

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004879.D
 Acq On : 22 Mar 2019 08:20
 Operator : JU/SJ
 Sample : K2013-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B118-031819

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:52:32 AM

Quant Time: Mar 22 22:25:26 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	7.70	152	2358	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	10866	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	6931	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	17657	0.40	ng	0.00
27) Chrysene-d12	21.29	240	23389	0.40	ng	0.00
34) Perylene-d12	23.54	264	25545	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	3180	0.50	ng	0.00
5) Phenol-d6	6.87	99	4381	0.55	ng	0.00
8) Nitrobenzene-d5	8.86	82	2885	0.40	ng	-0.01
11) 2-Methylnaphthalene-d10	12.08	152	7486	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	2760	0.58	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	11927	0.42	ng	-0.01
25) Fluoranthene-d10	19.13	212	22359	0.38	ng	0.00
29) Terphenyl-d14	19.72	244	23805	0.50	ng	0.00
Target Compounds						Qvalue
16) Acenaphthylene	14.07	152	1166	0.033	ng	99
23) Phenanthrene	17.13	178	7369	0.129	ng	99
26) Fluoranthene	19.16	202	11468	0.157	ng	# 96
28) Pyrene	19.52	202	13600	0.191	ng	97
30) Benzo(a)anthracene	21.28	228	6475	0.084	ng	91
31) Chrysene	21.33	228	7306	0.090	ng	95
32) Bis(2-ethylhexyl)phthalate	21.18	149	4788	0.156	ng	98
33) Indeno(1,2,3-cd)pyrene	25.82	276	4423	0.038	ng	99
35) Benzo(b)fluoranthene	22.87	252	8577	0.093	ng	# 72
36) Benzo(k)fluoranthene	22.91	252	2847m	0.031	ng	
37) Benzo(a)pyrene	23.45	252	6455	0.076	ng	# 81
39) Benzo(a,h,i)perylene	26.52	276	4767	0.048	ng	# 91

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

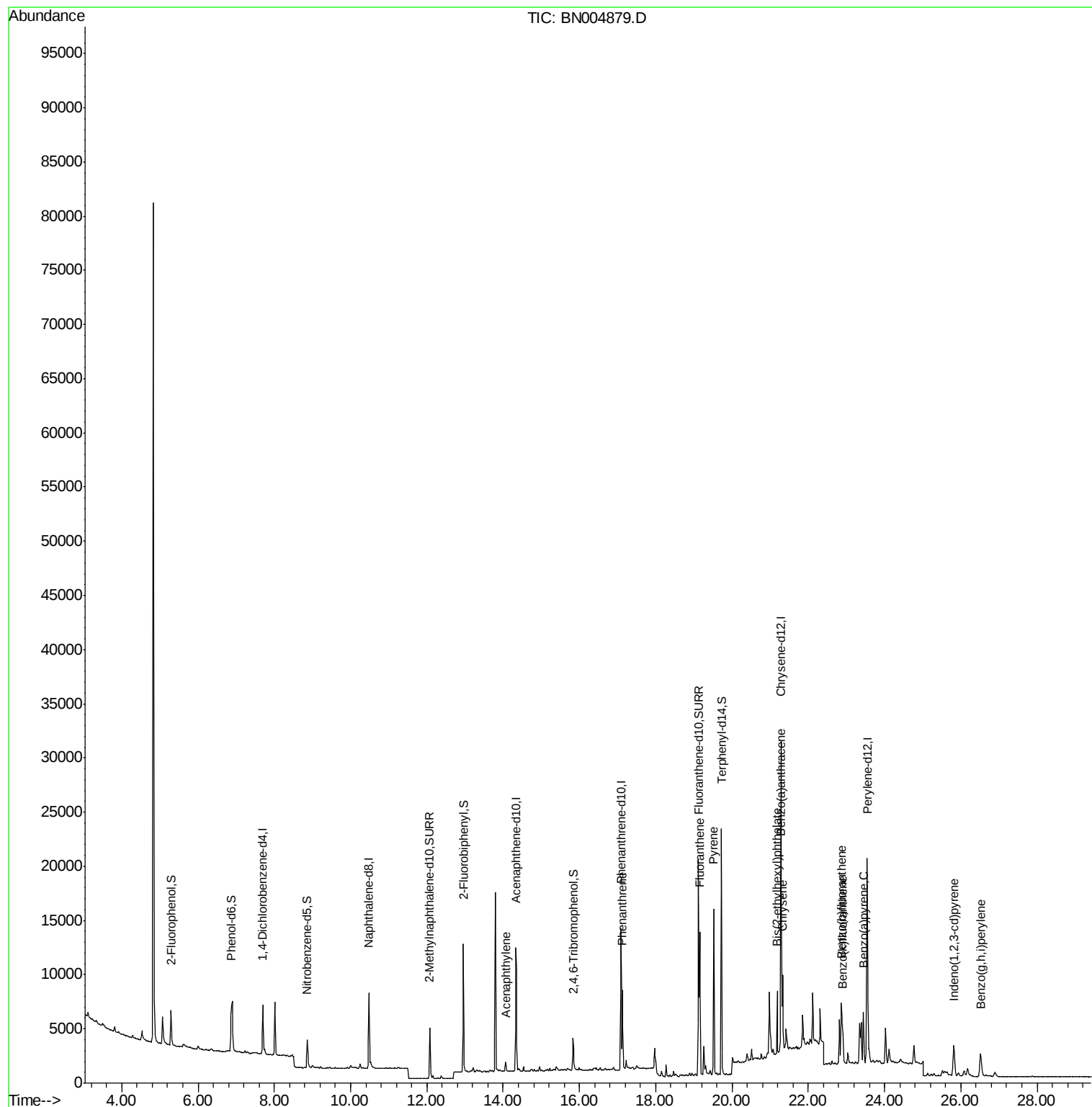
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
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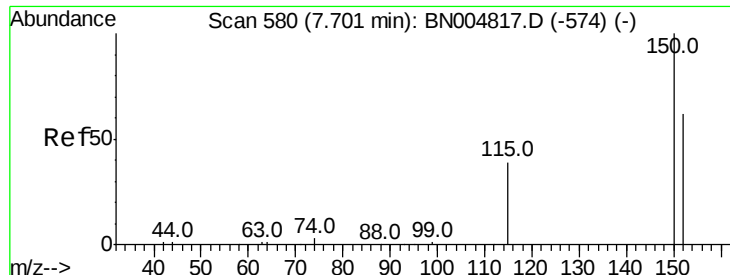
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PST-026-B118-031819

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
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#1

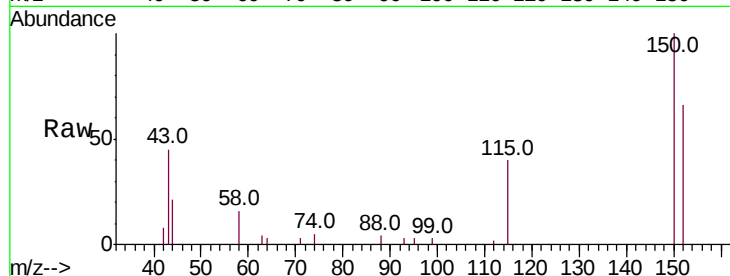
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. 0.00 min
Lab File: BN004879.D
Acq: 22 Mar 2019 08:20

Instrument :
BNA_N
ClientSampleId :
PST-026-B118-031819

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	126.2	189.4
115	61.6	52.6	79.0

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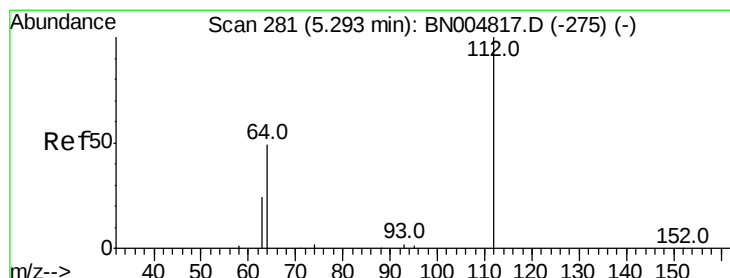
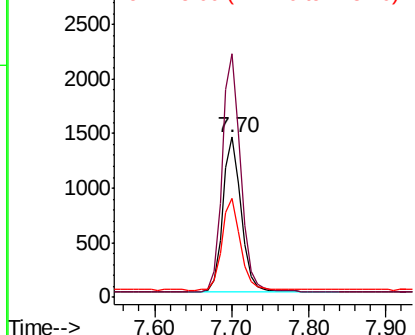
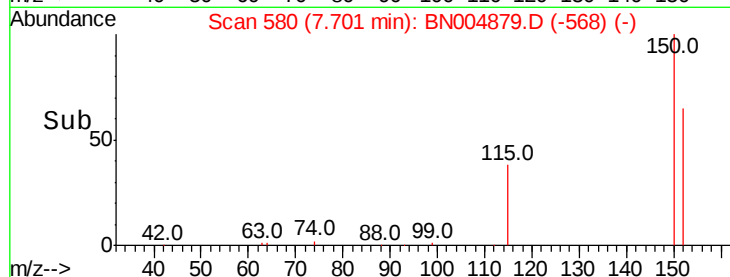


