

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004845.D
 Acq On : 21 Mar 2019 12:19
 Operator : JU/SJ
 Sample : K1842-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C-MW-10_030719

Manual Integrations
 APPROVED

Sohil
 3/22/2019 7:16:16 PM

Quant Time: Mar 22 02:13:07 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	3849	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	17485	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	11005	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	28618	0.40	ng	0.00
27) Chrysene-d12	21.29	240	38146	0.40	ng	0.00
34) Perylene-d12	23.54	264	42125	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	1721	0.16	ng	0.00
5) Phenol-d6	6.87	99	1418	0.11	ng	0.00
8) Nitrobenzene-d5	8.86	82	3952	0.34	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	10899	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	2917	0.38	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	16886	0.37	ng	-0.01
25) Fluoranthene-d10	19.12	212	37039	0.39	ng	0.00
29) Terphenyl-d14	19.72	244	39748	0.51	ng	0.00

Target Compounds				Qvalue		
23) Phenanthrene	17.13	178	16963	0.184	ng	99
26) Fluoranthene	19.16	202	55136	0.464	ng	100
28) Pyrene	19.52	202	41681	0.358	ng	# 96
30) Benzo(a)anthracene	21.27	228	15229	0.122	ng	96
31) Chrysene	21.32	228	29979	0.228	ng	98
32) Bis(2-ethylhexyl)phthalate	21.18	149	4874	0.098	ng	98
33) Indeno(1,2,3-cd)pyrene	25.80	276	24933	0.131	ng	96
35) Benzo(b)fluoranthene	22.86	252	47326	0.311	ng	98
36) Benzo(k)fluoranthene	22.90	252	14898m	0.099	ng	
37) Benzo(a)pyrene	23.44	252	22187	0.159	ng	# 95
38) Dibenzo(a,h)anthracene	25.81	278	5024	0.031	ng	# 72
39) Benzo(a,h,i)perylene	26.51	276	26548	0.161	ng	98

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

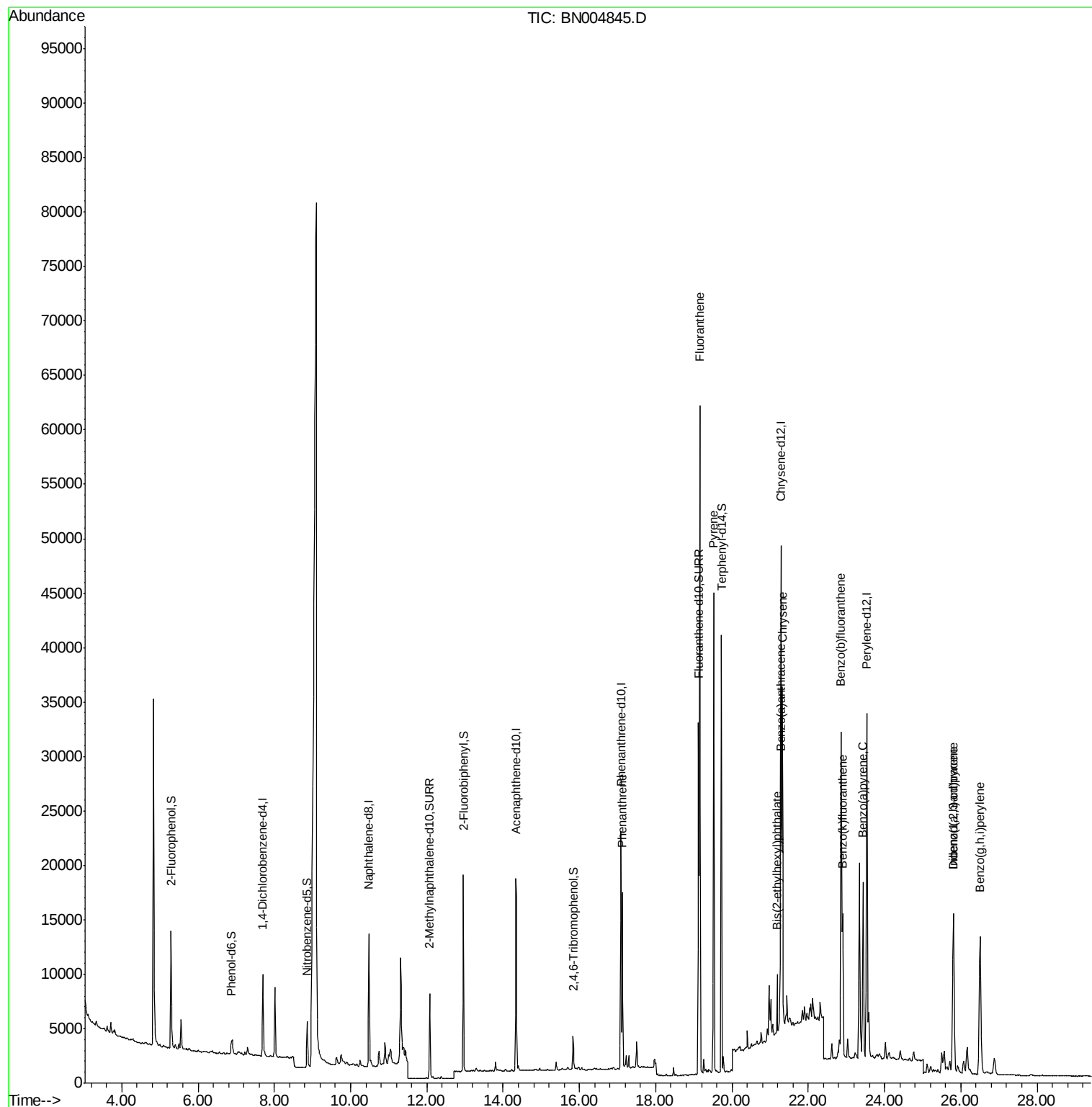
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
Data File : BN004845.D
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Operator : JU/SJ
Sample : K1842-04
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ALS Vial : 4 Sample Multiplier: 1

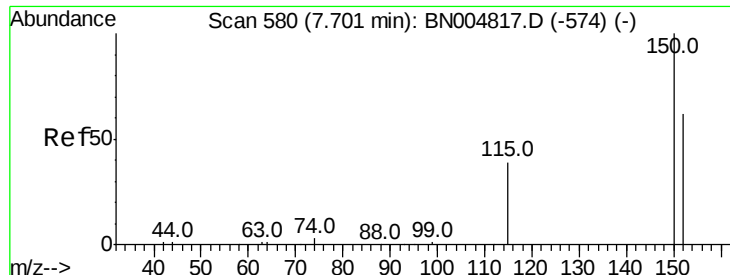
Instrument :
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C-MW-10_030719

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#1

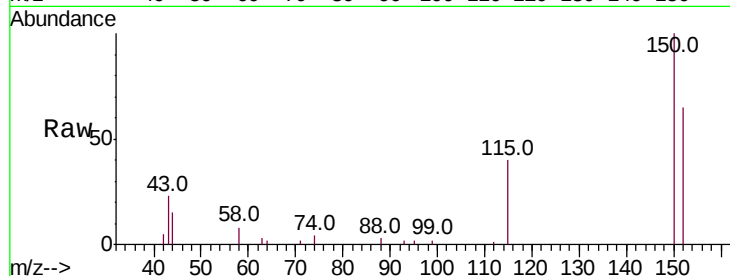
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. 0.00 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Instrument :
BNA_N
ClientSampleId :
C-MW-10_030719

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.2	189.4
115	60.9	52.6	79.0

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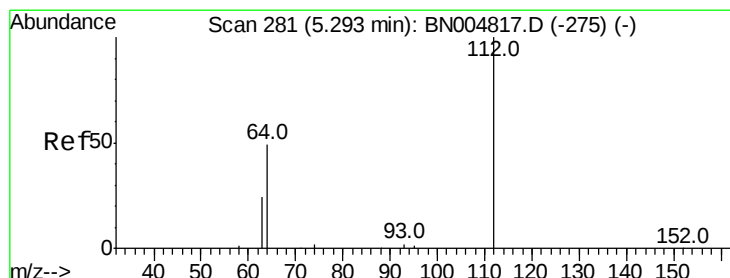
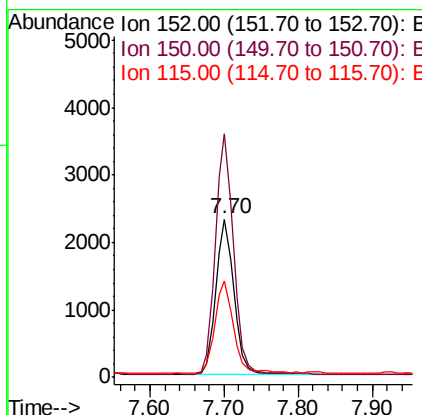
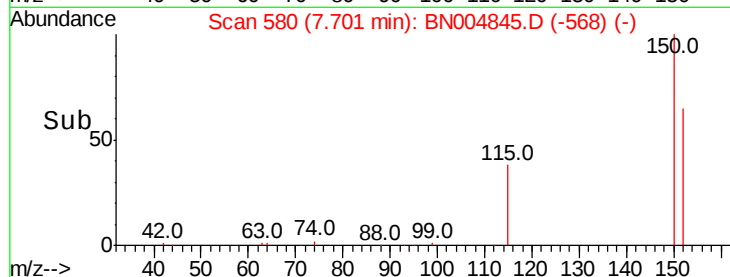


