

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004848.D
 Acq On : 21 Mar 2019 14:04
 Operator : JU/SJ
 Sample : K1842-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C-MW-11_030719

Manual Integrations
 APPROVED

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 3/22/2019 7:16:18 PM

Quant Time: Mar 25 08:21:19 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	1970	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	8768	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	5716	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	15102	0.40	ng	0.00
27) Chrysene-d12	21.29	240	20557	0.40	ng	0.00
34) Perylene-d12	23.54	264	22636	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.30	112	850	0.16	ng	0.00
5) Phenol-d6	6.88	99	684	0.10	ng	0.00
8) Nitrobenzene-d5	8.87	82	2009	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	5708	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1554	0.39	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	9090	0.38	ng	0.00
25) Fluoranthene-d10	19.13	212	20375	0.40	ng	0.00
29) Terphenyl-d14	19.72	244	24445	0.58	ng	0.00

Target Compounds					Qvalue	
23) Phenanthrene	17.13	178	4433	0.091	ng	98
26) Fluoranthene	19.16	202	15308	0.244	ng	99
28) Pyrene	19.52	202	11868	0.189	ng	97
30) Benzo(a)anthracene	21.27	228	4794	0.071	ng	# 91
31) Chrysene	21.32	228	10593	0.149	ng	95
32) Bis(2-ethylhexyl)phthalate	21.18	149	2777	0.103	ng	95
33) Indeno(1,2,3-cd)pyrene	25.81	276	9775	0.095	ng	96
35) Benzo(b)fluoranthene	22.86	252	18906	0.231	ng	# 92
36) Benzo(k)fluoranthene	22.90	252	5571m	0.069	ng	
37) Benzo(a)pyrene	23.44	252	7965	0.106	ng	# 84
39) Benzo(a,h,i)perylene	26.51	276	10346	0.117	ng	95

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

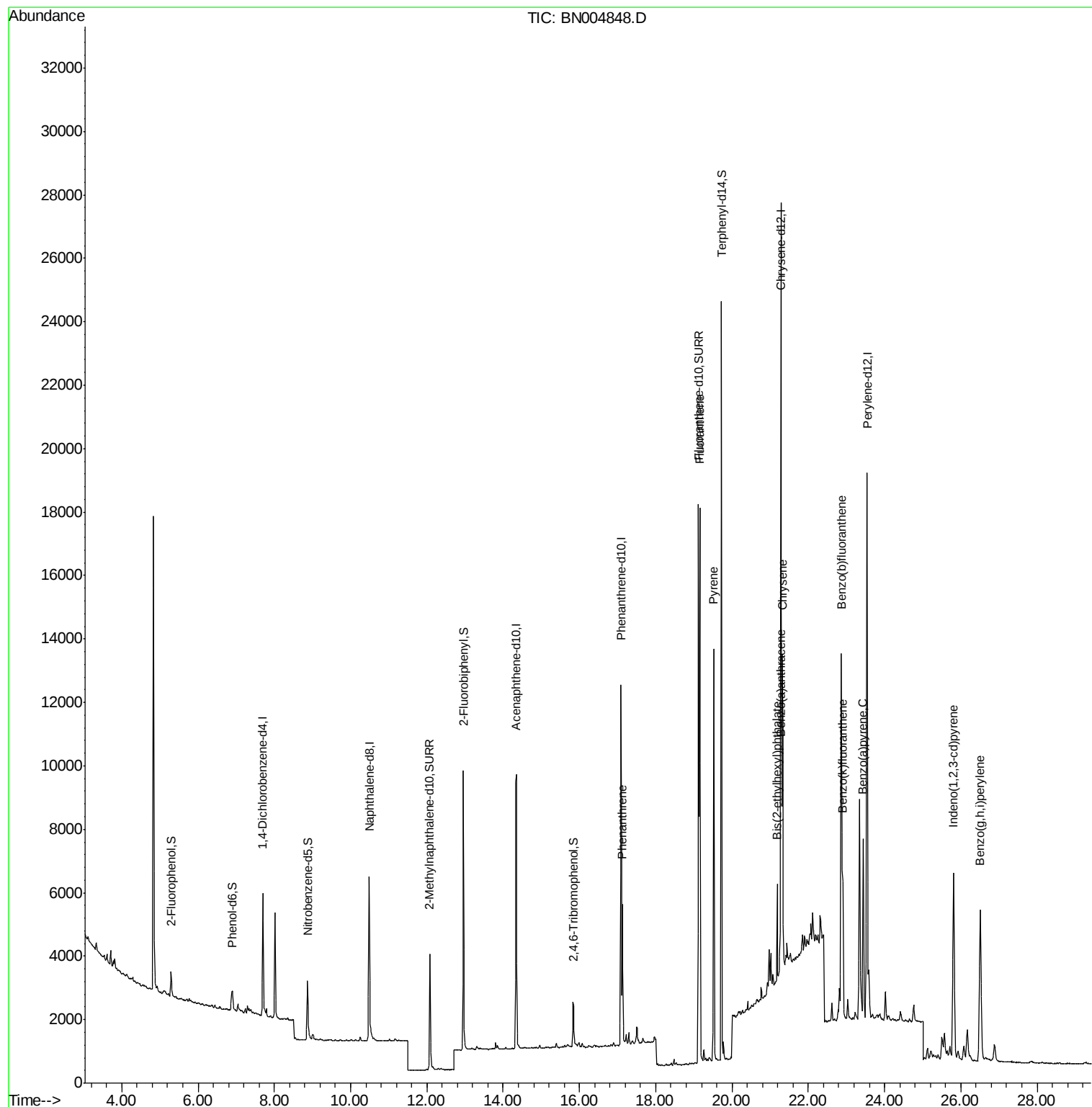
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
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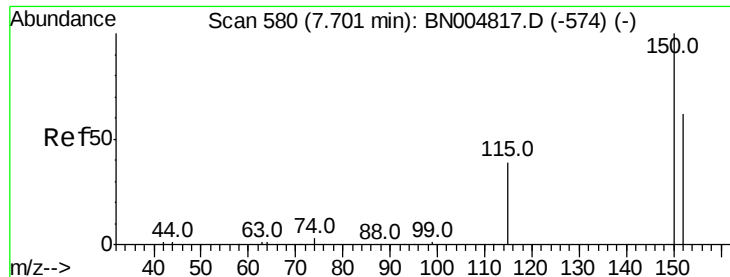
Instrument :
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#1

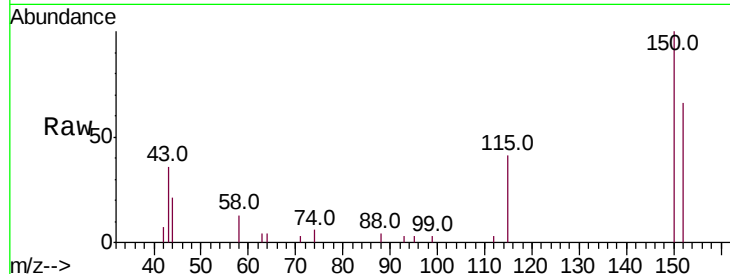
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. 0.00 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
C-MW-11_030719

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	126.2	189.4
115	62.5	52.6	79.0

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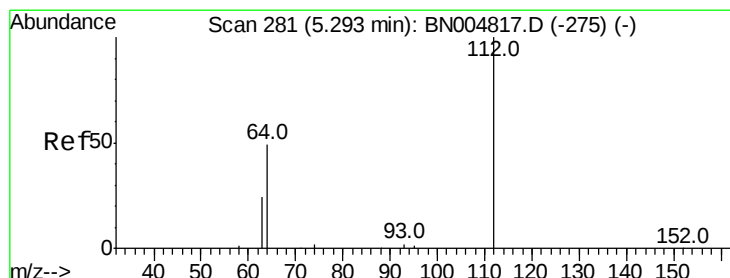
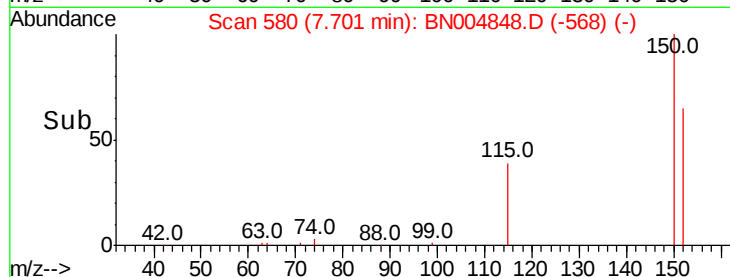
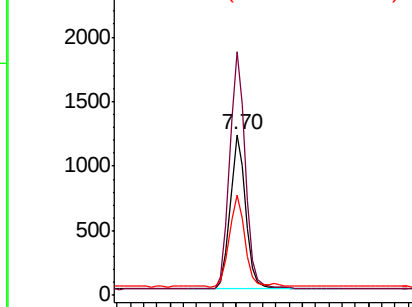


