

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004916.D
 Acq On : 23 Mar 2019 09:43
 Operator : JU/SJ
 Sample : K2013-20
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW036-031819

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:57:14 AM

Quant Time: Mar 25 06:49:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 20 16:06:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	4331	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	18381	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	9962	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	23036	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	20933	0.40	ng	-0.01
34) Perylene-d12	23.53	264	19082	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	4914	0.42	ng	0.00
5) Phenol-d6	6.86	99	6300	0.43	ng	-0.02
8) Nitrobenzene-d5	8.86	82	4842	0.40	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	10452	0.33	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	2343	0.34	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	15195	0.37	ng	-0.01
25) Fluoranthene-d10	19.12	212	24426	0.32	ng	-0.01
29) Terphenyl-d14	19.72	244	17970	0.42	ng	-0.01

Target Compounds				Qvalue		
16) Acenaphthylene	14.05	152	1049	0.020	ng	96
23) Phenanthrene	17.12	178	2862	0.038	ng	96
26) Fluoranthene	19.15	202	4279	0.045	ng	# 94
28) Pyrene	19.52	202	4650	0.073	ng	# 96
30) Benzo(a)anthracene	21.27	228	2030	0.030	ng	# 71
31) Chrysene	21.32	228	2145	0.030	ng	# 77
32) Bis(2-ethylhexyl)phthalate	21.18	149	5495	0.200	ng	98
35) Benzo(b)fluoranthene	22.86	252	2485m	0.036	ng	
37) Benzo(a)pyrene	23.43	252	1631	0.026	ng	# 1
39) Benzo(a,h,i)perylene	26.50	276	1521	0.020	ng	# 42

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

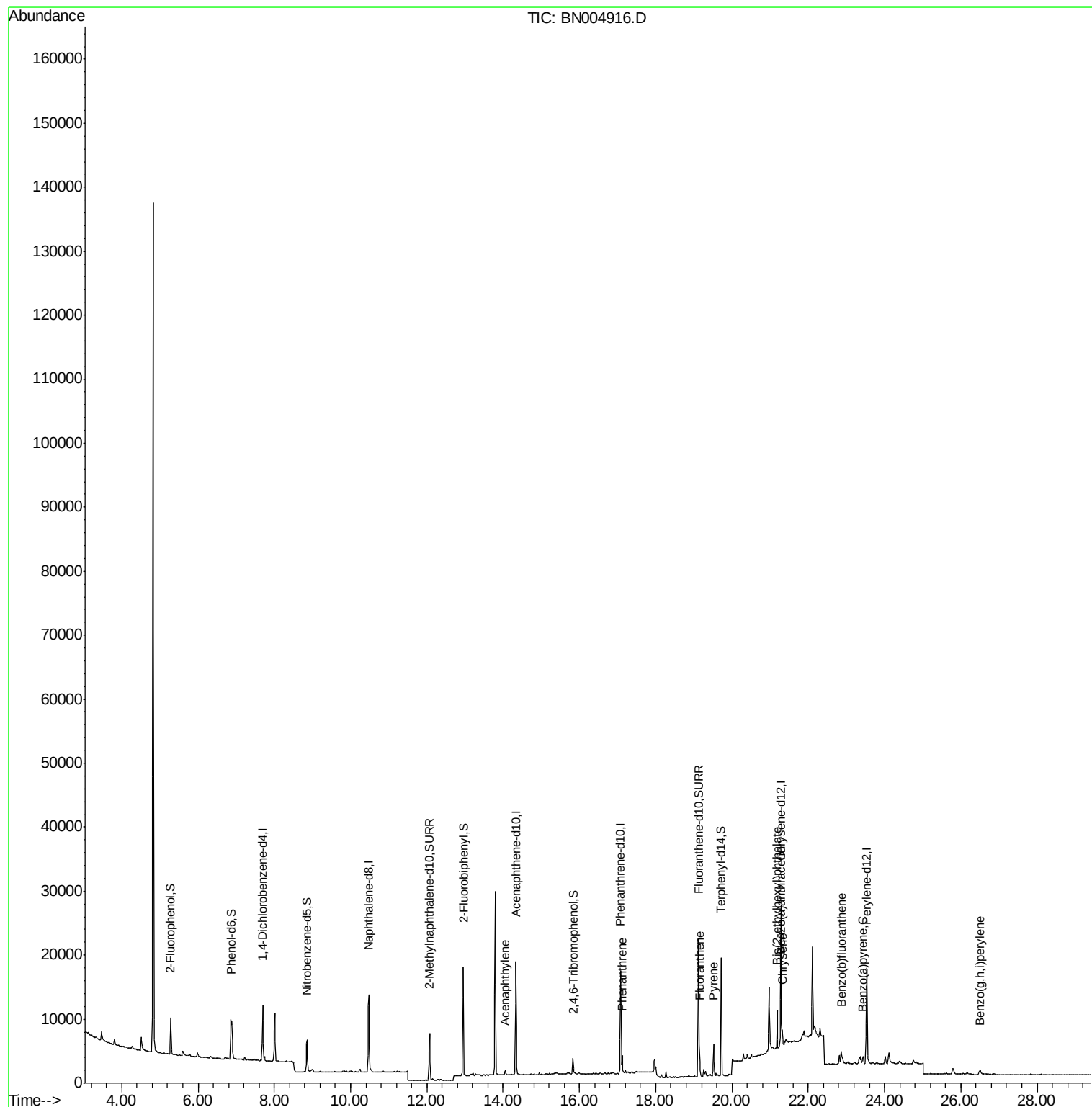
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
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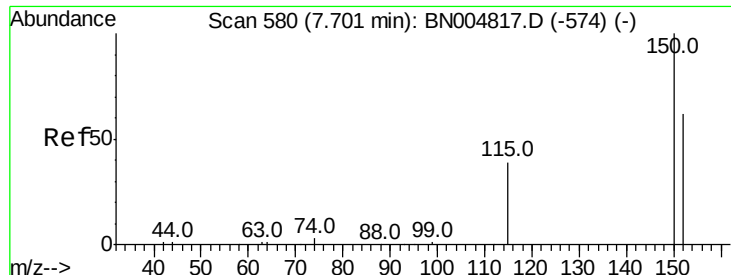
Instrument :
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QLast Update : Wed Mar 20 16:06:20 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 579

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

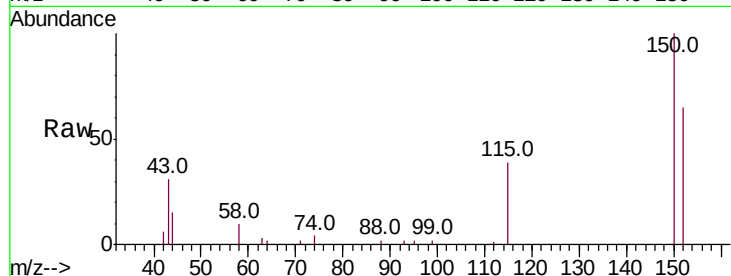
ClientSampleId :

PST-026-SW036-031819

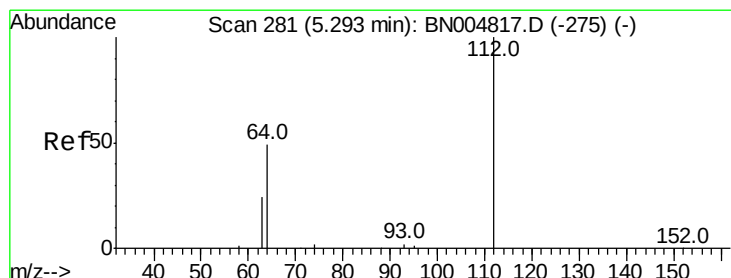
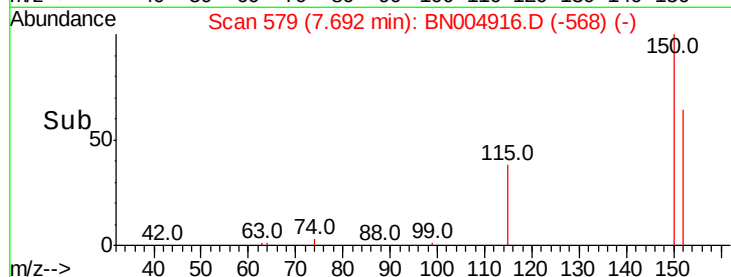
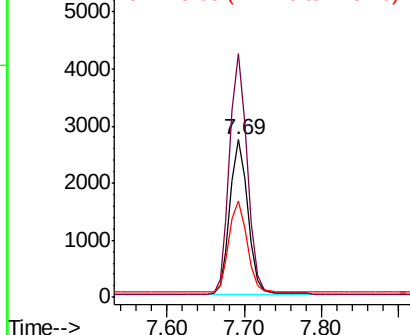
Tot Ion:	152	Resp:	4331
Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.2	189.4
115	61.0	52.6	79.0

