

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073118\
 Data File : BN002202.D
 Acq On : 31 Jul 2018 09:11
 Operator : JU/SJ
 Sample : J4086-30
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 1548

Manual Integrations
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Sohil
 8/1/2018 4:49:20 PM

Quant Time: Jul 31 16:08:45 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	3291	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	13237	0.40	ng	0.00
13) Acenaphthene-d10	14.32	164	7504	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	17139	0.40	ng	0.00
27) Chrysene-d12	21.27	240	17989	0.40	ng	0.00
34) Perylene-d12	23.50	264	13997	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	2817	0.37	ng	0.00
5) Phenol-d6	6.88	99	3277m	0.35	ng	0.00
8) Nitrobenzene-d5	8.86	82	3551	0.36	ng	0.01
11) 2-Methylnaphthalene-d10	12.07	152	6962	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	731	0.23	ng	0.01
15) 2-Fluorobiphenyl	12.94	172	11716	0.41	ng	0.00
25) Fluoranthene-d10	19.10	212	16320	0.39	ng	0.00
29) Terphenyl-d14	19.71	244	11729	0.31	ng	0.00

Target Compounds					Qvalue	
9) Naphthalene	10.50	128	137355	4.603	ng	97
16) Acenaphthylene	14.03	152	532272	16.603	ng	100
17) Acenaphthene	14.38	154	298411	14.471	ng	99
18) Fluorene	15.37	166	54832	2.162	ng	# 80
23) Phenanthrene	17.11	178	41644	0.977	ng	99
24) Anthracene	17.20	178	89049	2.525	ng	96
26) Fluoranthene	19.13	202	103020	2.219	ng	# 97
28) Pyrene	19.50	202	128141	2.408	ng	99
30) Benzo(a)anthracene	21.25	228	55723	1.231	ng	96
31) Chrysene	21.30	228	67598	1.335	ng	99
33) Indeno(1,2,3-cd)pyrene	25.71	276	125240	2.625	ng	# 90
35) Benzo(b)fluoranthene	22.83	252	38963	0.946	ng	# 88
36) Benzo(k)fluoranthene	22.87	252	191189	4.475	ng	96
37) Benzo(a)pyrene	23.40	252	92171	2.472	ng	# 93
38) Dibenzo(a,h)anthracene	25.73	278	43015	1.185	ng	# 94
39) Benzo(g,h,i)perylene	26.40	276	87504	2.360	ng	# 90

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

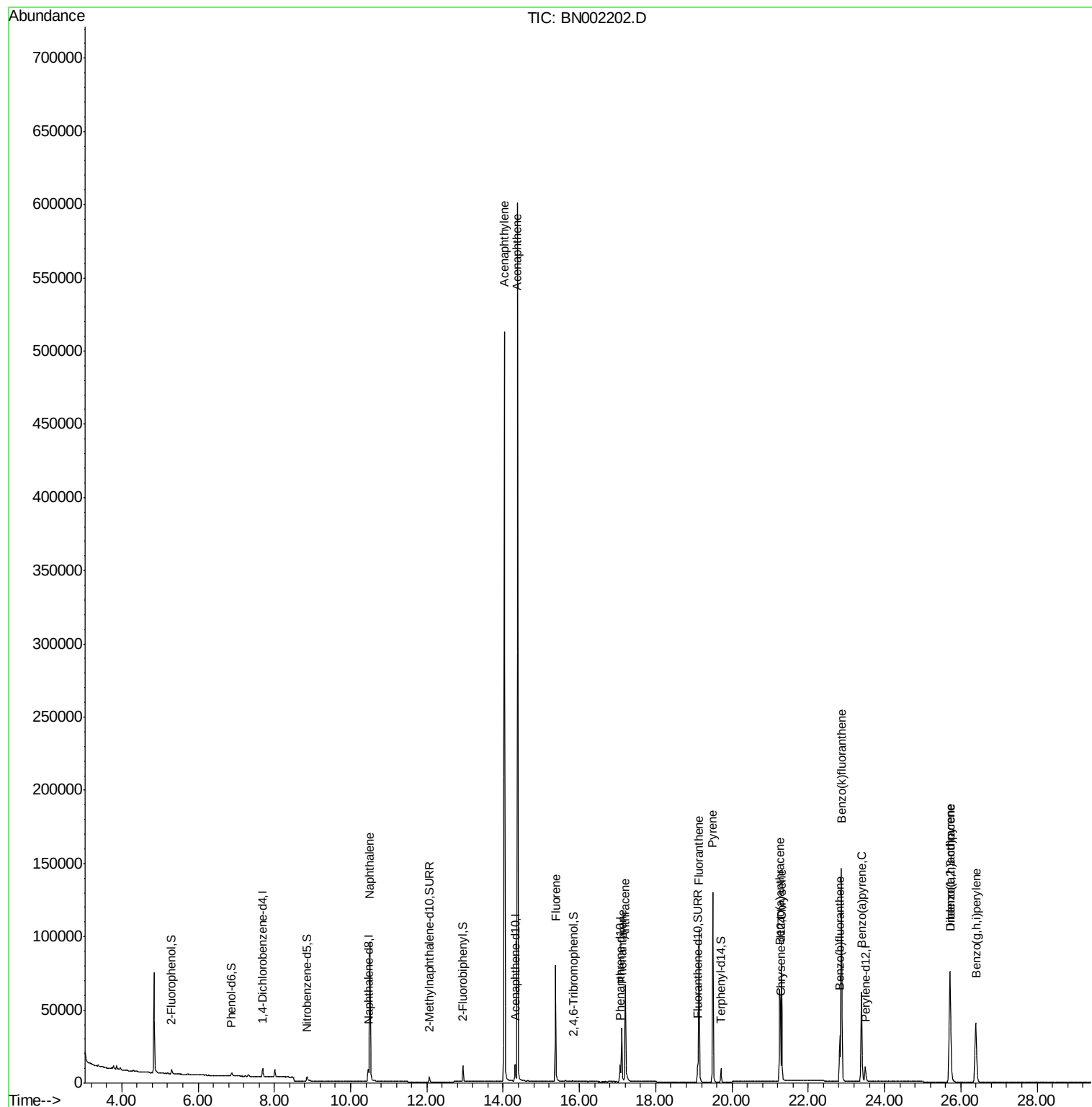
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073118\
Data File : BN002202.D
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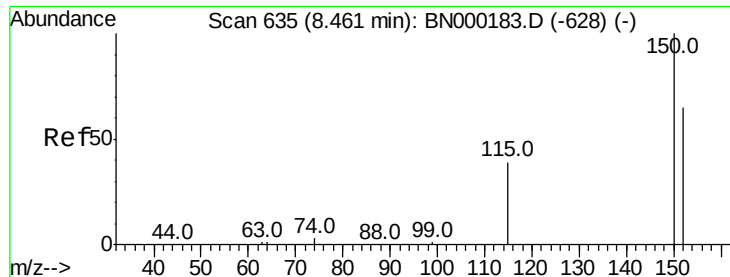
Instrument :
BNA_N
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1548

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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

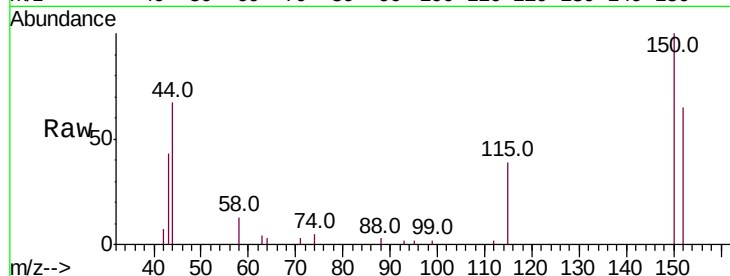
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.00 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Instrument :
BNA_N
ClientSampled :
1548

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	117.2	175.8
115	60.7	57.0	85.6

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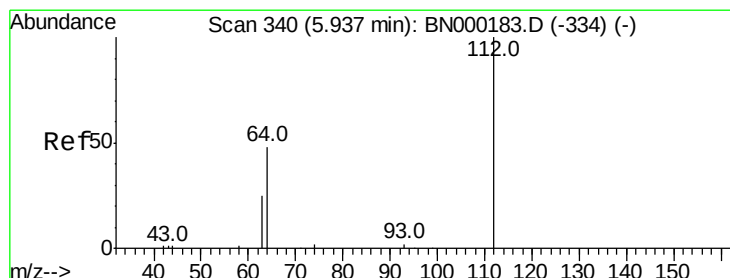
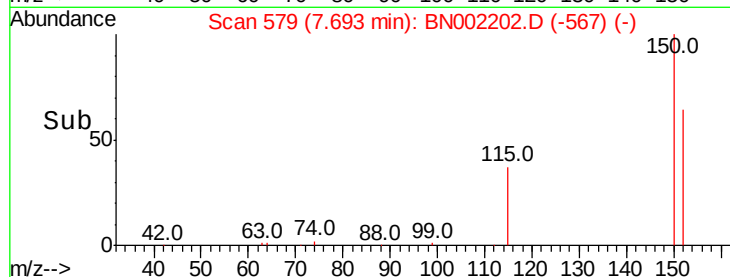
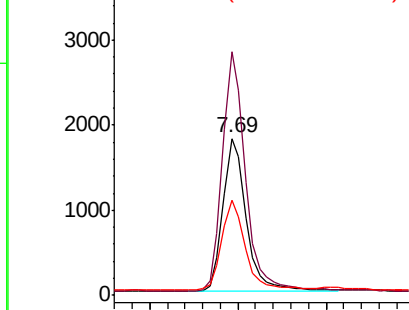


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

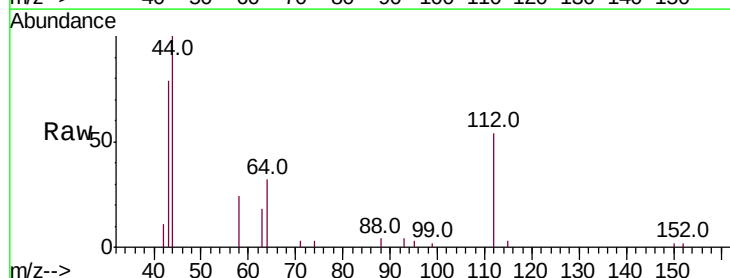
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.367 ng
RT: 5.32 min Scan# 284
Delta R.T. 0.01 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	60.1	90.1
63	31.6	116.8	175.2#

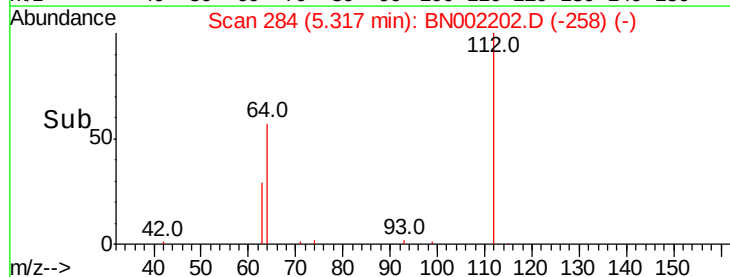
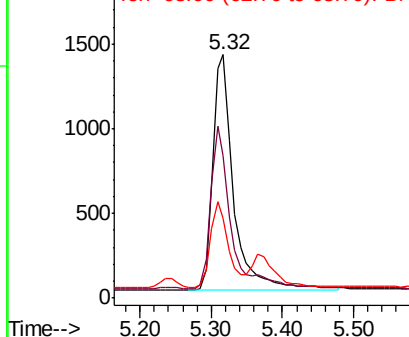


