

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004915.D
 Acq On : 23 Mar 2019 09:08
 Operator : JU/SJ
 Sample : K1817-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B099-030619

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:57:11 AM

Quant Time: Mar 25 06:46:59 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	4542	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	19627	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	10857	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	25056	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	22081	0.40	ng	-0.01
34) Perylene-d12	23.53	264	20072	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3492	0.28	ng	0.00
5) Phenol-d6	6.86	99	4557	0.30	ng	-0.02
8) Nitrobenzene-d5	8.86	82	3557	0.27	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	6539	0.19	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	1658	0.22	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	9084	0.20	ng	-0.01
25) Fluoranthene-d10	19.12	212	11711	0.14	ng	-0.01
29) Terphenyl-d14	19.72	244	8111	0.18	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.53	128	3582	0.065	ng	95
12) 2-Methylnaphthalene	12.14	142	1431	0.035	ng	# 94
16) Acenaphthylene	14.05	152	4669	0.083	ng	97
17) Acenaphthene	14.39	154	1805	0.049	ng	96
18) Fluorene	15.38	166	2484	0.049	ng	# 91
23) Phenanthrene	17.12	178	67758	0.838	ng	99
24) Anthracene	17.22	178	9250	0.128	ng	# 92
26) Fluoranthene	19.15	202	133024	1.279	ng	99
28) Pyrene	19.51	202	114859	1.706	ng	# 95
30) Benzo(a)anthracene	21.27	228	51856	0.716	ng	96
31) Chrysene	21.32	228	55708	0.730	ng	97
32) Bis(2-ethylhexyl)phthalate	21.18	149	14576	0.504	ng	100
33) Indeno(1,2,3-cd)pyrene	25.80	276	30204	0.274	ng	98
35) Benzo(b)fluoranthene	22.86	252	64899	0.894	ng	# 94
36) Benzo(k)fluoranthene	22.90	252	22010m	0.308	ng	
37) Benzo(a)pyrene	23.43	252	42567	0.639	ng	# 97
38) Dibenzo(a,h)anthracene	25.80	278	8247	0.107	ng	# 66
39) Benzo(a,h,i)perylene	26.49	276	32772	0.417	ng	95

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

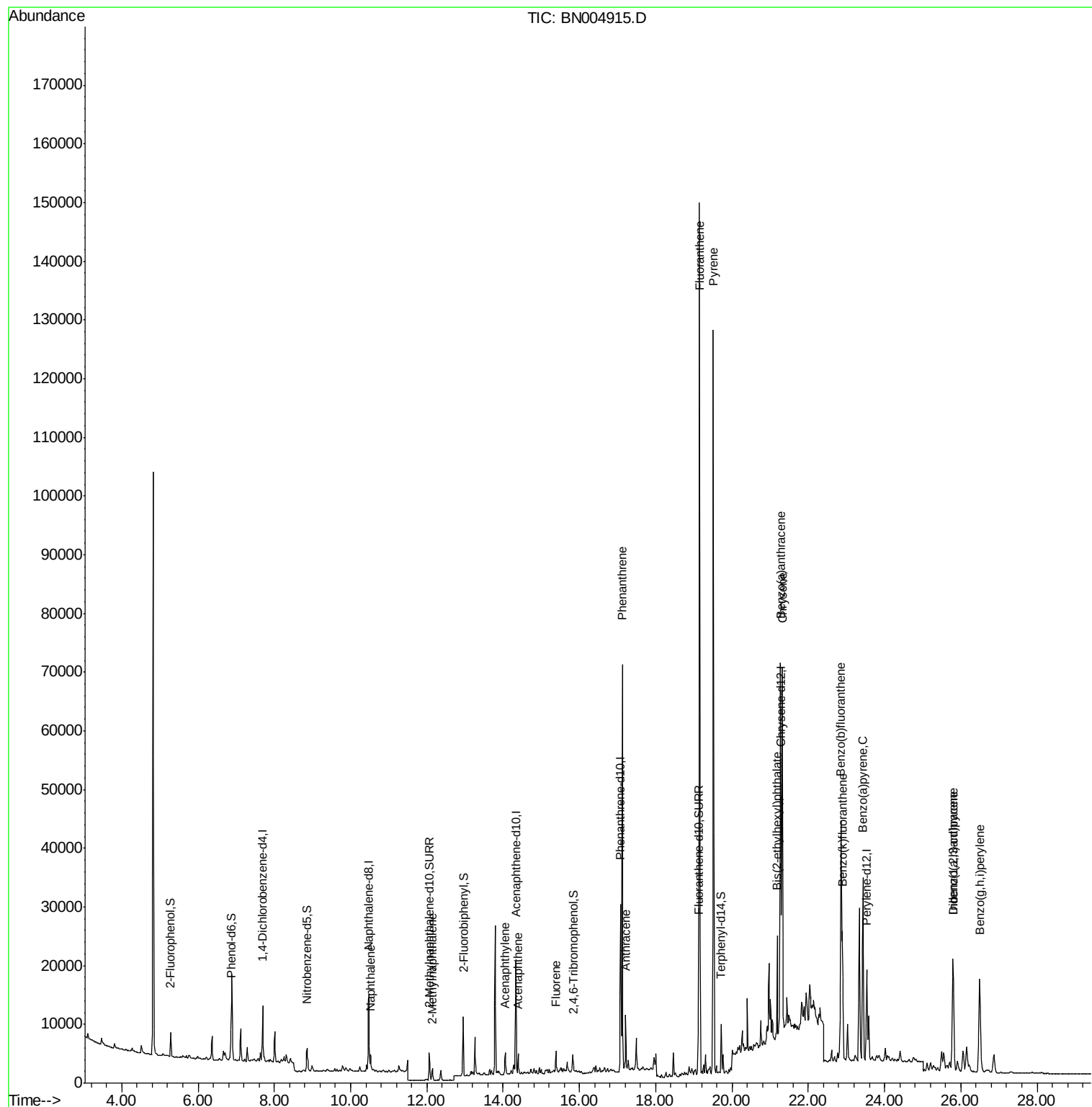
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
Data File : BN004915.D
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Sample : K1817-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

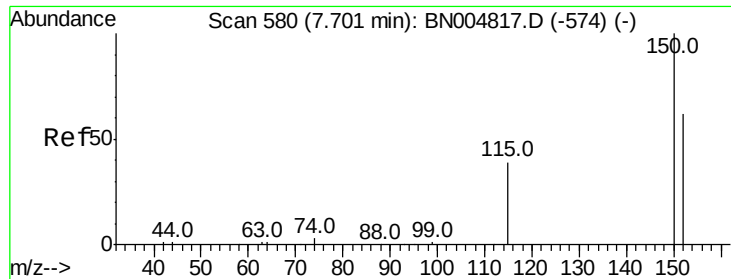
Instrument :
BNA_N
ClientSampleId :
PST-028-B099-030619

Manual Integrations
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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: BN004915.D

Acq: 23 Mar 2019 09:08

Instrument :

BNA_N

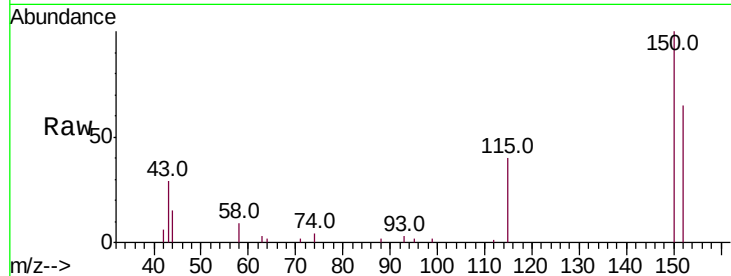
ClientSampleId :

PST-028-B099-030619

Tot Ion:	152	Resp:	4542
Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.2	189.4
115	61.1	52.6	79.0

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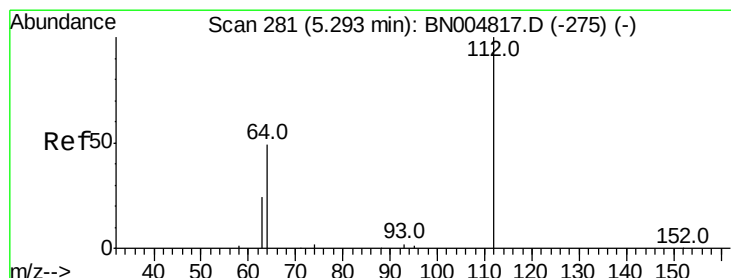
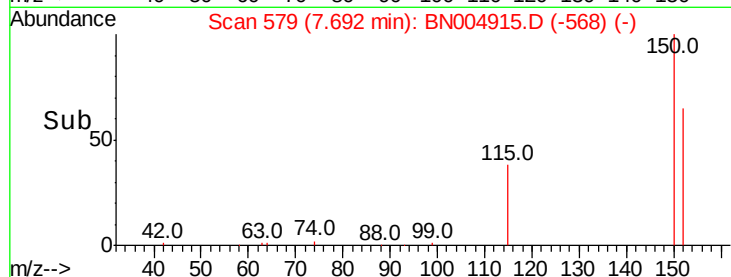
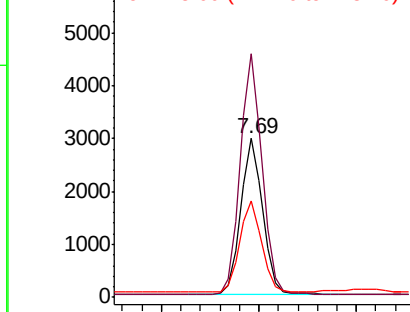


Abundance

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: 0.283 ng

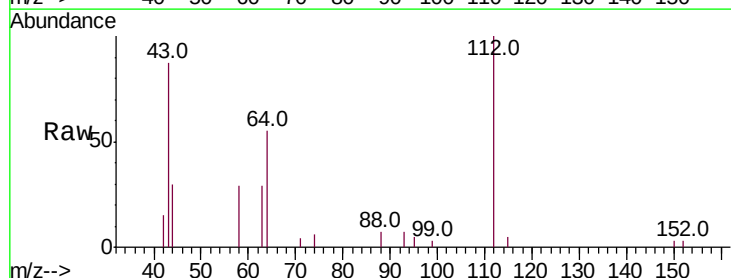
RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Tgt Ion:	112	Resp:	3492
Ion	Ratio	Lower	Upper
112	100		
64	52.3	40.0	60.0
63	26.9	20.2	30.2

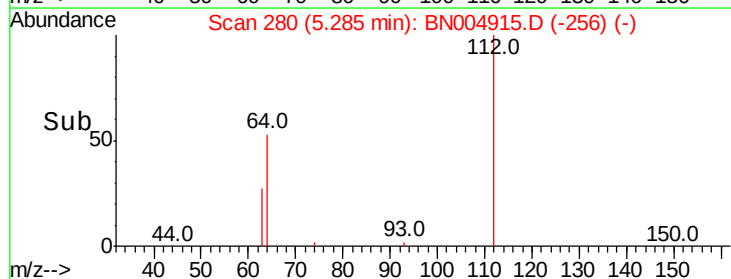
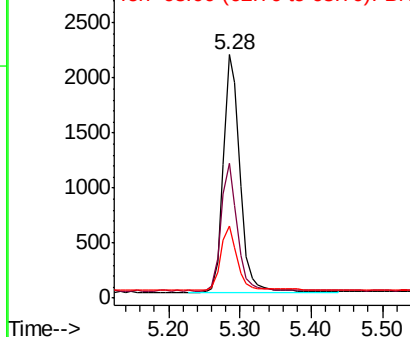