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



#4

2-Fluorophenol

Concen: 0.417 ng

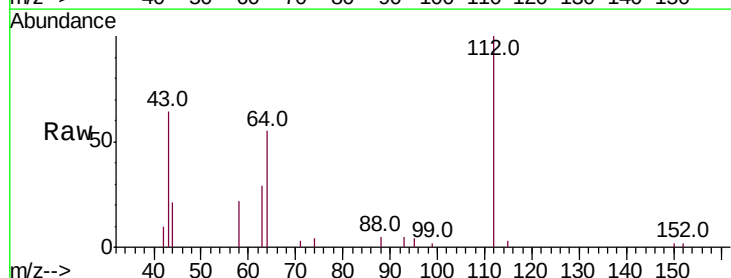
RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

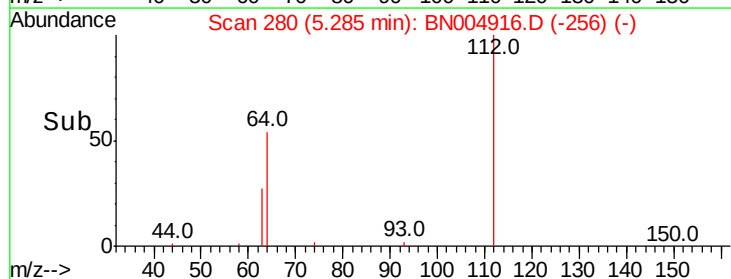
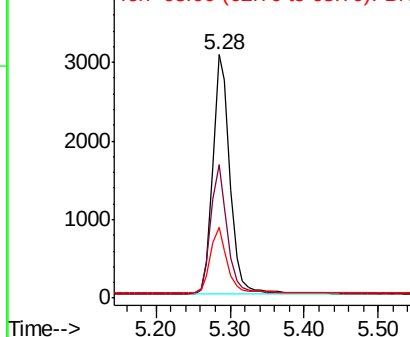
Lab File: BN004916.D

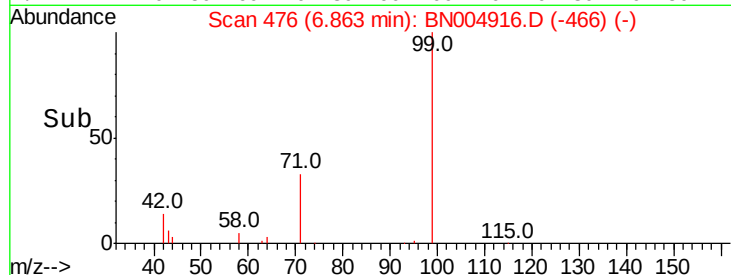
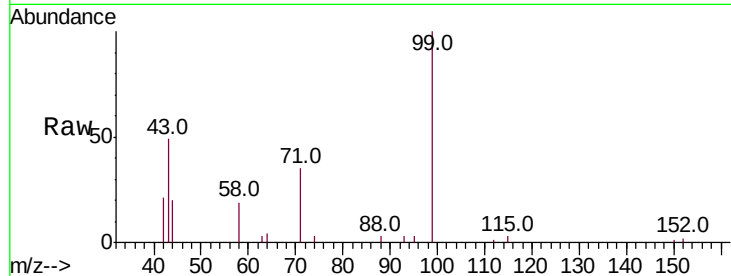
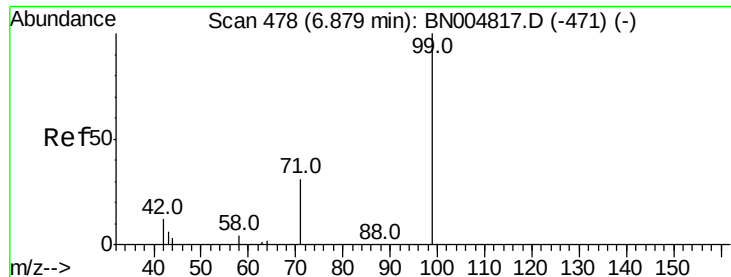
Acq: 23 Mar 2019 09:43

Tgt Ion:	112	Resp:	4914
Ion	Ratio	Lower	Upper
112	100		
64	51.8	40.0	60.0
63	26.2	20.2	30.2



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





#5

Phenol-d6

Concen: 0.430 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Tot Ion:	99	Resp:	6300
Ion	Ratio	Lower	Upper
99	100		
42	18.9	12.7	19.1
71	31.9	26.6	40.0

Instrument :

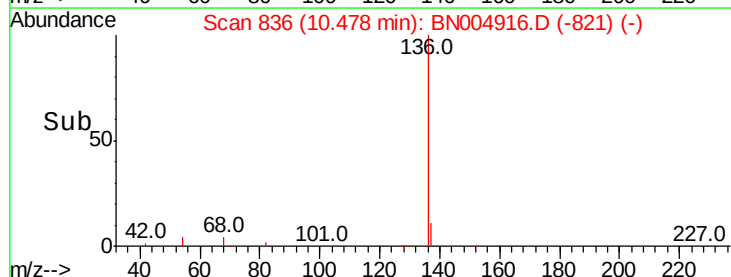
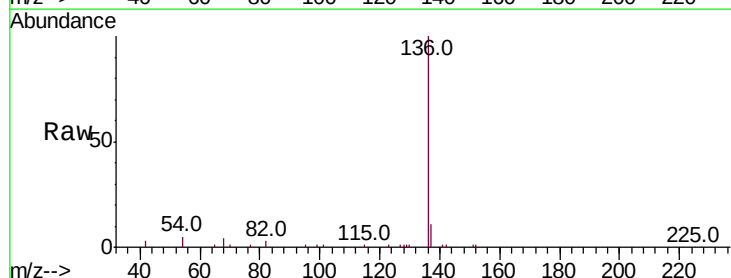
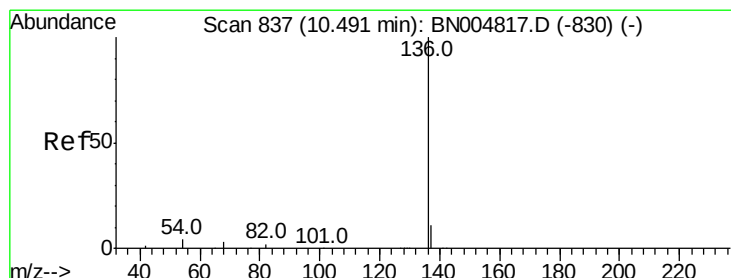
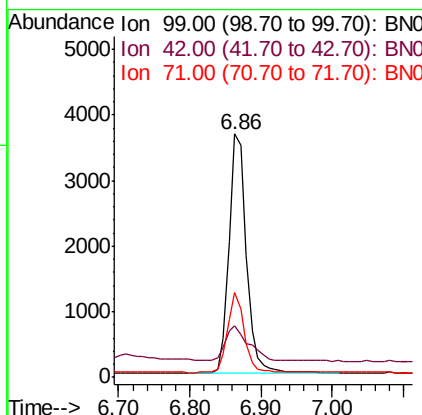
BNA_N

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

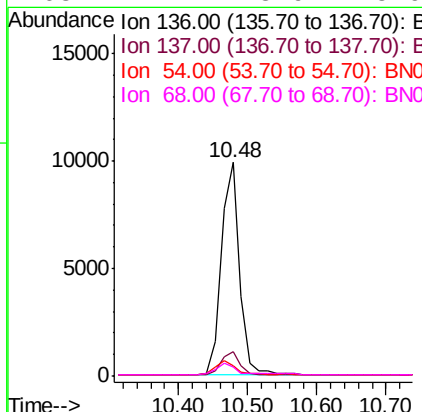
RT: 10.48 min Scan# 836

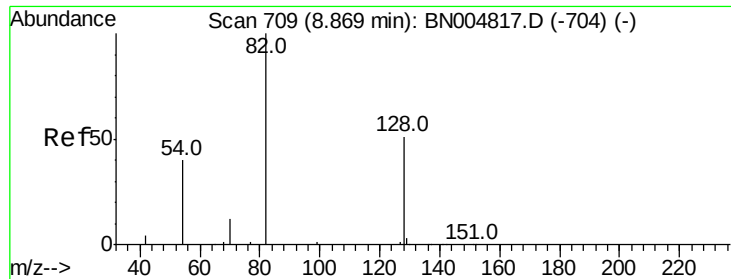
Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Tgt Ion:	136	Resp:	18381
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.6	14.4
54	4.9	4.2	6.2
68	4.4	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.398 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