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

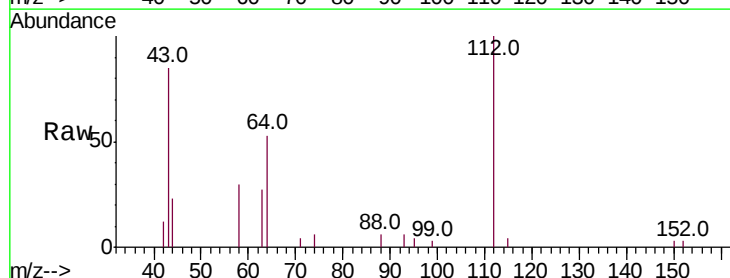
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.496 ng
RT: 5.29 min Scan# 281
Delta R.T. 0.00 min
Lab File: BN004879.D
Acq: 22 Mar 2019 08:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.1	40.0	60.0
63	25.3	20.2	30.2

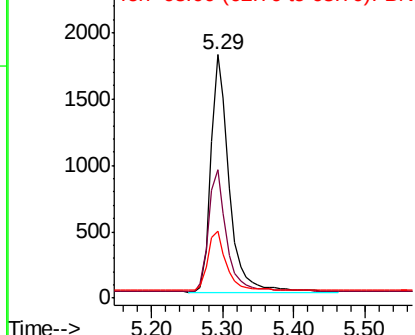
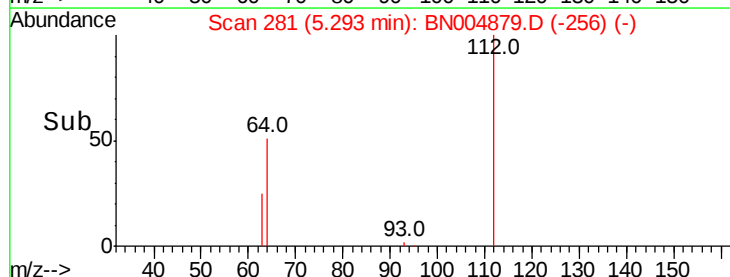


Abundance

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: 0.549 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004879.D

Acq: 22 Mar 2019 08:20

Instrument :

BNA_N

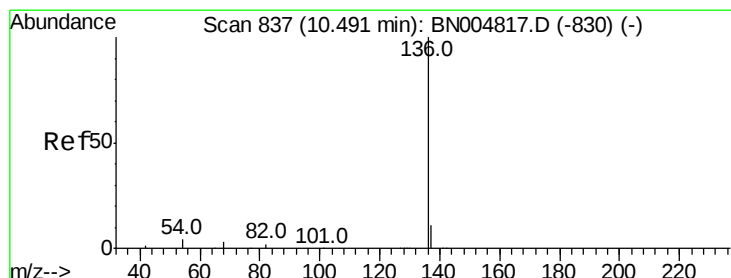
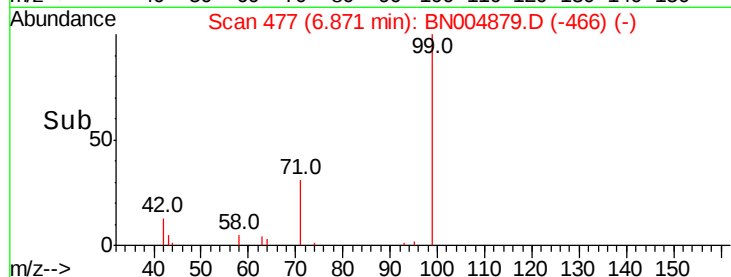
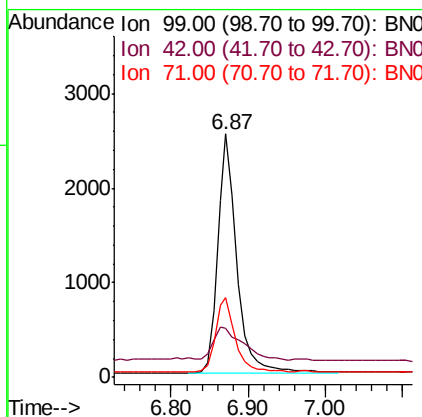
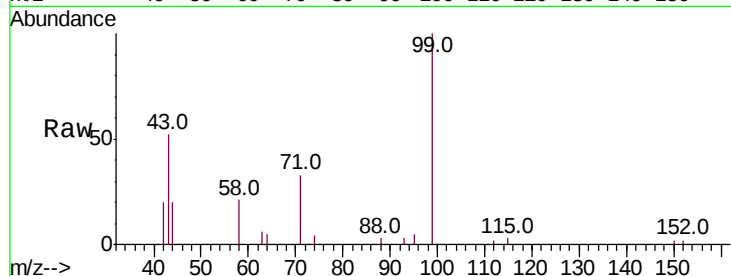
ClientSampleId :

PST-026-B118-031819

Tot Ion:	99	Resp:	4381
Ion	Ratio	Lower	Upper
99	100		
42	20.3	12.7	19.1#
71	31.8	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

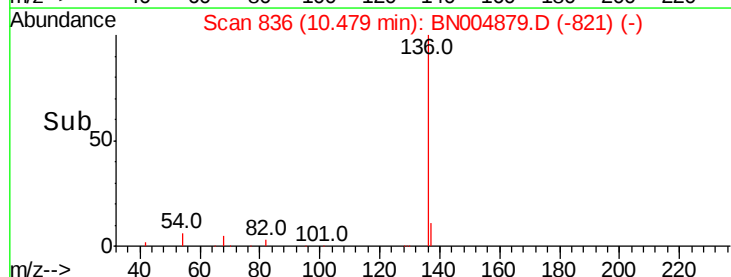
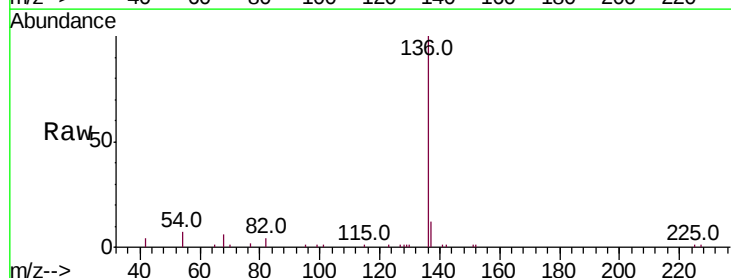
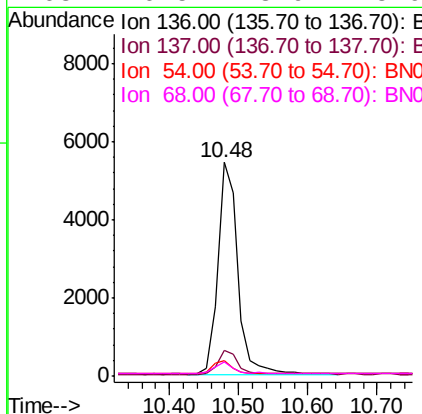
RT: 10.48 min Scan# 836

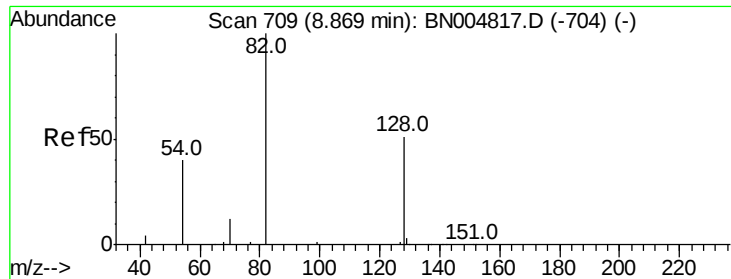
Delta R.T. -0.01 min

Lab File: BN004879.D

Acq: 22 Mar 2019 08:20

Tgt Ion:	136	Resp:	10866
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	7.5	4.2	6.2#
68	6.5	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.401 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004879.D

Acq: 22 Mar 2019 08:20

Instrument :

BNA_N

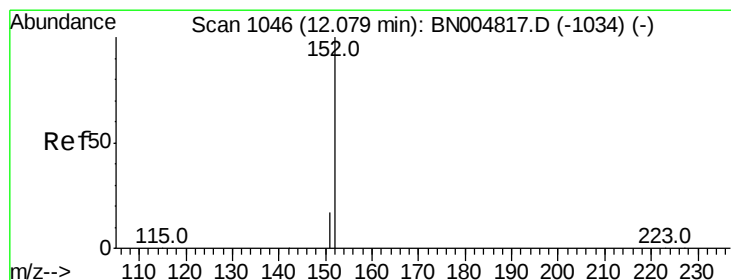
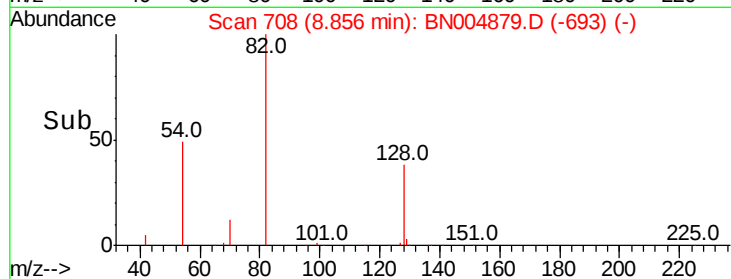
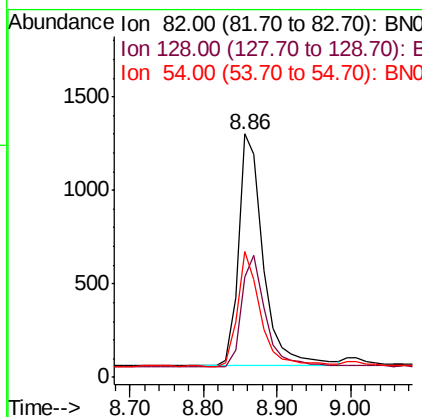
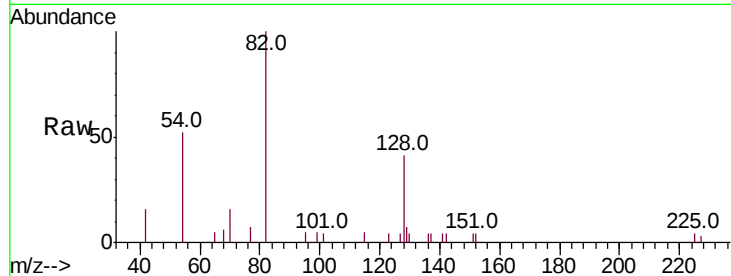
ClientSampleId :

