

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082619\
 Data File : BN007420.D
 Acq On : 26 Aug 2019 21:24
 Operator : HP/JU
 Sample : K4515-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S302A-J-1.5-2.0-082319

Manual Integrations
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 8/30/2019 8:57:21 AM

Quant Time: Aug 27 08:11:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 24 00:38:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	3497	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	14302	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	8499	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	17322	0.40	ng	0.00
27) Chrysene-d12	21.03	240	16085	0.40	ng	0.01
34) Perylene-d12	23.13	264	18075	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	3730	0.30	ng	0.00
5) Phenol-d6	6.60	99	4734	0.30	ng	0.00
8) Nitrobenzene-d5	8.53	82	3602	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	6745	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1373	0.31	ng	-0.01
15) 2-Fluorobiphenyl	12.66	172	8381	0.24	ng	0.00
25) Fluoranthene-d10	18.85	212	13673	0.25	ng	0.00
29) Terphenyl-d14	19.47	244	10568	0.25	ng	0.00
Target Compounds						
18) Fluorene	15.11	166	769	0.021	ng	91
23) Phenanthrene	16.84	178	10371	0.199	ng	99
24) Anthracene	16.93	178	1831	0.035	ng	# 89
26) Fluoranthene	18.88	202	27703	0.414	ng	99
28) Pyrene	19.24	202	23662	0.366	ng	# 94
30) Benzo(a)anthracene	21.01	228	12104	0.192	ng	# 66
31) Chrysene	21.06	228	12526	0.205	ng	# 69
32) Bis(2-ethylhexyl)phthalate	20.97	149	5703	0.121	ng	# 62
33) Indeno(1,2,3-cd)pyrene	25.20	276	8654	0.118	ng	97
35) Benzo(b)fluoranthene	22.51	252	17435	0.266	ng	# 9
36) Benzo(k)fluoranthene	22.55	252	5949m	0.092	ng	
37) Benzo(a)pyrene	23.04	252	11801	0.189	ng	# 1
39) Benzo(a,h,i)perylene	25.83	276	8678	0.140	ng	# 32

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

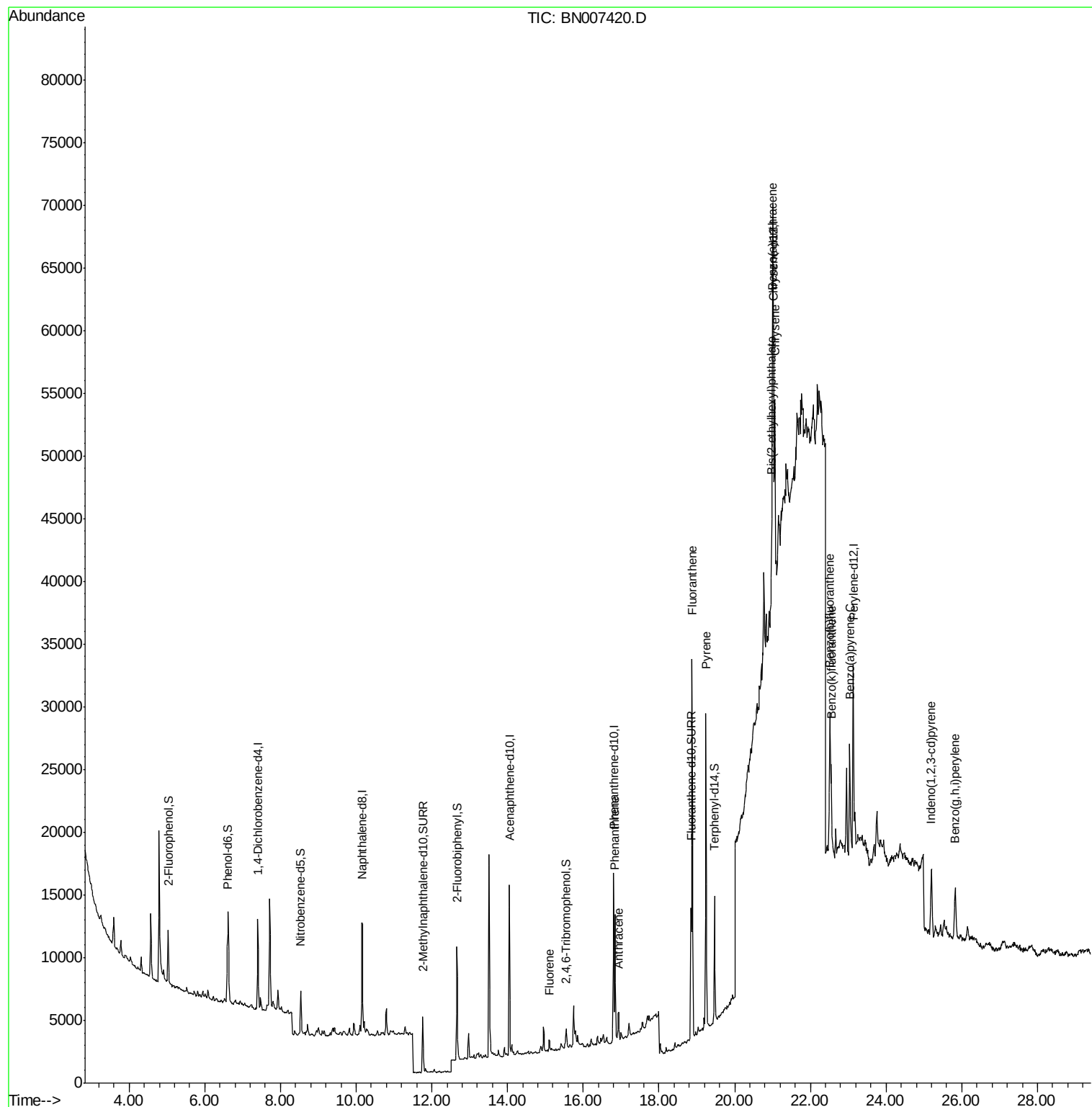
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082619\
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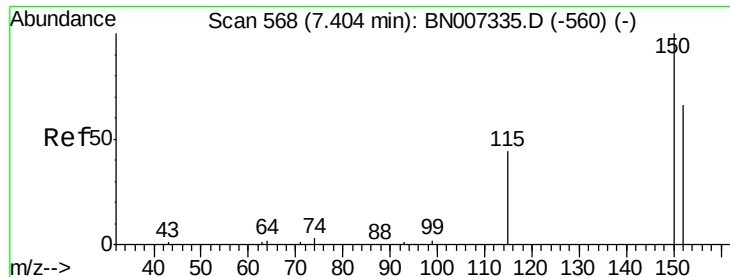
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

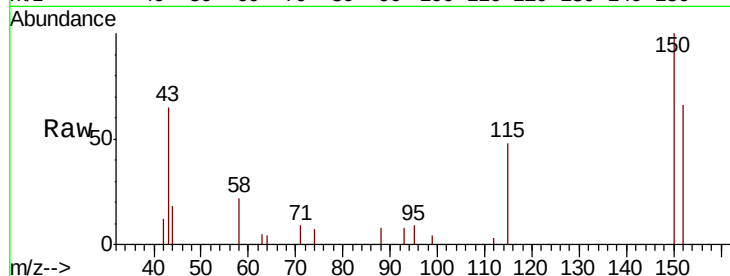
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. 0.00 min
Lab File: BN007420.D
Acq: 26 Aug 2019 21:24

Instrument :
BNA_N
ClientSampleId :
S302A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	109.1	163.7
115	71.8	59.6	89.4

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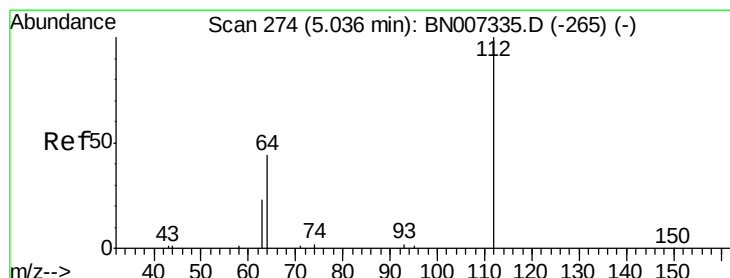
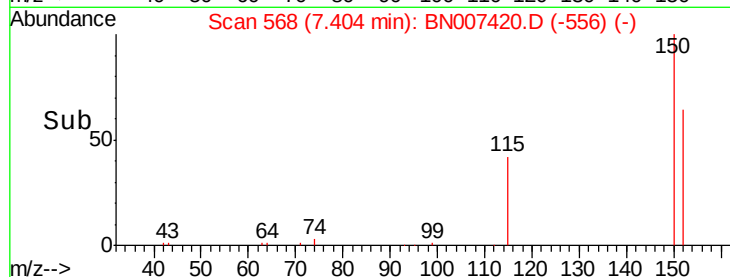
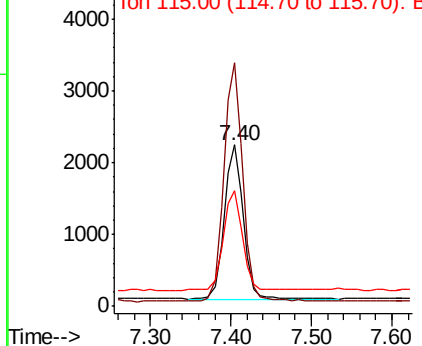


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

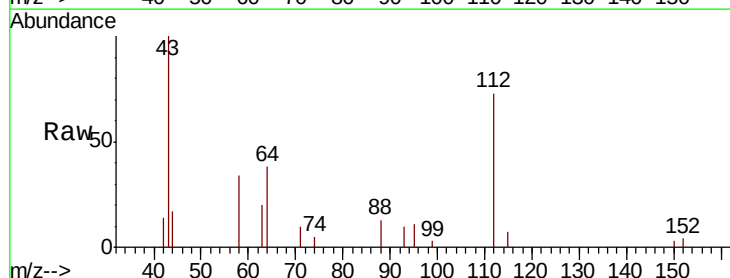
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.300 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007420.D
Acq: 26 Aug 2019 21:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	42.3	63.5
63	26.0	23.6	35.4

