

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\
 Data File : BN004931.D
 Acq On : 23 Mar 2019 21:25
 Operator : JU/SJ
 Sample : K2015-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-072-SW090-031919

Manual Integrations
 APPROVED

Sohil
 3/25/2019 1:34:47 PM

Quant Time: Mar 24 02:10:50 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	1356	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	5557	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	2993	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	7395	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	11073	0.40	ng	-0.01
34) Perylene-d12	23.53	264	14682	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	1587	0.43	ng	0.00
5) Phenol-d6	6.86	99	2027	0.44	ng	-0.02
8) Nitrobenzene-d5	8.86	82	1576	0.43	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	3362	0.35	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	862	0.42	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	4705	0.38	ng	-0.01
25) Fluoranthene-d10	19.12	212	9291	0.38	ng	-0.02
29) Terphenyl-d14	19.72	244	6737	0.30	ng	-0.01

Target Compounds

						Qvalue
16) Acenaphthylene	14.05	152	1355	0.088	ng	99
18) Fluorene	15.39	166	297	0.021	ng	# 85
23) Phenanthrene	17.12	178	7260	0.304	ng	99
24) Anthracene	17.22	178	1766	0.083	ng	97
26) Fluoranthene	19.15	202	20571	0.670	ng	98
28) Pyrene	19.51	202	18205	0.539	ng	97
30) Benzo(a)anthracene	21.26	228	13361	0.368	ng	95
31) Chrysene	21.31	228	11275	0.295	ng	94
32) Bis(2-ethylhexyl)phthalate	21.17	149	2693	0.186	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	10975	0.198	ng	99
35) Benzo(b)fluoranthene	22.85	252	18263	0.344	ng	# 88
36) Benzo(k)fluoranthene	22.89	252	7389m	0.141	ng	
37) Benzo(a)pyrene	23.43	252	13818	0.284	ng	# 90
38) Dibenzo(a,h)anthracene	25.80	278	3024	0.054	ng	# 50
39) Benzo(a,h,i)perylene	26.49	276	9902	0.172	ng	# 92

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

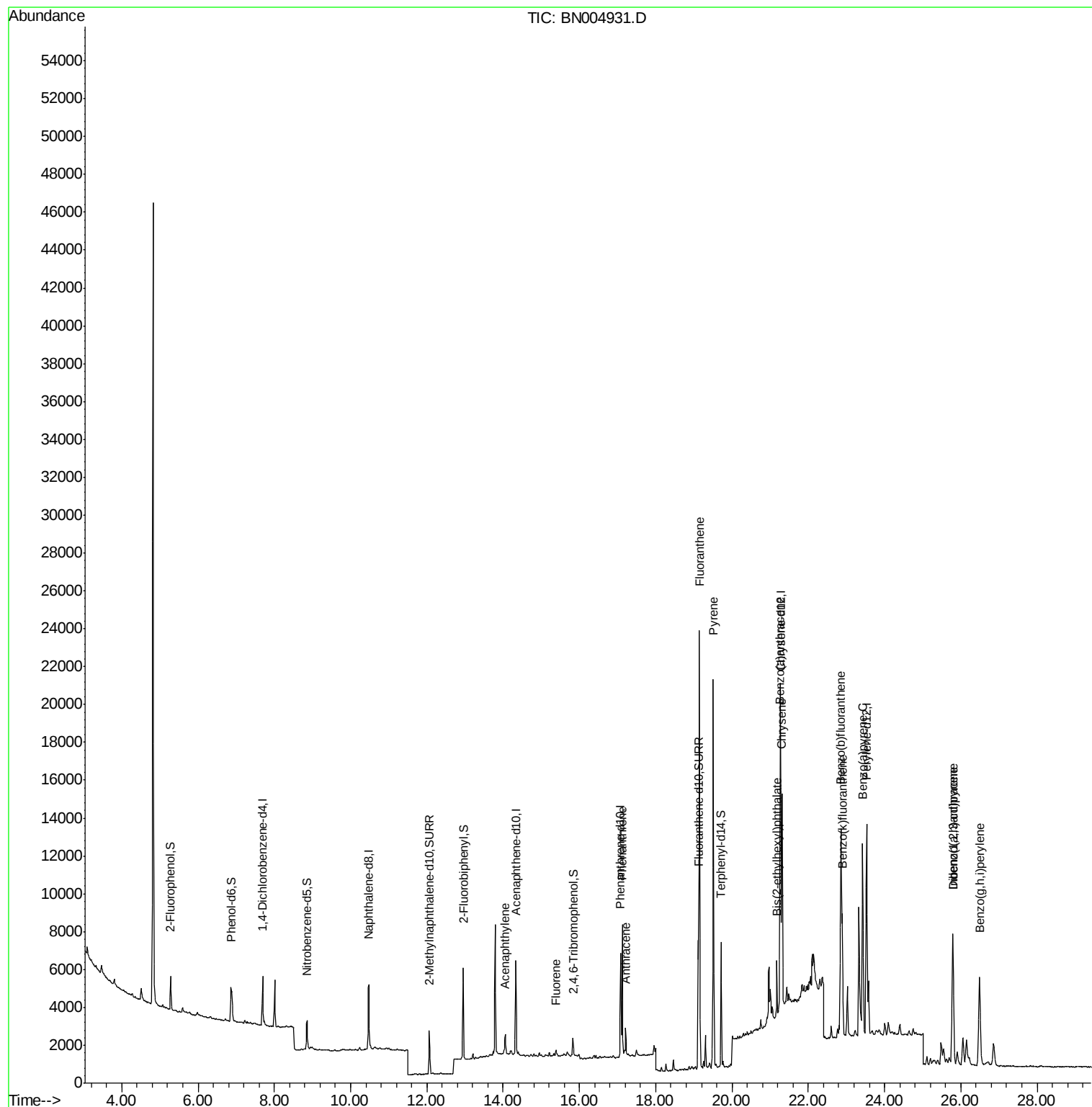
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\
Data File : BN004931.D
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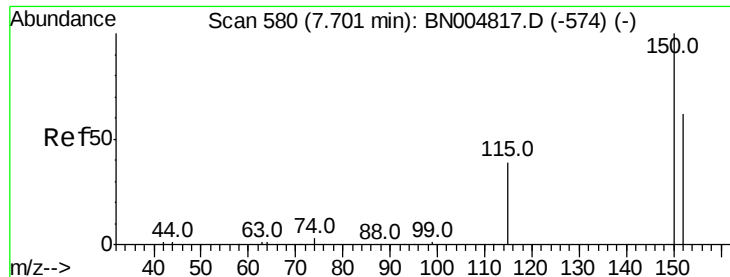
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#1

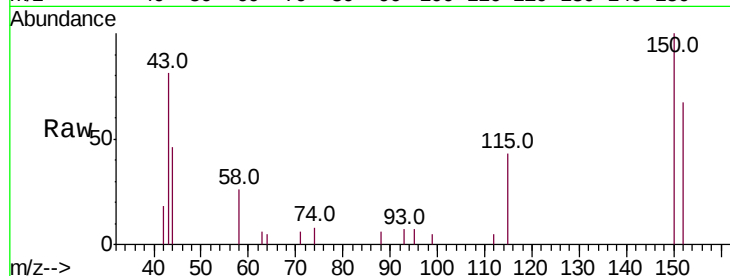
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004931.D
Acq: 23 Mar 2019 21:25

Instrument :
BNA_N
ClientSampleId :
PST-072-SW090-031919

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.9	126.2	189.4
115	64.0	52.6	79.0

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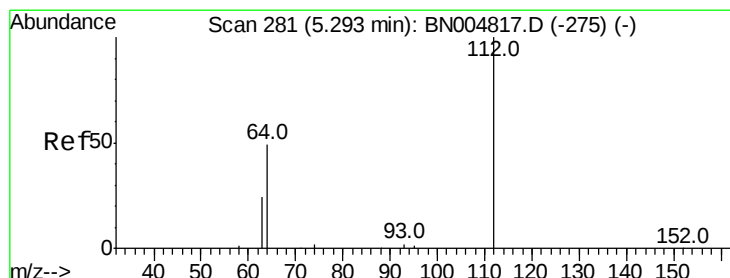
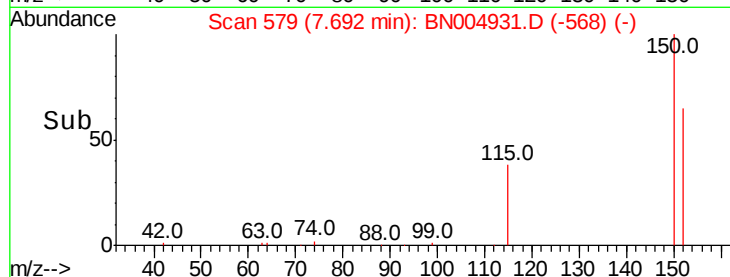
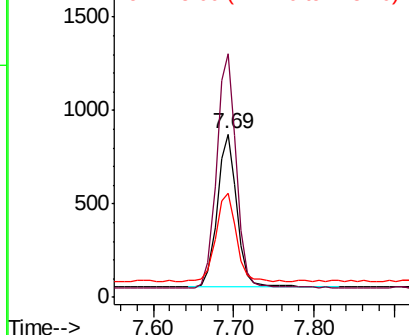


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

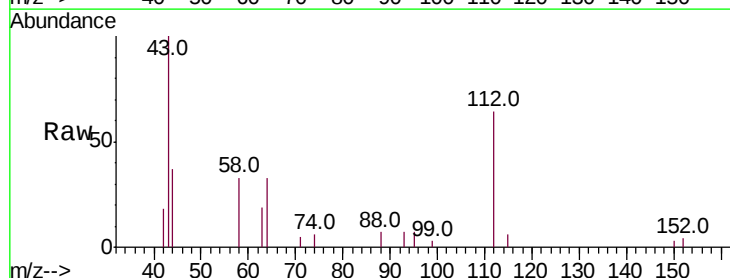
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.431 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004931.D
Acq: 23 Mar 2019 21:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	40.0	60.0
63	26.4	20.2	30.2

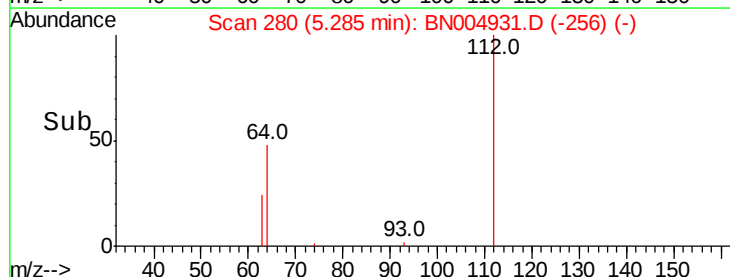
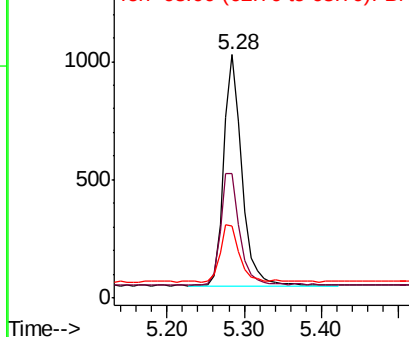


