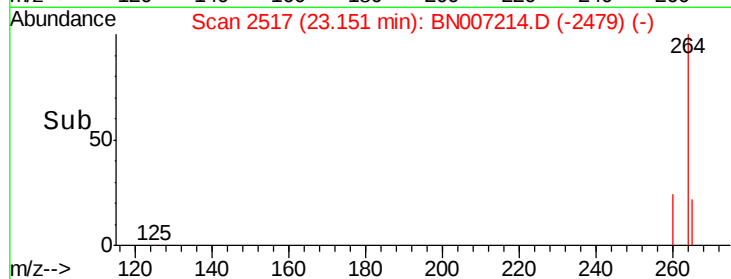
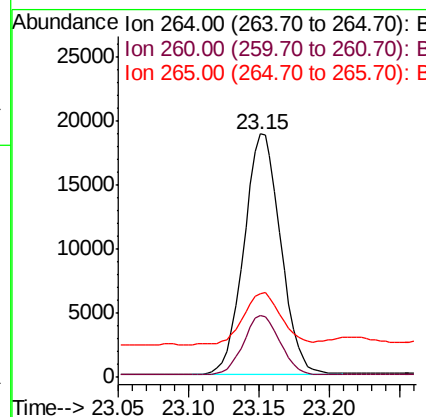
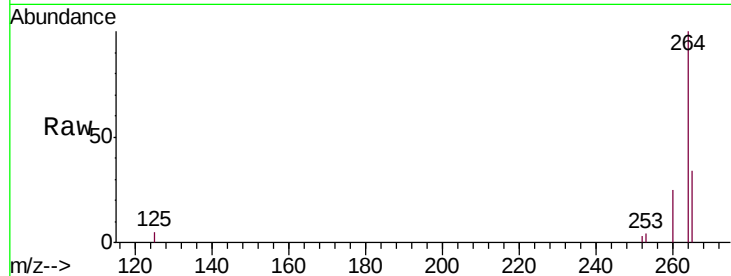
#32
Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2517
 Delta R.T. -0.02 min
 Lab File: BN007214.D
 Acq: 16 Aug 2019 01:46

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-SW116-080819

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.8	29.8
265	34.5	26.2	39.4

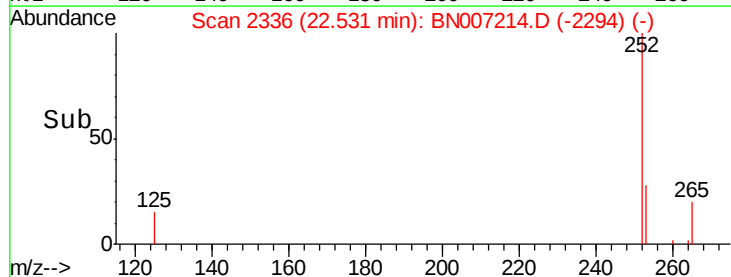
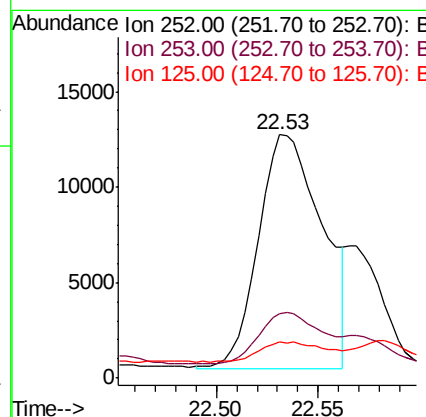
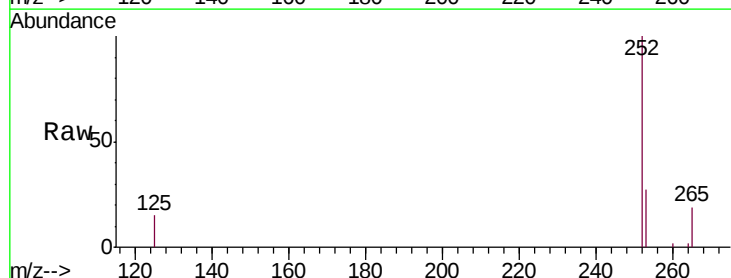
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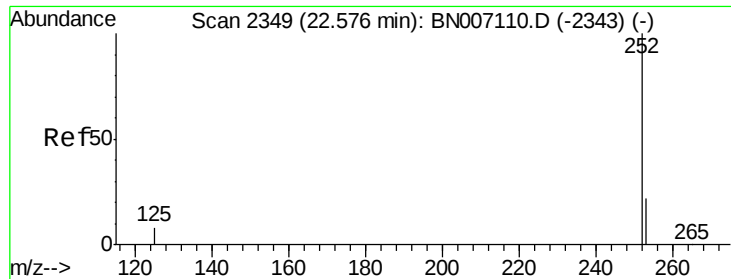
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#33
Benzo(b)fluoranthene
 Concen: 0.230 ng m
 RT: 22.53 min Scan# 2336
 Delta R.T. -0.02 min
 Lab File: BN007214.D
 Acq: 16 Aug 2019 01:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.2	27.2
125	14.6	7.4	11.0