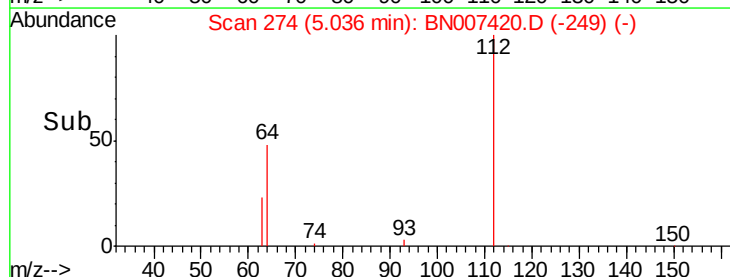
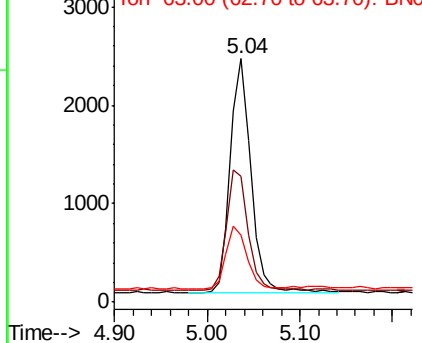


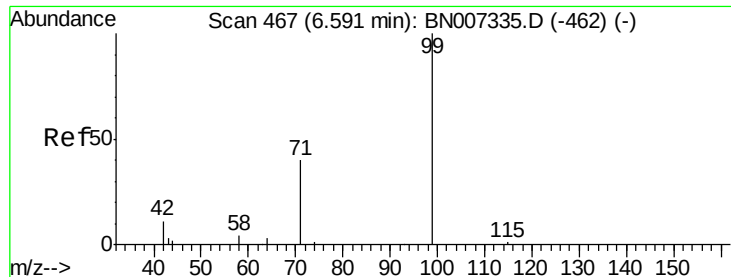
Abundance

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: 0.299 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.01 min

Lab File: BN007420.D

Acq: 26 Aug 2019 21:24

Instrument :

BNA_N

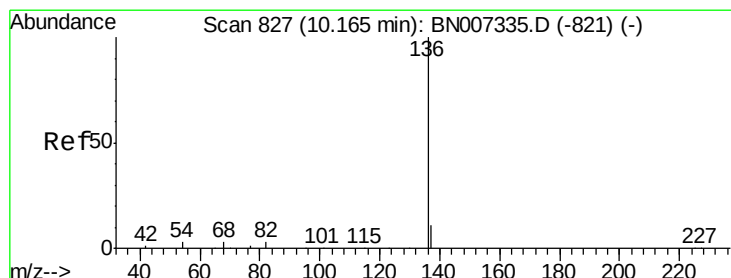
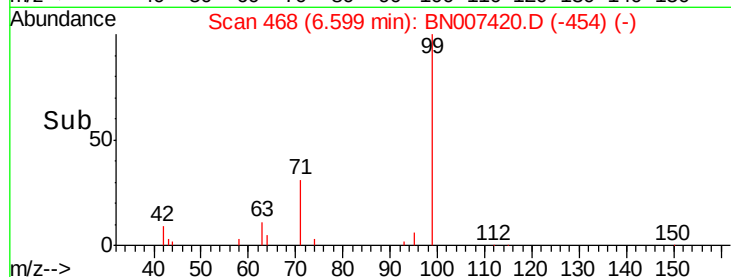
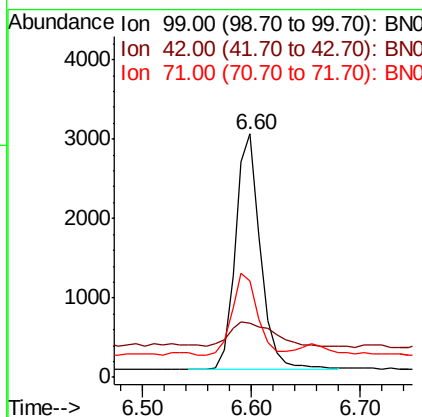
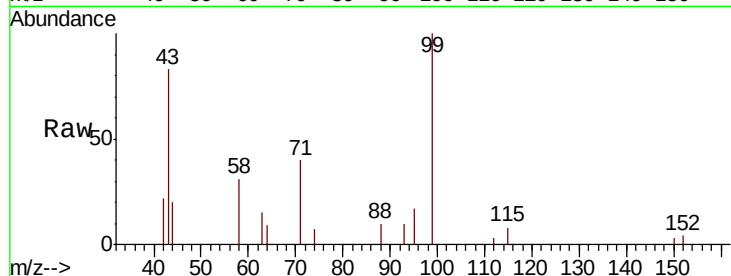
ClientSampleId :

S302A-J-1.5-2.0-082319

Tot Ion:	99	Resp:	4734
Ion	Ratio	Lower	Upper
99	100		
42	18.1	11.2	16.8#
71	35.2	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

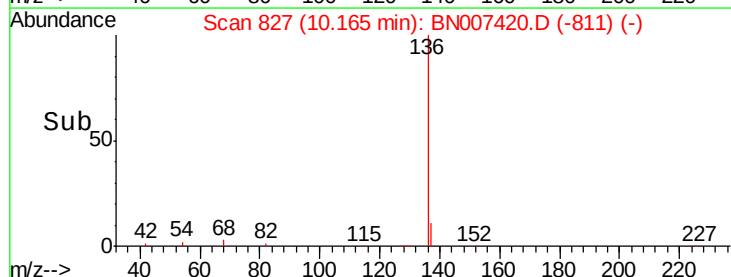
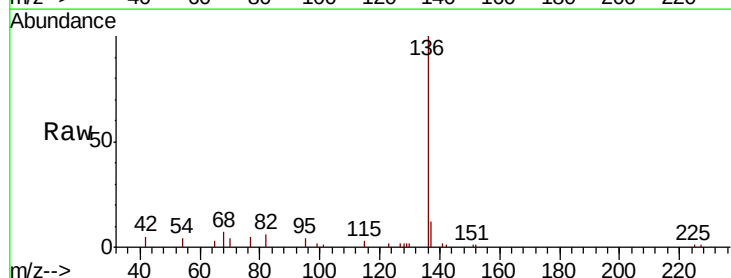
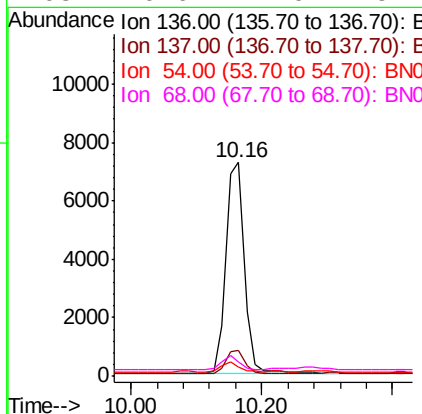
RT: 10.16 min Scan# 827

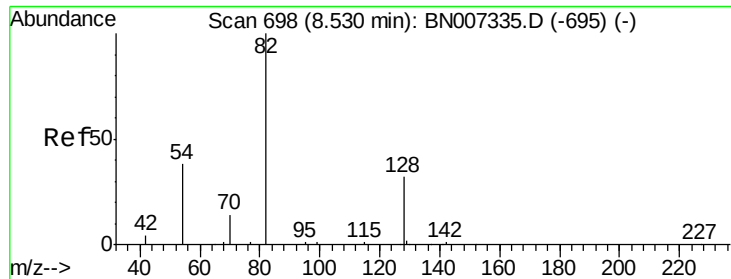
Delta R.T. 0.00 min

Lab File: BN007420.D

Acq: 26 Aug 2019 21:24

Tgt Ion:	136	Resp:	14302
Ion	Ratio	Lower	Upper
136	100		
137	12.0	12.9	19.3#
54	4.3	8.6	12.8#
68	6.6	17.0	25.4#





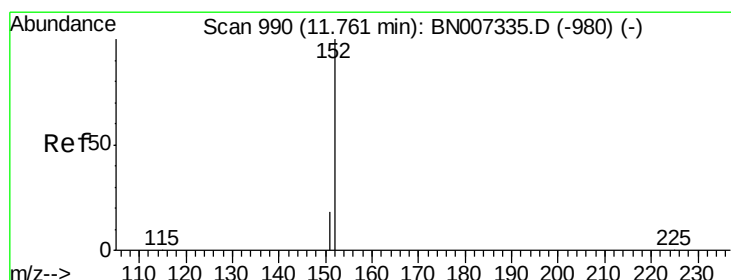
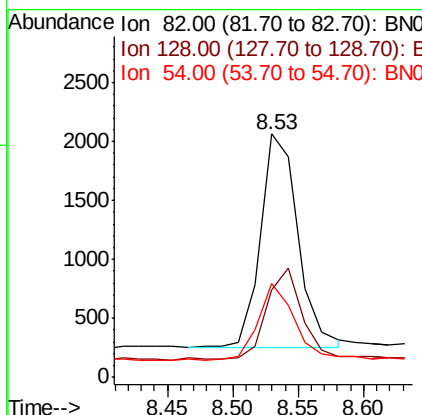
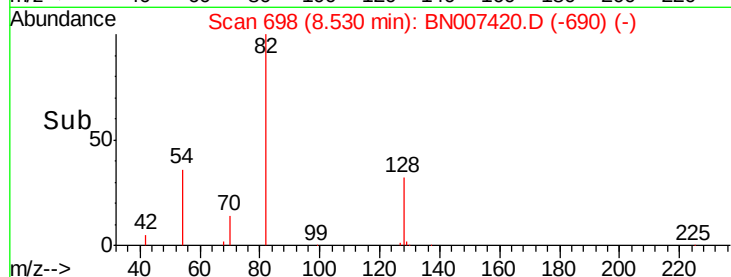
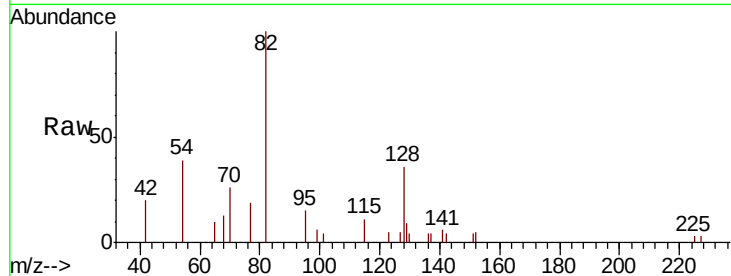
#8
 Nitrobenzene-d5
 Concen: 0.289 ng
 RT: 8.53 min Scan# 698
 Delta R.T. 0.00 min
 Lab File: BN007420.D
 Acq: 26 Aug 2019 21:24