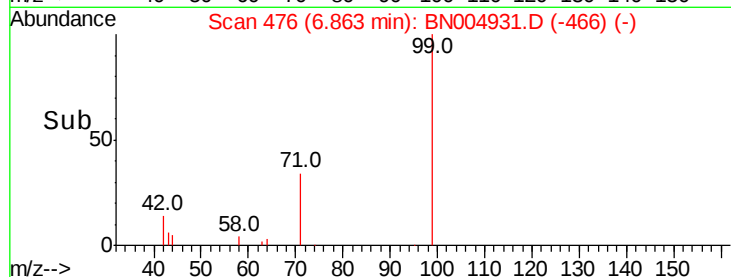
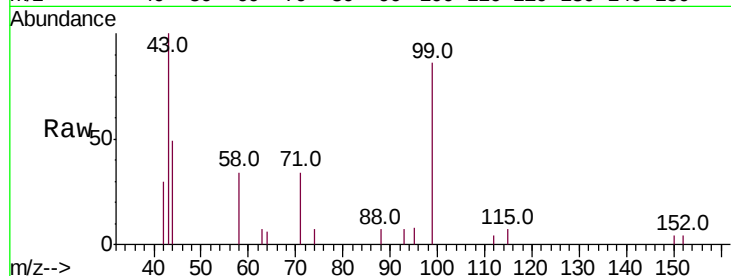
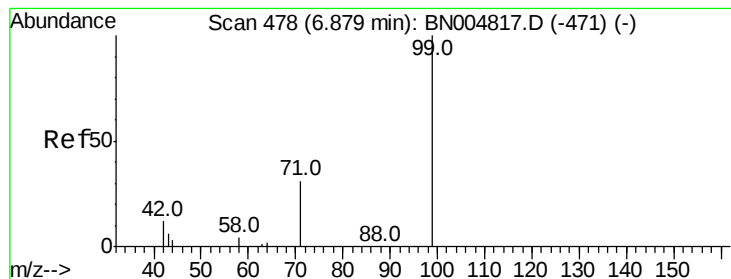
Abundance

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: 0.442 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Tot Ion:	99	Resp:	2027
Ion Ratio	Lower	Upper	
99	100		
42	17.6	12.7	19.1
71	32.2	26.6	40.0

Instrument :

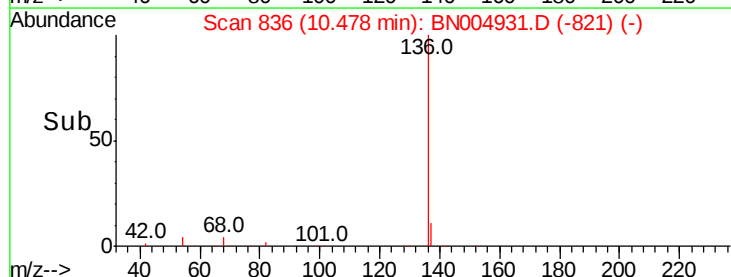
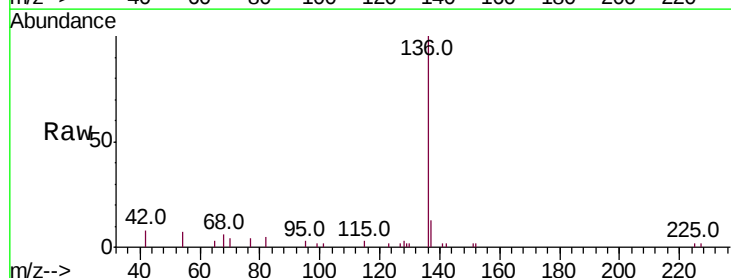
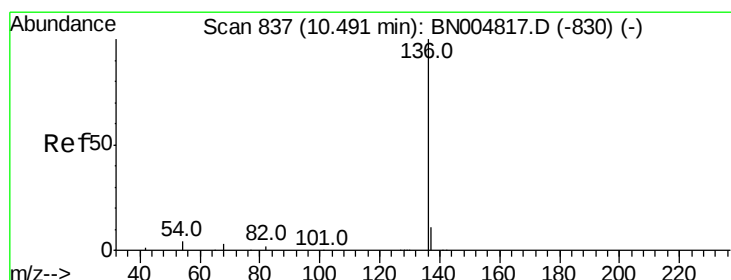
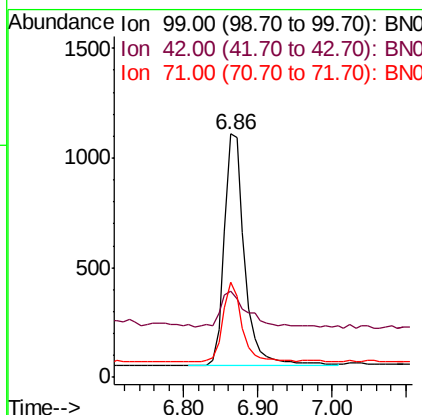
BNA_N

ClientSampleId :

PST-072-SW090-031919

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#7

Naphthalene-d8

Concen: 0.400 ng

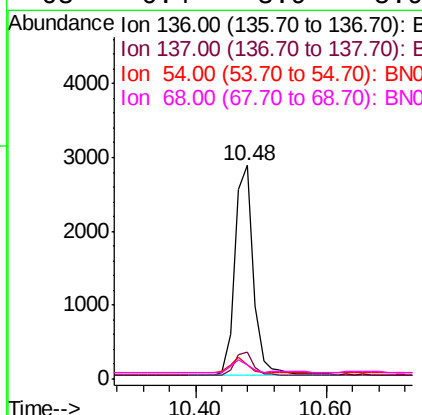
RT: 10.48 min Scan# 836

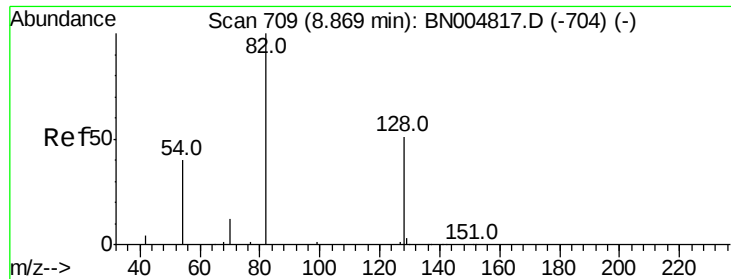
Delta R.T. -0.01 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Tgt Ion:	136	Resp:	5557
Ion Ratio	Lower	Upper	
136	100		
137	12.5	9.6	14.4
54	6.7	4.2	6.2#
68	6.4	3.9	5.9#





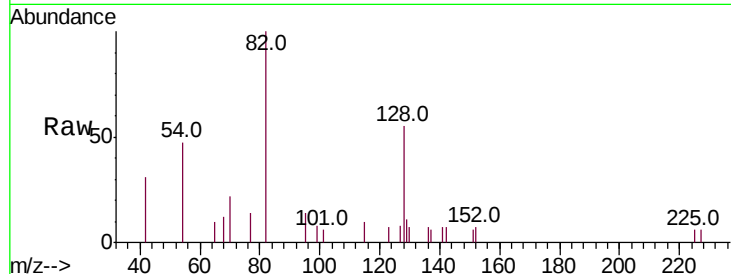
#8
 Nitrobenzene-d5
 Concen: 0.429 ng
 RT: 8.86 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: BN004931.D
 Acq: 23 Mar 2019 21:25

Instrument :
 BNA_N
 ClientSampleId :
 PST-072-SW090-031919

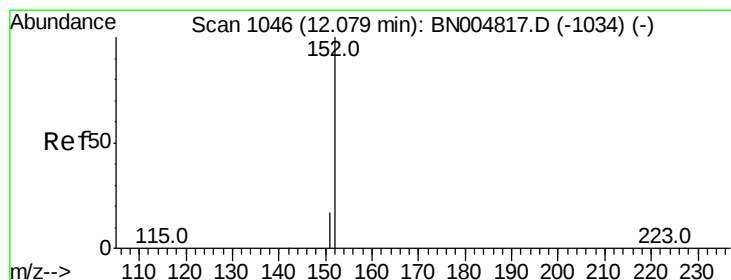
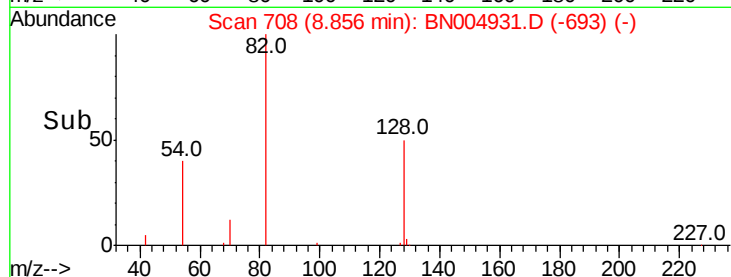
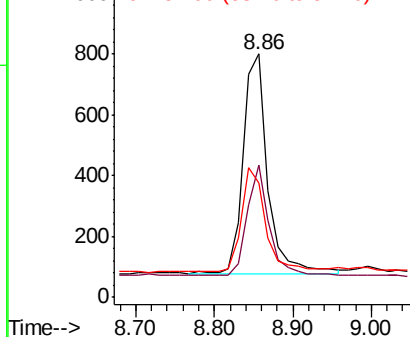
Tot Ion	Ratio	Lower	Upper
82	100		
128	54.6	43.0	64.6
54	46.9	35.3	52.9

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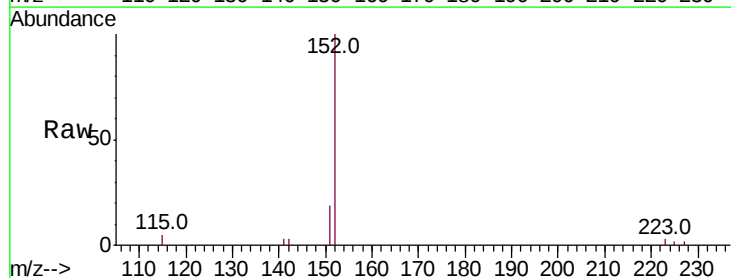


Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)
 Ion 128.00 (127.70 to 128.70): BN004817.D (-704) (-)
 Ion 54.00 (53.70 to 54.70): BN004817.D (-704) (-)