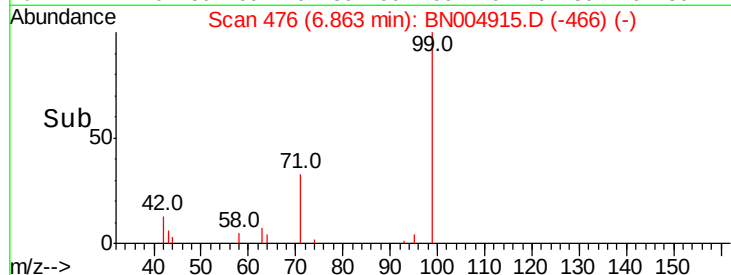
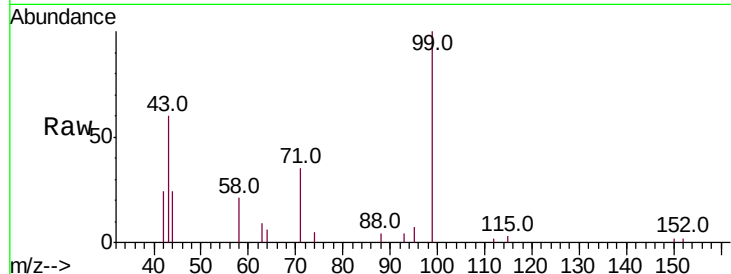
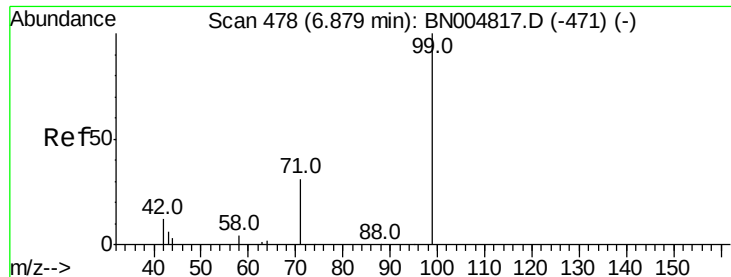
Abundance

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: 0.296 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Instrument :

BNA_N

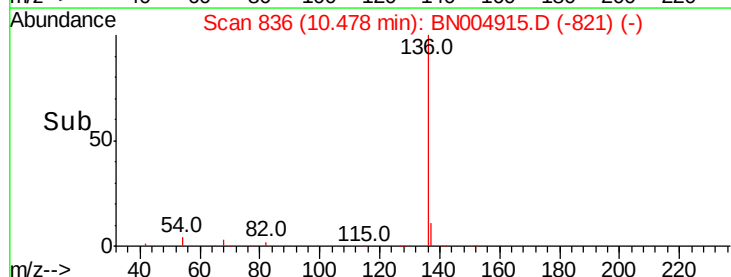
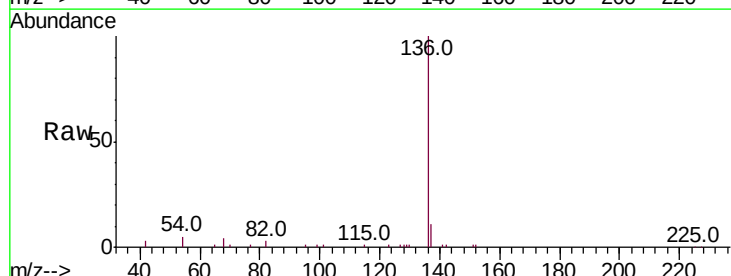
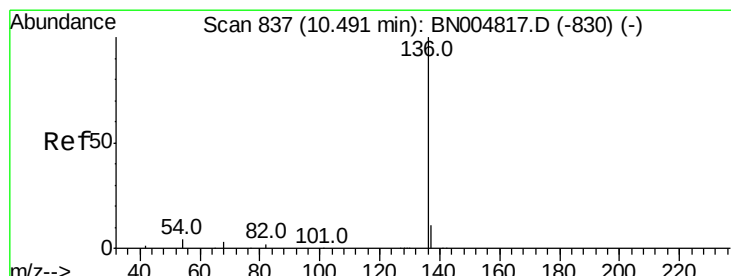
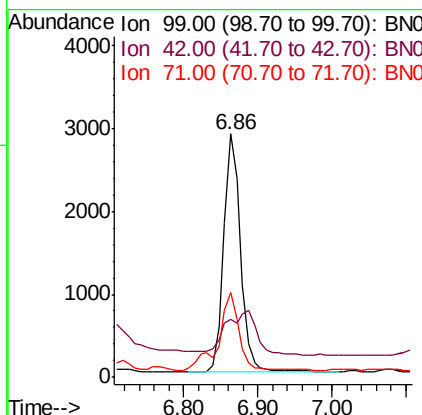
ClientSampleId :

PST-028-B099-030619

Tot Ion:	99	Resp:	4557
Ion Ratio	Lower	Upper	
99	100		
42	0.0	12.7	19.1#
71	39.5	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

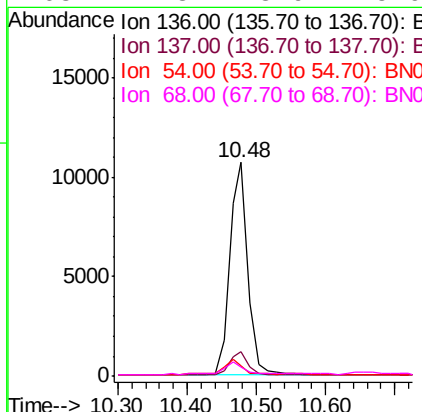
RT: 10.48 min Scan# 836

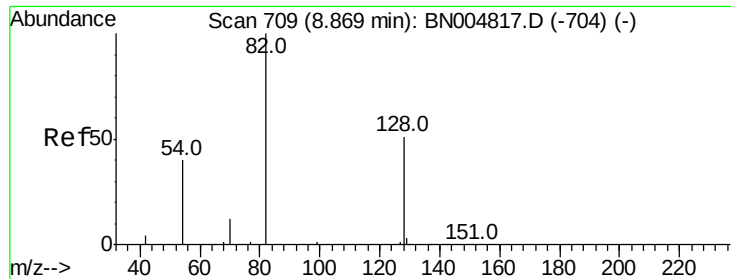
Delta R.T. -0.01 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Tgt Ion:	136	Resp:	19627
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.6	14.4
54	4.8	4.2	6.2
68	4.3	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.274 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Instrument :

BNA_N

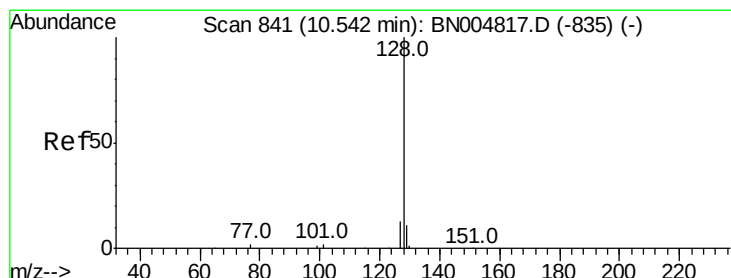
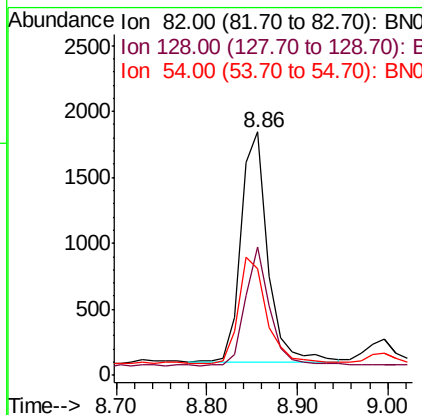
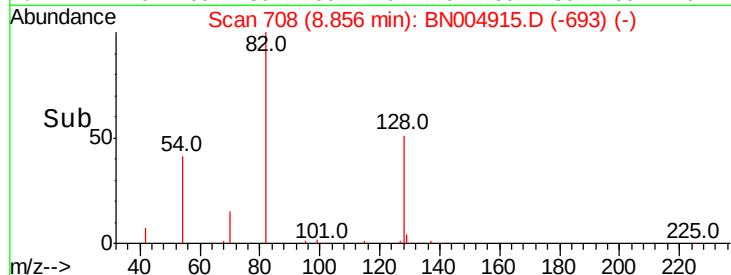
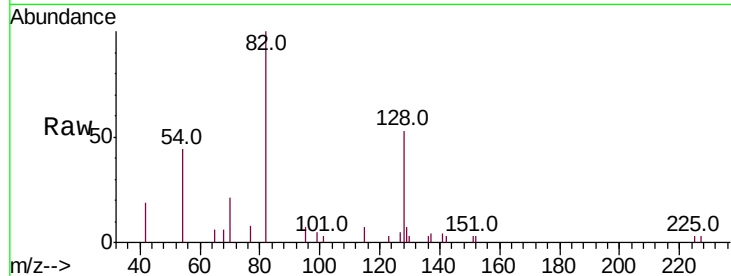
ClientSampleId :

PST-028-B099-030619

Tot Ion:	82	Resp:	3557
Ion Ratio	Lower	Upper	
82	100		
128	52.6	43.0	64.6
54	43.7	35.3	52.9

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#9

Naphthalene

Concen: 0.065 ng

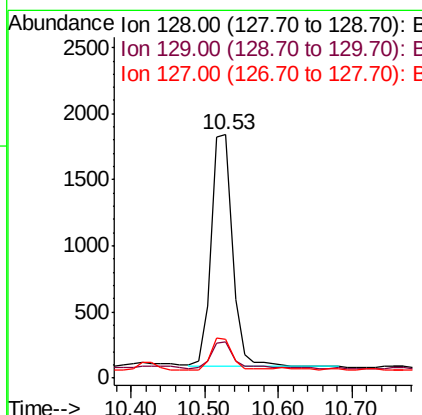
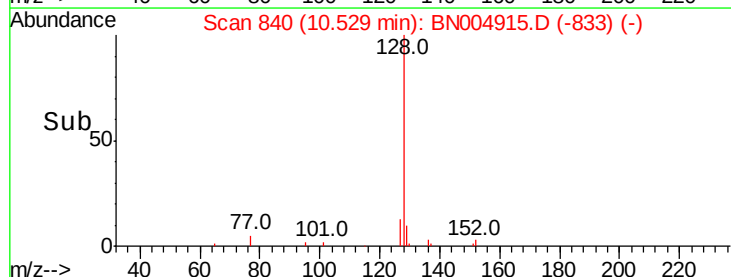
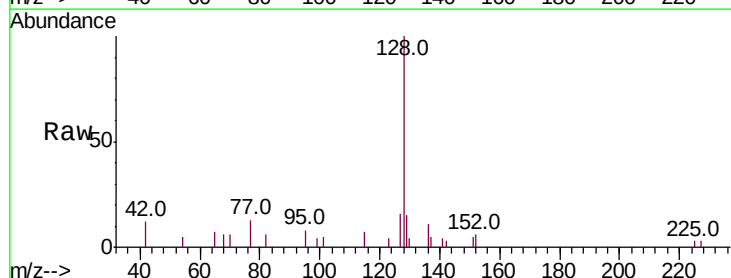
RT: 10.53 min Scan# 840

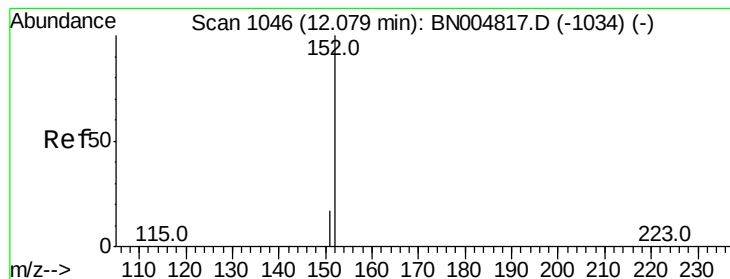
Delta R.T. -0.01 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Tgt Ion:	128	Resp:	3582
Ion Ratio	Lower	Upper	
128	100		
129	14.8	9.9	14.9
127	16.0	11.3	16.9