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

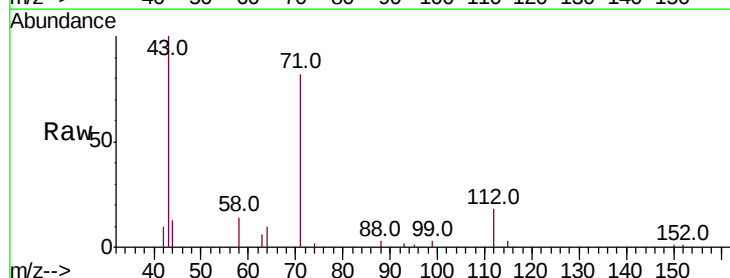
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.165 ng
RT: 5.29 min Scan# 281
Delta R.T. 0.00 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	40.0	60.0
63	26.4	20.2	30.2

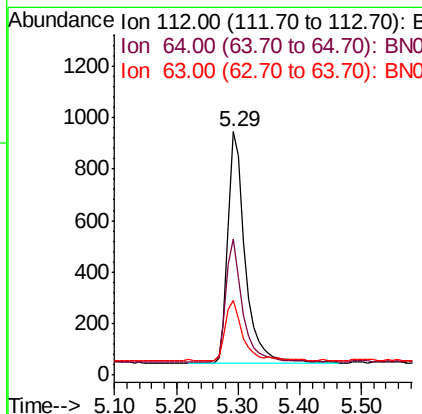
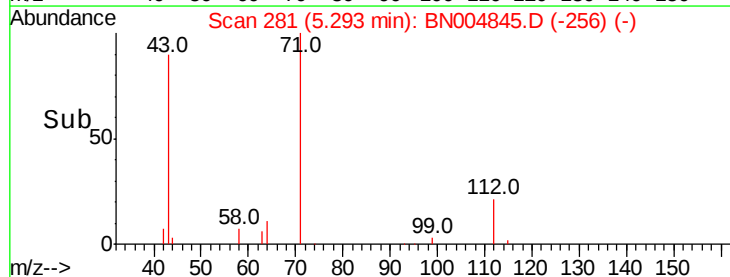


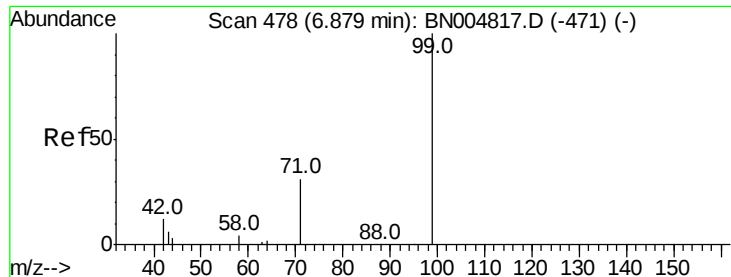
Abundance

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: 0.109 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

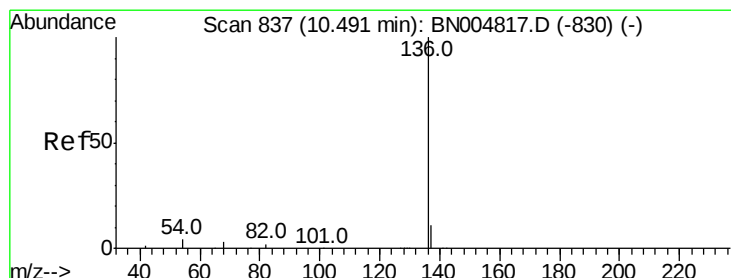
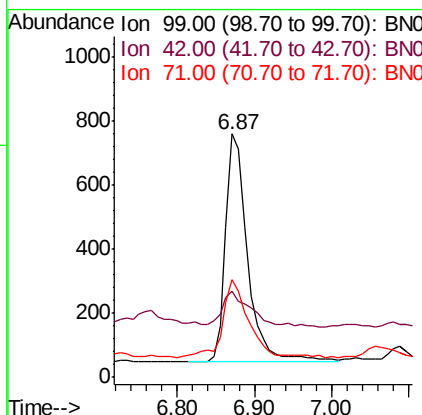
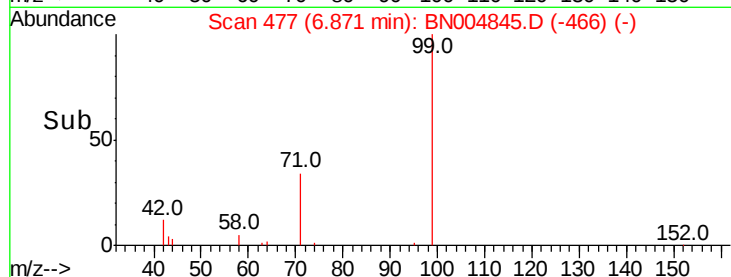
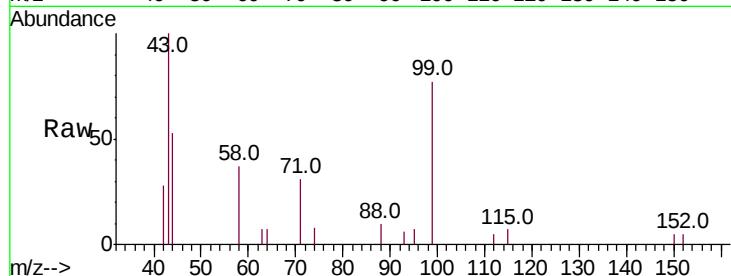
ClientSampleId :

C-MW-10_030719

Tot Ion:	99	Resp:	1418
Ion	Ratio	Lower	Upper
99	100		
42	16.4	12.7	19.1
71	39.8	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

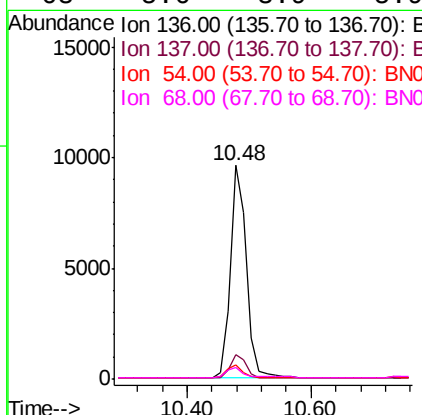
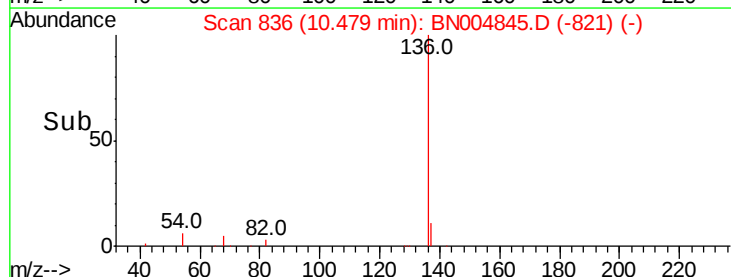
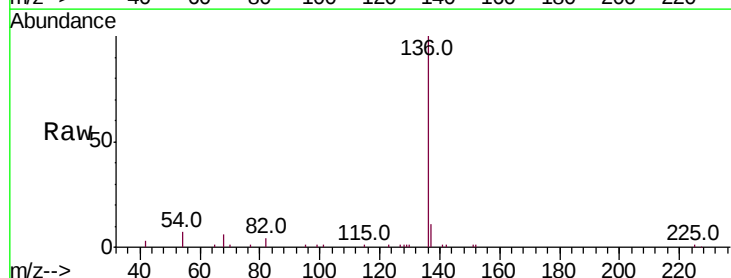
RT: 10.48 min Scan# 836

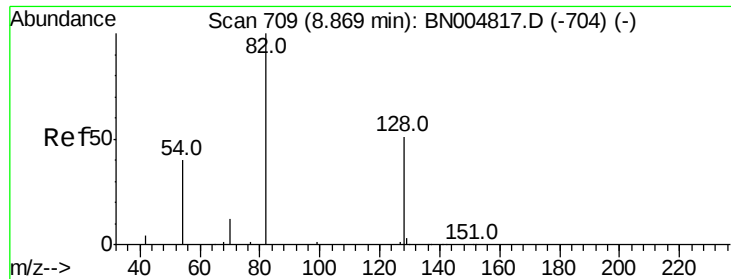
Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Tgt Ion:	136	Resp:	17485
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.6	14.4
54	6.5	4.2	6.2#
68	5.6	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.342 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

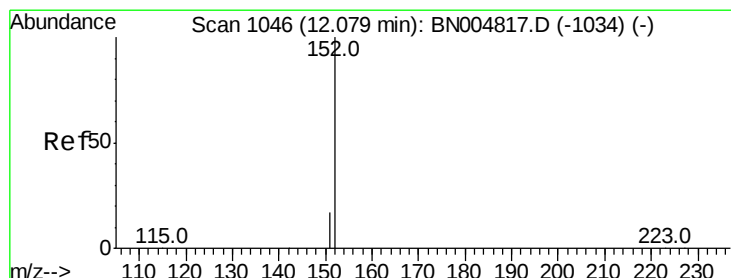
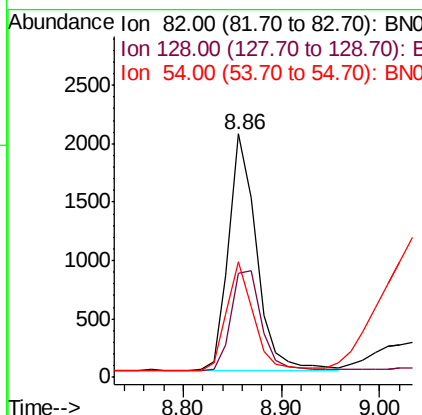
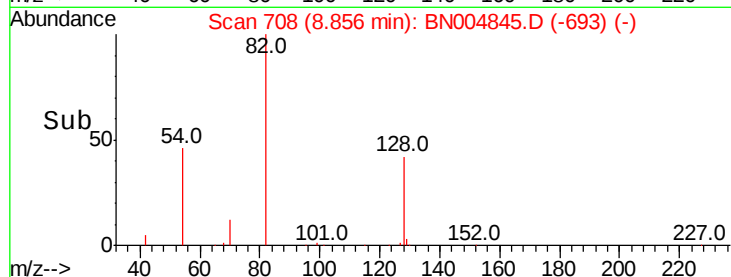
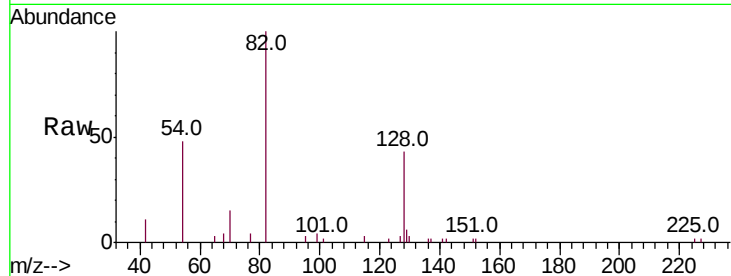
ClientSampleId :