Instrument :
 BNA_N
 ClientSampleId :
 S302A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.9	19.7	29.5#
54	38.6	25.8	38.6

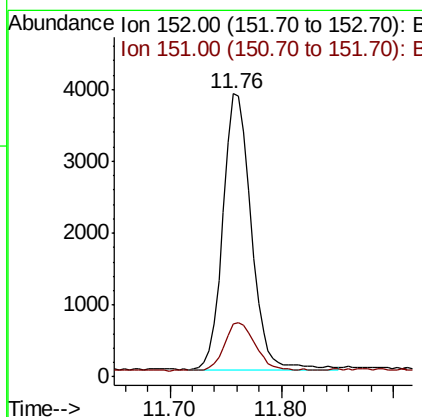
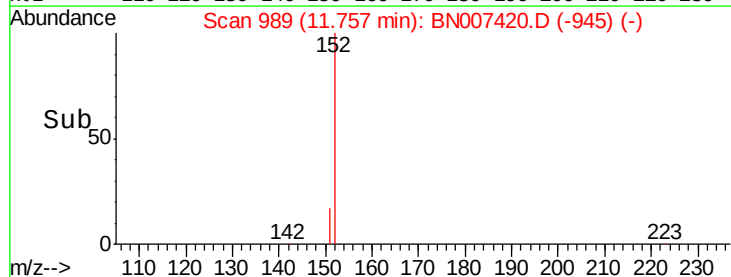
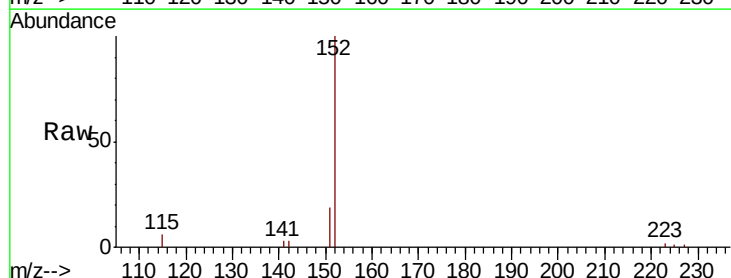
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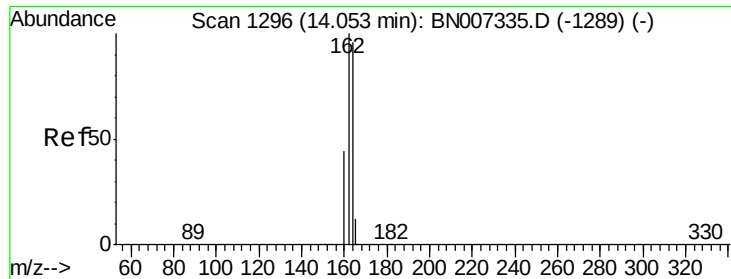
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#11
 2-Methylnaphthalene-d10
 Concen: 0.284 ng
 RT: 11.76 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: BN007420.D
 Acq: 26 Aug 2019 21:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.2	24.2





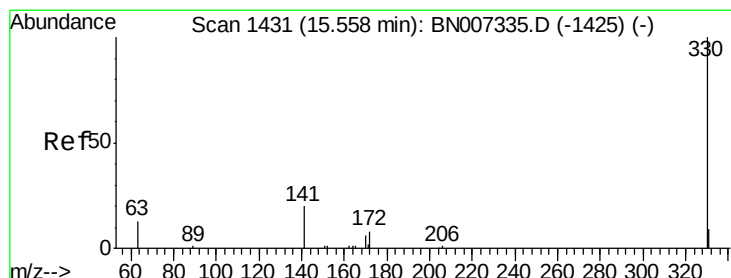
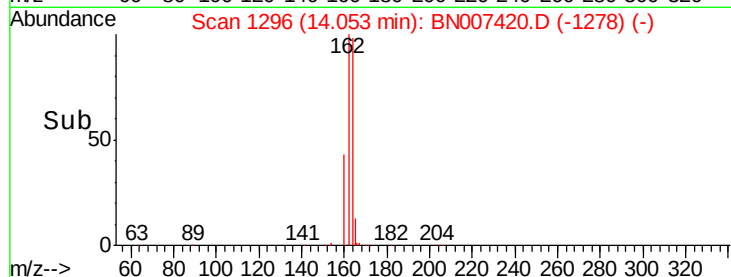
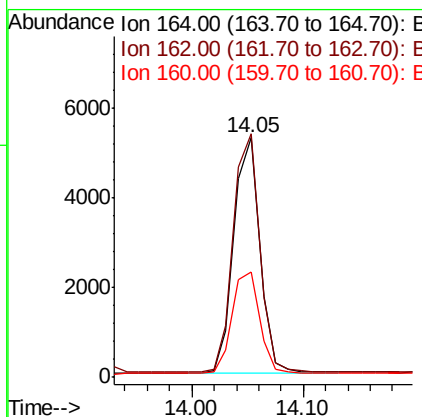
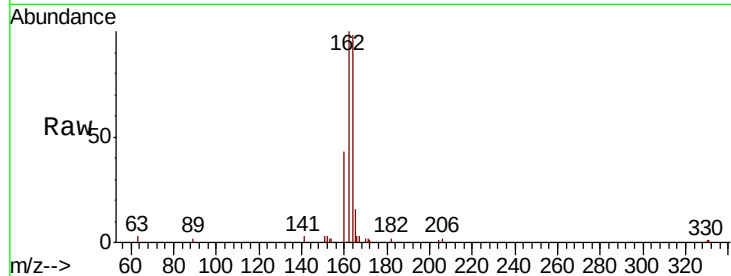
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BN007420.D
Acq: 26 Aug 2019 21:24

Instrument :
BNA_N
ClientSampleId :
S302A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	83.5	125.3
160	44.1	38.2	57.4

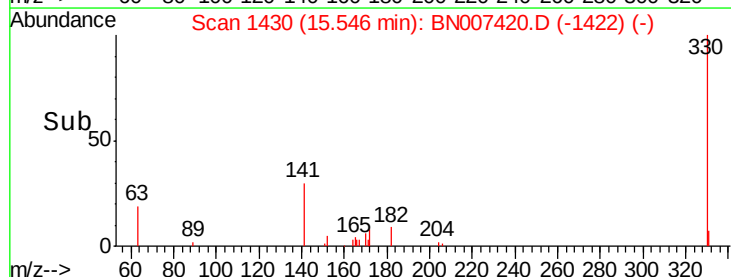
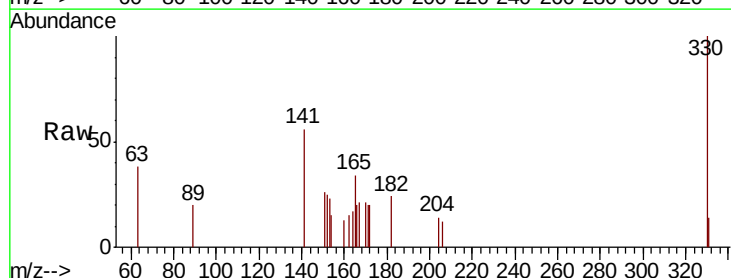
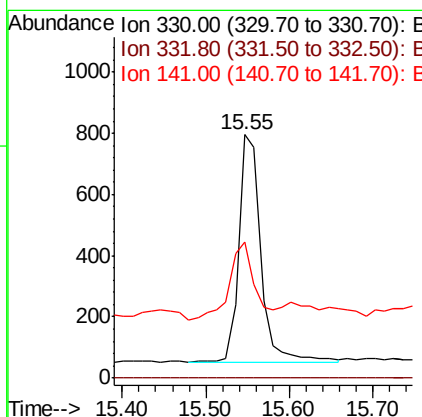
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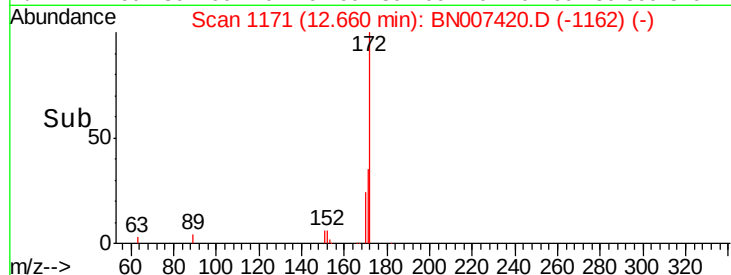
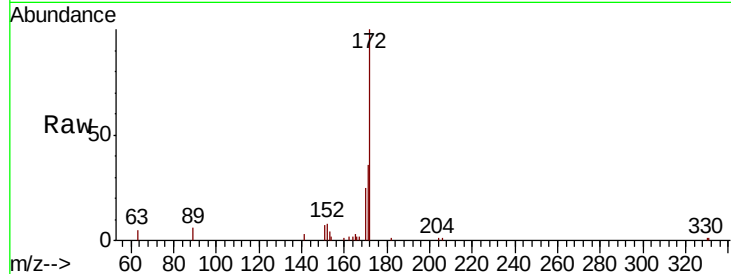
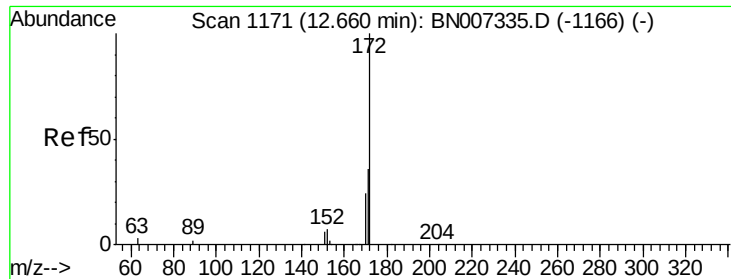
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#14
2,4,6-Tribromophenol
Concen: 0.309 ng
RT: 15.55 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BN007420.D
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.9	26.9	40.3