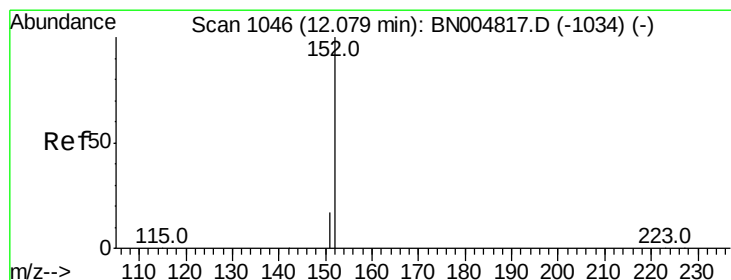
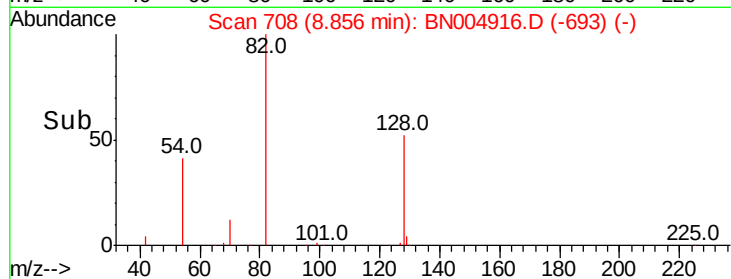
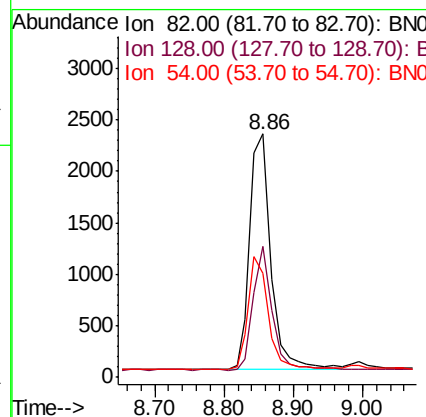
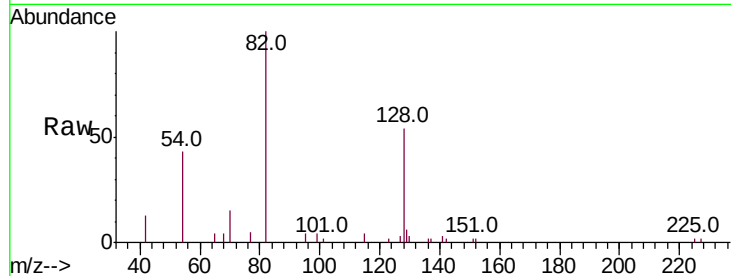
ClientSampleId :

PST-026-SW036-031819

Tot Ion:	82	Resp:	4842
Ion Ratio	Lower	Upper	
82	100		
128	53.8	43.0	64.6
54	43.0	35.3	52.9

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#11

2-Methylnaphthalene-d10

Concen: 0.326 ng

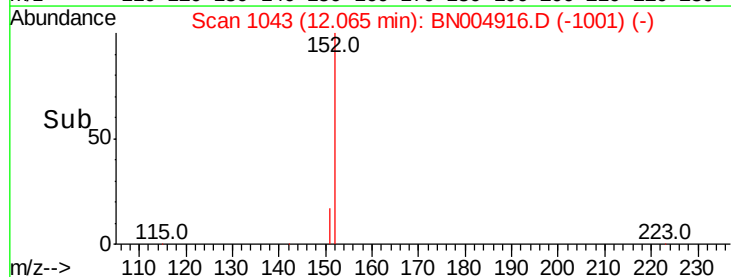
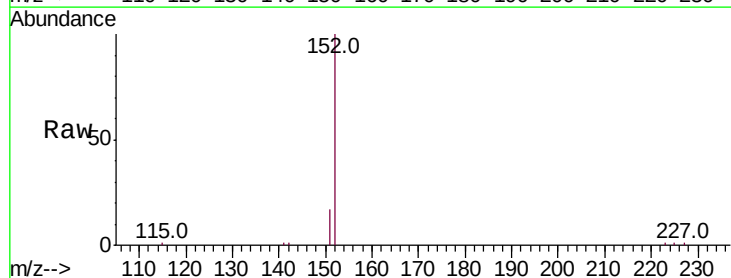
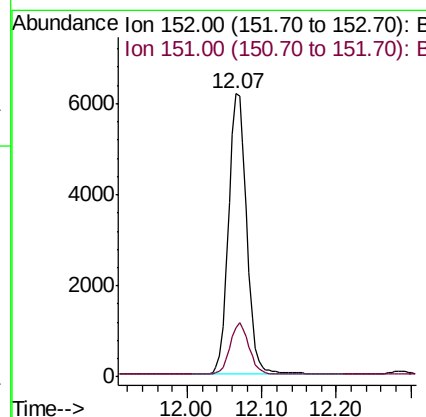
RT: 12.07 min Scan# 1043

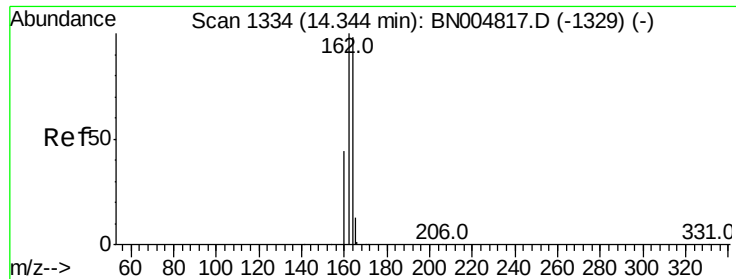
Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Tgt Ion:	152	Resp:	10452
Ion Ratio	Lower	Upper	
152	100		
151	19.2	15.5	23.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

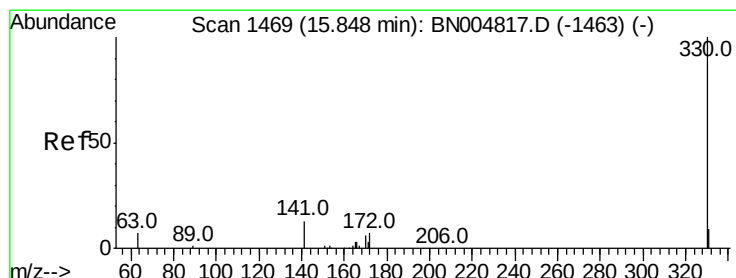
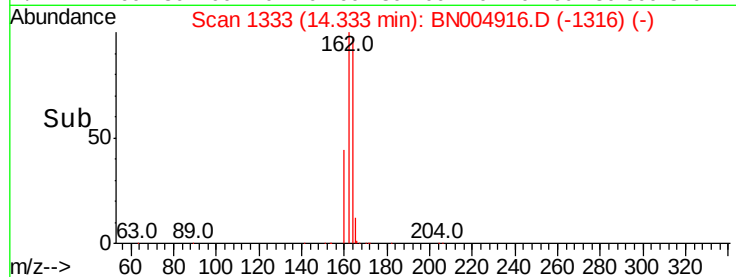
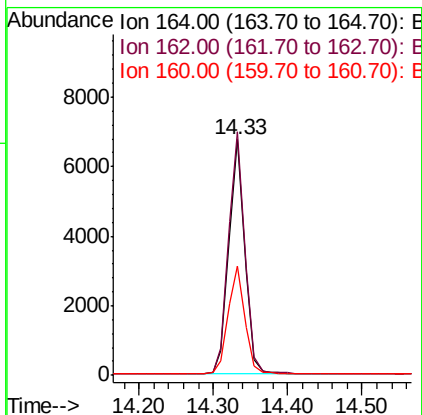
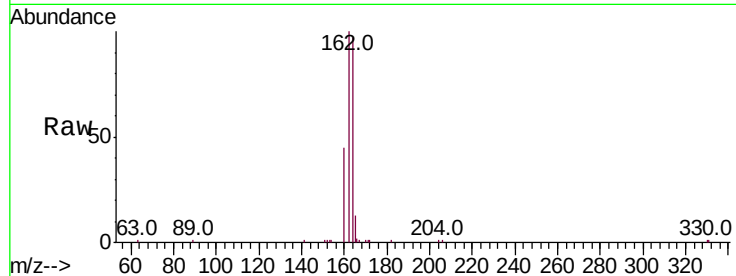
ClientSampleId :

PST-026-SW036-031819

Tot Ion:	164	Resp:	9962
Ion Ratio	Lower	Upper	
164	100		
162	103.4	81.9	122.9
160	46.3	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.341 ng