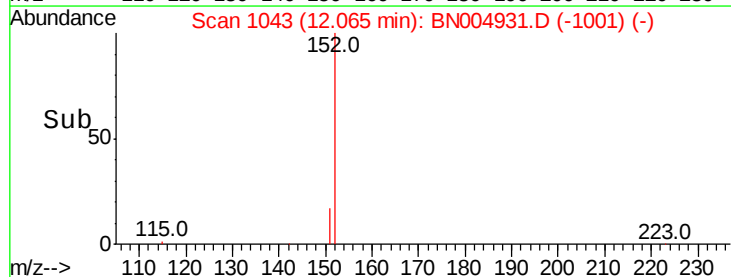
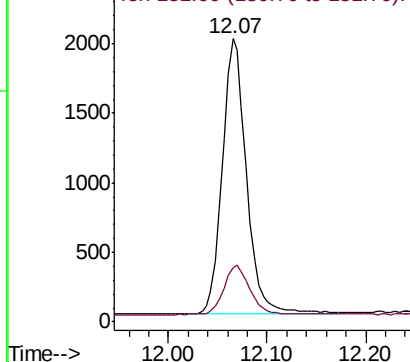


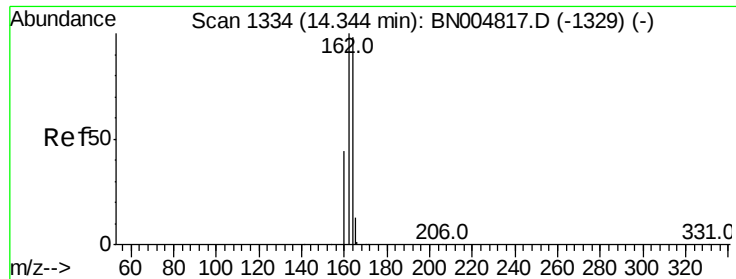
#11
 2-Methylnaphthalene-d10
 Concen: 0.347 ng
 RT: 12.07 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BN004931.D
 Acq: 23 Mar 2019 21:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.5	23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004817.D (-1034) (-)
 Ion 151.00 (150.70 to 151.70): BN004817.D (-1034) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

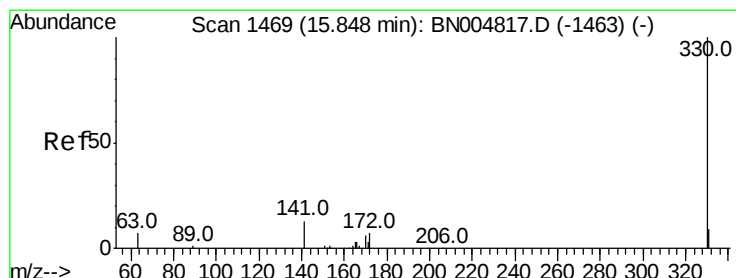
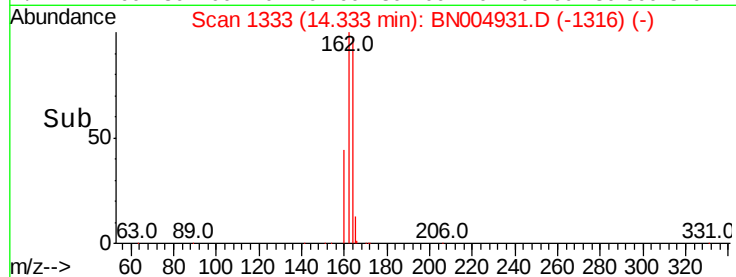
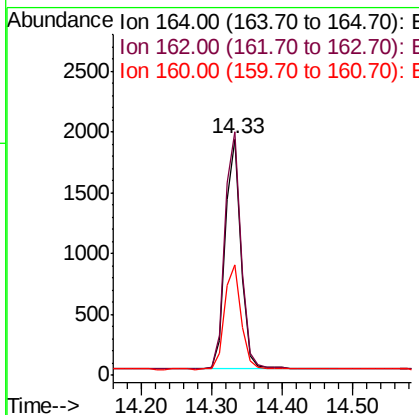
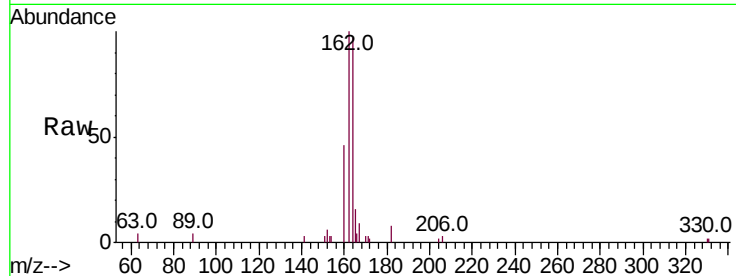
ClientSampleId :

PST-072-SW090-031919

Tot Ion:	164	Resp:	2993
Ion Ratio	Lower	Upper	
164	100		
162	103.0	81.9	122.9
160	47.0	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.417 ng

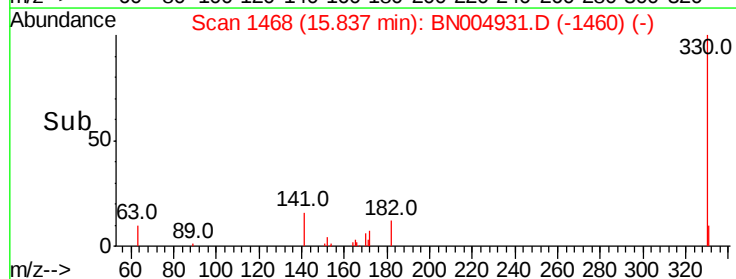
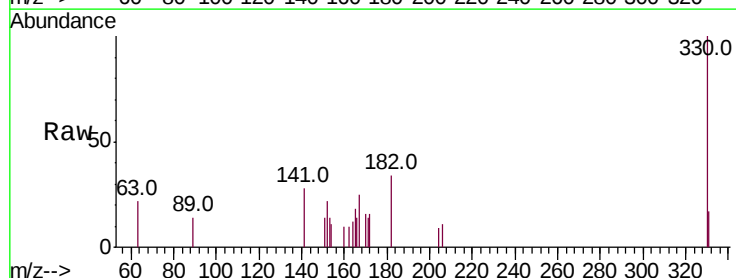
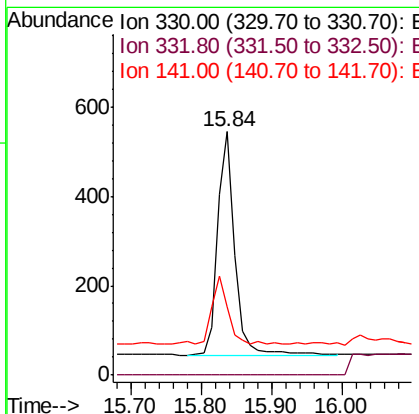
RT: 15.84 min Scan# 1468

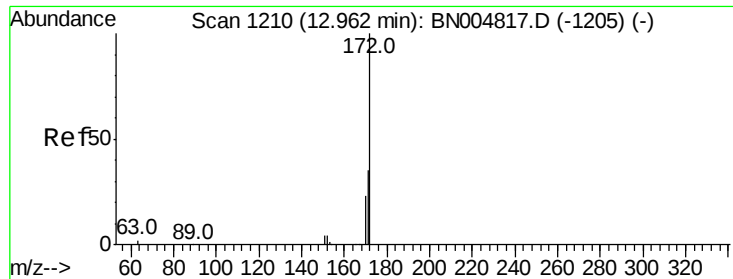
Delta R.T. -0.01 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Tgt Ion:	330	Resp:	862
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	28.8	20.9	31.3





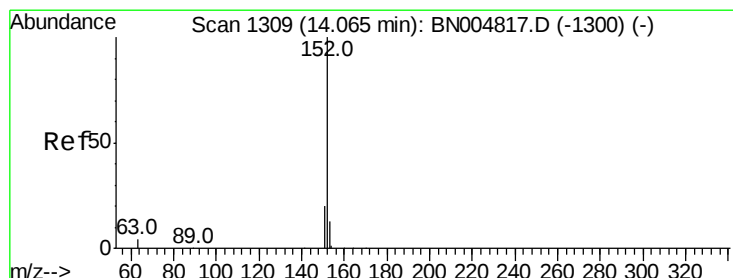
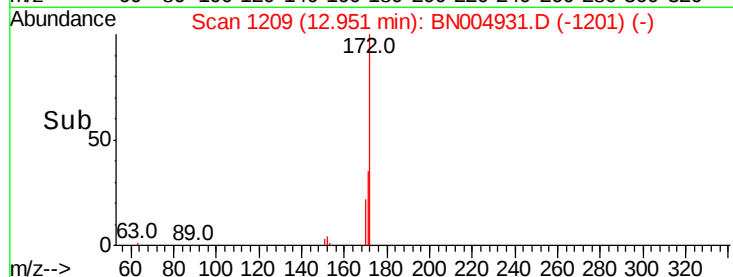
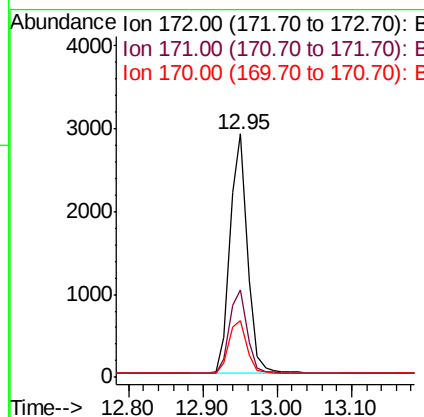
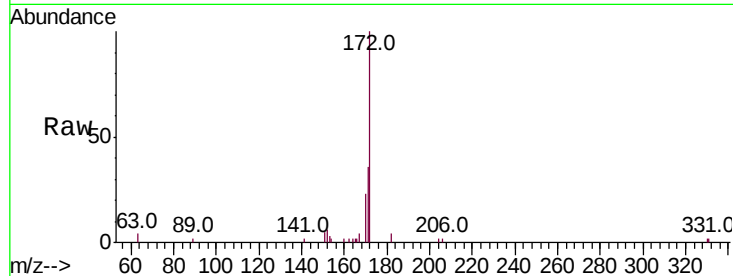
#15
2-Fluorobiphenyl
Concen: 0.380 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004931.D
Acq: 23 Mar 2019 21:25