#11

2-Methylnaphthalene-d10

Concen: 0.191 ng

RT: 12.07 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Instrument :

BNA_N

ClientSampleId :

PST-028-B099-030619

Tot Ion:152 Resp: 6539

Ion Ratio Lower Upper

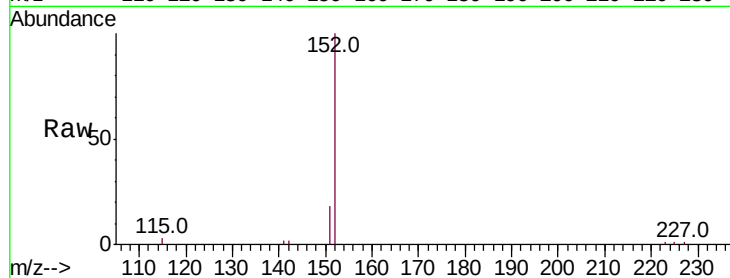
152 100

151 19.6 15.5 23.3

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.07

4000

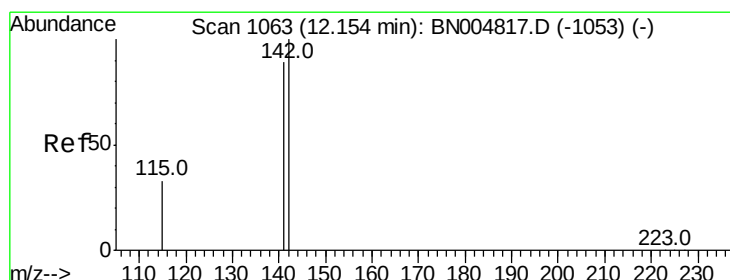
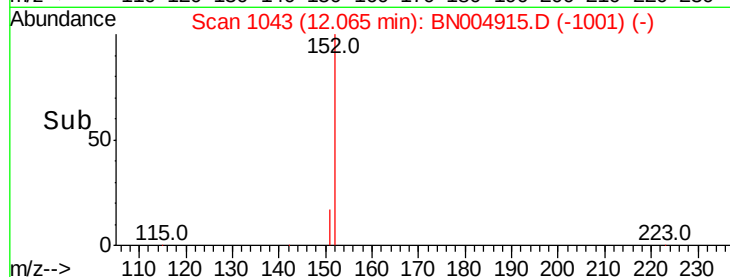
3000

2000

1000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.035 ng

RT: 12.14 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

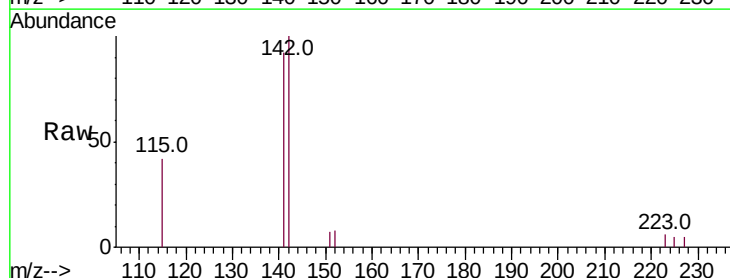
Tgt Ion:142 Resp: 1431

Ion Ratio Lower Upper

142 100

141 92.5 71.4 107.2

115 42.4 27.5 41.3#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.14

1200

1000

800

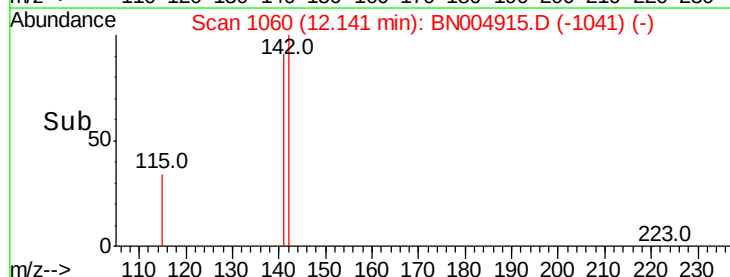
600

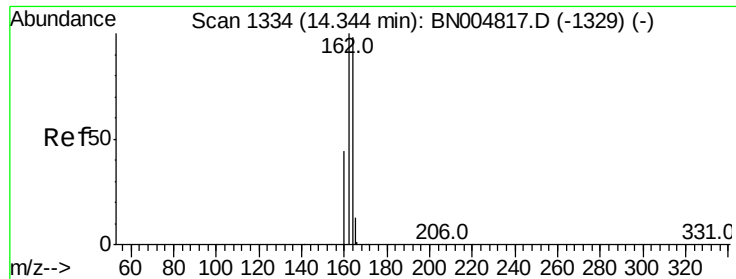
400

200

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Instrument :

BNA_N

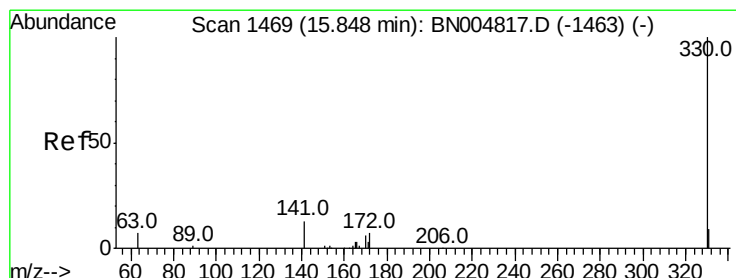
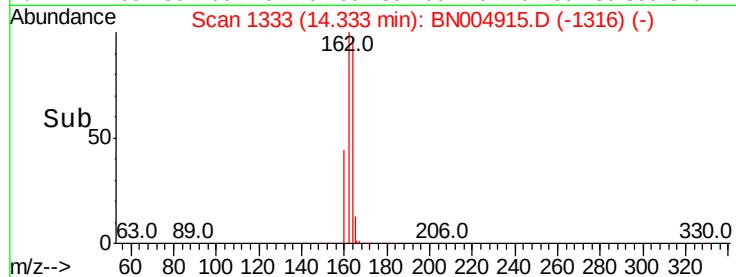
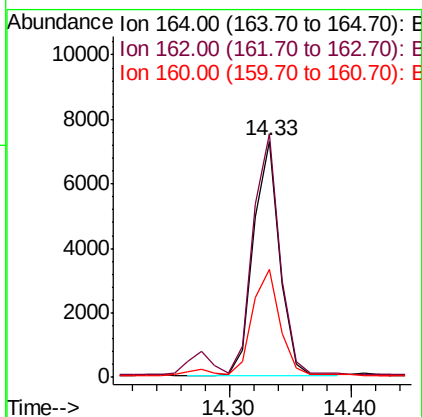
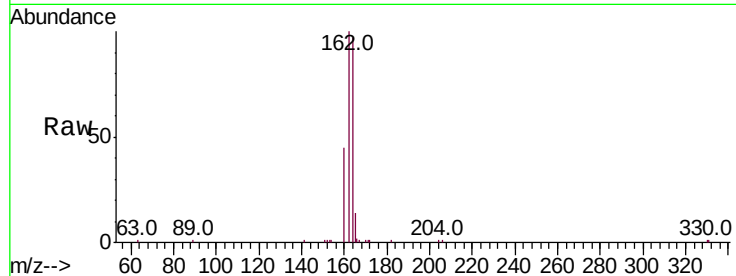
ClientSampleId :

PST-028-B099-030619

Tot Ion:	164	Resp:	10857
Ion Ratio	Lower	Upper	
164	100		
162	103.1	81.9	122.9
160	46.0	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.221 ng

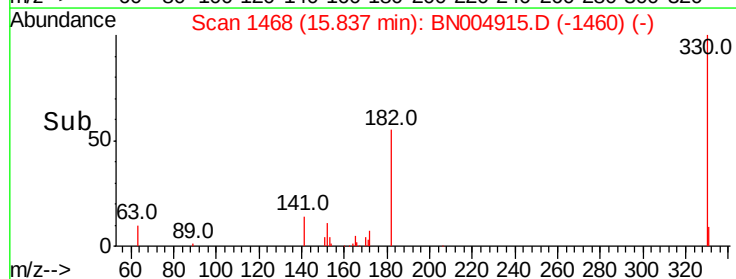
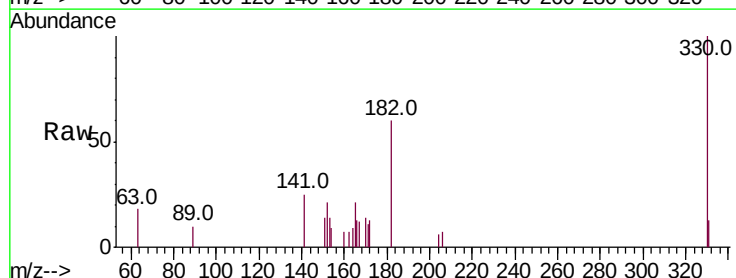
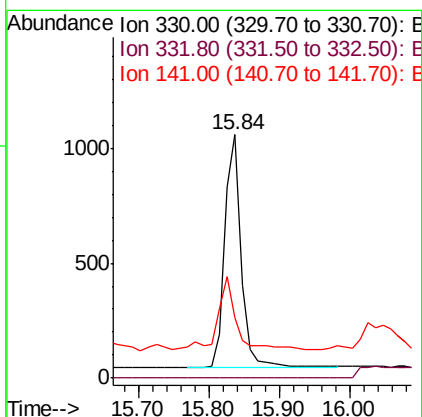
RT: 15.84 min Scan# 1468

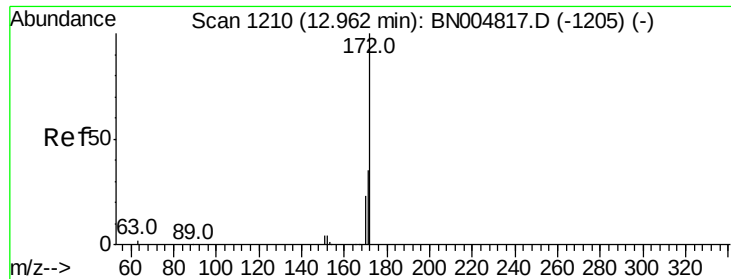
Delta R.T. -0.01 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Tgt Ion:	330	Resp:	1658
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	33.7	20.9	31.3#