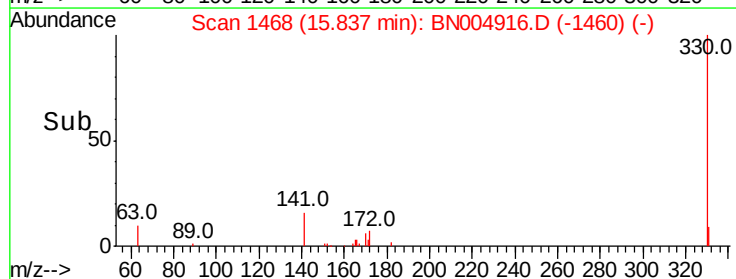
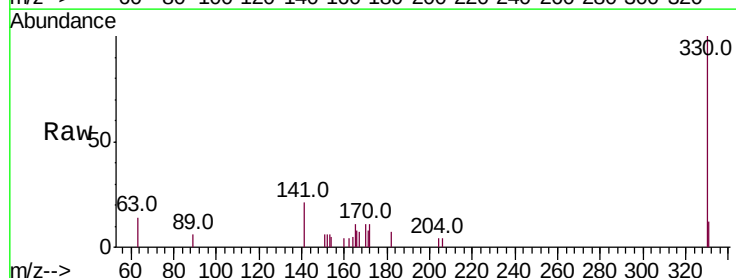
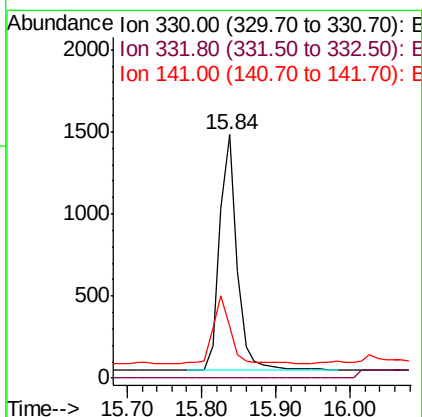
RT: 15.84 min Scan# 1468

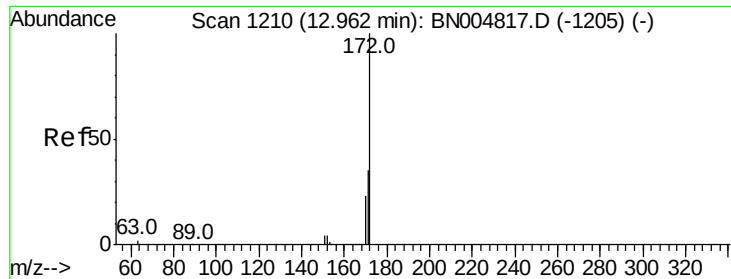
Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Tgt Ion:	330	Resp:	2343
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	30.4	20.9	31.3





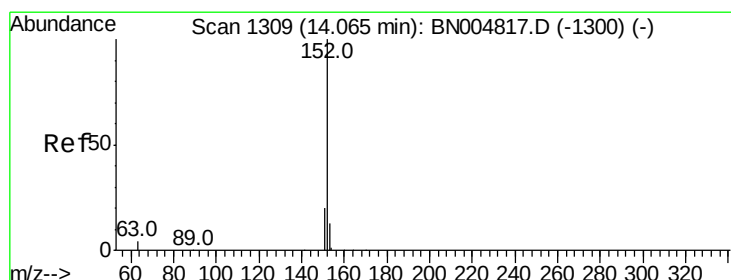
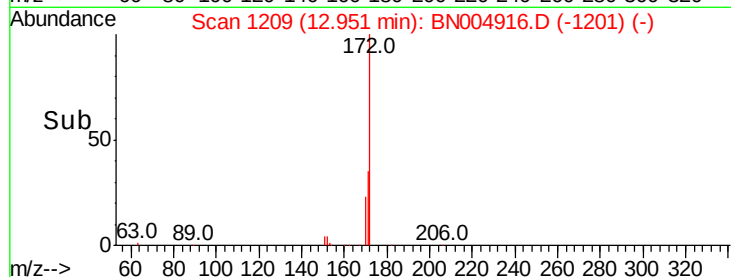
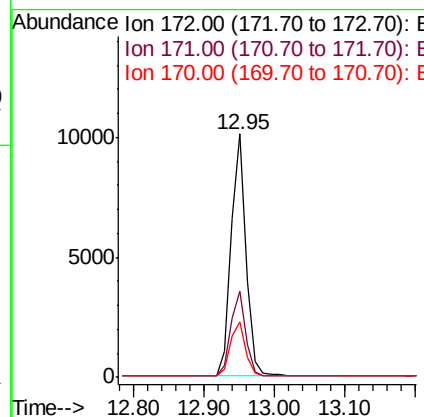
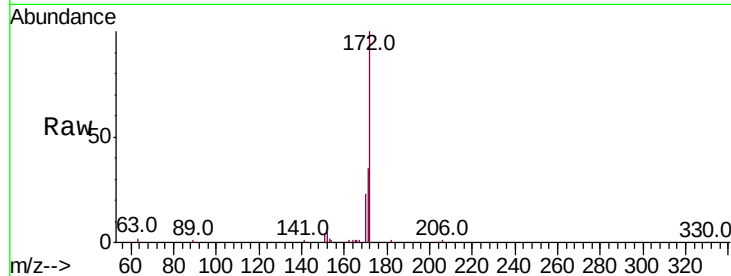
#15
2-Fluorobiphenyl
Concen: 0.369 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004916.D
Acq: 23 Mar 2019 09:43

Instrument :
BNA_N
ClientSampleId :
PST-026-SW036-031819

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	22.9	18.7	28.1

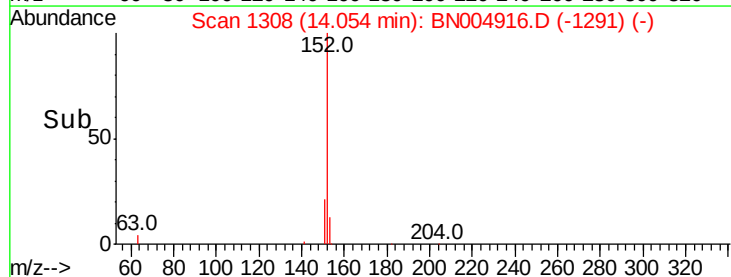
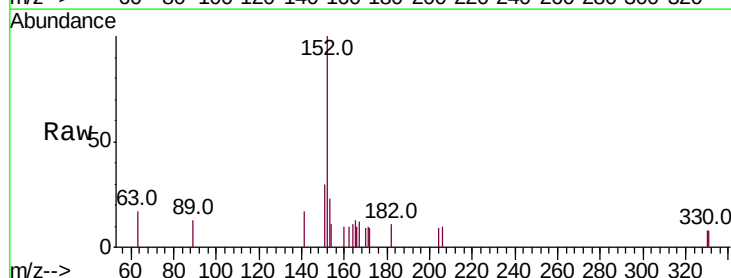
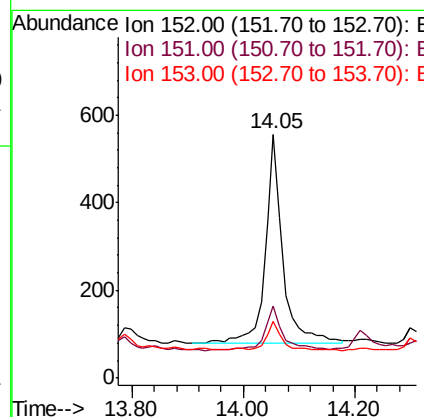
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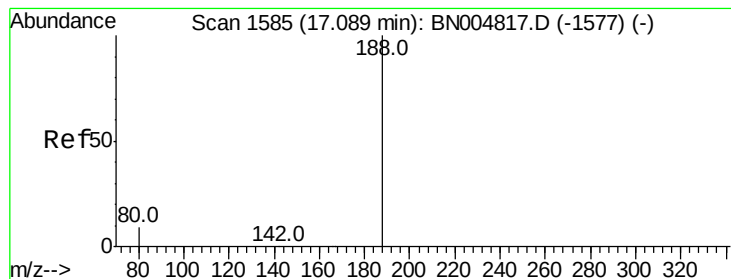
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#16
Acenaphthylene
Concen: 0.020 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004916.D
Acq: 23 Mar 2019 09:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.0	16.1	24.1
153	13.2	10.5	15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

