

Data File : BN007213.D
Acq On : 16 Aug 2019 01:10
Operator : HP/JU
Sample : K4240-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-035-B243-080619

Manual Integrations
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Quant Time: Aug 16 07:51:40 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	7023	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	26619	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	15440	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	36360	0.40	ng	0.00
26) Chrysene-d12	21.03	240	35708	0.40	ng	-0.02
32) Perylene-d12	23.15	264	40030	0.40	ng	-0.02
System Monitoring Compounds						
3) 2-Fluorophenol	5.06	112	7202	0.43	ng	0.00
4) Phenol-d6	6.61	99	9621	0.46	ng	0.00
7) Nitrobenzene-d5	8.55	82	8023	0.37	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	17195	0.35	ng	-0.01
13) 2,4,6-Tribromophenol	15.57	330	968	0.12	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	2132	0.09	ng	0.00
24) Fluoranthene-d10	18.86	212	44287	0.34	ng	-0.01
28) Terphenyl-d14	19.48	244	35123	0.36	ng	-0.01
Target Compounds				Qvalue		
15) Acenaphthylene	13.79	152	7218	0.089	ng	98
22) Phenanthrene	16.87	178	10480	0.096	ng	98
23) Anthracene	16.95	178	2596	0.026	ng	# 92
25) Fluoranthene	18.89	202	27188	0.195	ng	99
27) Pyrene	19.26	202	24624	0.197	ng	# 95
29) Benzo(a)anthracene	21.02	228	17355	0.133	ng	# 73
30) Chrysene	21.07	228	14351	0.113	ng	# 90
31) Indeno(1,2,3-cd)pyrene	25.23	276	8997	0.064	ng	97
33) Benzo(b)fluoranthene	22.53	252	18713	0.136	ng	# 84
34) Benzo(k)fluoranthene	22.57	252	6840m	0.050	ng	
35) Benzo(a)pyrene	23.06	252	13614	0.109	ng	# 83
37) Benzo(g,h,i)perylene	25.85	276	8400	0.066	ng	# 81

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

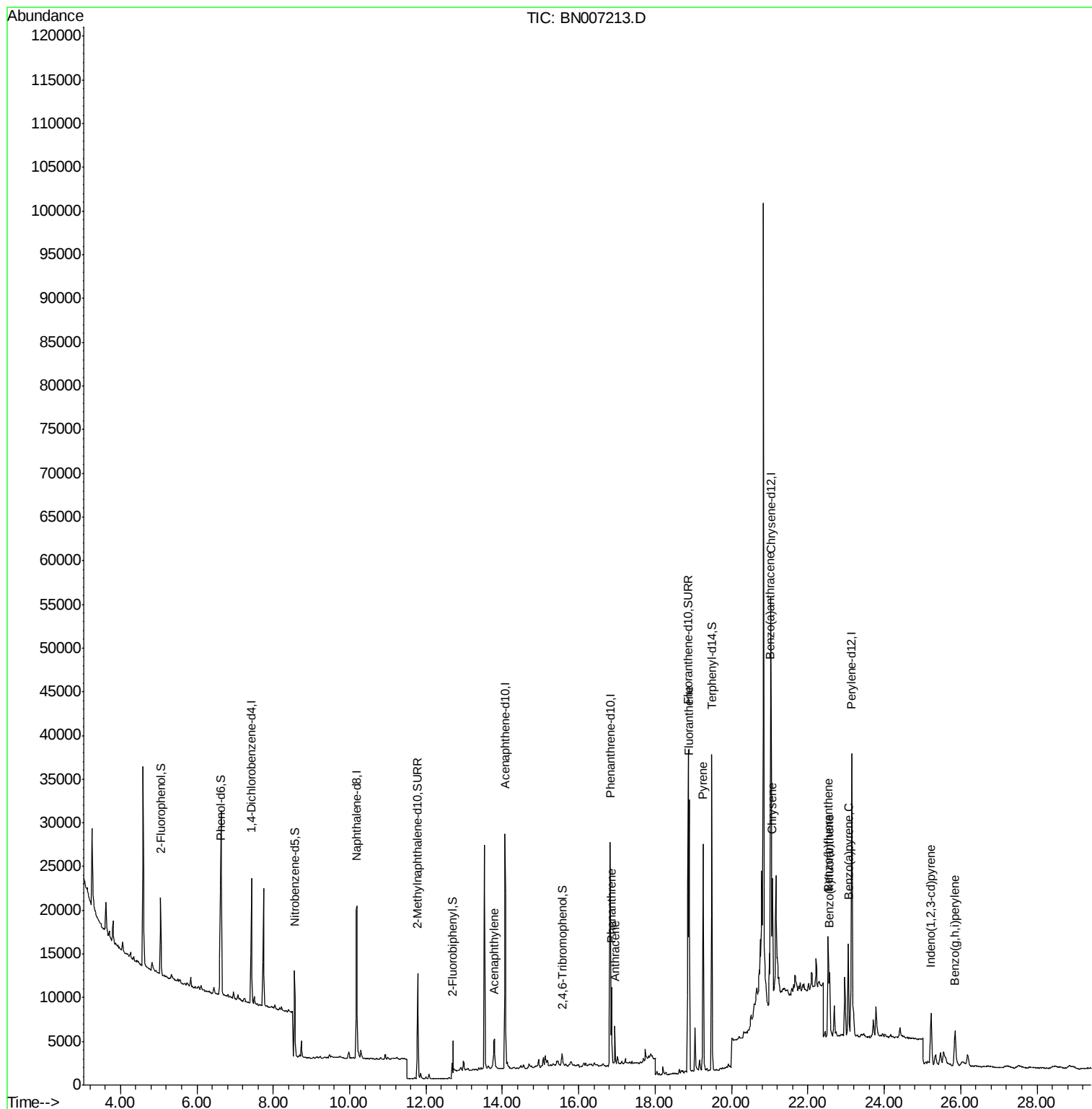
Data File : BN007213.D
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#1

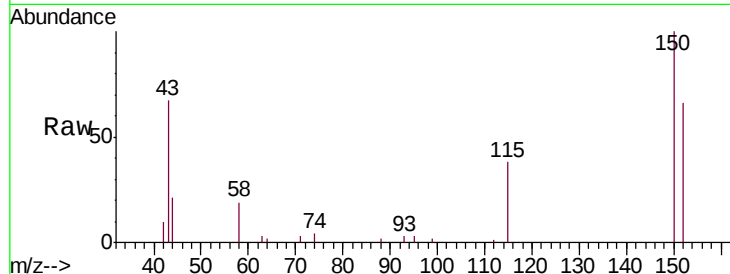
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007213.D
Acq: 16 Aug 2019 01:10

Instrument :
BNA_N
ClientSampleId :
PST-035-B243-080619

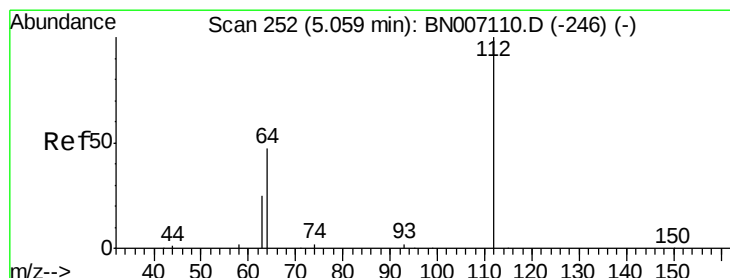
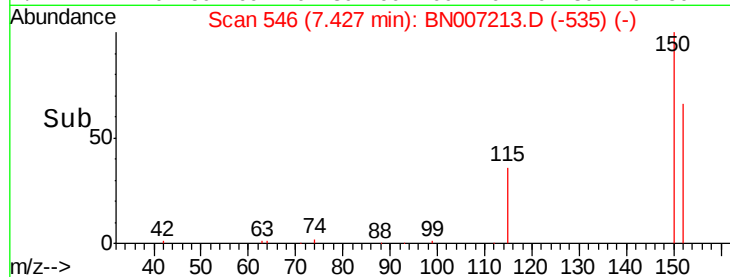
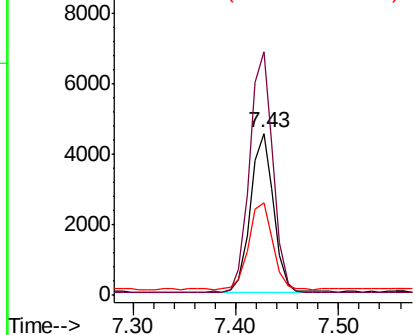
Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.5	121.7	182.5
115	57.5	46.2	69.4

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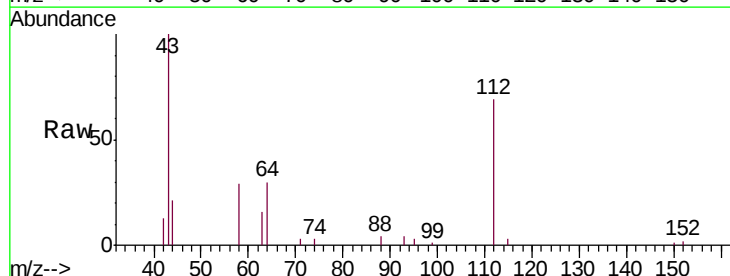
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