PST-026-B118-031819

Tot Ion:	82	Resp:	2885
Ion Ratio	Lower	Upper	
82	100		
128	41.0	43.0	64.6#
54	51.5	35.3	52.9

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#11

2-Methylnaphthalene-d10

Concen: 0.395 ng

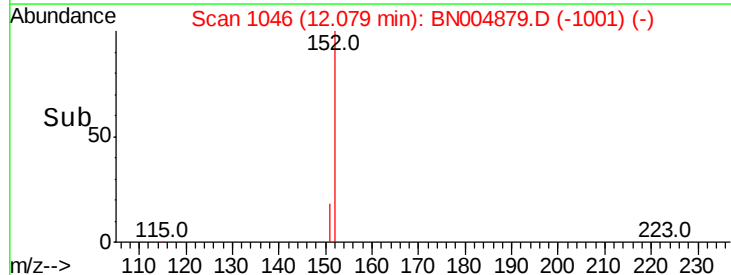
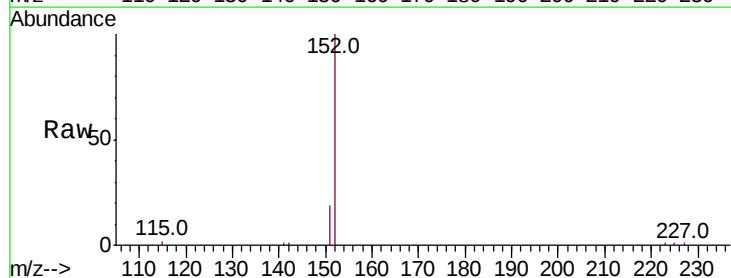
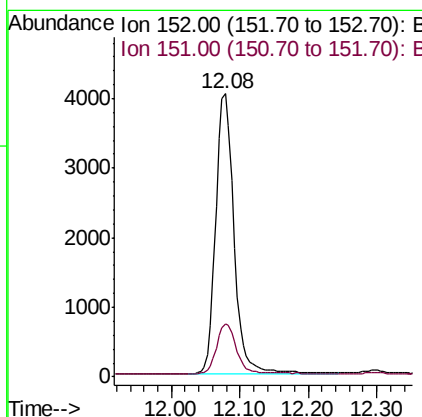
RT: 12.08 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BN004879.D

Acq: 22 Mar 2019 08:20

Tgt Ion:	152	Resp:	7486
Ion Ratio	Lower	Upper	
152	100		
151	19.0	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: BN004879.D

Acq: 22 Mar 2019 08:20

Instrument :

BNA_N

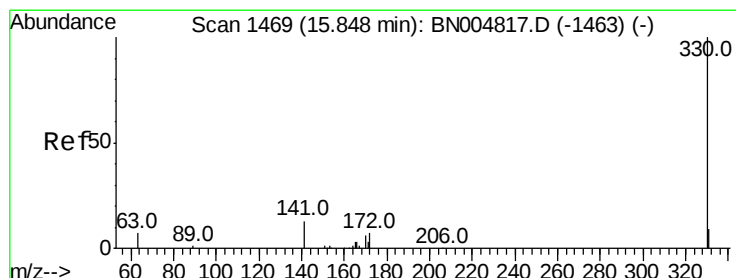
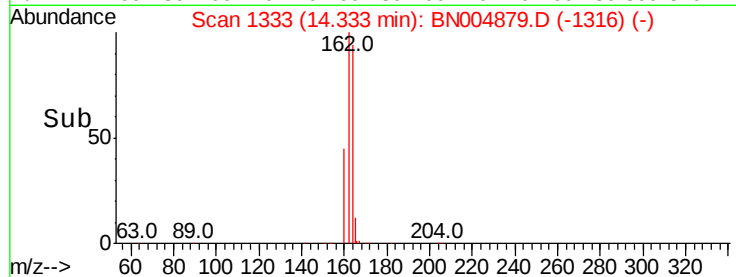
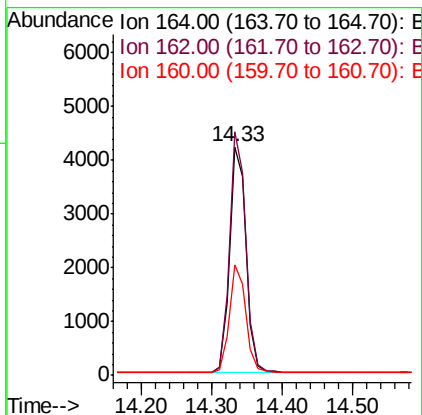
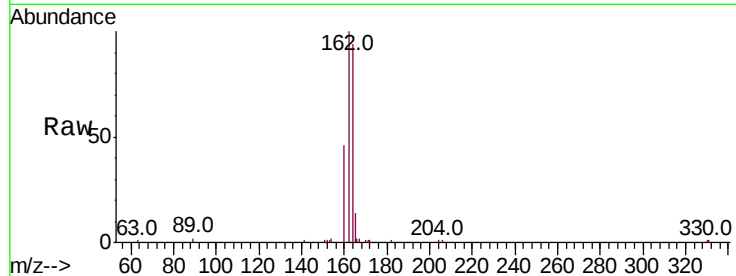
ClientSampleId :

PST-026-B118-031819

Tot Ion:	164	Resp:	6931
Ion Ratio	Lower	Upper	
164	100		
162	106.4	81.9	122.9
160	48.4	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.577 ng

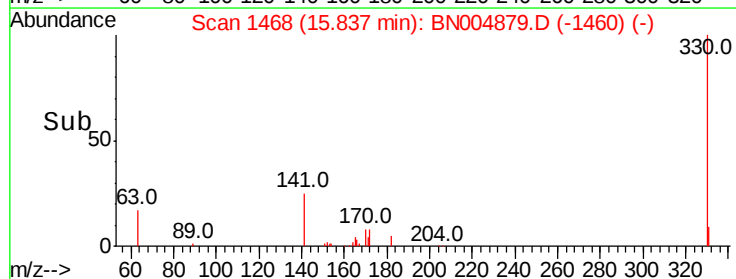
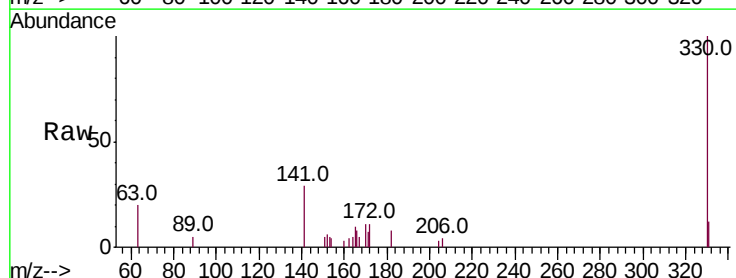
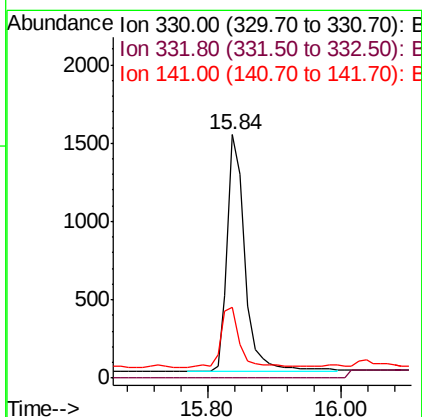
RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004879.D

Acq: 22 Mar 2019 08:20

Tgt Ion:	330	Resp:	2760
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	28.3	20.9	31.3





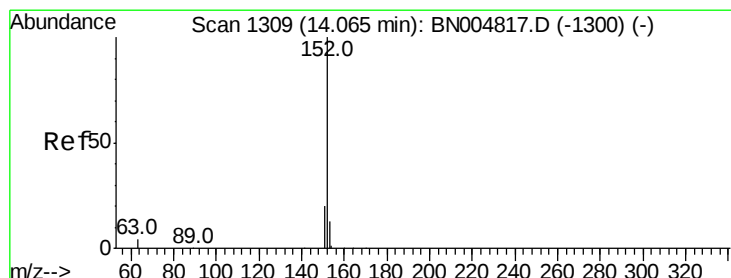
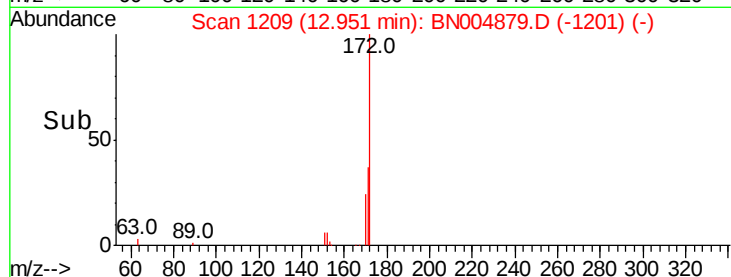
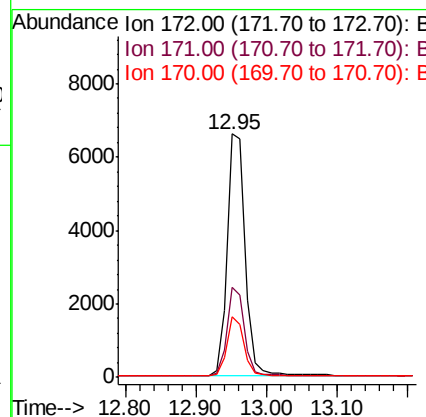
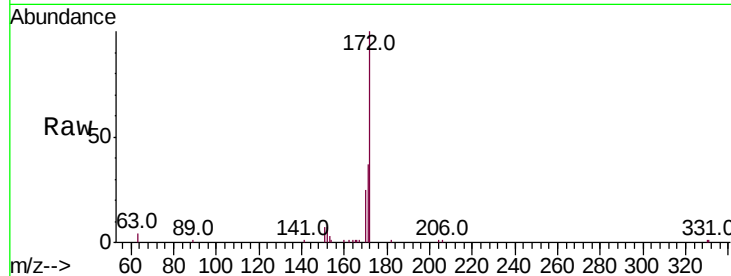
#15
2-Fluorobiphenyl
Concen: 0.416 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004879.D
Acq: 22 Mar 2019 08:20