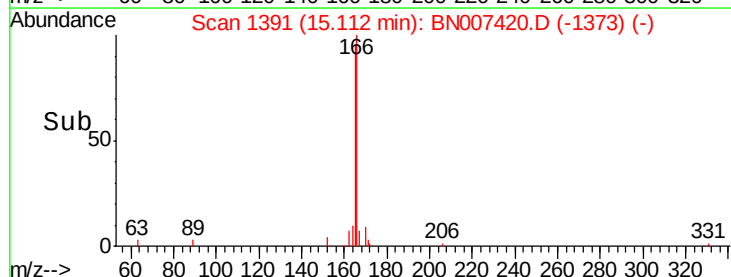
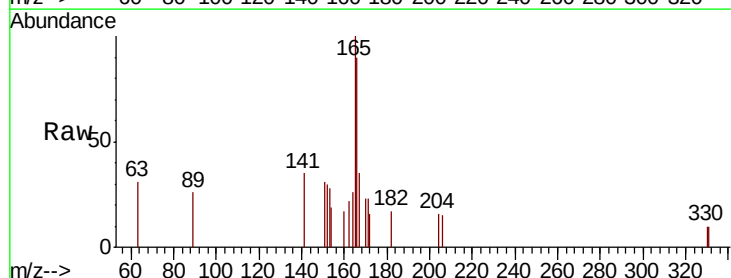
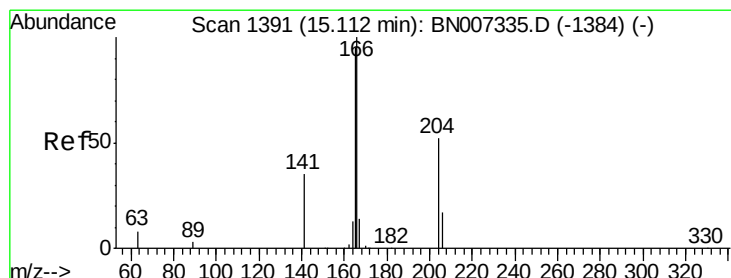
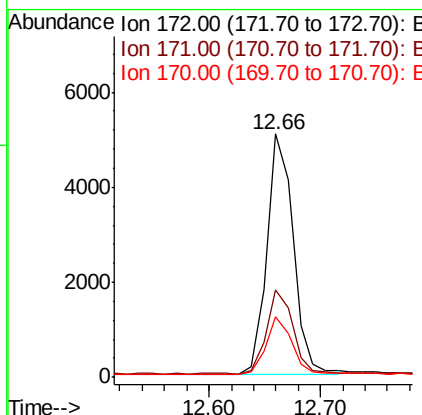
#15
2-Fluorobiphenyl
Concen: 0.245 ng
RT: 12.66 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BN007420.D
Acq: 26 Aug 2019 21:24

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.3	45.5
170	25.0	20.7	31.1

Instrument :
BNA_N
ClientSampleId :
S302A-J-1.5-2.0-082319

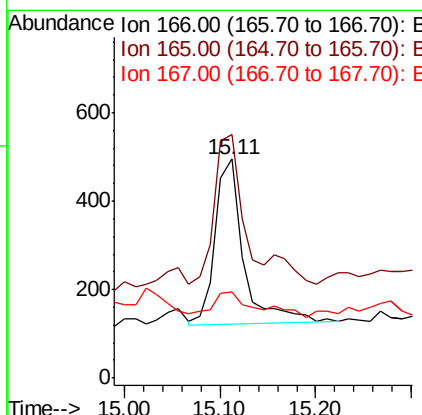
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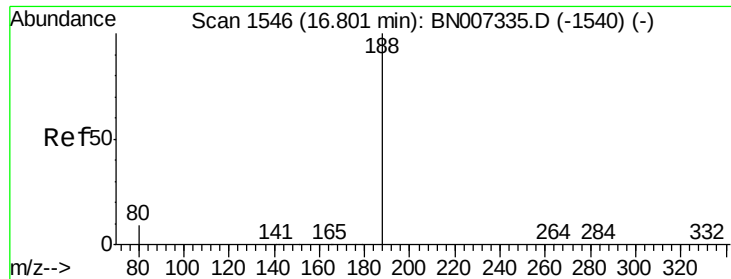
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#18
Fluorene
Concen: 0.021 ng
RT: 15.11 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BN007420.D
Acq: 26 Aug 2019 21:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.2	79.0	118.4
167	13.8	10.6	15.8





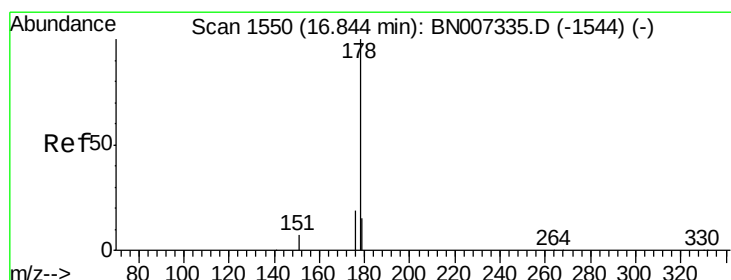
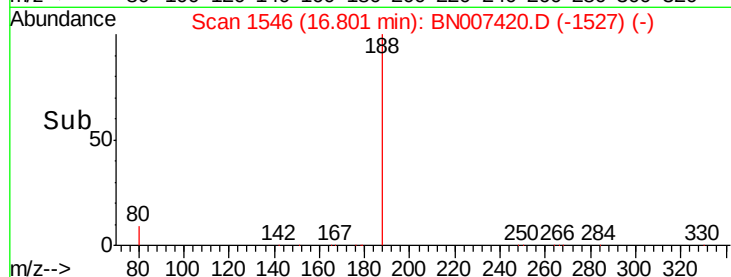
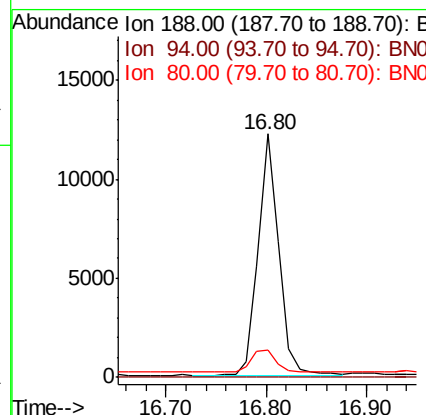
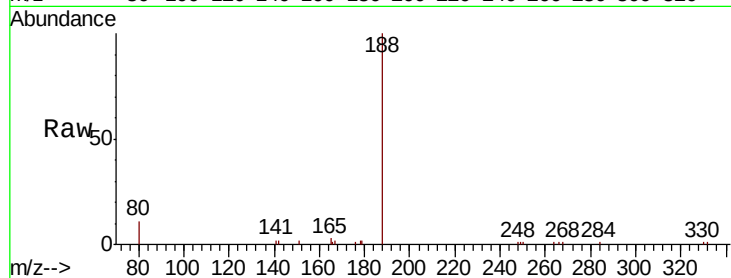
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1546
Delta R.T. 0.00 min
Lab File: BN007420.D
Acq: 26 Aug 2019 21:24

Instrument :
BNA_N
ClientSampleId :
S302A-J-1.5-2.0-082319

Tot Ion	Ratio	Resp	Lower	Upper
188	100	17322		
94	0.0	0.0	0.0	0.0
80	11.3	11.8	17.8	

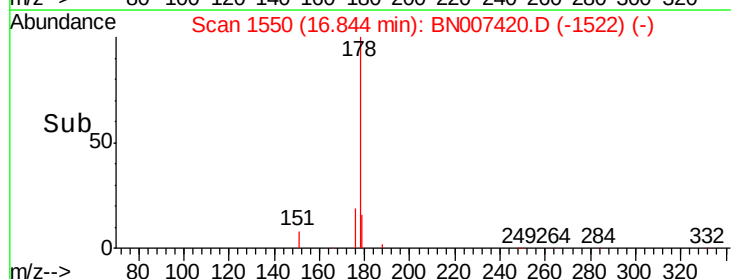
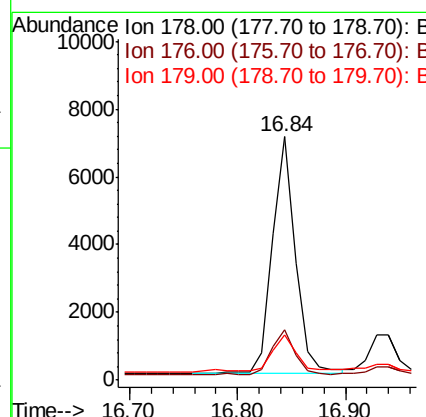
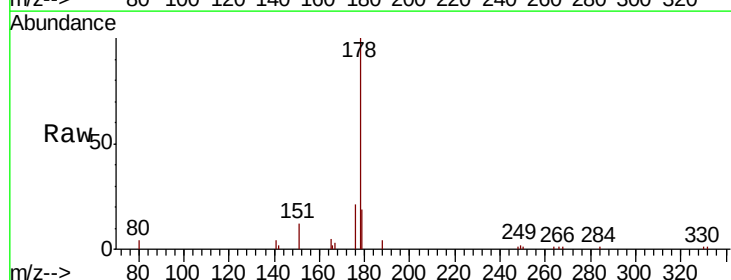
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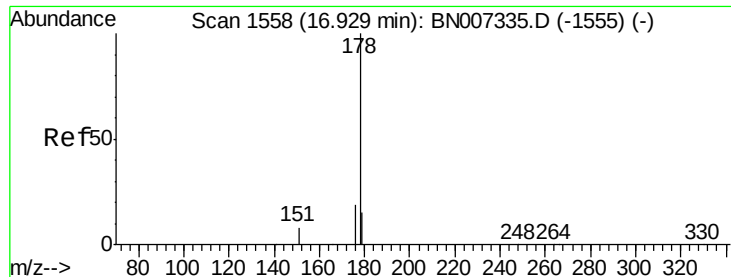
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#23
Phenanthrene
Concen: 0.199 ng
RT: 16.84 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BN007420.D
Acq: 26 Aug 2019 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	10371		
176	19.3	15.3	22.9	
179	14.7	12.6	19.0	





#24

Anthracene

Concen: 0.035 ng

RT: 16.93 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BN007420.D

Acq: 26 Aug 2019 21:24

Instrument :