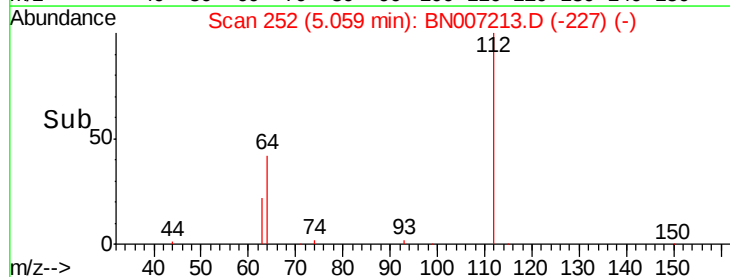
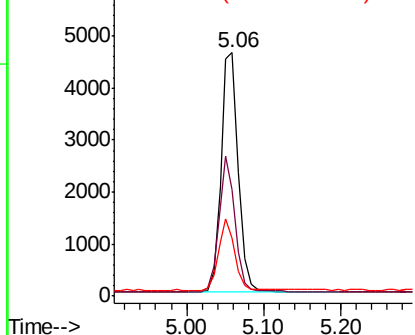
#3

2-Fluorophenol
Concen: 0.427 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007213.D
Acq: 16 Aug 2019 01:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	42.6	63.8
63	28.1	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: 0.460 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

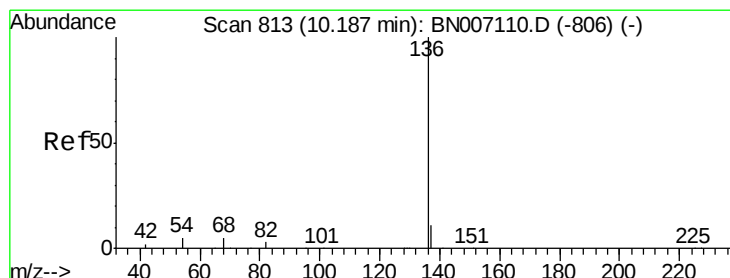
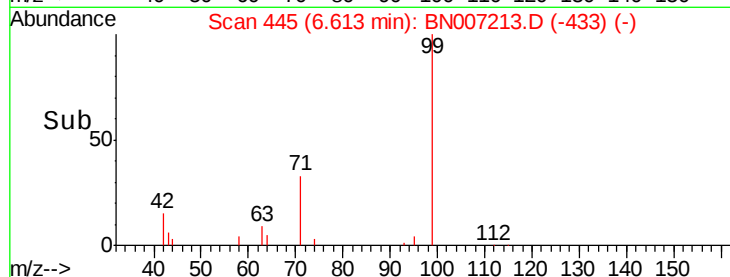
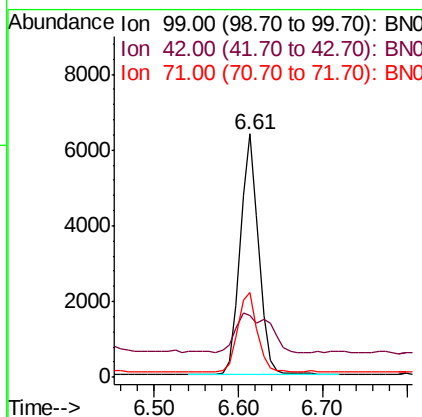
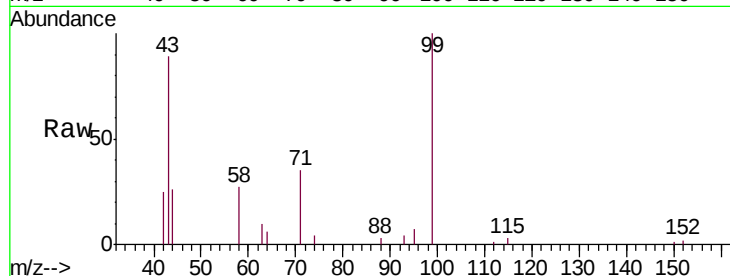
ClientSampleId :

PST-035-B243-080619

Tgt Ion:	99	Resp:	9621
Ion Ratio	Lower	Upper	
99	100		
42	29.5	15.8	23.6#
71	34.3	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

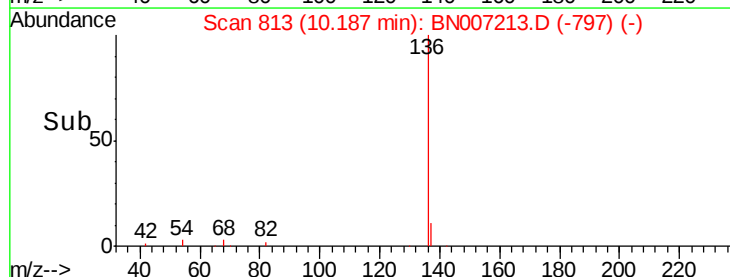
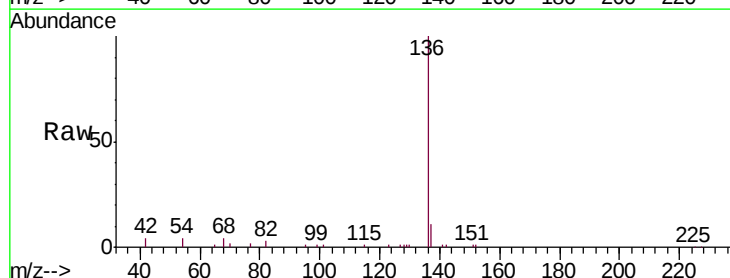
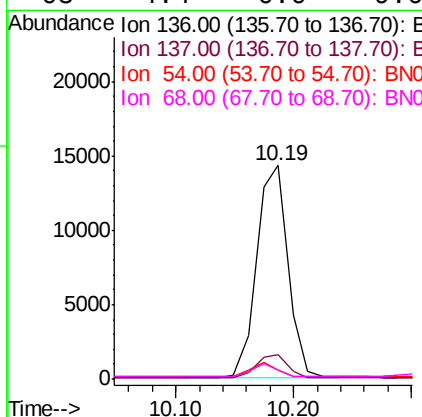
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Tgt Ion:	136	Resp:	26619
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.4	14.0
54	4.4	6.6	9.8#
68	4.4	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.374 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

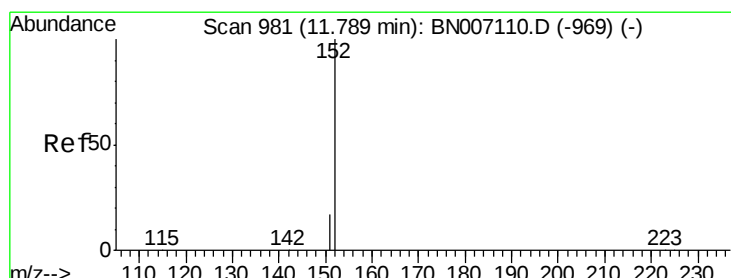
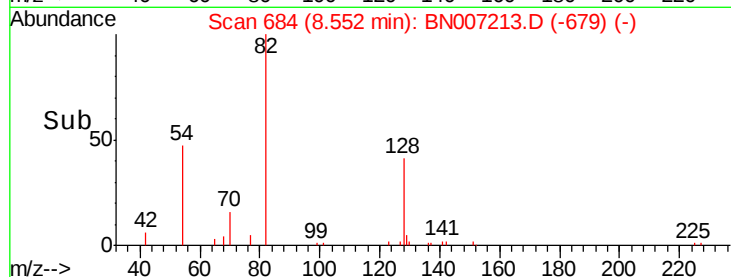
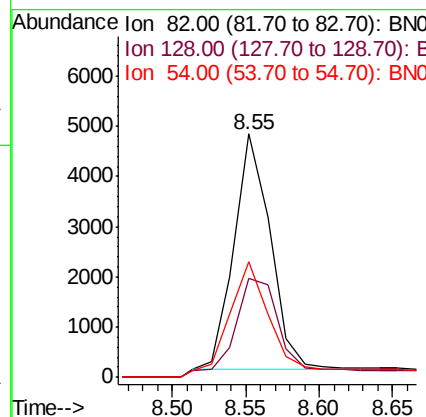
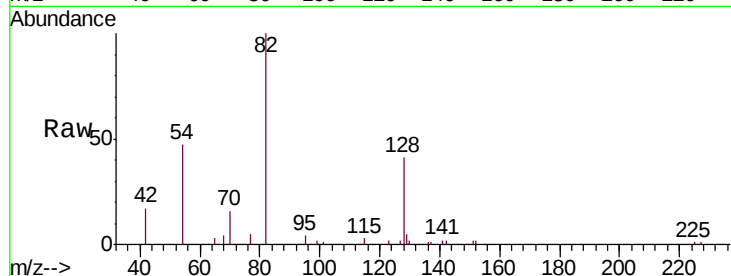
ClientSampleId :

PST-035-B243-080619

Tgt Ion:	82	Resp:	8023
Ion	Ratio	Lower	Upper
82	100		
128	40.8	34.6	51.8
54	47.3	36.2	54.4