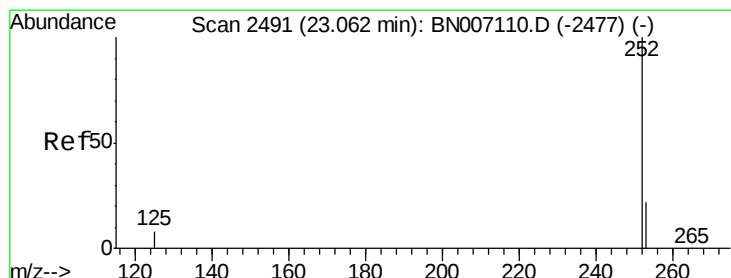
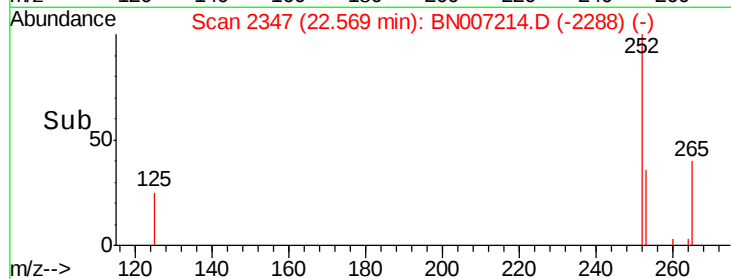
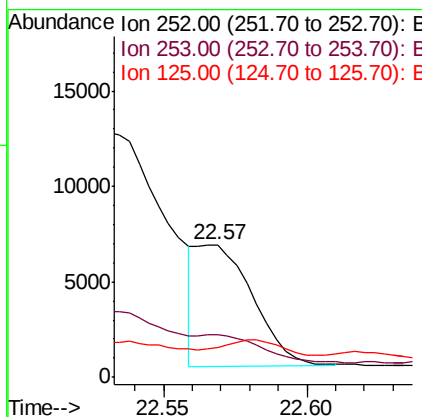
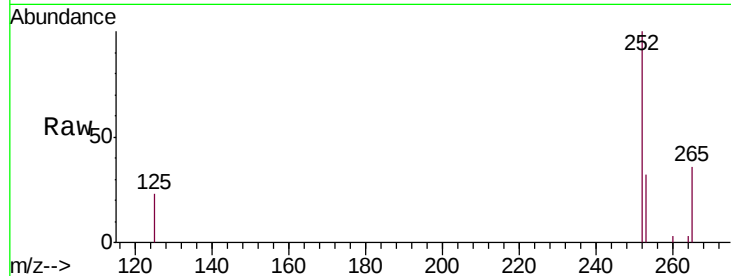
#34
Benzo(k)fluoranthene
Concen: 0.077 ng m
RT: 22.57 min Scan# 2347
Delta R.T. -0.02 min
Lab File: BN007214.D
Acq: 16 Aug 2019 01:46

Instrument :
BNA_N
ClientSampleId :
PST-016-SW116-080819

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.5	18.1	27.1#
125	22.7	7.4	11.0#