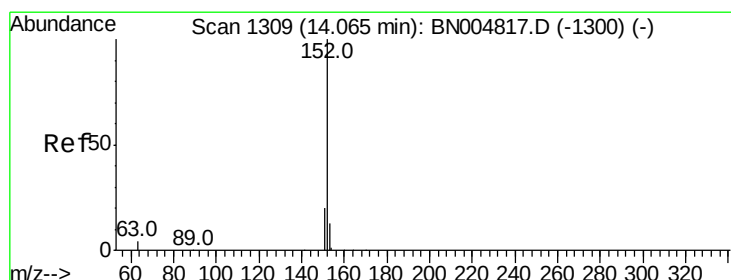
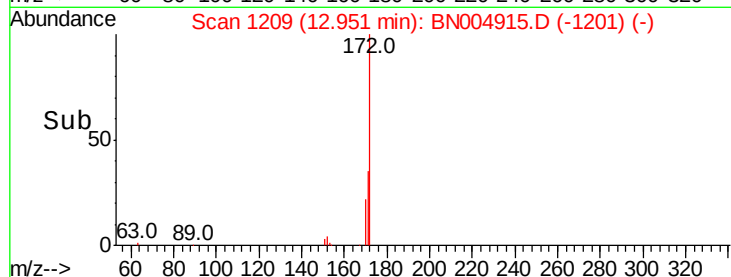
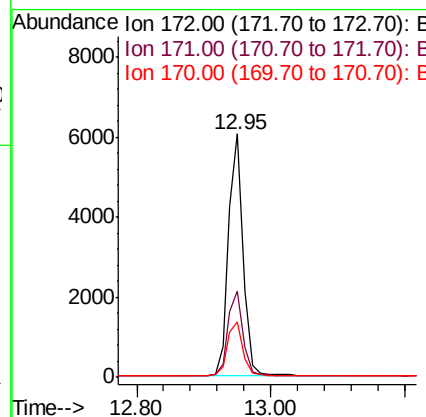
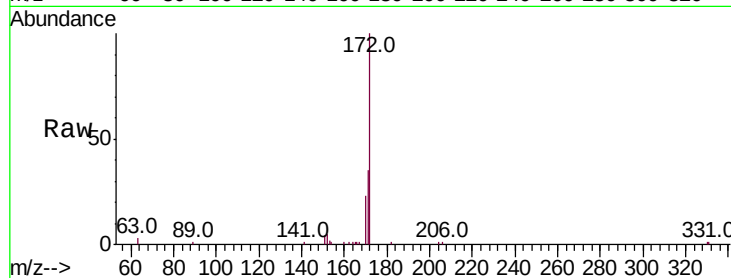
#15
2-Fluorobiphenyl
Concen: 0.202 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004915.D
Acq: 23 Mar 2019 09:08

Instrument :
BNA_N
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PST-028-B099-030619

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	22.9	18.7	28.1

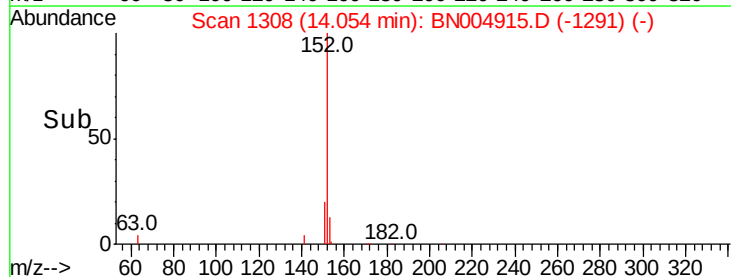
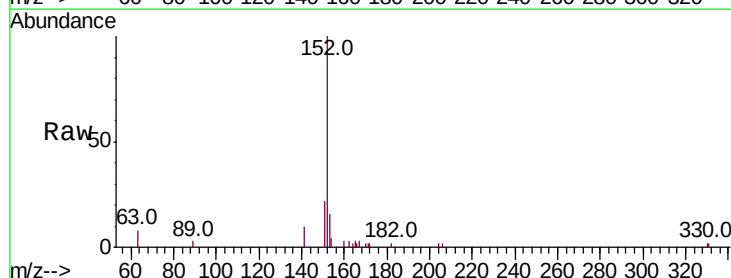
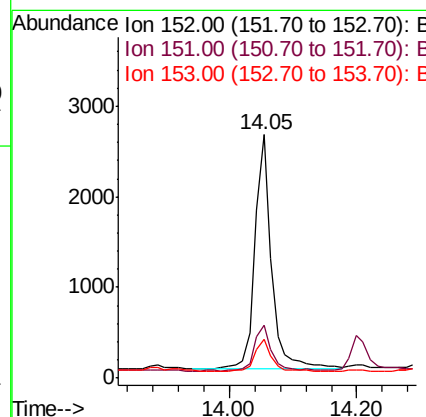
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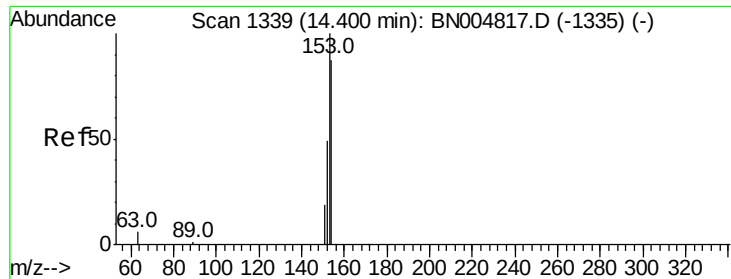
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#16
Acenaphthylene
Concen: 0.083 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004915.D
Acq: 23 Mar 2019 09:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.1	24.1
153	13.9	10.5	15.7





#17

Acenaphthene

Concen: 0.049 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Instrument :

BNA_N

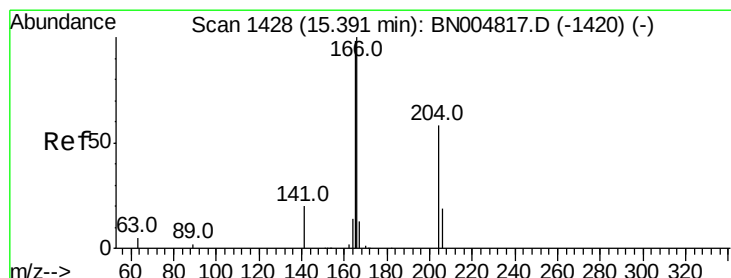
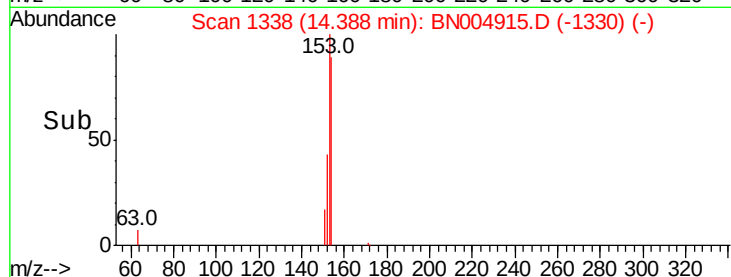
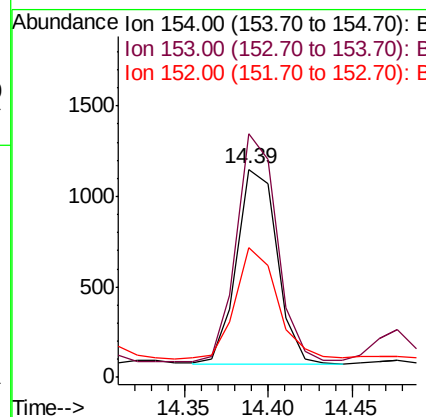
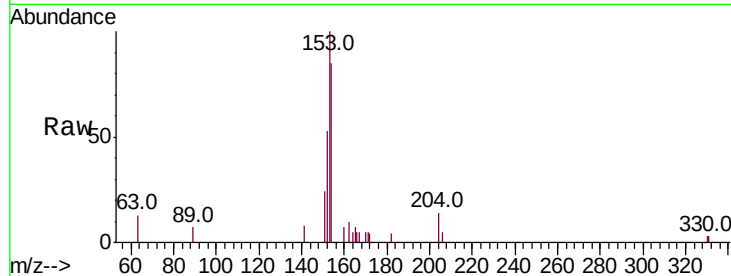
ClientSampleId :

PST-028-B099-030619

Tot Ion:	154	Resp:	1805
Ion Ratio	Lower	Upper	
154	100		
153	117.1	91.4	137.2
152	59.4	44.2	66.2

Manual Integrations
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#18

Fluorene

Concen: 0.049 ng

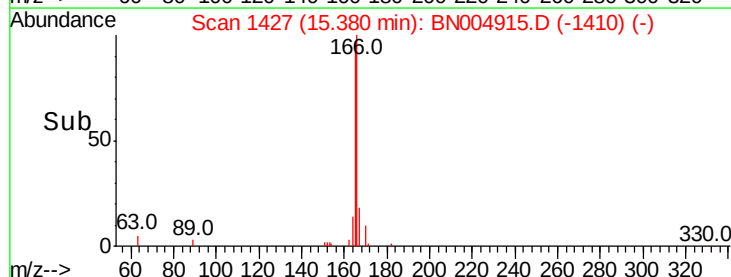
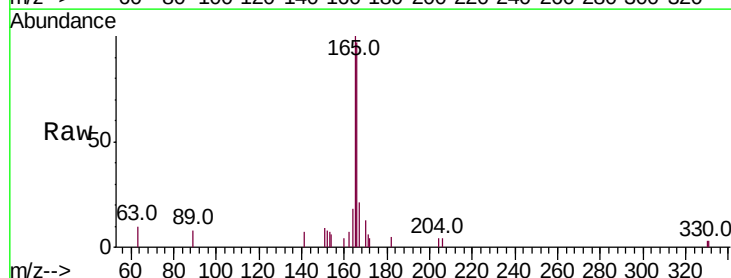
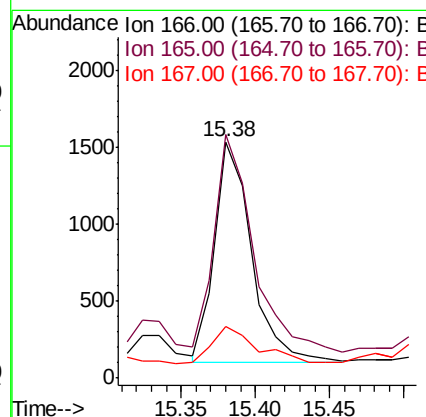
RT: 15.38 min Scan# 1427

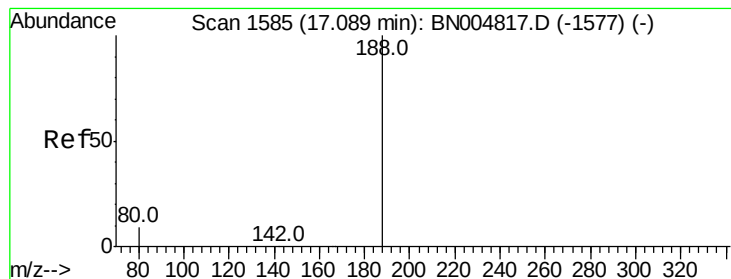
Delta R.T. -0.01 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Tgt Ion:	166	Resp:	2484
Ion Ratio	Lower	Upper	
166	100		
165	105.5	78.2	117.4
167	21.8	11.0	16.4#





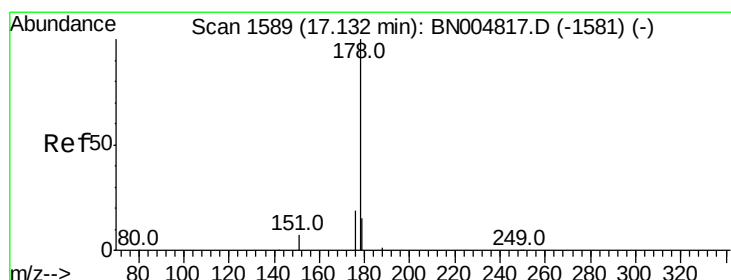
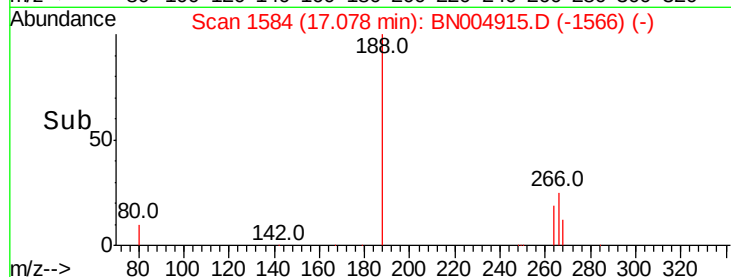
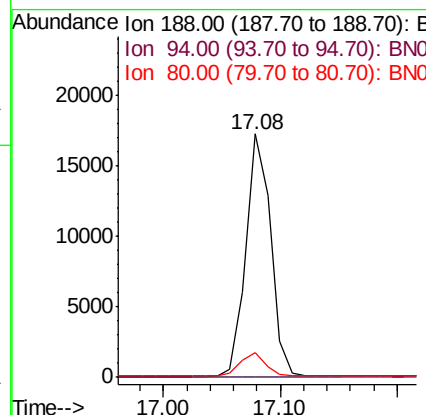
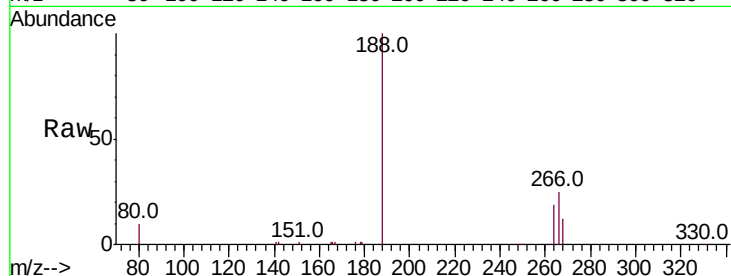
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004915.D
Acq: 23 Mar 2019 09:08