Instrument :
BNA_N
ClientSampleId :
PST-026-B118-031819

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.7	43.1
170	24.9	18.7	28.1

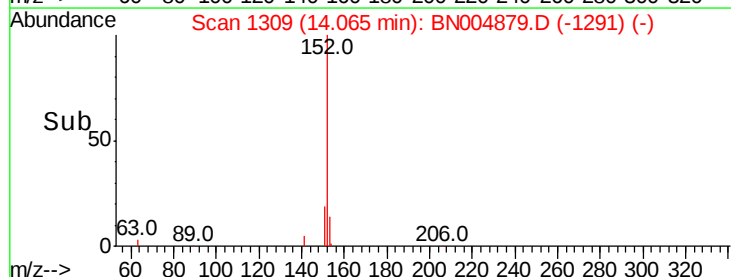
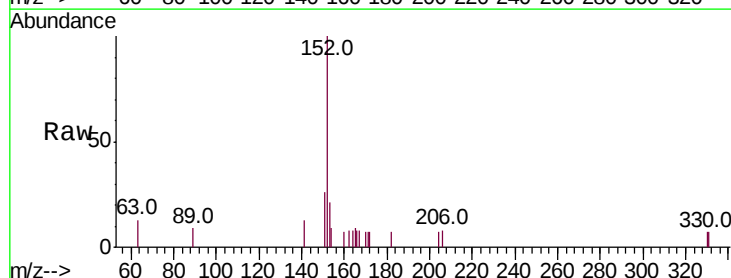
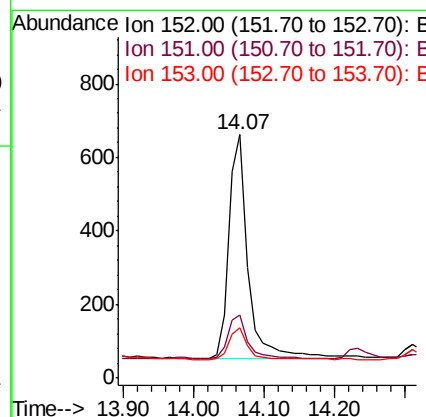
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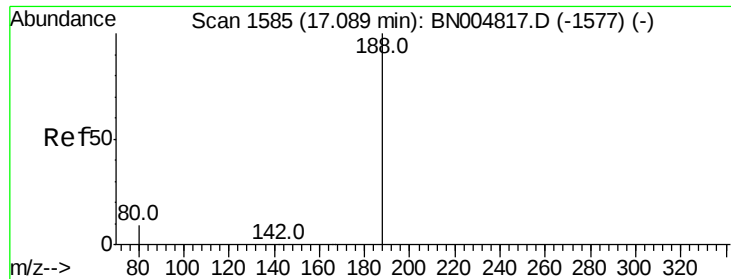
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#16
Acenaphthylene
Concen: 0.033 ng
RT: 14.07 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BN004879.D
Acq: 22 Mar 2019 08:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	14.2	10.5	15.7





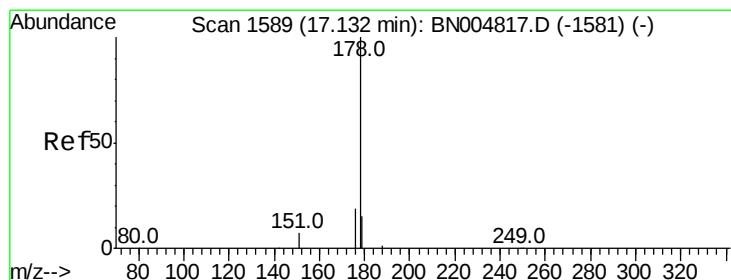
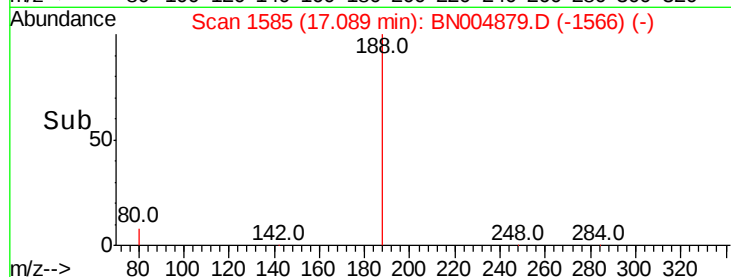
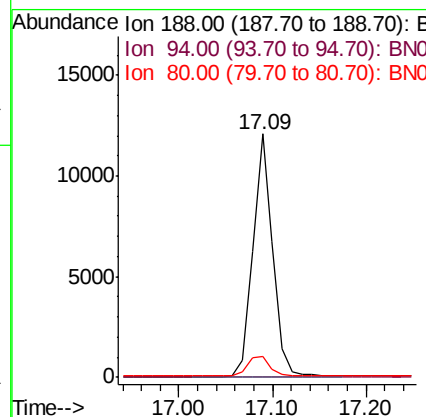
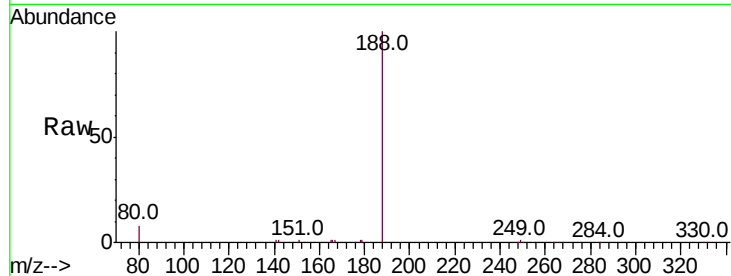
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BN004879.D
Acq: 22 Mar 2019 08:20

Instrument :
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ClientSampleId :
PST-026-B118-031819

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	7.4	11.2

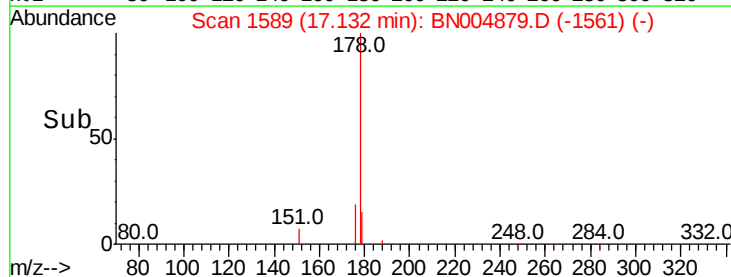
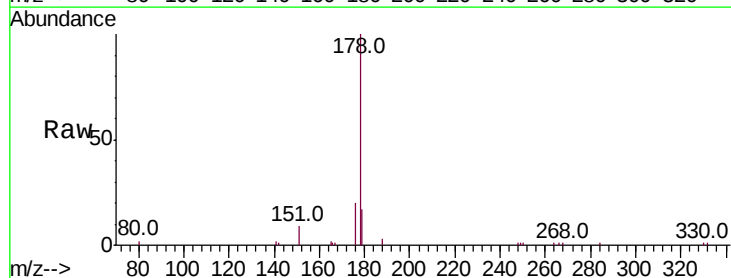
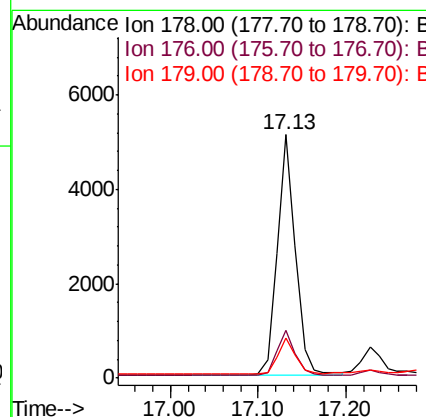
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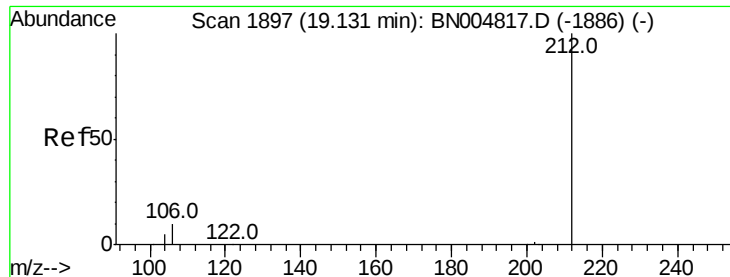
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#23
Phenanthrene
Concen: 0.129 ng
RT: 17.13 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BN004879.D
Acq: 22 Mar 2019 08:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.7	12.1	18.1