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

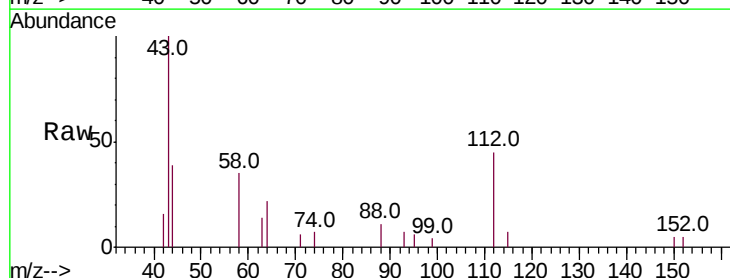
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.159 ng
RT: 5.30 min Scan# 282
Delta R.T. 0.01 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	40.0	60.0
63	24.7	20.2	30.2

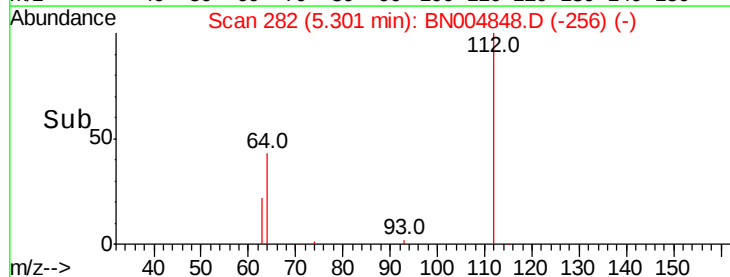
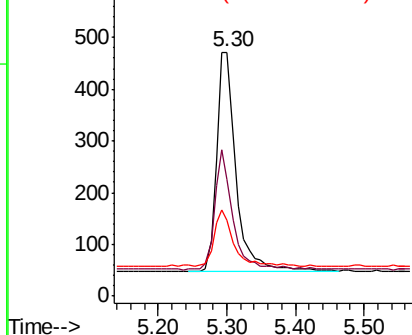


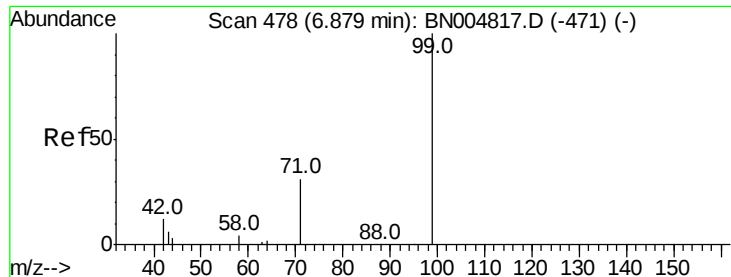
Abundance

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: 0.103 ng

RT: 6.88 min Scan# 478

Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

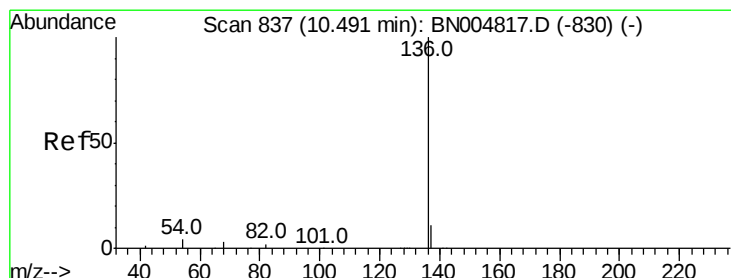
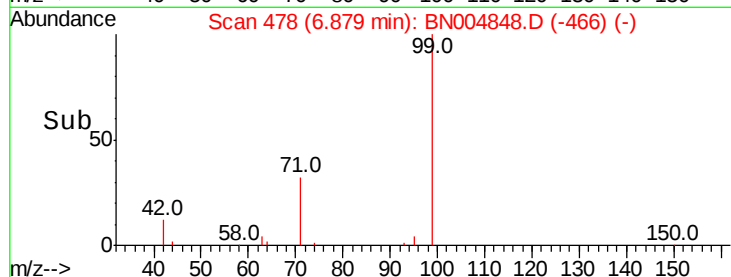
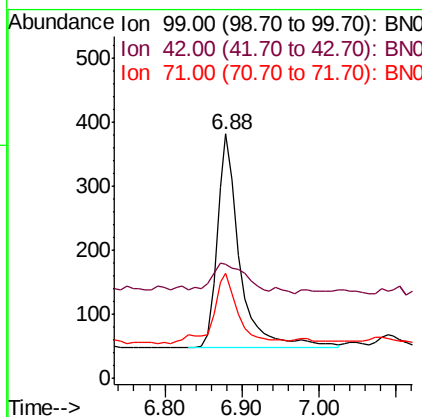
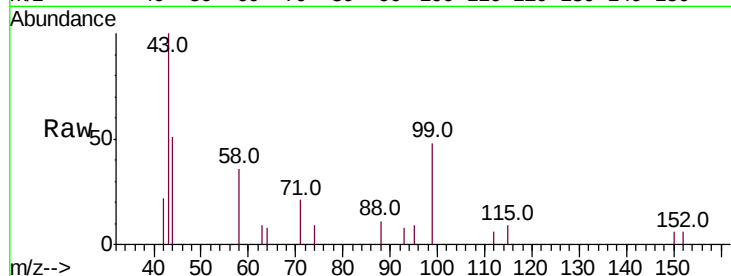
ClientSampleId :

C-MW-11_030719

Tot Ion:	99	Resp:	684
Ion	Ratio	Lower	Upper
99	100		
42	17.3	12.7	19.1
71	34.9	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

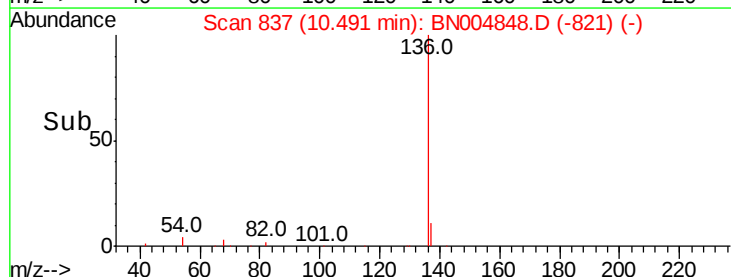
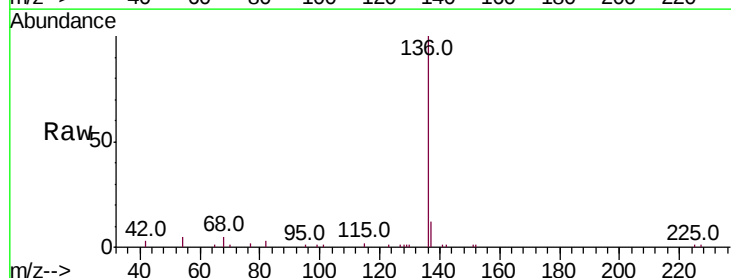
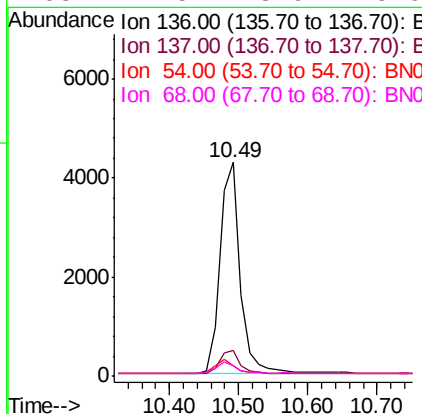
RT: 10.49 min Scan# 837

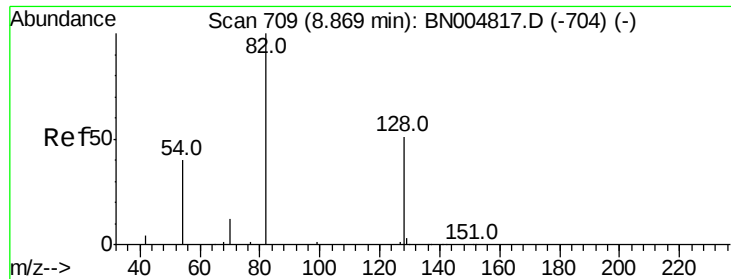
Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Tgt Ion:	136	Resp:	8768
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.6	14.4
54	5.0	4.2	6.2
68	4.5	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.346 ng