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#10

2-Methylnaphthalene-d10

Concen: 0.346 ng

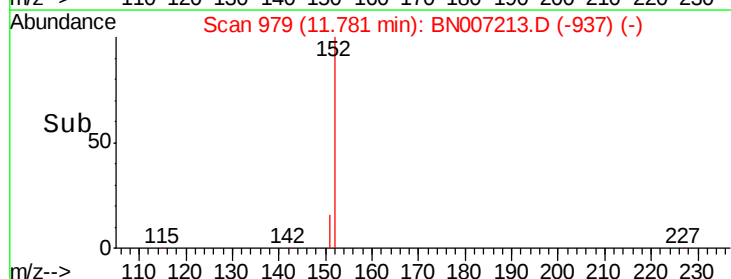
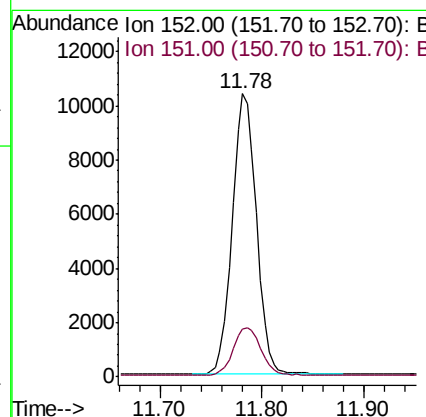
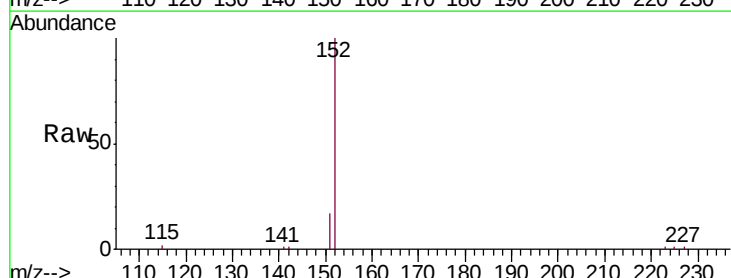
RT: 11.78 min Scan# 979

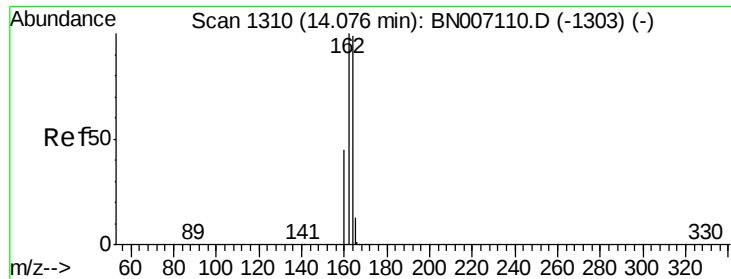
Delta R.T. -0.01 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Tgt Ion:	152	Resp:	17195
Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

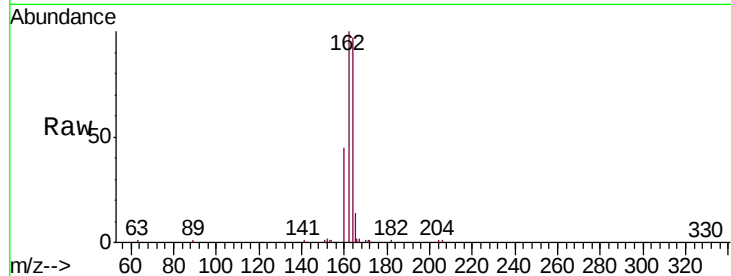
ClientSampleId :

PST-035-B243-080619

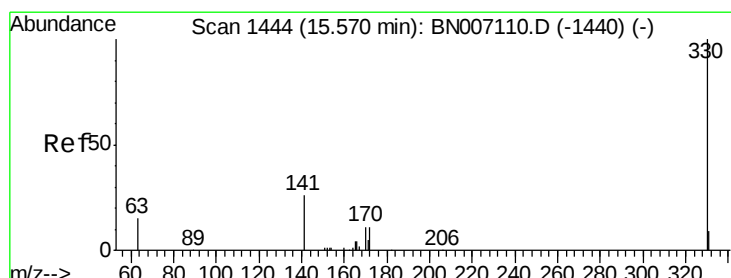
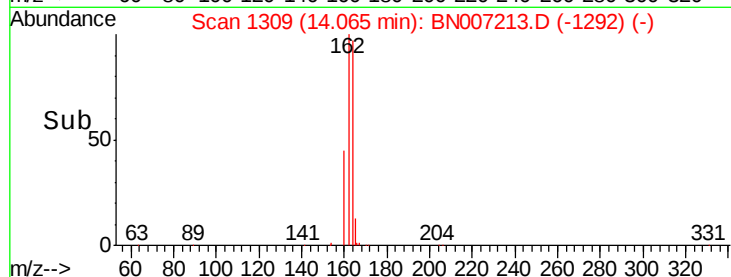
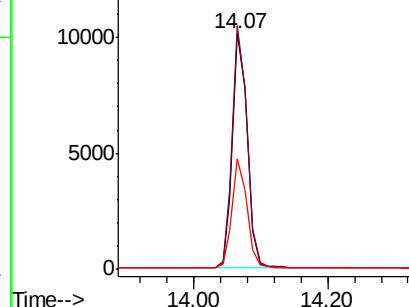
Tgt Ion:	164	Resp:	15440
Ion Ratio	Lower	Upper	
164	100		
162	103.2	82.2	123.4
160	46.8	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 0.116 ng

RT: 15.57 min Scan# 1444

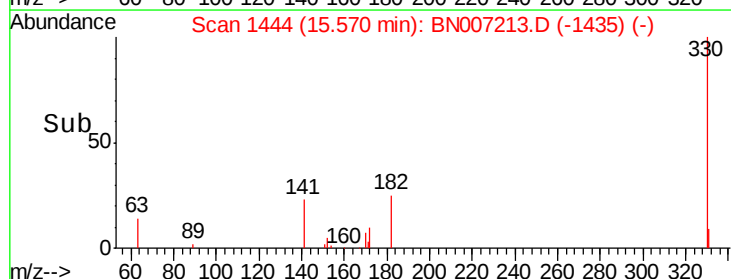
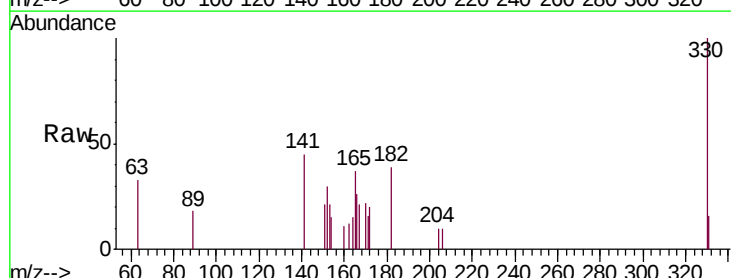
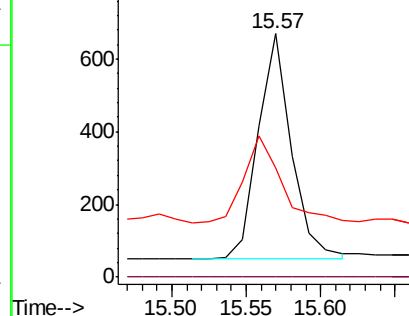
Delta R.T. -0.00 min

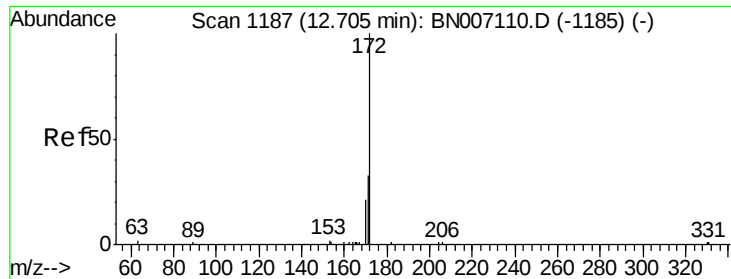
Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Tgt Ion:	330	Resp:	968
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	43.4	33.6	50.4

Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





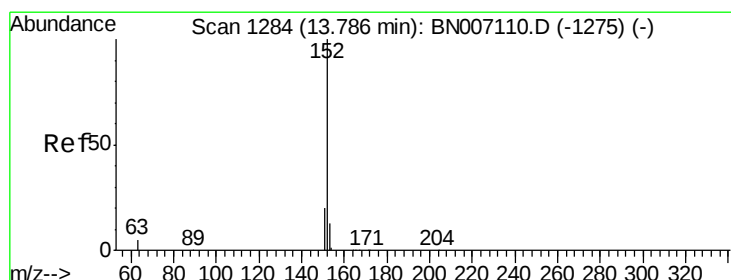
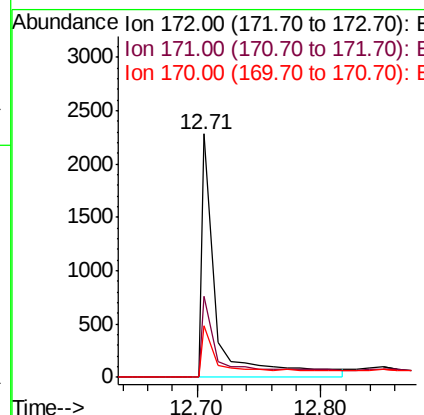
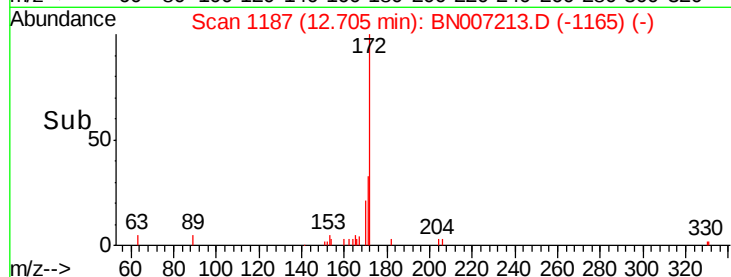
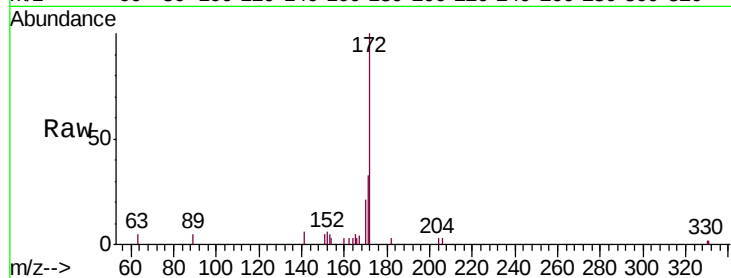
#14
2-Fluorobiphenyl
Concen: 0.095 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007213.D
Acq: 16 Aug 2019 01:10

