

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073118\
 Data File : BN002205.D
 Acq On : 31 Jul 2018 11:34
 Operator : JU/SJ
 Sample : J4086-02DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 1550DL

Manual Integrations
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 8/1/2018 4:49:24 PM

Quant Time: Aug 01 12:53:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 16:17:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	3701	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	16209	0.40	ng	0.00
13) Acenaphthene-d10	14.32	164	9165	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	19869	0.40	ng	0.00
27) Chrysene-d12	21.27	240	14883	0.40	ng	0.00
34) Perylene-d12	23.49	264	12462	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	240	0.03	ng	0.00
5) Phenol-d6	6.88	99	309	0.03	ng	0.00
8) Nitrobenzene-d5	8.84	82	361	0.03	ng	0.00
11) 2-Methylnaphthalene-d10	12.06	152	665	0.03	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	132	0.03	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	1102	0.03	ng	0.00
25) Fluoranthene-d10	19.10	212	1579	0.03	ng	0.00
29) Terphenyl-d14	19.71	244	1119	0.04	ng	0.00

Target Compounds					Qvalue	
9) Naphthalene	10.52	128	39162	1.072	ng	97
16) Acenaphthylene	14.03	152	60509	1.545	ng	100
17) Acenaphthene	14.38	154	20515	0.815	ng	97
18) Fluorene	15.37	166	11300	0.365	ng	# 80
23) Phenanthrene	17.11	178	84648	1.712	ng	99
24) Anthracene	17.20	178	25268	0.618	ng	96
26) Fluoranthene	19.14	202	15854	0.295	ng	98
28) Pyrene	19.50	202	23601	0.536	ng	99
30) Benzo(a)anthracene	21.25	228	21386	0.571	ng	97
31) Chrysene	21.30	228	21077	0.503	ng	99
32) Bis(2-ethylhexyl)phthalate	21.18	149	2041	0.119	ng	# 94
33) Indeno(1,2,3-cd)pyrene	25.72	276	18840	0.477	ng	97
35) Benzo(b)fluoranthene	22.83	252	31341	0.855	ng	# 90
36) Benzo(k)fluoranthene	22.87	252	14054m	0.369	ng	
37) Benzo(a)pyrene	23.40	252	6803	0.205	ng	# 80
38) Dibenzo(a,h)anthracene	25.73	278	22615	0.700	ng	# 95
39) Benzo(a,h,i)perylene	26.40	276	23103	0.700	ng	# 92

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

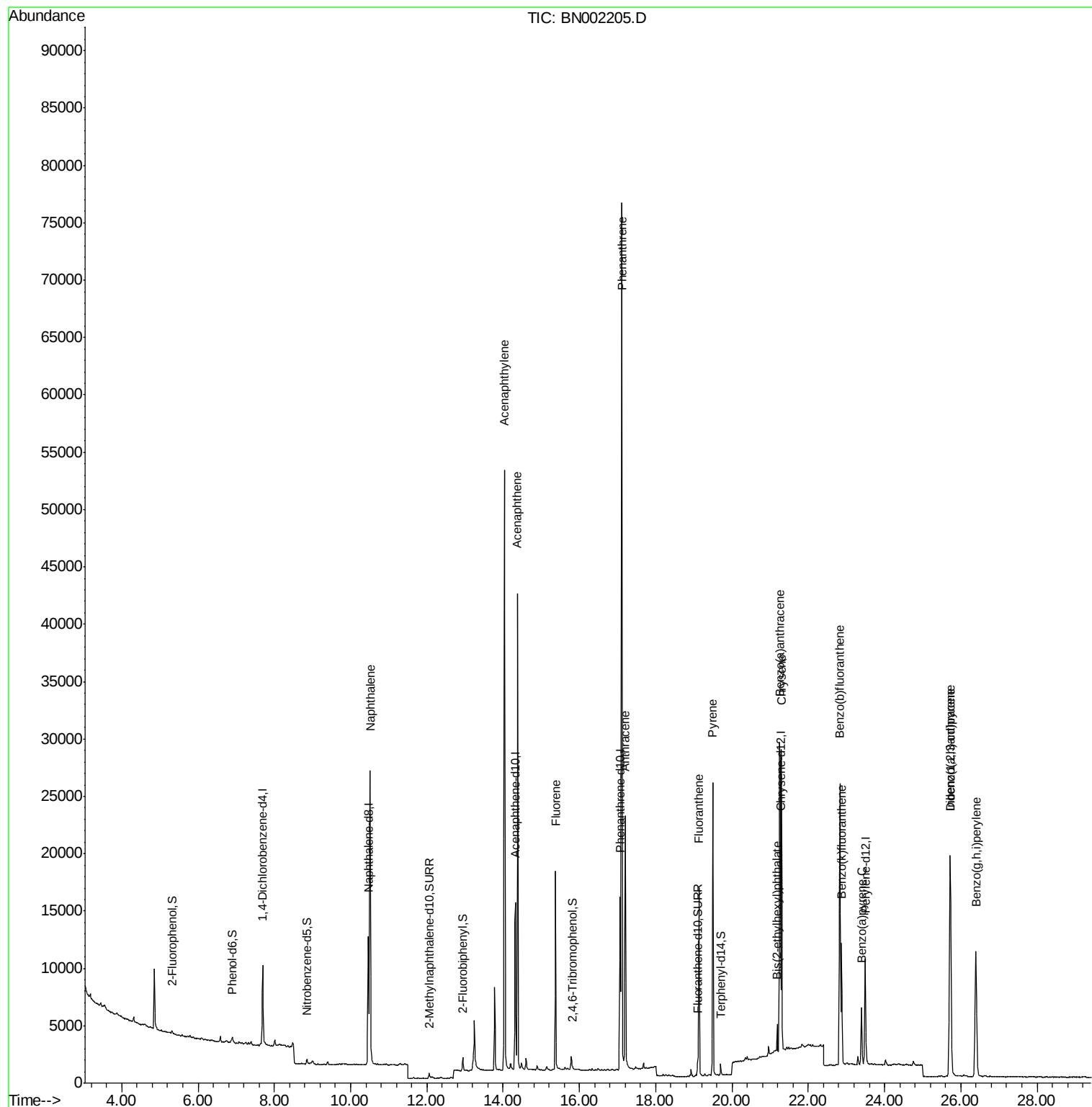
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073118\
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ALS Vial : 6 Sample Multiplier: 1

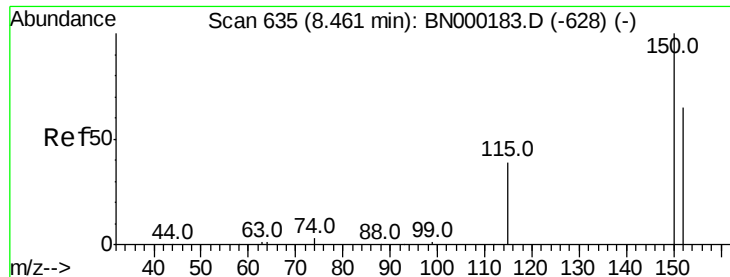
Instrument :
BNA_N
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1550DL

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Quant Time: Aug 01 12:53:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

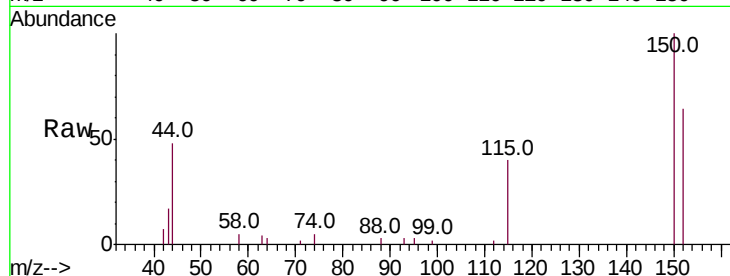
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.00 min
Lab File: BN002205.D
Acq: 31 Jul 2018 11:34

Instrument :
BNA_N
ClientSampleId :
1550DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	117.2	175.8
115	62.5	57.0	85.6

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Abundance

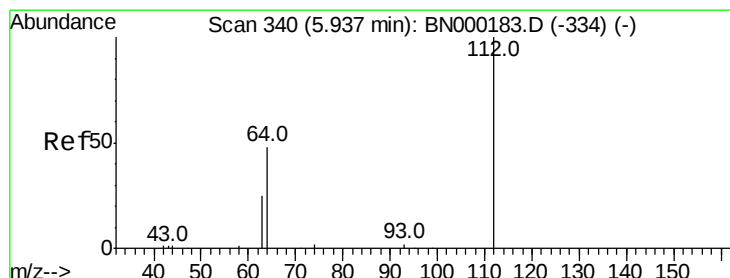
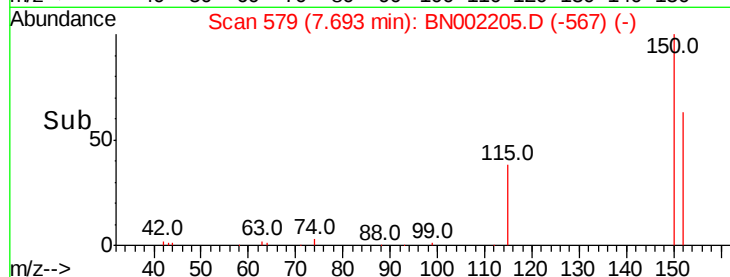
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

7.69

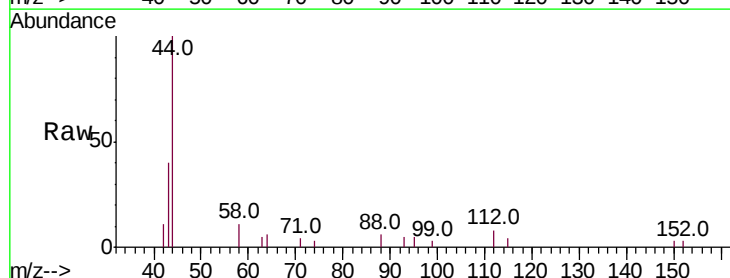
Time-->



#4

2-Fluorophenol
Concen: 0.028 ng
RT: 5.32 min Scan# 284
Delta R.T. 0.01 min
Lab File: BN002205.D
Acq: 31 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	60.1	90.1#
63	36.3	116.8	175.2#



Abundance

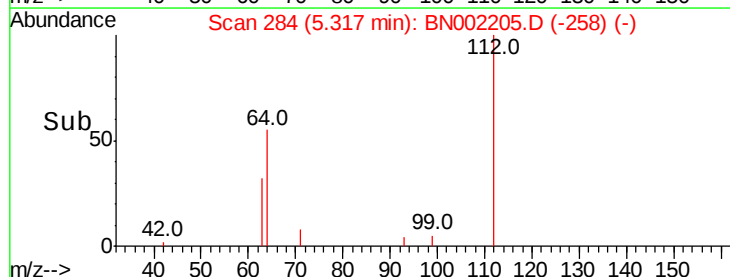
Ion 112.00 (111.70 to 112.70): E

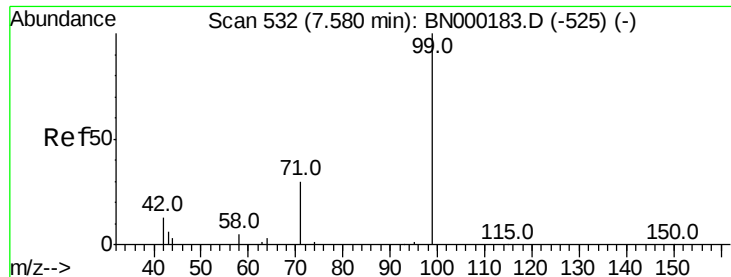
Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

