

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082619\
 Data File : BN007418.D
 Acq On : 26 Aug 2019 20:13
 Operator : HP/JU
 Sample : K4514-13 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S301A-J-1.5-2.0-082319

Manual Integrations
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 8/30/2019 8:57:17 AM

Quant Time: Aug 27 11:13:22 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	4709	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	19189	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	11269	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	21426	0.40	ng	0.00
27) Chrysene-d12	21.03	240	20222	0.40	ng	0.00
34) Perylene-d12	23.13	264	23399	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	1151	0.05	ng	0.00
5) Phenol-d6	6.60	99	1369	0.04	ng	0.00
8) Nitrobenzene-d5	8.54	82	987	0.06	ng	0.01
11) 2-Methylnaphthalene-d10	11.76	152	1996	0.06	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	457	0.08	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	2502	0.06	ng	0.00
25) Fluoranthene-d10	18.85	212	4248	0.06	ng	0.00
29) Terphenyl-d14	19.47	244	3695	0.07	ng	0.00

Target Compounds						Qvalue
16) Acenaphthylene	13.77	152	1860	0.028	ng	# 90
18) Fluorene	15.10	166	1064	0.022	ng	# 99
23) Phenanthrene	16.85	178	8153	0.127	ng	# 98
24) Anthracene	16.93	178	2241	0.035	ng	# 95
26) Fluoranthene	18.88	202	33431	0.404	ng	# 98
28) Pyrene	19.24	202	31668	0.389	ng	# 96
30) Benzo(a)anthracene	21.00	228	19022	0.240	ng	# 66
31) Chrysene	21.06	228	15874	0.207	ng	# 59
32) Bis(2-ethylhexyl)phthalate	20.97	149	14417	0.262	ng	# 86
33) Indeno(1,2,3-cd)pyrene	25.20	276	10964	0.119	ng	# 96
35) Benzo(b)fluoranthene	22.51	252	23644	0.279	ng	# 3
36) Benzo(k)fluoranthene	22.55	252	7042m	0.084	ng	#
37) Benzo(a)pyrene	23.04	252	16472	0.204	ng	# 1
39) Benzo(g,h,i)perylene	25.83	276	12116	0.151	ng	# 26

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

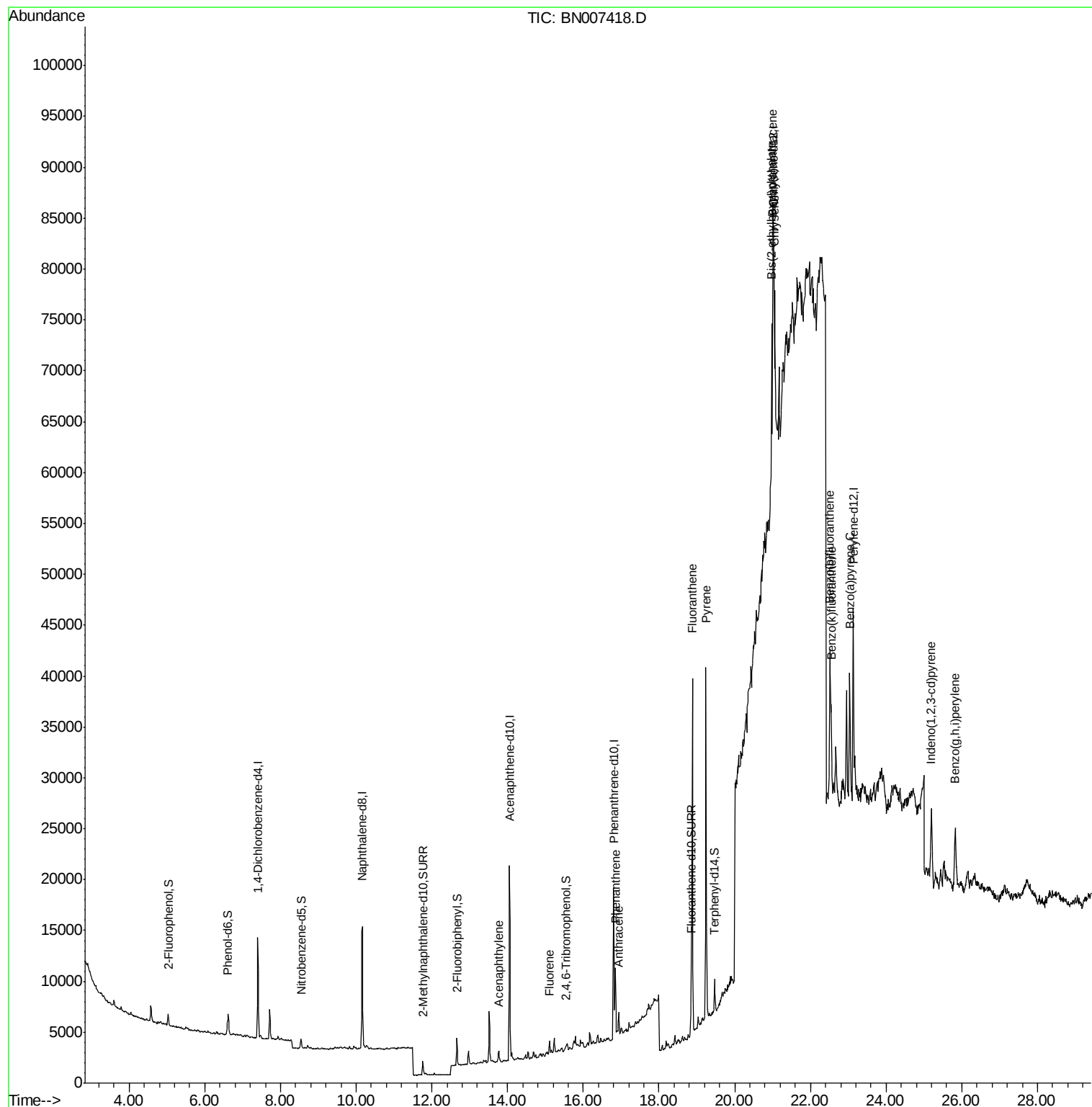
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082619\
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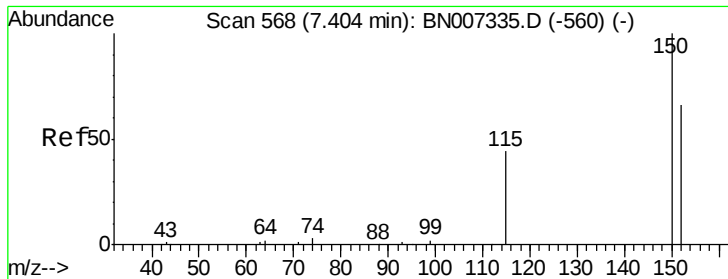
Instrument :
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S301A-J-1.5-2.0-082319