BNA_N

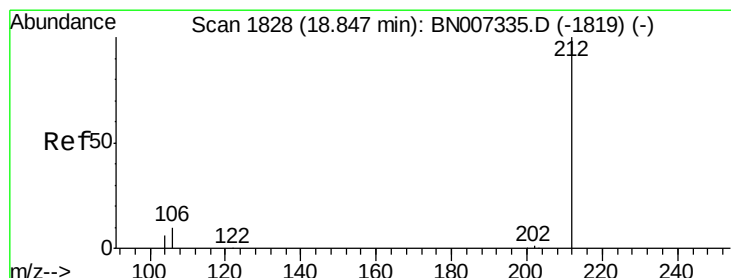
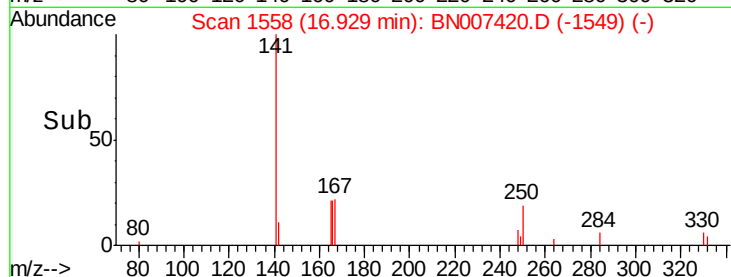
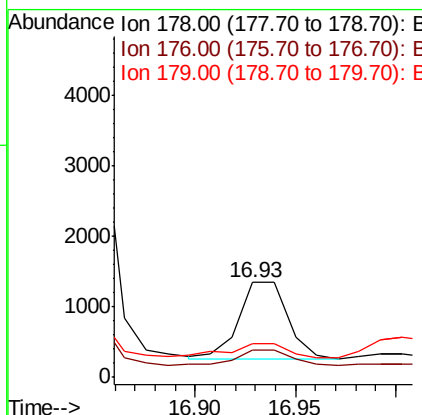
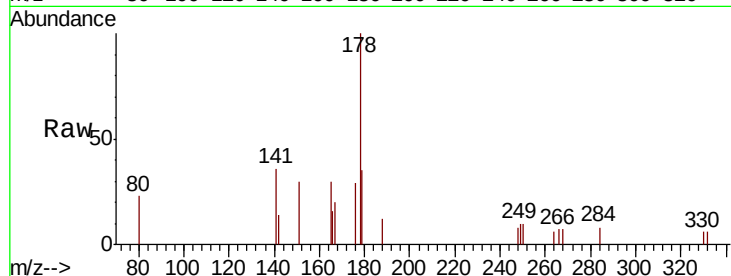
ClientSampleId :

S302A-J-1.5-2.0-082319

Tot Ion:178	Resp:	1831
Ion Ratio	Lower	Upper
178	100	
176	21.3	14.9 22.3
179	22.9	12.4 18.6

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.245 ng

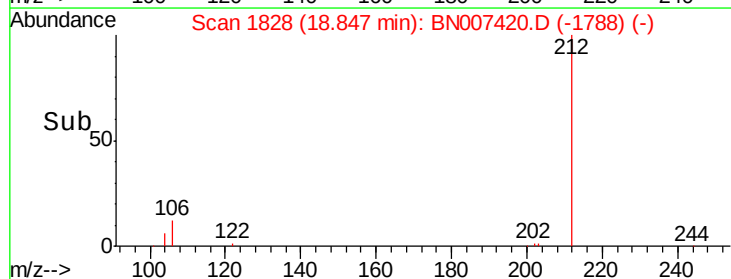
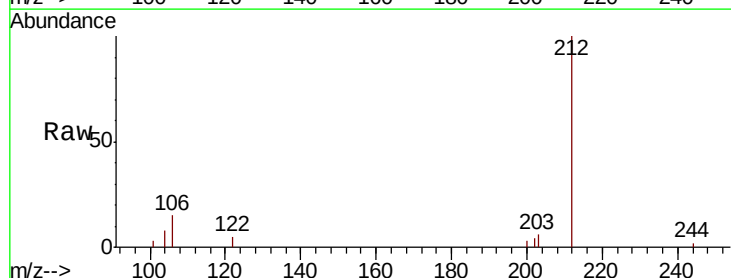
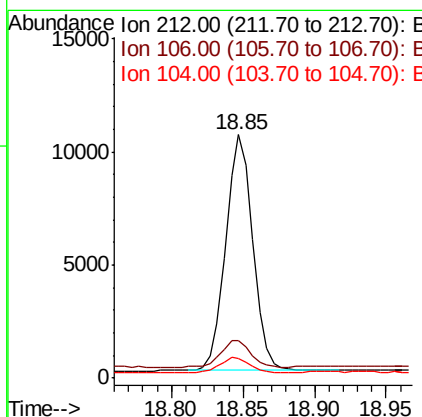
RT: 18.85 min Scan# 1828

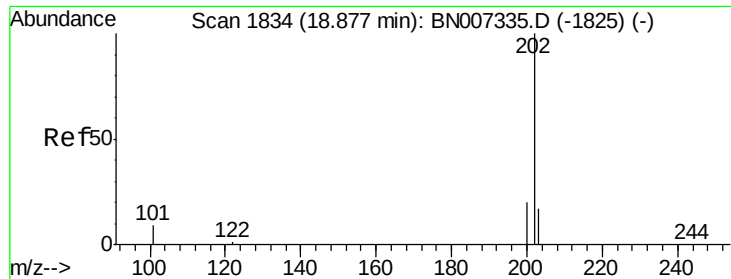
Delta R.T. 0.00 min

Lab File: BN007420.D

Acq: 26 Aug 2019 21:24

Tgt Ion:212	Resp:	13673
Ion Ratio	Lower	Upper
212	100	
106	12.6	9.0 13.4
104	6.8	5.4 8.2





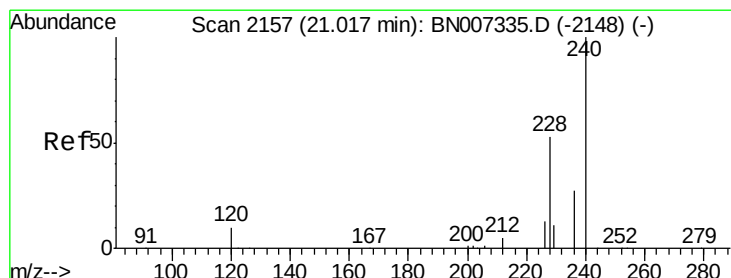
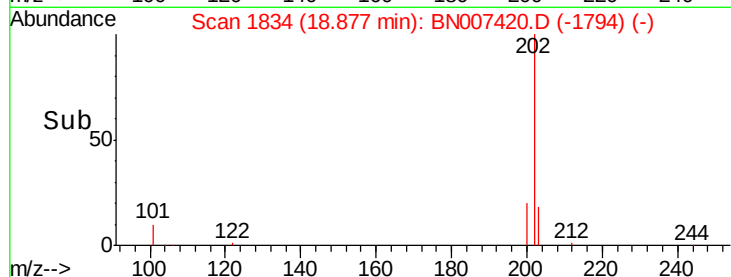
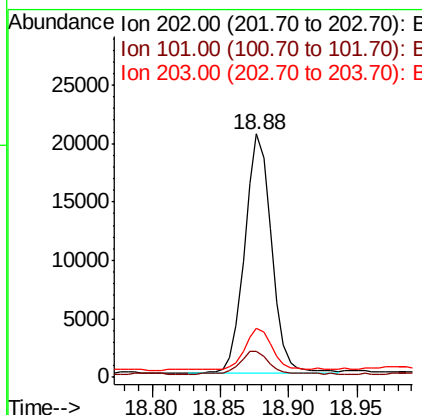
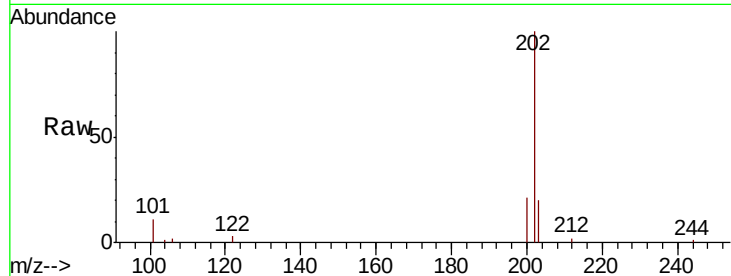
#26
Fluoranthene
 Concen: 0.414 ng
 RT: 18.88 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: BN007420.D
 Acq: 26 Aug 2019 21:24

Instrument :
 BNA_N
 ClientSampleId :
 S302A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.7	11.5
203	17.6	13.7	20.5

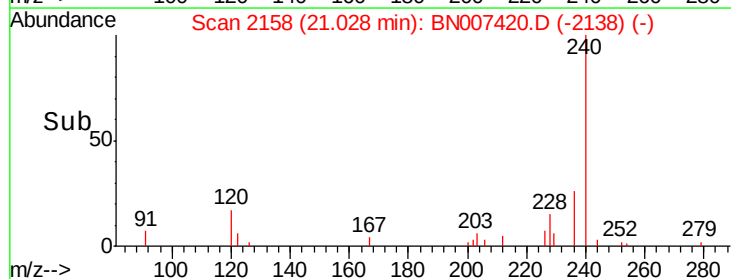
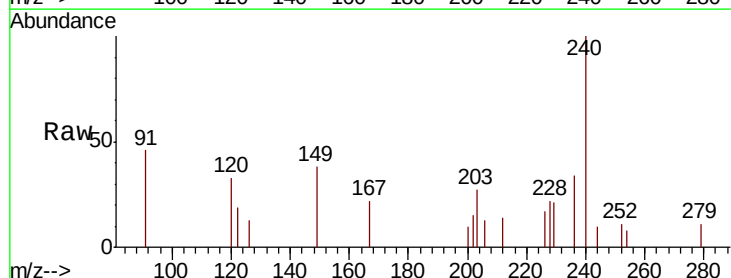
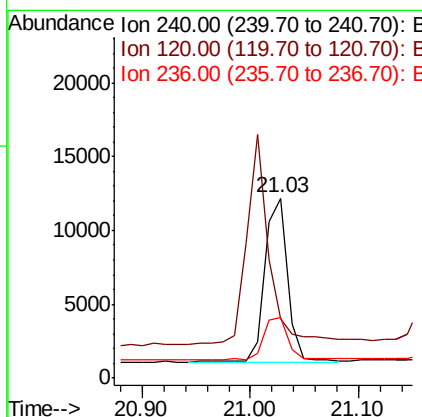
Manual Integrations
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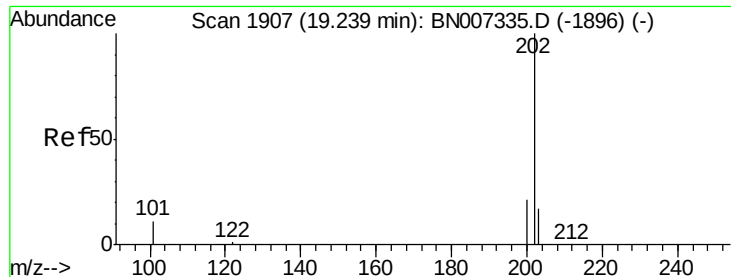
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 8/30/2019 8:57:21 AM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.03 min Scan# 2158
 Delta R.T. 0.01 min
 Lab File: BN007420.D
 Acq: 26 Aug 2019 21:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	32.9	9.6	14.4#
236	33.7	22.2	33.2#