5.32

Time-->





#5

Phenol-d6

Concen: 0.029 ng

RT: 6.88 min Scan# 478

Delta R.T. -0.00 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Instrument :

BNA_N

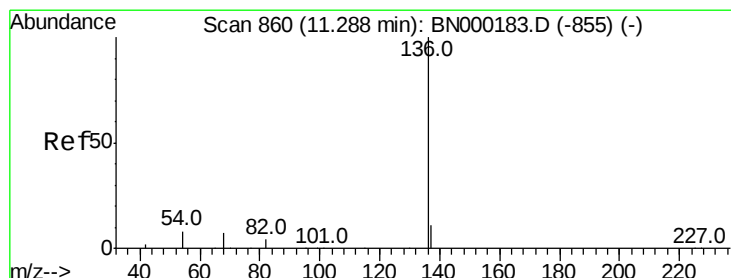
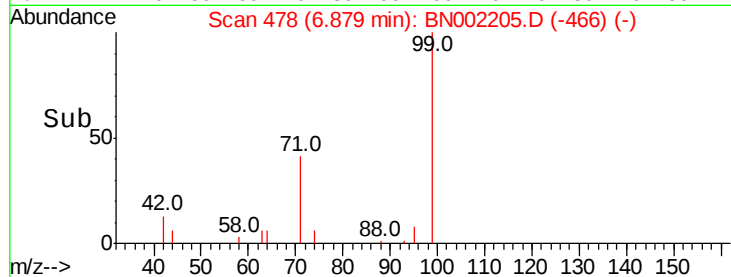
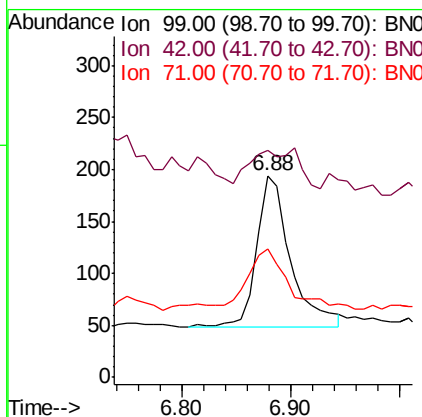
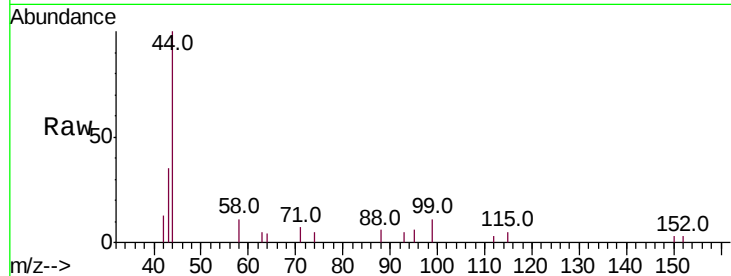
ClientSampled :

1550DL

Tot Ion:	99	Resp:	309
Ion	Ratio	Lower	Upper
99	100		
42	0.0	20.2	30.2#
71	38.8	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

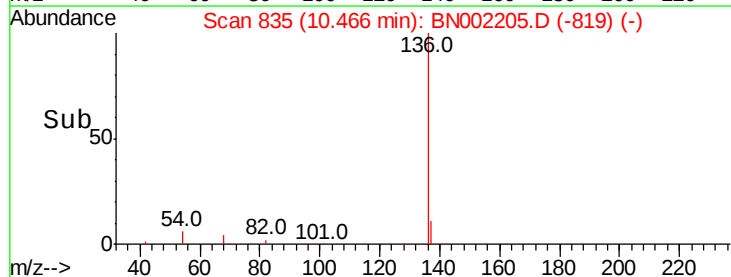
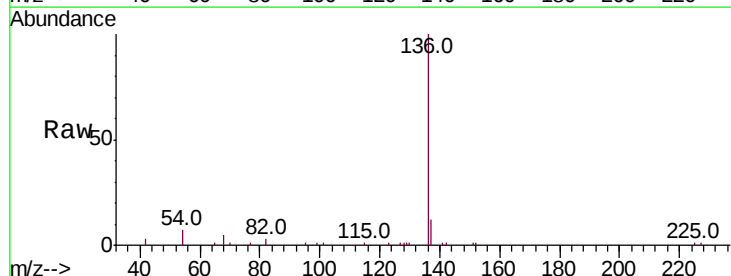
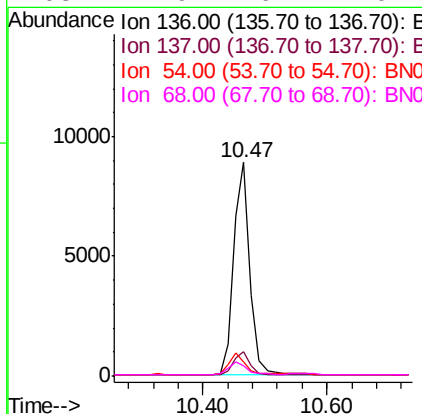
RT: 10.47 min Scan# 835

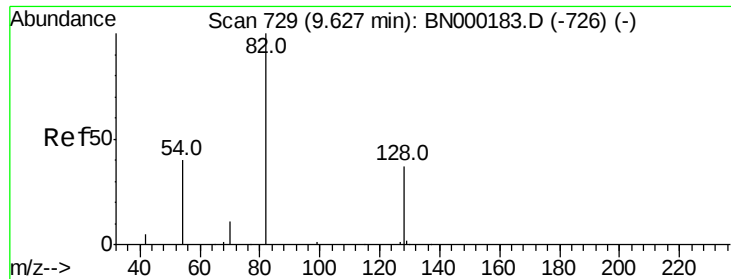
Delta R.T. -0.00 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Tgt Ion:	136	Resp:	16209
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.5	14.3
54	6.6	29.1	43.7#
68	4.9	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.030 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.00 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Instrument :

BNA_N

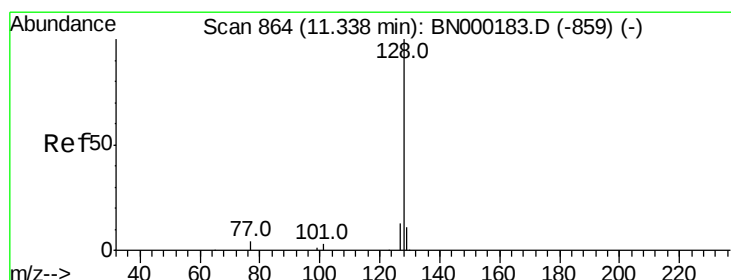
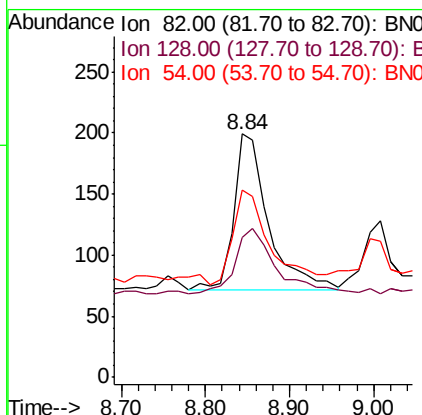
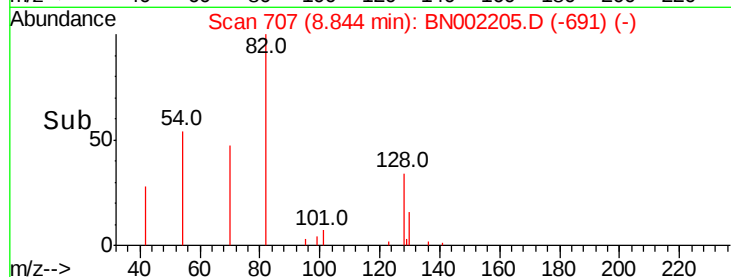
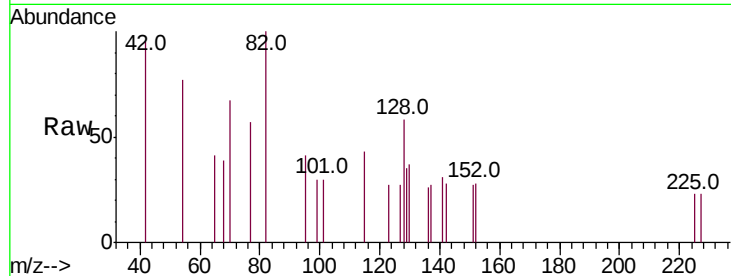
ClientSampled :

1550DL

Tot Ion:	82	Resp:	361
Ion Ratio	Lower	Upper	
82	100		
128	57.8	150.0	225.0#
54	76.9	154.2	231.4#

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#9

Naphthalene

Concen: 1.072 ng

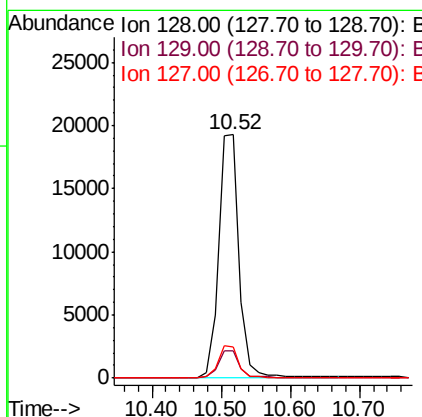
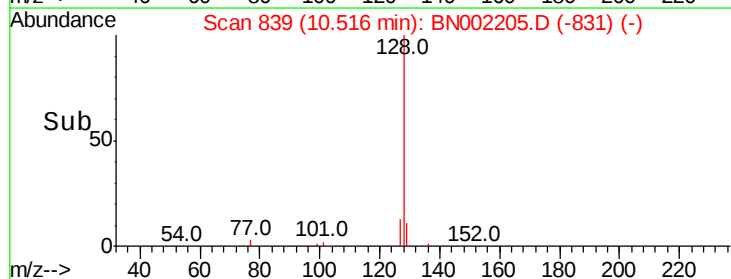
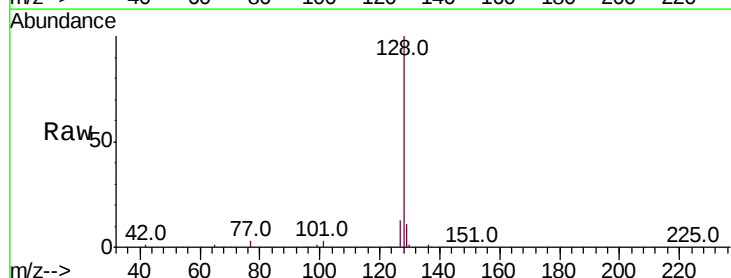
RT: 10.52 min Scan# 839

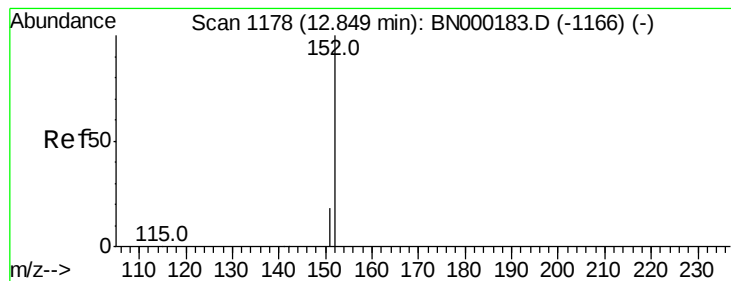
Delta R.T. -0.00 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Tgt Ion:	128	Resp:	39162
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.0	12.0
127	13.0	9.6	14.4