RT: 8.87 min Scan# 709

Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

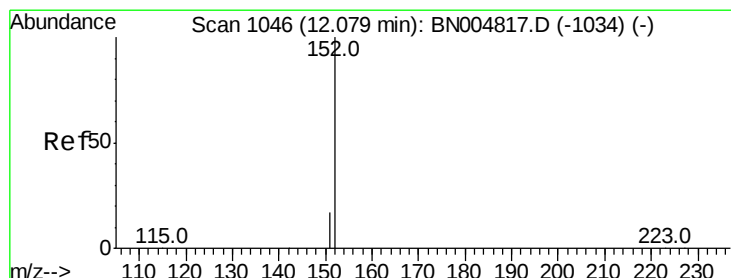
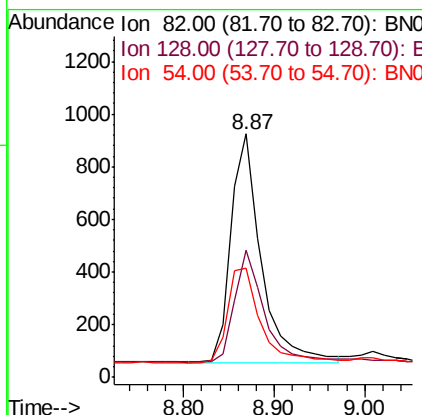
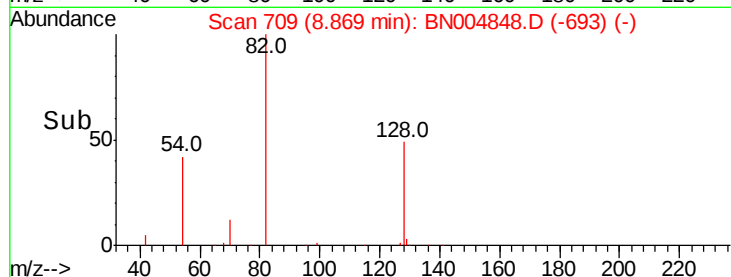
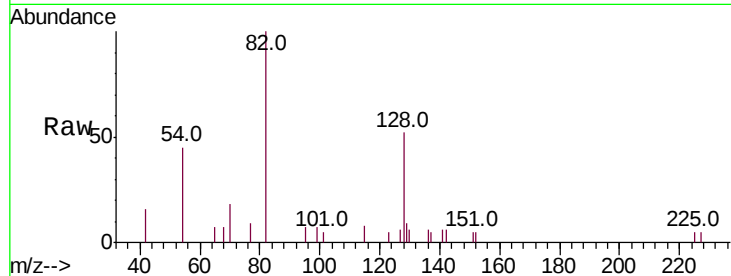
ClientSampleId :

C-MW-11_030719

Tot Ion:	82	Resp:	2009
Ion Ratio	Lower	Upper	
82	100		
128	52.3	43.0	64.6
54	45.1	35.3	52.9

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#11

2-Methylnaphthalene-d10

Concen: 0.373 ng

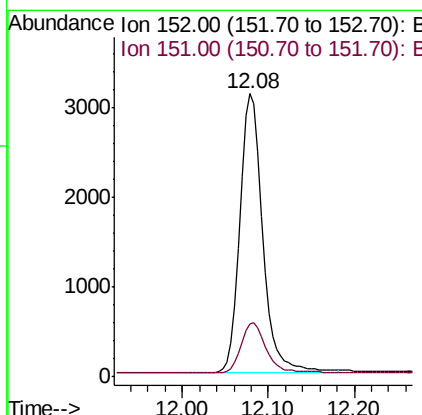
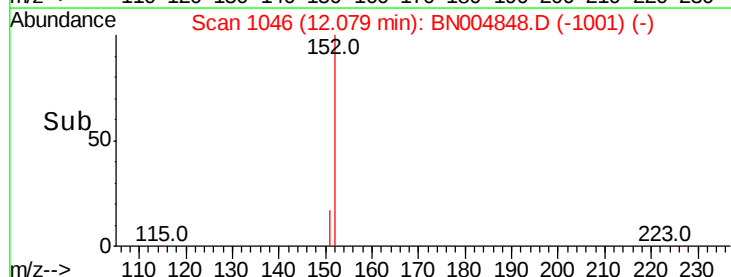
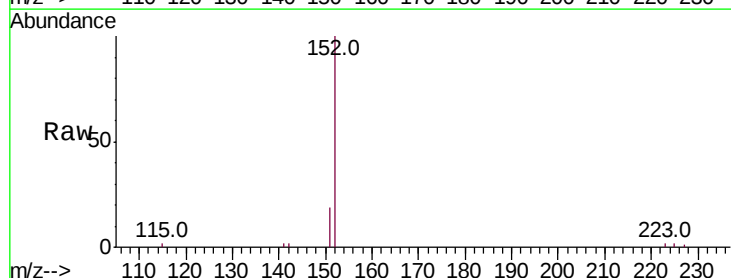
RT: 12.08 min Scan# 1046

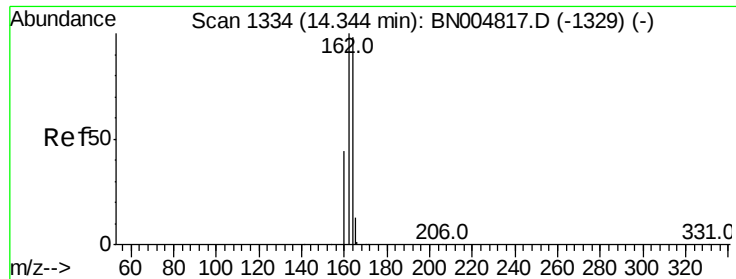
Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Tgt Ion:	152	Resp:	5708
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.5	23.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

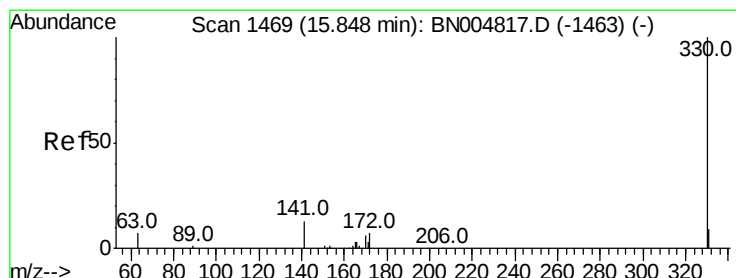
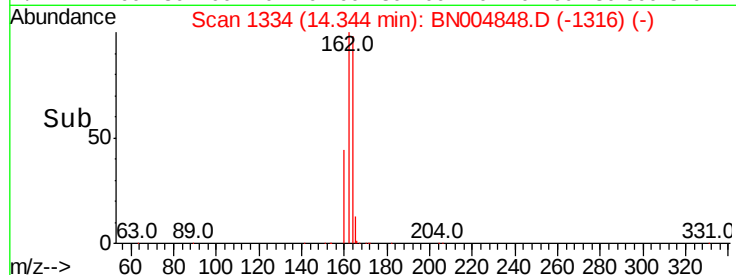
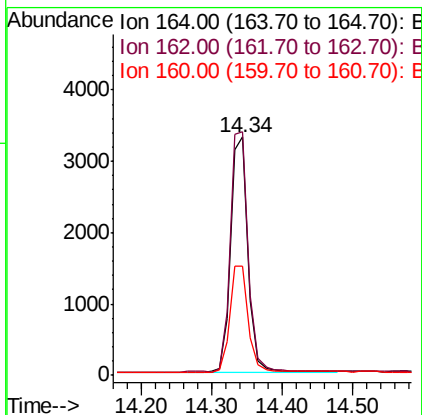
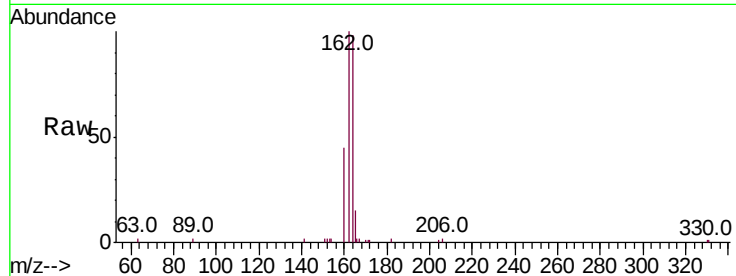
ClientSampleId :

C-MW-11_030719

Tot Ion:	164	Resp:	5716
Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.9	122.9
160	45.9	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.394 ng

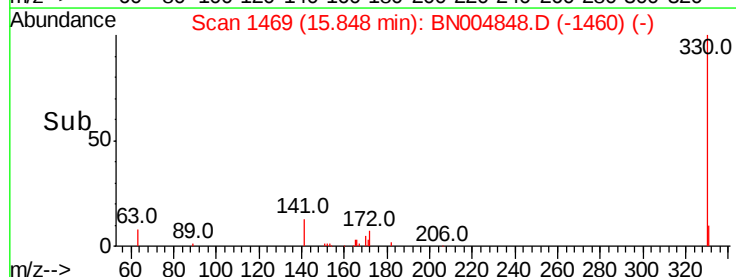
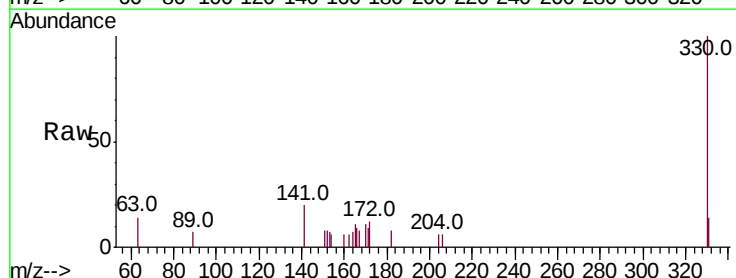
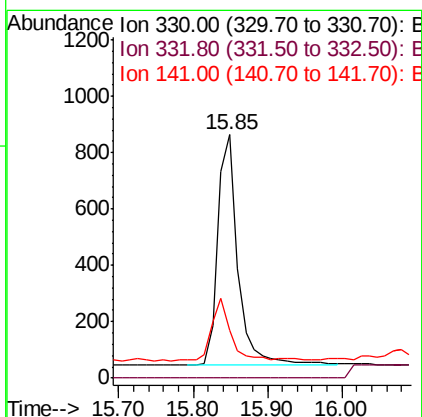
RT: 15.85 min Scan# 1469