Instrument :
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ClientSampleId :
PST-035-B243-080619

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	26.3	39.5
170	21.1	17.0	25.4

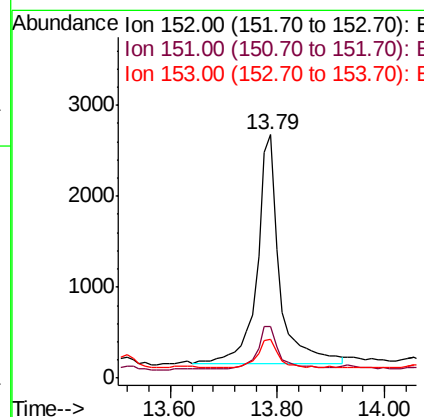
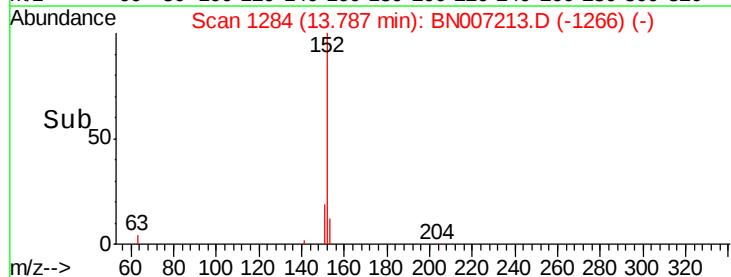
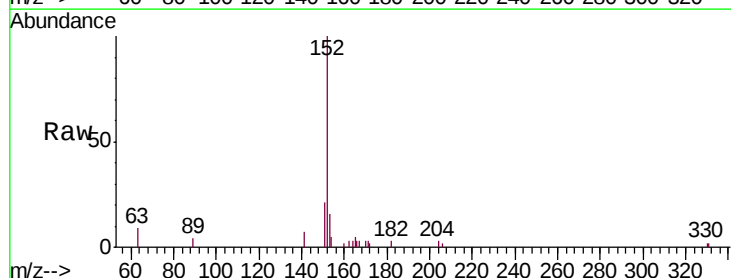
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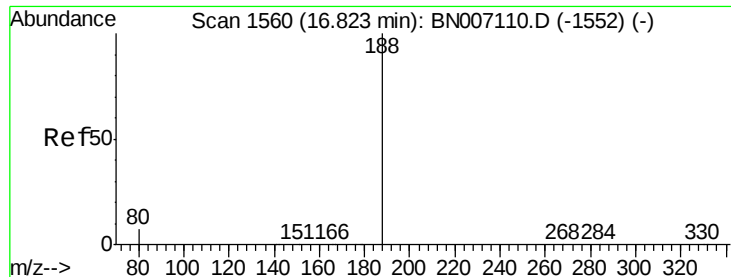
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#15
Acenaphthylene
Concen: 0.089 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007213.D
Acq: 16 Aug 2019 01:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.8	23.6
153	12.1	10.4	15.6





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

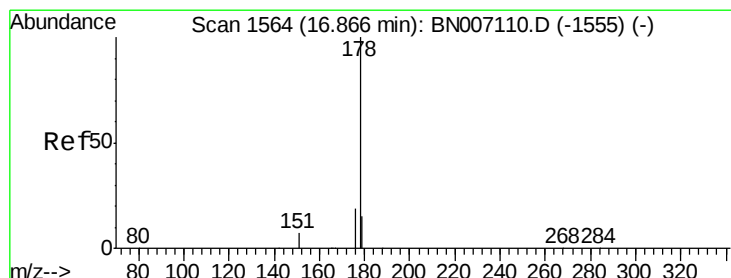
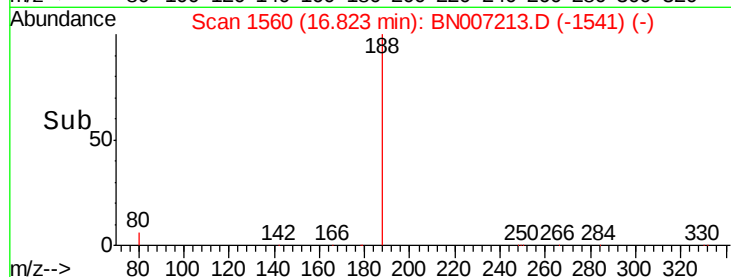
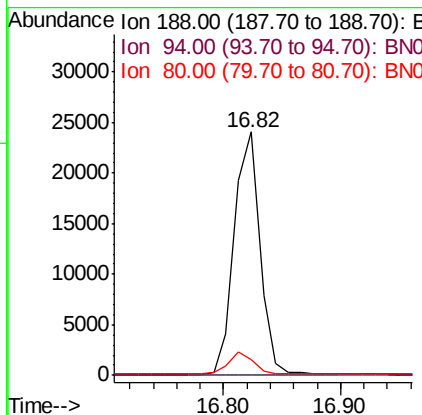
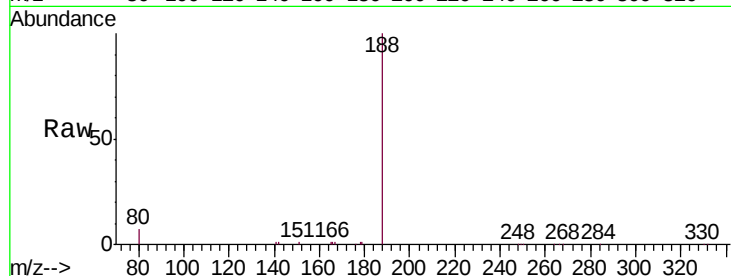
ClientSampleId :

PST-035-B243-080619

Tgt Ion:	188	Resp:	36360
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.6	7.8	11.6#

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#22

Phenanthrene

Concen: 0.096 ng

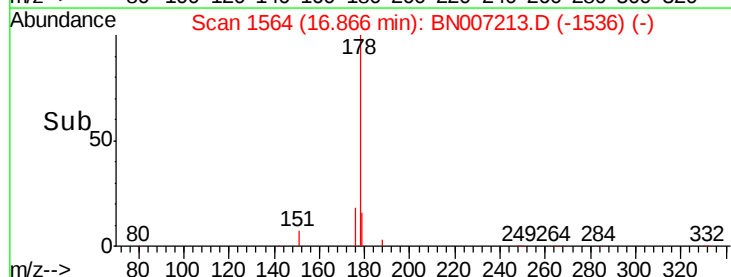
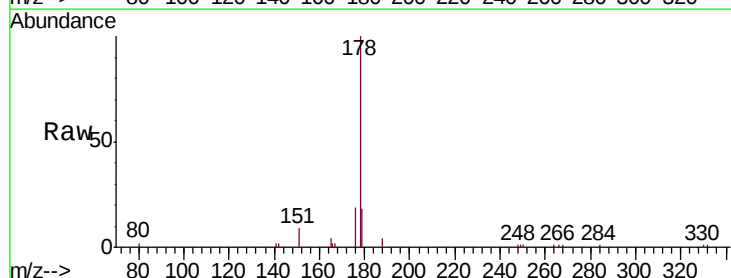
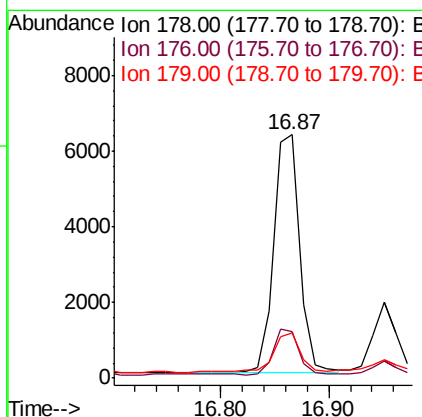
RT: 16.87 min Scan# 1564

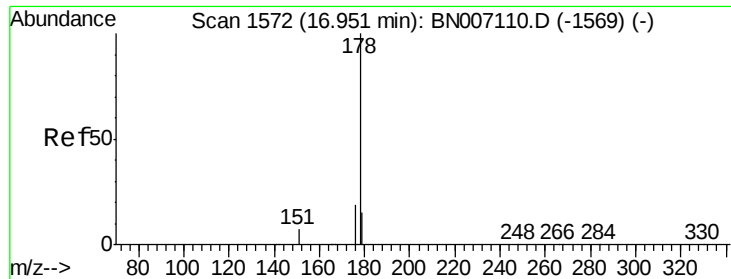
Delta R.T. -0.00 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Tgt Ion:	178	Resp:	10480
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	16.9	12.3	18.5