C-MW-10_030719

Tot Ion:	82	Resp:	3952
Ion Ratio	Lower	Upper	
82	100		
128	43.0	43.0	64.6#
54	47.7	35.3	52.9

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#11

2-Methylnaphthalene-d10

Concen: 0.357 ng

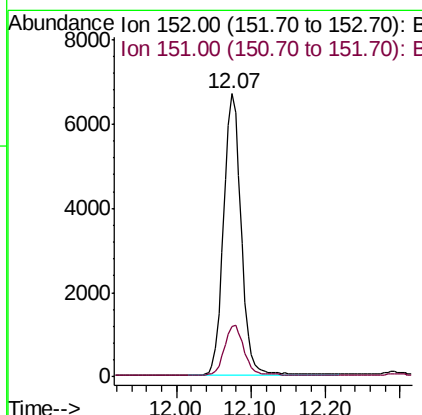
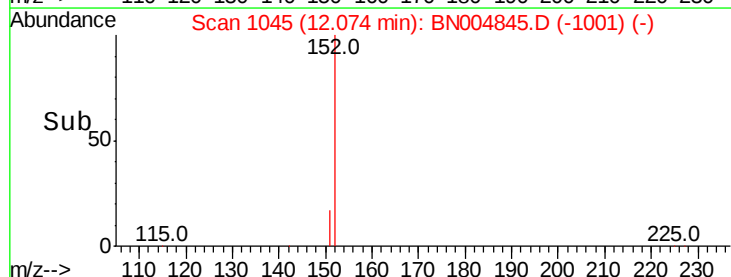
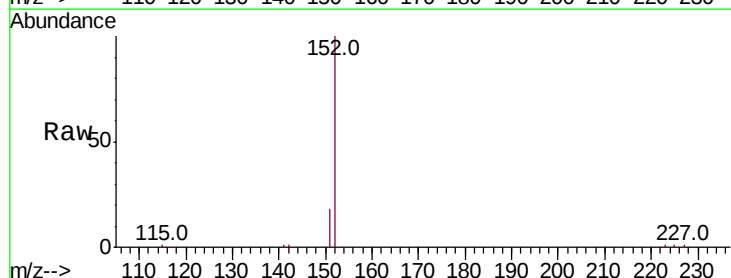
RT: 12.07 min Scan# 1045

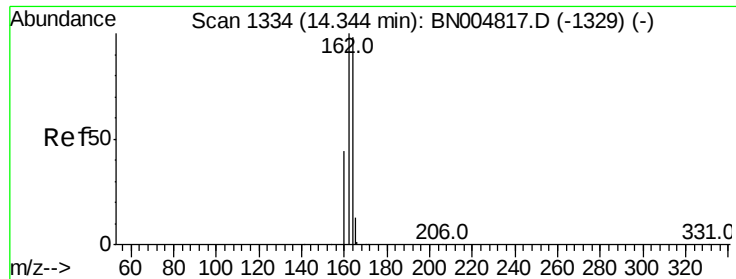
Delta R.T. -0.00 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Tgt Ion:	152	Resp:	10899
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.5	23.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

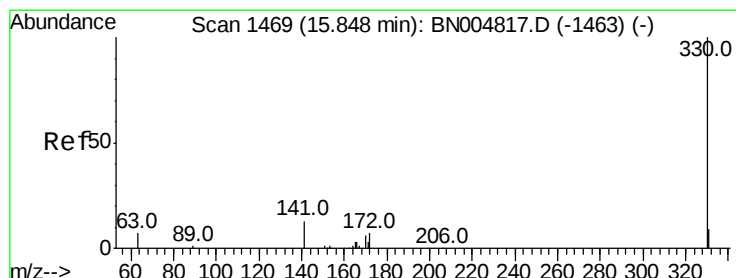
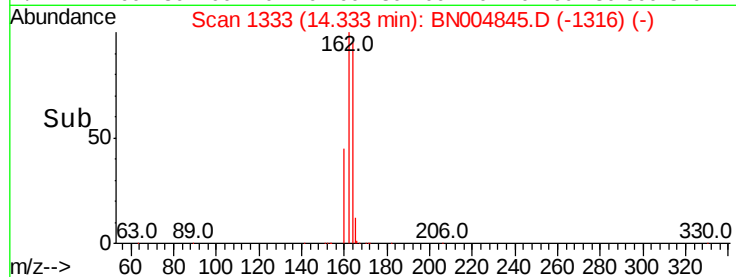
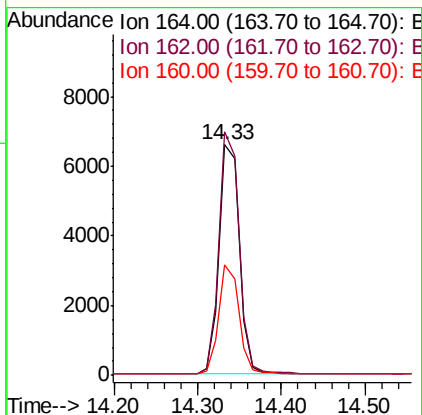
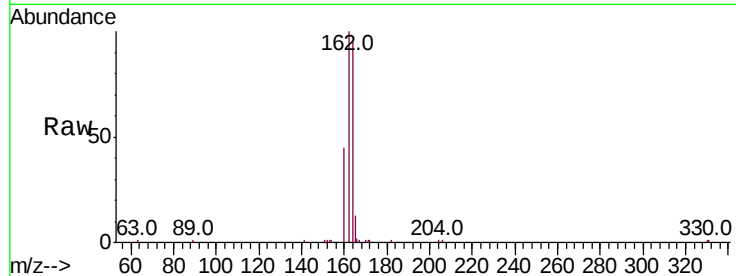
ClientSampleId :

C-MW-10_030719

Tot Ion:	164	Resp:	11005
Ion Ratio	Lower	Upper	
164	100		
162	105.6	81.9	122.9
160	47.9	36.6	54.8

Manual Integrations
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#14

2,4,6-Tribromophenol

Concen: 0.384 ng

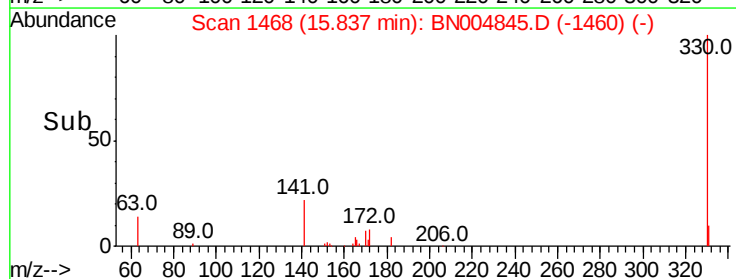
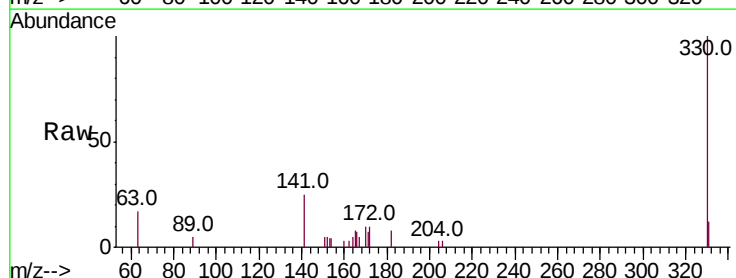
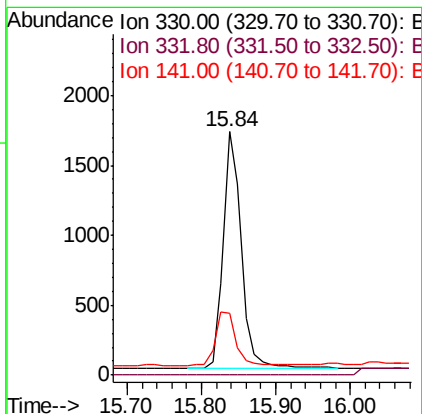
RT: 15.84 min Scan# 1468