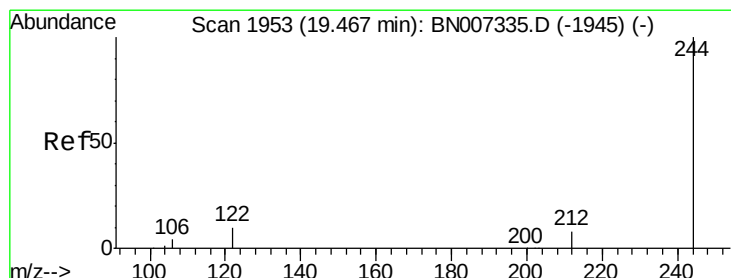
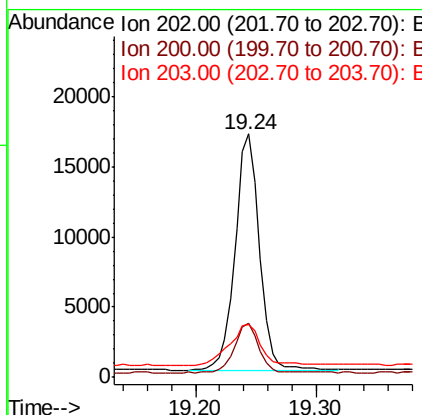
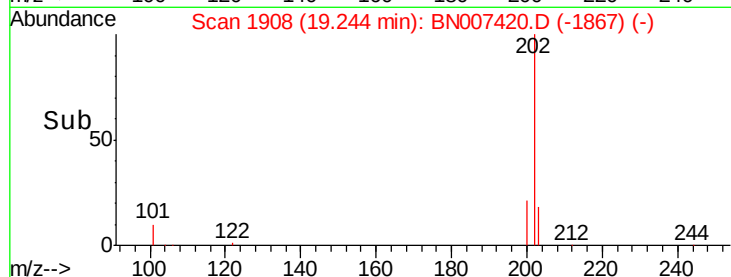
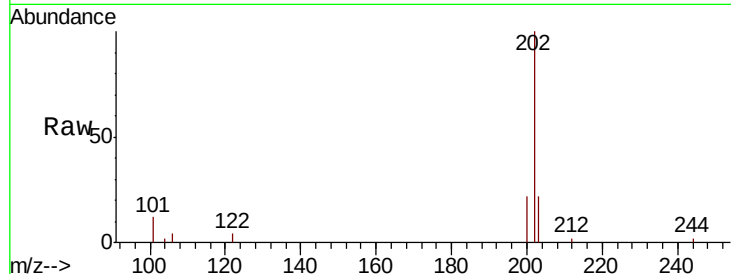
#28
Pvrene
Concen: 0.366 ng
RT: 19.24 min Scan# 1908
Delta R.T. 0.00 min
Lab File: BN007420.D
Acq: 26 Aug 2019 21:24

Instrument :
BNA_N
ClientSampleId :
S302A-J-1.5-2.0-082319

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3	16.6	25.0	
203	22.7	14.2	21.4	

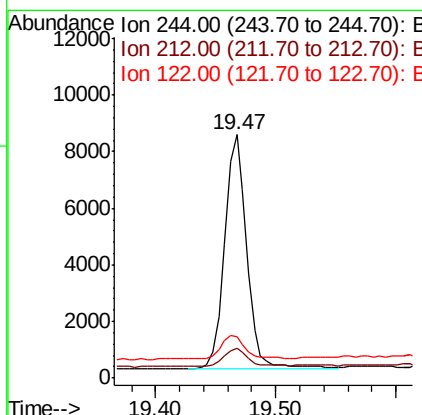
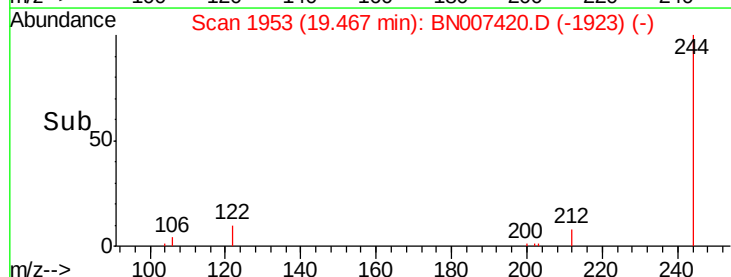
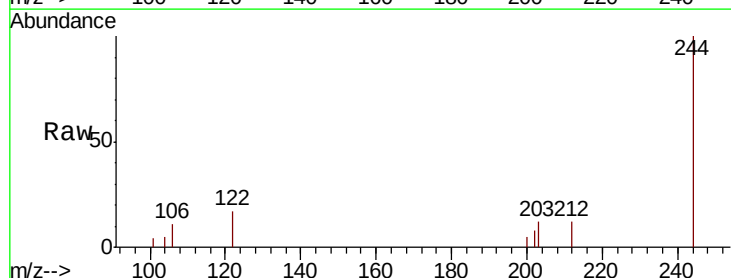
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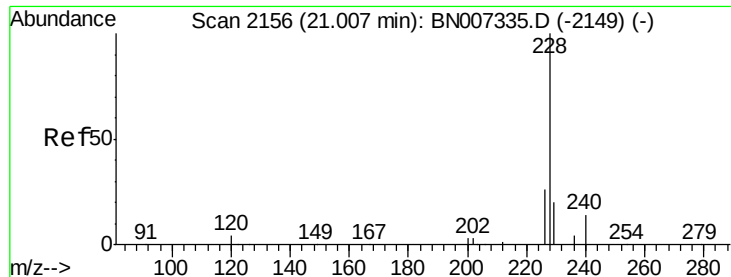
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#29
Terphenyl-d14
Concen: 0.251 ng
RT: 19.47 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BN007420.D
Acq: 26 Aug 2019 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	12.4	7.0	10.6	
122	17.0	9.6	14.4	





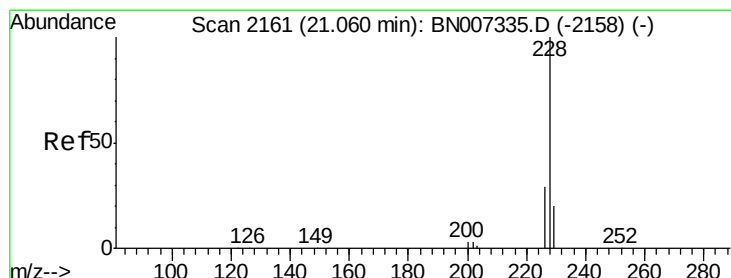
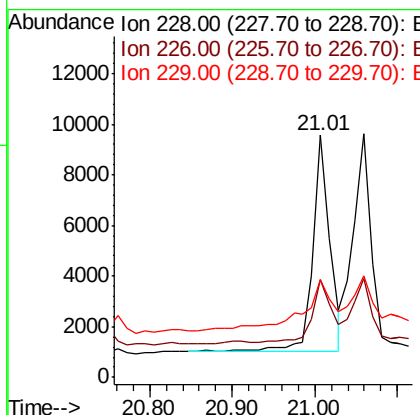
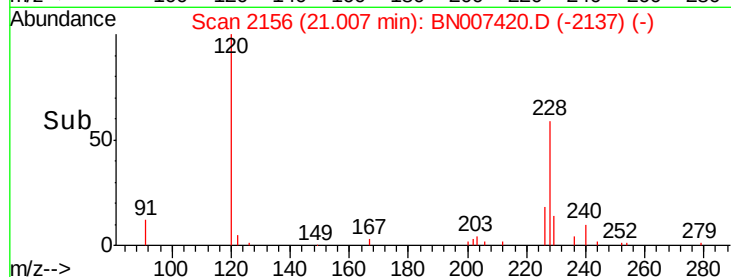
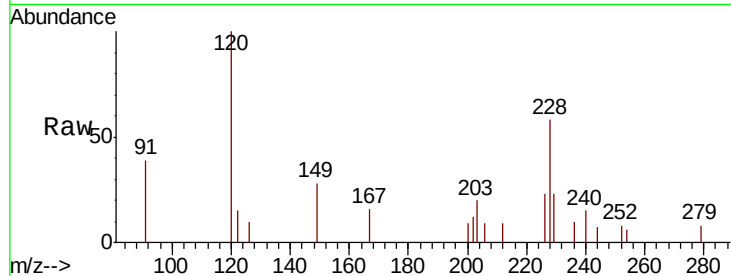
#30
Benzo(a)anthracene
Concen: 0.192 ng
RT: 21.01 min Scan# 2156
Delta R.T. 0.00 min
Lab File: BN007420.D
Acq: 26 Aug 2019 21:24

Instrument :
BNA_N
ClientSampleId :
S302A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
228	100		
226	40.4	21.3	31.9#
229	40.5	16.1	24.1#