Instrument :
BNA_N
ClientSampleId :
PST-072-SW090-031919

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	23.1	18.7	28.1

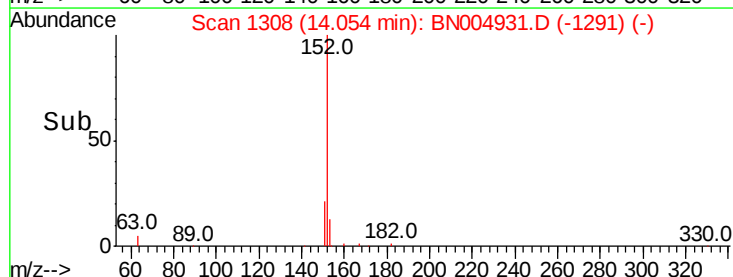
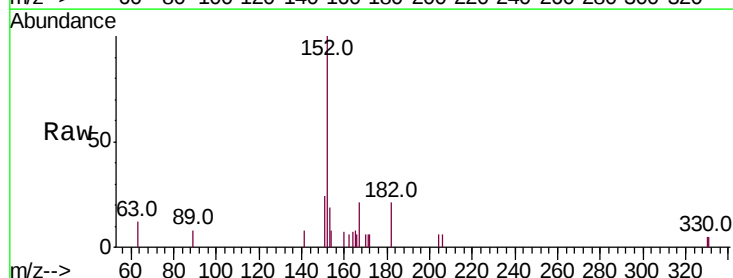
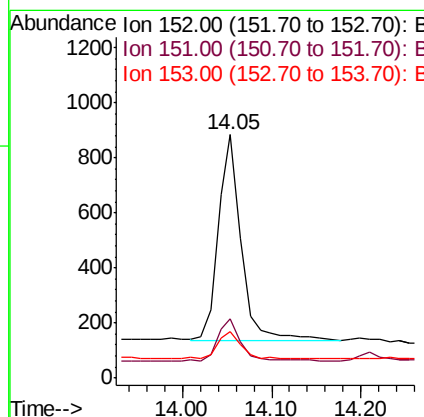
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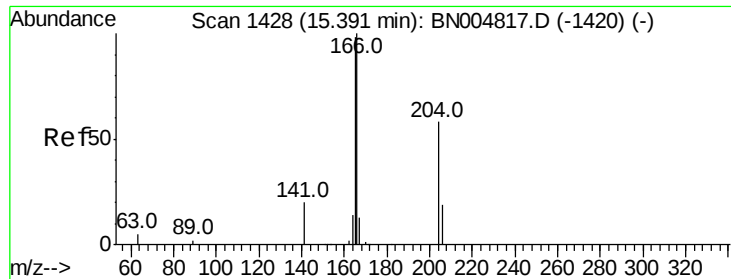
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#16
Acenaphthylene
Concen: 0.088 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004931.D
Acq: 23 Mar 2019 21:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.1	24.1
153	13.1	10.5	15.7





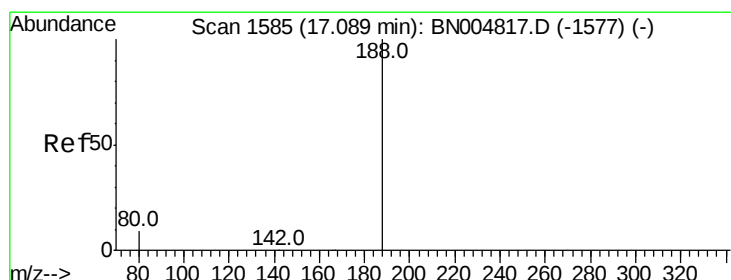
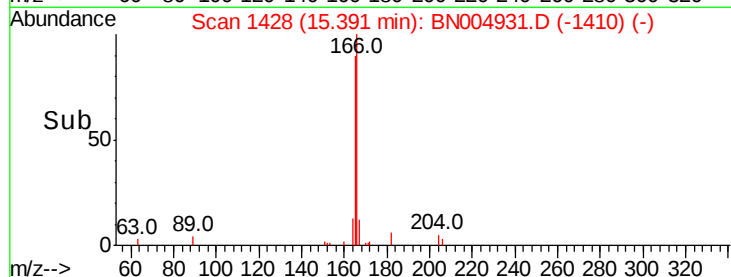
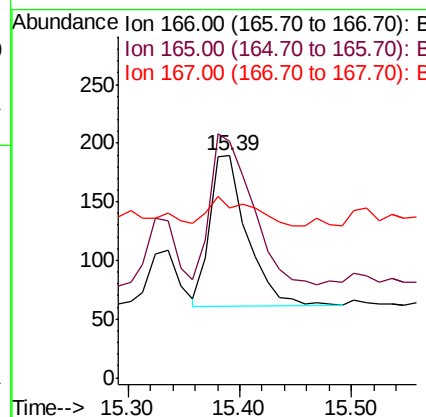
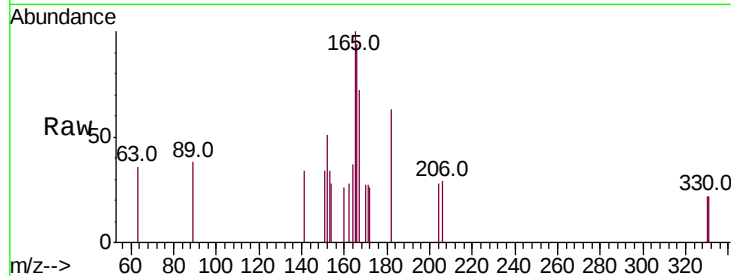
#18
Fluorene
 Concen: 0.021 ng
 RT: 15.39 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: BN004931.D
 Acq: 23 Mar 2019 21:25

Instrument :
 BNA_N
 ClientSampleId :
 PST-072-SW090-031919

Tot Ion	Ratio	Lower	Upper
166	100		
165	111.8	78.2	117.4
167	22.9	11.0	16.4#

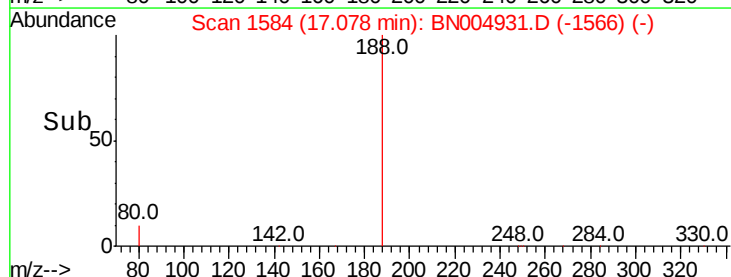
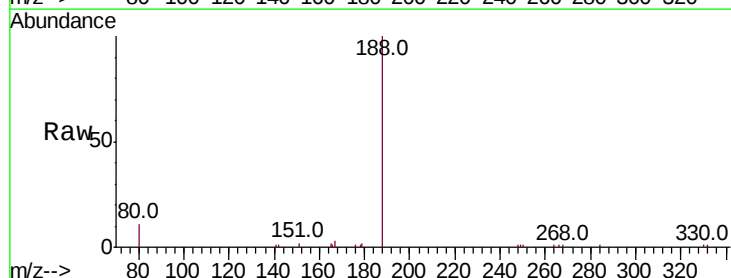
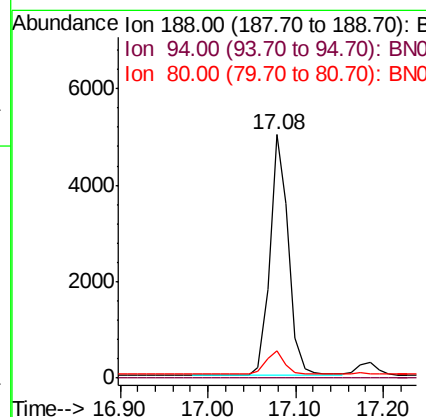
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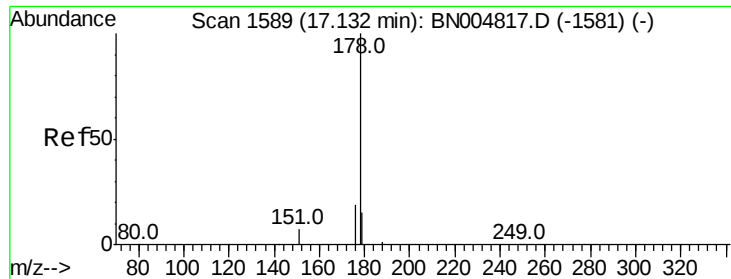
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.08 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BN004931.D
 Acq: 23 Mar 2019 21:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.2	7.4	11.2#





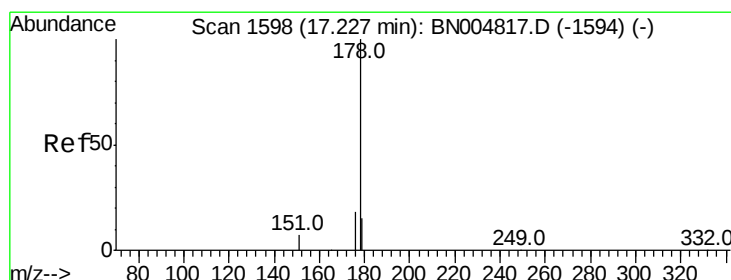
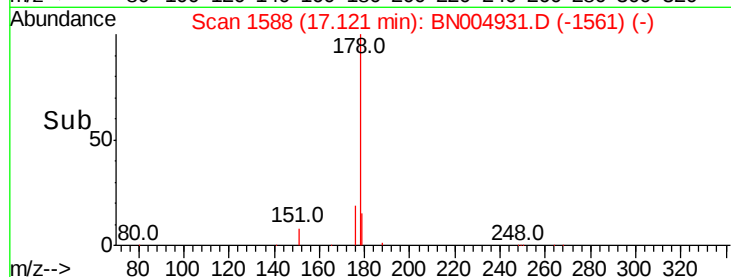
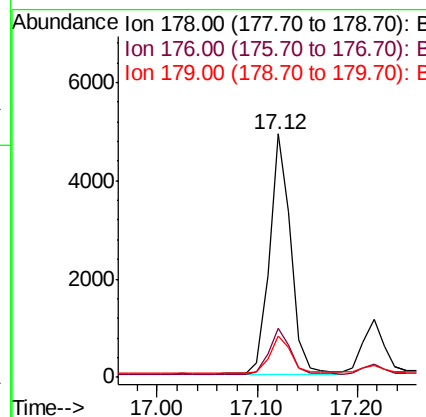
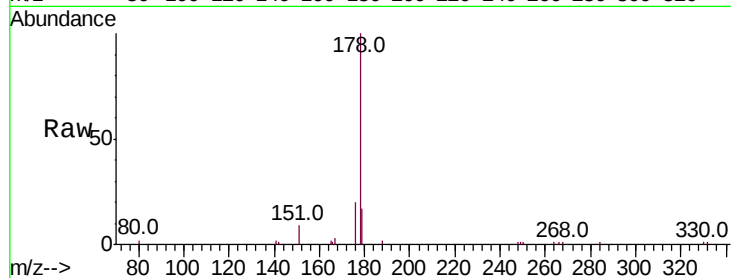
#23
Phenanthrene
Concen: 0.304 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004931.D
Acq: 23 Mar 2019 21:25