#25

Fluoranthene-d10

Concen: 0.378 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BN004879.D

Acq: 22 Mar 2019 08:20

Instrument :

BNA_N

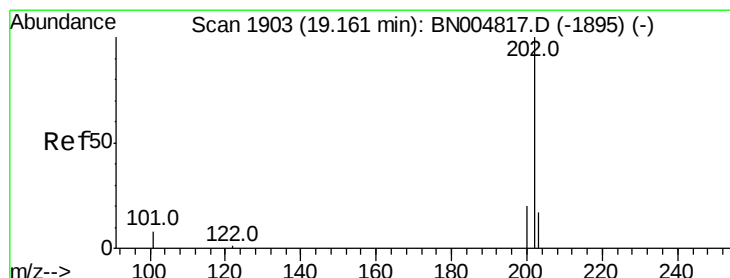
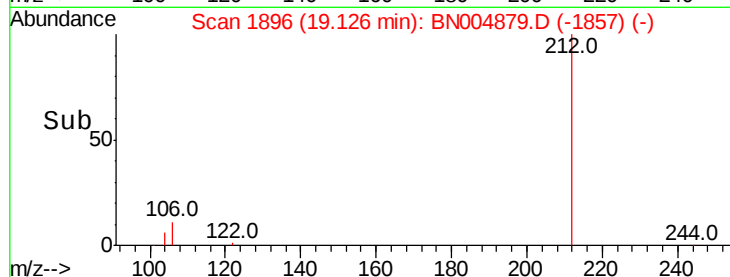
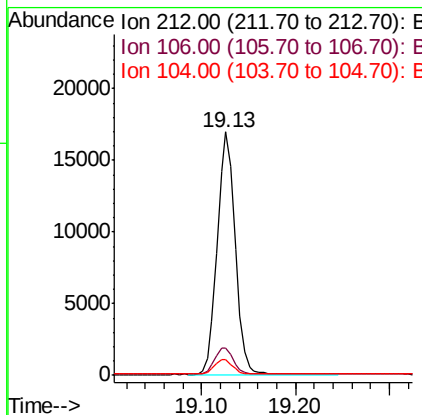
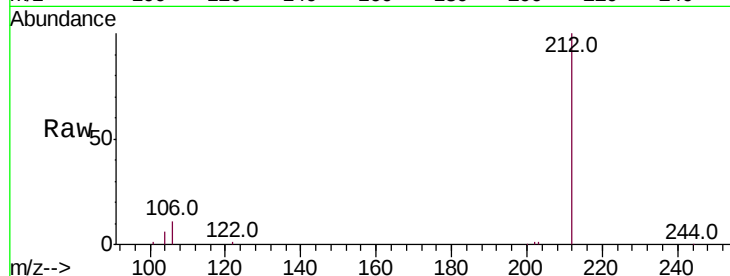
ClientSampleId :

PST-026-B118-031819

Tot Ion:	212	Resp:	22359
Ion Ratio	Lower	Upper	
212	100		
106	11.6	8.6	13.0
104	6.3	4.7	7.1

Manual Integrations
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#26

Fluoranthene

Concen: 0.157 ng

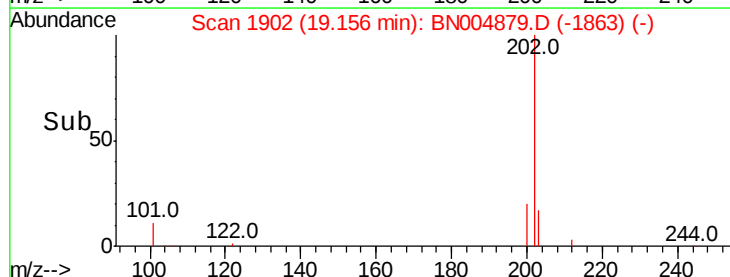
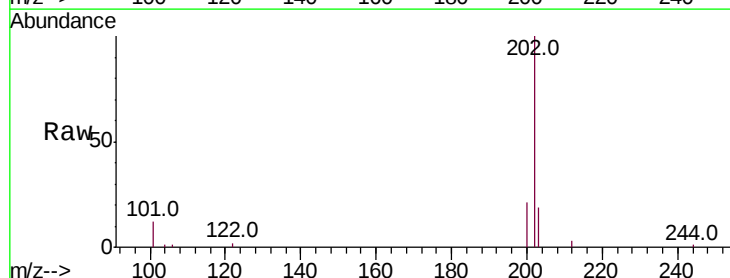
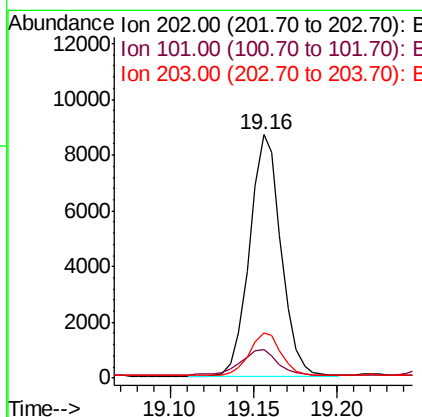
RT: 19.16 min Scan# 1902

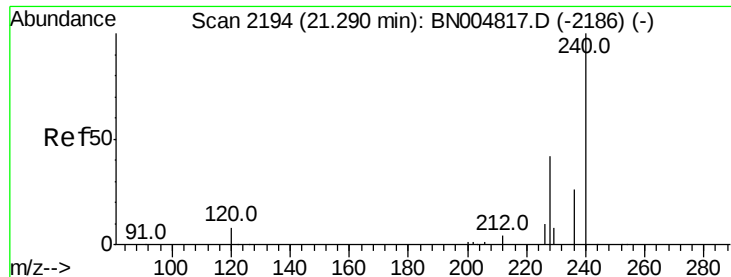
Delta R.T. -0.00 min

Lab File: BN004879.D

Acq: 22 Mar 2019 08:20

Tgt Ion:	202	Resp:	11468
Ion Ratio	Lower	Upper	
202	100		
101	13.2	7.5	11.3#
203	17.8	13.8	20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.29 min Scan# 2194

Delta R.T. 0.00 min

Lab File: BN004879.D

Acq: 22 Mar 2019 08:20

Instrument :

BNA_N

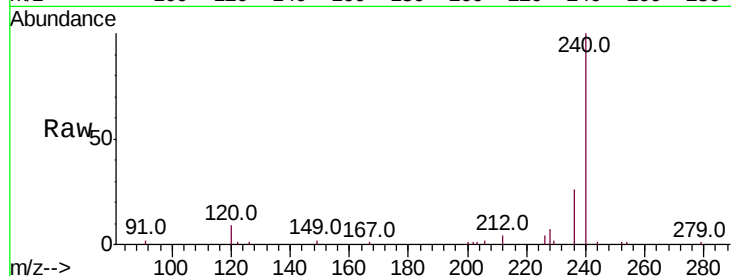
ClientSampleId :

PST-026-B118-031819

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.2	10.8
236	26.3	20.9	31.3

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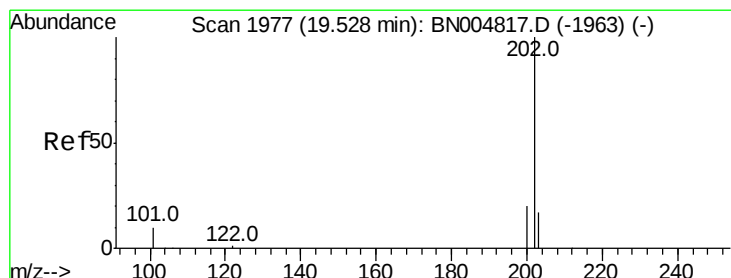
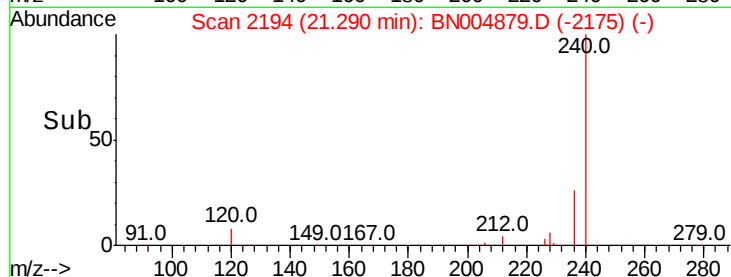
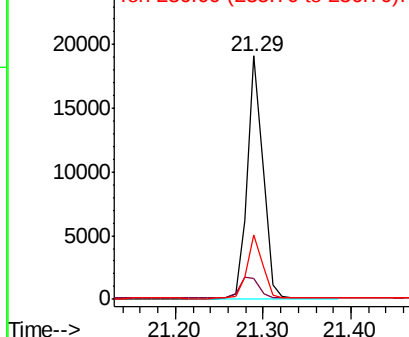