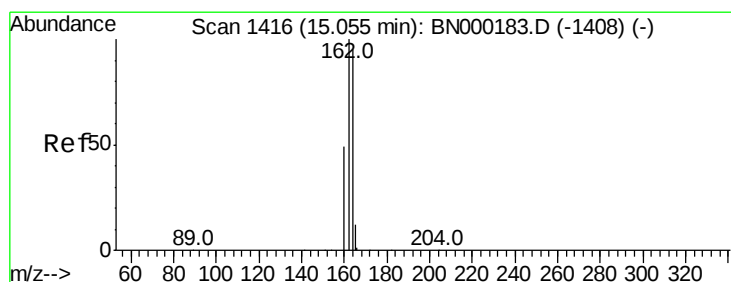
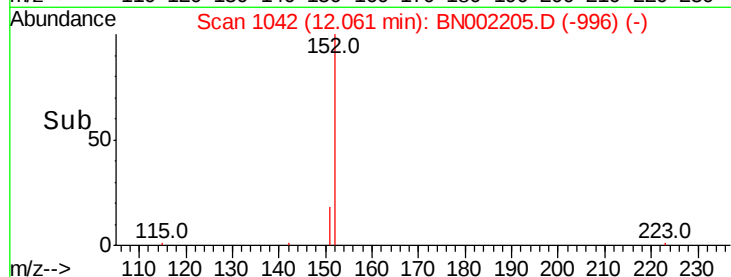
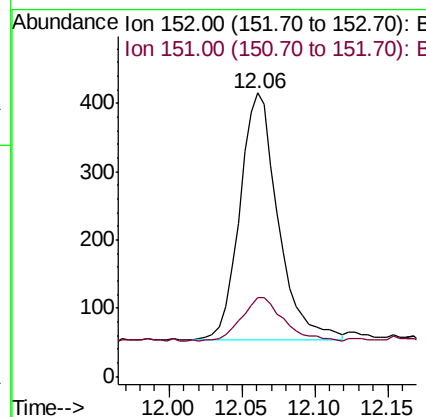
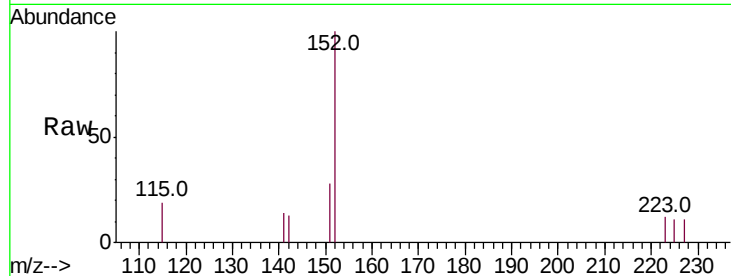
#11
2-Methylnaphthalene-d10
Concen: 0.028 ng
RT: 12.06 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BN002205.D
Acq: 31 Jul 2018 11:34

Instrument :
BNA_N
ClientSampleId :
1550DL

Tot Ion:152 Resp: 665
Ion Ratio Lower Upper
152 100
151 19.7 15.4 23.0

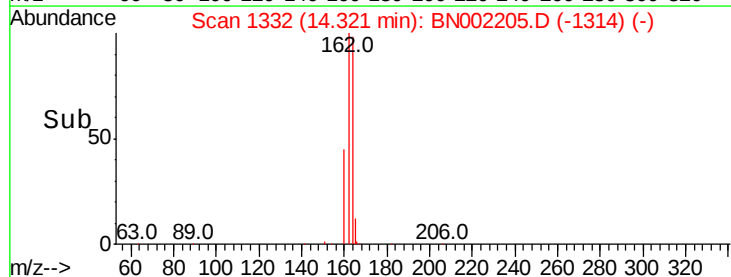
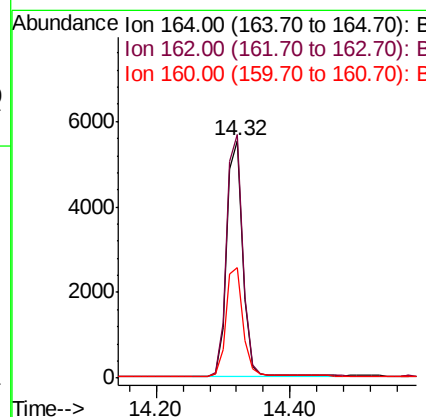
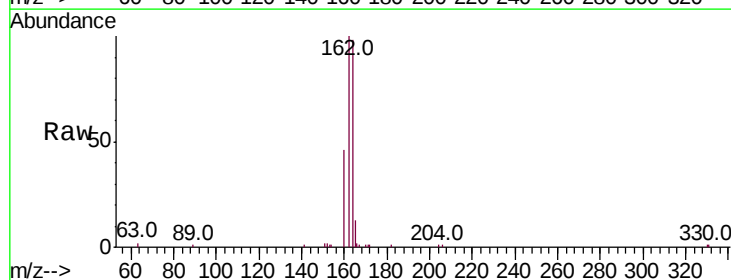
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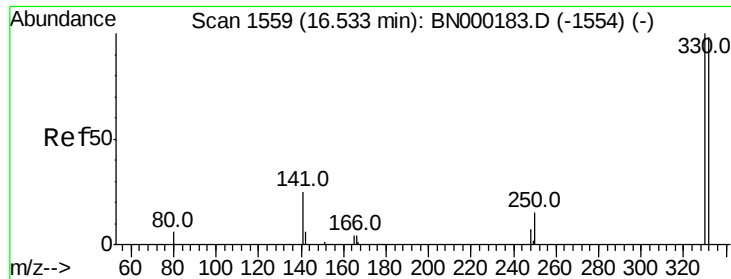
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BN002205.D
Acq: 31 Jul 2018 11:34

Tgt Ion:164 Resp: 9165
Ion Ratio Lower Upper
164 100
162 102.4 83.1 124.7
160 46.7 37.1 55.7





#14

2,4,6-Tribromophenol

Concen: 0.034 ng

RT: 15.83 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Instrument :

BNA_N

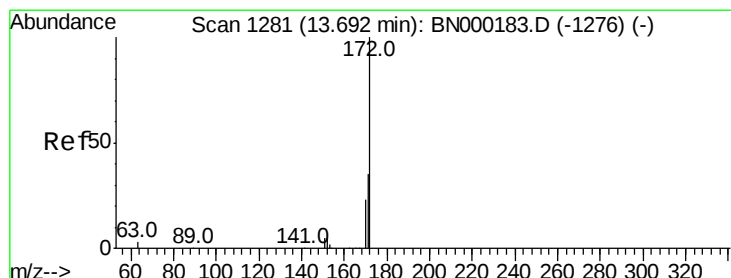
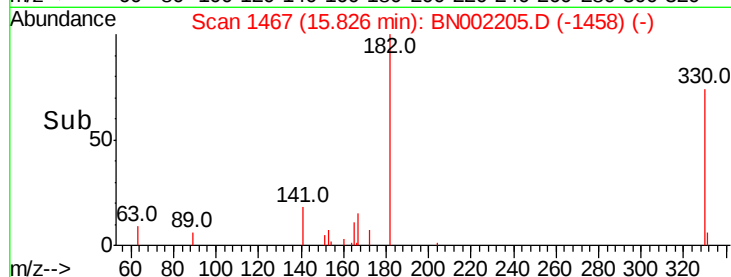
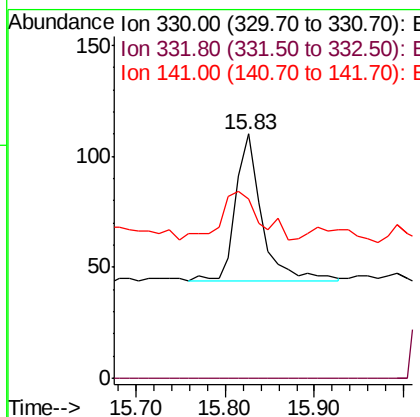
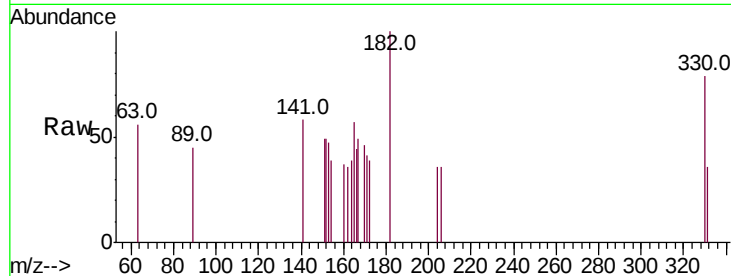
ClientSampled :

1550DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	152.7	229.1#
141	53.8	33.7	50.5#

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#15

2-Fluorobiphenyl

Concen: 0.031 ng

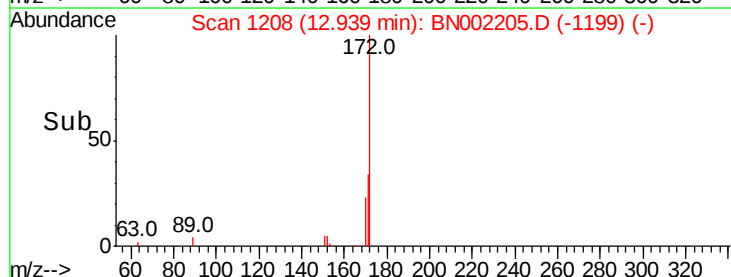
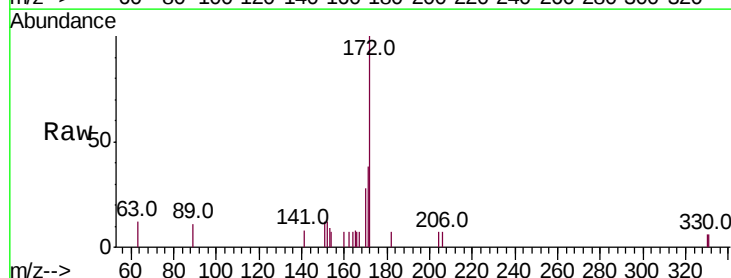
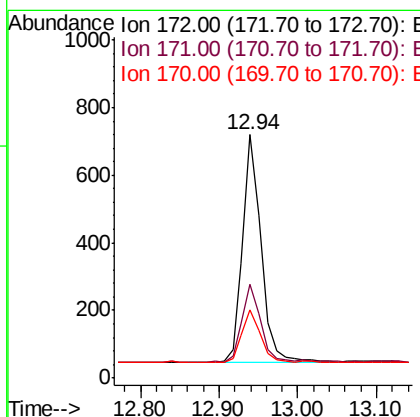
RT: 12.94 min Scan# 1208

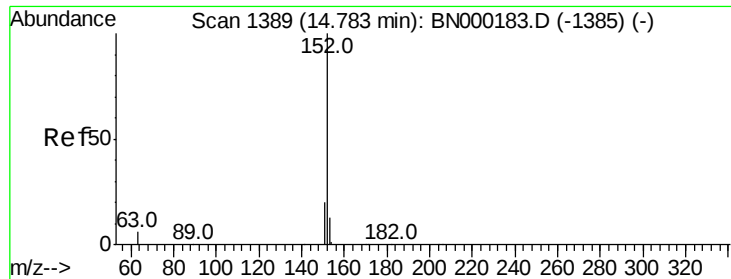
Delta R.T. -0.00 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.9	44.9
170	27.9	21.8	32.8