Instrument :
BNA_N
ClientSampleId :
PST-072-SW090-031919

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.7	12.1	18.1

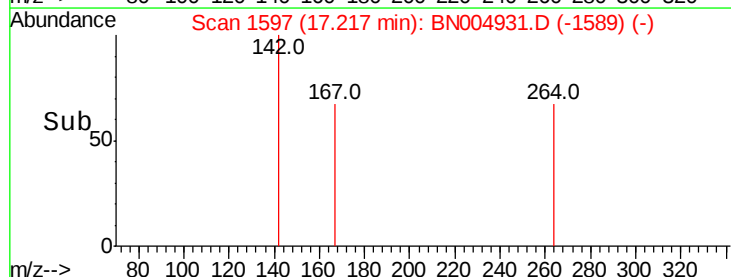
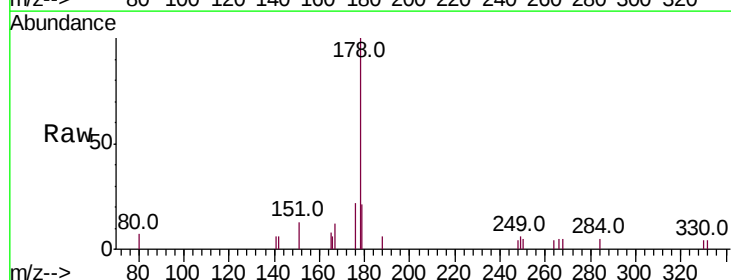
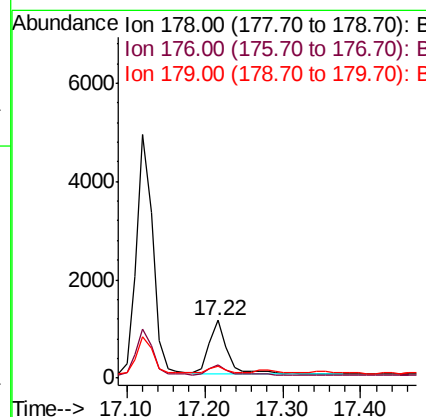
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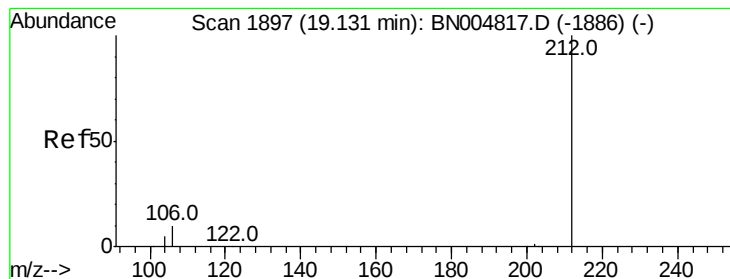
Sohil
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#24
Anthracene
Concen: 0.083 ng
RT: 17.22 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BN004931.D
Acq: 23 Mar 2019 21:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.5	21.7
179	13.0	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.375 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.02 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

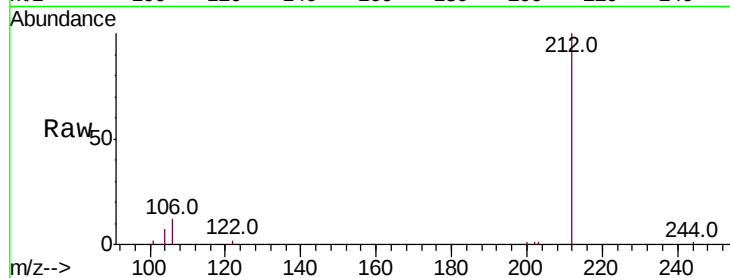
ClientSampleId :

PST-072-SW090-031919

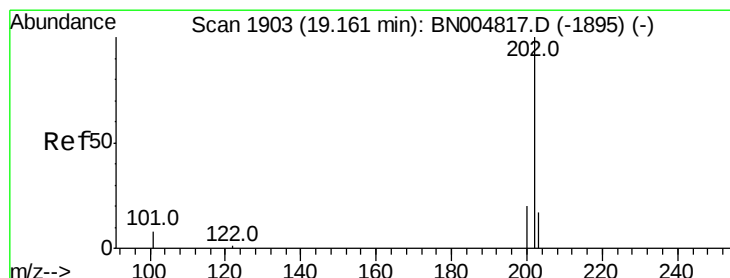
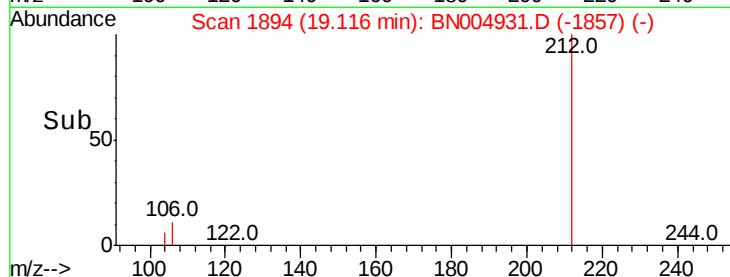
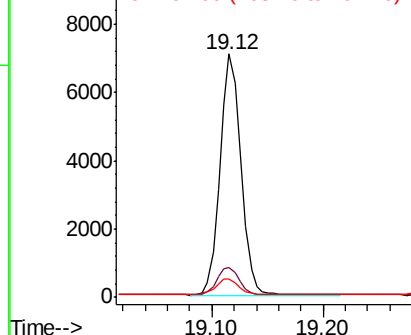
Tot Ion	Ratio	Lower	Upper
212	100		
106	11.9	8.6	13.0
104	7.1	4.7	7.1

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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: 0.670 ng

RT: 19.15 min Scan# 1900

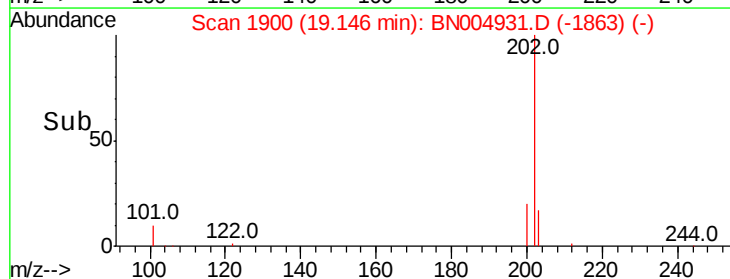
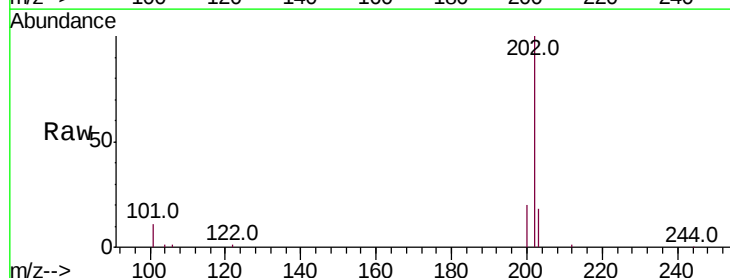
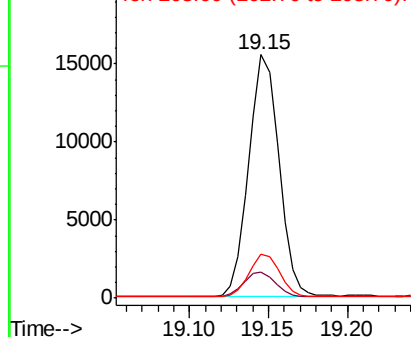
Delta R.T. -0.02 min

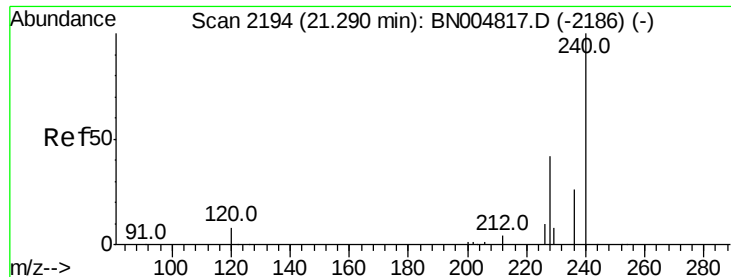
Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	7.5	11.3
203	17.6	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: BN004931.D

Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

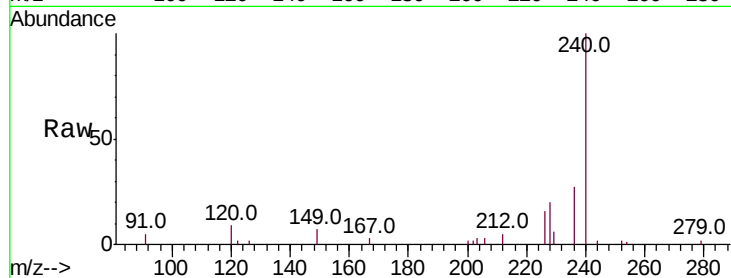
ClientSampleId :

PST-072-SW090-031919

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.2	10.8
236	26.8	20.9	31.3

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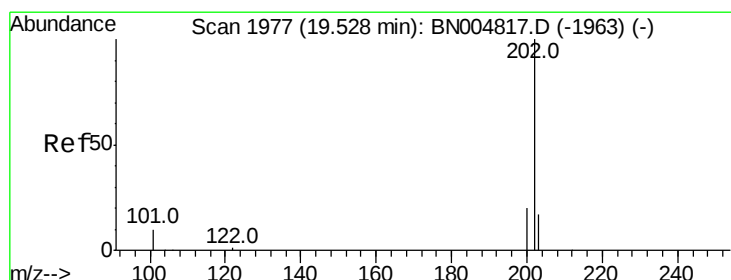
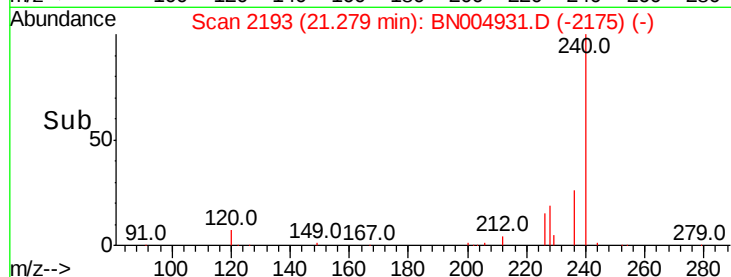
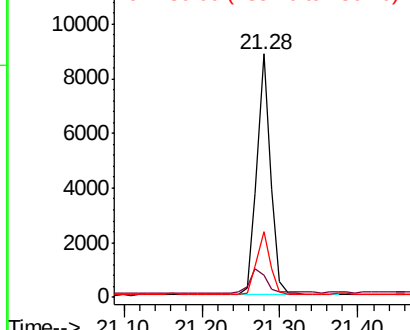