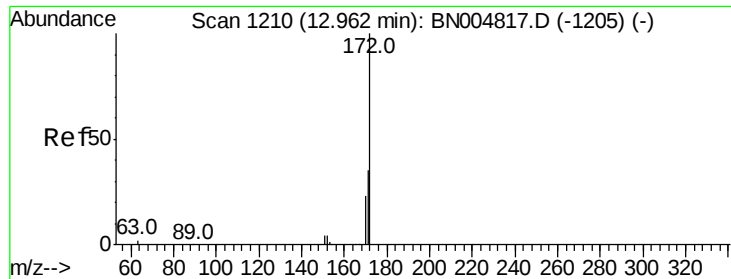
Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Tgt Ion:	330	Resp:	2917
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	26.3	20.9	31.3





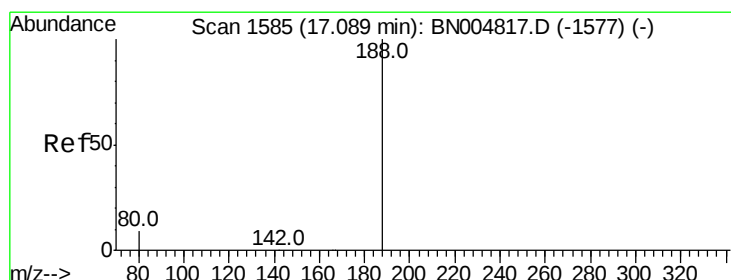
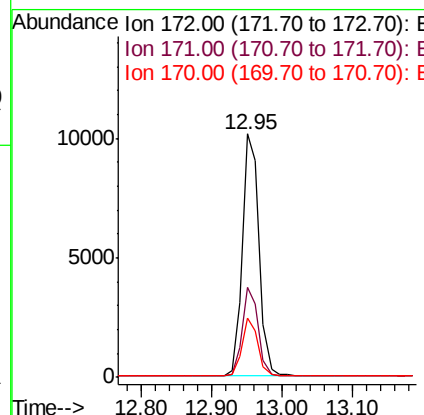
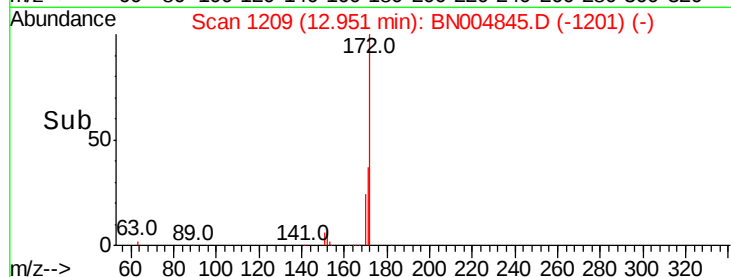
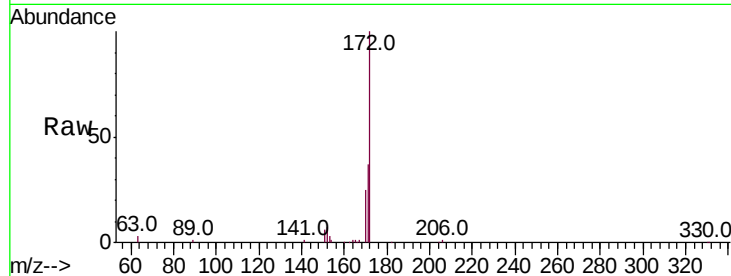
#15
2-Fluorobiphenyl
Concen: 0.371 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Instrument :
BNA_N
ClientSampleId :
C-MW-10_030719

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.7	43.1
170	24.5	18.7	28.1

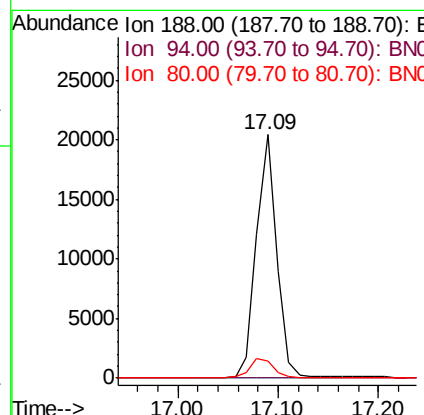
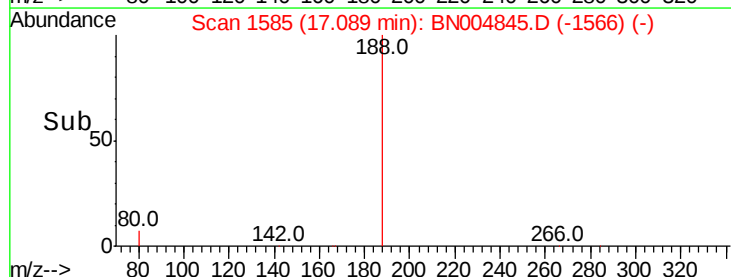
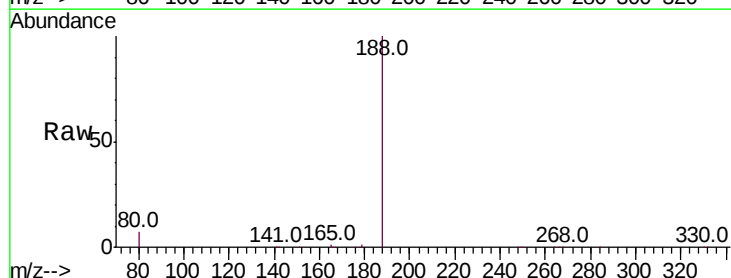
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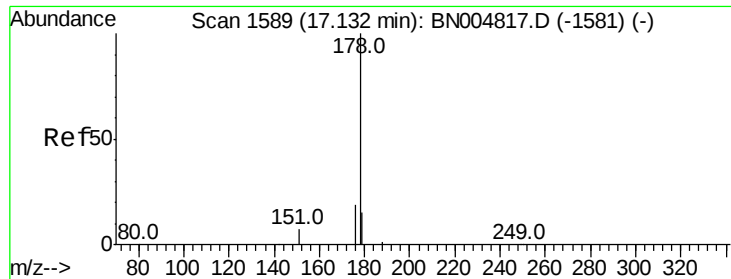
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.1	7.4	11.2#





#23

Phenanthrene

Concen: 0.184 ng

RT: 17.13 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

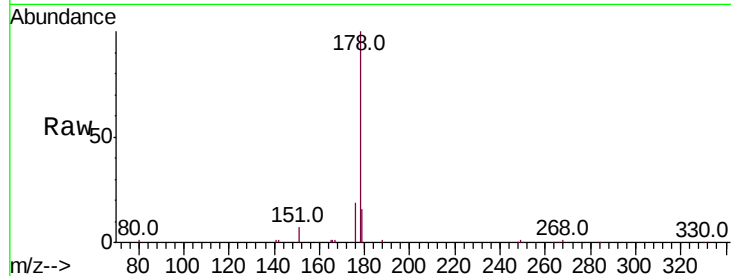
ClientSampleId :

C-MW-10_030719

Tot Ion:	178	Resp:	16963
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.9	22.3
179	15.8	12.1	18.1

Manual Integrations
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3/22/2019 7:16:16 PM

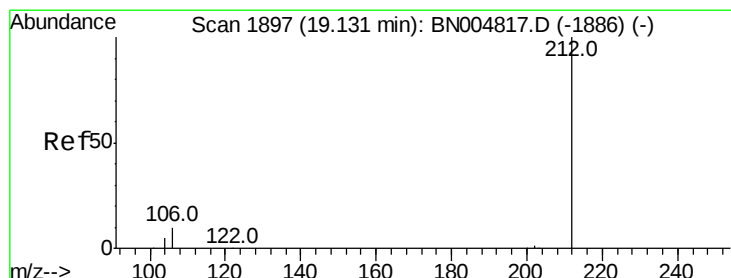
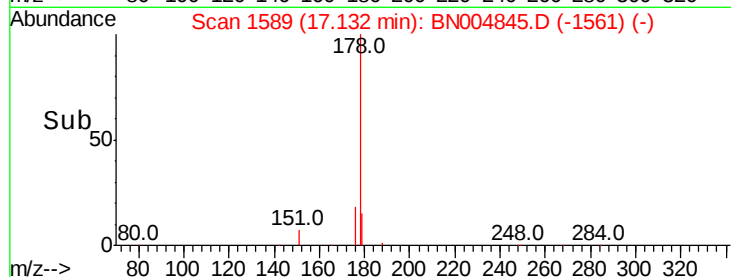
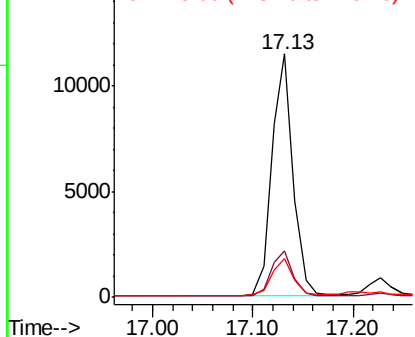