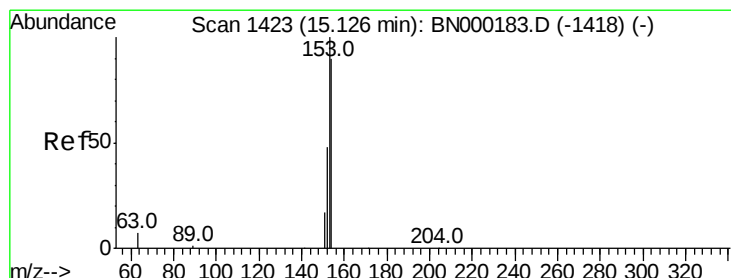
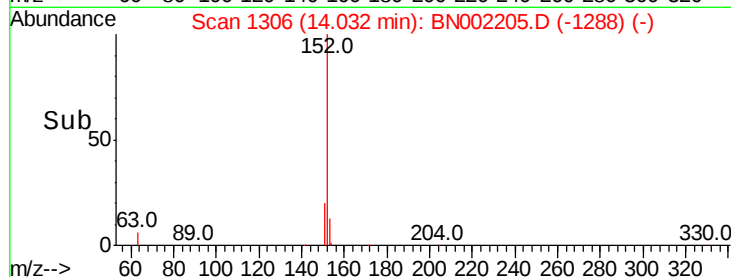
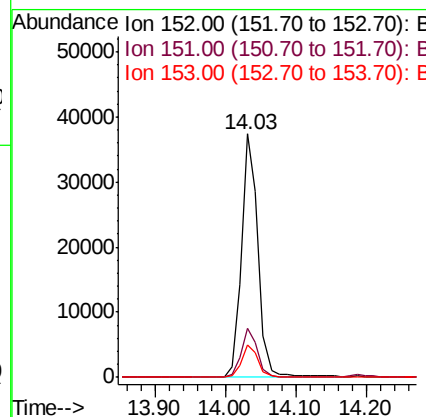
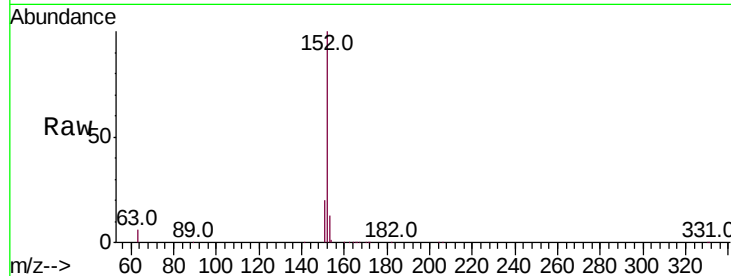
#16
Acenaphthylene
Concen: 1.545 ng
RT: 14.03 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BN002205.D
Acq: 31 Jul 2018 11:34

Instrument :
BNA_N
ClientSampled :
1550DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.0	10.5	15.7

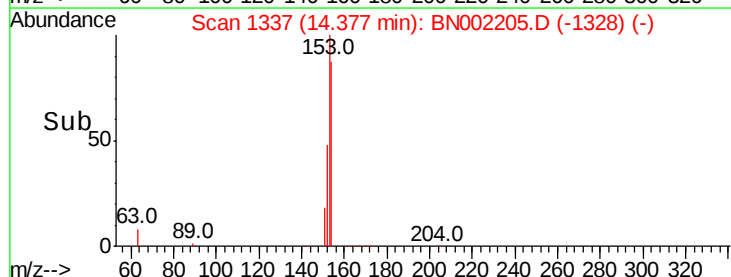
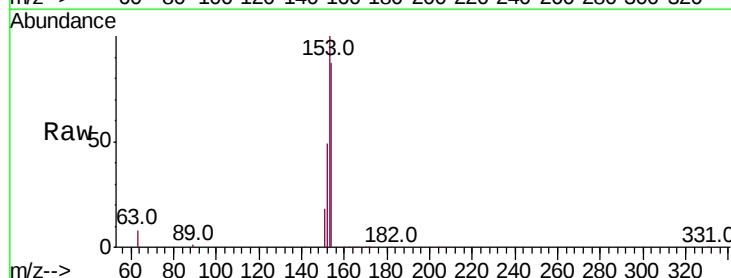
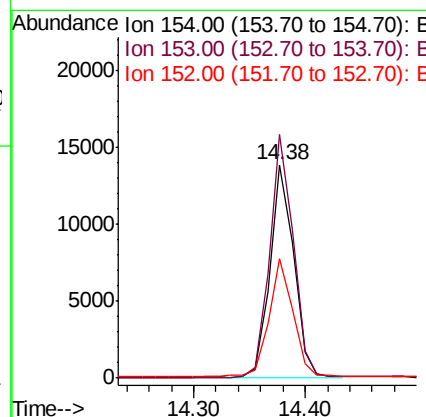
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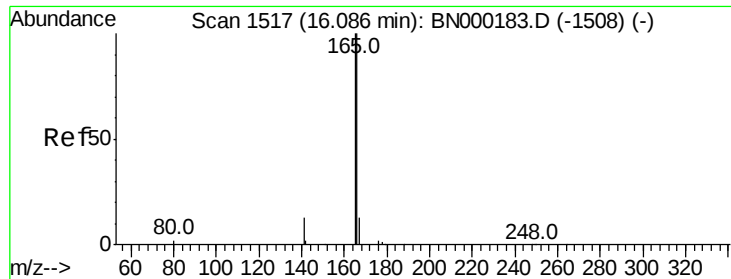
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#17
Acenaphthene
Concen: 0.815 ng
RT: 14.38 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BN002205.D
Acq: 31 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.2	133.8
152	55.5	42.0	63.0





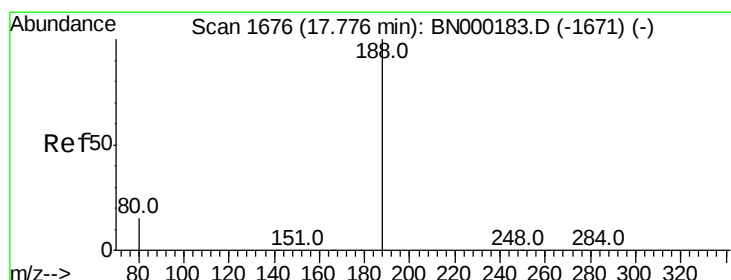
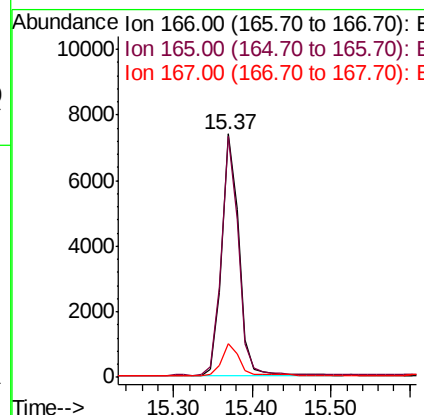
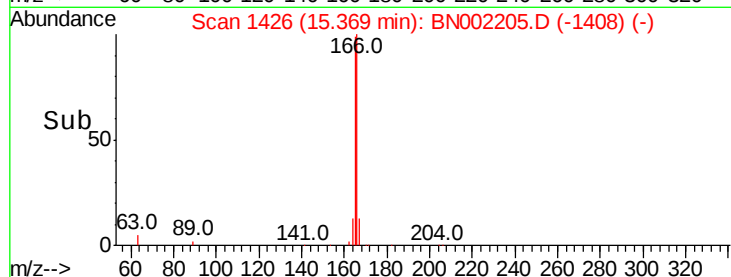
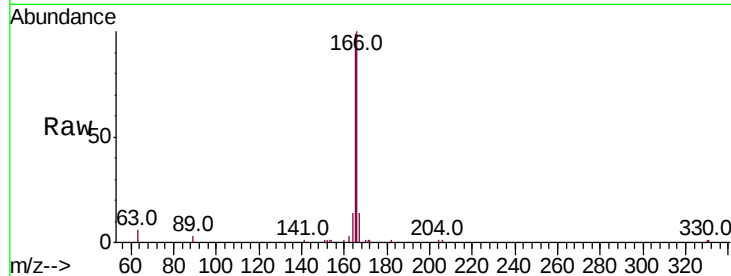
#18
Fluorene
 Concen: 0.365 ng
 RT: 15.37 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BN002205.D
 Acq: 31 Jul 2018 11:34

Instrument :
 BNA_N
 ClientSampleId :
 1550DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.8	116.6
167	14.0	42.4	63.6#

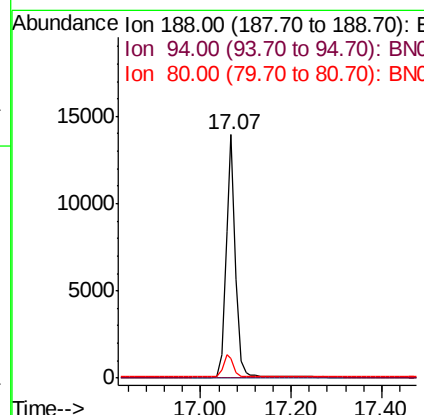
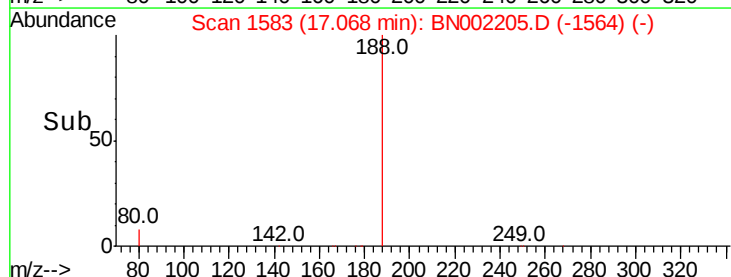
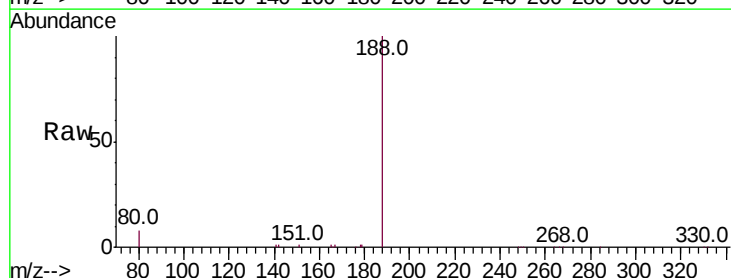
Manual Integrations
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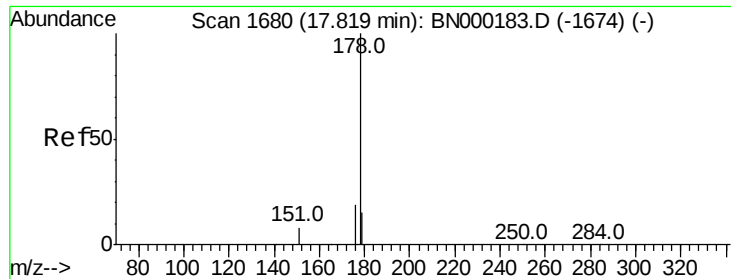
Sohil
 8/1/2018 4:49:24 PM



#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.07 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BN002205.D
 Acq: 31 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	8.3	3.6	5.4#