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

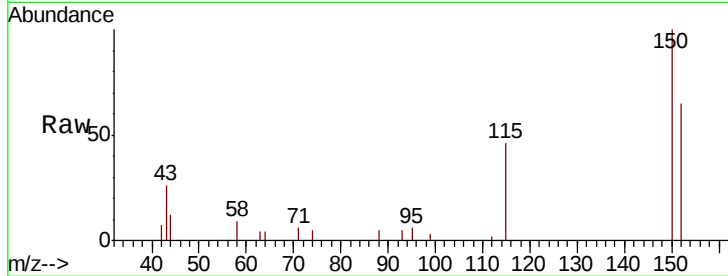
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007418.D
Acq: 26 Aug 2019 20:13

Instrument :
BNA_N
ClientSampleId :
S301A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	109.1	163.7
115	70.6	59.6	89.4

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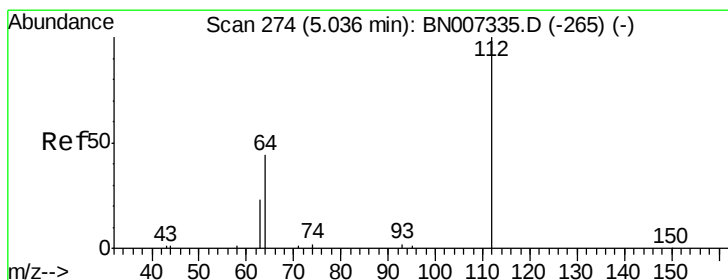
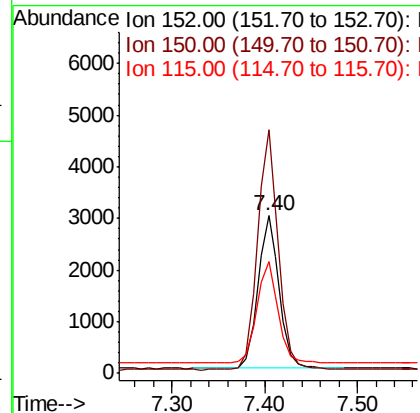
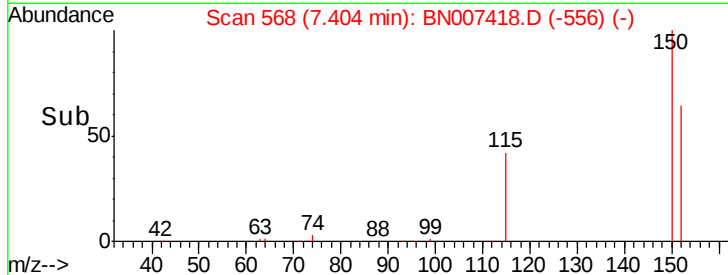


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

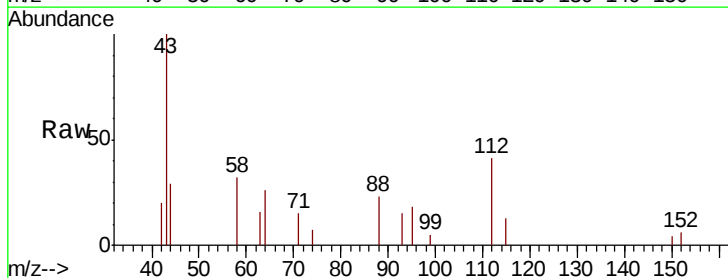
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.046 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007418.D
Acq: 26 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	42.3	63.5
63	30.3	23.6	35.4

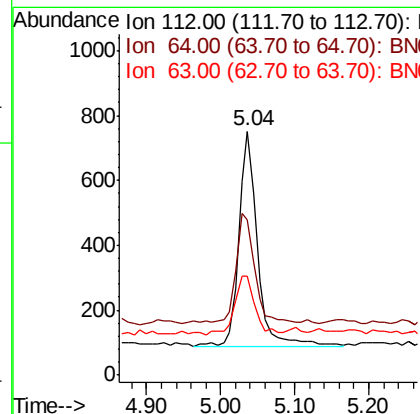
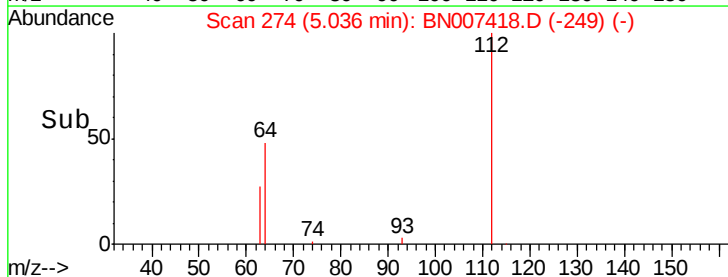


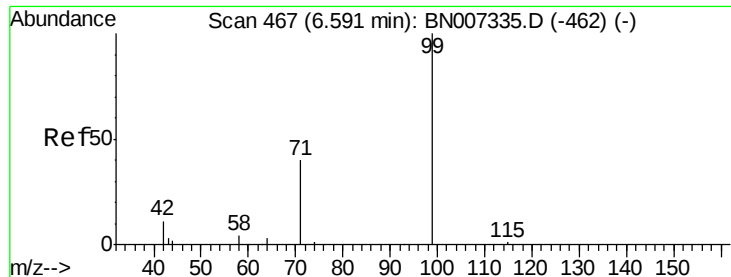
Abundance

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: 0.039 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.01 min

Lab File: BN007418.D

Acq: 26 Aug 2019 20:13

Instrument :