Instrument :
BNA_N
ClientSampleId :
PST-028-B099-030619

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.4	7.4	11.2

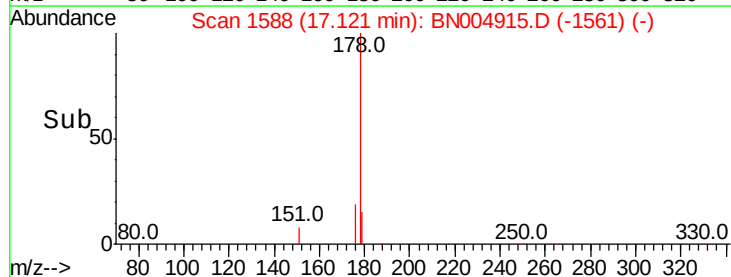
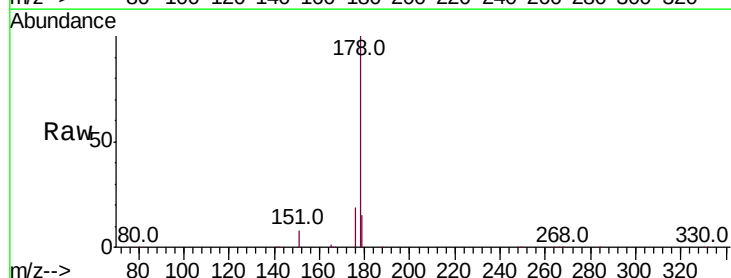
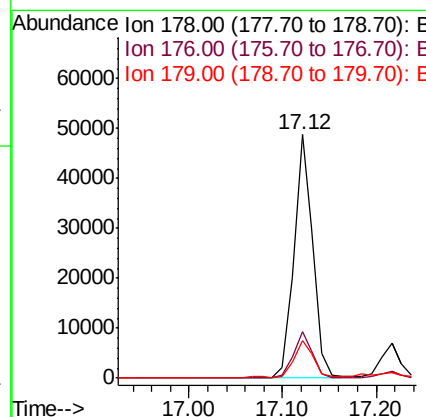
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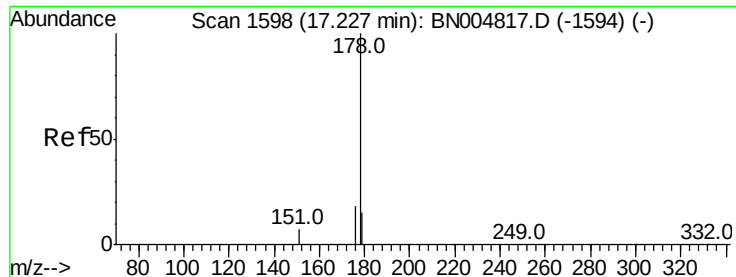
Sohil
3/25/2019 8:57:11 AM



#23
Phenanthrene
Concen: 0.838 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004915.D
Acq: 23 Mar 2019 09:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.8	12.1	18.1





#24

Anthracene

Concen: 0.128 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Instrument :

BNA_N

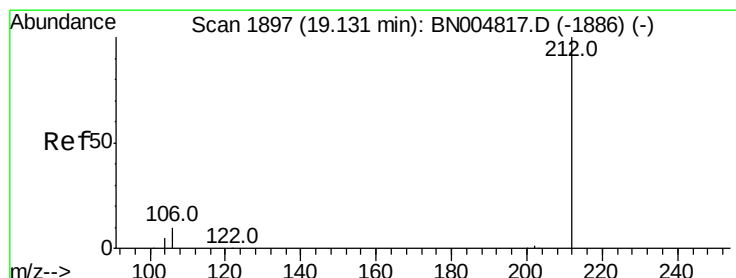
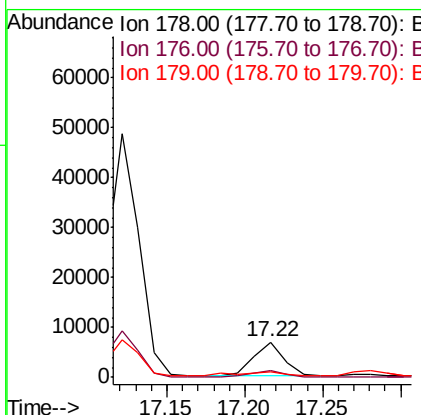
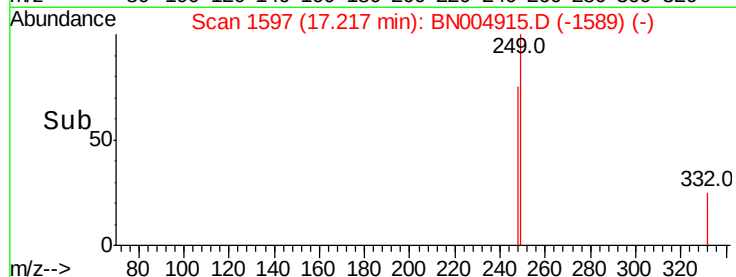
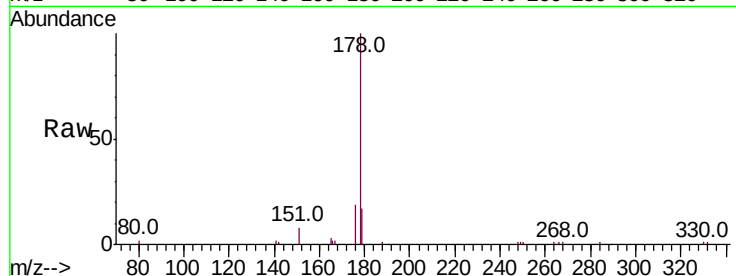
ClientSampleId :

PST-028-B099-030619

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.5	21.7
179	22.1	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.140 ng

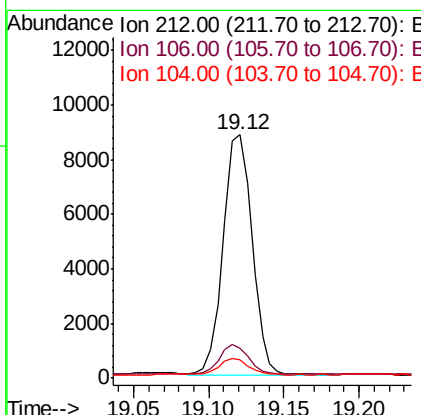
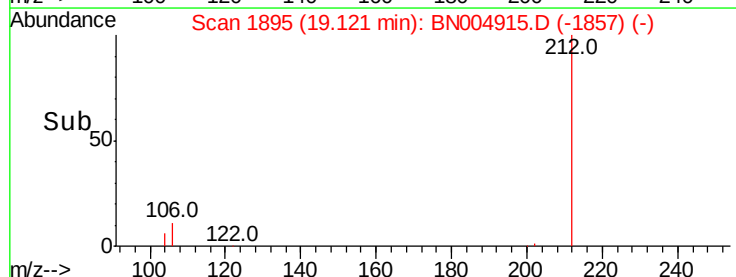
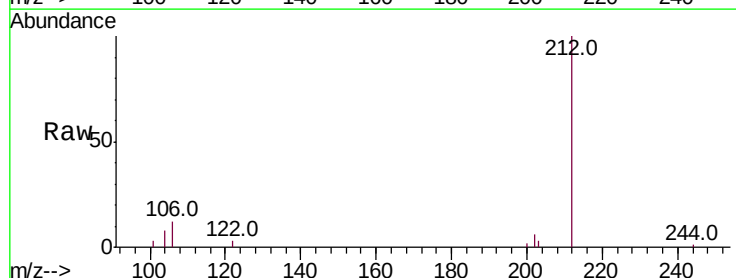
RT: 19.12 min Scan# 1895

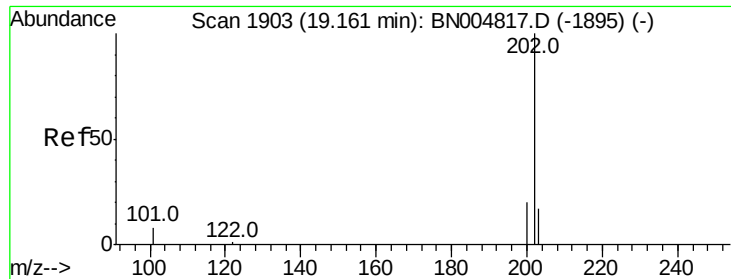
Delta R.T. -0.01 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.9	8.6	13.0
104	6.7	4.7	7.1





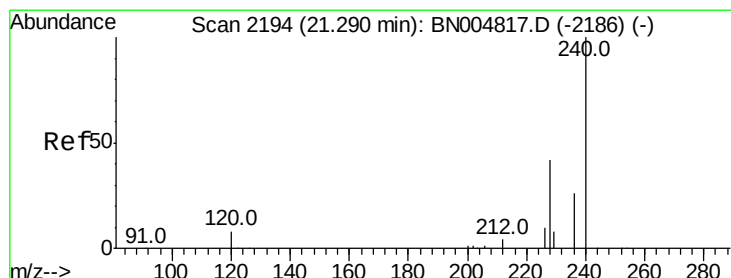
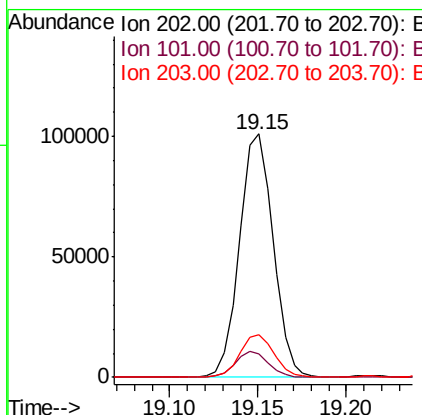
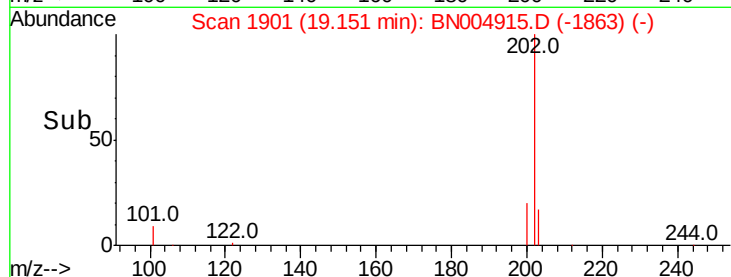
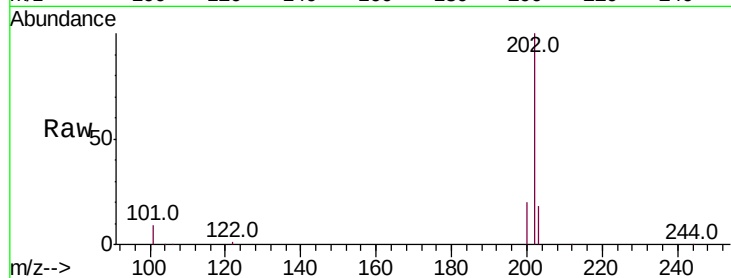
#26
Fluoranthene
Concen: 1.279 ng
RT: 19.15 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BN004915.D
Acq: 23 Mar 2019 09:08