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.387 ng

RT: 19.12 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

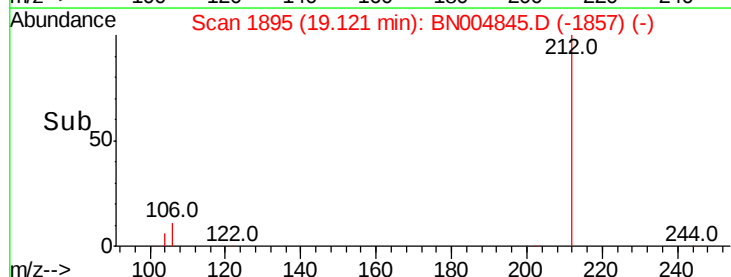
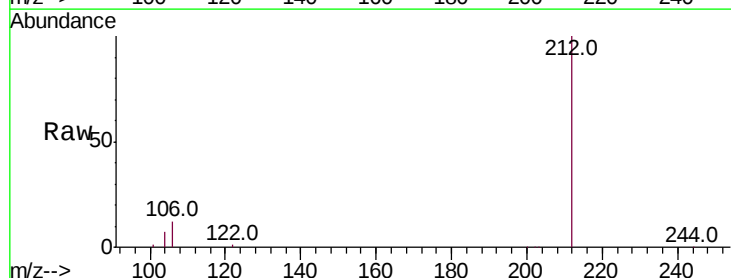
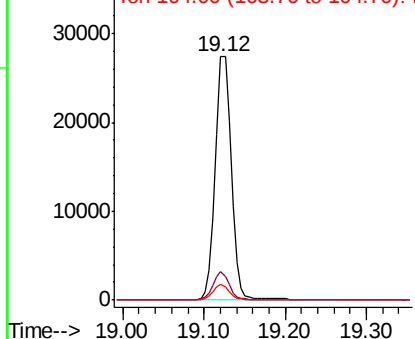
Tgt Ion:	212	Resp:	37039
Ion Ratio	Lower	Upper	
212	100		
106	10.9	8.6	13.0
104	6.0	4.7	7.1

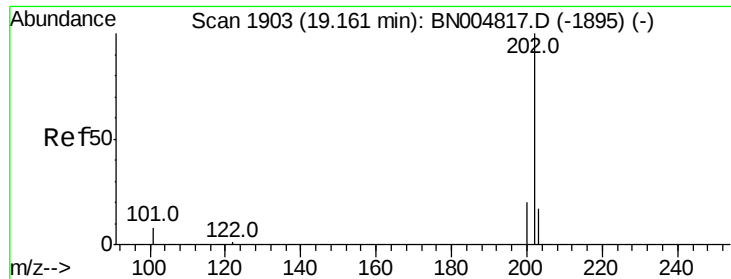
Abundance

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





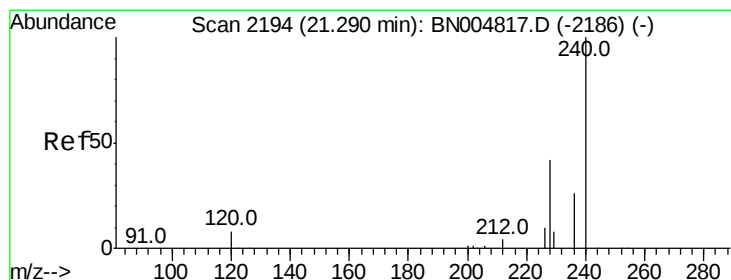
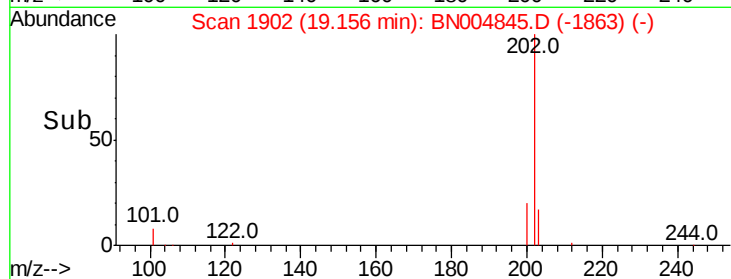
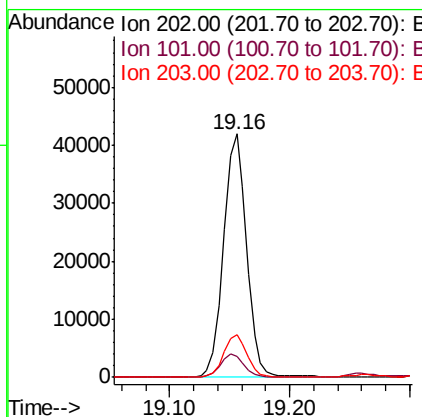
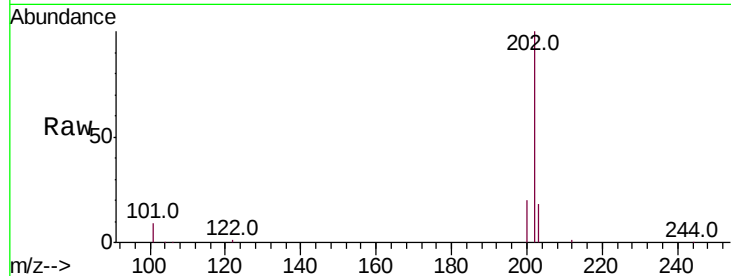
#26
Fluoranthene
Concen: 0.464 ng
RT: 19.16 min Scan# 1902
Delta R.T. -0.00 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Instrument :
BNA_N
ClientSampleId :
C-MW-10_030719

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.5	11.3
203	17.3	13.8	20.6

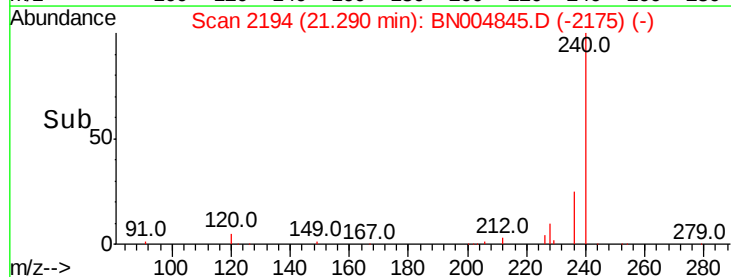
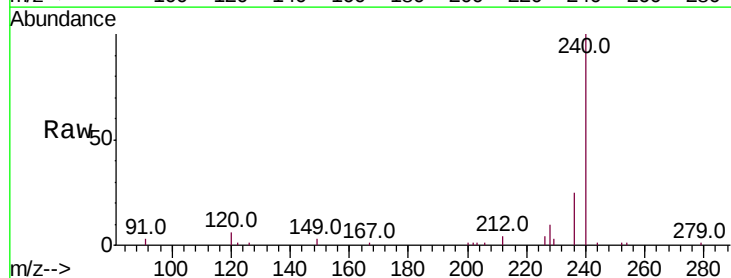
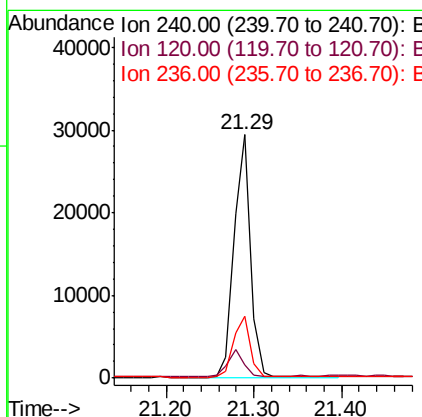
Manual Integrations
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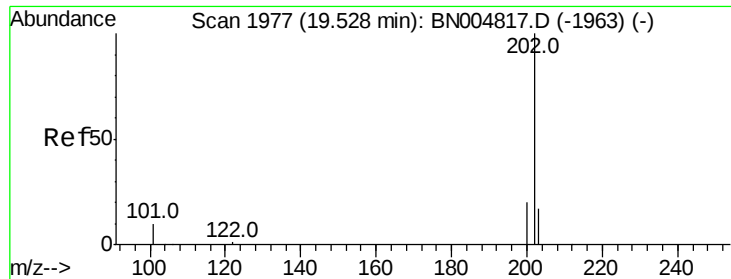
Sohil
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.6	7.2	10.8#
236	25.4	20.9	31.3





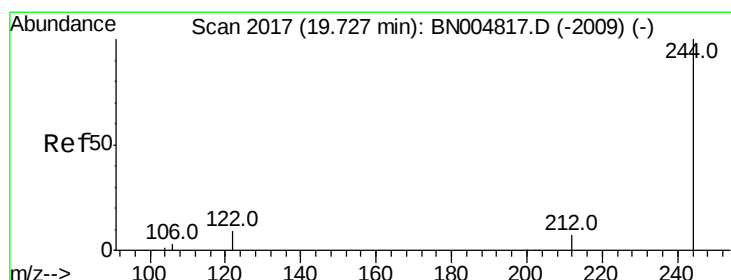
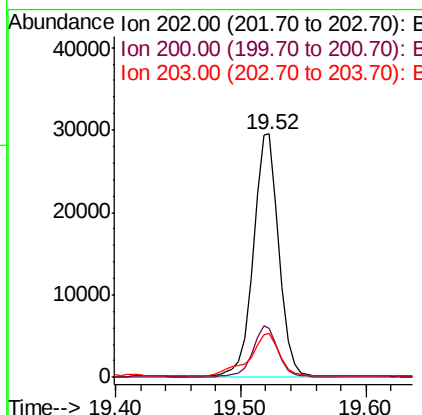
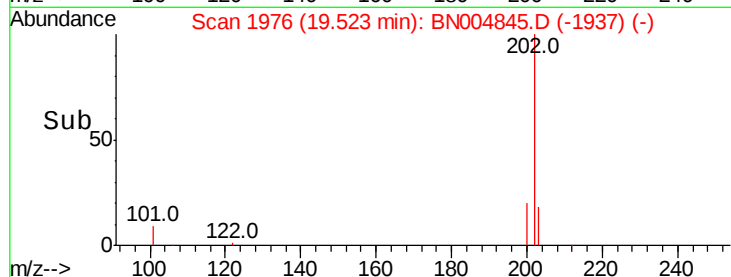
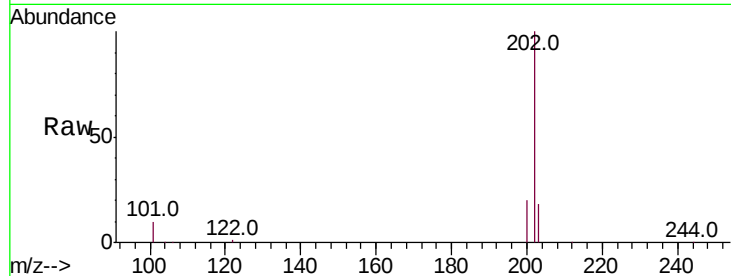
#28
Pvrene
Concen: 0.358 ng
RT: 19.52 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Instrument :
BNA_N
ClientSampleId :
C-MW-10_030719