BNA_N

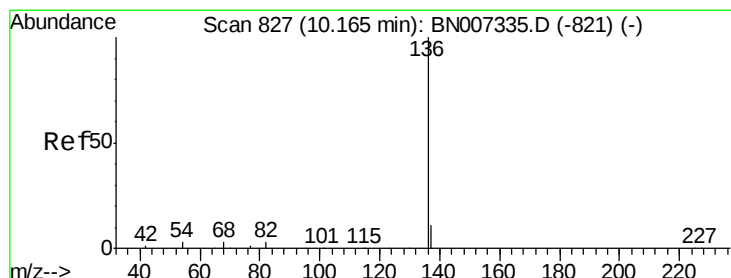
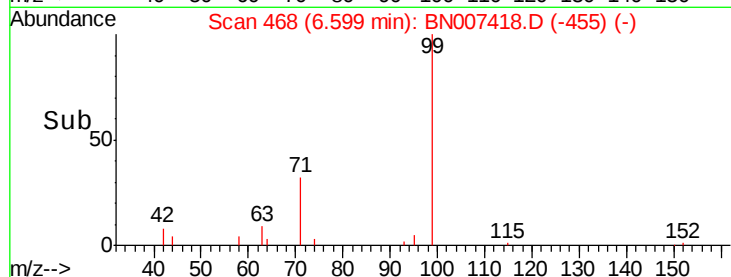
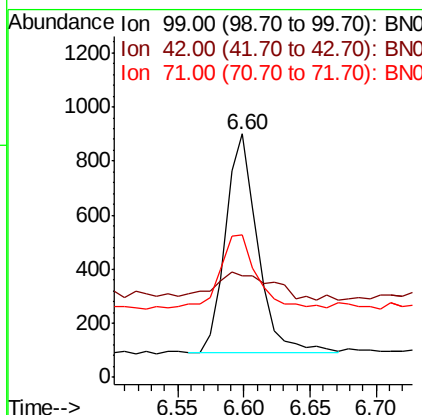
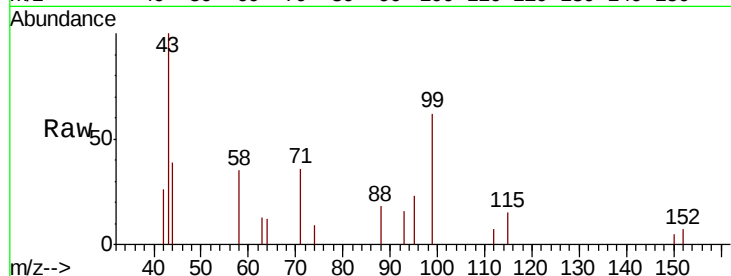
ClientSampleId :

S301A-J-1.5-2.0-082319

Tot Ion:	99	Resp:	1369
Ion	Ratio	Lower	Upper
99	100		
42	22.0	11.2	16.8#
71	41.0	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

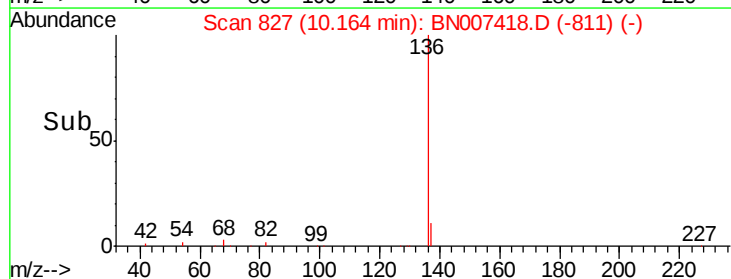
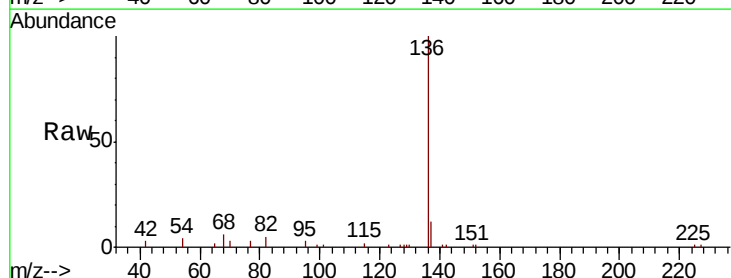
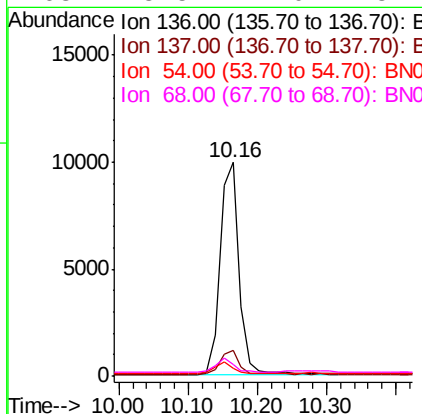
RT: 10.16 min Scan# 827

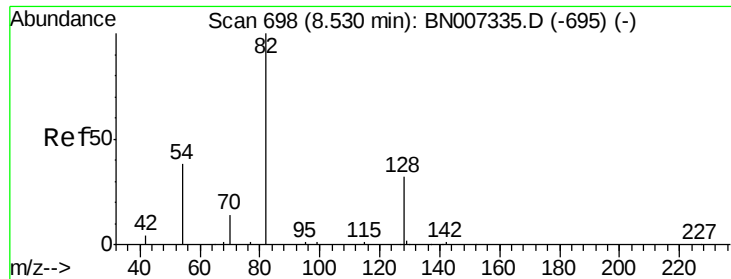
Delta R.T. -0.00 min

Lab File: BN007418.D

Acq: 26 Aug 2019 20:13

Tgt Ion:	136	Resp:	19189
Ion	Ratio	Lower	Upper
136	100		
137	11.9	12.9	19.3#
54	3.9	8.6	12.8#
68	5.5	17.0	25.4#





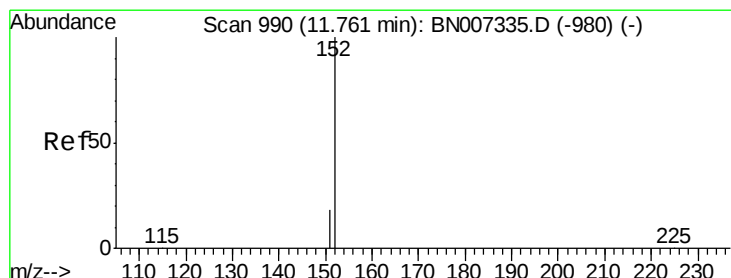
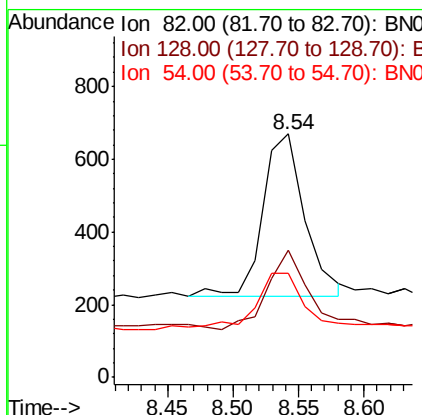
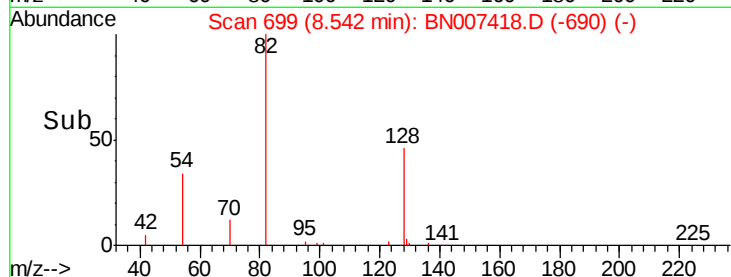
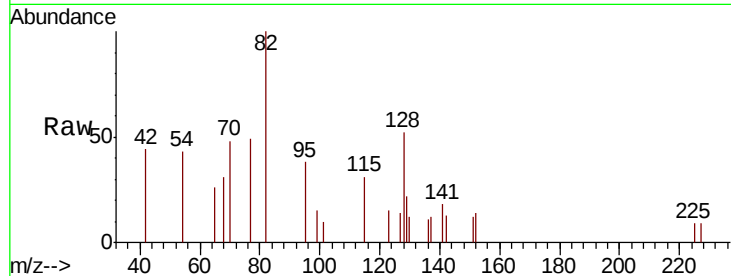
#8
Nitrobenzene-d5
Concen: 0.059 ng
RT: 8.54 min Scan# 699
Delta R.T. 0.01 min
Lab File: BN007418.D
Acq: 26 Aug 2019 20:13