Abundance

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: 0.191 ng

RT: 19.52 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BN004879.D

Acq: 22 Mar 2019 08:20

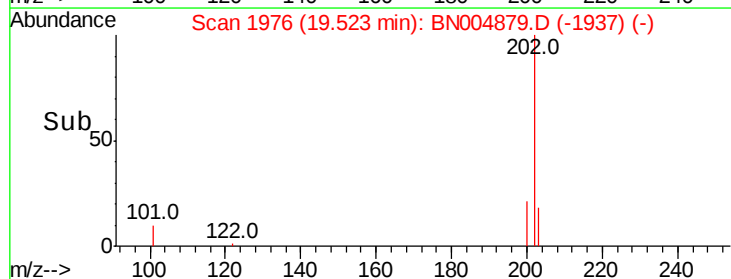
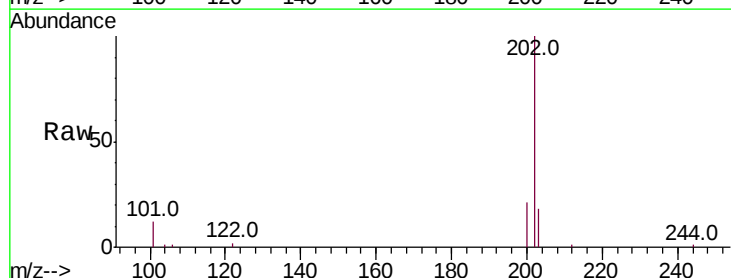
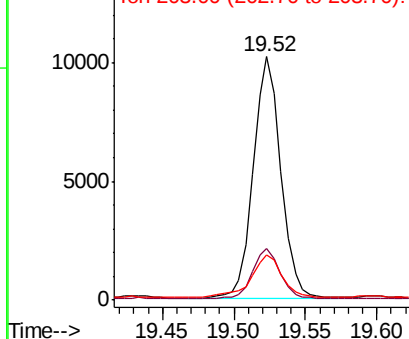
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	20.1	14.0	21.0

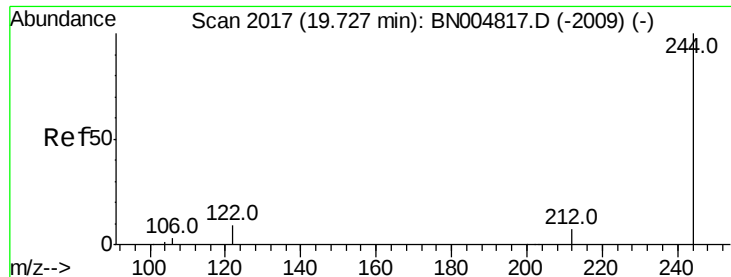
Abundance

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: 0.497 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BN004879.D

Acq: 22 Mar 2019 08:20

Instrument :

BNA_N

ClientSampleId :

PST-026-B118-031819

Tot Ion:244 Resp: 23805

Ion Ratio Lower Upper

244 100

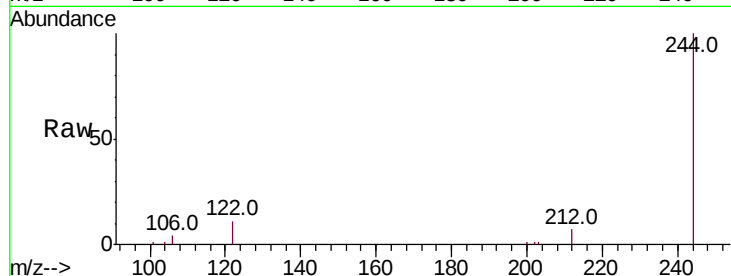
212 7.1 5.8 8.6

122 10.7 7.9 11.9

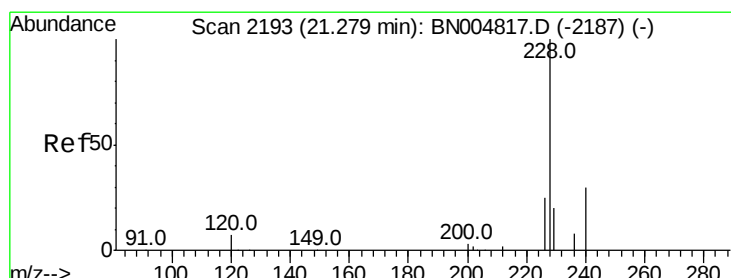
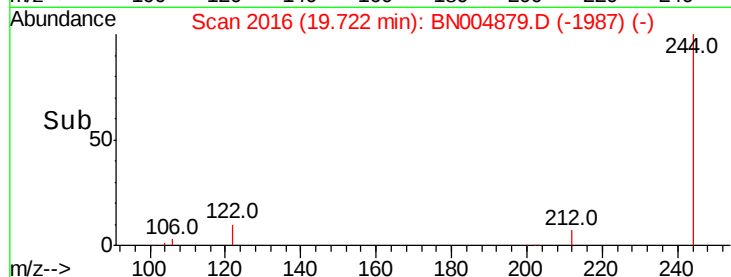
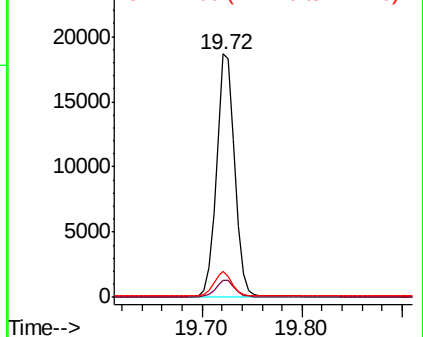
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.084 ng

RT: 21.28 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BN004879.D

Acq: 22 Mar 2019 08:20

Tgt Ion:228 Resp: 6475

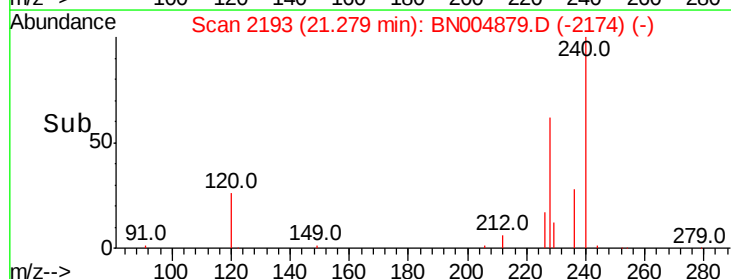
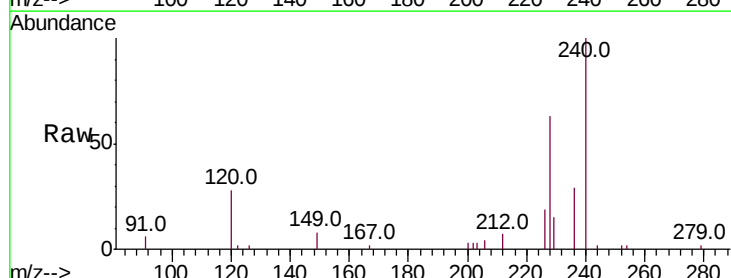
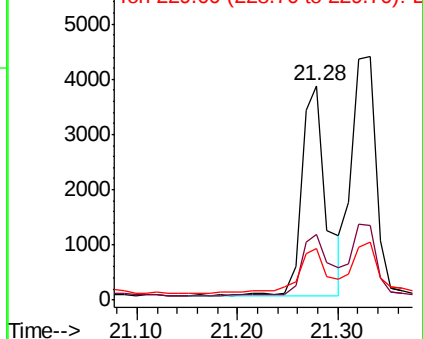
Ion Ratio Lower Upper

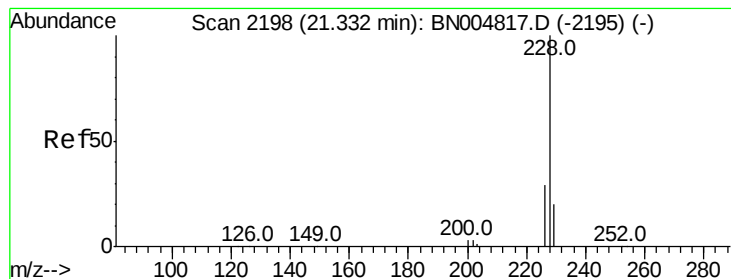
228 100

226 30.6 20.6 31.0

229 24.0 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





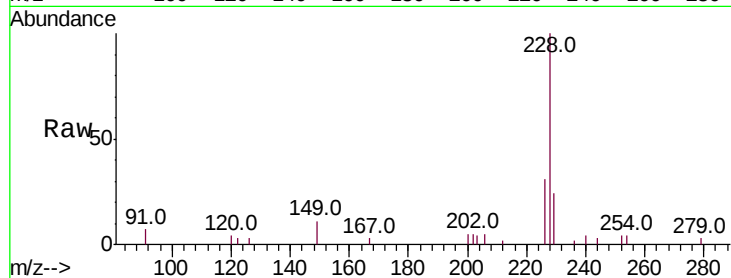
#31
Chrysene
Concen: 0.090 ng
RT: 21.33 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BN004879.D
Acq: 22 Mar 2019 08:20