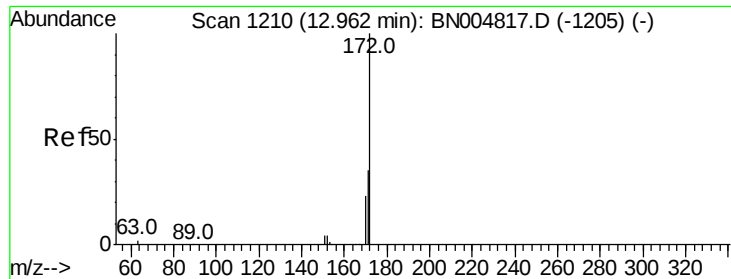
Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Tgt Ion:	330	Resp:	1554
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	24.8	20.9	31.3





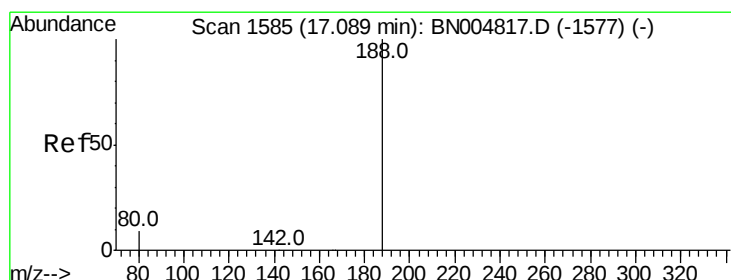
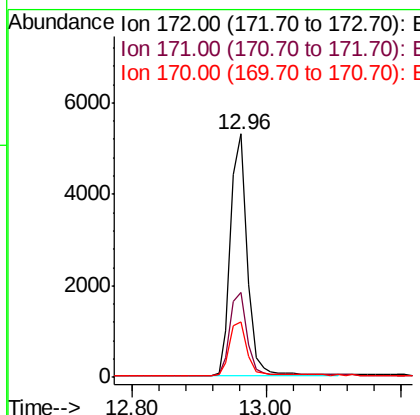
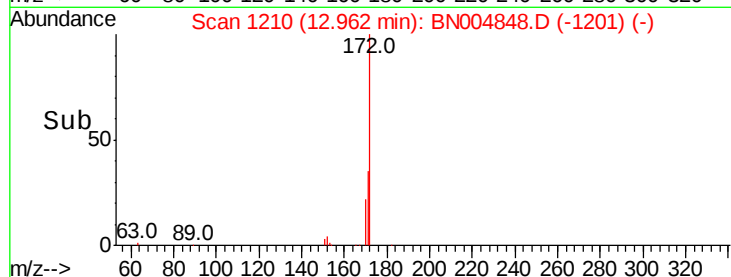
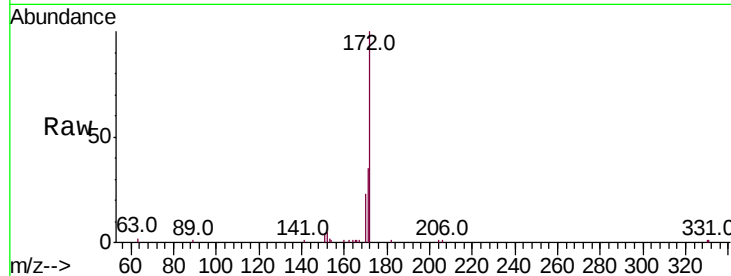
#15
2-Fluorobiphenyl
Concen: 0.385 ng
RT: 12.96 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
C-MW-11_030719

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.7	43.1
170	22.8	18.7	28.1

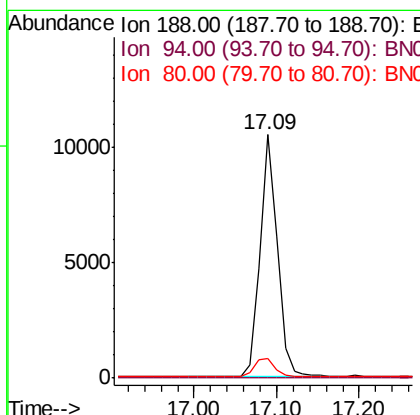
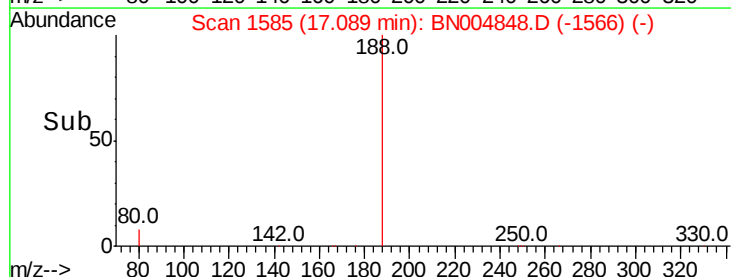
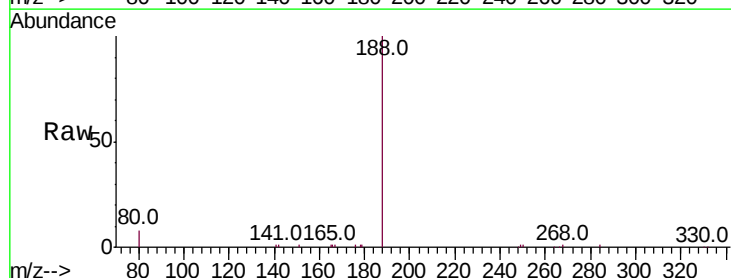
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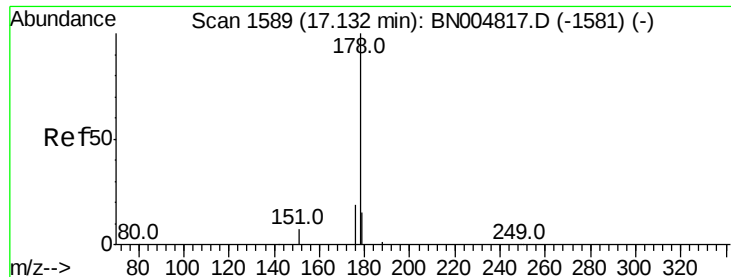
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	7.4	11.2





#23

Phenanthrene

Concen: 0.091 ng

RT: 17.13 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

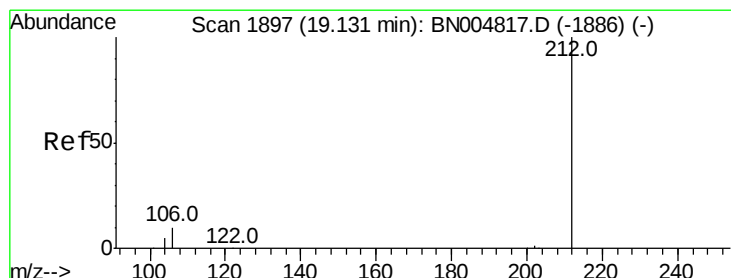
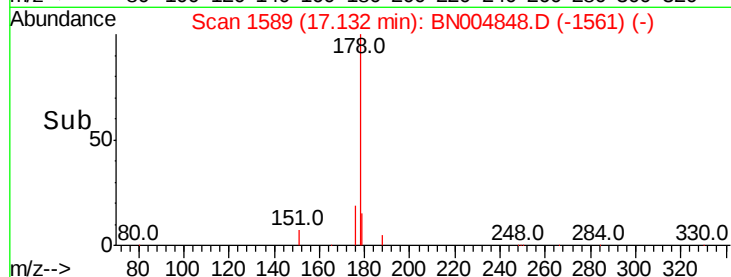
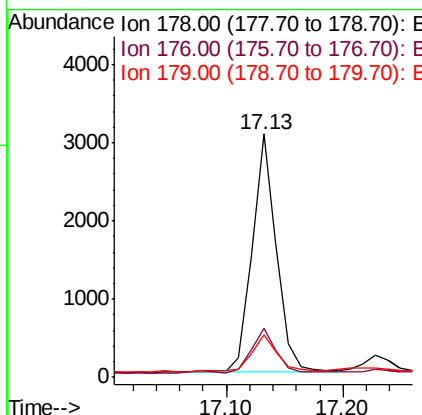
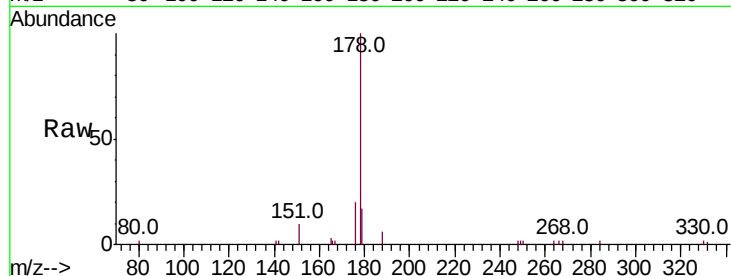
ClientSampleId :

C-MW-11_030719

Tot Ion:	178	Resp:	4433
Ion	Ratio	Lower	Upper
178	100		
176	19.6	14.9	22.3
179	16.0	12.1	18.1