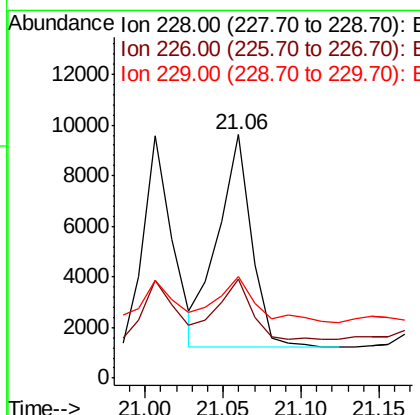
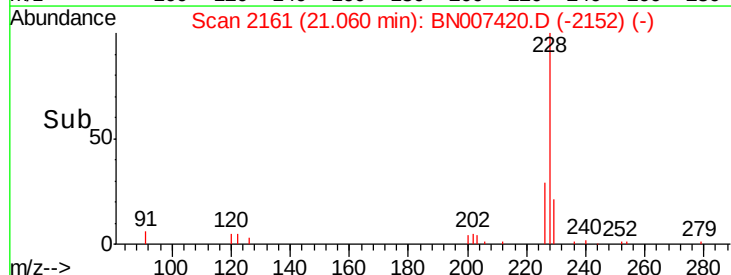
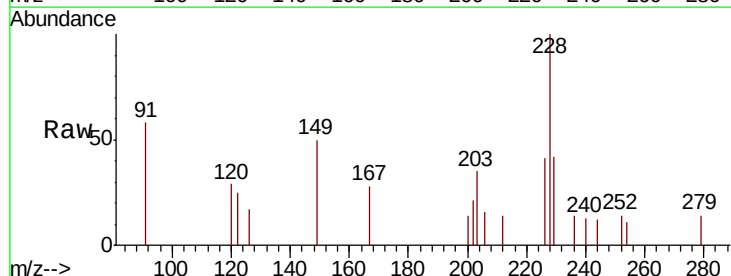
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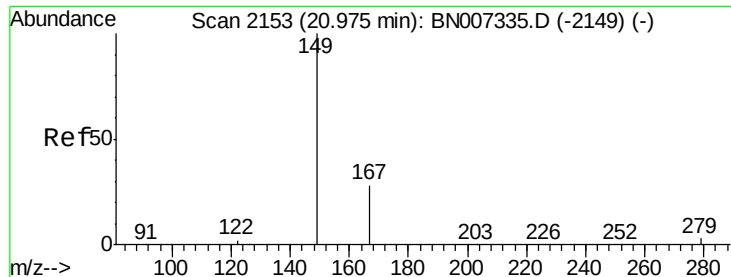
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#31
Chrysene
Concen: 0.205 ng
RT: 21.06 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BN007420.D
Acq: 26 Aug 2019 21:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.8	23.5	35.3#
229	41.7	16.6	24.8#





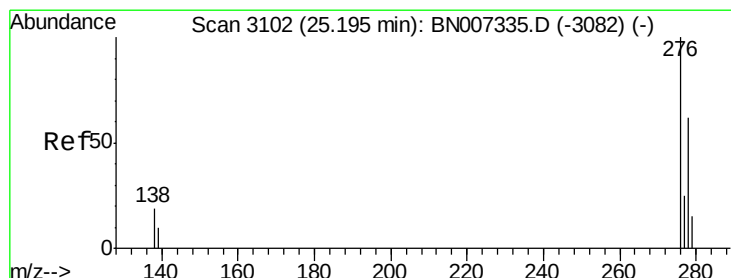
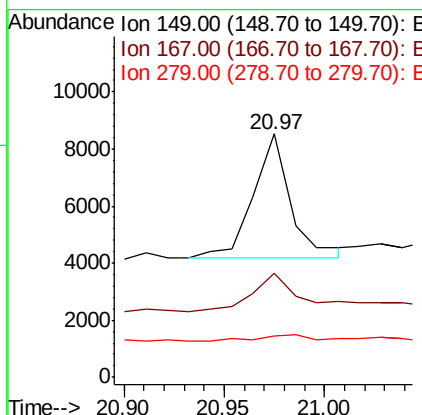
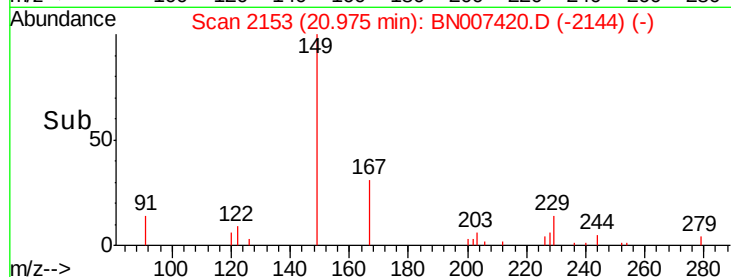
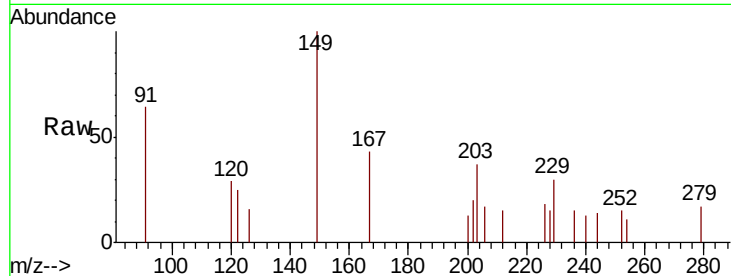
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.121 ng
 RT: 20.97 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: BN007420.D
 Acq: 26 Aug 2019 21:24

Instrument :
 BNA_N
 ClientSampleId :
 S302A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
149	100		
167	50.8	22.8	34.2#
279	8.2	3.5	5.3#

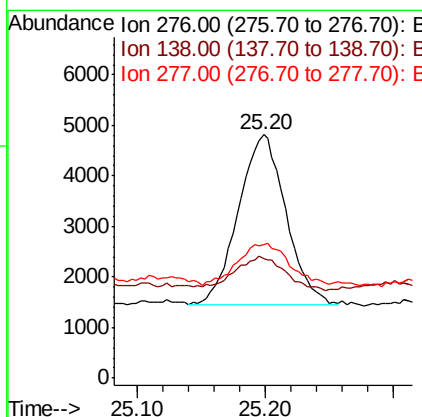
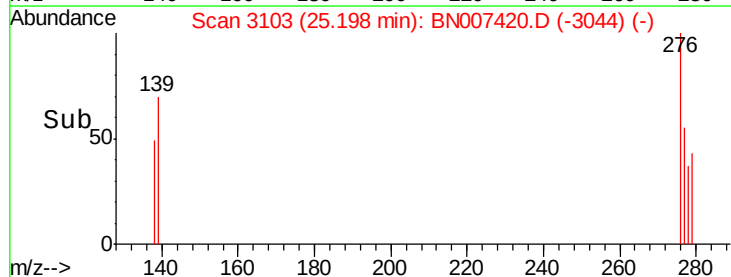
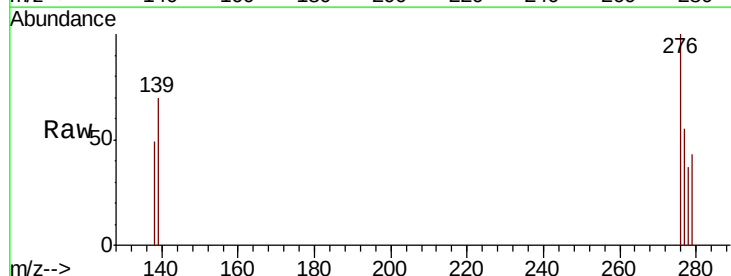
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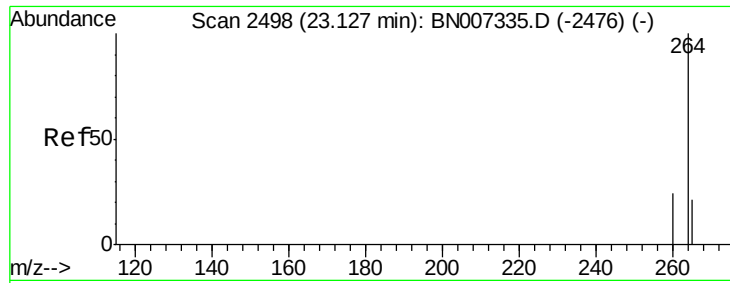
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.118 ng
 RT: 25.20 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: BN007420.D
 Acq: 26 Aug 2019 21:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.0	15.1	22.7
277	26.4	19.7	29.5





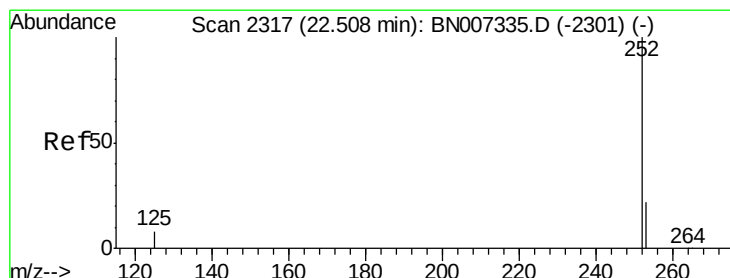
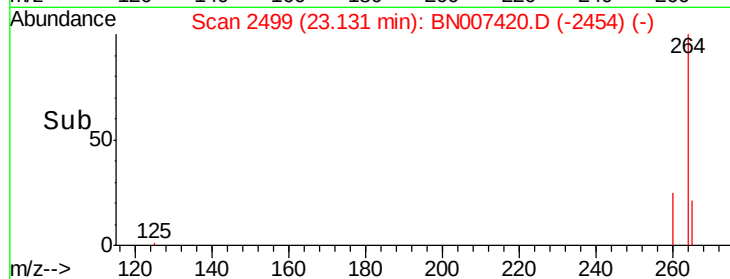
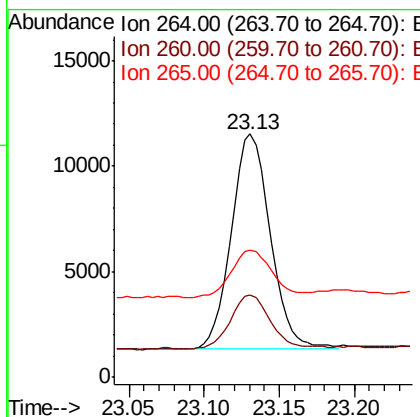
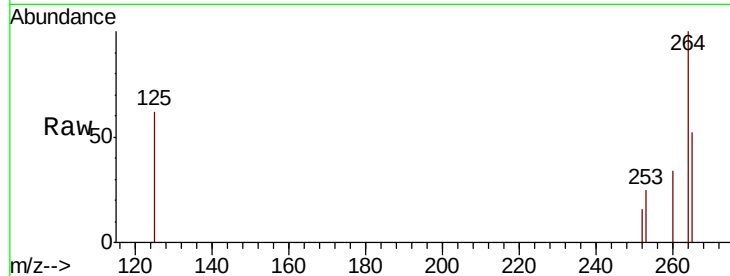
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.13 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: BN007420.D
 Acq: 26 Aug 2019 21:24

Instrument :
 BNA_N
 ClientSampleId :
 S302A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
264	100		
260	33.8	19.7	29.5#
265	52.0	29.9	44.9#