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	21.1	14.0	21.0

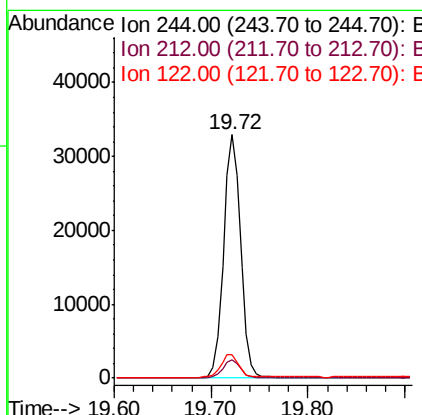
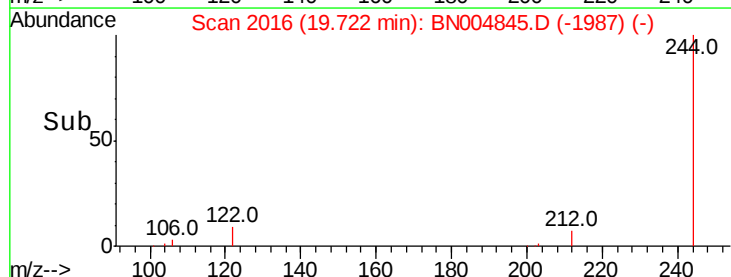
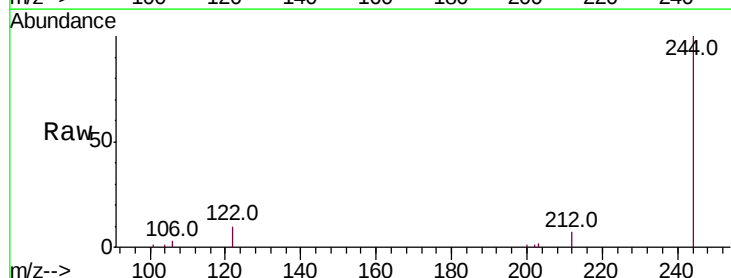
Manual Integrations
APPROVED

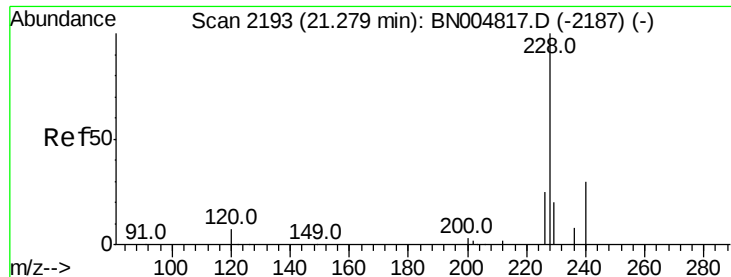
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#29
Terphenyl-d14
Concen: 0.509 ng
RT: 19.72 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	9.5	7.9	11.9





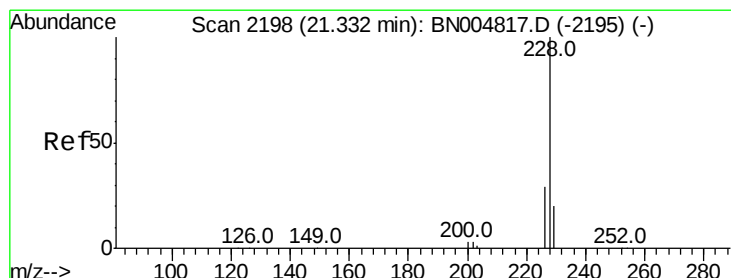
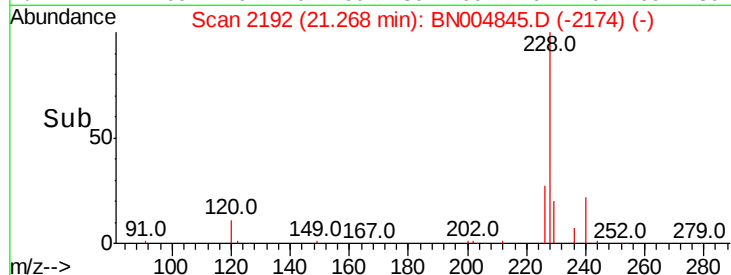
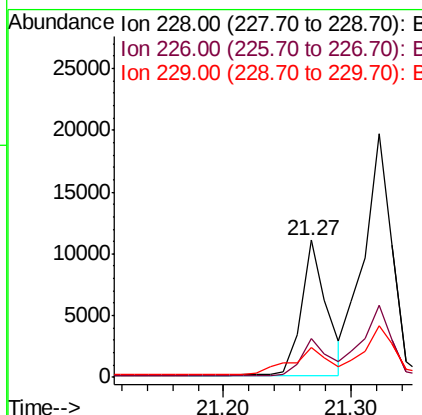
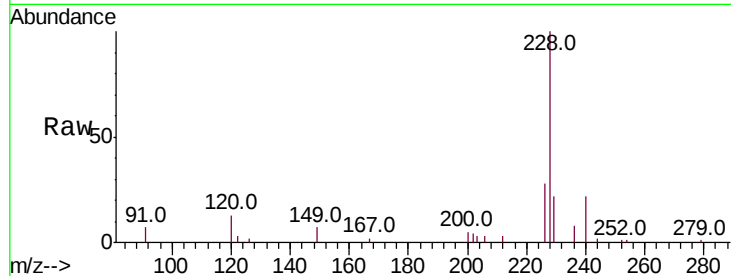
#30
Benzo(a)anthracene
Concen: 0.122 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Instrument :
BNA_N
ClientSampled :
C-MW-10_030719

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	20.6	31.0
229	22.0	16.2	24.4

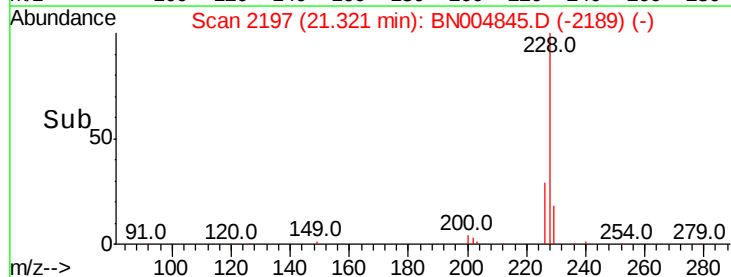
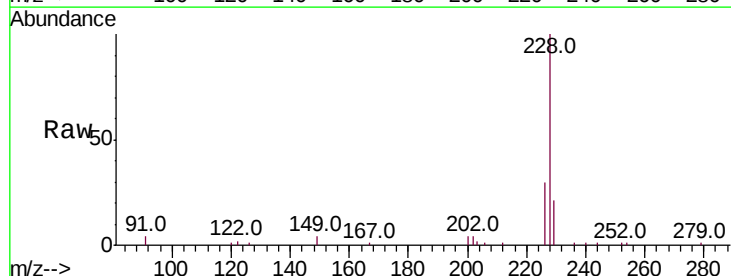
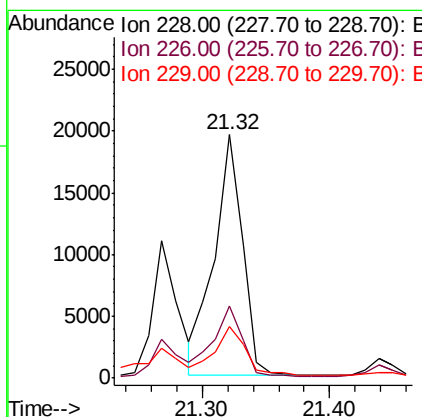
Manual Integrations
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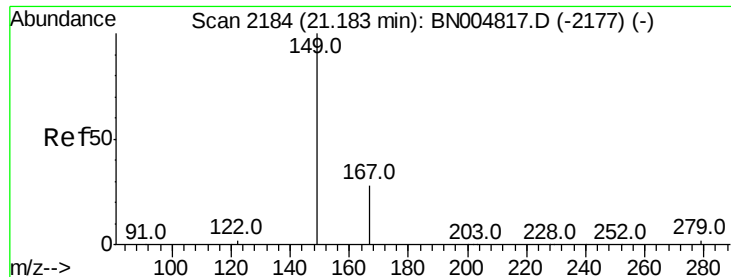
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#31
Chrysene
Concen: 0.228 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.0	34.6
229	21.4	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.098 ng

RT: 21.18 min Scan# 2184

Delta R.T. 0.00 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

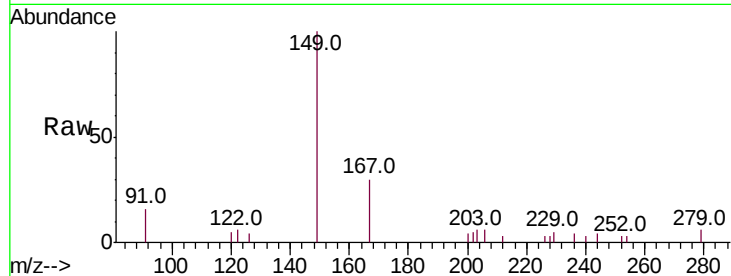
ClientSampleId :