#23

Phenanthrene

Concen: 1.712 ng

RT: 17.11 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Instrument :

BNA_N

ClientSampled :

1550DL

Tot Ion:178 Resp: 84648

Ion Ratio Lower Upper

178 100

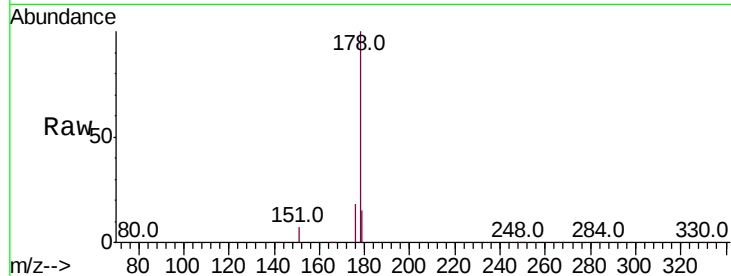
176 18.8 15.1 22.7

179 15.3 11.8 17.6

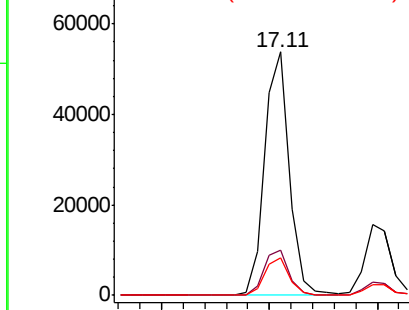
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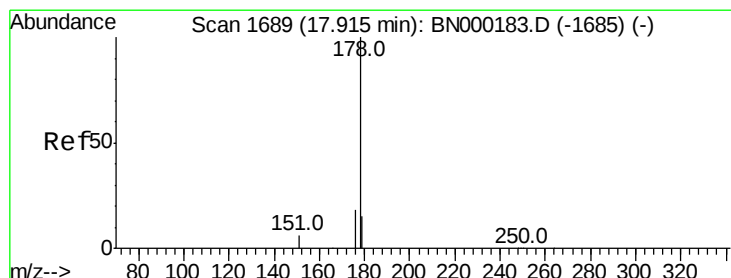
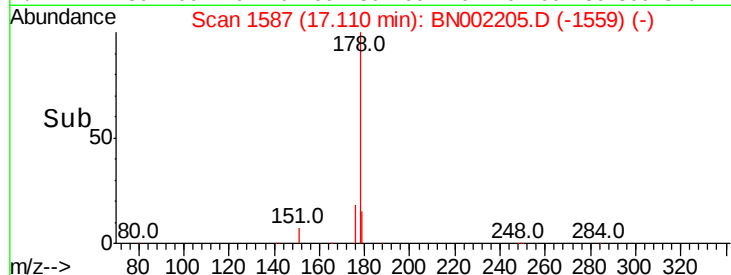
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.618 ng

RT: 17.20 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

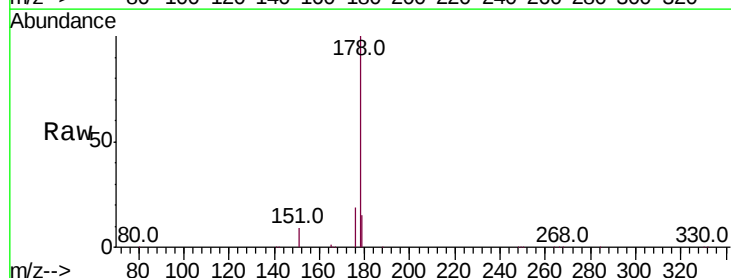
Tgt Ion:178 Resp: 25268

Ion Ratio Lower Upper

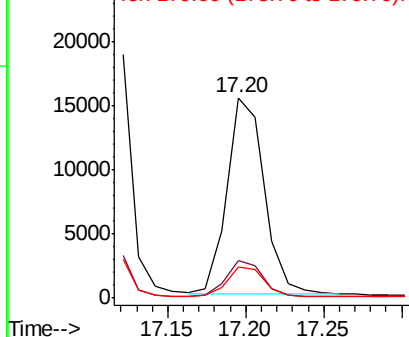
178 100

176 18.1 12.8 19.2

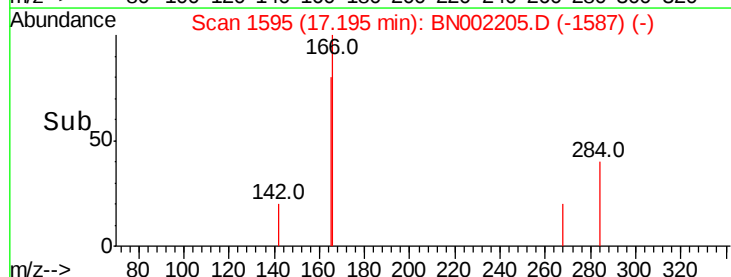
179 15.2 13.0 19.6

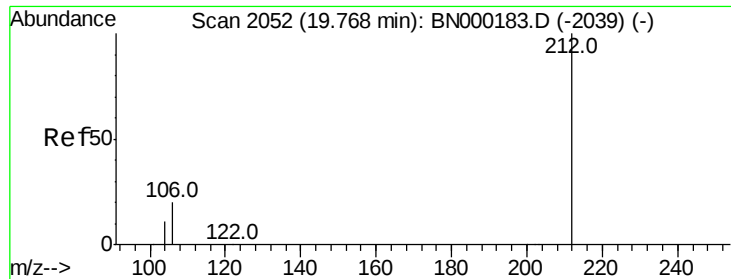


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.032 ng

RT: 19.10 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Instrument :

BNA_N

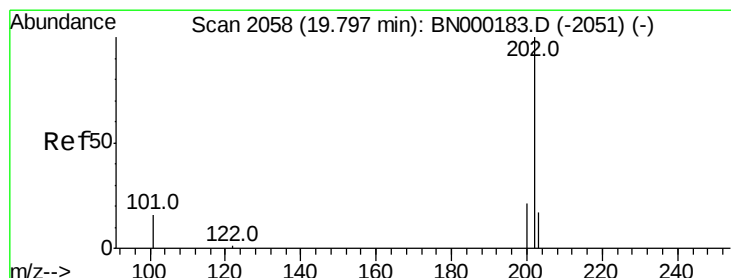
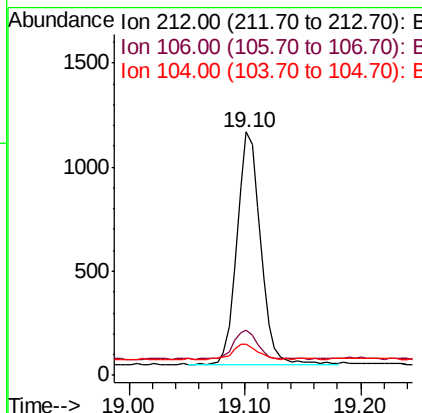
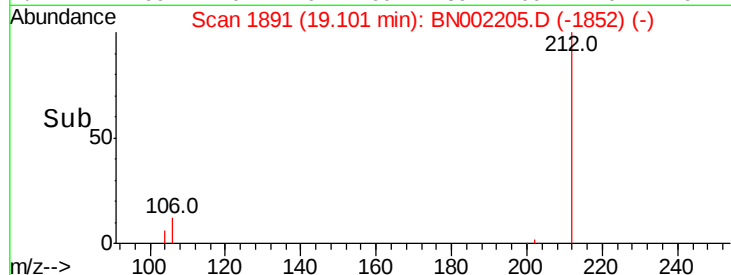
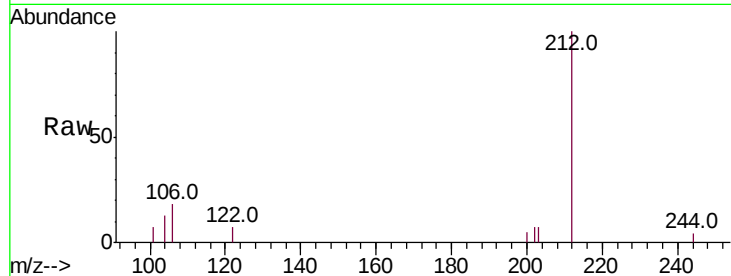
ClientSampleId :

1550DL

Tot Ion:	212	Resp:	1579
Ion Ratio	Lower	Upper	
212	100		
106	13.4	2.8	4.2#
104	7.2	1.6	2.4#

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#26

Fluoranthene

Concen: 0.295 ng

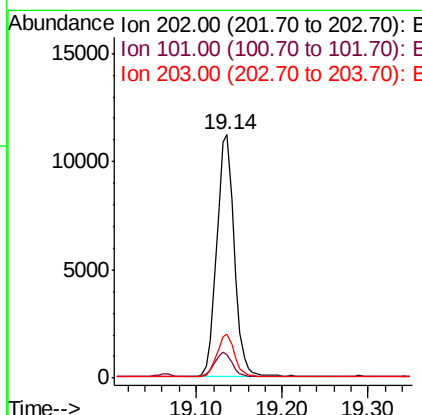
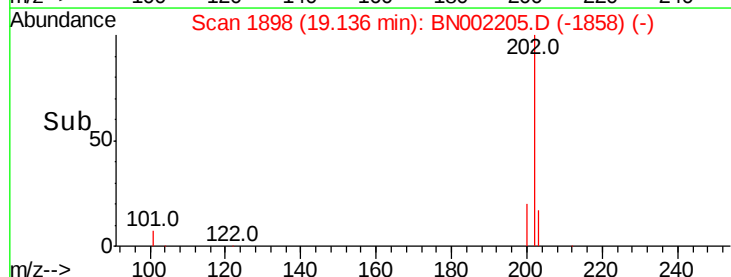
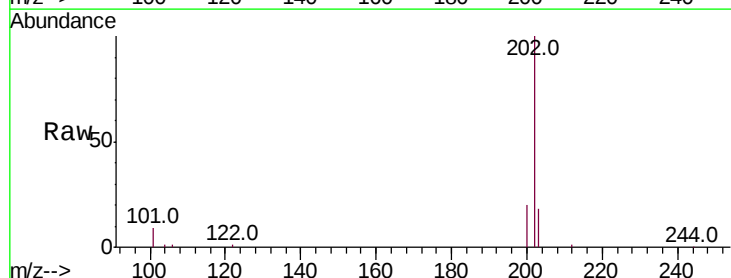
RT: 19.14 min Scan# 1898

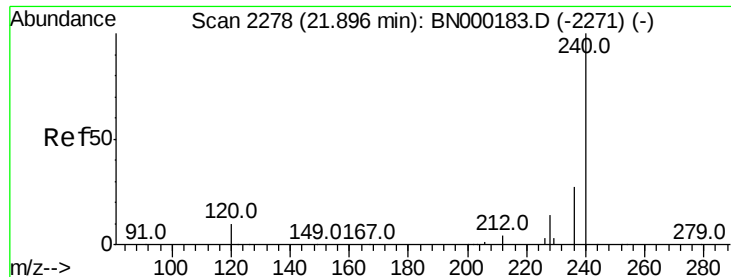
Delta R.T. -0.00 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Tgt Ion:	202	Resp:	15854
Ion Ratio	Lower	Upper	
202	100		
101	10.0	9.8	14.8
203	17.1	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Instrument :

BNA_N

ClientSampled :