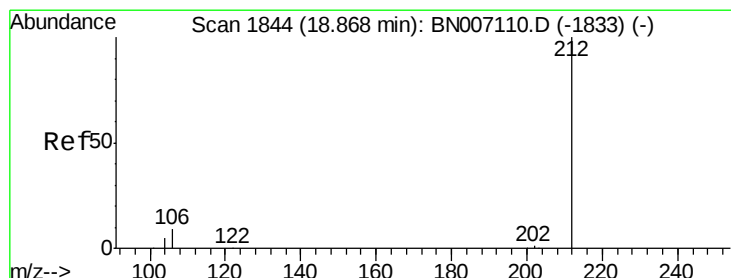
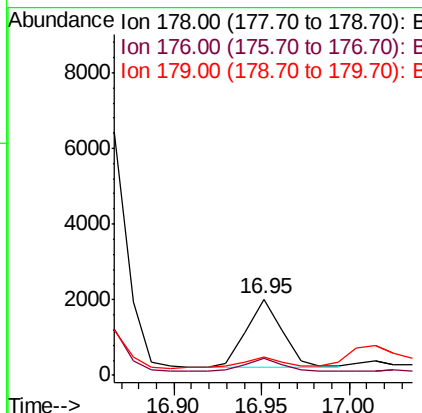
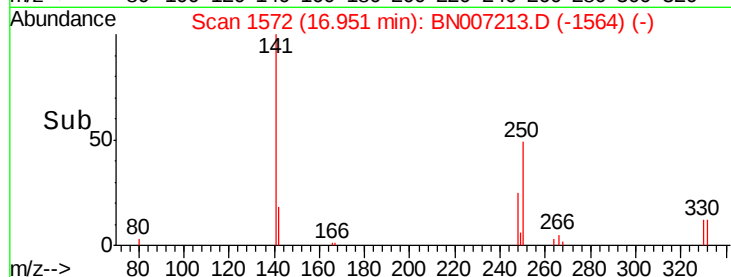
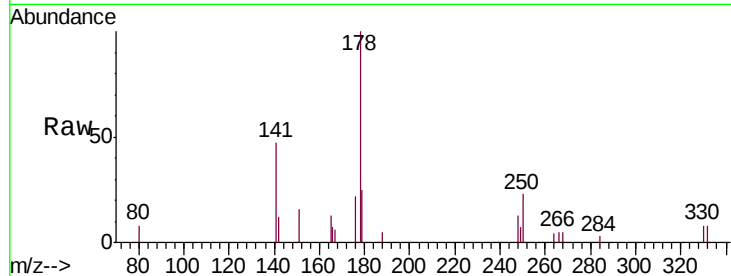
#23
 Anthracene
 Concen: 0.026 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007213.D
 Acq: 16 Aug 2019 01:10

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B243-080619

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.6	21.8
179	21.7	12.5	18.7

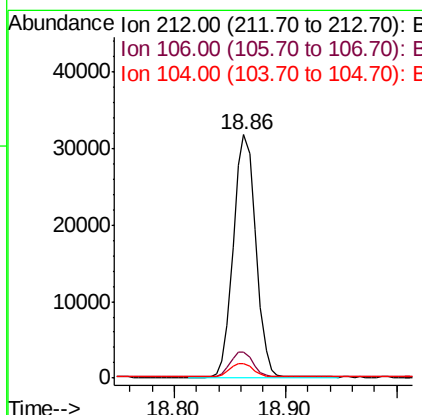
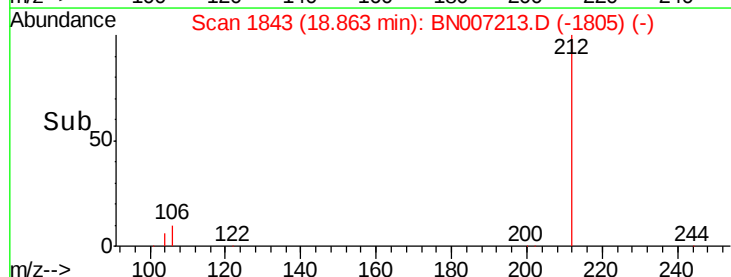
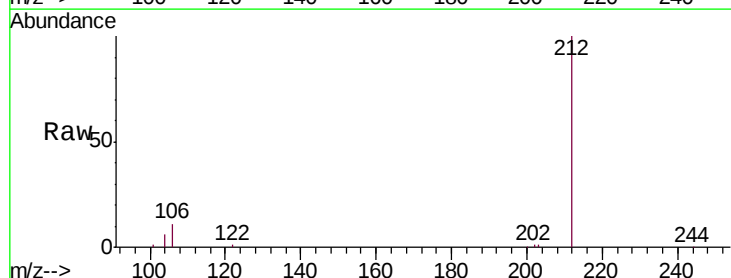
Manual Integrations
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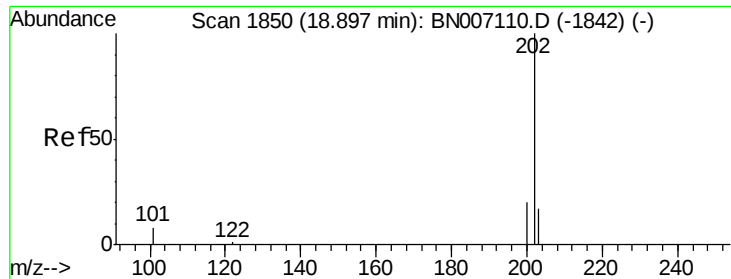
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#24
 Fluoranthene-d10
 Concen: 0.343 ng
 RT: 18.86 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BN007213.D
 Acq: 16 Aug 2019 01:10

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.7	8.2	12.2
104	5.9	4.5	6.7





#25

Fluoranthene

Concen: 0.195 ng

RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

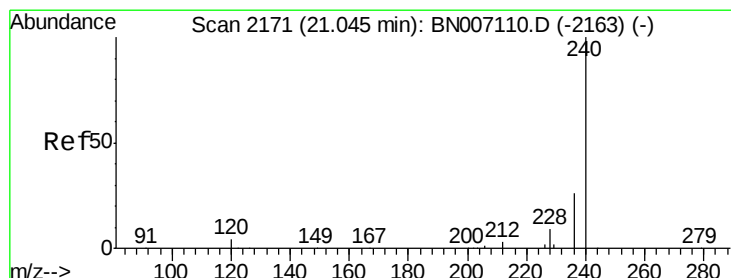
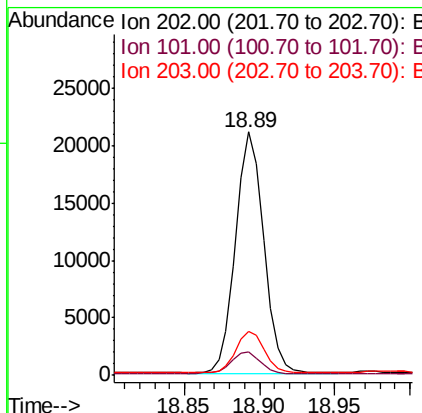
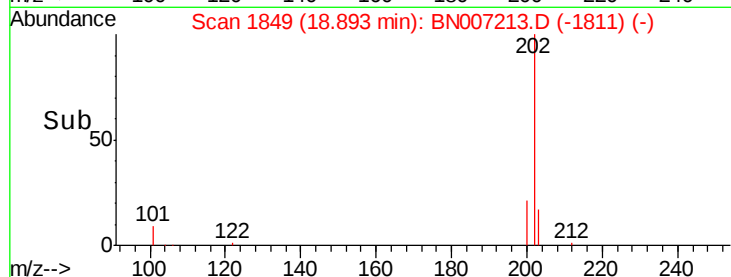
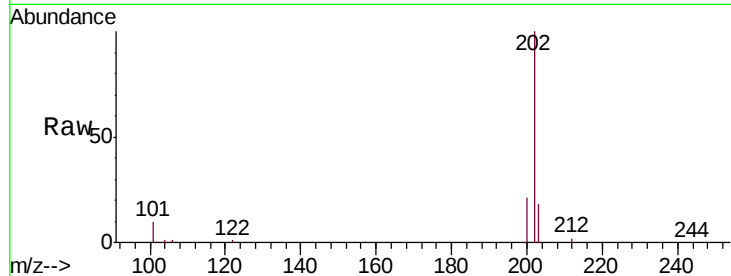
ClientSampleId :

PST-035-B243-080619

Tgt Ion:	202	Resp:	27188
Ion Ratio	Lower	Upper	
202	100		
101	9.3	7.0	10.4
203	17.6	13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