Instrument :
BNA_N
ClientSampleId :
PST-028-B099-030619

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.5	11.3
203	17.5	13.8	20.6

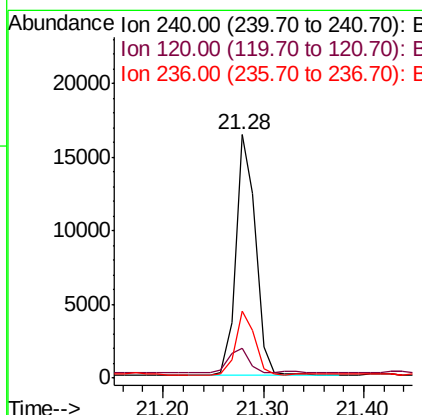
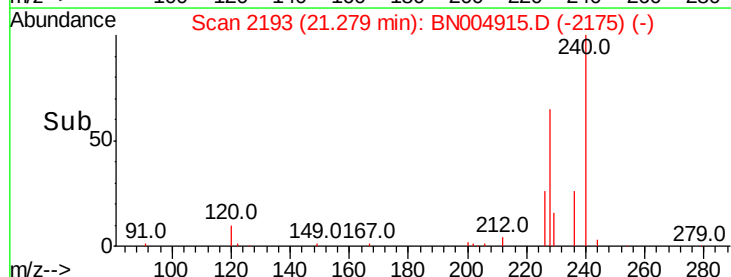
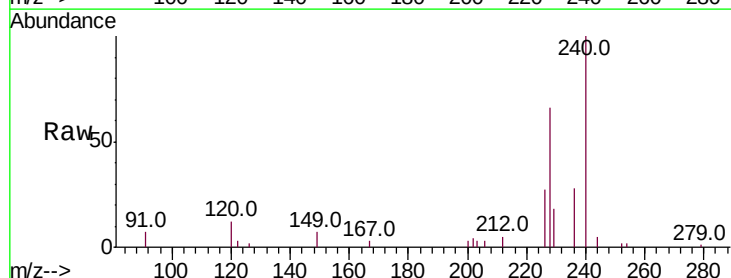
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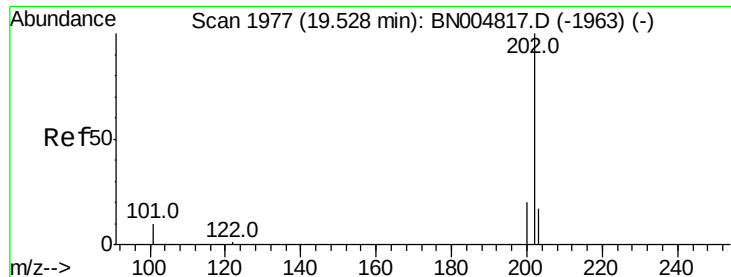
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004915.D
Acq: 23 Mar 2019 09:08

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.4	7.2	10.8#
236	27.5	20.9	31.3





#28

Pvrene

Concen: 1.706 ng

RT: 19.51 min Scan# 1974

Delta R.T. -0.02 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Instrument :

BNA_N

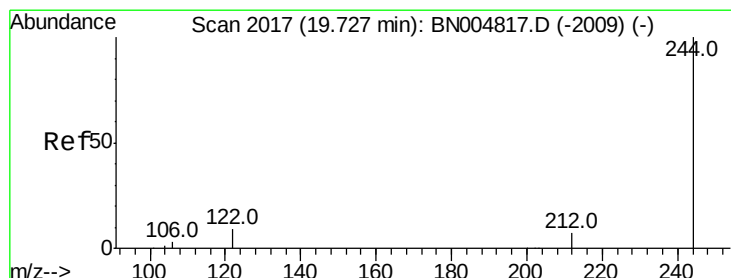
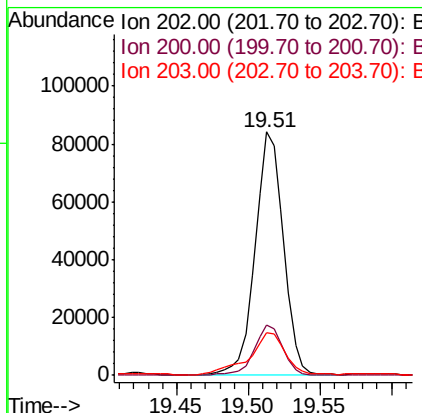
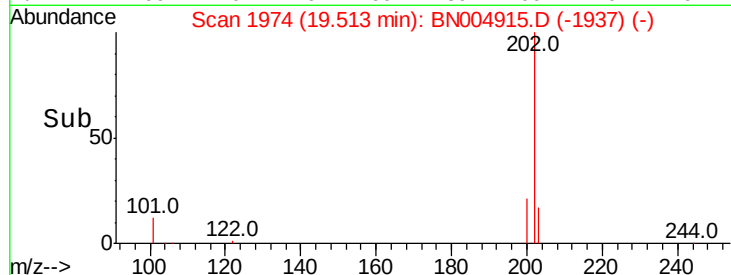
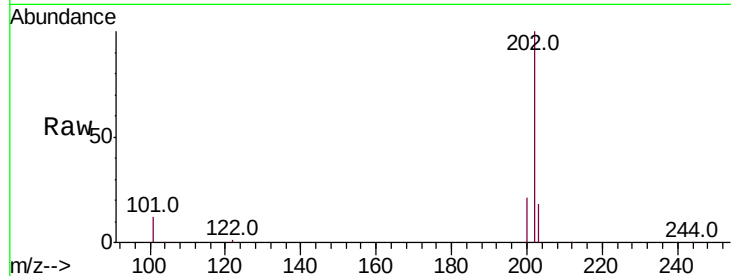
ClientSampleId :

PST-028-B099-030619

Tot Ion:	202	Resp:	114859
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.3	24.5
203	21.6	14.0	21.0#

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#29

Terphenyl-d14

Concen: 0.180 ng

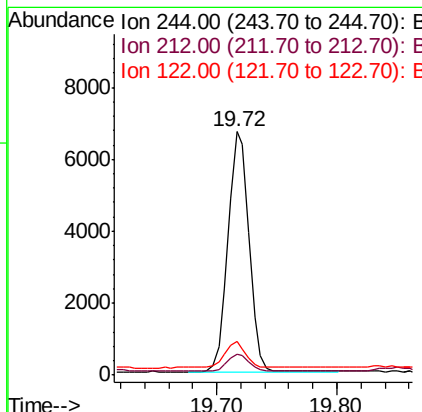
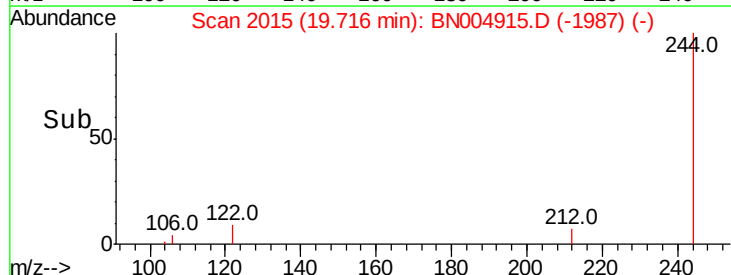
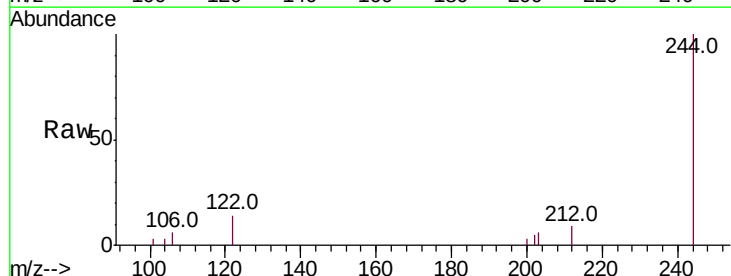
RT: 19.72 min Scan# 2015

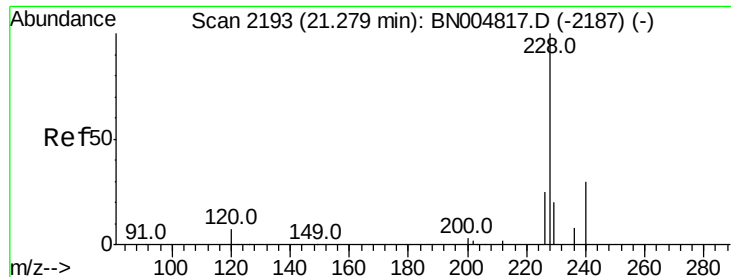
Delta R.T. -0.01 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Tgt Ion:	244	Resp:	8111
Ion Ratio	Lower	Upper	
244	100		
212	8.6	5.8	8.6
122	13.7	7.9	11.9#





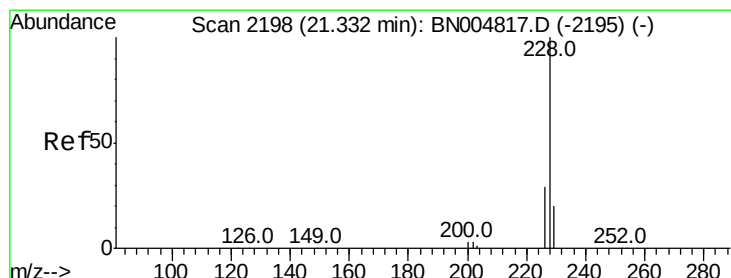
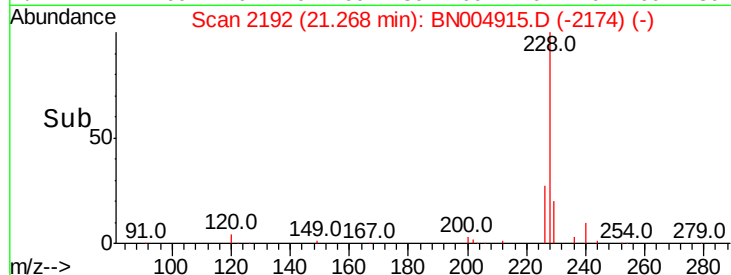
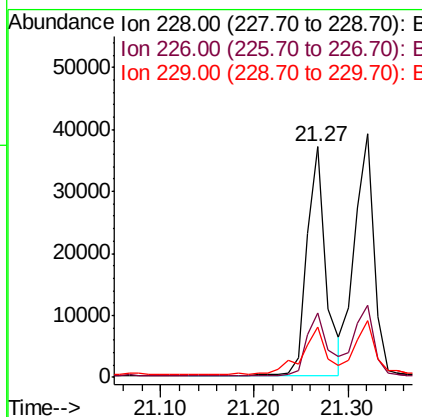
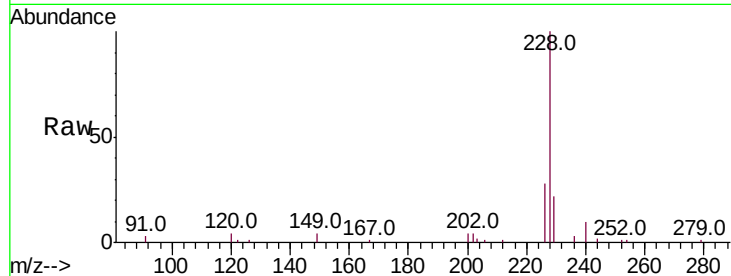
#30
Benzo(a)anthracene
Concen: 0.716 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004915.D
Acq: 23 Mar 2019 09:08