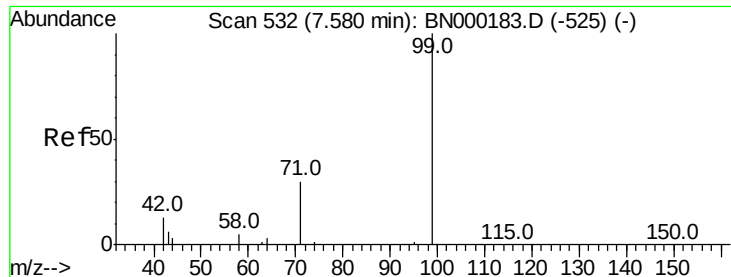
Abundance

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

Phenol-d6

Concen: 0.351 ng/ml

RT: 6.88 min Scan# 478

Delta R.T. -0.00 min

Lab File: BN002202.D

Acq: 31 Jul 2018 09:11

Instrument :

BNA_N

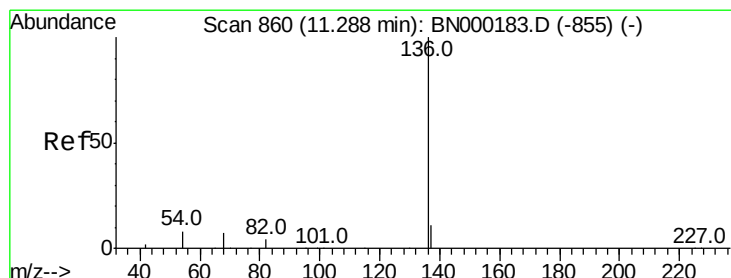
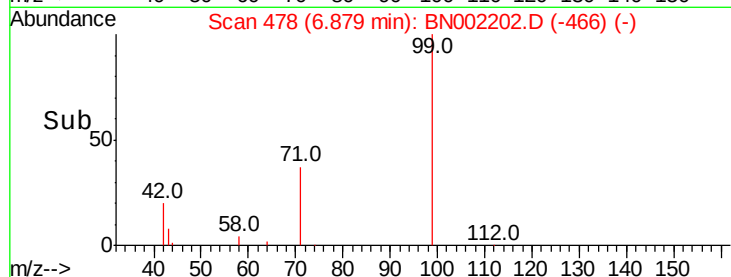
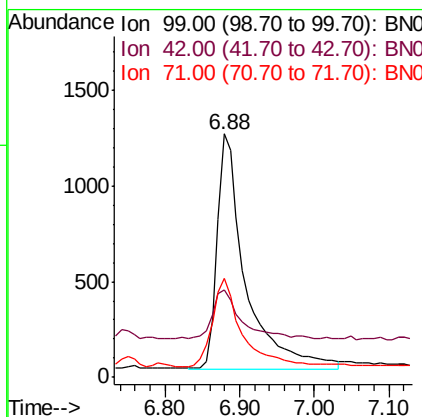
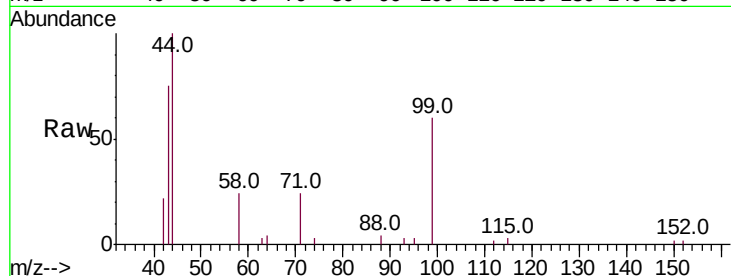
ClientSampled :

1548

Tot Ion:	99	Resp:	3277
Ion	Ratio	Lower	Upper
99	100		
42	19.4	20.2	30.2#
71	36.0	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng/ml

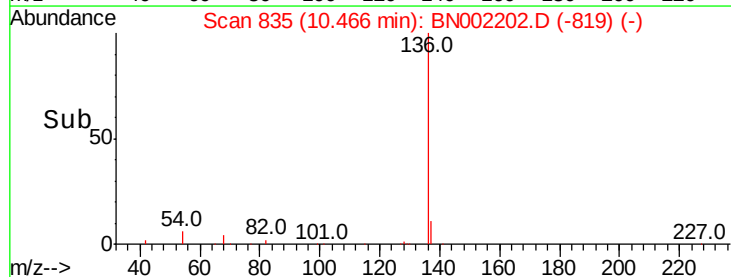
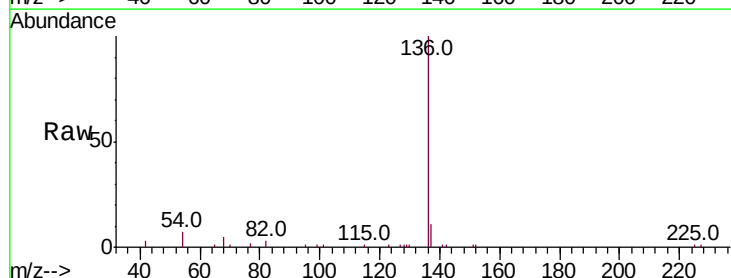
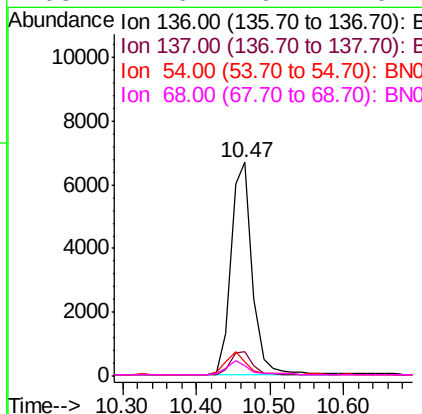
RT: 10.47 min Scan# 835

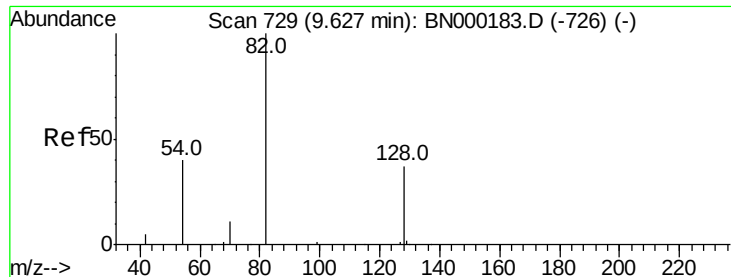
Delta R.T. -0.00 min

Lab File: BN002202.D

Acq: 31 Jul 2018 09:11

Tgt Ion:	136	Resp:	13237
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	6.6	29.1	43.7#
68	4.6	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.357 ng

RT: 8.86 min Scan# 708

Delta R.T. 0.01 min

Lab File: BN002202.D

Acq: 31 Jul 2018 09:11

Instrument :

BNA_N

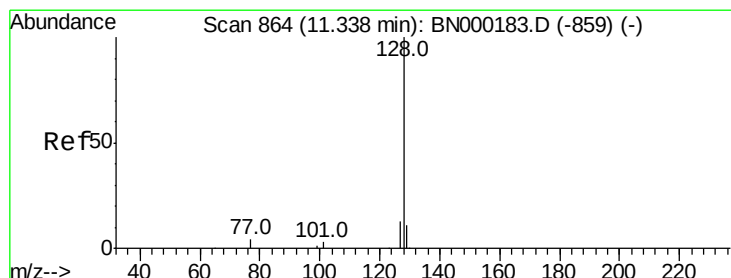
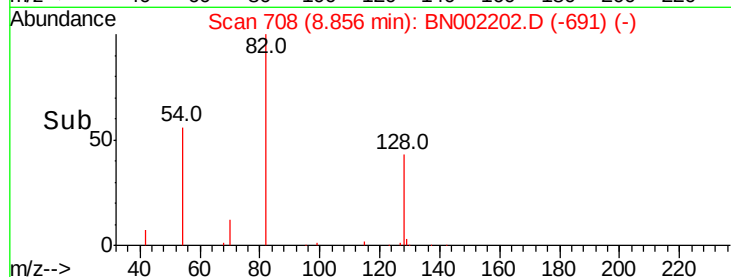
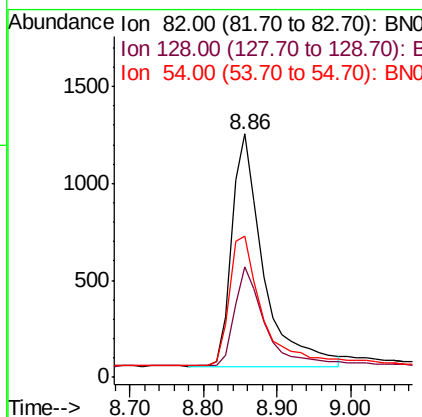
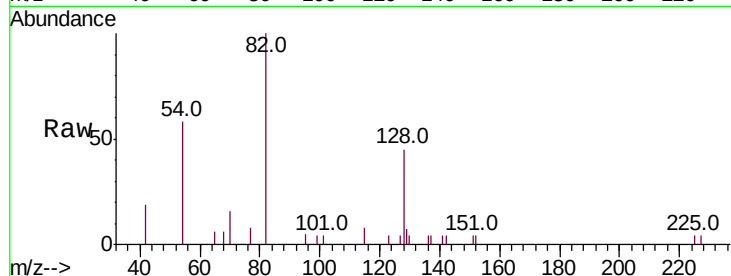
ClientSampled :

1548

Tot Ion:	82	Resp:	3551
Ion Ratio	Lower	Upper	
82	100		
128	45.5	150.0	225.0#
54	57.9	154.2	231.4#

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#9

Naphthalene

Concen: 4.603 ng

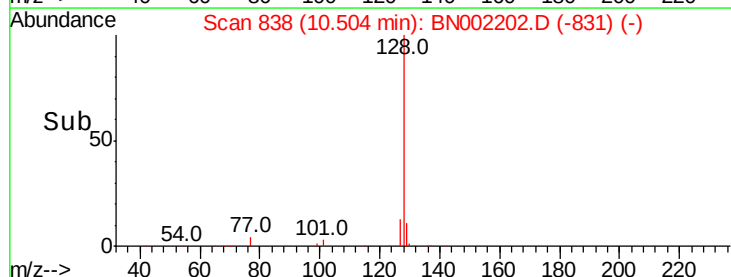
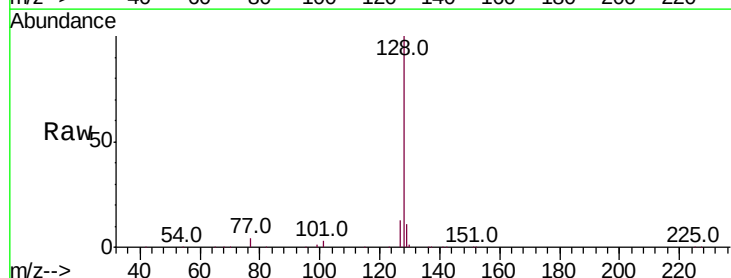
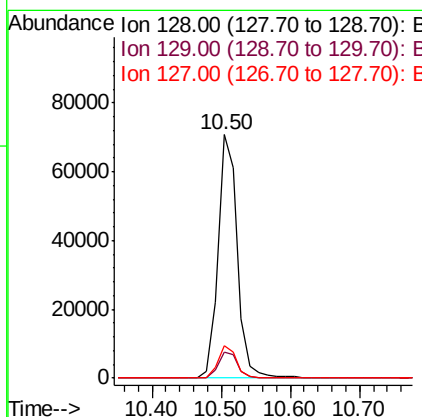
RT: 10.50 min Scan# 838