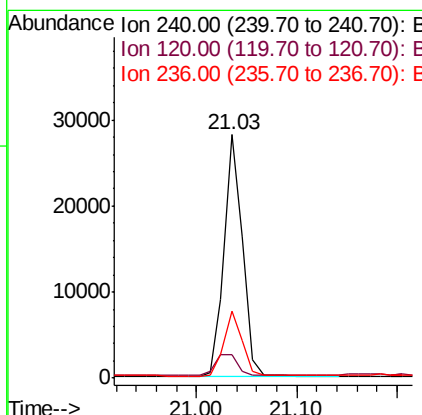
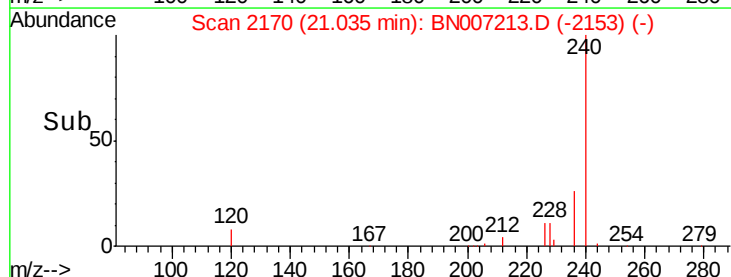
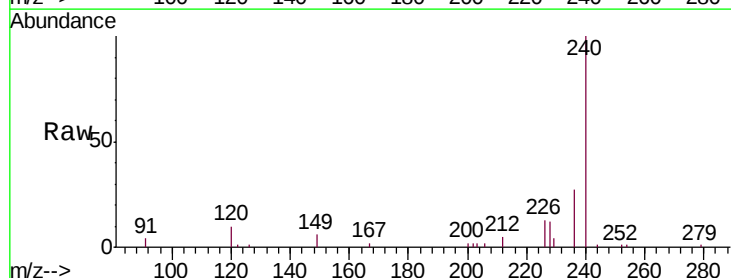
RT: 21.03 min Scan# 2170

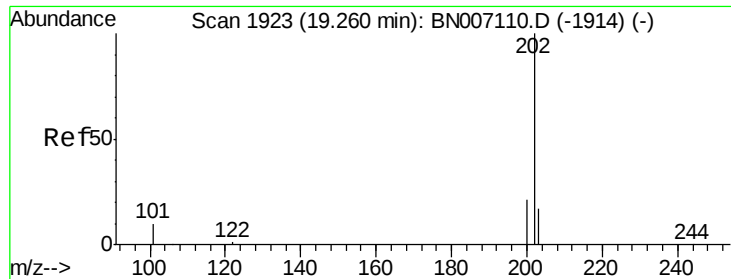
Delta R.T. -0.02 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Tgt Ion:	240	Resp:	35708
Ion Ratio	Lower	Upper	
240	100		
120	9.7	4.0	6.0#
236	27.4	21.3	31.9





#27

Pyrene

Concen: 0.197 ng

RT: 19.26 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

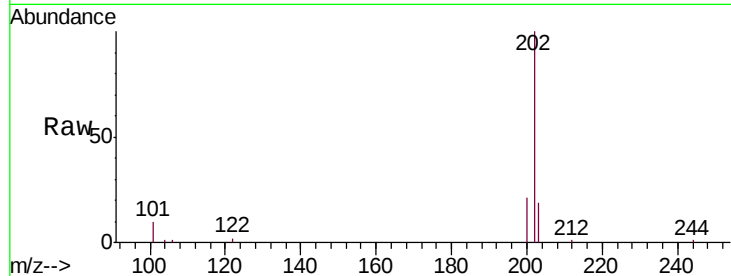
ClientSampleId :

PST-035-B243-080619

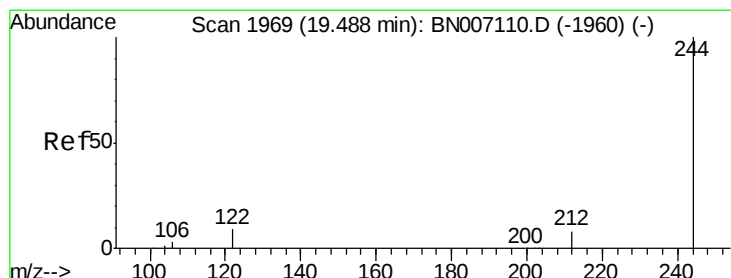
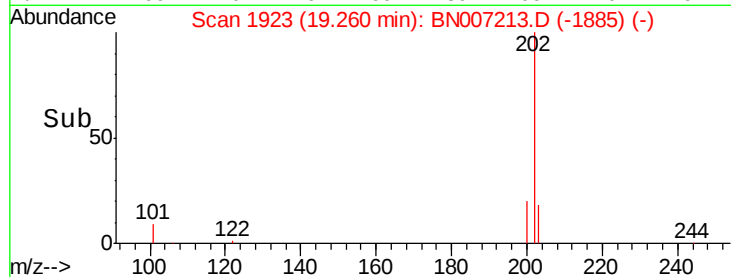
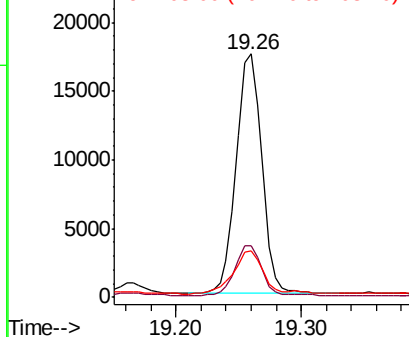
Tgt Ion:	202	Resp:	24624
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.6	24.8
203	21.6	14.0	21.0

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#28

Terphenyl-d14

Concen: 0.361 ng

RT: 19.48 min Scan# 1968

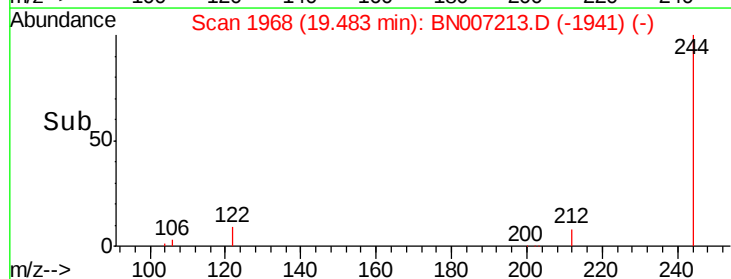
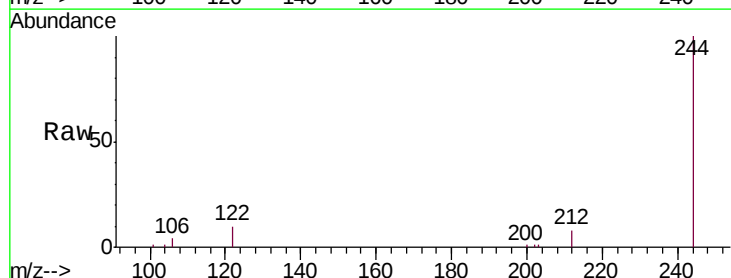
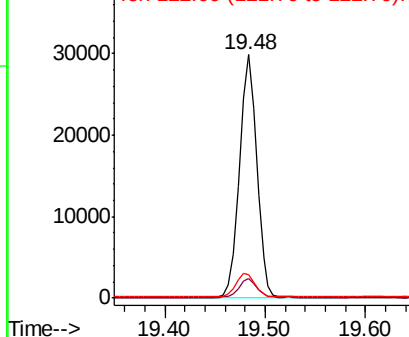
Delta R.T. -0.01 min

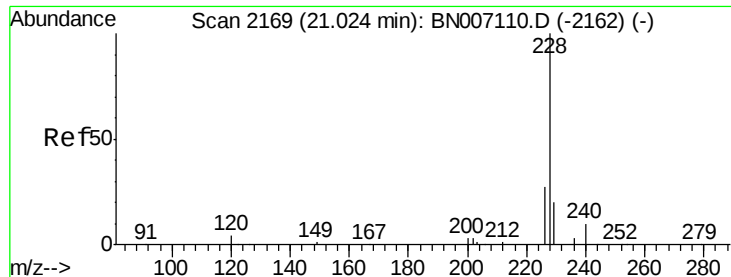
Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Tgt Ion:	244	Resp:	35123
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.2	9.2
122	9.6	7.4	11.2

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#29

Benzo(a)anthracene

Concen: 0.133 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

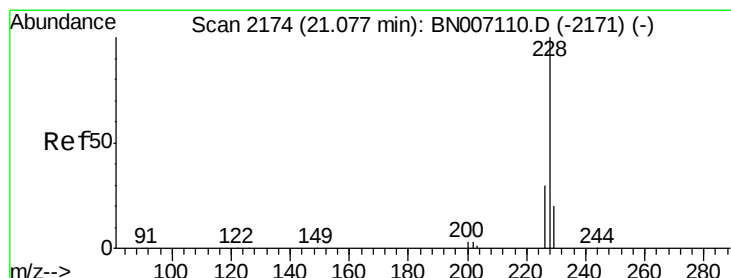
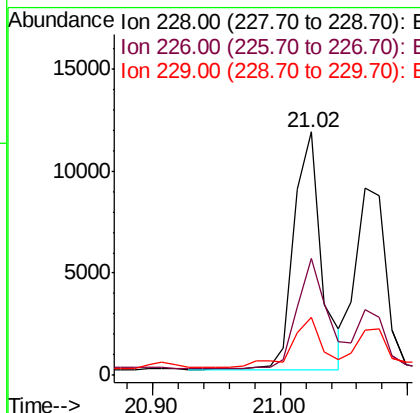
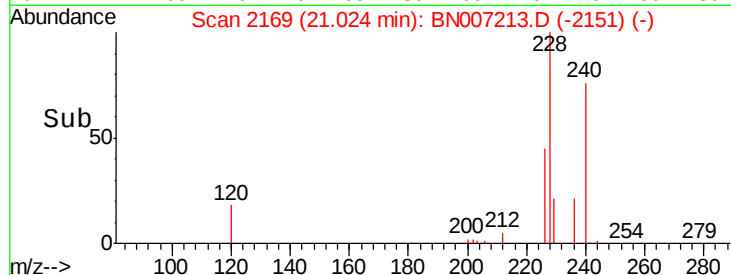
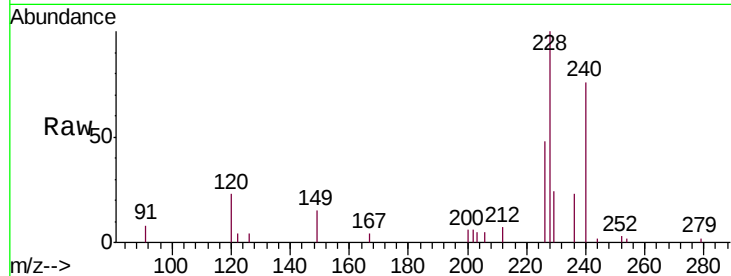
ClientSampleId :