Instrument :
BNA_N
ClientSampleId :
PST-028-B099-030619

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	20.6	31.0
229	21.7	16.2	24.4

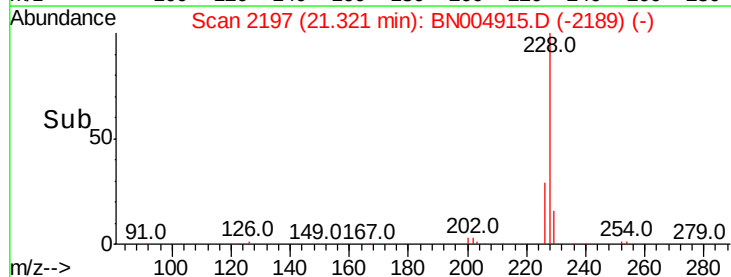
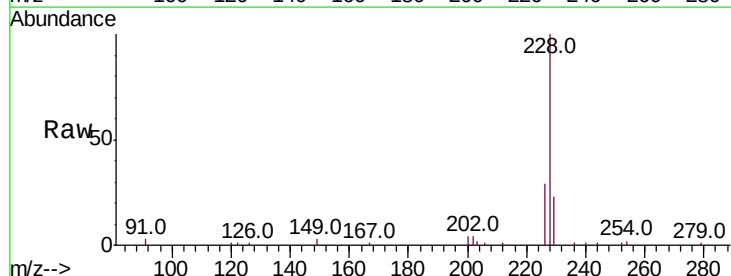
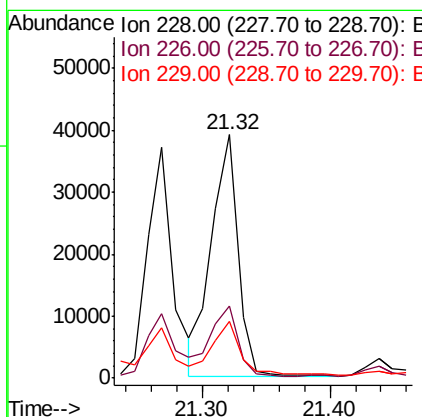
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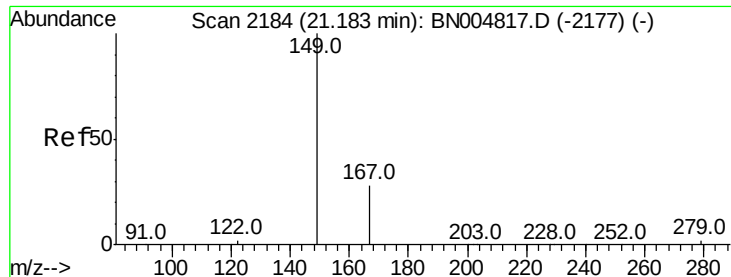
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#31
Chrysene
Concen: 0.730 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004915.D
Acq: 23 Mar 2019 09:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.0	34.6
229	23.1	16.2	24.2





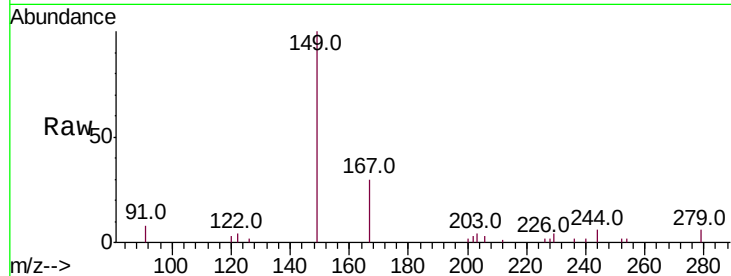
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.504 ng
RT: 21.18 min Scan# 2184
Delta R.T. -0.00 min
Lab File: BN004915.D
Acq: 23 Mar 2019 09:08

Instrument :
BNA_N
ClientSampleId :
PST-028-B099-030619

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.7	23.0	34.4
279	5.3	4.6	6.8

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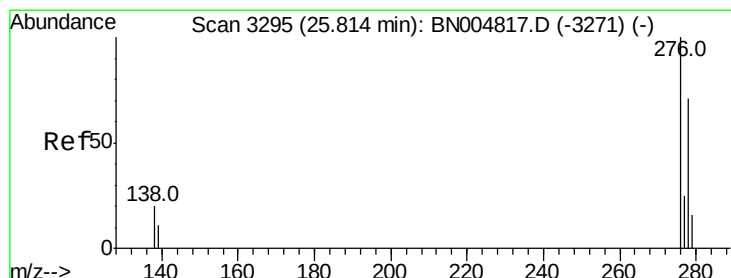
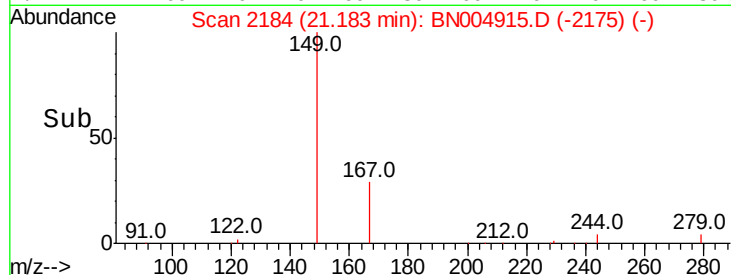
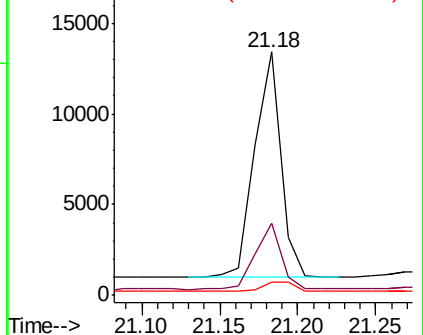


Abundance

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: 0.274 ng
RT: 25.80 min Scan# 3290
Delta R.T. -0.02 min
Lab File: BN004915.D
Acq: 23 Mar 2019 09:08

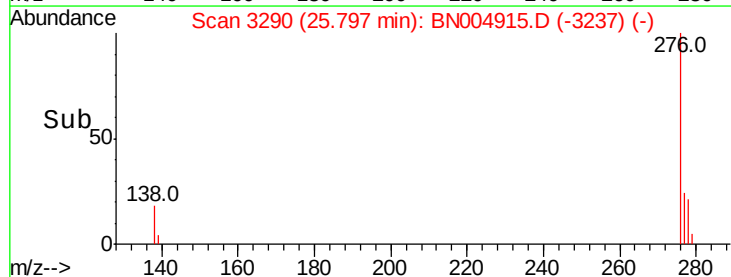
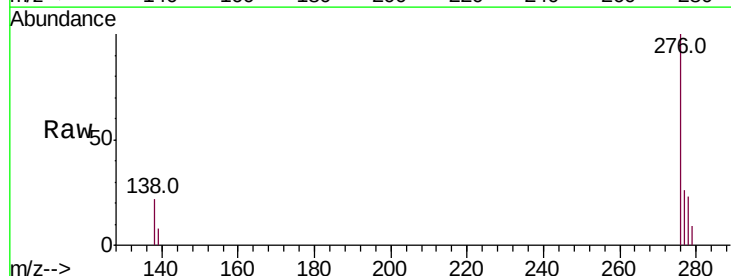
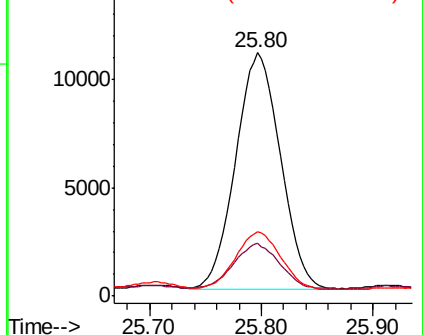
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.6	24.8
277	25.0	20.3	30.5

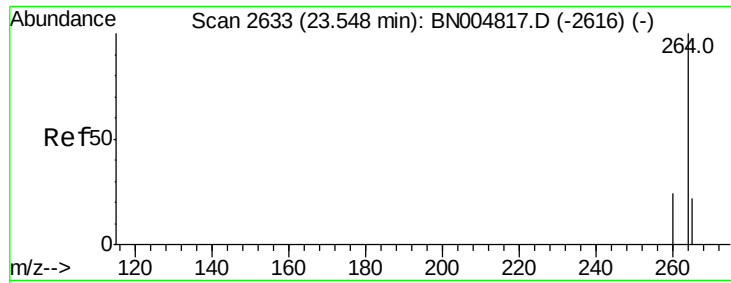
Abundance

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





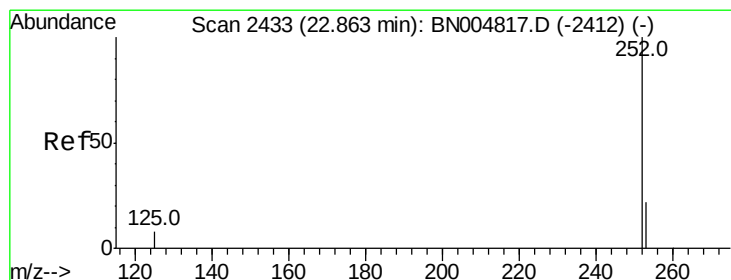
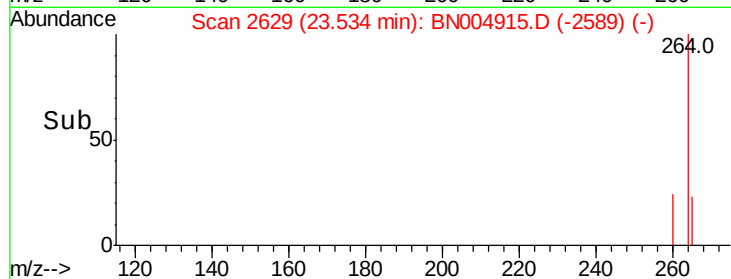
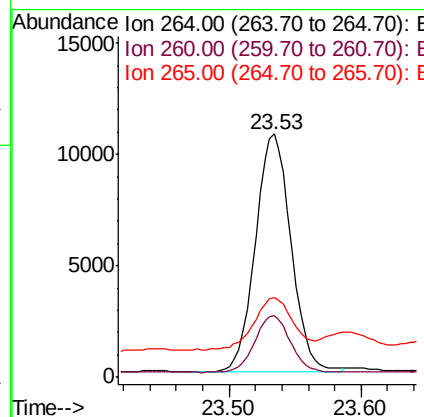
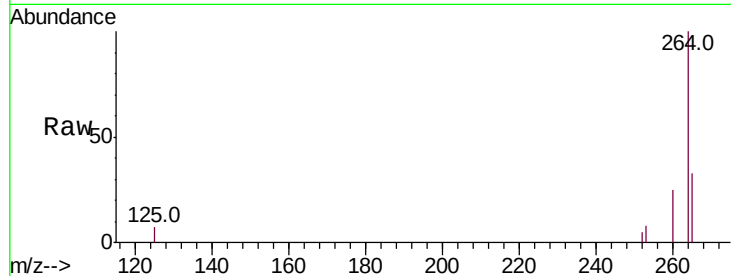
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2629
Delta R.T. -0.01 min
Lab File: BN004915.D
Acq: 23 Mar 2019 09:08