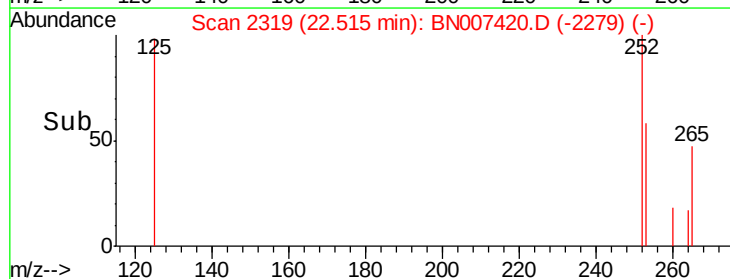
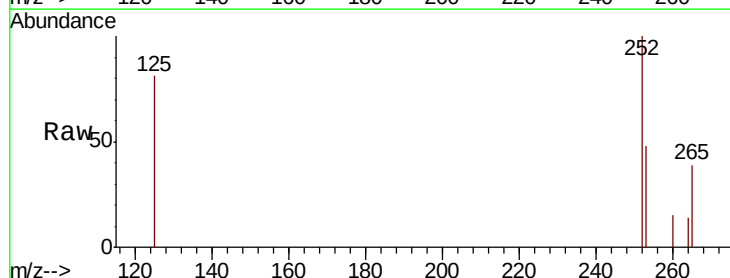
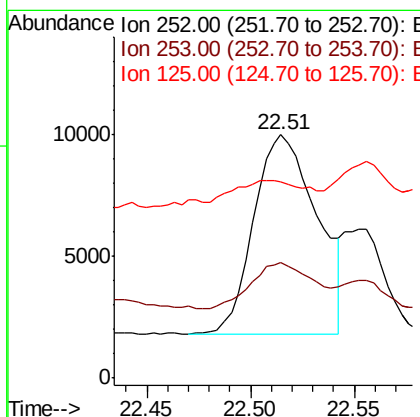
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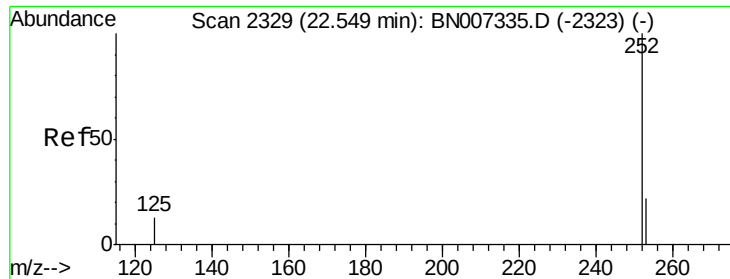
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#35
 Benzo(b)fluoranthene
 Concen: 0.266 ng
 RT: 22.51 min Scan# 2319
 Delta R.T. 0.01 min
 Lab File: BN007420.D
 Acq: 26 Aug 2019 21:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	47.5	19.2	28.8#
125	80.6	10.6	16.0#





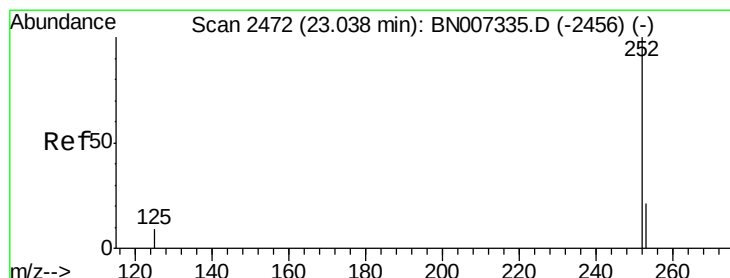
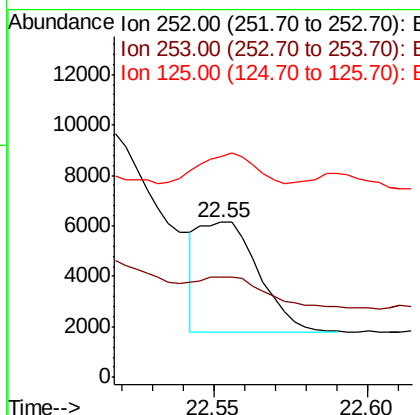
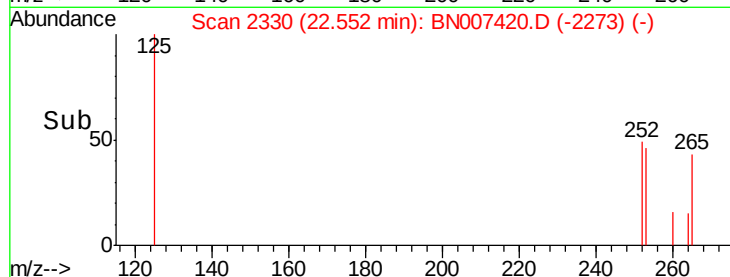
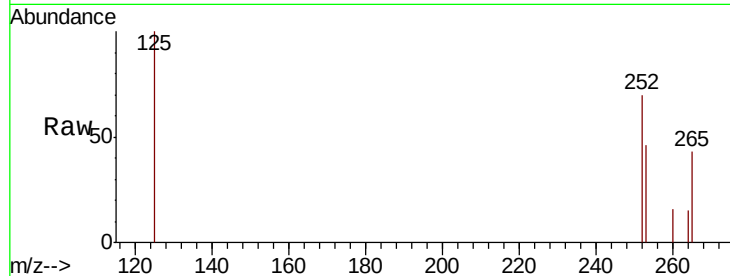
#36
Benzo(k)fluoranthene
Concen: 0.092 ng/mL
RT: 22.55 min Scan# 2330
Delta R.T. 0.00 min
Lab File: BN007420.D
Acq: 26 Aug 2019 21:24

Instrument :
BNA_N
ClientSampleId :
S302A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
252	100		
253	65.0	19.4	29.2#
125	142.5	13.1	19.7#

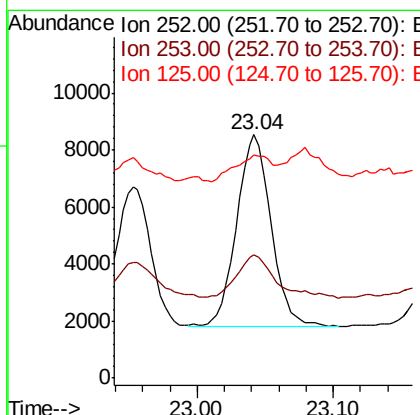
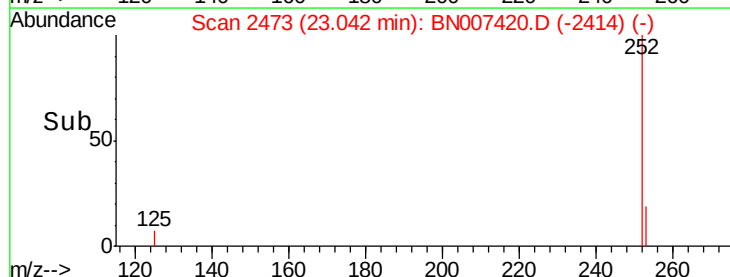
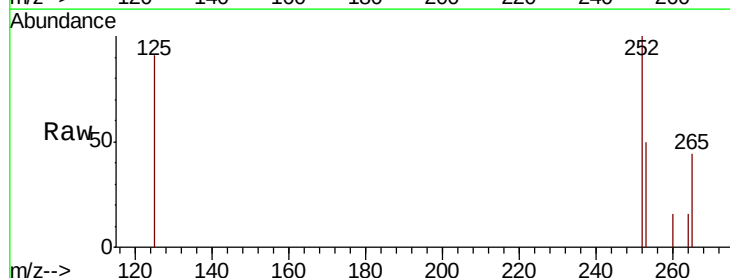
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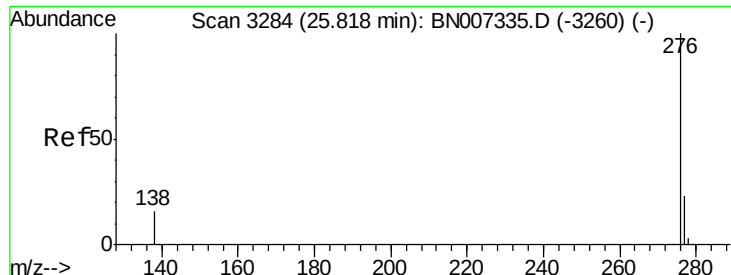
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#37
Benzo(a)pyrene
Concen: 0.189 ng/mL
RT: 23.04 min Scan# 2473
Delta R.T. 0.00 min
Lab File: BN007420.D
Acq: 26 Aug 2019 21:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	50.4	19.5	29.3#
125	91.4	12.1	18.1#





#39

Benzo(a,h,i)perylene

Concen: 0.140 ng

RT: 25.83 min Scan# 3287

Delta R.T. 0.01 min

Lab File: BN007420.D

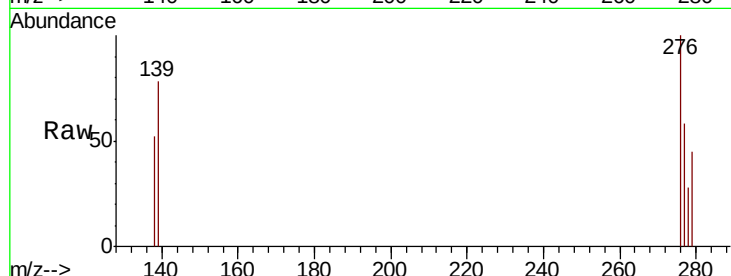
Acq: 26 Aug 2019 21:24

Instrument :

BNA_N

ClientSampleId :

S302A-J-1.5-2.0-082319



Tot Ion: 276 Resp: 8678

Ion Ratio Lower Upper

276 100

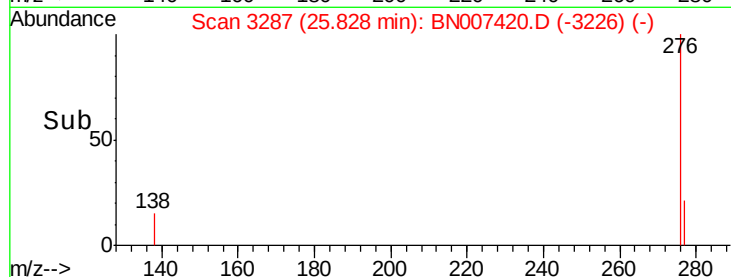
277 58.0 19.6 29.4#

138 52.1 16.3 24.5#

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