PST-035-B243-080619

Tgt Ion:	228	Resp:	17355
Ion Ratio	Lower	Upper	
228	100		
226	47.9	21.8	32.6#
229	23.7	15.6	23.4#

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#30

Chrysene

Concen: 0.113 ng

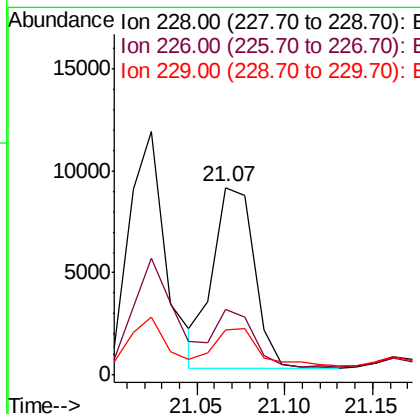
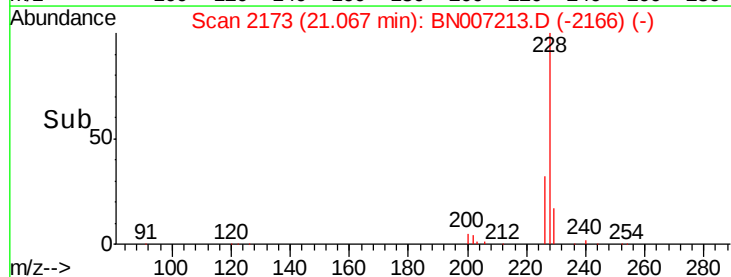
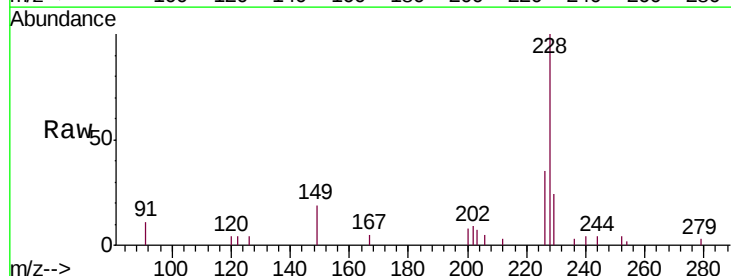
RT: 21.07 min Scan# 2173

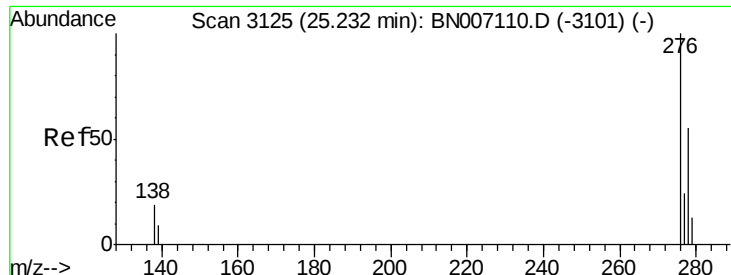
Delta R.T. -0.02 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Tgt Ion:	228	Resp:	14351
Ion Ratio	Lower	Upper	
228	100		
226	35.0	23.8	35.6
229	24.1	15.7	23.5#





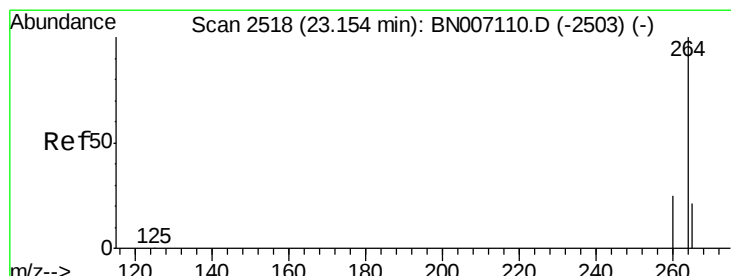
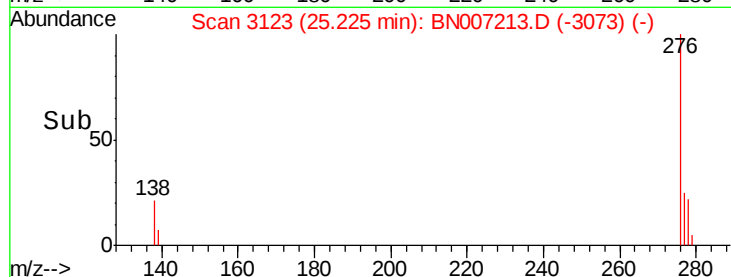
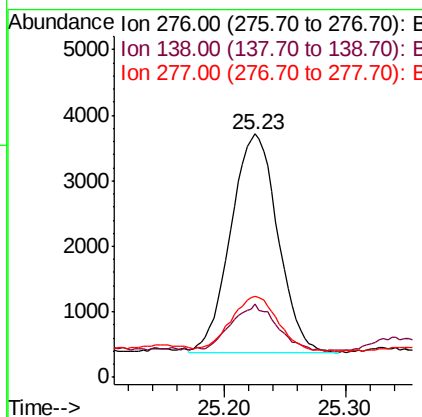
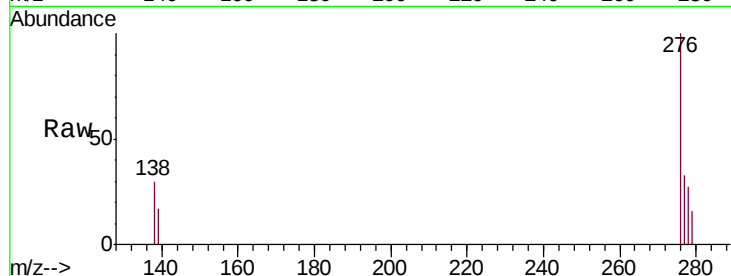
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.064 ng
 RT: 25.23 min Scan# 3123
 Delta R.T. -0.03 min
 Lab File: BN007213.D
 Acq: 16 Aug 2019 01:10

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B243-080619

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	16.0	24.0
277	25.9	19.9	29.9

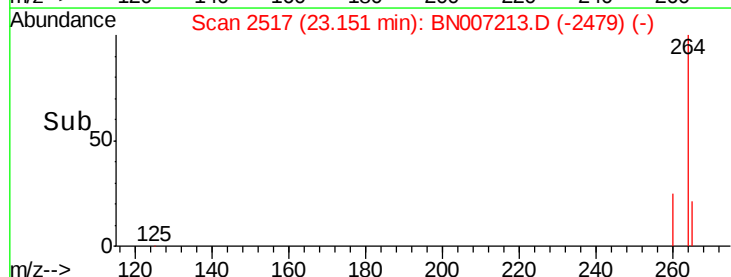
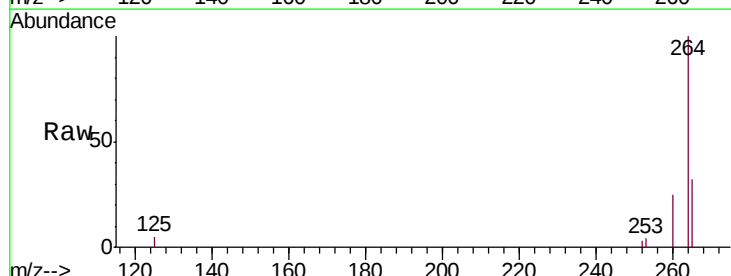
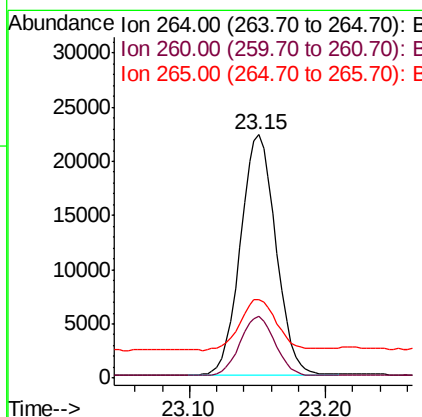
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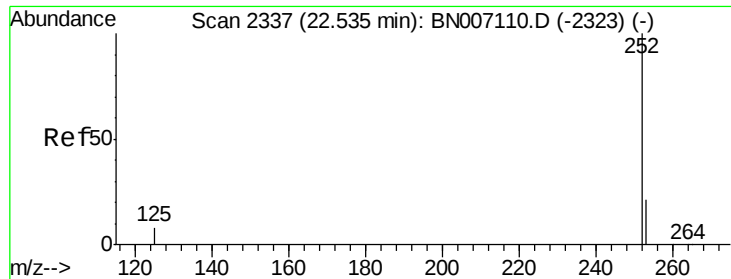
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#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2517
 Delta R.T. -0.02 min
 Lab File: BN007213.D
 Acq: 16 Aug 2019 01:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.8	29.8
265	32.4	26.2	39.4