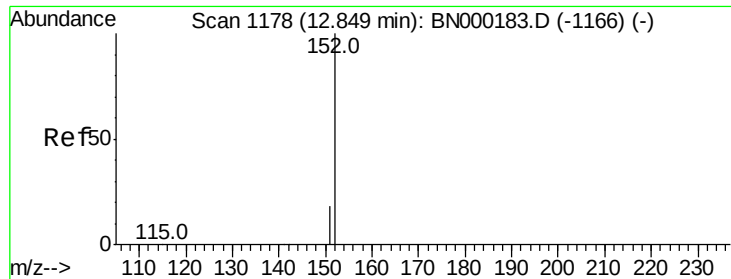
Delta R.T. -0.01 min

Lab File: BN002202.D

Acq: 31 Jul 2018 09:11

Tgt Ion:	128	Resp:	137355
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.0	12.0
127	13.2	9.6	14.4





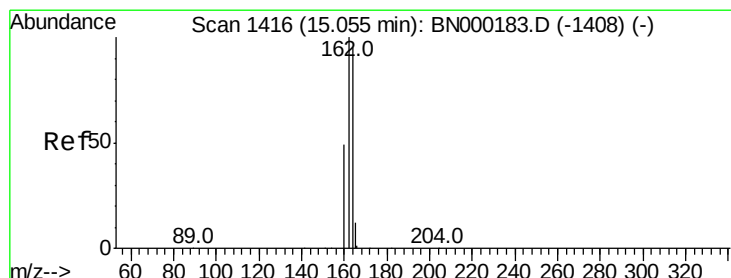
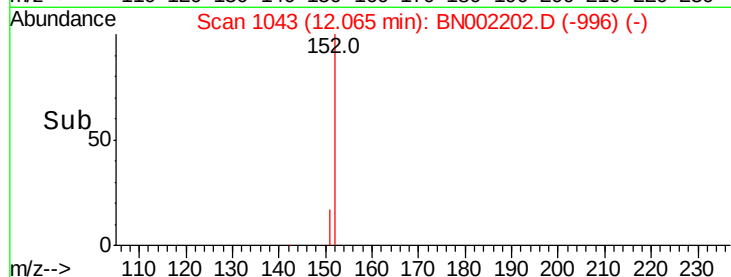
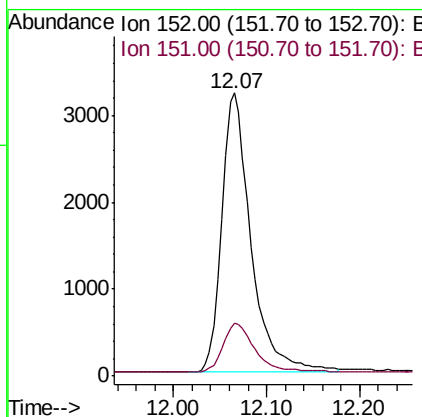
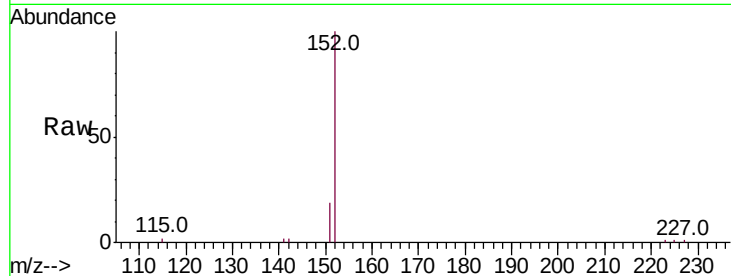
#11
2-Methylnaphthalene-d10
Concen: 0.357 ng
RT: 12.07 min Scan# 1043
Delta R.T. 0.01 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Instrument :
BNA_N
ClientSampleId :
1548

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.0

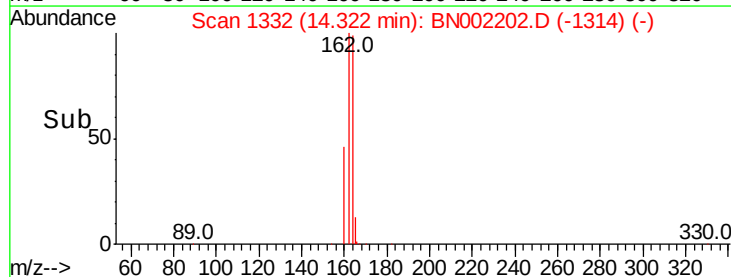
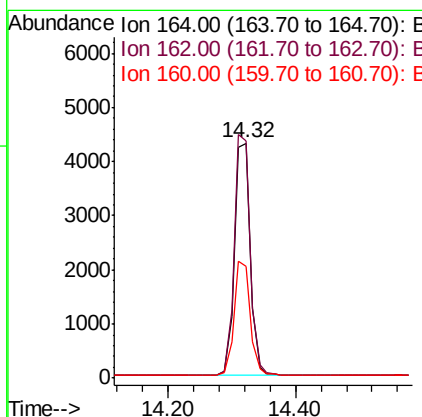
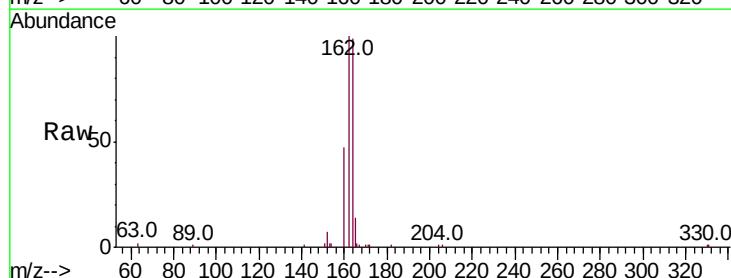
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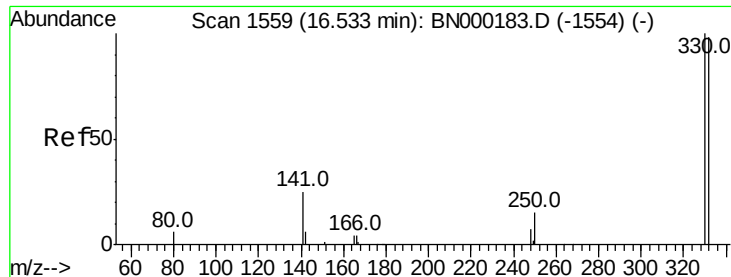
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	83.1	124.7
160	47.5	37.1	55.7





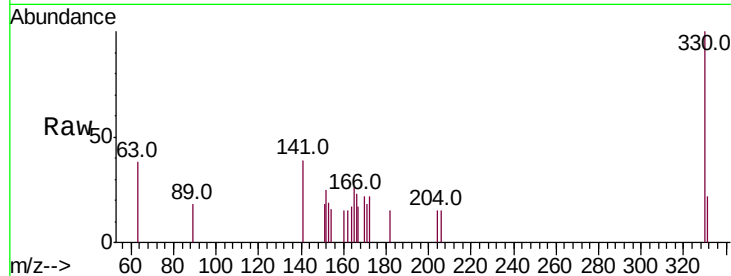
#14
 2,4,6-Tribromophenol
 Concen: 0.228 ng
 RT: 15.84 min Scan# 1468
 Delta R.T. 0.01 min
 Lab File: BN002202.D
 Acq: 31 Jul 2018 09:11

Instrument :
 BNA_N
 ClientSampled :
 1548

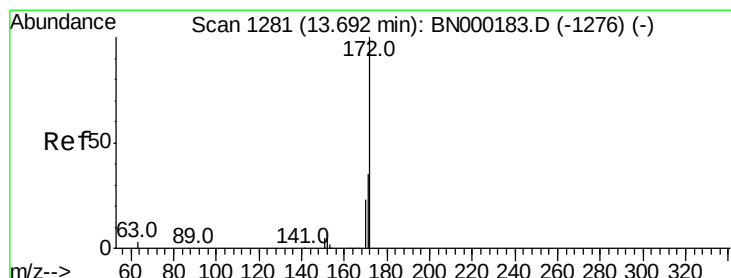
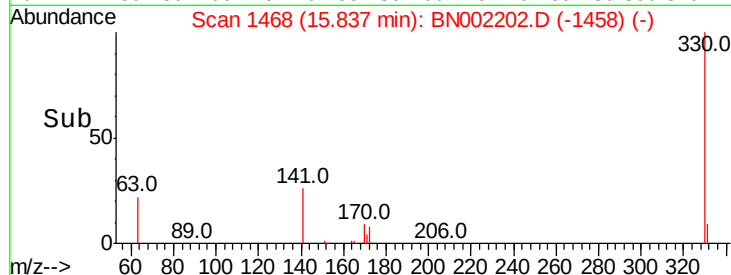
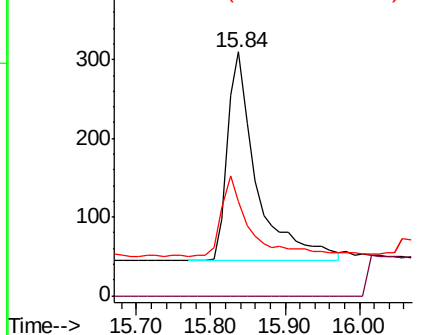
Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	152.7	229.1#
141	36.9	33.7	50.5

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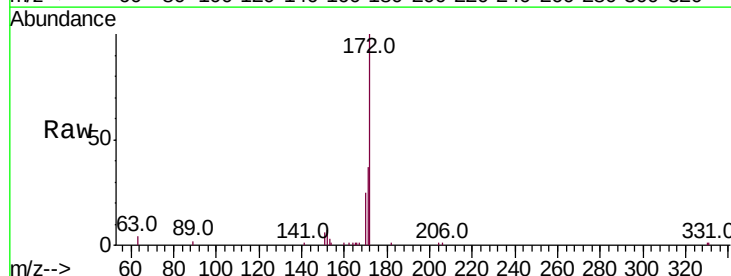