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#25

Fluoranthene-d10

Concen: 0.403 ng

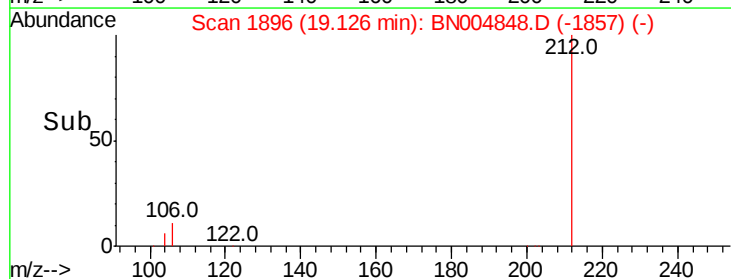
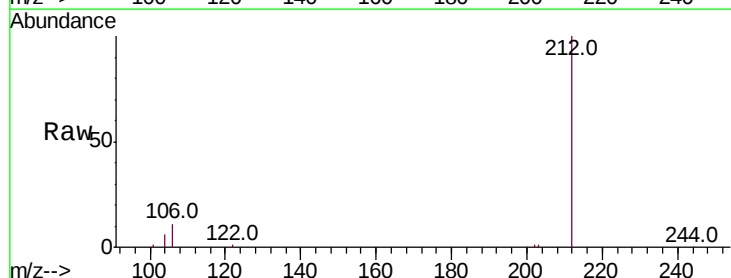
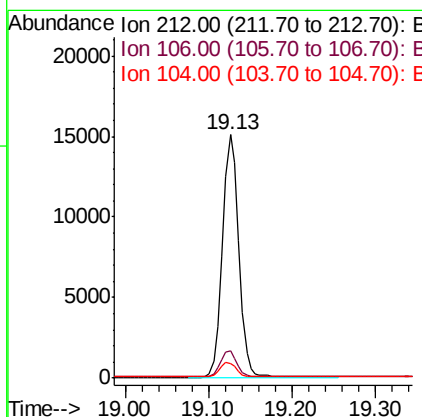
RT: 19.13 min Scan# 1896

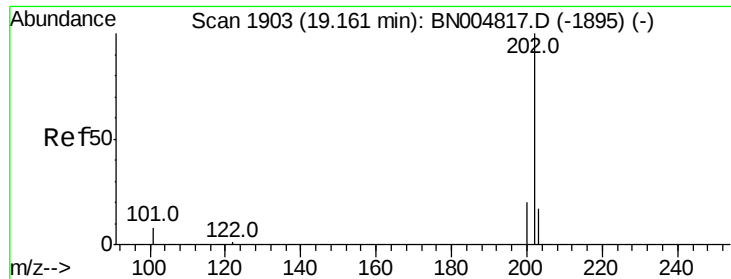
Delta R.T. -0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Tgt Ion:	212	Resp:	20375
Ion	Ratio	Lower	Upper
212	100		
106	10.9	8.6	13.0
104	6.0	4.7	7.1





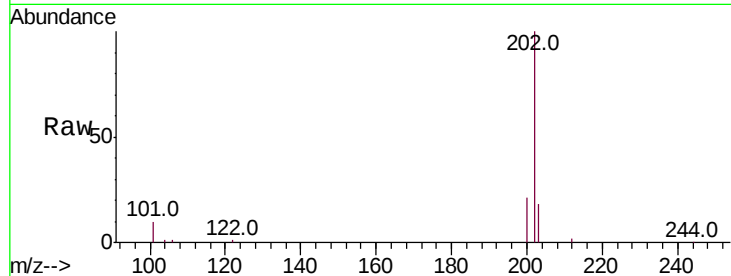
#26
Fluoranthene
 Concen: 0.244 ng
 RT: 19.16 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: BN004848.D
 Acq: 21 Mar 2019 14:04

Instrument :
 BNA_N
 ClientSampleId :
 C-MW-11_030719

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.5	11.3
203	17.5	13.8	20.6

Manual Integrations
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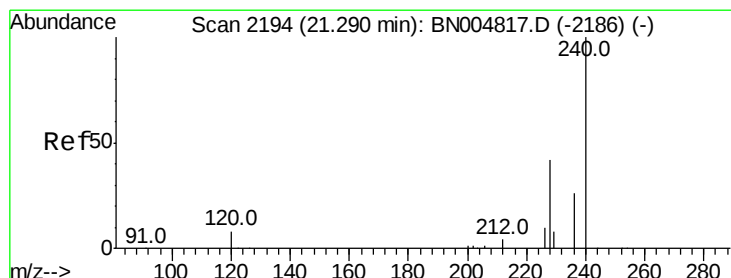
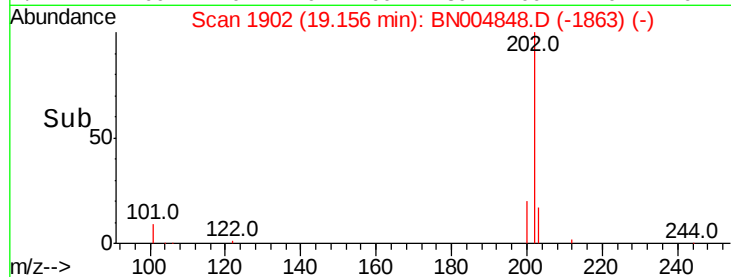
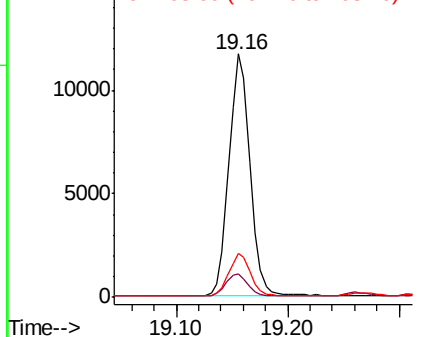


Abundance

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: 21.29 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: BN004848.D
 Acq: 21 Mar 2019 14:04

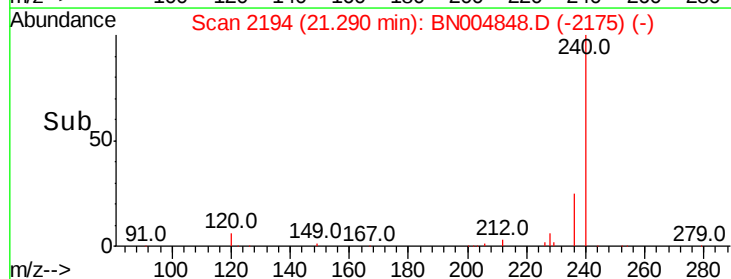
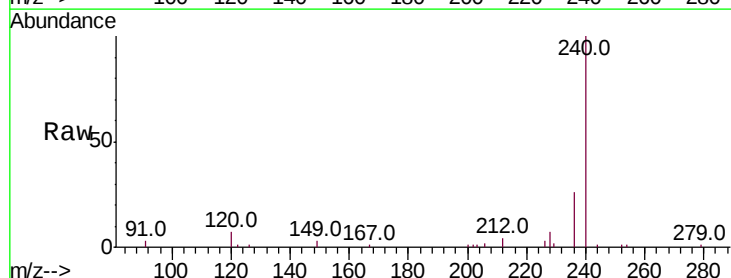
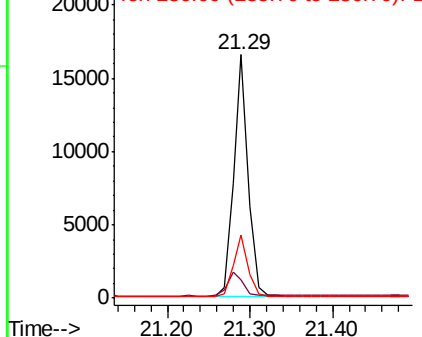
Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.3	7.2	10.8
236	25.9	20.9	31.3