C-MW-10_030719

Tot Ion:	149	Resp:	4874
Ion Ratio	Lower	Upper	
149	100		
167	27.4	23.0	34.4
279	6.2	4.6	6.8

Manual Integrations
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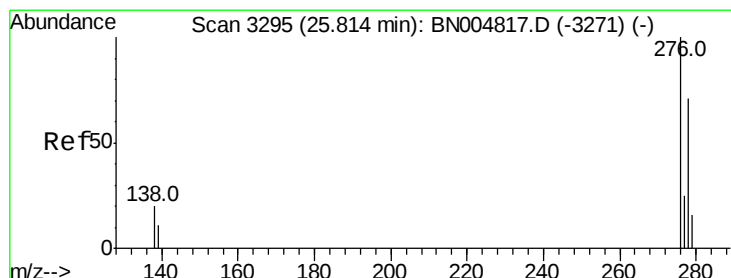
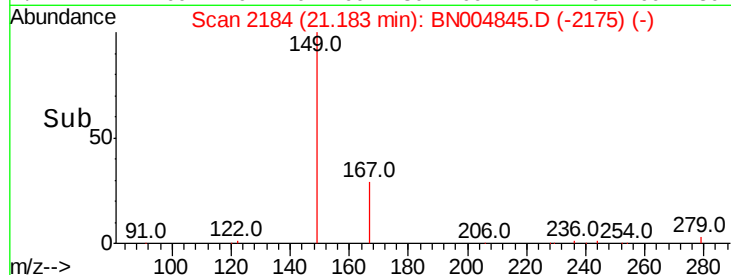
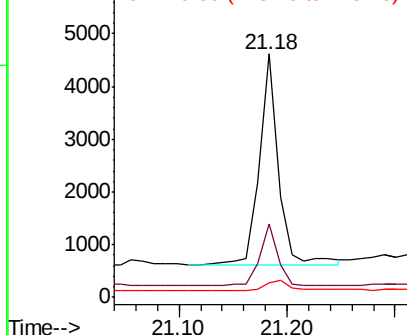


Abundance

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: 0.131 ng

RT: 25.80 min Scan# 3292

Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

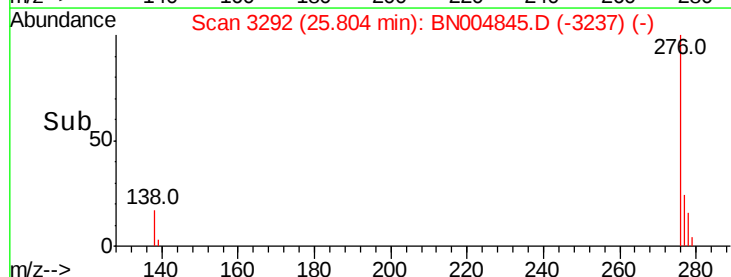
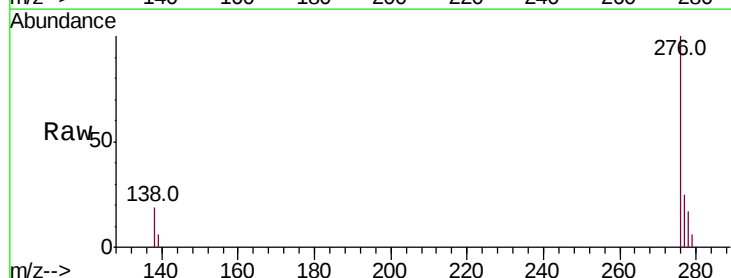
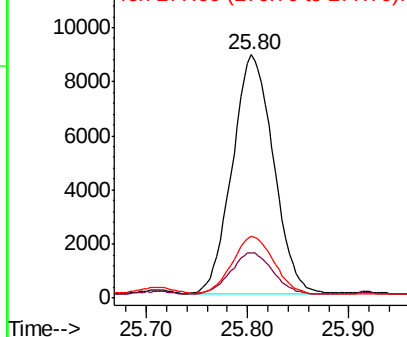
Tgt Ion:	276	Resp:	24933
Ion Ratio	Lower	Upper	
276	100		
138	17.8	16.6	24.8
277	24.5	20.3	30.5

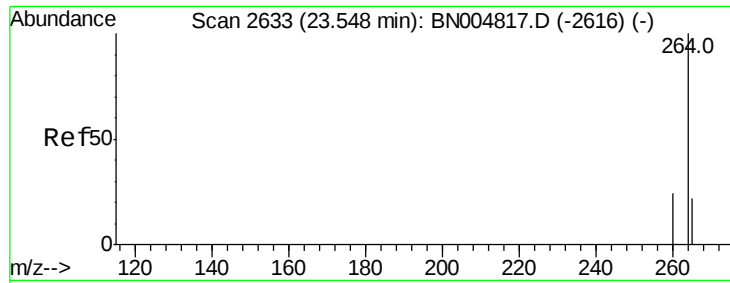
Abundance

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





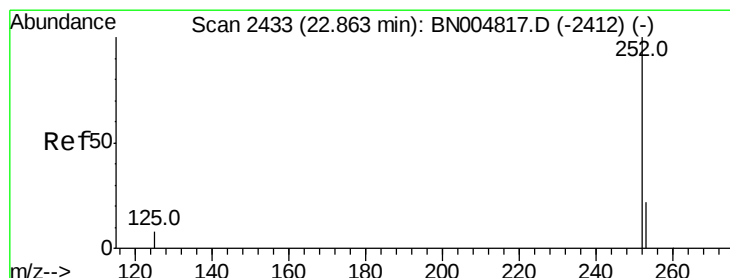
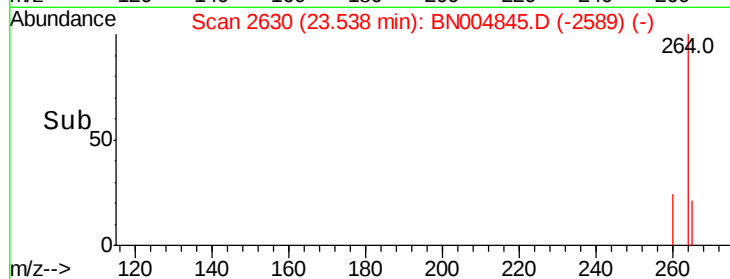
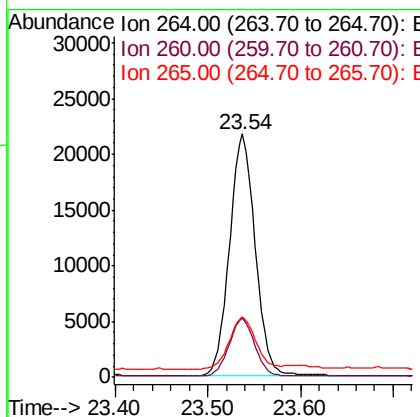
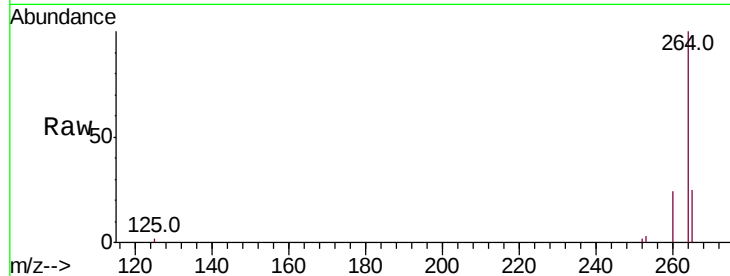
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2630
Delta R.T. -0.01 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Instrument :
BNA_N
ClientSampleId :
C-MW-10_030719

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	24.7	23.1	34.7

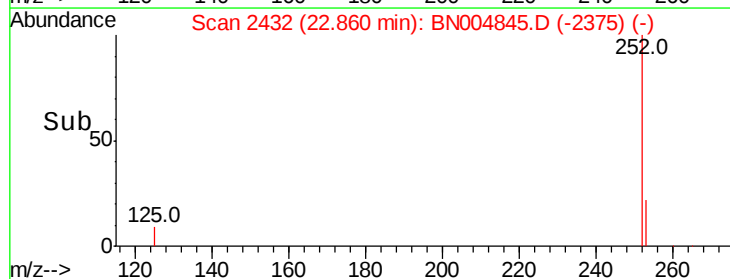
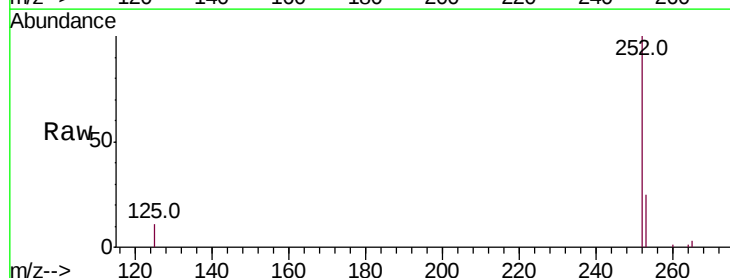
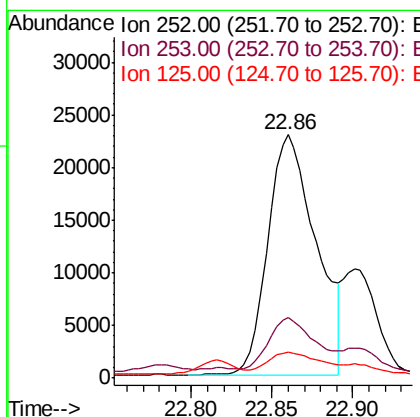
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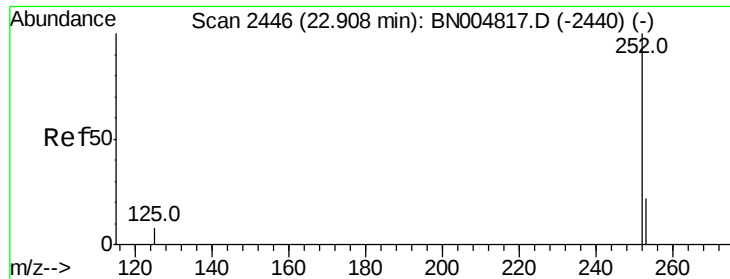
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#35
Benzo(b)fluoranthene
Concen: 0.311 ng
RT: 22.86 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.0	28.4
125	10.7	7.4	11.2