Instrument :
BNA_N
ClientSampleId :
PST-028-B099-030619

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	32.8	23.1	34.7

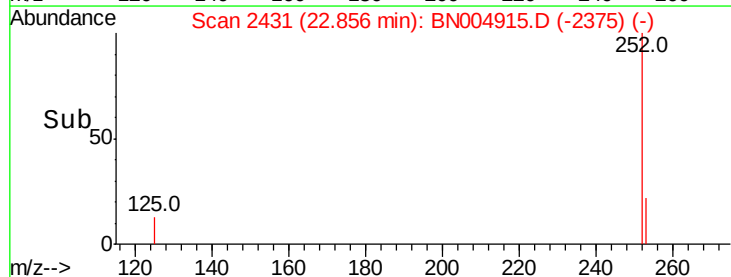
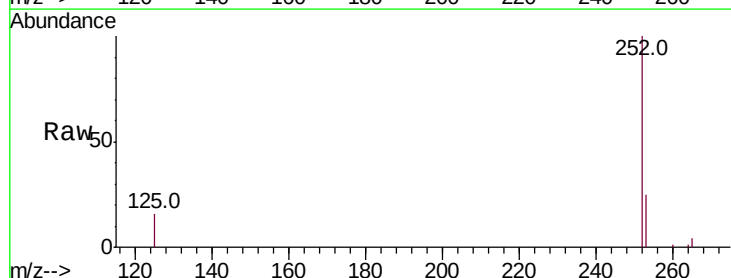
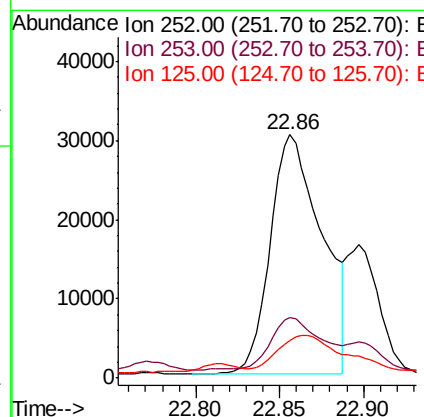
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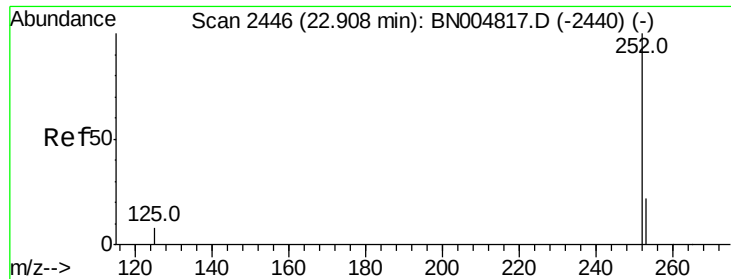
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#35
Benzo(b)fluoranthene
Concen: 0.894 ng
RT: 22.86 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BN004915.D
Acq: 23 Mar 2019 09:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.0	28.4
125	15.5	7.4	11.2





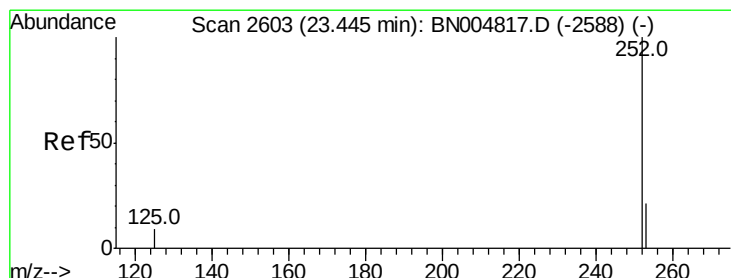
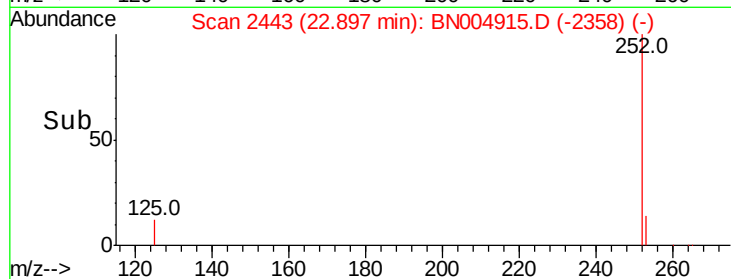
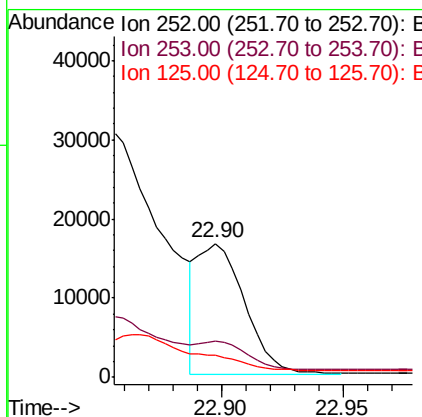
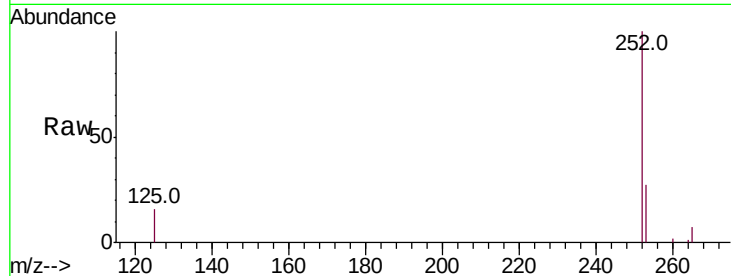
#36
Benzo(k)fluoranthene
Concen: 0.308 ng m
RT: 22.90 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BN004915.D
Acq: 23 Mar 2019 09:08

Instrument :
BNA_N
ClientSampleId :
PST-028-B099-030619

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	19.3	28.9
125	16.1	7.4	11.0

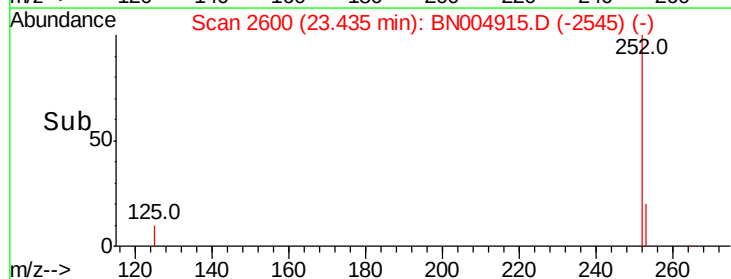
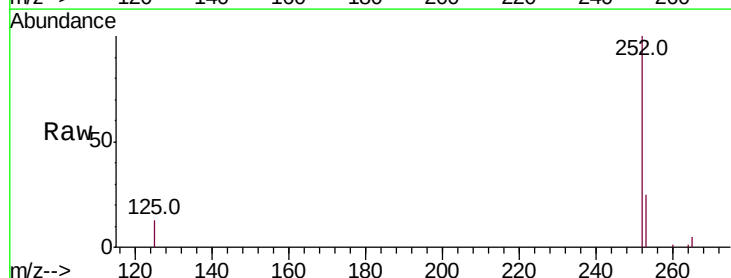
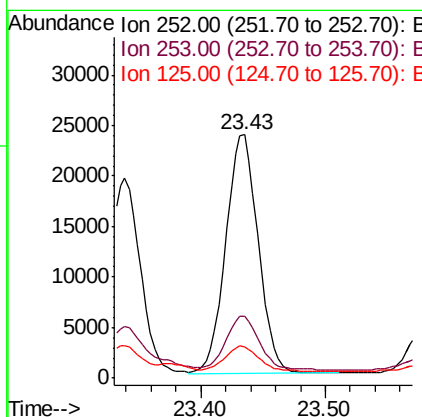
Manual Integrations
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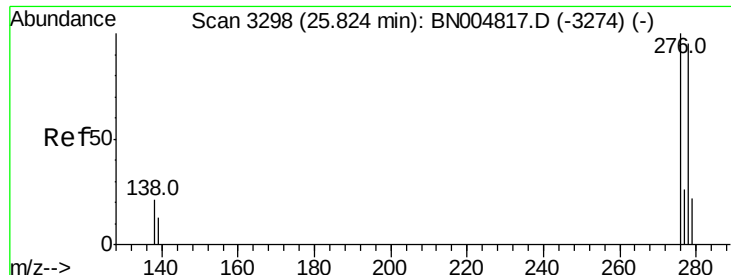
Sohil
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#37
Benzo(a)pyrene
Concen: 0.639 ng
RT: 23.43 min Scan# 2600
Delta R.T. -0.01 min
Lab File: BN004915.D
Acq: 23 Mar 2019 09:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	19.7	29.5
125	12.9	8.3	12.5





#38

Dibenzo(a,h)anthracene

Concen: 0.107 ng

RT: 25.80 min Scan# 3291

Delta R.T. -0.02 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Instrument :

BNA_N

ClientSampleId :

PST-028-B099-030619

Tot Ion:278 Resp: 8247

Ion Ratio Lower Upper

278 100

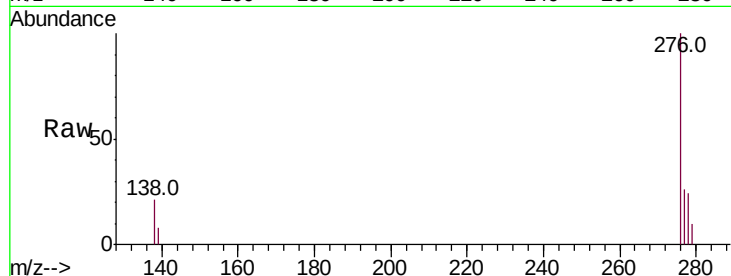
139 32.2 11.7 17.5#

279 39.4 19.9 29.9#

Manual Integrations
APPROVED

Sohil

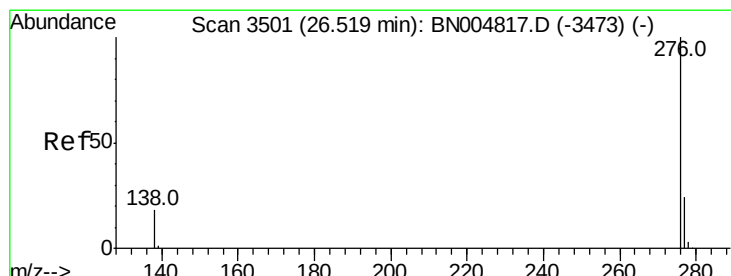
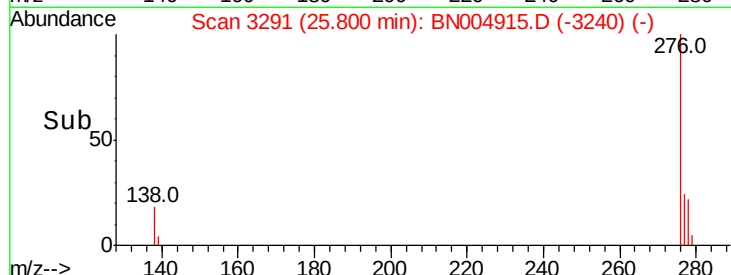
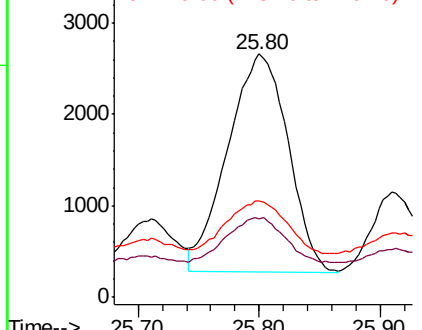
3/25/2019 8:57:11 AM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.417 ng

RT: 26.49 min Scan# 3494

Delta R.T. -0.02 min

Lab File: BN004915.D

Acq: 23 Mar 2019 09:08

Tgt Ion:276 Resp: 32772

Ion Ratio Lower Upper

276 100

277 25.8 19.7 29.5

138 21.8 14.6 22.0

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