Instrument :
BNA_N
ClientSampleId :
S301A-J-1.5-2.0-082319

Tot Ion	82	128	54
Ratio	100	52.2	42.5
Lower		19.7	25.8
Upper		29.5#	38.6#

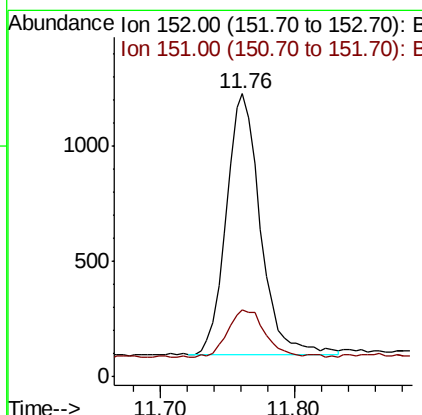
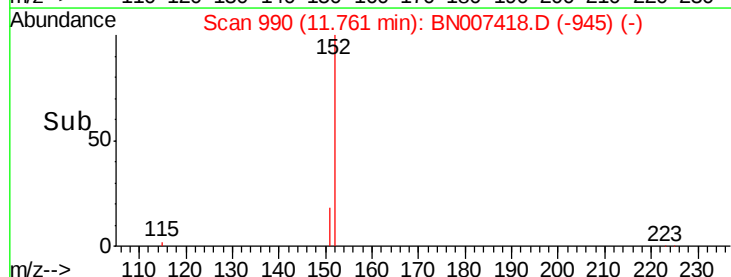
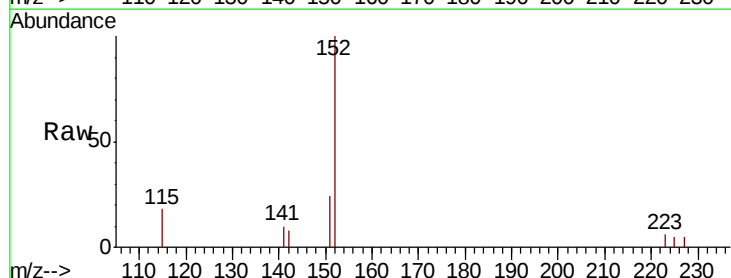
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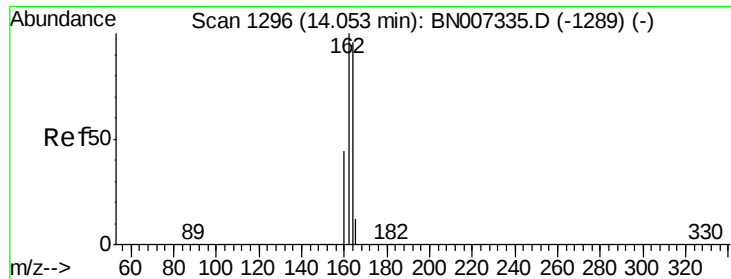
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#11
2-Methylnaphthalene-d10
Concen: 0.063 ng
RT: 11.76 min Scan# 990
Delta R.T. -0.00 min
Lab File: BN007418.D
Acq: 26 Aug 2019 20:13

Tgt Ion	152	151
Ratio	100	20.4
Lower		16.2
Upper		24.2





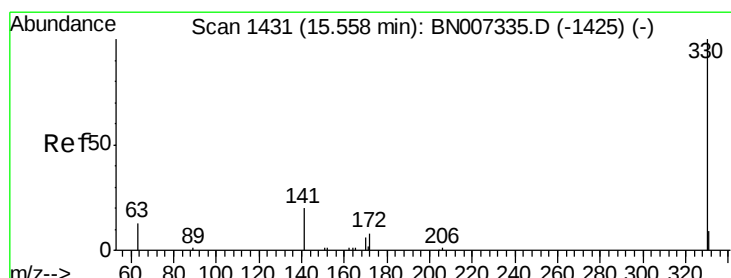
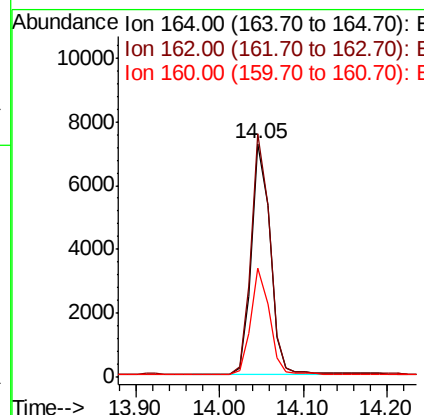
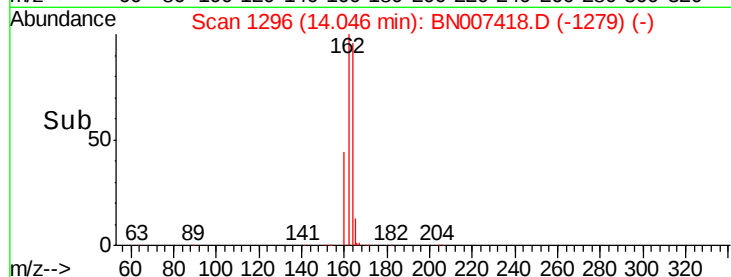
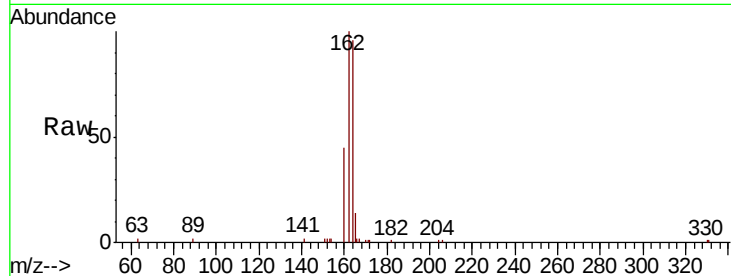
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007418.D
Acq: 26 Aug 2019 20:13