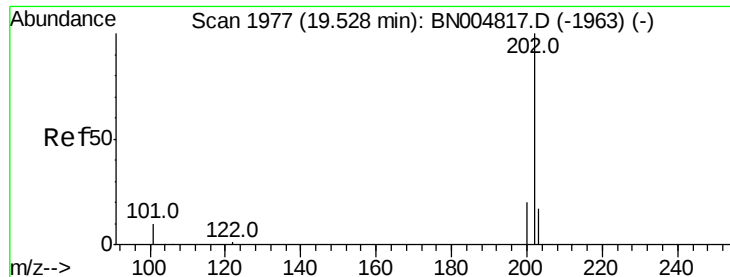
Abundance

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





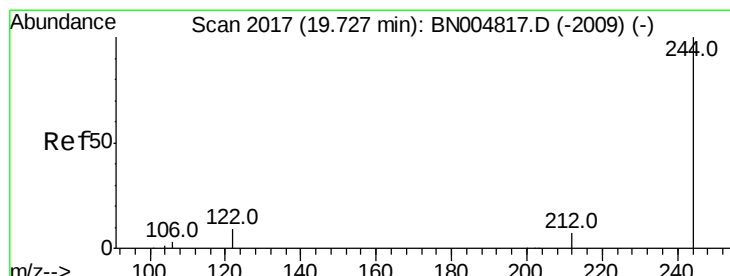
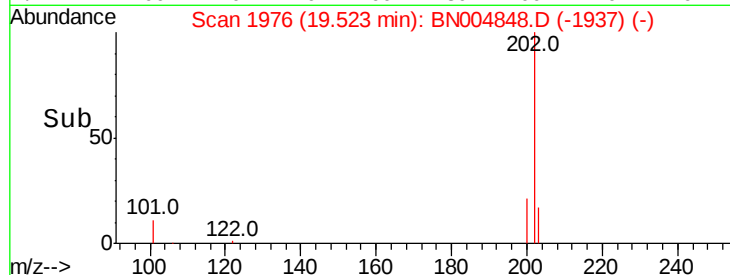
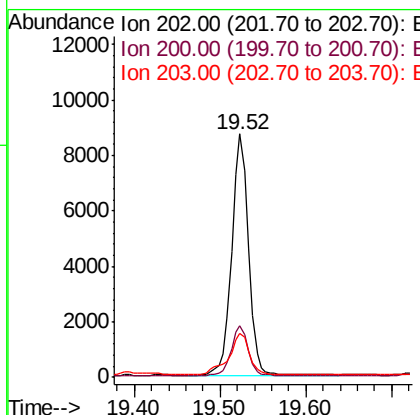
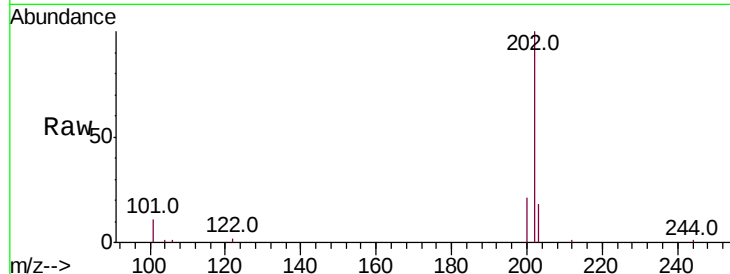
#28
Pvrene
Concen: 0.189 ng
RT: 19.52 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
C-MW-11_030719

Tot Ion	Ratio	Resp	Lower	Upper
202	100	11868		
200	20.6		16.3	24.5
203	20.5		14.0	21.0

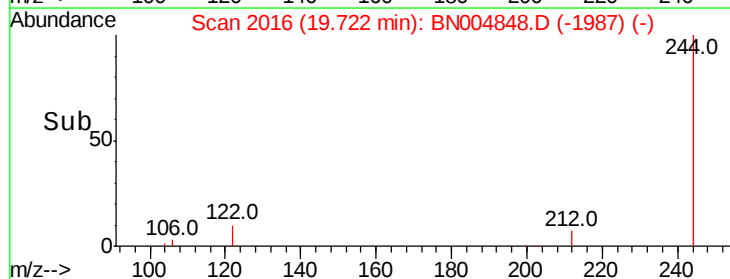
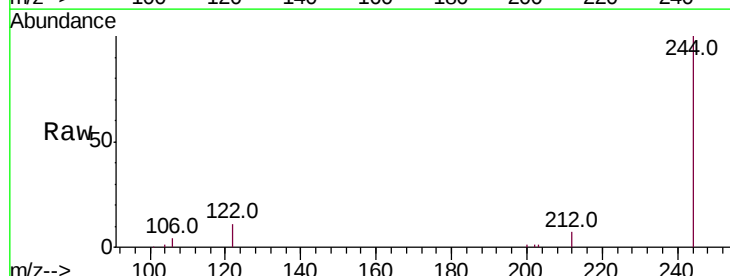
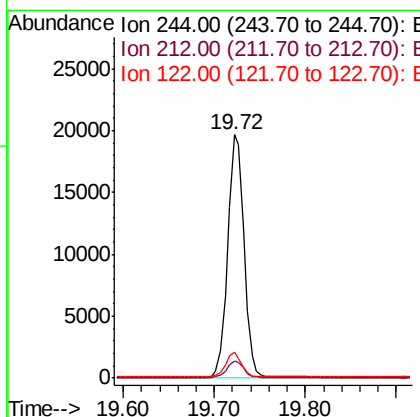
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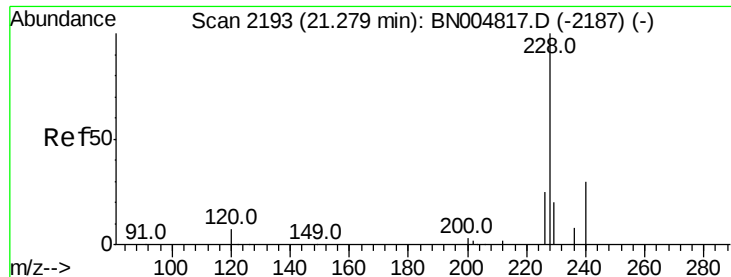
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#29
Terphenyl-d14
Concen: 0.581 ng
RT: 19.72 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	24445		
212	7.0		5.8	8.6
122	10.8		7.9	11.9





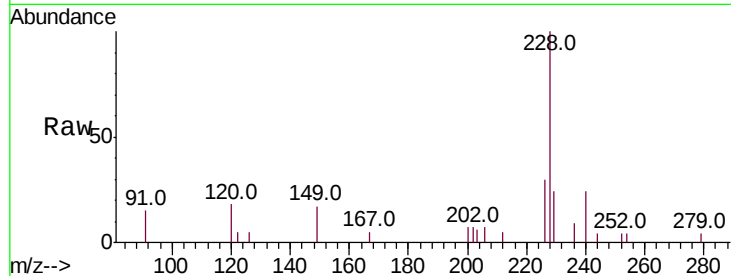
#30
Benzo(a)anthracene
Concen: 0.071 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
C-MW-11_030719

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	20.6	31.0
229	24.4	16.2	24.4

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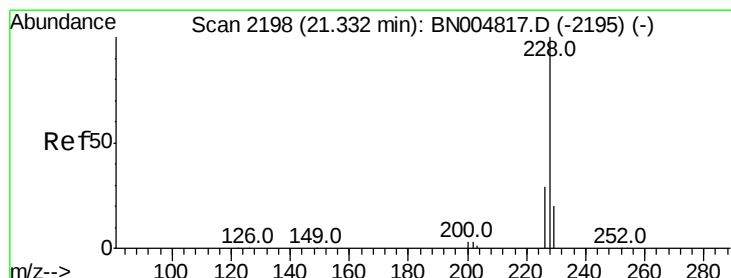
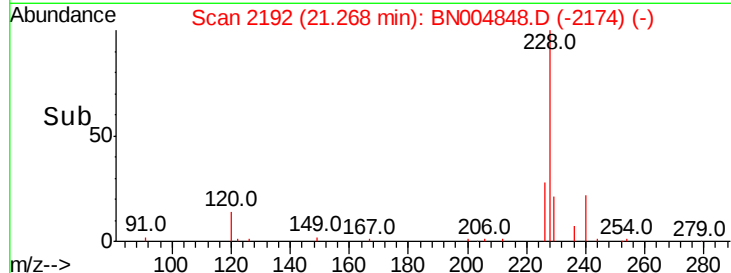
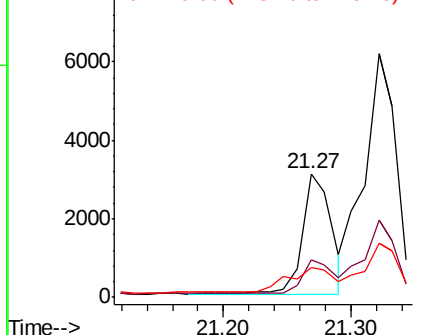


Abundance

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



#31
Chrysene
Concen: 0.149 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

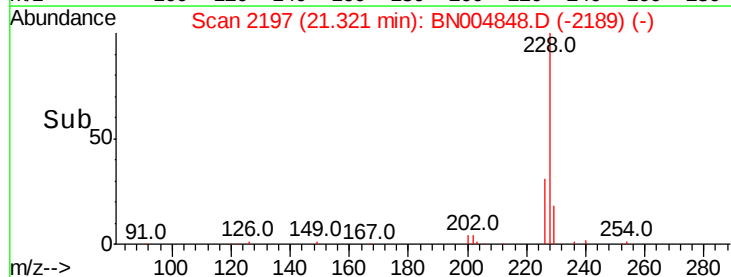
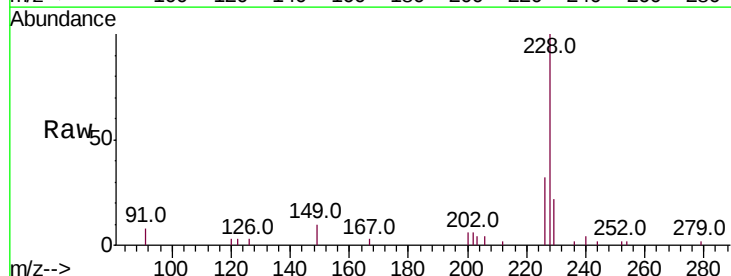
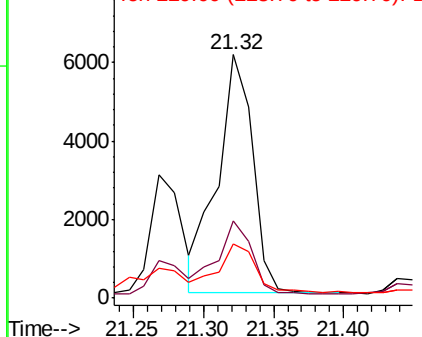
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.0	34.6
229	22.0	16.2	24.2