Instrument :
BNA_N
ClientSampleId :
PST-026-B118-031819

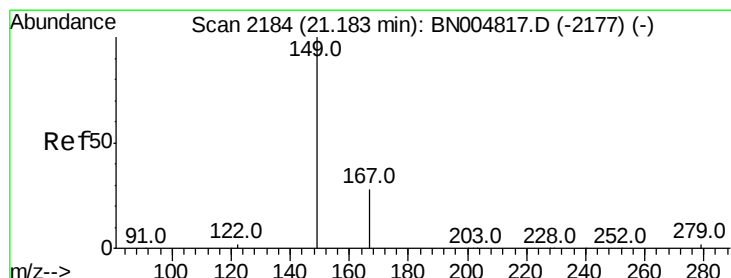
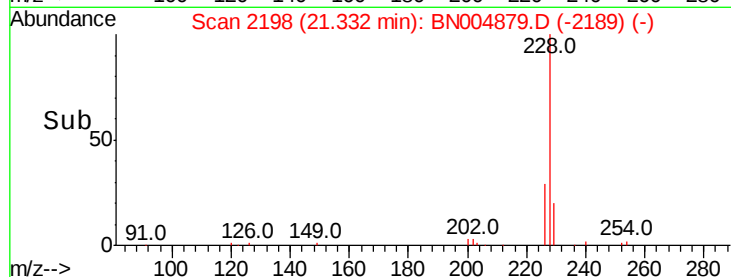
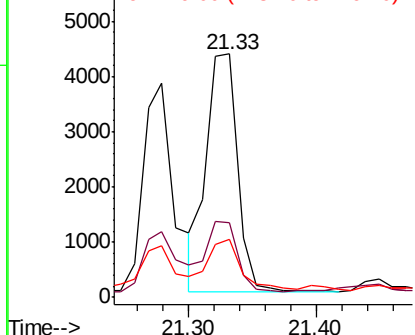
Tot Ion:228	Resp:	7306
Ion Ratio	Lower	Upper
228 100		
226 30.6	23.0	34.6
229 23.9	16.2	24.2

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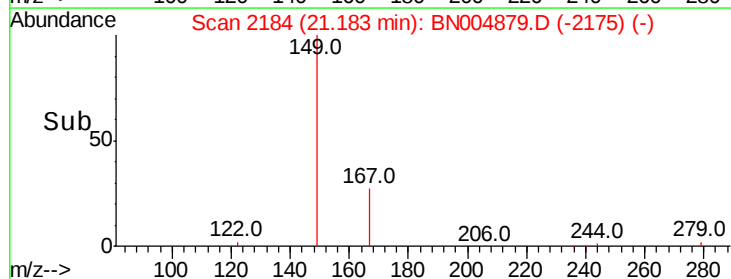
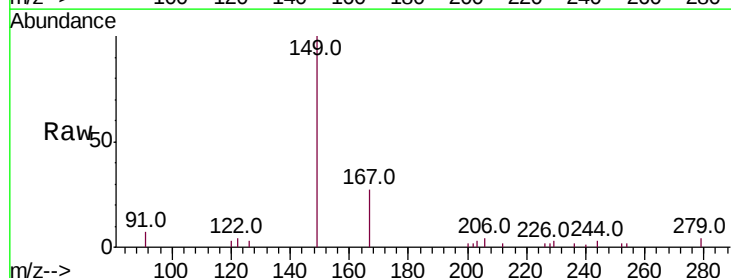
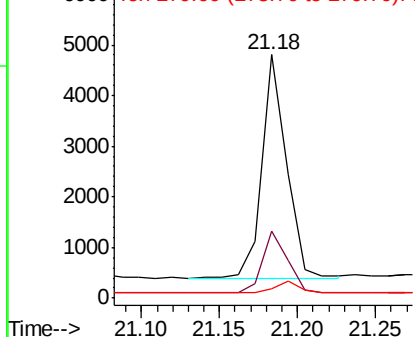
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

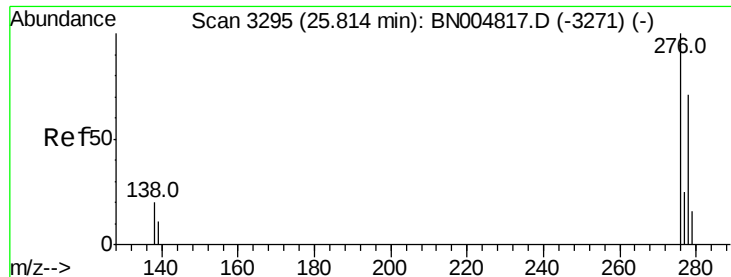


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.156 ng
RT: 21.18 min Scan# 2184
Delta R.T. 0.00 min
Lab File: BN004879.D
Acq: 22 Mar 2019 08:20

Tgt Ion:149	Resp:	4788
Ion Ratio	Lower	Upper
149 100		
167 27.8	23.0	34.4
279 5.8	4.6	6.8

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.038 ng

RT: 25.82 min Scan# 3297

Delta R.T. 0.01 min

Lab File: BN004879.D

Acq: 22 Mar 2019 08:20

Instrument :

BNA_N

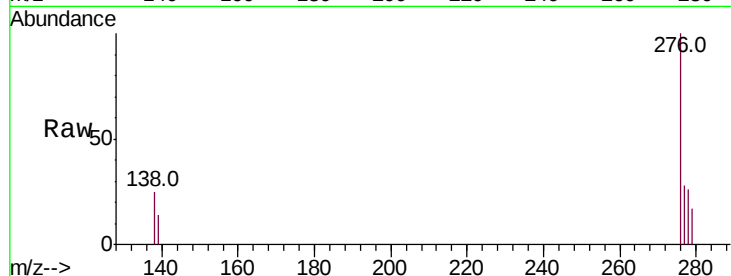
ClientSampleId :

PST-026-B118-031819

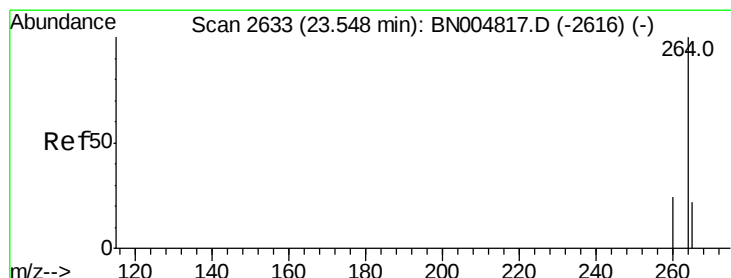
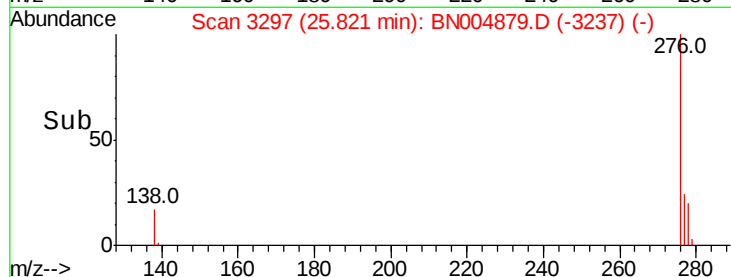
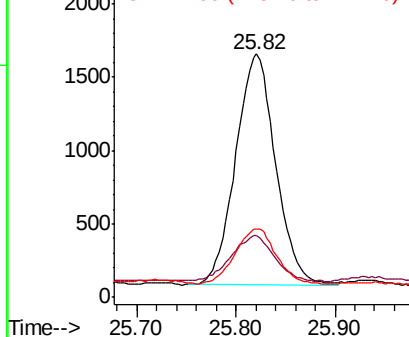
Tot Ion:	276	Resp:	4423
Ion Ratio	Lower	Upper	
276	100		
138	20.9	16.6	24.8
277	24.7	20.3	30.5

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



#34

Perylene-d12

Concen: 0.400 ng

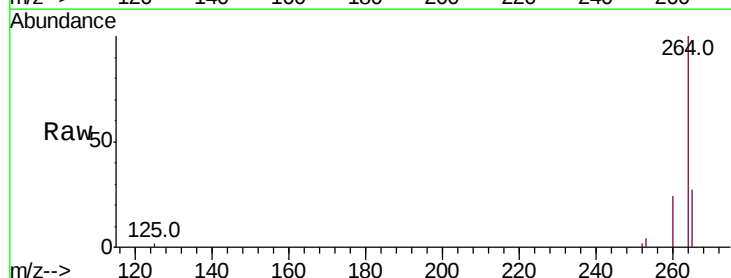
RT: 23.54 min Scan# 2632

Delta R.T. -0.00 min

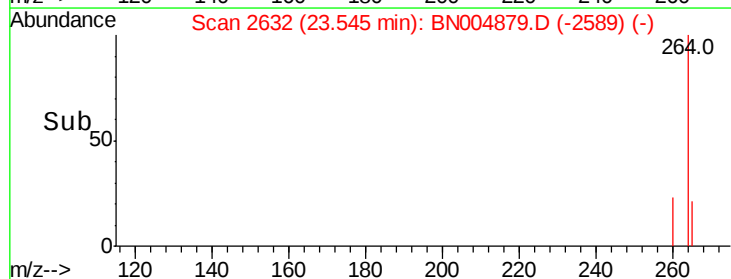
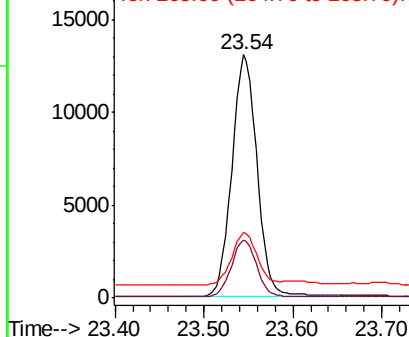
Lab File: BN004879.D

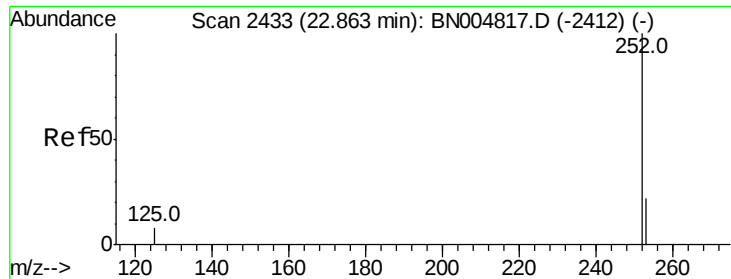
Acq: 22 Mar 2019 08:20

Tgt Ion:	264	Resp:	25545
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.5	29.3
265	26.8	23.1	34.7