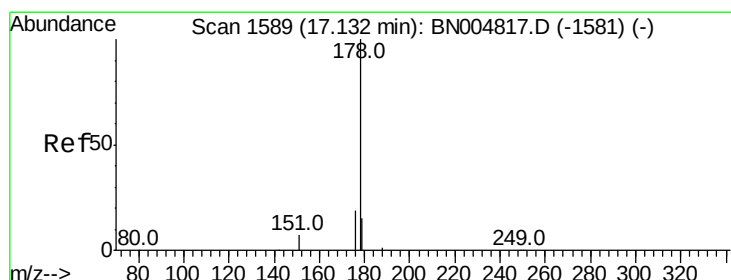
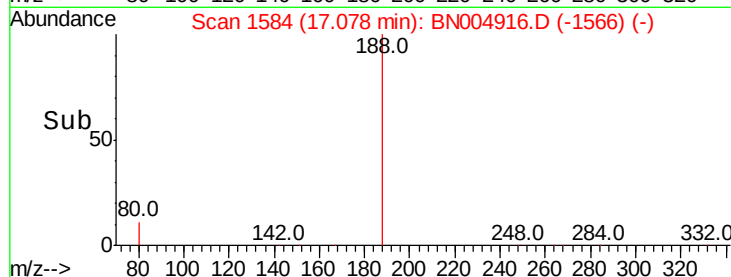
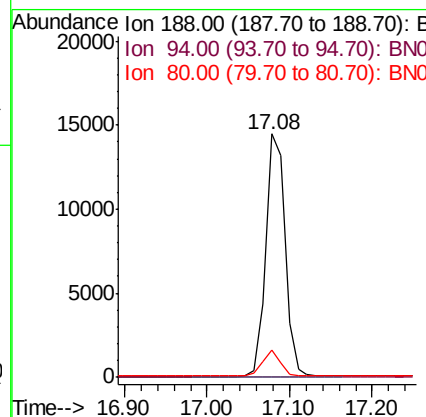
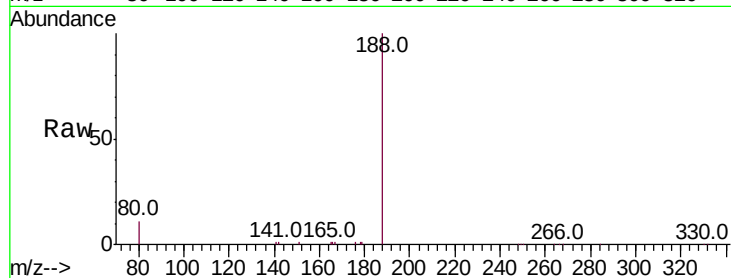
ClientSampleId :

PST-026-SW036-031819

Tot Ion:	188	Resp:	23036
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.4	7.4	11.2#

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#23

Phenanthrene

Concen: 0.038 ng

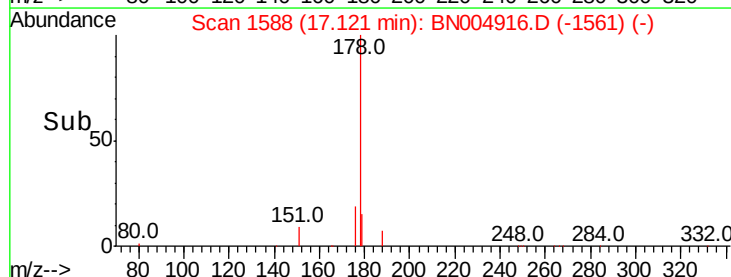
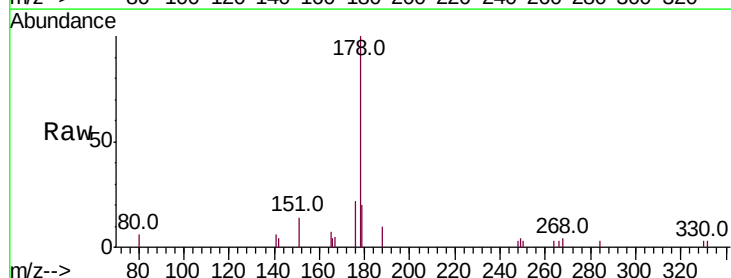
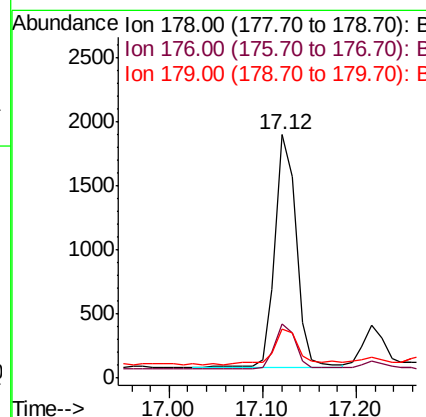
RT: 17.12 min Scan# 1588

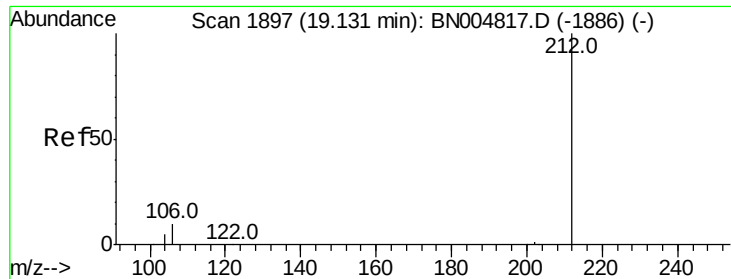
Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Tgt Ion:	178	Resp:	2862
Ion Ratio	Lower	Upper	
178	100		
176	19.3	14.9	22.3
179	17.9	12.1	18.1





#25

Fluoranthene-d10

Concen: 0.317 ng

RT: 19.12 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

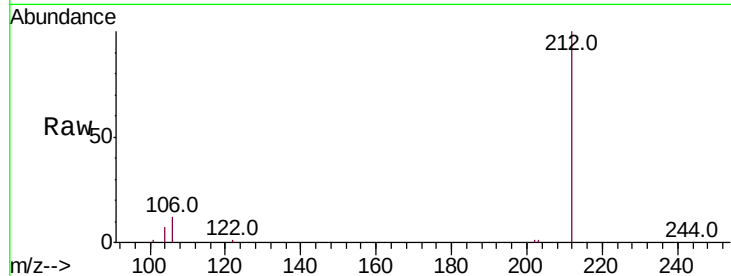
ClientSampleId :

PST-026-SW036-031819

Tot Ion	Ratio	Lower	Upper
212	100		
106	11.8	8.6	13.0
104	6.6	4.7	7.1

Manual Integrations
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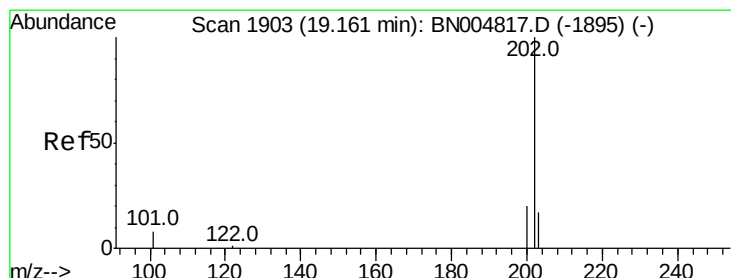
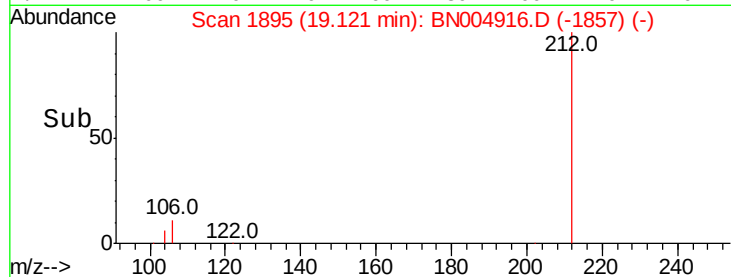
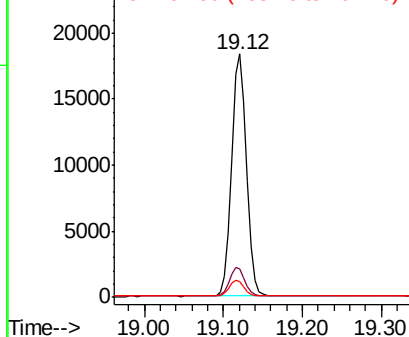
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Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.045 ng

RT: 19.15 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BN004916.D

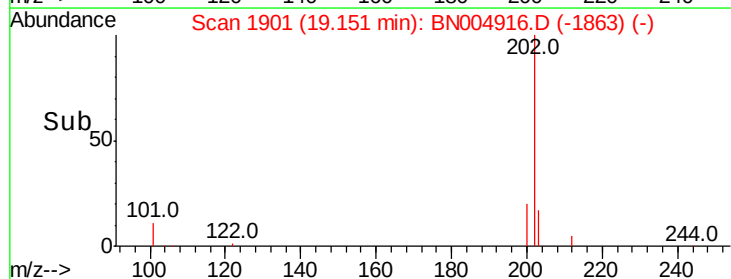
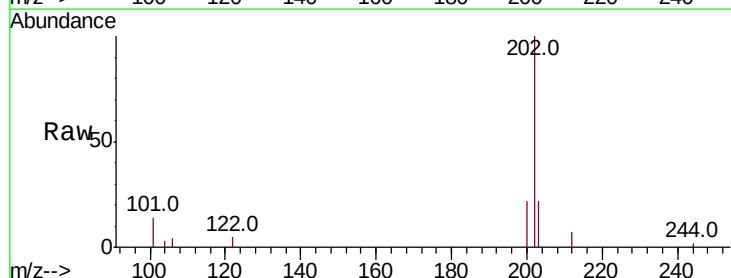
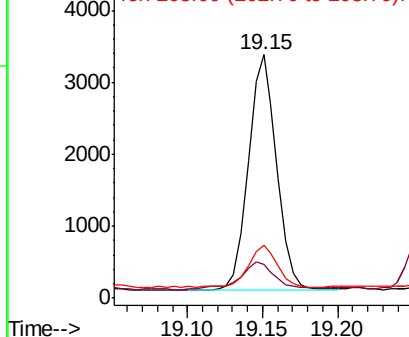
Acq: 23 Mar 2019 09:43