Instrument :
BNA_N
ClientSampleId :
S301A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.1	83.5	125.3
160	46.9	38.2	57.4

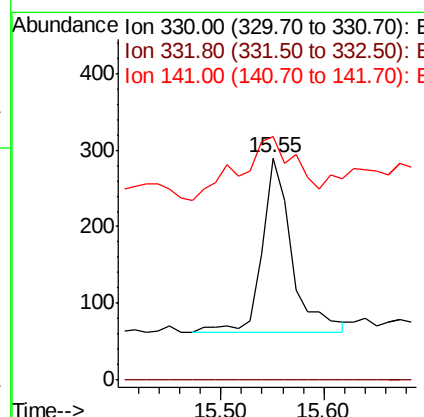
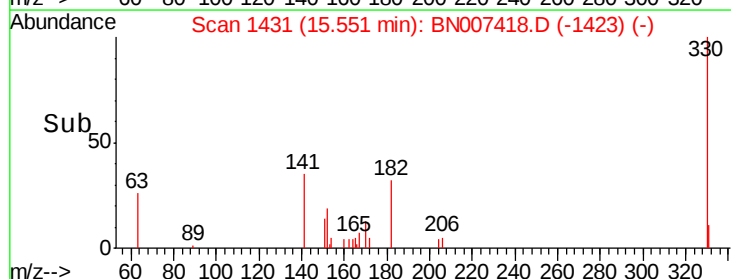
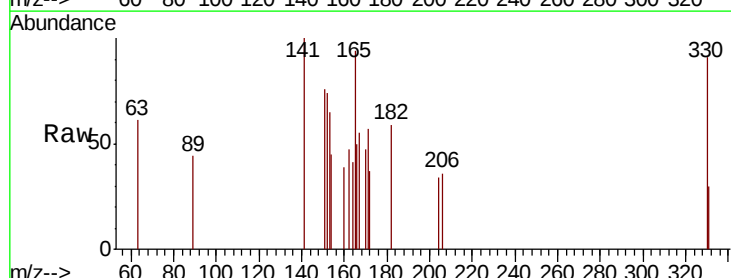
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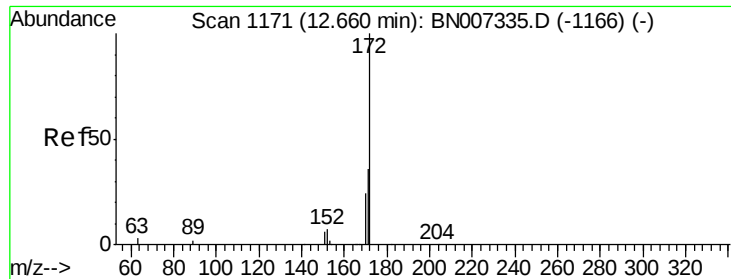
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#14
2,4,6-Tribromophenol
Concen: 0.078 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007418.D
Acq: 26 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	69.4	26.9	40.3





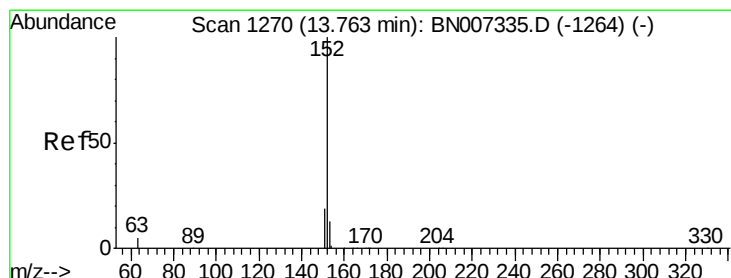
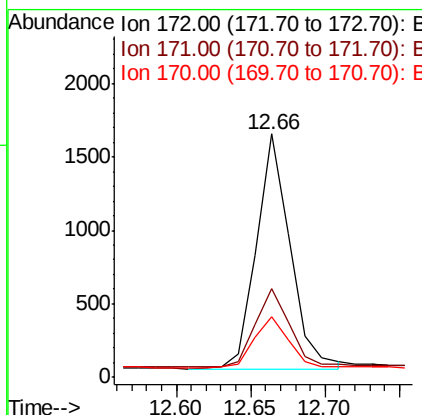
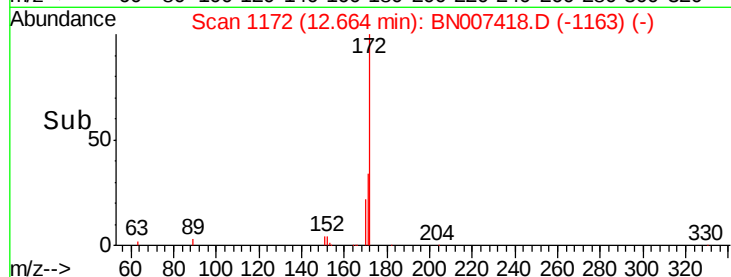
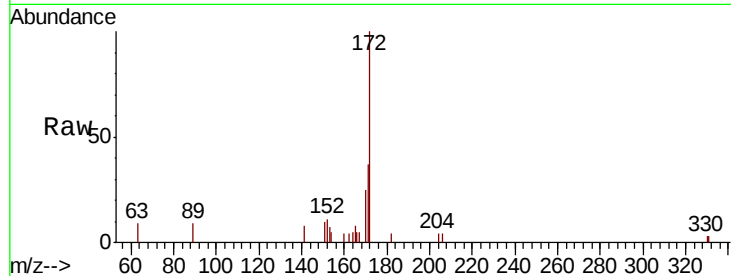
#15
2-Fluorobiphenyl
Concen: 0.055 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007418.D
Acq: 26 Aug 2019 20:13

Instrument :
BNA_N
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Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.3	45.5
170	25.0	20.7	31.1