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

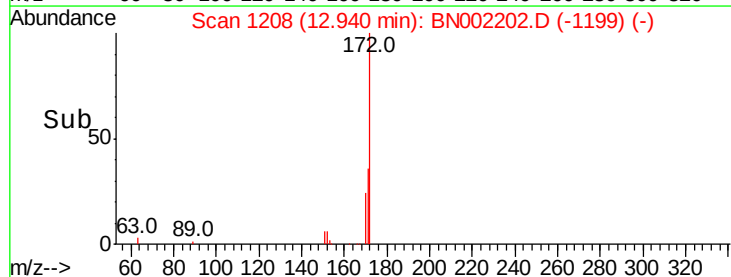
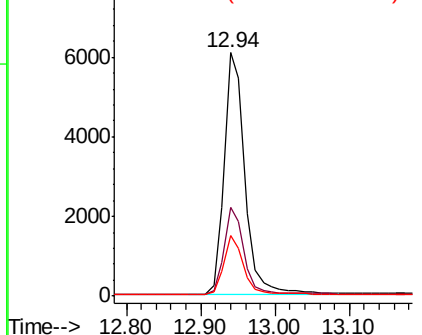


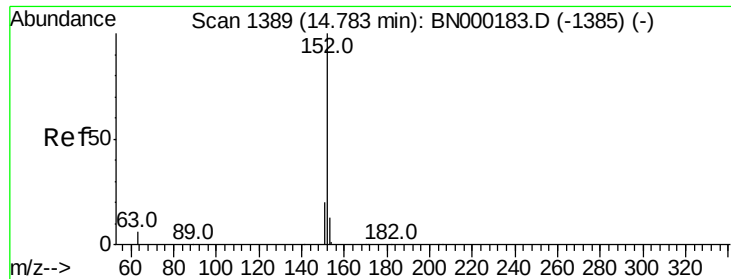
#15
 2-Fluorobiphenyl
 Concen: 0.407 ng
 RT: 12.94 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BN002202.D
 Acq: 31 Jul 2018 09:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	24.8	21.8	32.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





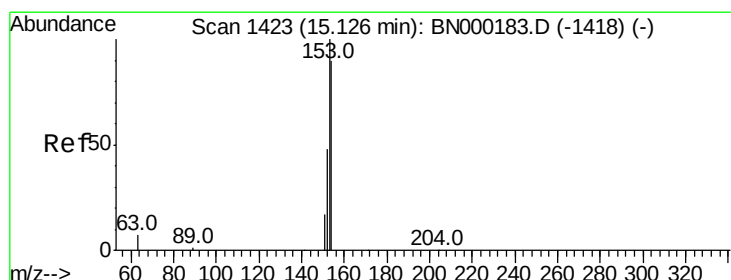
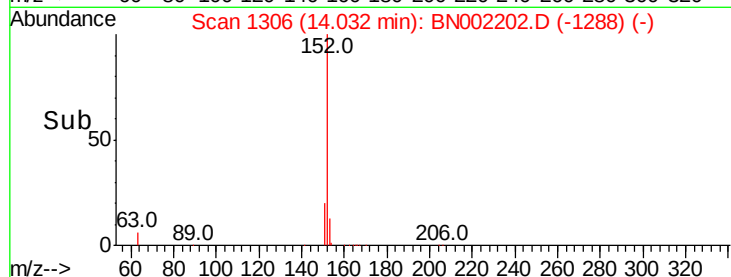
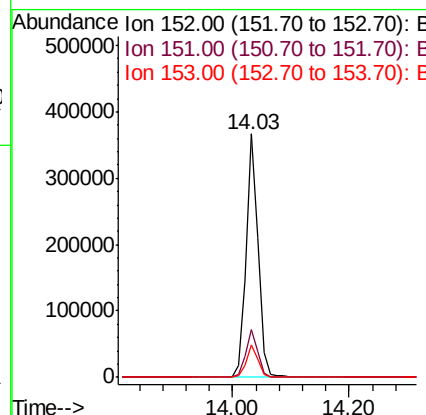
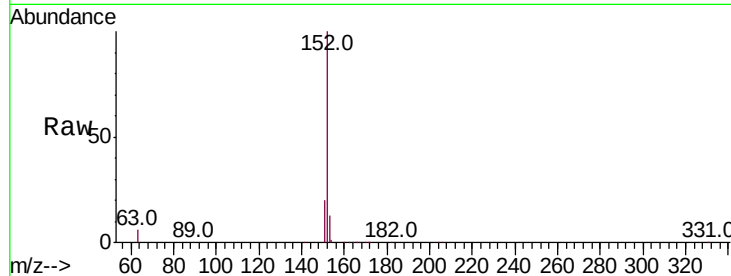
#16
Acenaphthylene
Concen: 16.603 ng
RT: 14.03 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Instrument :
BNA_N
ClientSampled :
1548

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.1	10.5	15.7

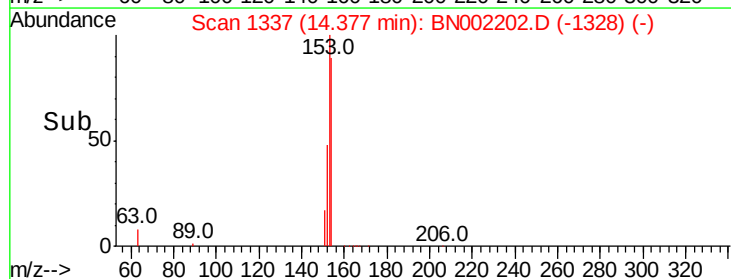
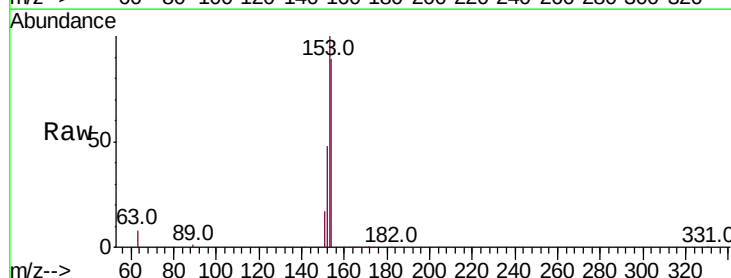
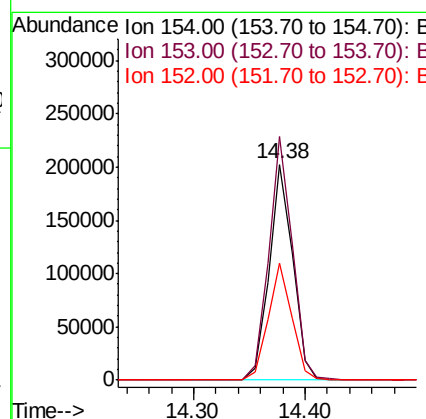
Manual Integrations
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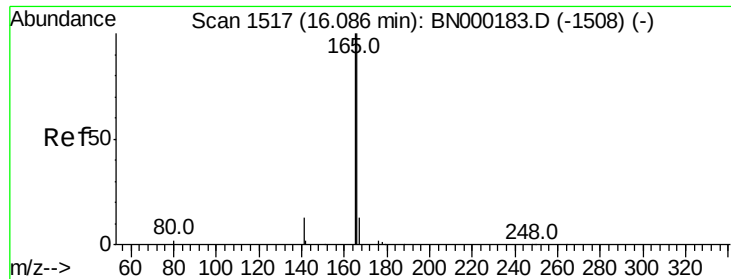
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#17
Acenaphthene
Concen: 14.471 ng
RT: 14.38 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.2	133.8
152	54.2	42.0	63.0





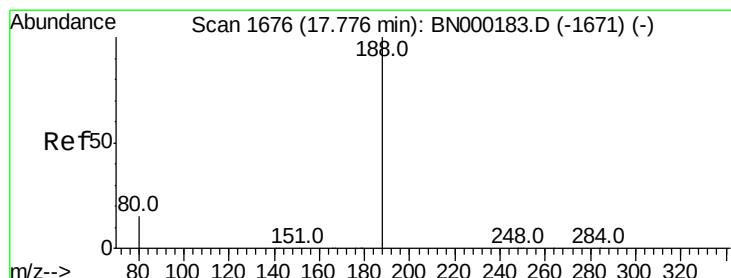
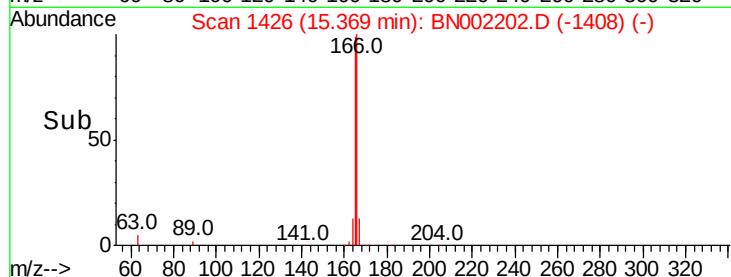
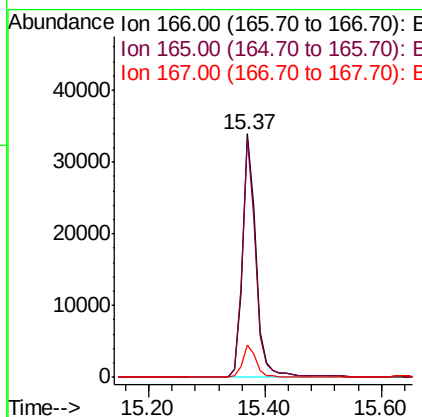
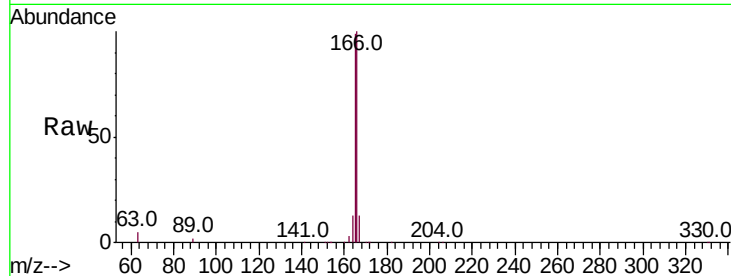
#18
Fluorene
Concen: 2.162 ng
RT: 15.37 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Instrument :
BNA_N
ClientSampleId :
1548

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.8	116.6
167	13.3	42.4	63.6#