1550DL

Tot Ion:240 Resp: 14883

Ion Ratio Lower Upper

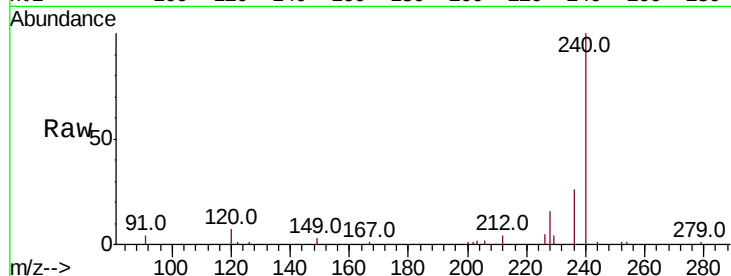
240 100

120 6.8 5.5 8.3

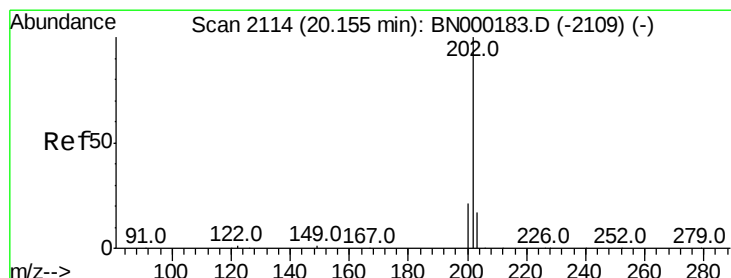
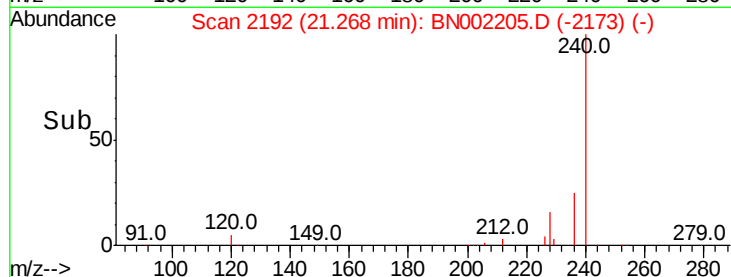
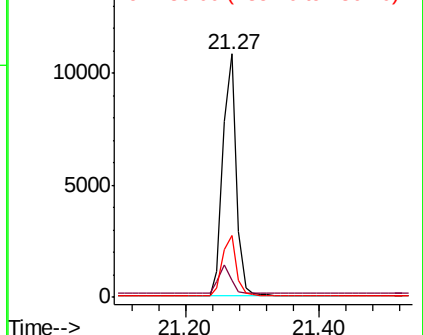
236 25.6 20.7 31.1

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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: 0.536 ng

RT: 19.50 min Scan# 1971

Delta R.T. -0.00 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

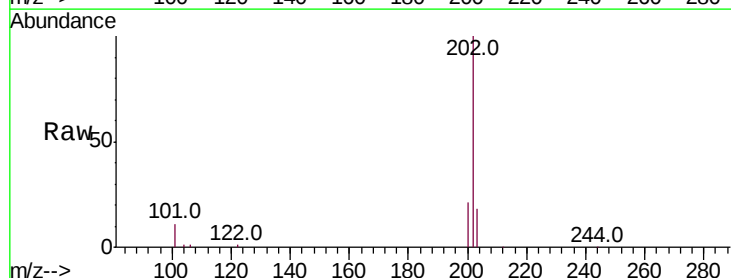
Tgt Ion:202 Resp: 23601

Ion Ratio Lower Upper

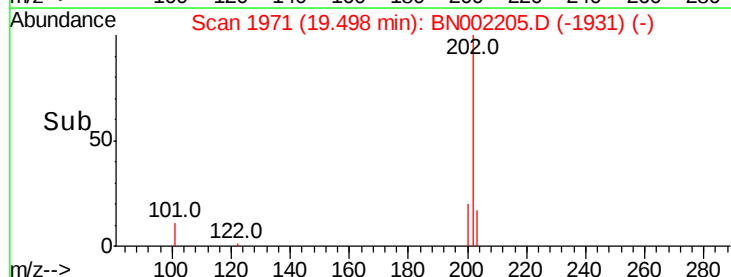
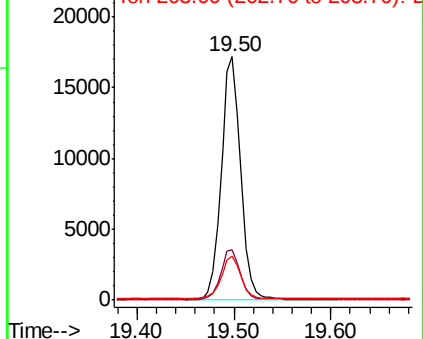
202 100

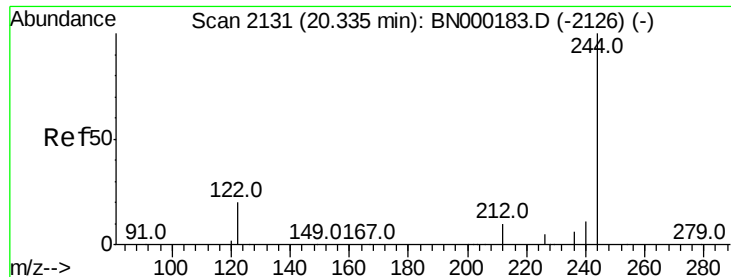
200 20.6 16.6 25.0

203 17.7 13.8 20.8



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: 0.035 ng

RT: 19.71 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Instrument :

BNA_N

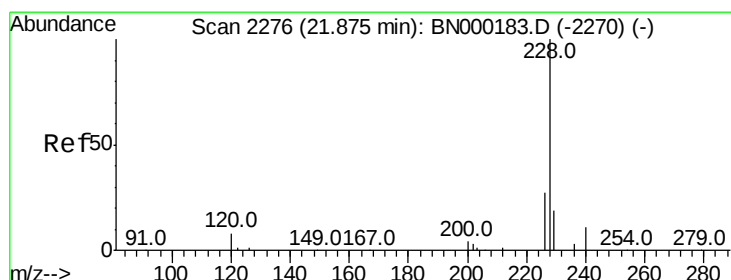
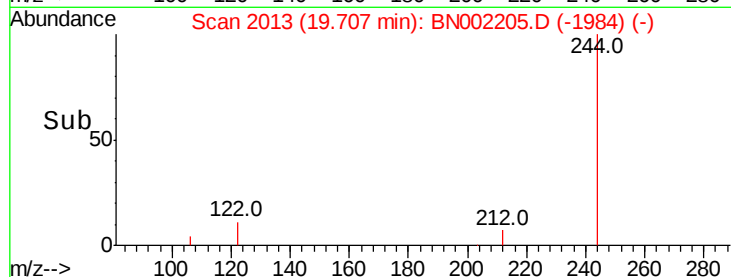
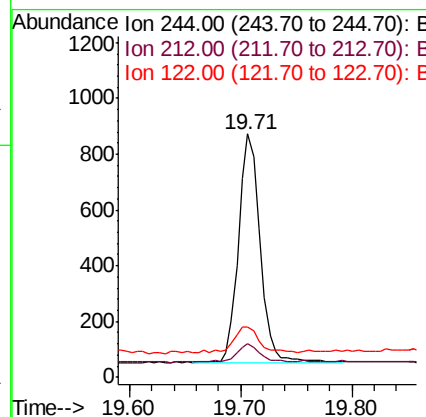
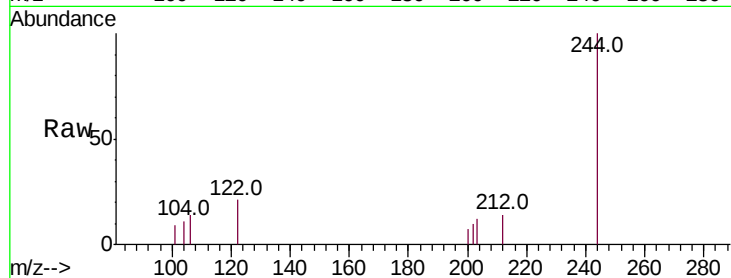
ClientSampled :

1550DL

Tot Ion:	244	Resp:	1119
Ion Ratio	Lower	Upper	
244	100		
212	13.6	25.4	38.0#
122	20.7	8.1	12.1#

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#30

Benzo(a)anthracene

Concen: 0.571 ng

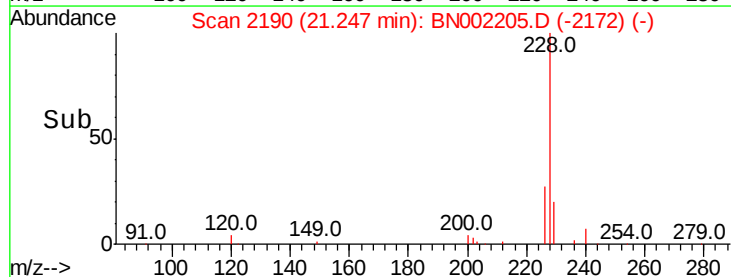
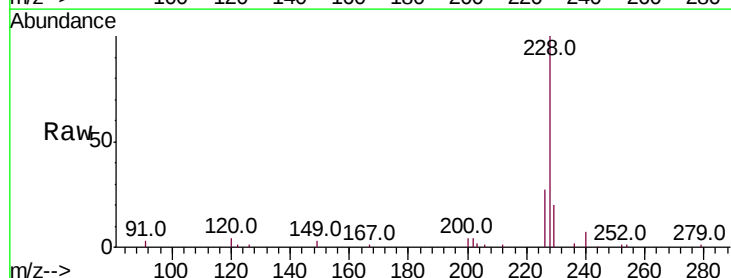
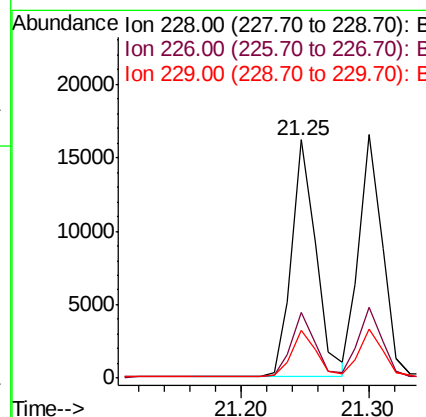
RT: 21.25 min Scan# 2190

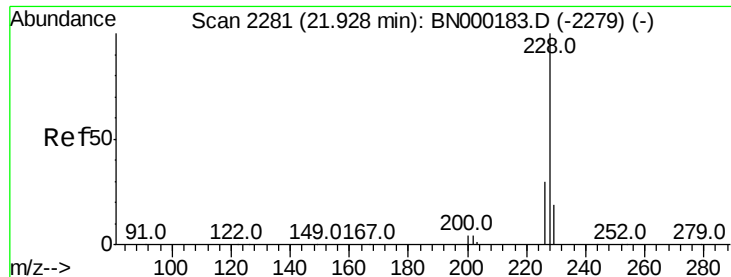
Delta R.T. -0.01 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Tgt Ion:	228	Resp:	21386
Ion Ratio	Lower	Upper	
228	100		
226	27.3	24.0	36.0
229	20.0	16.0	24.0





#31

Chrysene

Concen: 0.503 ng

RT: 21.30 min Scan# 2195

Delta R.T. -0.00 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Instrument :