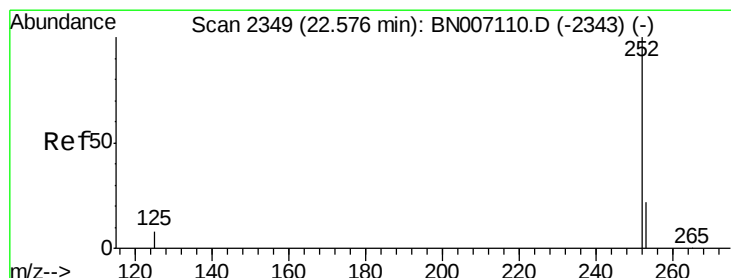
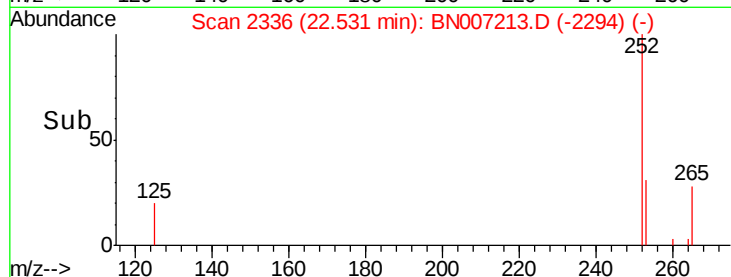
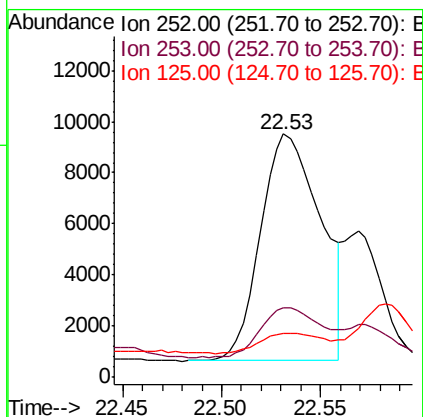
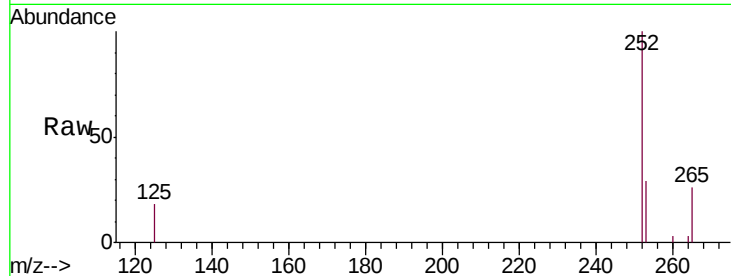
#33
Benzo(b)fluoranthene
Concen: 0.136 ng
RT: 22.53 min Scan# 2336
Delta R.T. -0.02 min
Lab File: BN007213.D
Acq: 16 Aug 2019 01:10

Instrument :
BNA_N
ClientSampleId :
PST-035-B243-080619

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	18.2	27.2#
125	18.2	7.4	11.0#

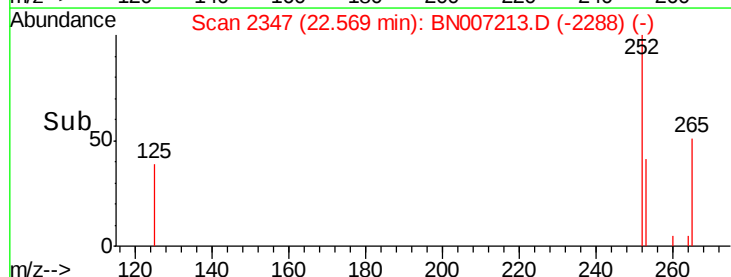
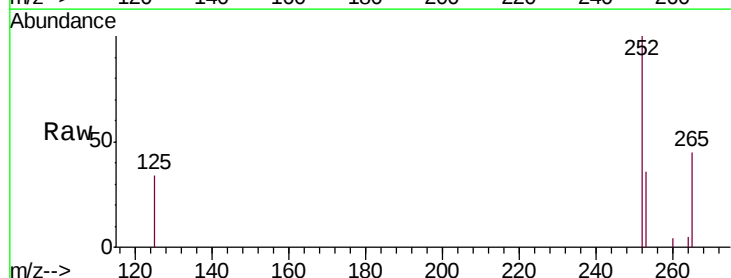
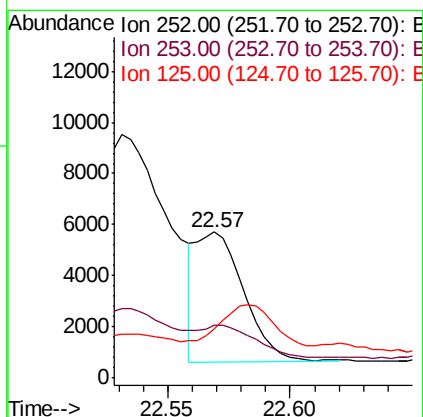
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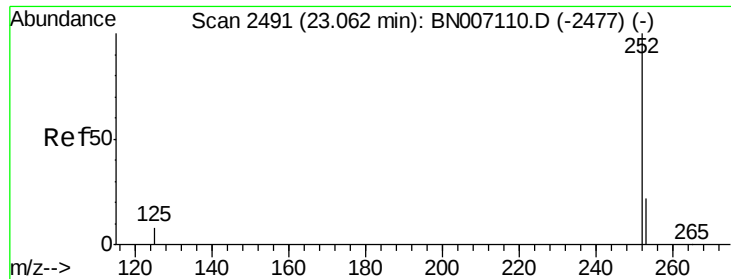
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#34
Benzo(k)fluoranthene
Concen: 0.050 ng m
RT: 22.57 min Scan# 2347
Delta R.T. -0.02 min
Lab File: BN007213.D
Acq: 16 Aug 2019 01:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.0	18.1	27.1#
125	34.0	7.4	11.0#





#35

Benzo(a)pyrene

Concen: 0.109 ng

RT: 23.06 min Scan# 2490

Delta R.T. -0.02 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

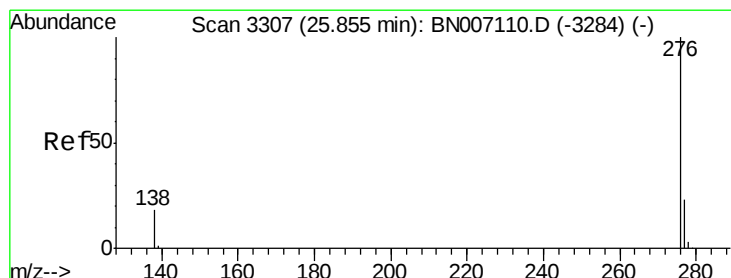
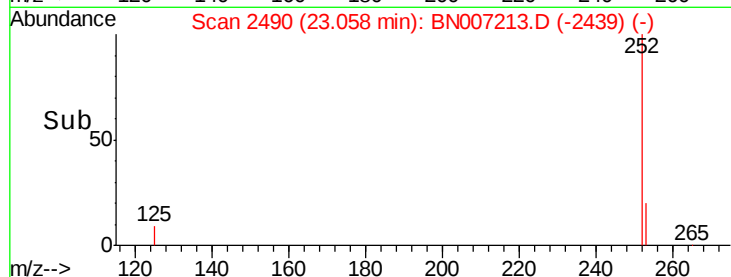
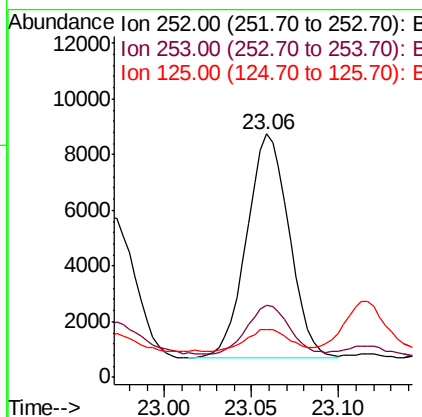
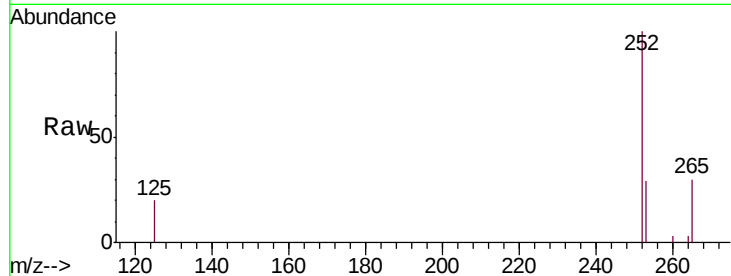
ClientSampleId :

PST-035-B243-080619

Tgt Ion:	252	Resp:	13614
Ion Ratio	Lower	Upper	
252	100		
253	29.4	18.5	27.7#
125	19.7	8.2	12.4#

Manual Integrations
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#37

Benzo(g,h,i)perylene

Concen: 0.066 ng

RT: 25.85 min Scan# 3306

Delta R.T. -0.03 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Tgt Ion:	276	Resp:	8400
Ion Ratio	Lower	Upper	
276	100		
277	32.8	19.8	29.8#
138	28.4	14.6	22.0#