Abundance

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: 0.539 ng

RT: 19.51 min Scan# 1974

Delta R.T. -0.02 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

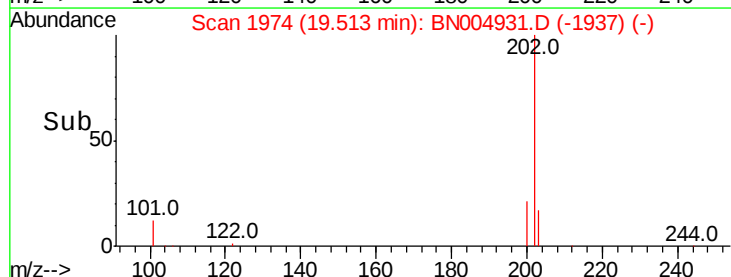
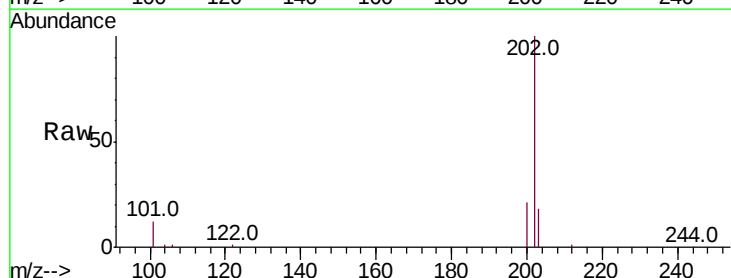
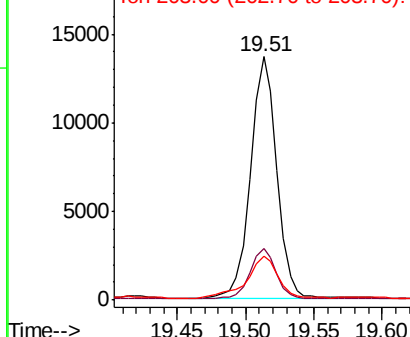
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.3	24.5
203	20.4	14.0	21.0

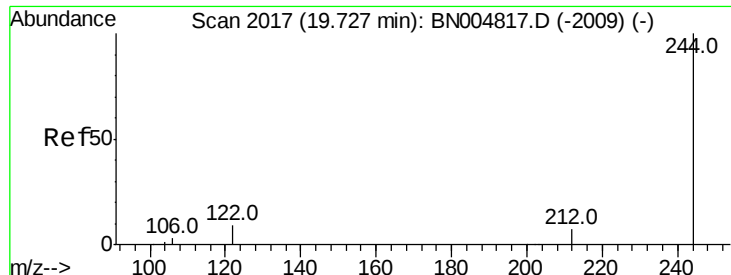
Abundance

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





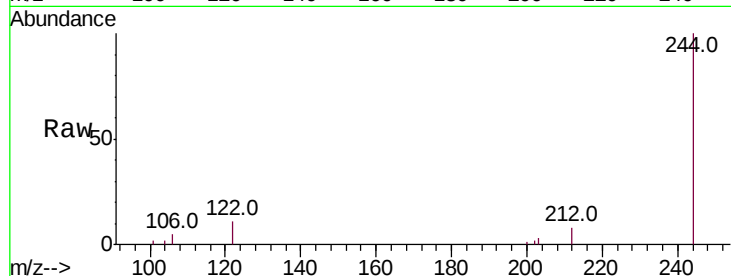
#29
 Terphenyl-d14
 Concen: 0.297 ng
 RT: 19.72 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BN004931.D
 Acq: 23 Mar 2019 21:25

Instrument :
 BNA_N
 ClientSampleId :
 PST-072-SW090-031919

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.6
122	10.8	7.9	11.9

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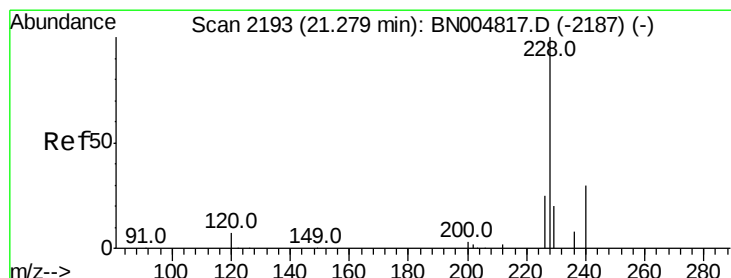
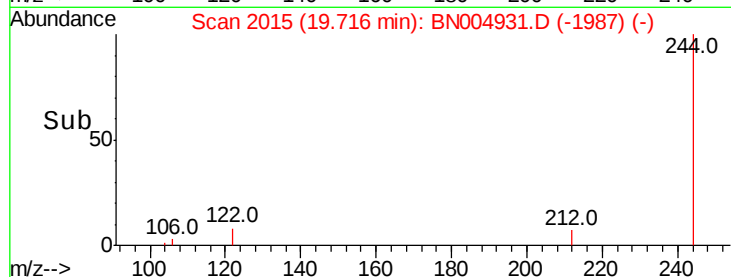
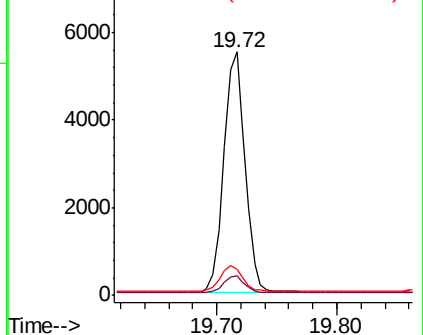


Abundance

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: 0.368 ng
 RT: 21.26 min Scan# 2191
 Delta R.T. -0.02 min
 Lab File: BN004931.D
 Acq: 23 Mar 2019 21:25

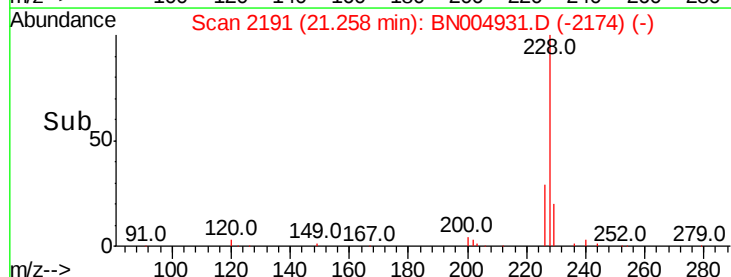
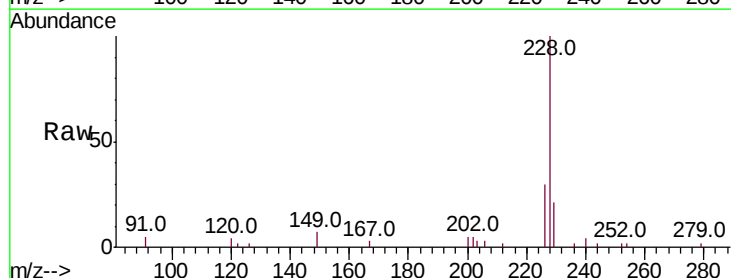
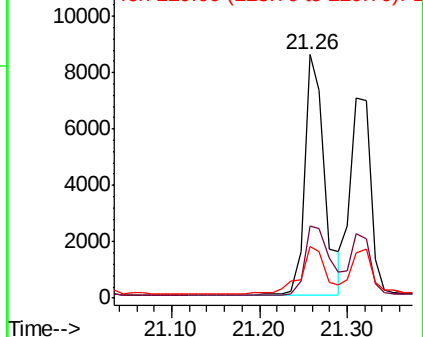
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	20.6	31.0
229	21.4	16.2	24.4

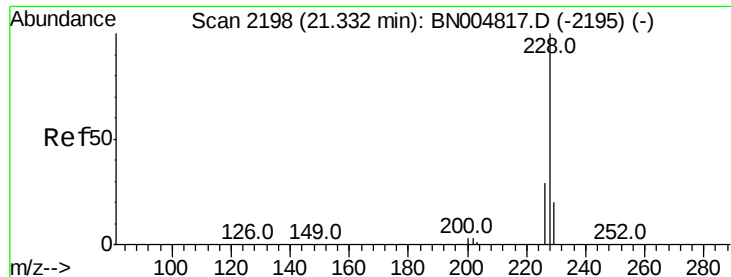
Abundance

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: 0.295 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

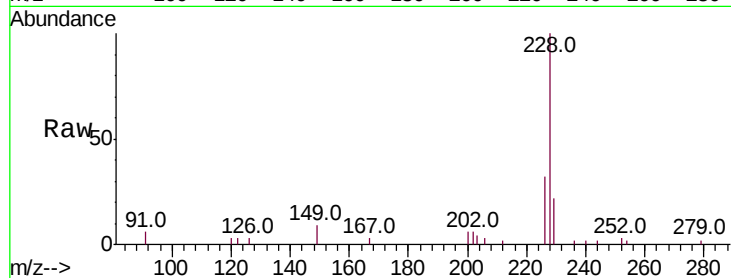
ClientSampleId :

PST-072-SW090-031919

Tot Ion:	228	Resp:	11275
Ion Ratio	Lower	Upper	
228	100		
226	32.1	23.0	34.6
229	22.4	16.2	24.2

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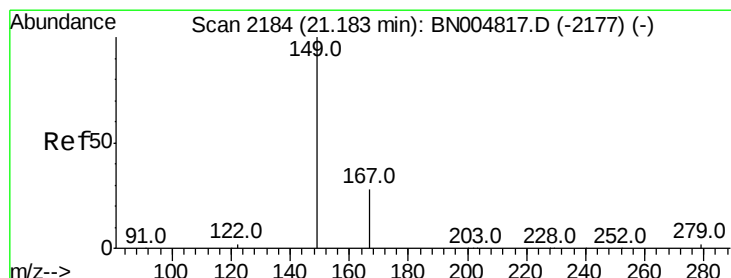
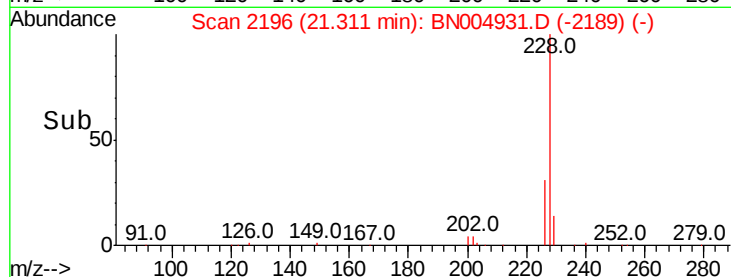
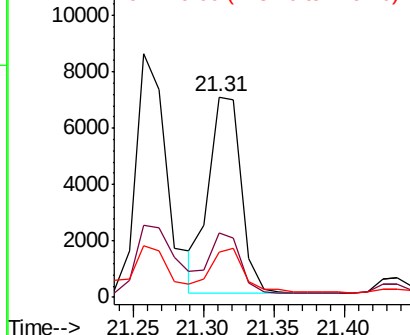