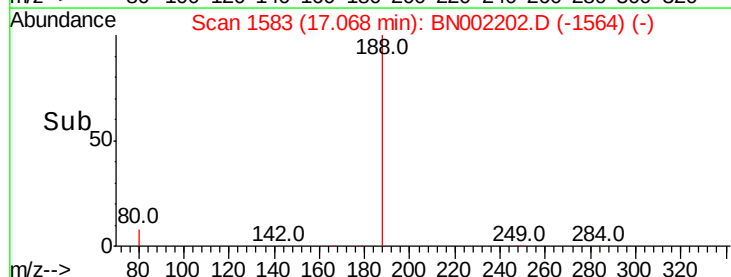
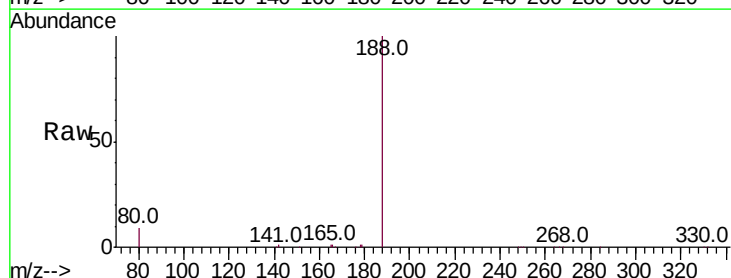
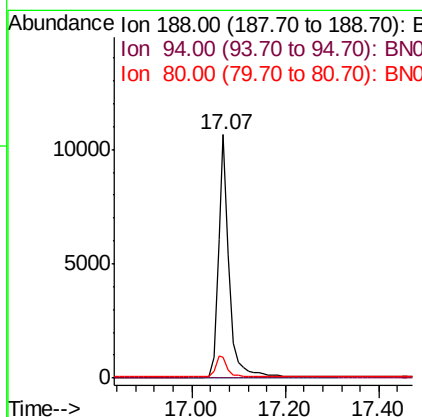
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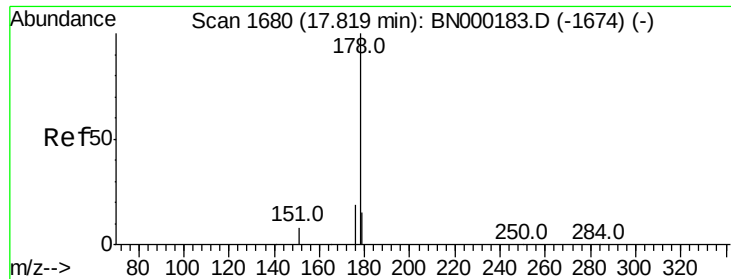
Sohil
8/1/2018 4:49:20 PM



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	8.5	3.6	5.4#





#23

Phenanthrene

Concen: 0.977 ng

RT: 17.11 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BN002202.D

Acq: 31 Jul 2018 09:11

Instrument :

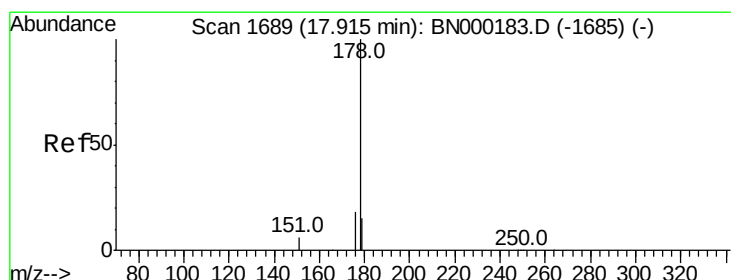
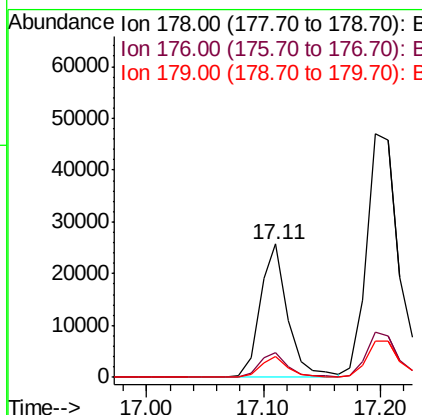
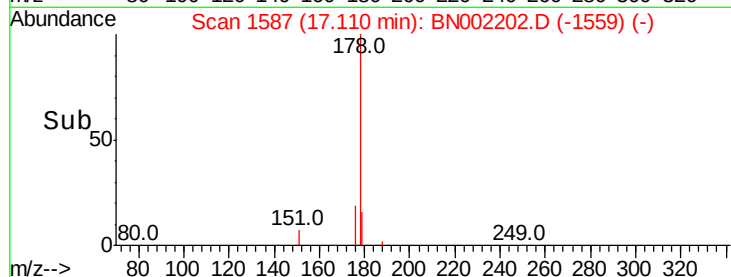
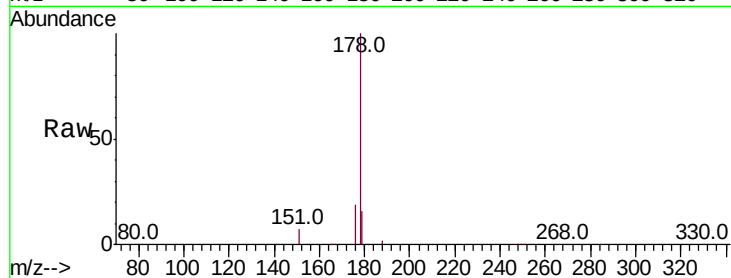
BNA_N

ClientSampled :
1548

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.3	11.8	17.6

Manual Integrations
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#24

Anthracene

Concen: 2.525 ng

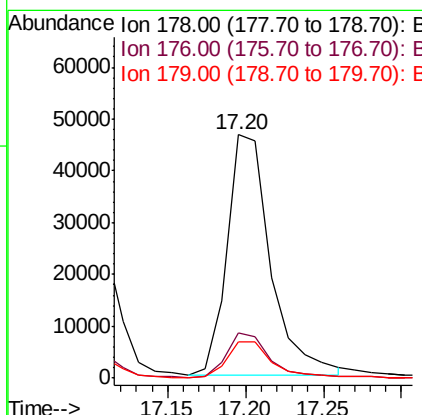
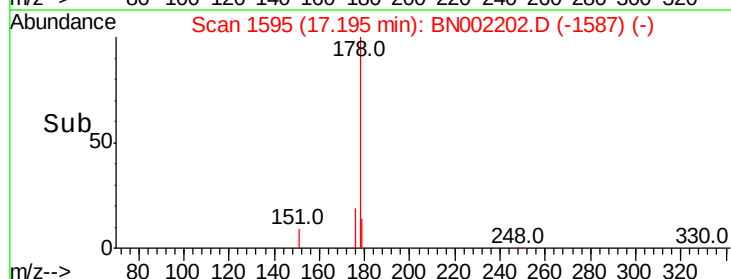
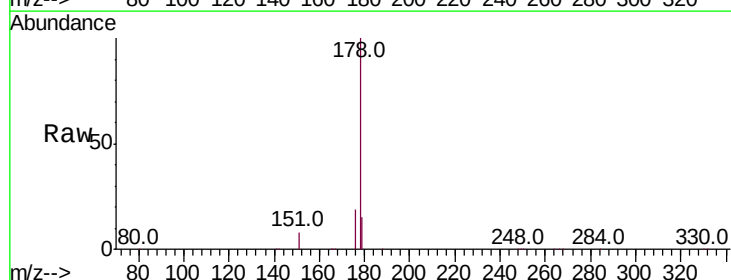
RT: 17.20 min Scan# 1595

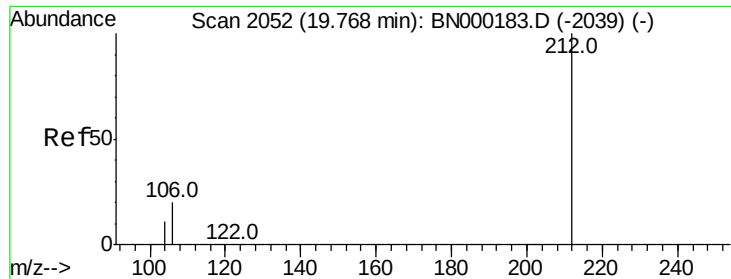
Delta R.T. -0.01 min

Lab File: BN002202.D

Acq: 31 Jul 2018 09:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	12.8	19.2
179	15.2	13.0	19.6





#25

Fluoranthene-d10

Concen: 0.385 ng

RT: 19.10 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BN002202.D

Acq: 31 Jul 2018 09:11

Instrument :

BNA_N

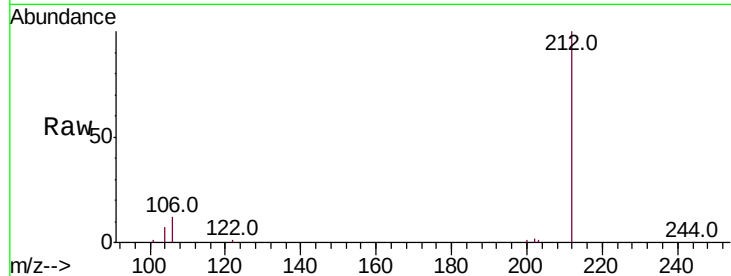
ClientSampled :

1548

Tot Ion	Ratio	Lower	Upper
212	100		
106	11.7	2.8	4.2#
104	6.5	1.6	2.4#

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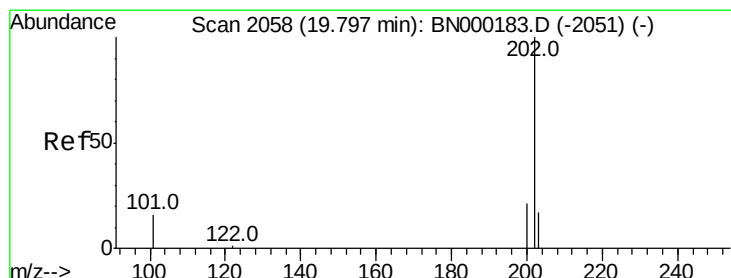
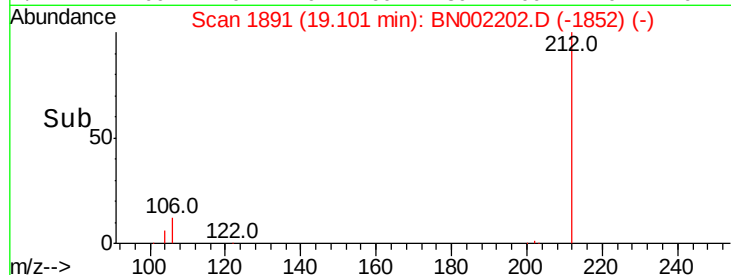
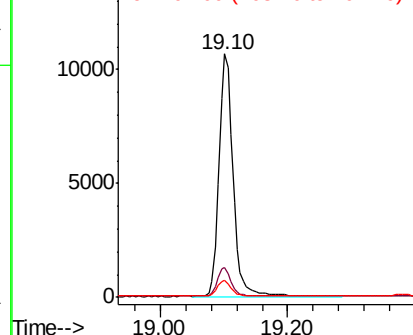
Sohil
8/1/2018 4:49:20 PM



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: 2.219 ng

RT: 19.13 min Scan# 1897

Delta R.T. -0.01 min

Lab File: BN002202.D

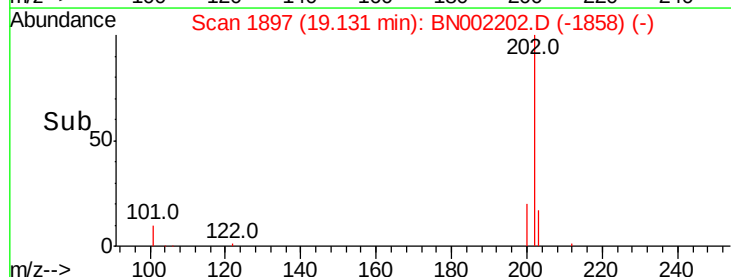
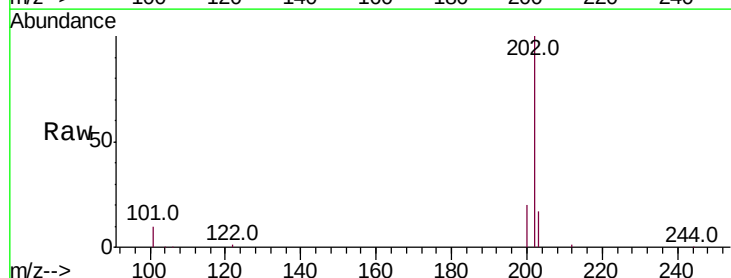
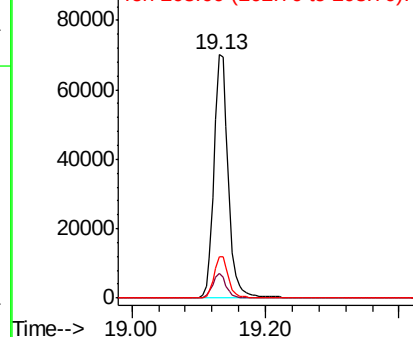
Acq: 31 Jul 2018 09:11