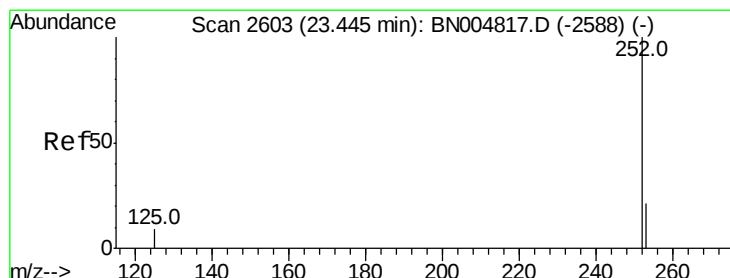
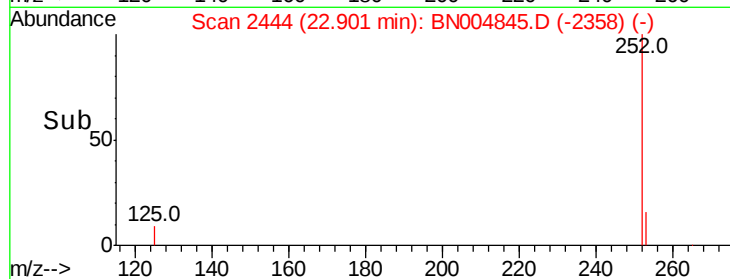
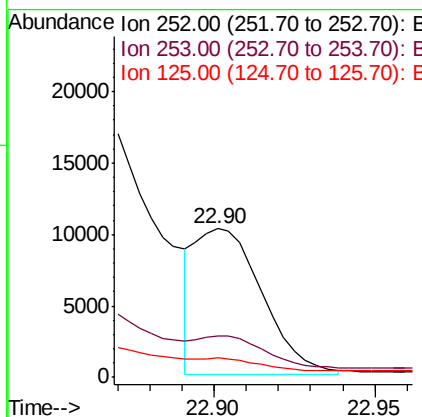
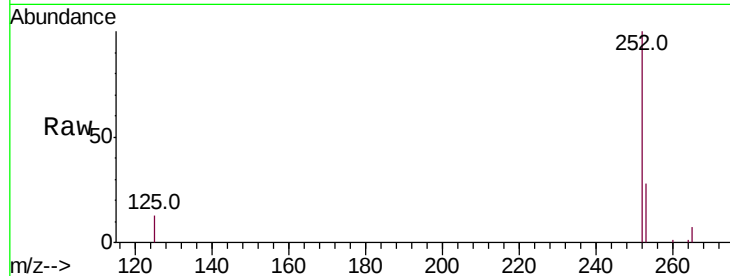
#36
Benzo(k)fluoranthene
Concen: 0.099 ng m
RT: 22.90 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Instrument :
BNA_N
ClientSampleId :
C-MW-10_030719

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.7	19.3	28.9
125	12.8	7.4	11.0

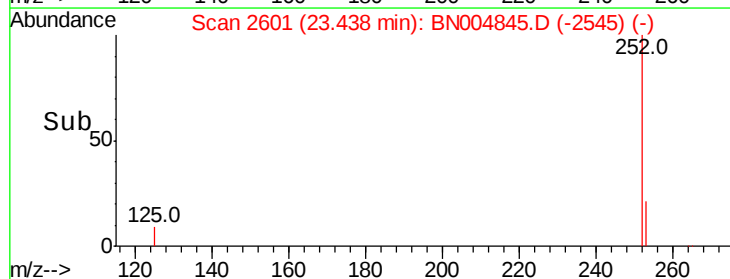
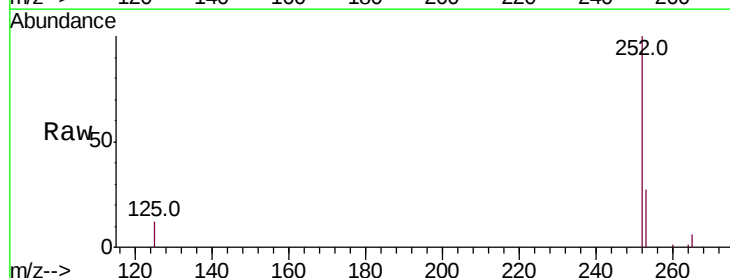
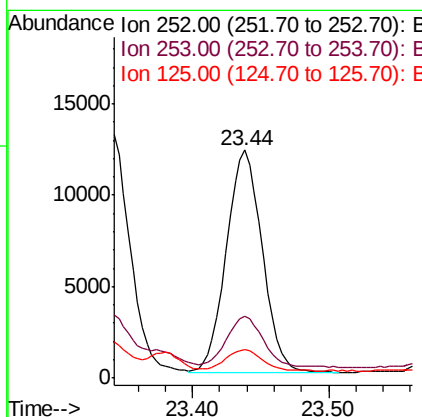
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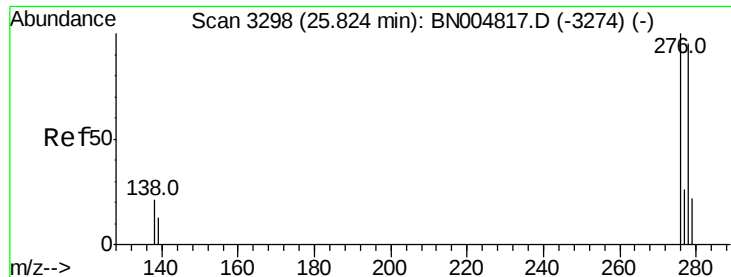
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#37
Benzo(a)pyrene
Concen: 0.159 ng
RT: 23.44 min Scan# 2601
Delta R.T. -0.01 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	19.7	29.5
125	12.5	8.3	12.5





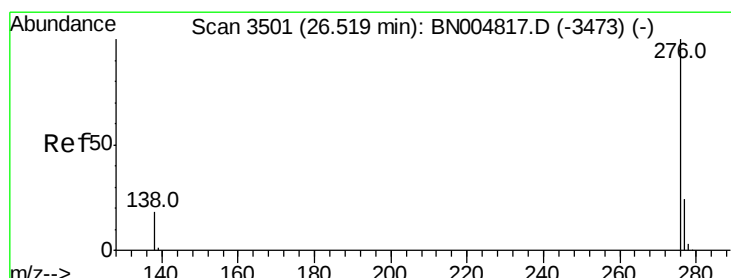
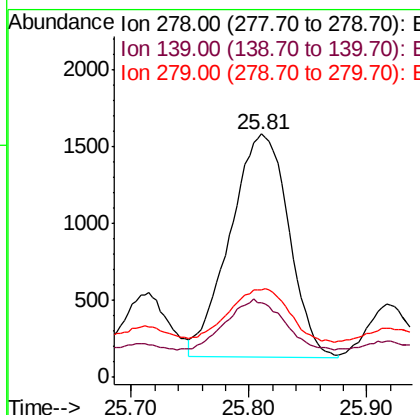
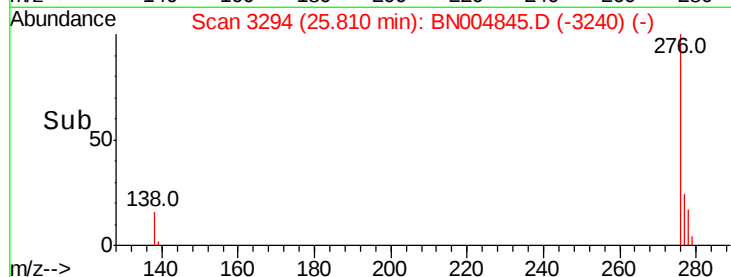
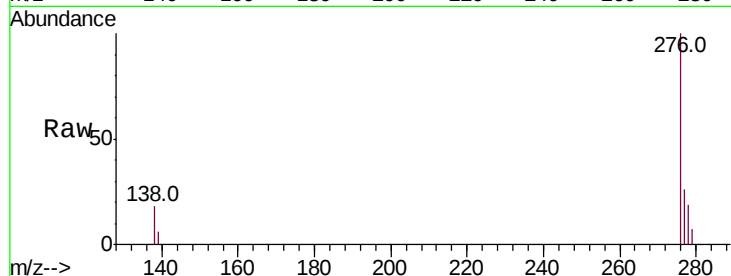
#38
Dibenzo(a,h)anthracene
Concen: 0.031 ng
RT: 25.81 min Scan# 3294
Delta R.T. -0.01 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Instrument :
BNA_N
ClientSampleId :
C-MW-10_030719

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.5	11.7	17.5#
279	35.8	19.9	29.9#

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 0.161 ng
RT: 26.51 min Scan# 3497
Delta R.T. -0.01 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.7	29.5
138	19.3	14.6	22.0