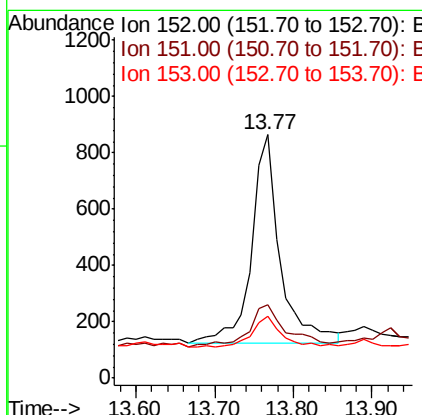
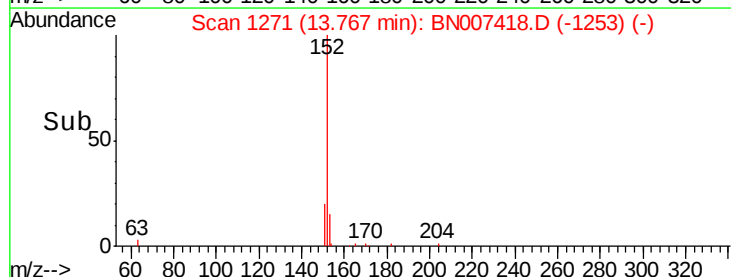
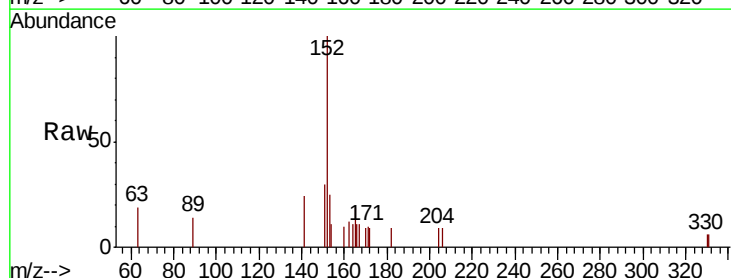
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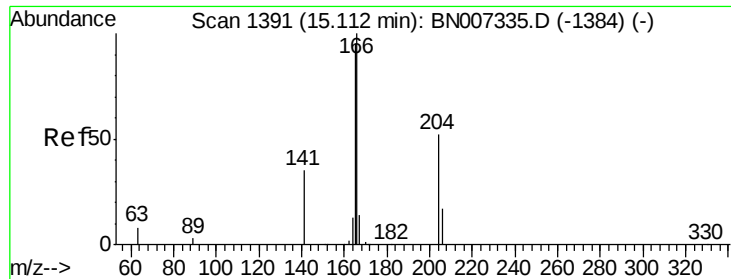
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#16
Acenaphthylene
Concen: 0.028 ng
RT: 13.77 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN007418.D
Acq: 26 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.8	16.1	24.1#
153	14.4	10.6	15.8





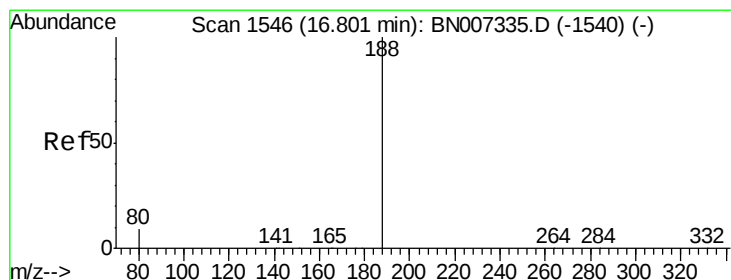
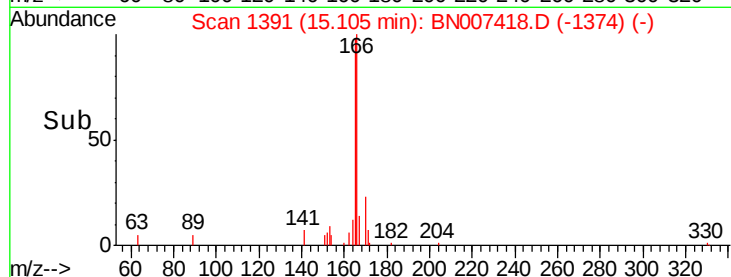
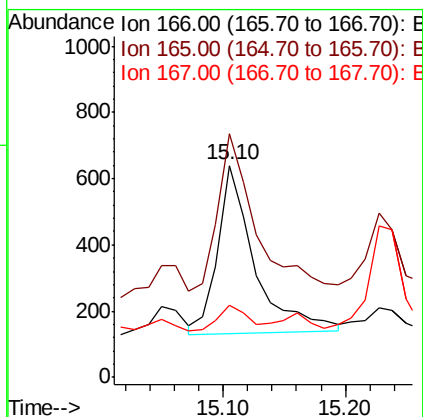
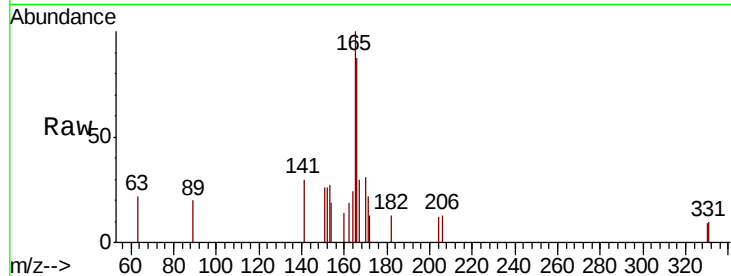
#18
Fluorene
 Concen: 0.022 ng
 RT: 15.10 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BN007418.D
 Acq: 26 Aug 2019 20:13

Instrument :
 BNA_N
 ClientSampleId :
 S301A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.0	118.4
167	12.6	10.6	15.8

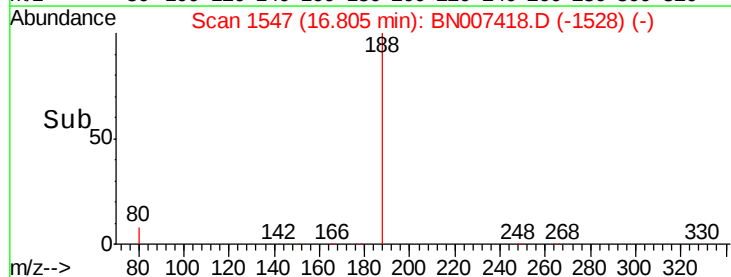
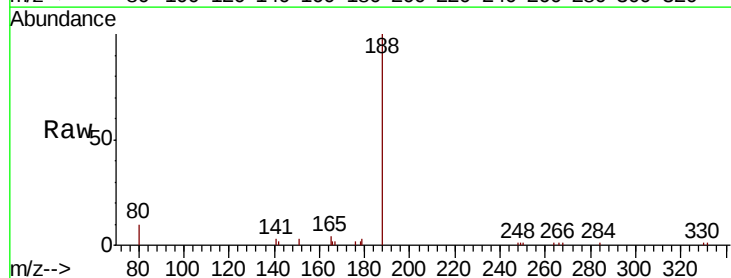
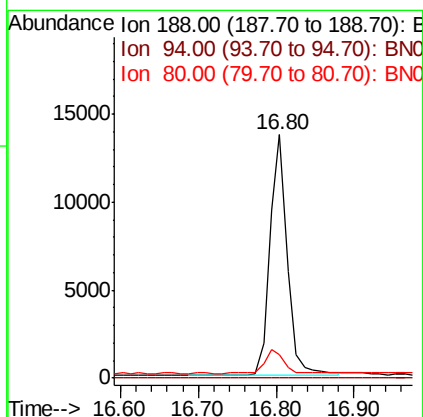
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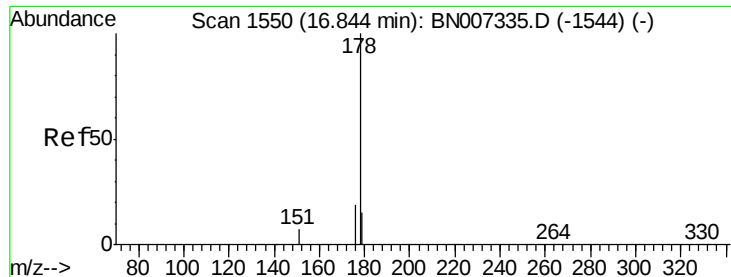
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.80 min Scan# 1547
 Delta R.T. 0.00 min
 Lab File: BN007418.D
 Acq: 26 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	11.8	17.8#