BNA_N

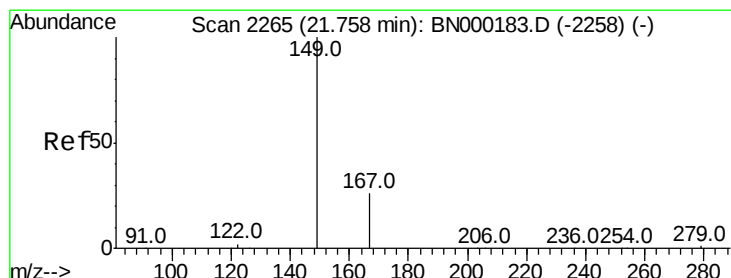
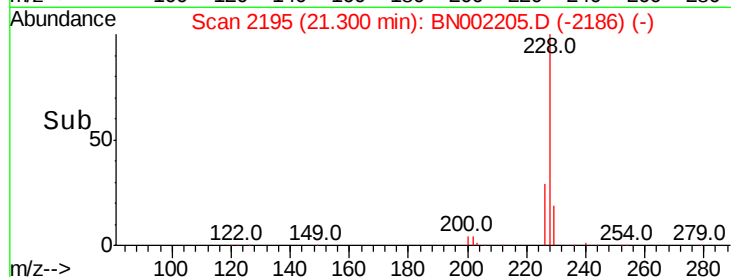
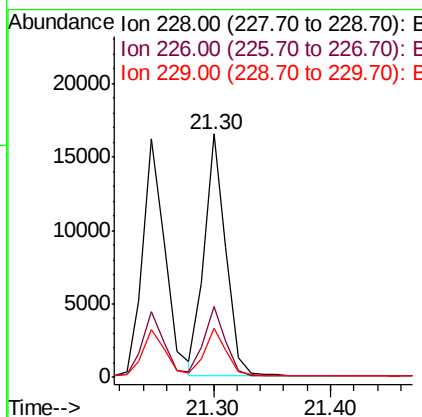
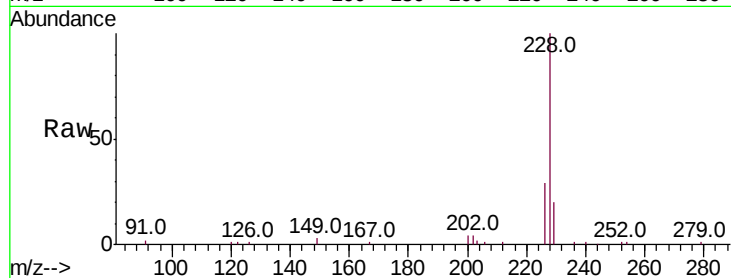
ClientSampled :

1550DL

Tot Ion:	228	Resp:	21077
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.0	36.0
229	20.0	16.0	24.0

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.119 ng

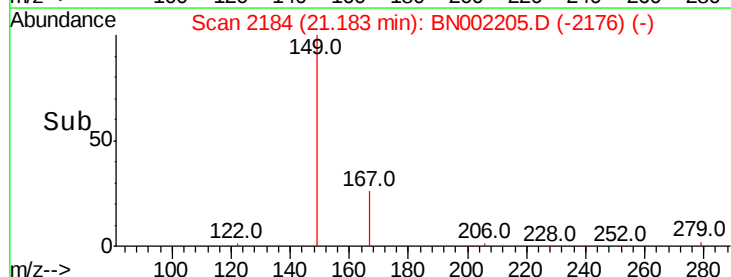
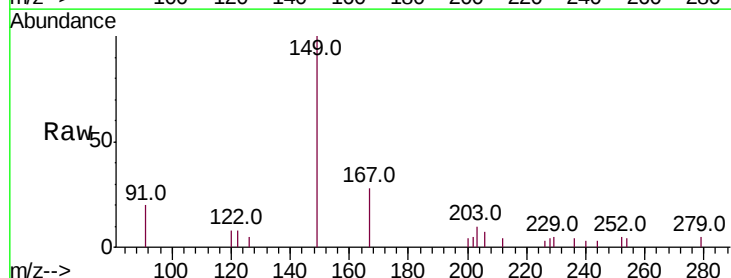
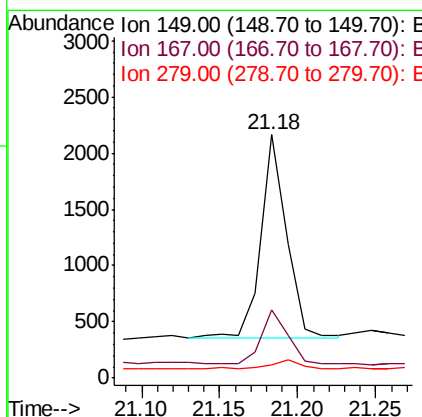
RT: 21.18 min Scan# 2184

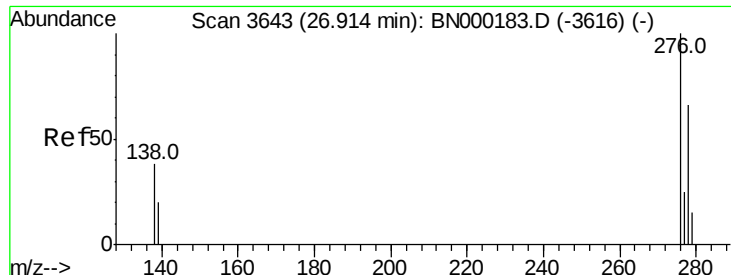
Delta R.T. -0.01 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Tgt Ion:	149	Resp:	2041
Ion Ratio	Lower	Upper	
149	100		
167	27.9	20.0	30.0
279	5.0	1.6	2.4#





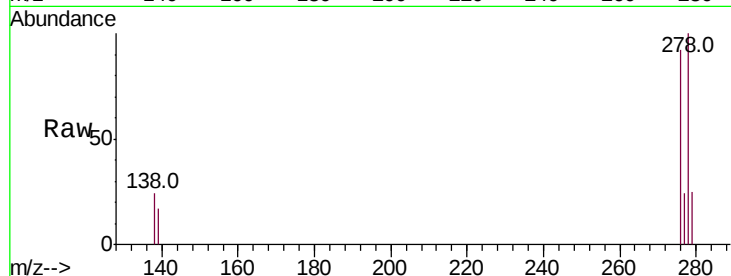
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.477 ng
 RT: 25.72 min Scan# 3267
 Delta R.T. -0.01 min
 Lab File: BN002205.D
 Acq: 31 Jul 2018 11:34

Instrument :
 BNA_N
 ClientSampleId :
 1550DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	22.5	33.7
277	25.2	19.9	29.9

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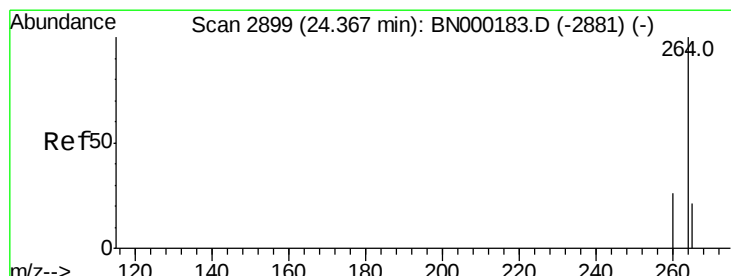
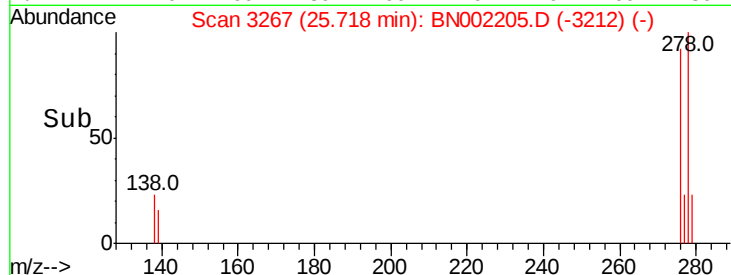
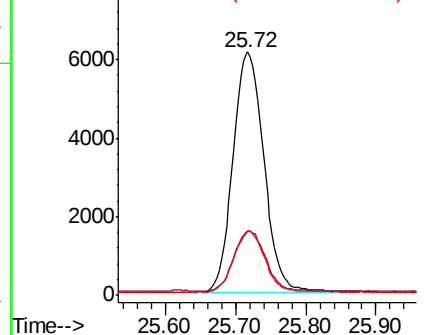


Abundance

Ion 276.00 (275.70 to 276.70): E

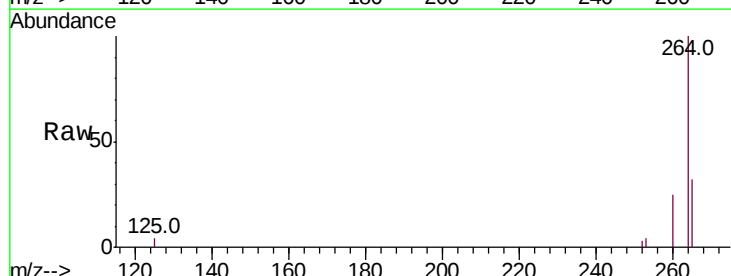
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.49 min Scan# 2617
 Delta R.T. -0.01 min
 Lab File: BN002205.D
 Acq: 31 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.5	30.7
265	31.8	22.8	34.2

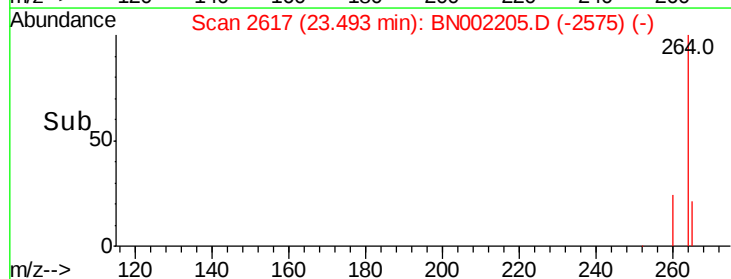
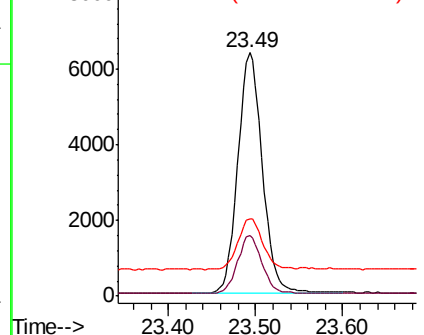