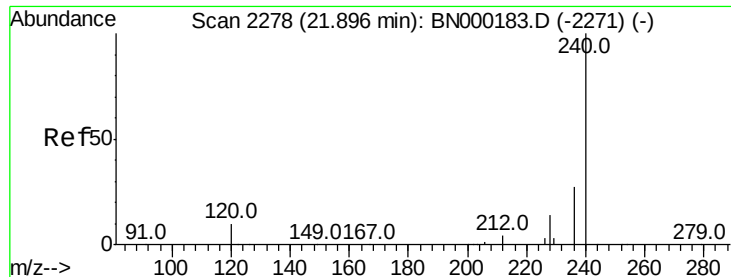
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	9.8	14.8#
203	17.2	13.7	20.5

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





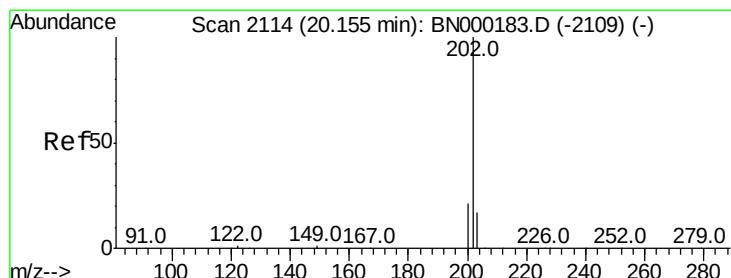
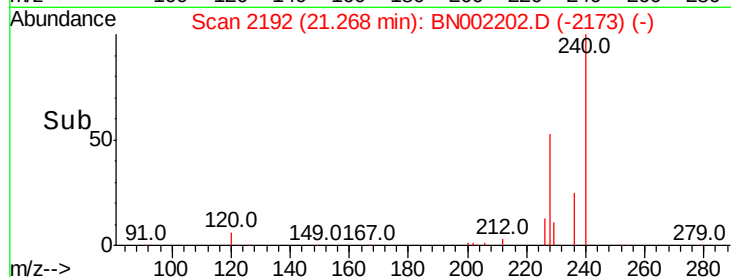
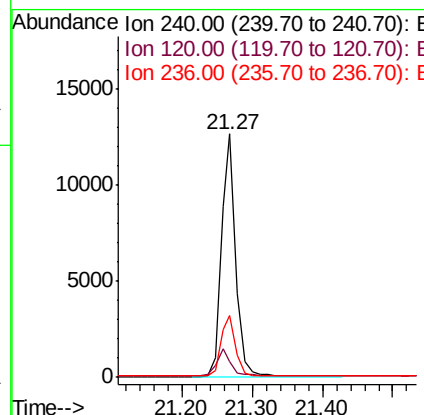
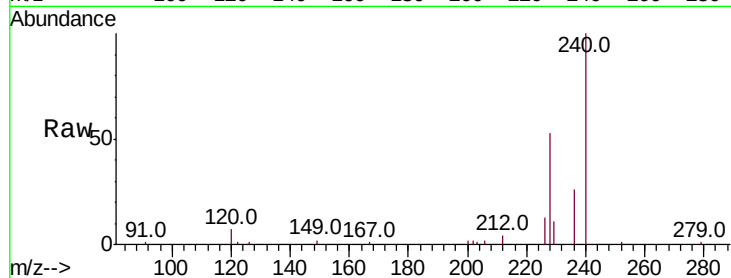
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Instrument :
BNA_N
ClientSampleId :
1548

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.7	5.5	8.3
236	25.5	20.7	31.1

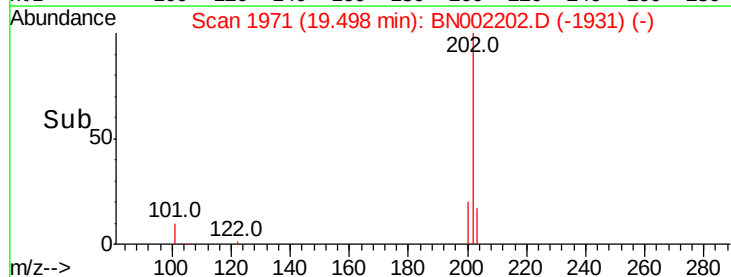
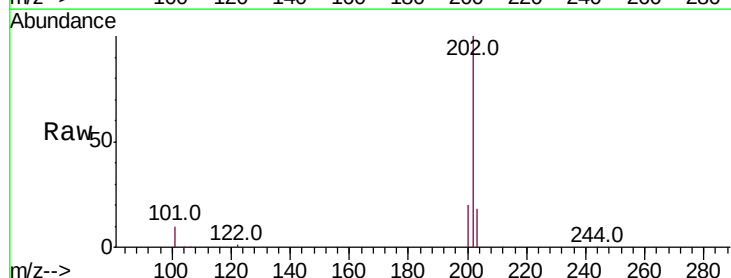
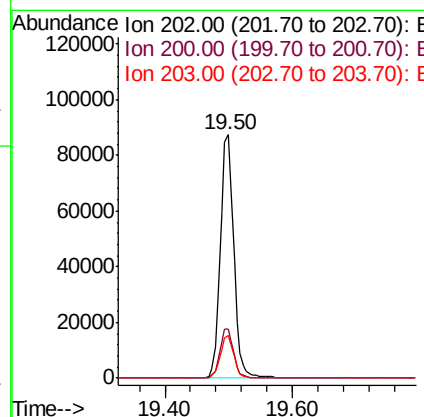
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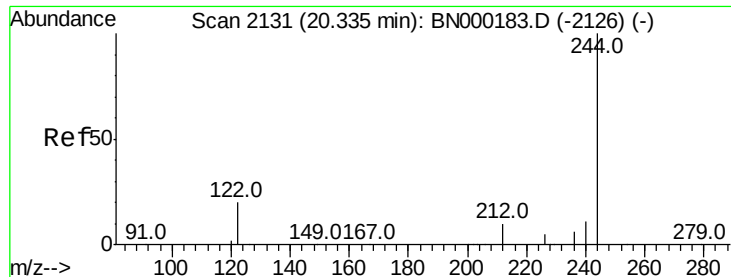
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#28
Pyrene
Concen: 2.408 ng
RT: 19.50 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	25.0
203	17.7	13.8	20.8





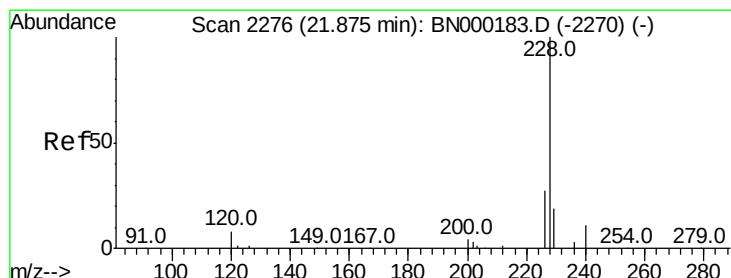
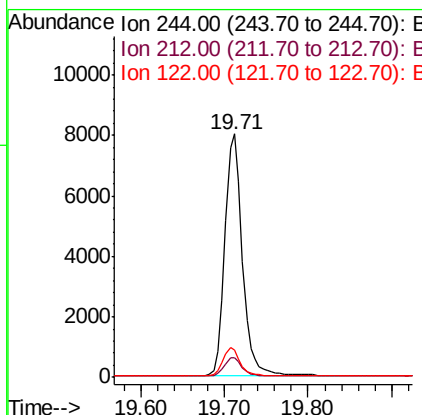
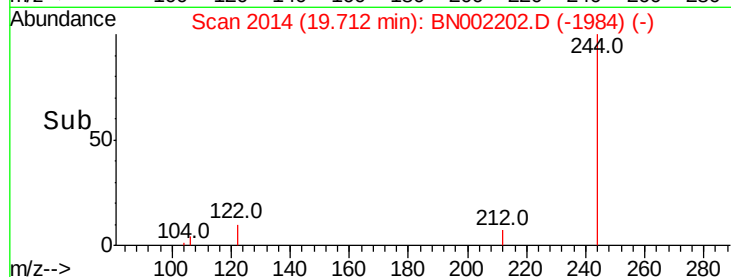
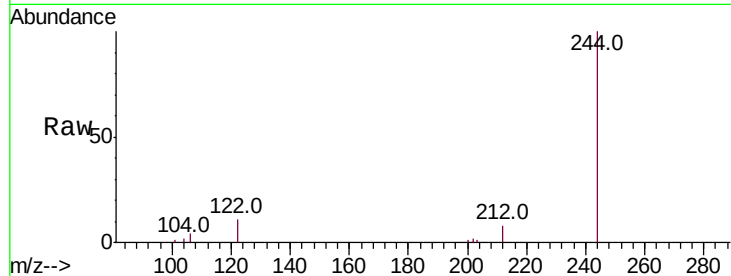
#29
 Terphenyl-d14
 Concen: 0.305 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: BN002202.D
 Acq: 31 Jul 2018 09:11

Instrument :
 BNA_N
 ClientSampled :
 1548

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.0	25.4	38.0#
122	11.0	8.1	12.1