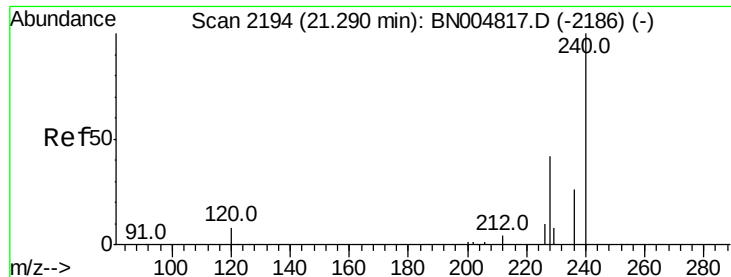
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.8	7.5	11.3#
203	18.0	13.8	20.6

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





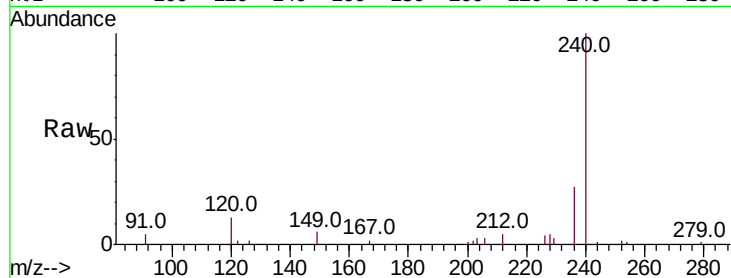
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004916.D
Acq: 23 Mar 2019 09:43

Instrument :
BNA_N
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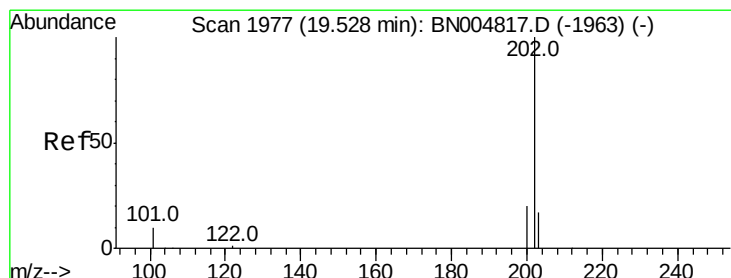
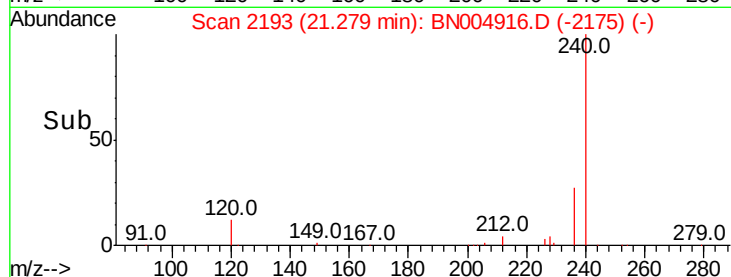
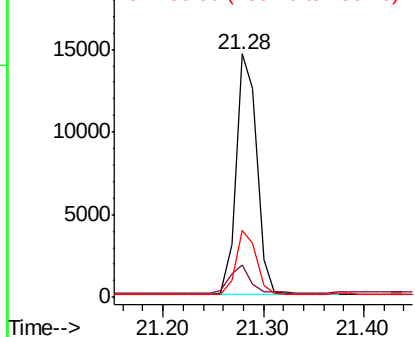
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.3	7.2	10.8#
236	27.4	20.9	31.3

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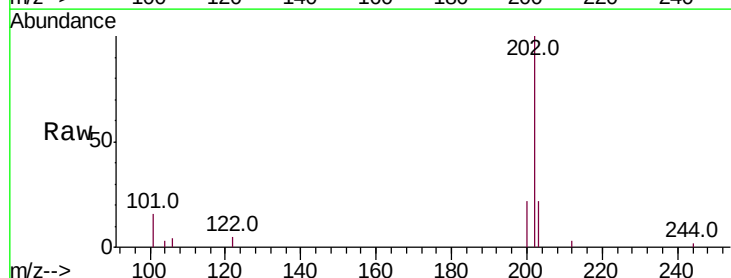


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

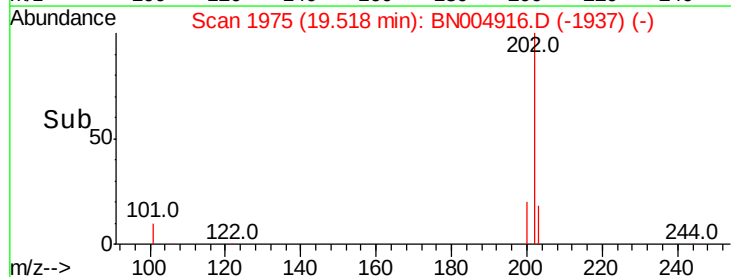
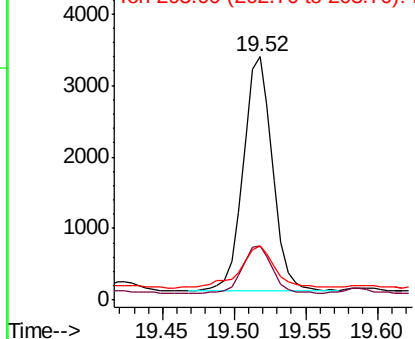


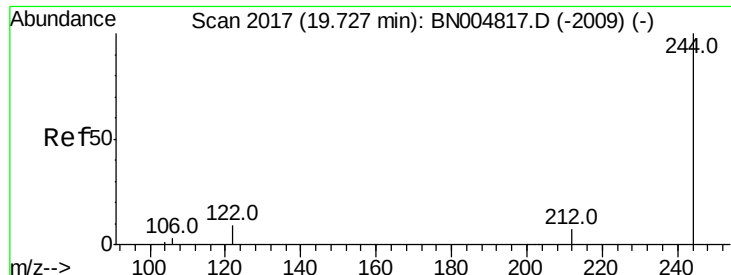
#28
Pyrene
Concen: 0.073 ng
RT: 19.52 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BN004916.D
Acq: 23 Mar 2019 09:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	21.1	14.0	21.0#



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





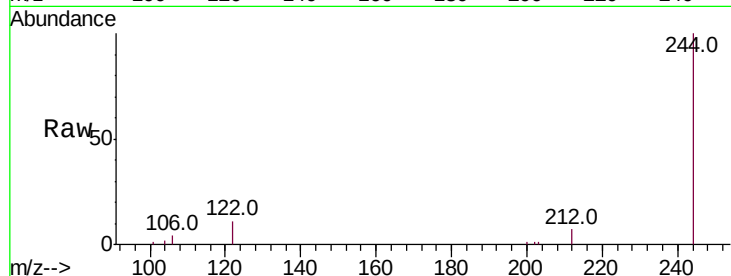
#29
 Terphenyl-d14
 Concen: 0.420 ng
 RT: 19.72 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BN004916.D
 Acq: 23 Mar 2019 09:43

Instrument :
 BNA_N
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	11.3	7.9	11.9

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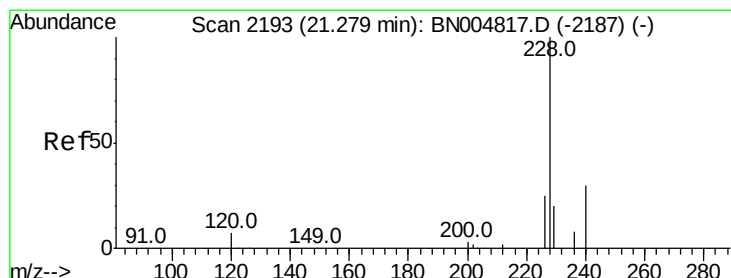
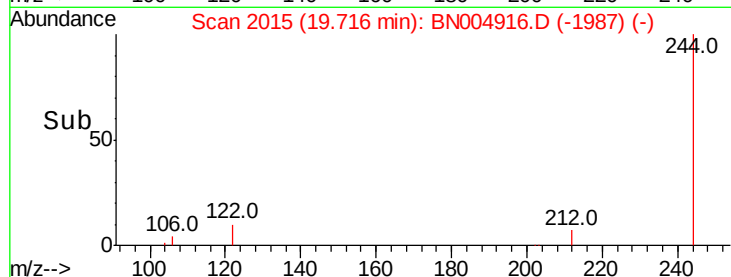
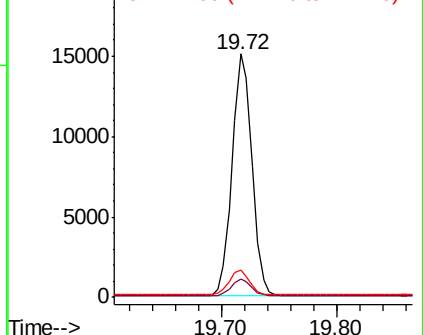