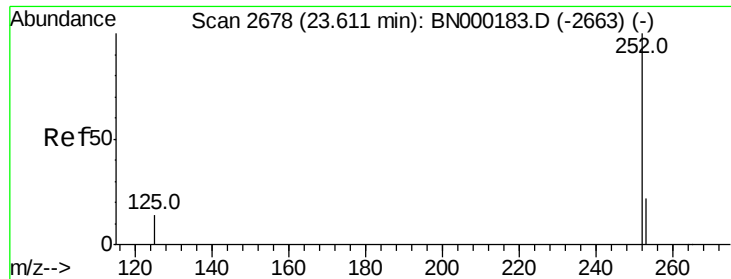
Abundance

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





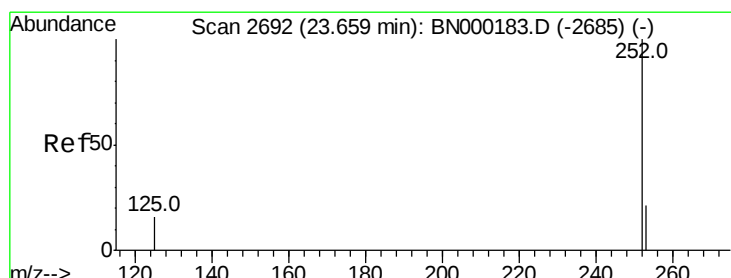
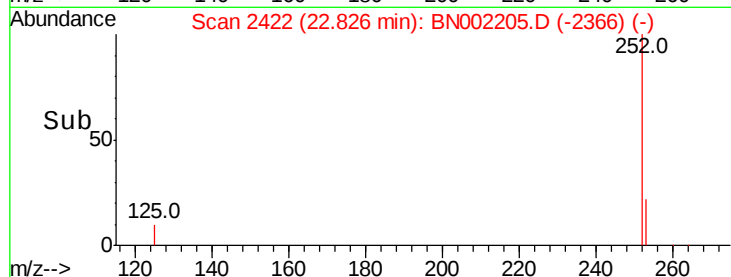
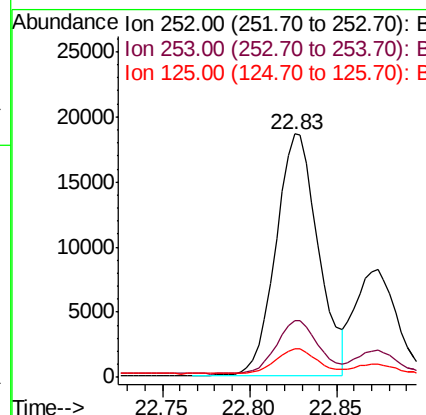
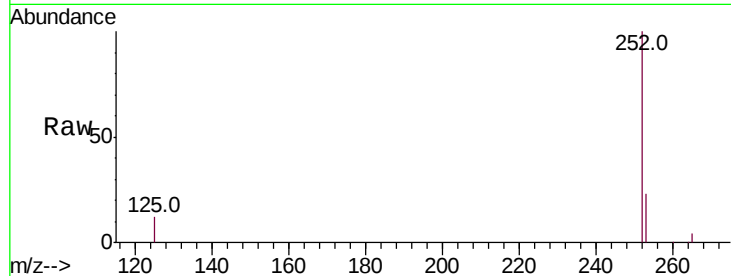
#35
Benzo(b)fluoranthene
Concen: 0.855 ng
RT: 22.83 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BN002205.D
Acq: 31 Jul 2018 11:34

Instrument :
BNA_N
ClientSampled :
1550DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.0	30.0
125	11.9	16.0	24.0

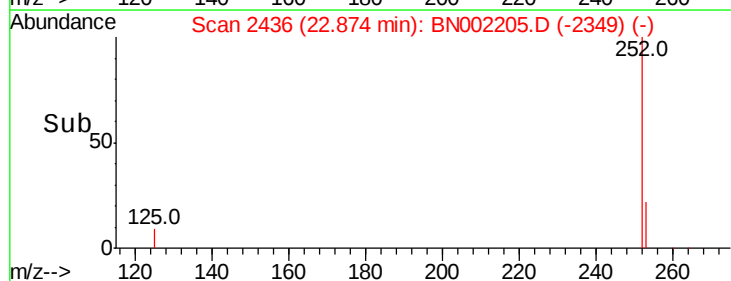
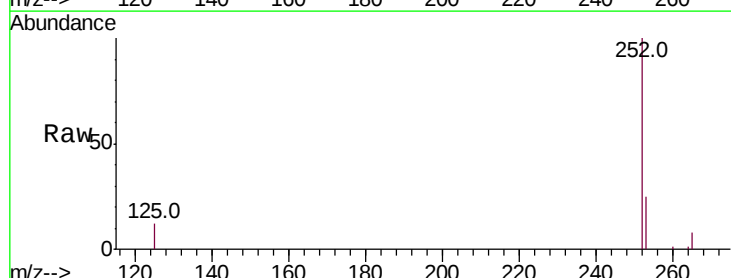
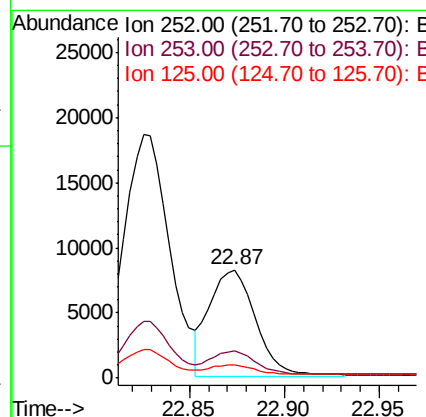
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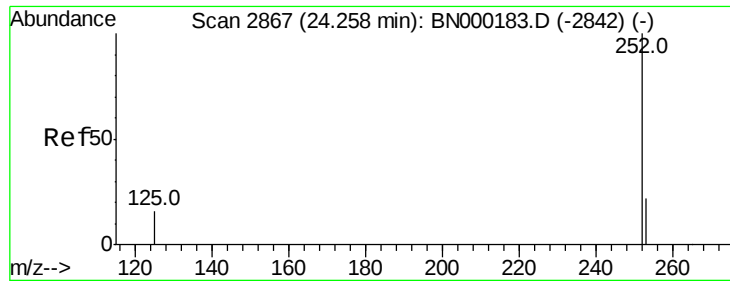
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#36
Benzo(k)fluoranthene
Concen: 0.369 ng m
RT: 22.87 min Scan# 2436
Delta R.T. -0.00 min
Lab File: BN002205.D
Acq: 31 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	16.0	24.0
125	12.0	8.0	12.0





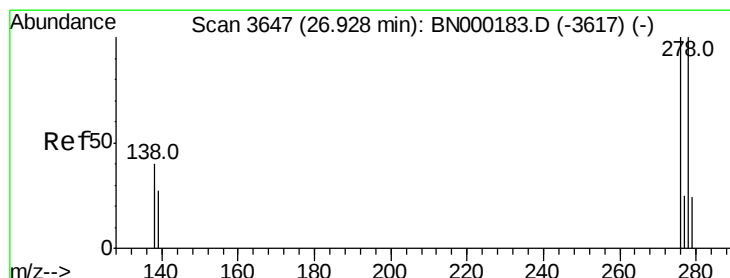
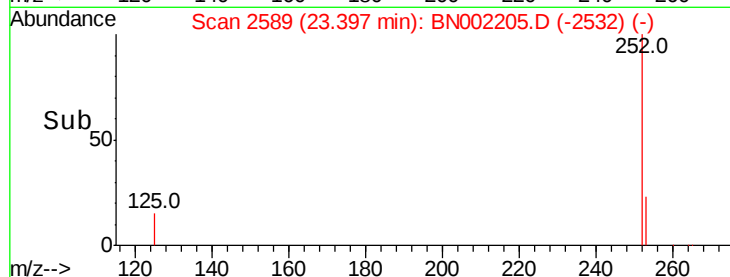
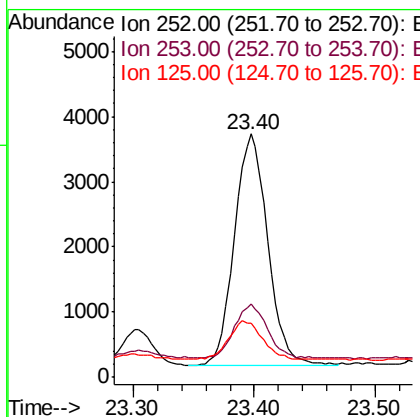
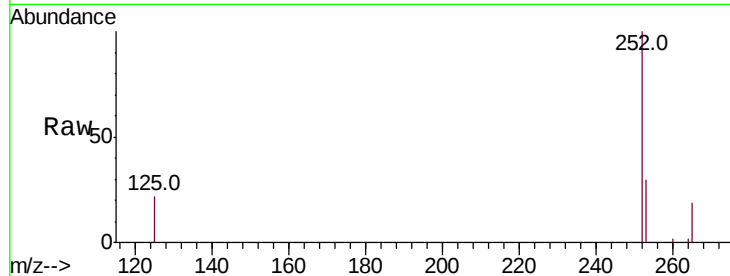
#37
Benzo(a)pyrene
Concen: 0.205 ng
RT: 23.40 min Scan# 2589
Delta R.T. -0.00 min
Lab File: BN002205.D
Acq: 31 Jul 2018 11:34

Instrument :
BNA_N
ClientSampleId :
1550DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.0	16.0	24.0#
125	22.4	12.0	18.0#

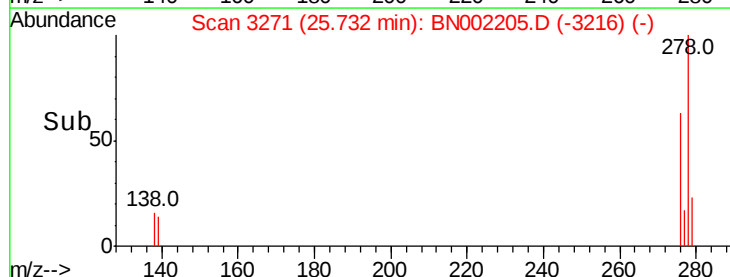
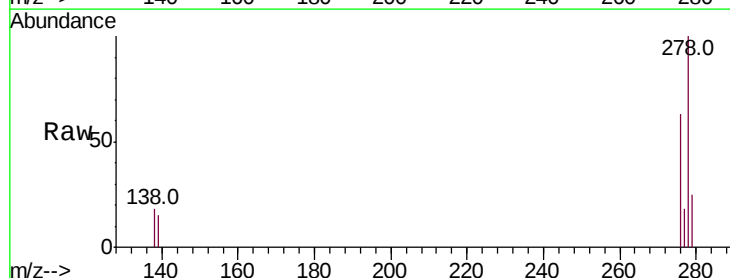
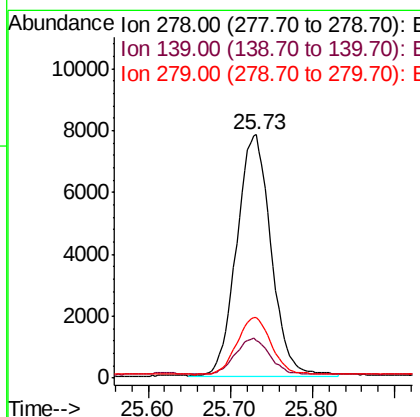
Manual Integrations
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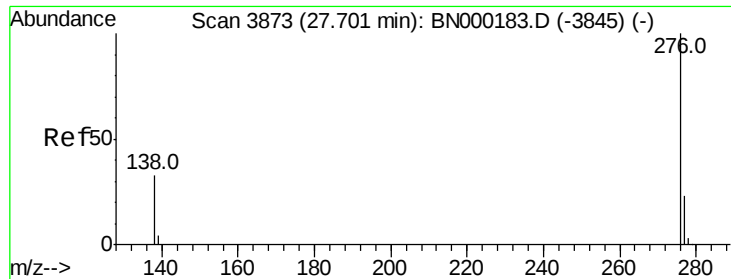
Sohil
8/1/2018 4:49:24 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.700 ng
RT: 25.73 min Scan# 3271
Delta R.T. -0.01 min
Lab File: BN002205.D
Acq: 31 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.4	16.0	24.0#
279	24.9	20.0	30.0





#39

Benzo(a,h,i)perylene

Concen: 0.700 ng

RT: 26.40 min Scan# 3465

Delta R.T. -0.01 min

Lab File: BN002205.D

Acq: 31 Jul 2018 11:34

Instrument :

BNA_N

ClientSampleId :

1550DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	16.0	24.0#
138	21.1	20.0	30.0

Manual Integrations
APPROVED

Sohil
8/1/2018 4:49:24 PM