Abundance

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: 0.186 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

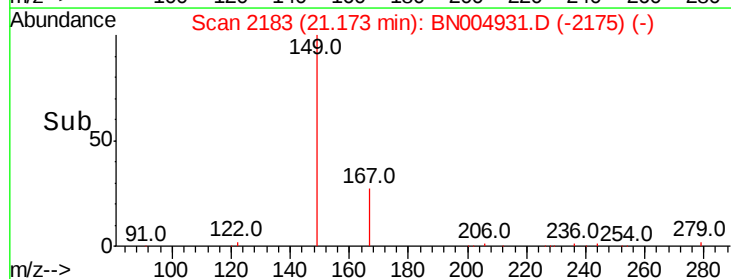
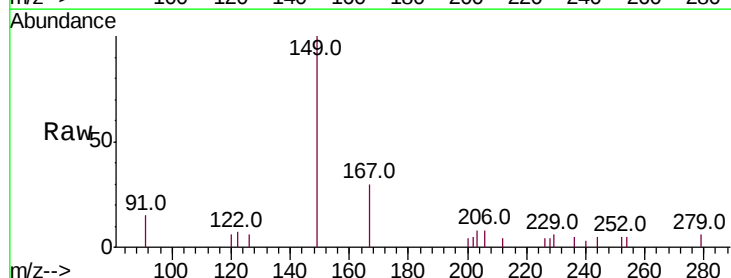
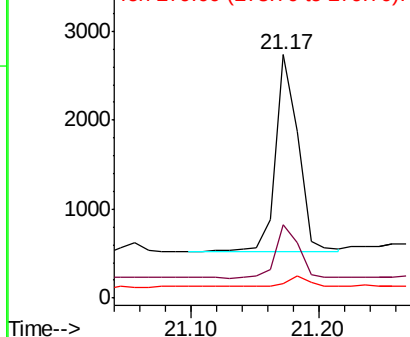
Tgt Ion:	149	Resp:	2693
Ion Ratio	Lower	Upper	
149	100		
167	28.9	23.0	34.4
279	5.1	4.6	6.8

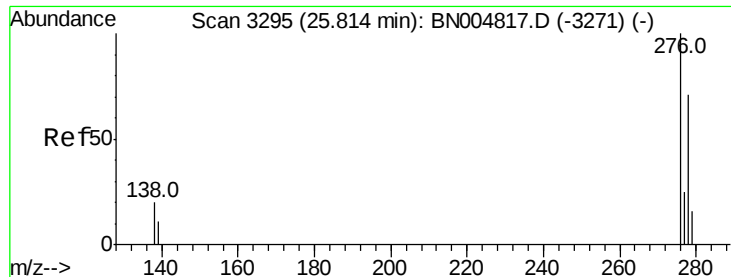
Abundance

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





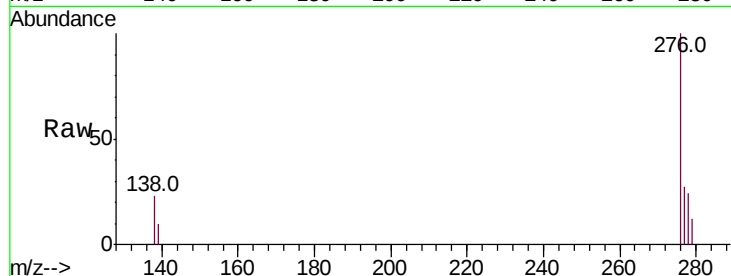
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.198 ng
 RT: 25.79 min Scan# 3288
 Delta R.T. -0.02 min
 Lab File: BN004931.D
 Acq: 23 Mar 2019 21:25

Instrument :
 BNA_N
 ClientSampleId :
 PST-072-SW090-031919

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	16.6	24.8
277	24.6	20.3	30.5

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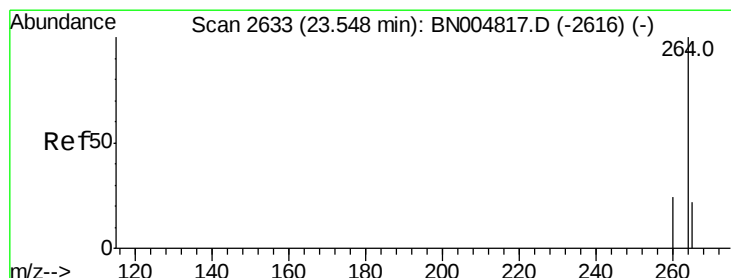
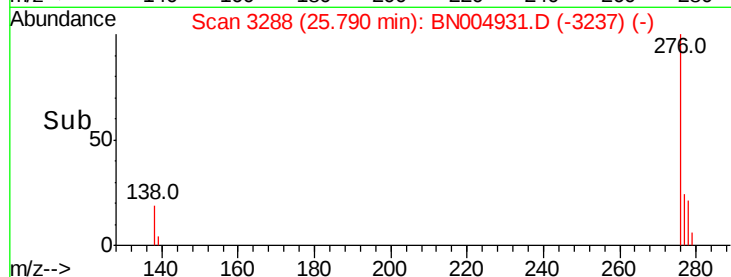
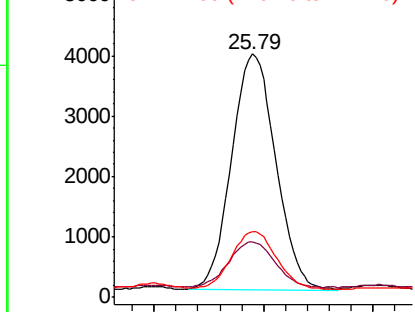


Abundance

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: 23.53 min Scan# 2627
 Delta R.T. -0.02 min
 Lab File: BN004931.D
 Acq: 23 Mar 2019 21:25

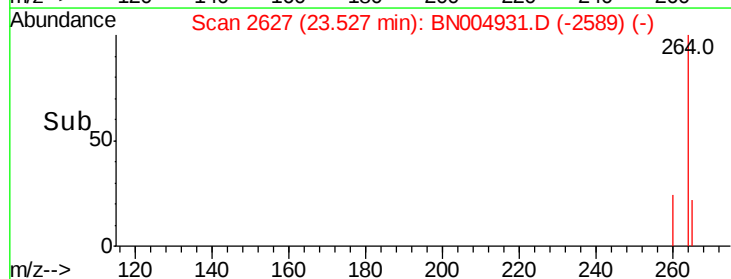
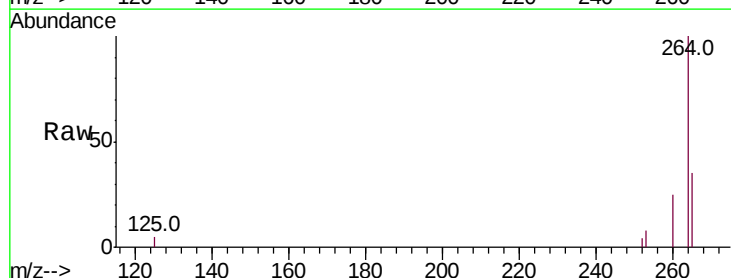
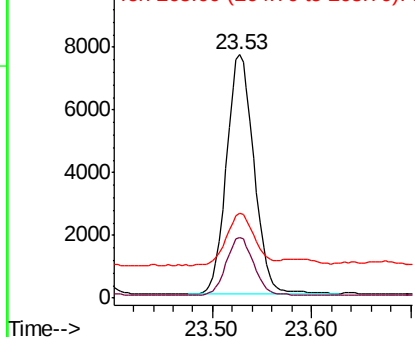
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	34.7	23.1	34.7#

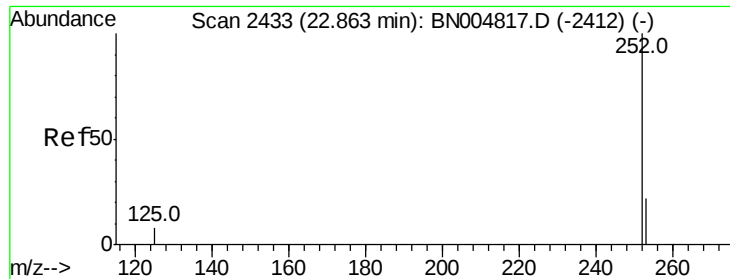
Abundance

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





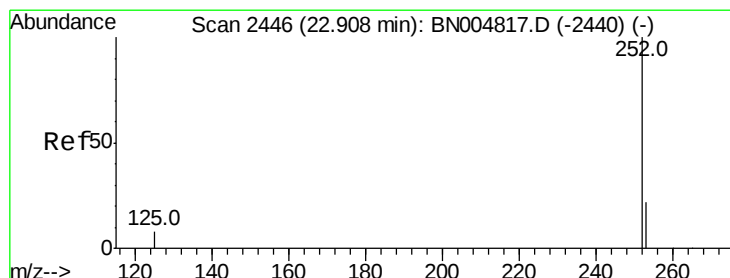
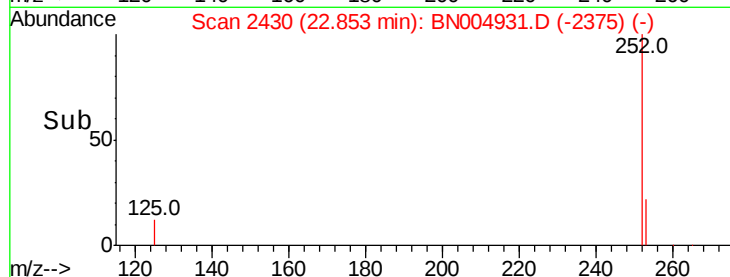
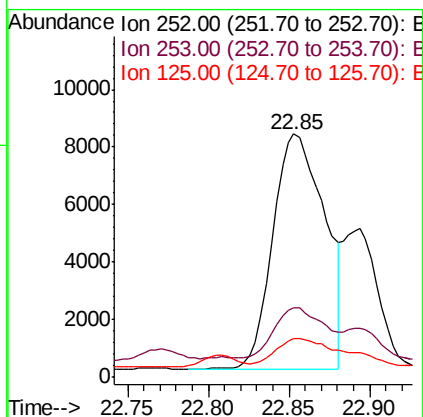
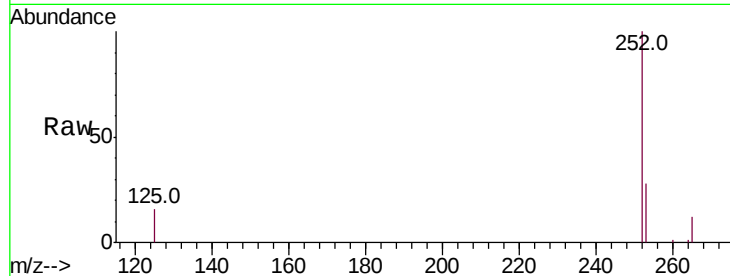
#35
Benzo(b)fluoranthene
Concen: 0.344 ng
RT: 22.85 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BN004931.D
Acq: 23 Mar 2019 21:25