Abundance

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



#30
 Benzo(a)anthracene
 Concen: 0.030 ng
 RT: 21.27 min Scan# 2192
 Delta R.T. -0.01 min
 Lab File: BN004916.D
 Acq: 23 Mar 2019 09:43

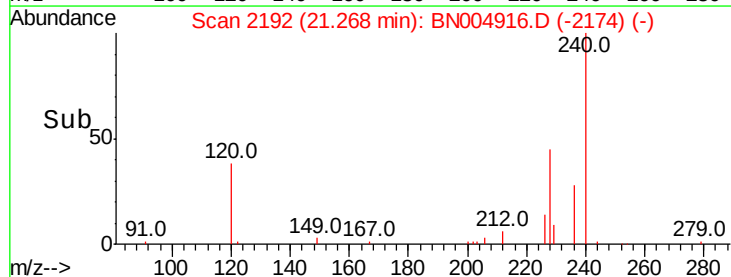
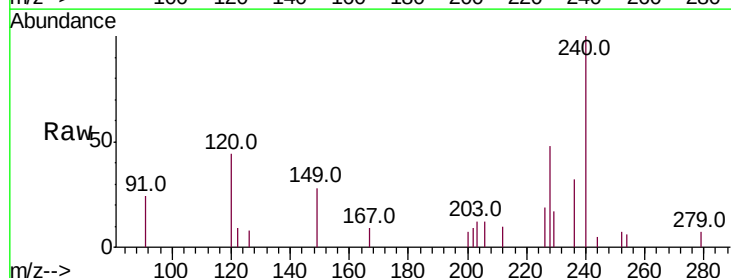
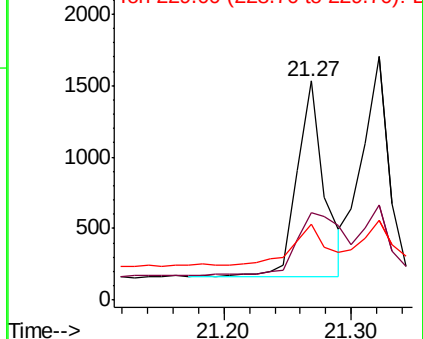
Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.8	20.6	31.0#
229	34.6	16.2	24.4#

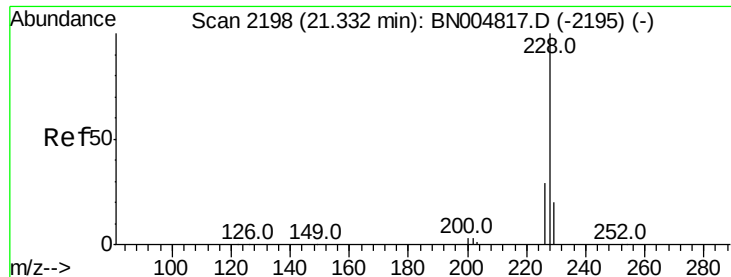
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.030 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

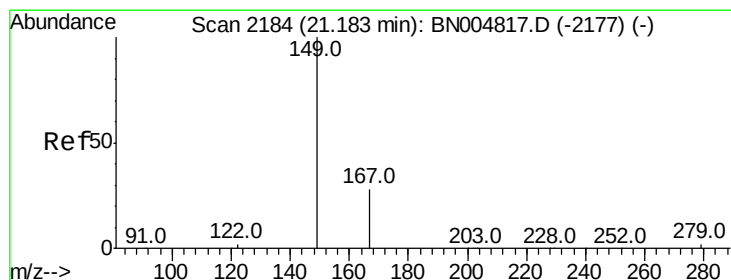
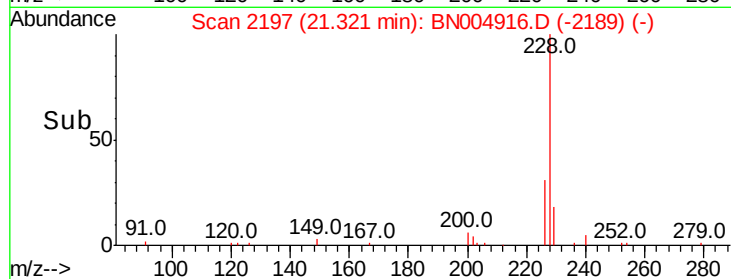
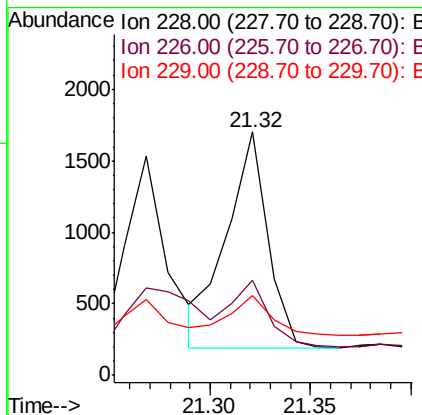
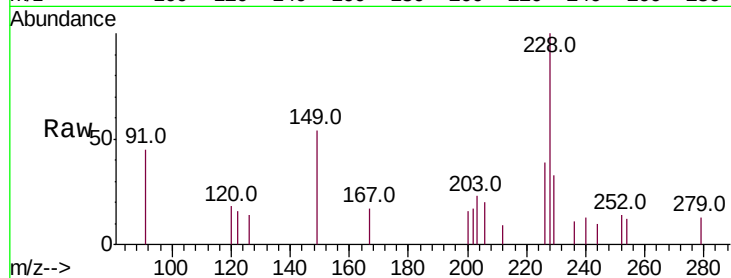
ClientSampleId :

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Tot Ion:	228	Resp:	2145
Ion Ratio	Lower	Upper	
228	100		
226	39.1	23.0	34.6#
229	33.0	16.2	24.2#

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.200 ng

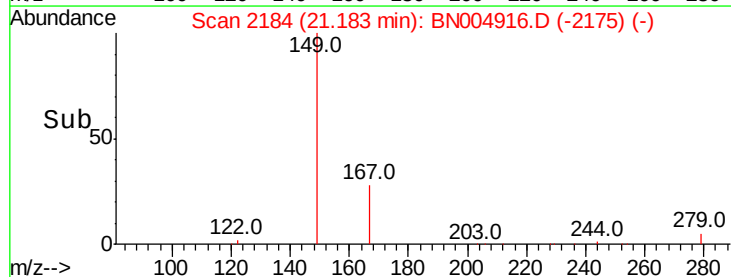
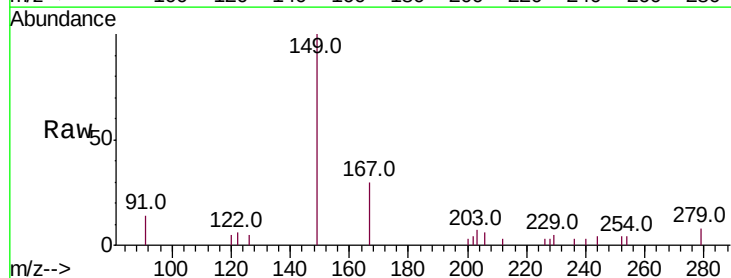
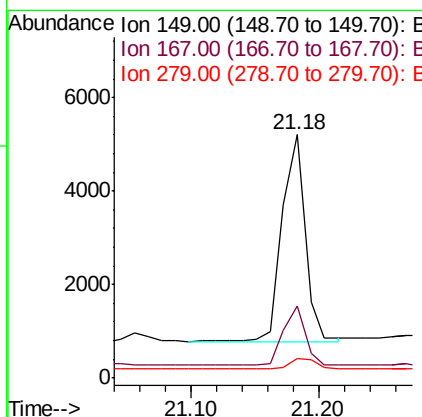
RT: 21.18 min Scan# 2184

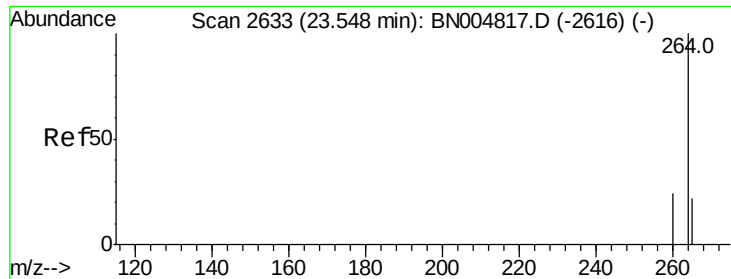
Delta R.T. -0.00 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Tgt Ion:	149	Resp:	5495
Ion Ratio	Lower	Upper	
149	100		
167	27.6	23.0	34.4
279	5.8	4.6	6.8