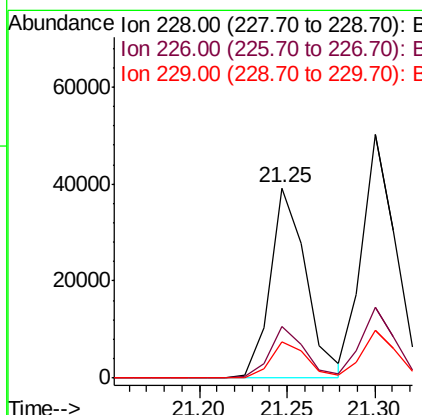
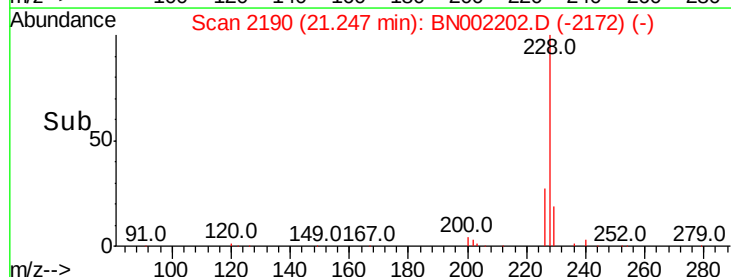
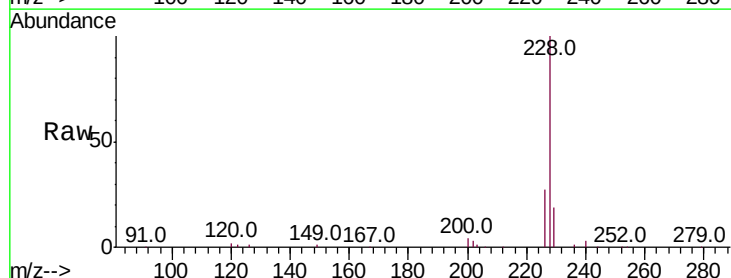
Manual Integrations
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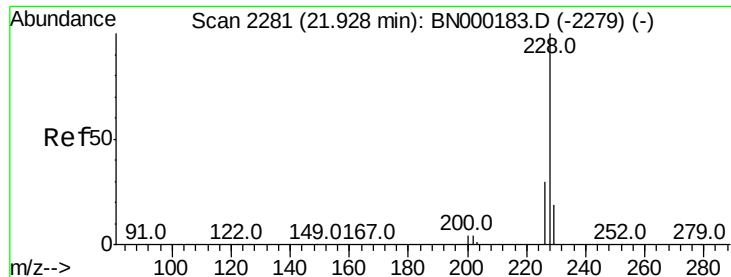
Sohil
 8/1/2018 4:49:20 PM



#30
 Benzo(a)anthracene
 Concen: 1.231 ng
 RT: 21.25 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BN002202.D
 Acq: 31 Jul 2018 09:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	24.0	36.0
229	19.2	16.0	24.0





#31

Chrysene

Concen: 1.335 ng

RT: 21.30 min Scan# 2195

Delta R.T. -0.00 min

Lab File: BN002202.D

Acq: 31 Jul 2018 09:11

Instrument :

BNA_N

ClientSampled :

1548

Tot Ion:228 Resp: 67598

Ion Ratio Lower Upper

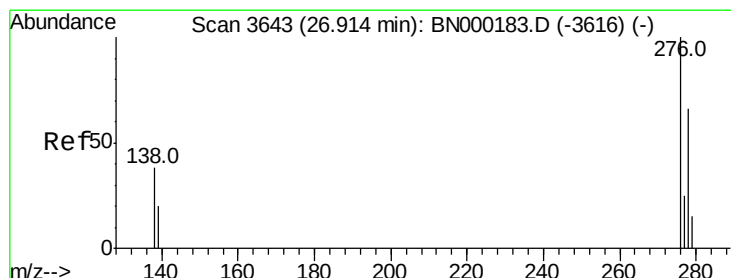
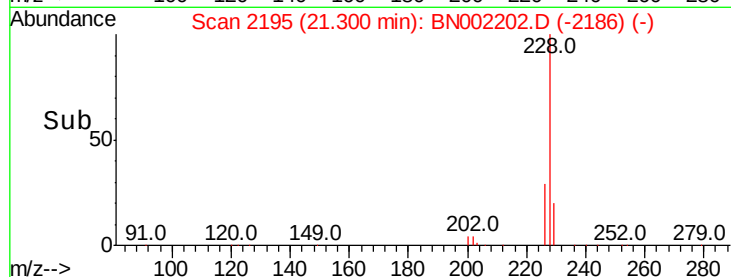
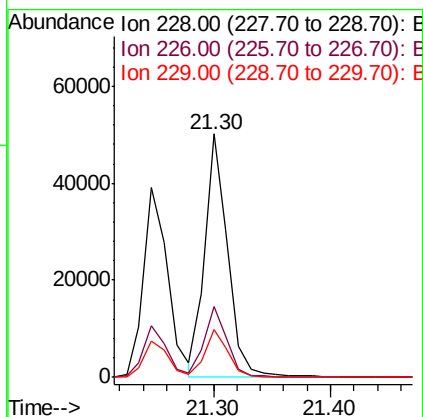
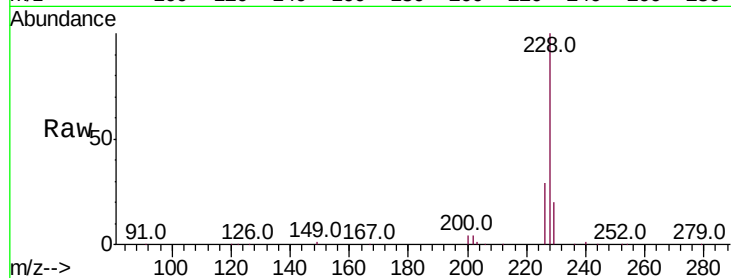
228 100

226 29.2 24.0 36.0

229 19.6 16.0 24.0

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 2.625 ng

RT: 25.71 min Scan# 3265

Delta R.T. -0.02 min

Lab File: BN002202.D

Acq: 31 Jul 2018 09:11

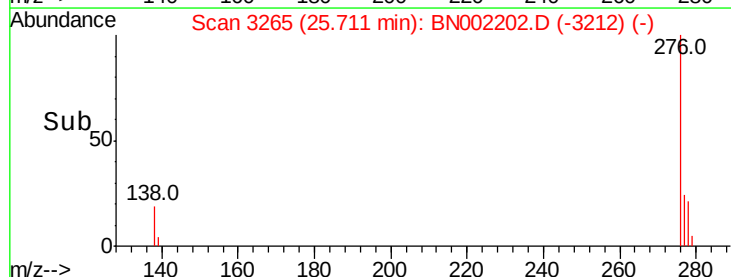
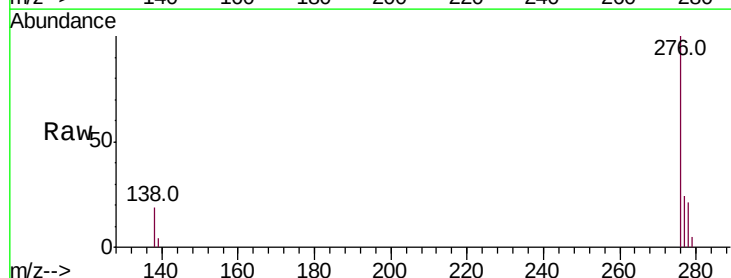
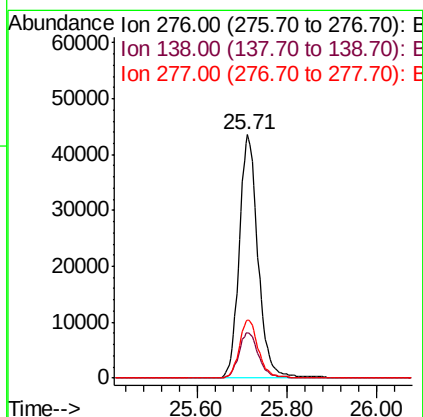
Tgt Ion:276 Resp: 125240

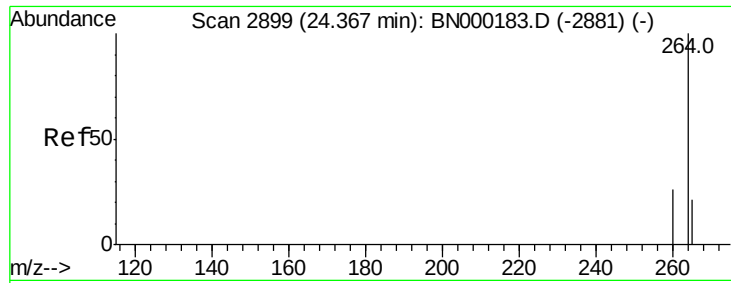
Ion Ratio Lower Upper

276 100

138 19.3 22.5 33.7#

277 24.0 19.9 29.9





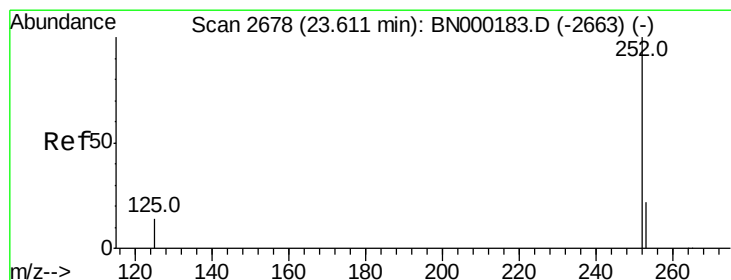
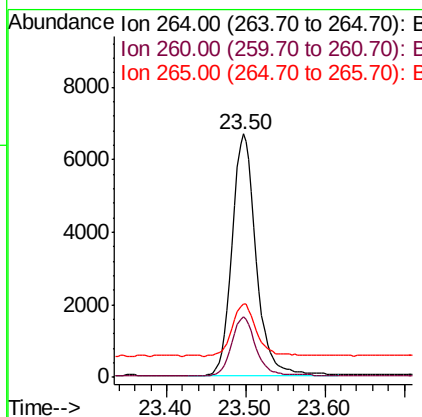
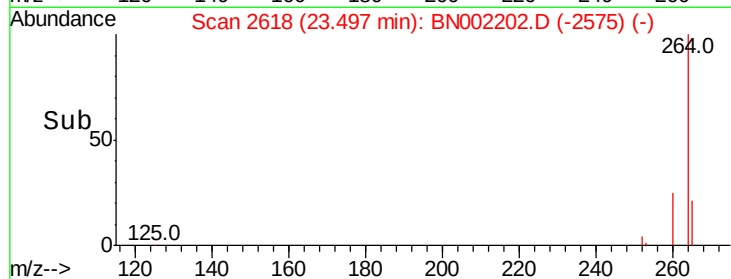
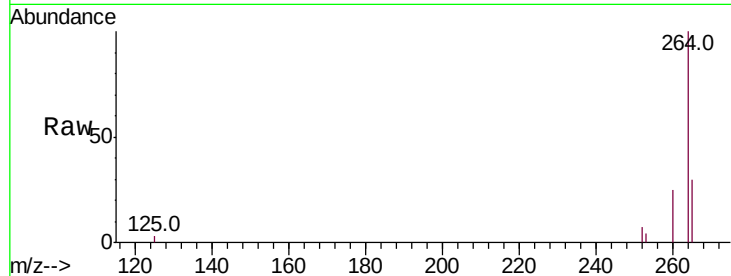
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.50 min Scan# 2618
Delta R.T. -0.00 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Instrument :
BNA_N
ClientSampleId :
1548

Tot Ion:	264	Resp:	13997
Ion Ratio	Lower	Upper	
264	100		
260	25.1	20.5	30.7
265	30.0	22.8	34.2