#23

Phenanthrene

Concen: 0.127 ng

RT: 16.85 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BN007418.D

Acq: 26 Aug 2019 20:13

Instrument :

BNA_N

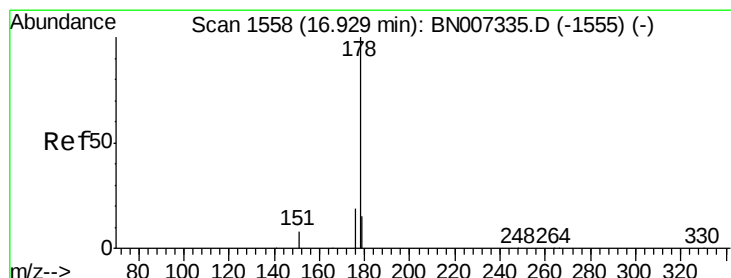
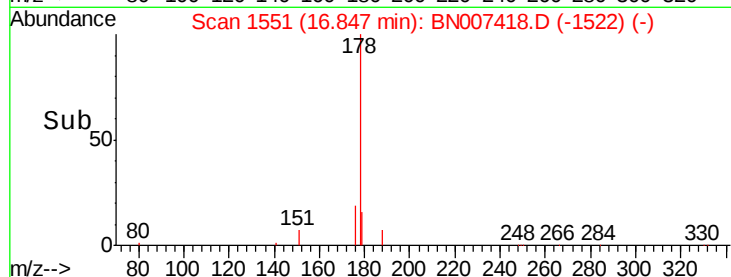
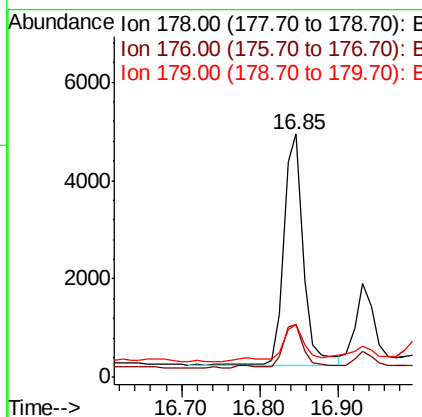
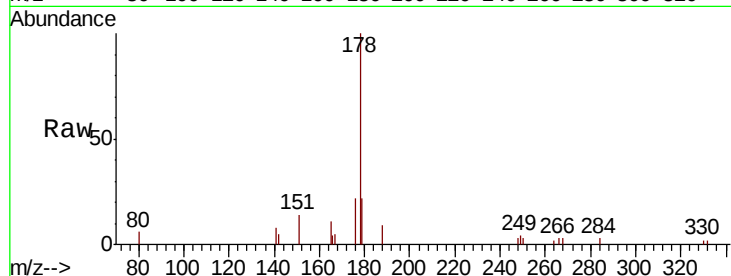
ClientSampleId :

S301A-J-1.5-2.0-082319

Tot Ion:178	Resp:	8153
Ion Ratio	Lower	Upper
178	100	
176	18.3	15.3 22.9
179	14.5	12.6 19.0

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#24

Anthracene

Concen: 0.035 ng

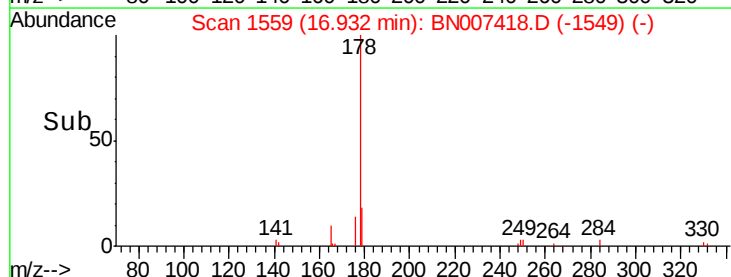
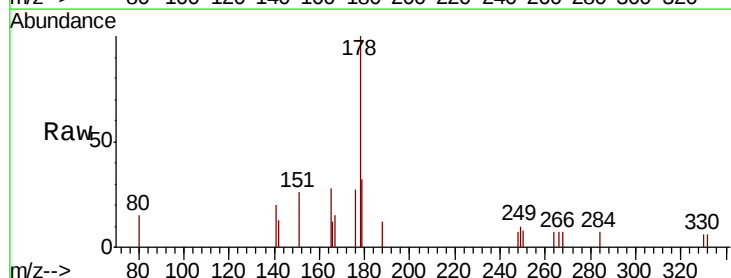
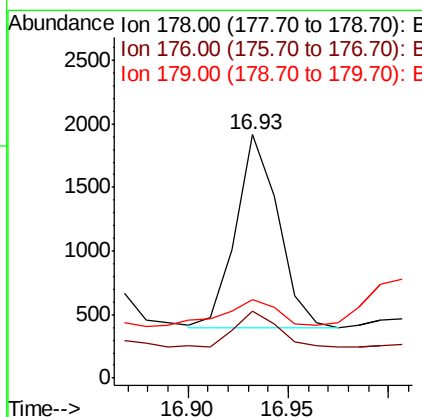
RT: 16.93 min Scan# 1559

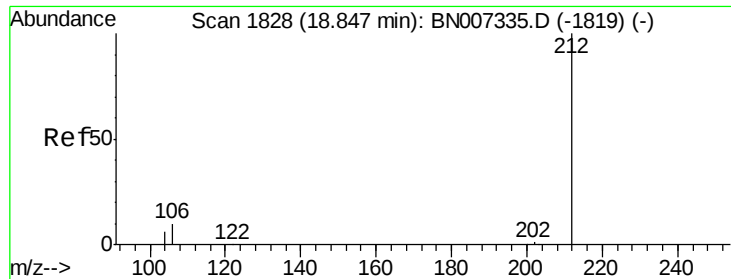
Delta R.T. 0.00 min

Lab File: BN007418.D

Acq: 26 Aug 2019 20:13

Tgt Ion:178	Resp:	2241
Ion Ratio	Lower	Upper
178	100	
176	19.2	14.9 22.3
179	19.0	12.4 18.6