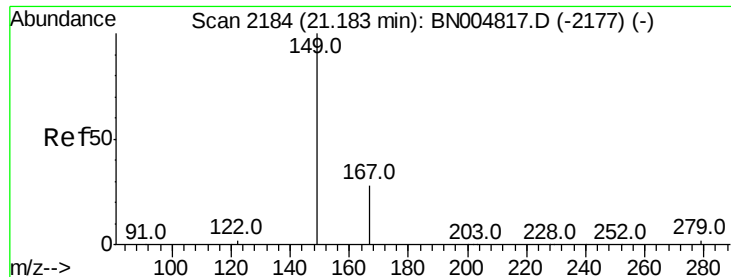
Abundance

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: 0.103 ng

RT: 21.18 min Scan# 2184

Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

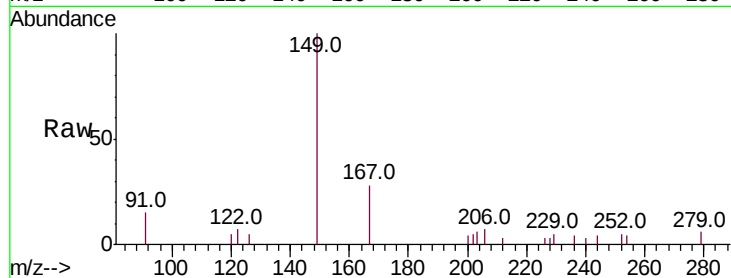
ClientSampleId :

C-MW-11_030719

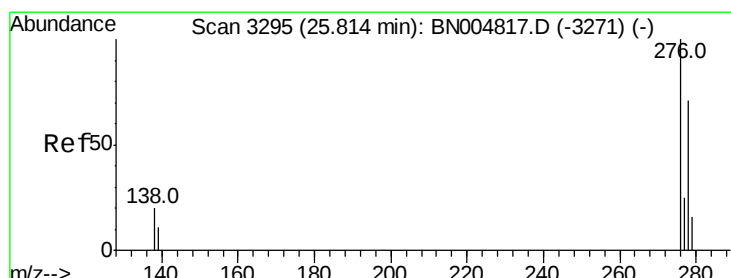
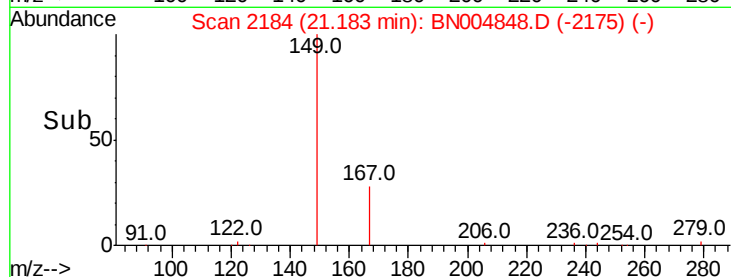
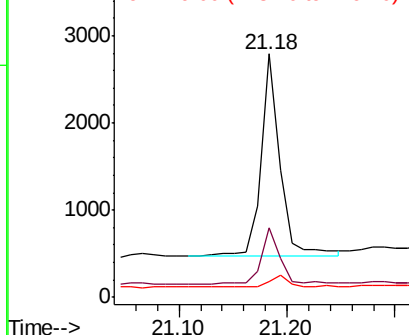
Tot Ion:	149	Resp:	2777
Ion Ratio	Lower	Upper	
149	100		
167	25.8	23.0	34.4
279	5.8	4.6	6.8

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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: 0.095 ng

RT: 25.81 min Scan# 3294

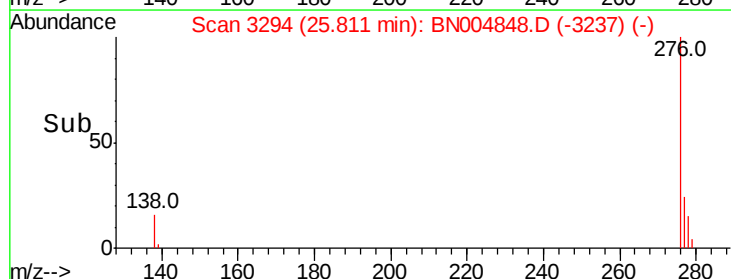
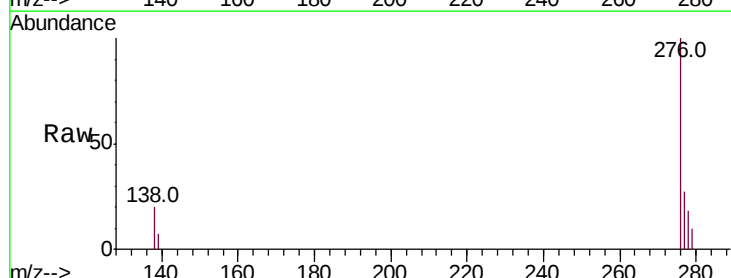
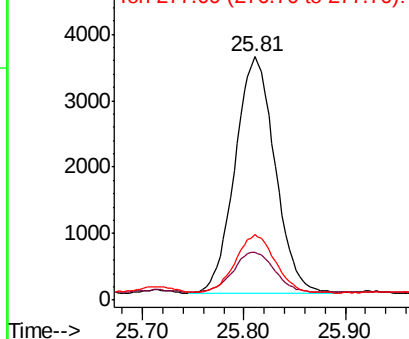
Delta R.T. -0.00 min

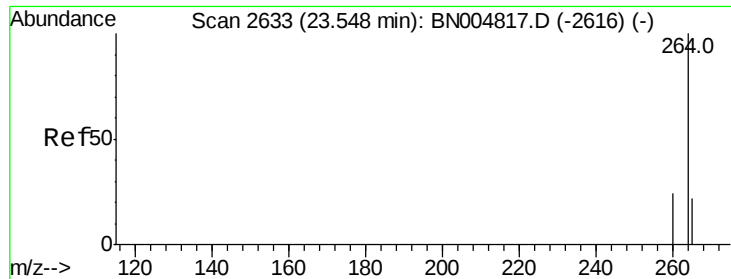
Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Tgt Ion:	276	Resp:	9775
Ion Ratio	Lower	Upper	
276	100		
138	17.5	16.6	24.8
277	24.5	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





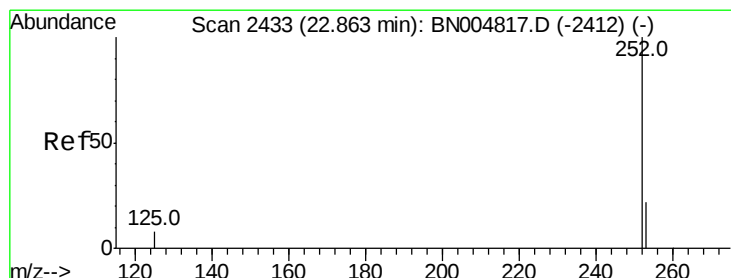
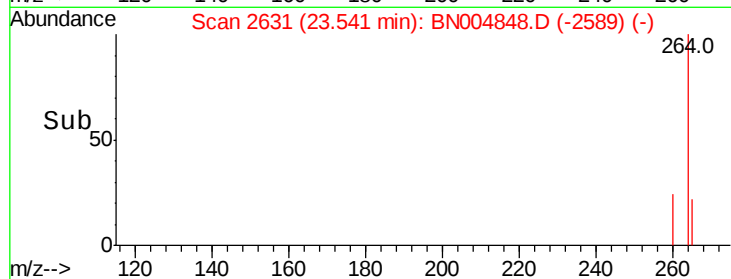
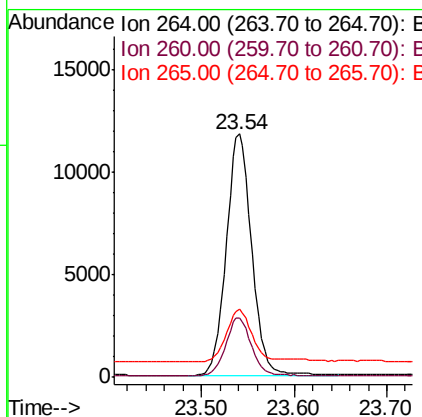
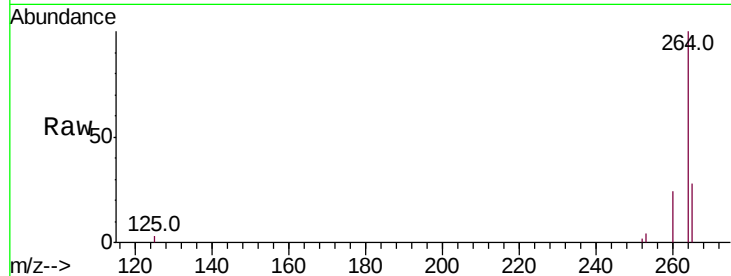
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2631
Delta R.T. -0.01 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
C-MW-11_030719