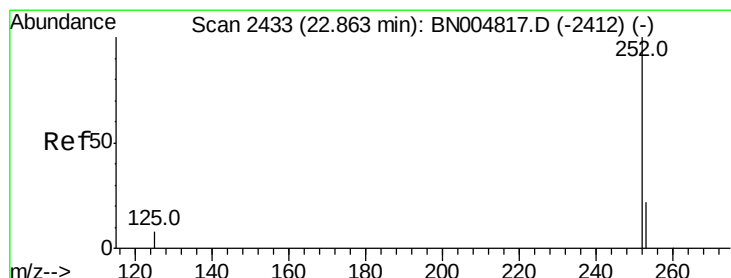
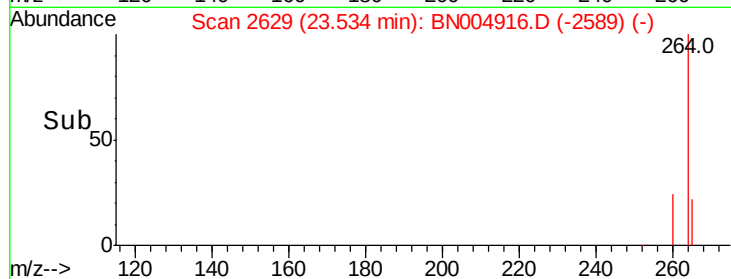
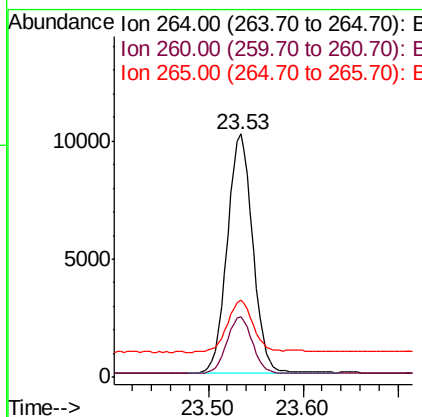
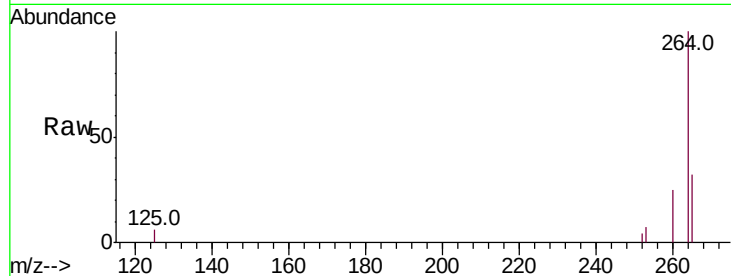
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.53 min Scan# 2629
 Delta R.T. -0.01 min
 Lab File: BN004916.D
 Acq: 23 Mar 2019 09:43

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW036-031819

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	31.7	23.1	34.7

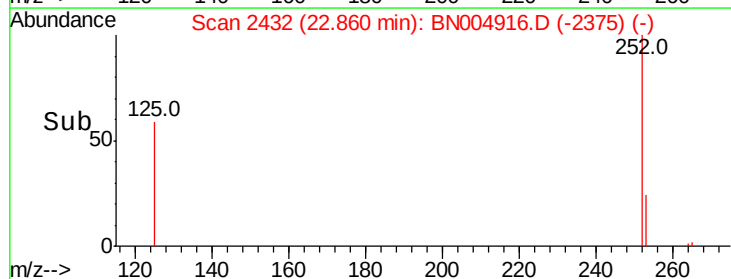
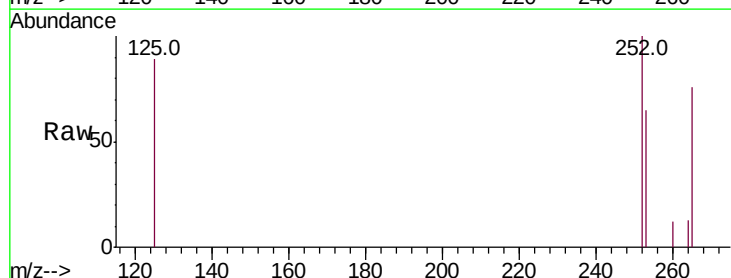
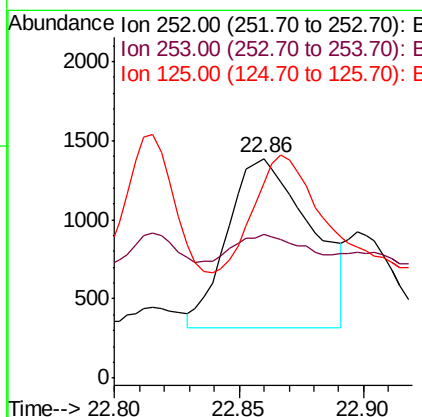
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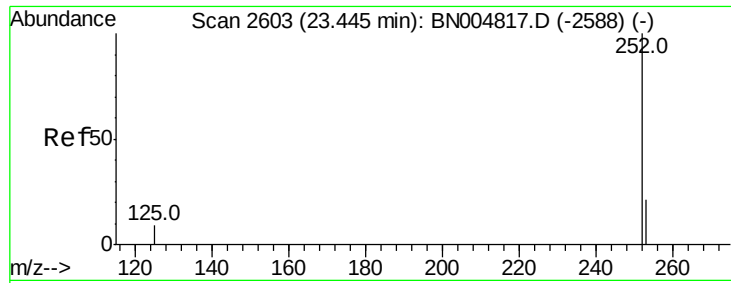
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#35
 Benzo(b)fluoranthene
 Concen: 0.036 ng m
 RT: 22.86 min Scan# 2432
 Delta R.T. -0.00 min
 Lab File: BN004916.D
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	65.5	19.0	28.4#
125	88.8	7.4	11.2#





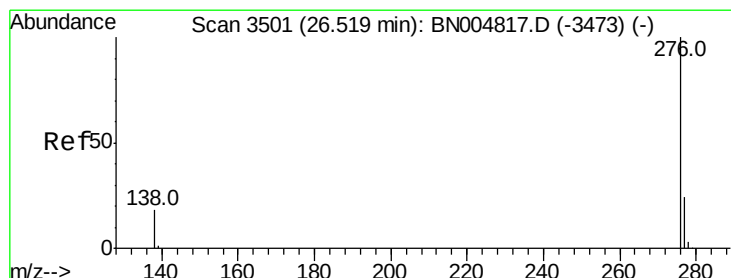
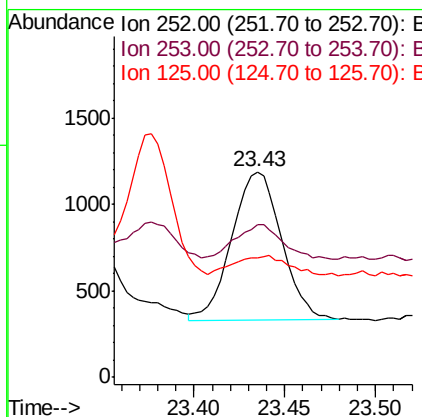
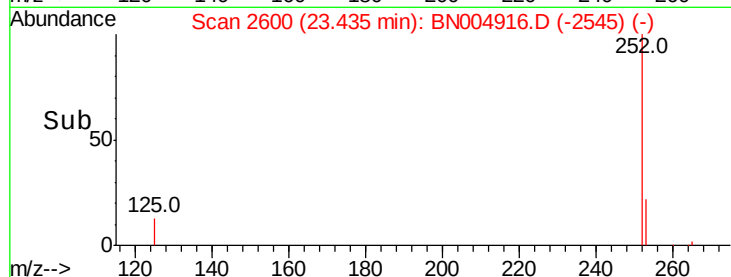
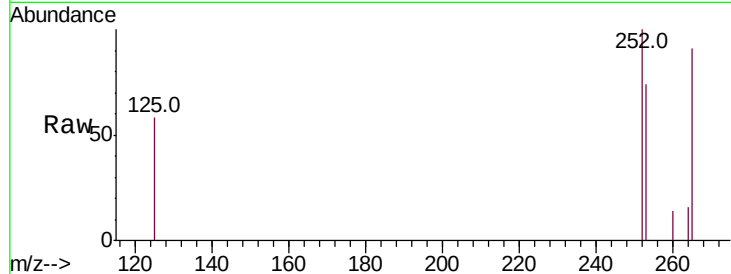
#37
Benzo(a)pyrene
Concen: 0.026 ng
RT: 23.43 min Scan# 2600
Delta R.T. -0.01 min
Lab File: BN004916.D
Acq: 23 Mar 2019 09:43

Instrument :
BNA_N
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
252	100		
253	74.2	19.7	29.5#
125	58.1	8.3	12.5#

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#39
Benzo(g,h,i)perylene
Concen: 0.020 ng
RT: 26.50 min Scan# 3495
Delta R.T. -0.02 min
Lab File: BN004916.D
Acq: 23 Mar 2019 09:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	48.3	19.7	29.5#
138	50.8	14.6	22.0#