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





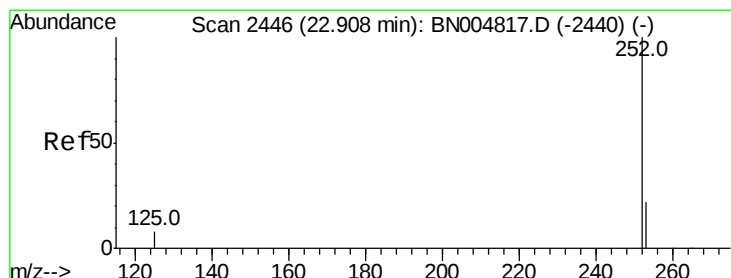
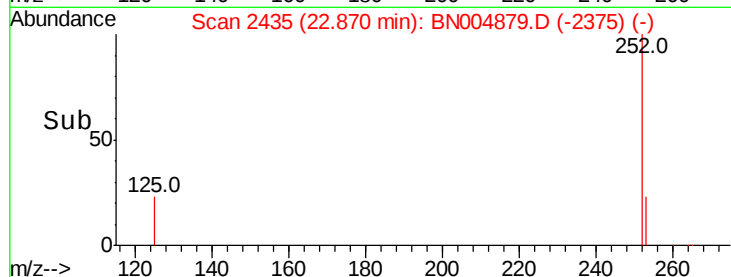
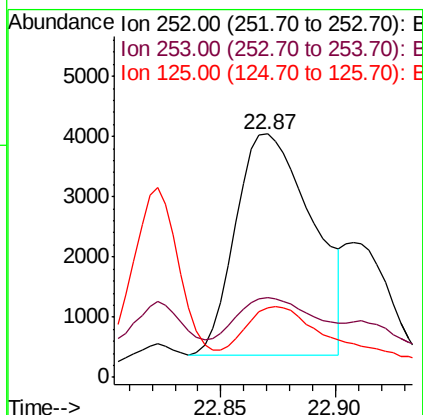
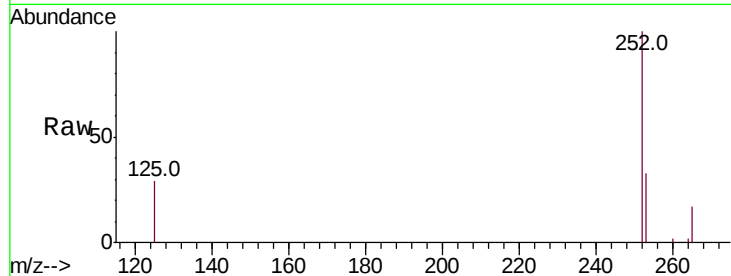
#35
Benzo(b)fluoranthene
Concen: 0.093 ng
RT: 22.87 min Scan# 2435
Delta R.T. 0.01 min
Lab File: BN004879.D
Acq: 22 Mar 2019 08:20

Instrument :
BNA_N
ClientSampleId :
PST-026-B118-031819

Tot Ion:252 Resp: 8577
Ion Ratio Lower Upper
252 100
253 32.8 19.0 28.4#
125 28.8 7.4 11.2#

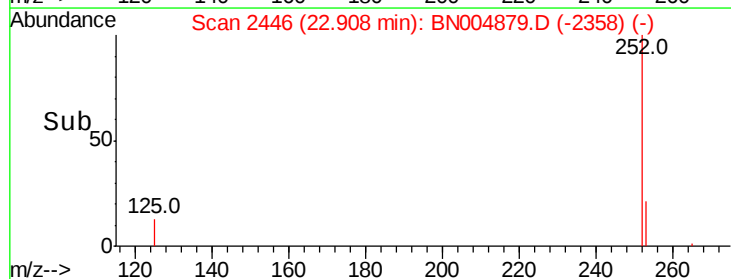
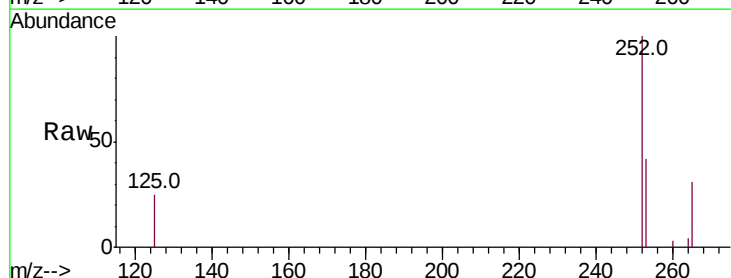
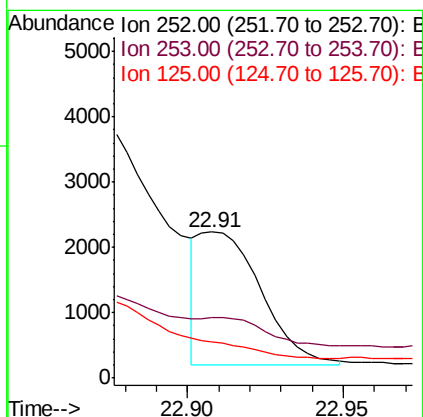
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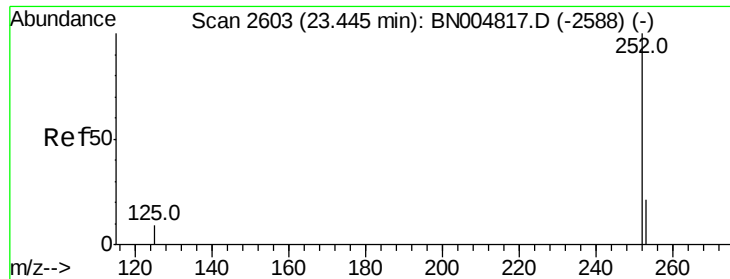
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#36
Benzo(k)fluoranthene
Concen: 0.031 ng m
RT: 22.91 min Scan# 2446
Delta R.T. 0.00 min
Lab File: BN004879.D
Acq: 22 Mar 2019 08:20

Tgt Ion:252 Resp: 2847
Ion Ratio Lower Upper
252 100
253 41.7 19.3 28.9#
125 25.0 7.4 11.0#





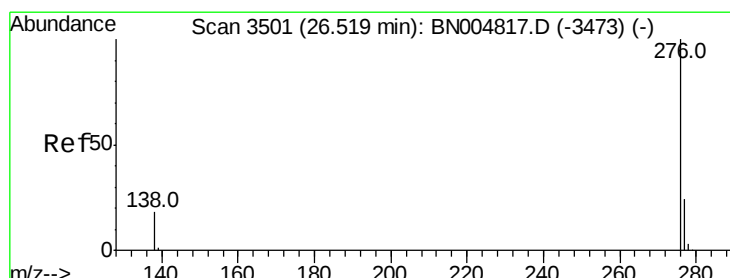
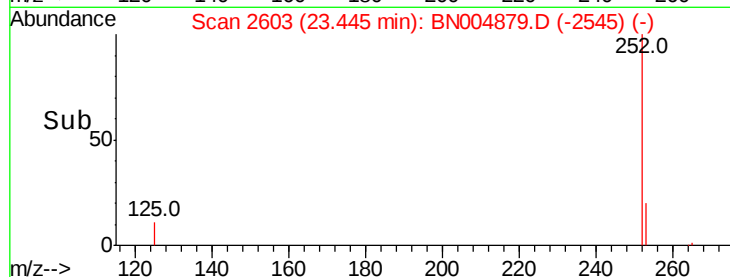
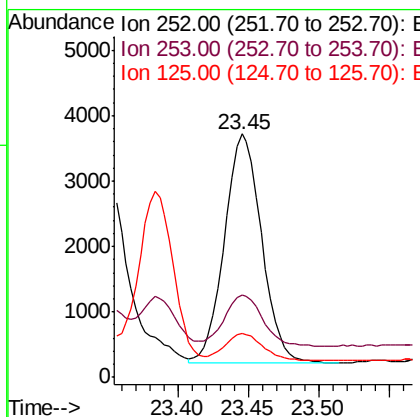
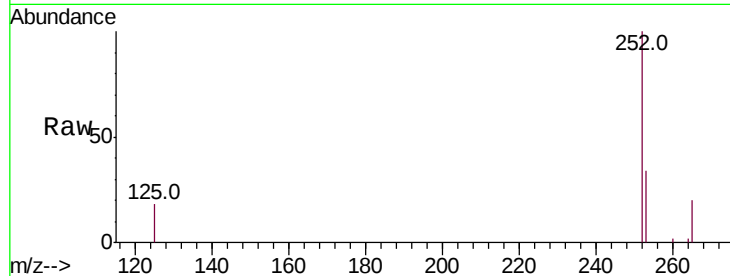
#37
Benzo(a)pyrene
Concen: 0.076 ng
RT: 23.45 min Scan# 2603
Delta R.T. 0.00 min
Lab File: BN004879.D
Acq: 22 Mar 2019 08:20

Instrument :
BNA_N
ClientSampleId :
PST-026-B118-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.7	19.7	29.5#
125	17.9	8.3	12.5#

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#39
Benzo(g,h,i)perylene
Concen: 0.048 ng
RT: 26.52 min Scan# 3501
Delta R.T. 0.00 min
Lab File: BN004879.D
Acq: 22 Mar 2019 08:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.7	29.5
138	24.4	14.6	22.0#