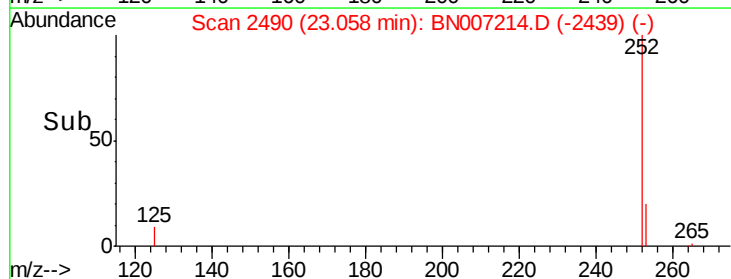
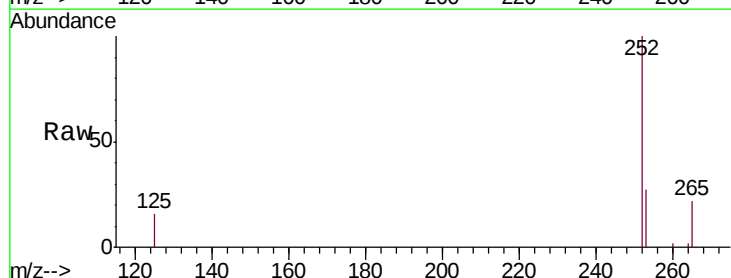
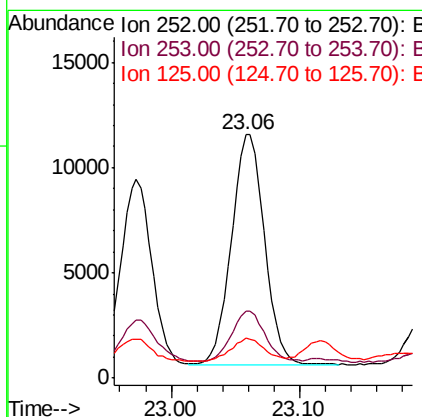
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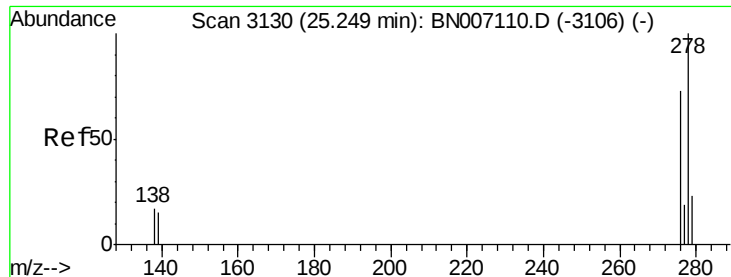
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#35
Benzo(a)pyrene
Concen: 0.184 ng
RT: 23.06 min Scan# 2490
Delta R.T. -0.02 min
Lab File: BN007214.D
Acq: 16 Aug 2019 01:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	18.5	27.7
125	16.4	8.2	12.4#





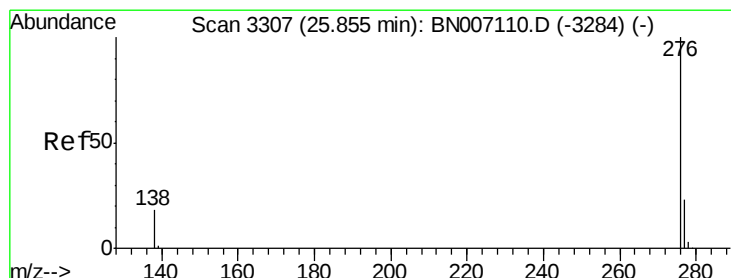
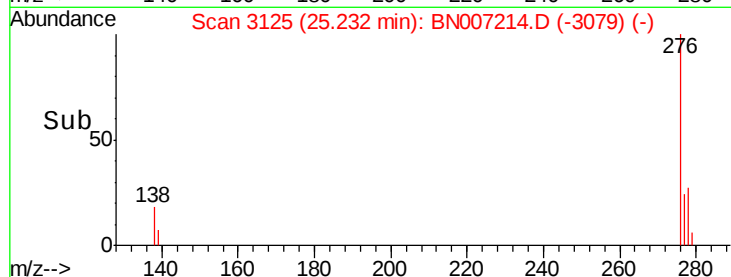
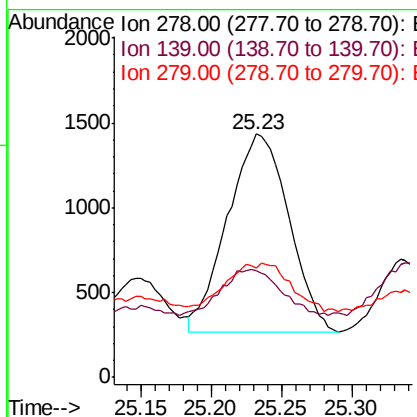
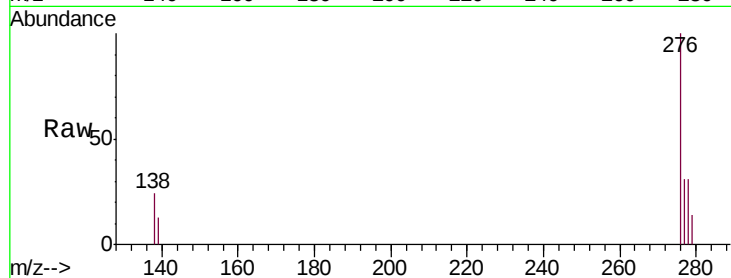
#36
Dibenzo(a,h)anthracene
Concen: 0.033 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.04 min
Lab File: BN007214.D
Acq: 16 Aug 2019 01:46

Instrument :
BNA_N
ClientSampleId :
PST-016-SW116-080819

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	3538		
139	43.9	11.3	16.9#	
279	45.1	19.3	28.9#	

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#37
Benzo(g,h,i)perylene
Concen: 0.123 ng
RT: 25.85 min Scan# 3307
Delta R.T. -0.02 min
Lab File: BN007214.D
Acq: 16 Aug 2019 01:46

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	13420		
277	29.9	19.8	29.8#	
138	23.9	14.6	22.0#	