Instrument :
BNA_N
ClientSampleId :
PST-072-SW090-031919

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.3	19.0	28.4
125	15.8	7.4	11.2

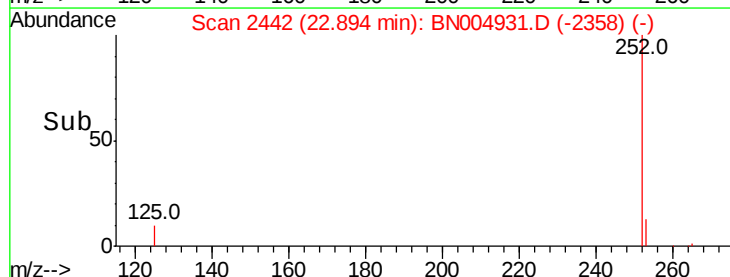
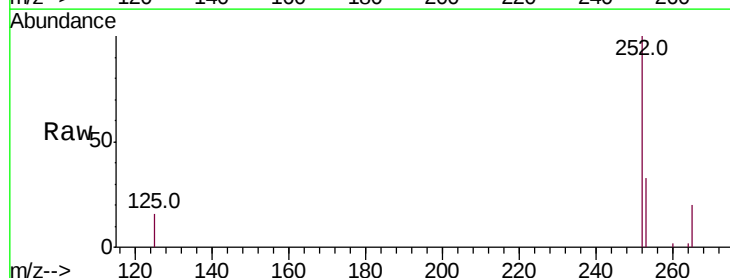
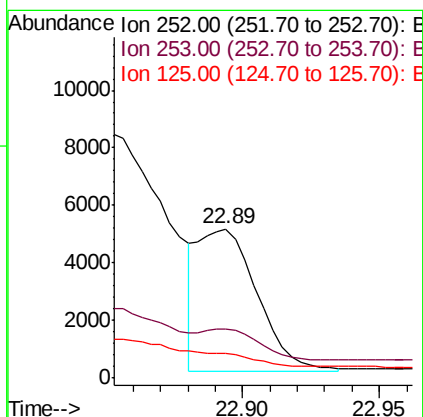
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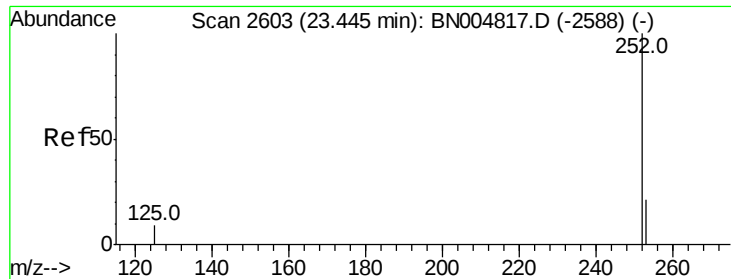
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#36
Benzo(k)fluoranthene
Concen: 0.141 ng m
RT: 22.89 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BN004931.D
Acq: 23 Mar 2019 21:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.0	19.3	28.9
125	16.4	7.4	11.0





#37

Benzo(a)pyrene

Concen: 0.284 ng

RT: 23.43 min Scan# 2598

Delta R.T. -0.02 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

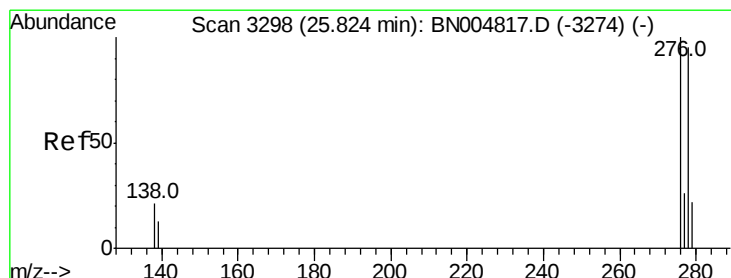
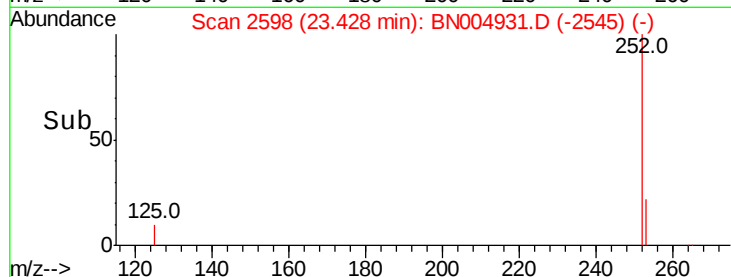
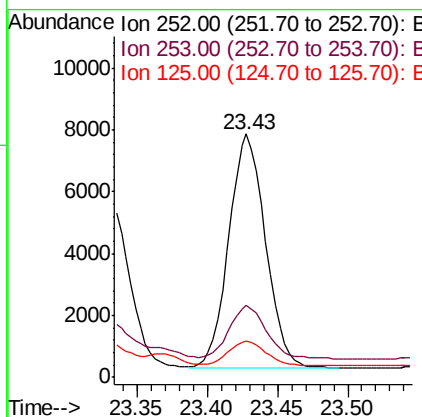
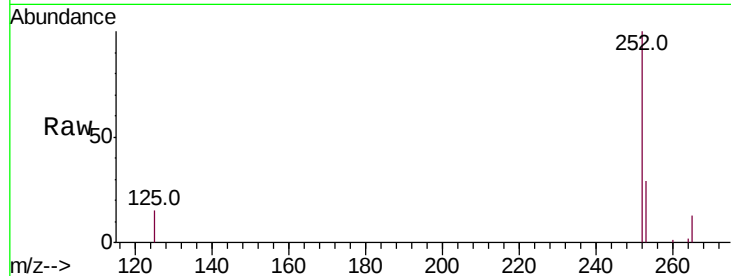
ClientSampleId :

PST-072-SW090-031919

Tot Ion:	252	Resp:	13818
Ion Ratio	Lower	Upper	
252	100		
253	29.4	19.7	29.5
125	14.7	8.3	12.5#

Manual Integrations
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#38

Dibenzo(a,h)anthracene

Concen: 0.054 ng

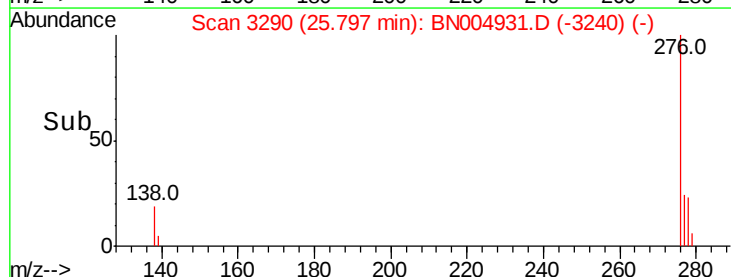
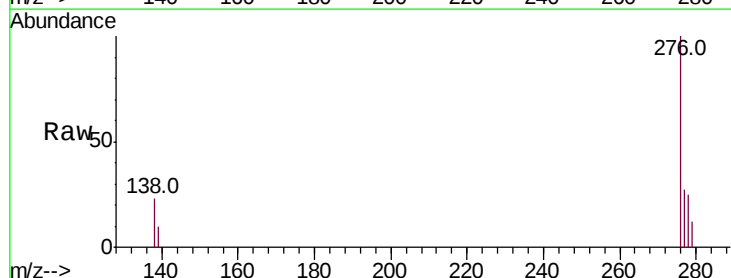
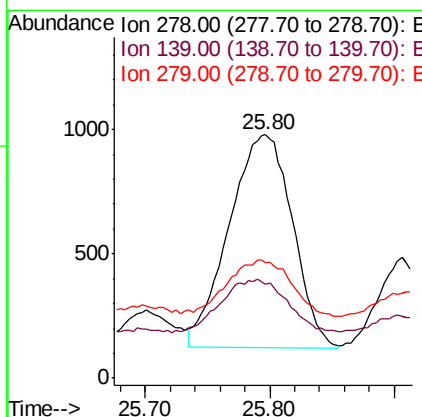
RT: 25.80 min Scan# 3290

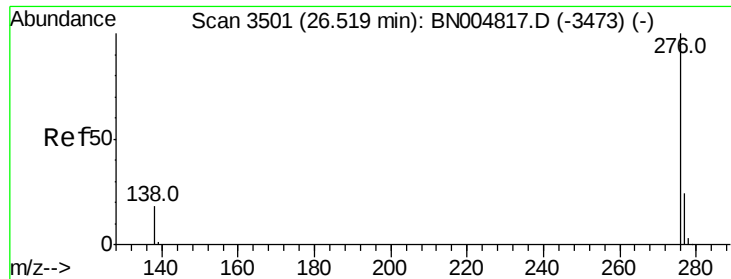
Delta R.T. -0.03 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Tgt Ion:	278	Resp:	3024
Ion Ratio	Lower	Upper	
278	100		
139	38.5	11.7	17.5#
279	47.5	19.9	29.9#





#39

Benzo(a,h,i)perylene

Concen: 0.172 ng

RT: 26.49 min Scan# 3492

Delta R.T. -0.03 min

Lab File: BN004931.D

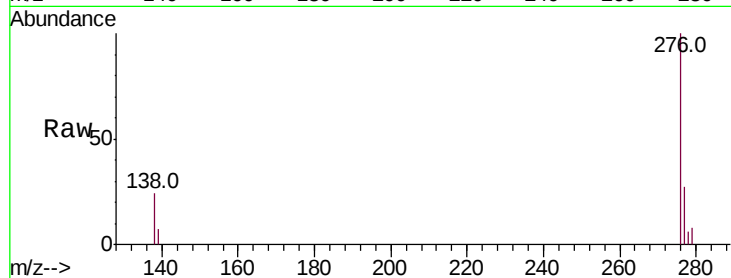
Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

ClientSampleId :

PST-072-SW090-031919



Tot Ion:	276	Resp:	9902
Ion Ratio	Lower	Upper	
276	100		
277	27.2	19.7	29.5
138	23.5	14.6	22.0

Manual Integrations
APPROVED

Sohil
3/25/2019 1:34:47 PM