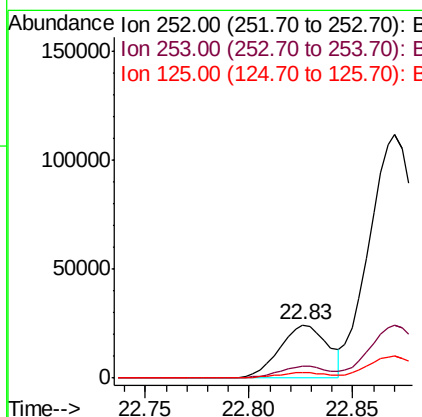
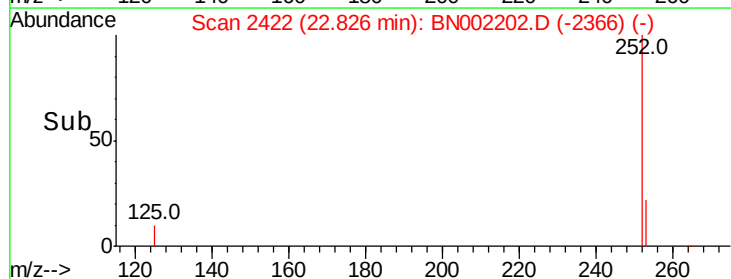
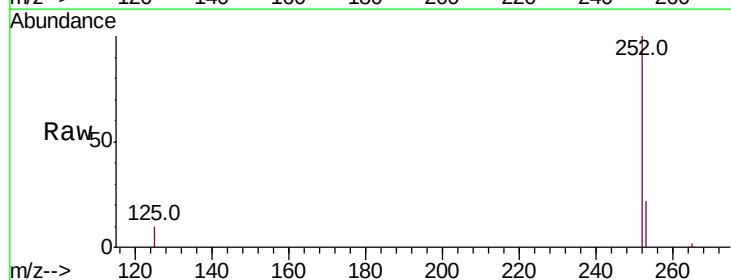
Manual Integrations
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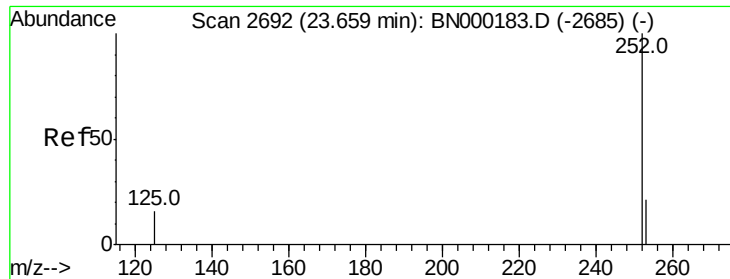
Sohil
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#35
Benzo(b)fluoranthene
Concen: 0.946 ng
RT: 22.83 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Tgt Ion:	252	Resp:	38963
Ion Ratio	Lower	Upper	
252	100		
253	22.5	20.0	30.0
125	10.1	16.0	24.0#





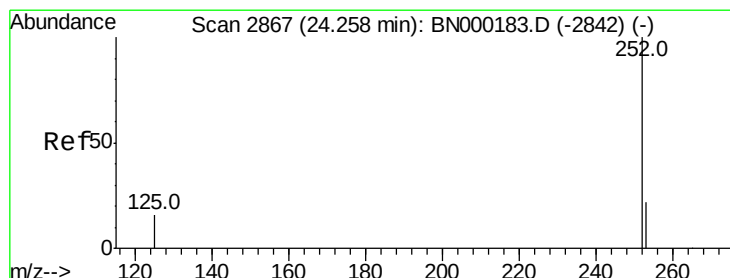
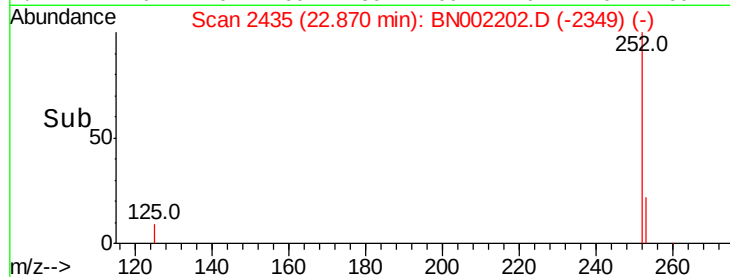
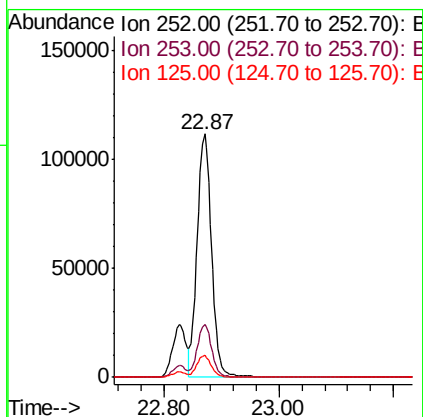
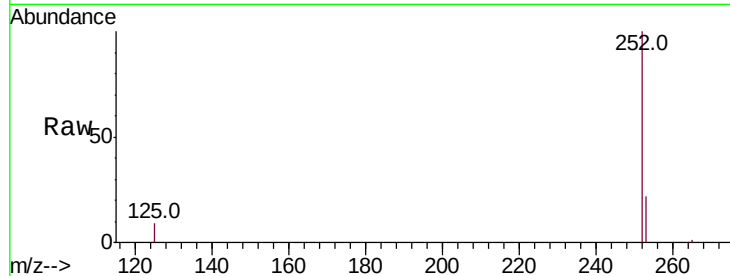
#36
Benzo(k)fluoranthene
Concen: 4.475 ng
RT: 22.87 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Instrument :
BNA_N
ClientSampleId :
1548

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	16.0	24.0
125	8.9	8.0	12.0

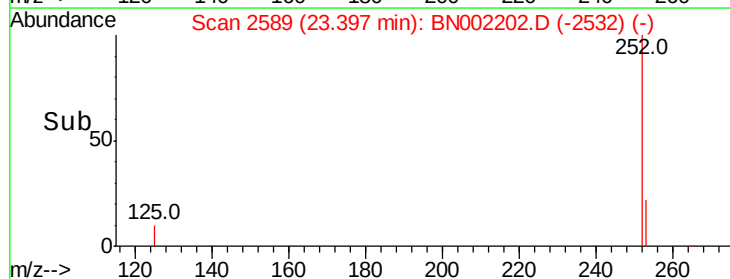
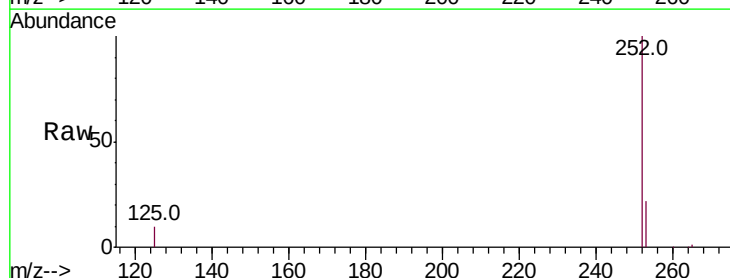
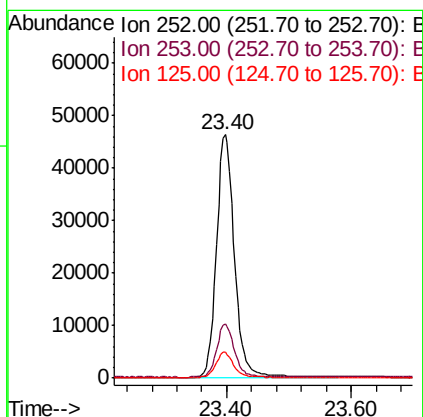
Manual Integrations
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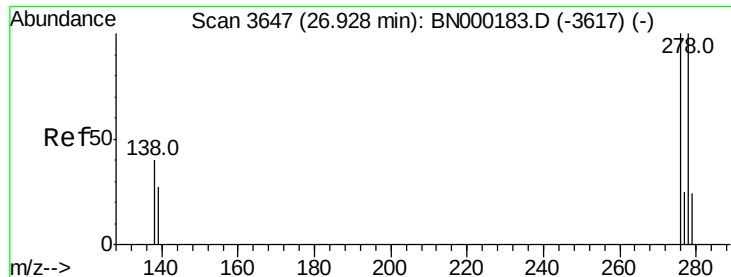
Sohil
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#37
Benzo(a)pyrene
Concen: 2.472 ng
RT: 23.40 min Scan# 2589
Delta R.T. -0.00 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.0	24.0
125	10.5	12.0	18.0





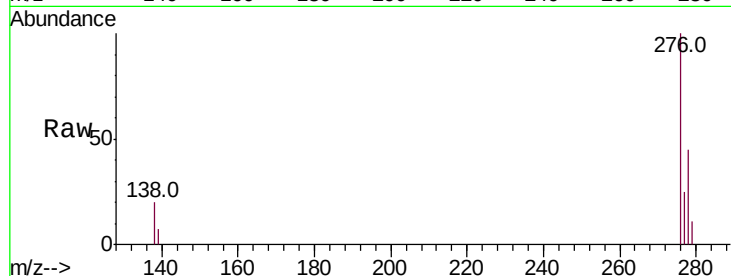
#38
Dibenzo(a,h)anthracene
Concen: 1.185 ng
RT: 25.73 min Scan# 3270
Delta R.T. -0.01 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Instrument :
BNA_N
ClientSampleId :
1548

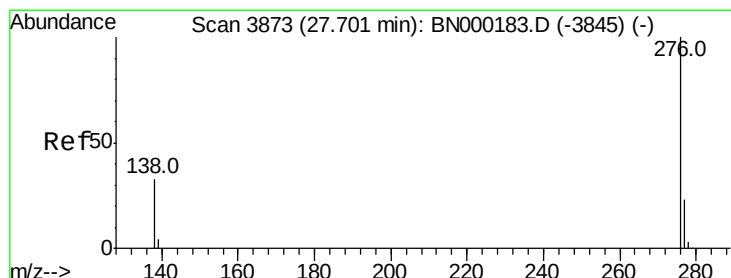
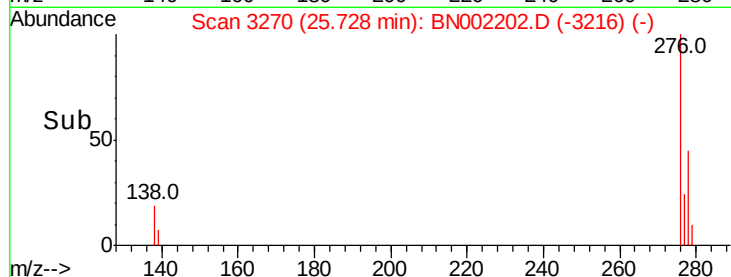
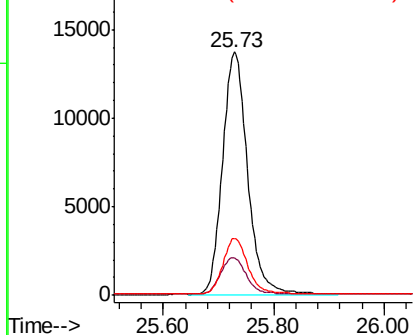
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.6	16.0	24.0#
279	23.4	20.0	30.0

Manual Integrations
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8/1/2018 4:49:20 PM



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: 2.360 ng
RT: 26.40 min Scan# 3465
Delta R.T. -0.01 min
Lab File: BN002202.D
Acq: 31 Jul 2018 09:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	16.0	24.0
138	19.3	20.0	30.0#

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