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	28.0	23.1	34.7

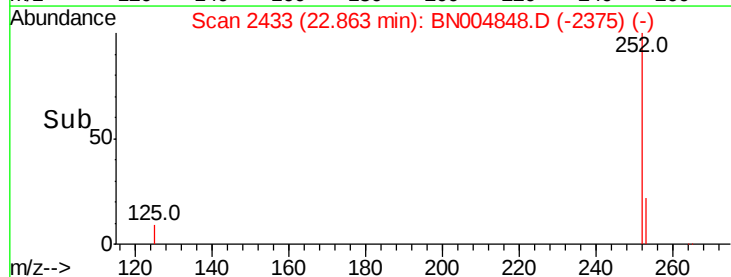
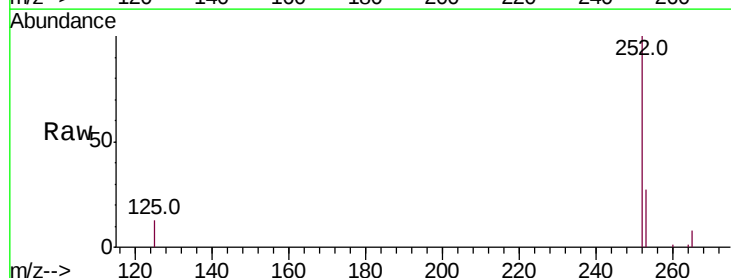
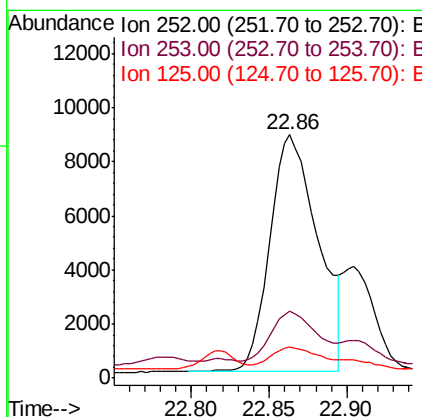
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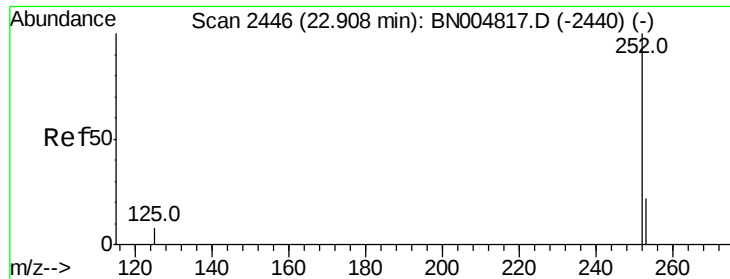
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#35
Benzo(b)fluoranthene
Concen: 0.231 ng
RT: 22.86 min Scan# 2433
Delta R.T. 0.00 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	19.0	28.4
125	12.7	7.4	11.2





#36

Benzo(k)fluoranthene

Concen: 0.069 ng m

RT: 22.90 min Scan# 2445

Delta R.T. -0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

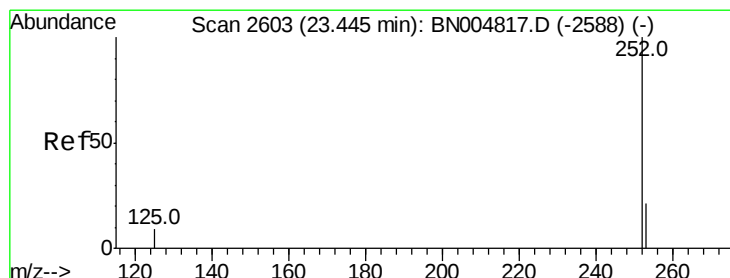
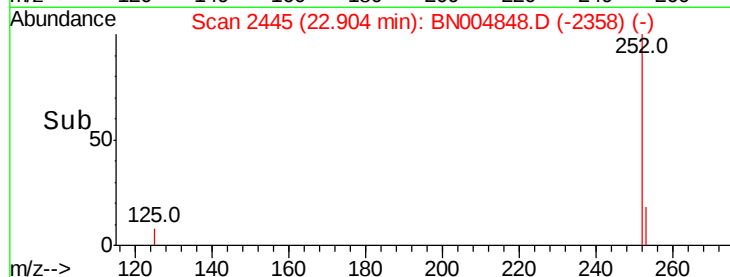
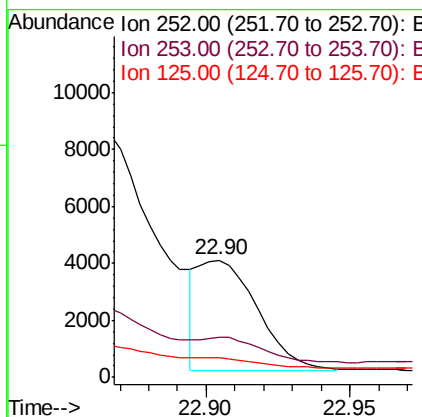
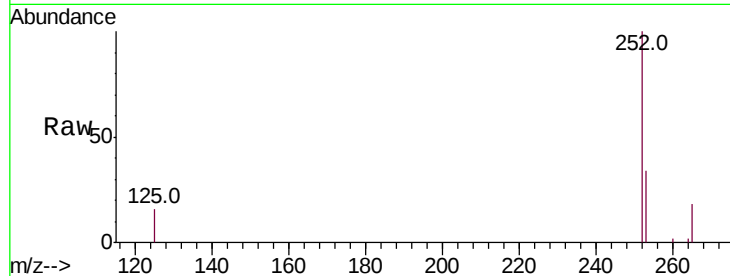
ClientSampleId :

C-MW-11_030719

Tot Ion:	252	Resp:	5571
Ion Ratio	Lower	Upper	
252	100		
253	33.7	19.3	28.9#
125	16.4	7.4	11.0#

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#37

Benzo(a)pyrene

Concen: 0.106 ng

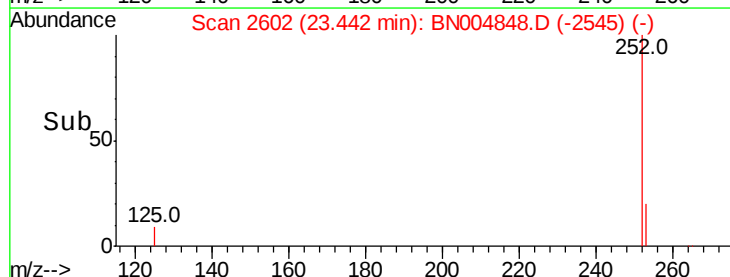
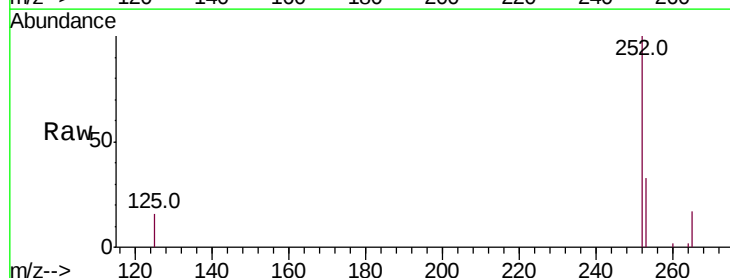
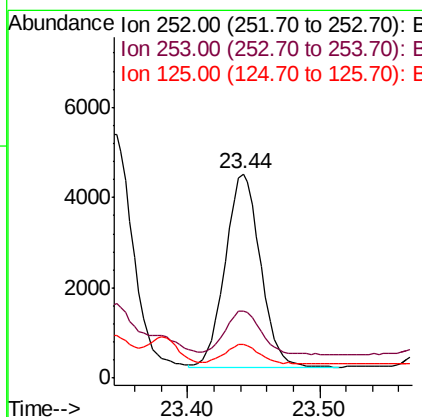
RT: 23.44 min Scan# 2602

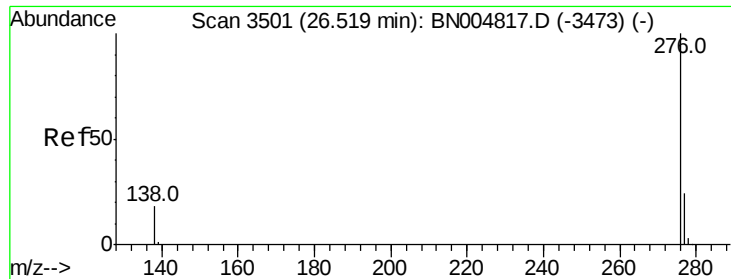
Delta R.T. -0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Tgt Ion:	252	Resp:	7965
Ion Ratio	Lower	Upper	
252	100		
253	32.8	19.7	29.5#
125	16.3	8.3	12.5#





#39

Benzo(a,h,i)perylene

Concen: 0.117 ng

RT: 26.51 min Scan# 3499

Delta R.T. -0.01 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

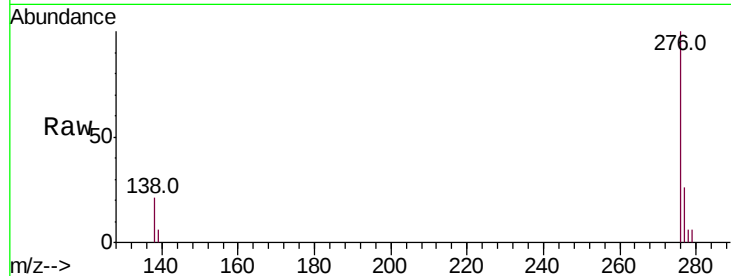
ClientSampleId :

C-MW-11_030719

Tot Ion:	276	Resp:	10346
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.7	29.5
138	20.8	14.6	22.0

Manual Integrations
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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