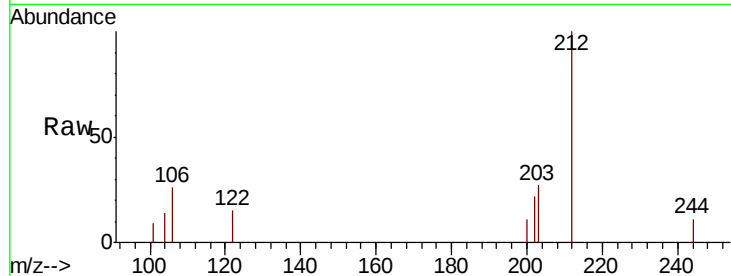
#25
 Fluoranthene-d10
 Concen: 0.062 ng
 RT: 18.85 min Scan# 1830
 Delta R.T. 0.00 min
 Lab File: BN007418.D
 Acq: 26 Aug 2019 20:13

Instrument :
 BNA_N
 ClientSampleId :
 S301A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
212	100		
106	10.7	9.0	13.4
104	7.4	5.4	8.2

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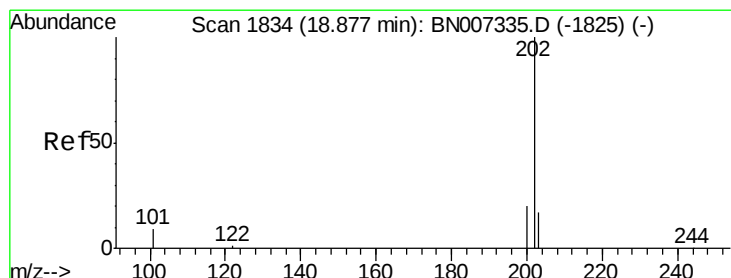
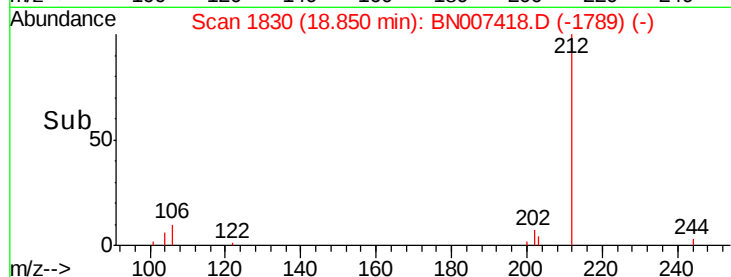
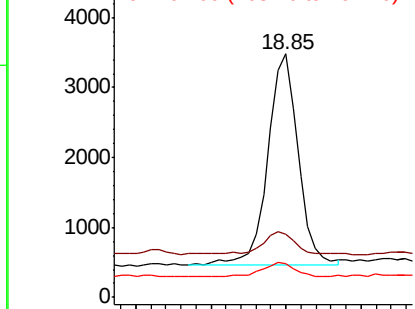


Abundance

Ion 212.00 (211.70 to 212.70): E

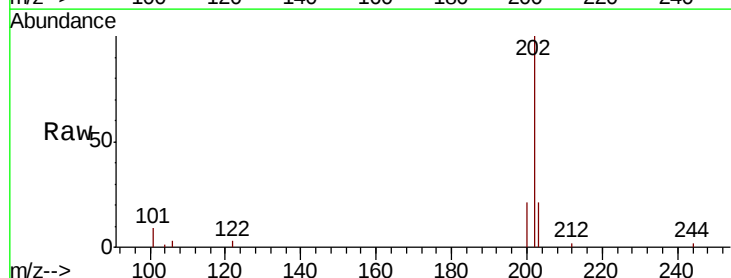
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26
 Fluoranthene
 Concen: 0.404 ng
 RT: 18.88 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: BN007418.D
 Acq: 26 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.7	11.5
203	18.3	13.7	20.5

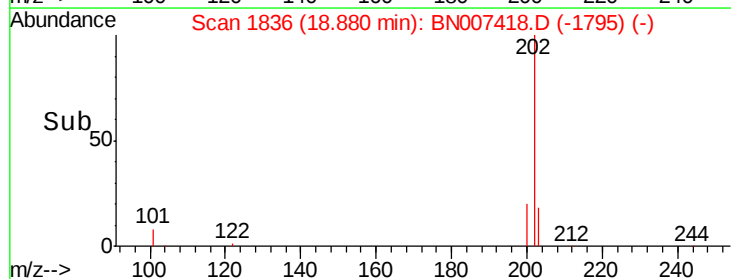
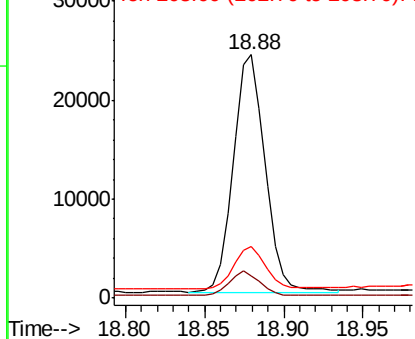


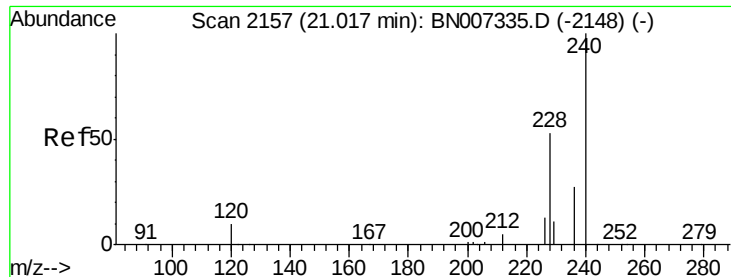
Abundance

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: 21.03 min Scan# 2159

Delta R.T. 0.01 min

Lab File: BN007418.D

Acq: 26 Aug 2019 20:13

Instrument :

BNA_N

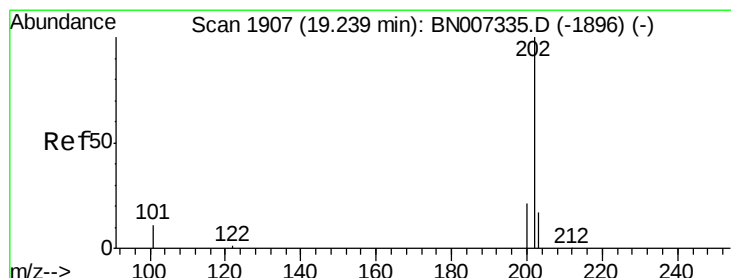
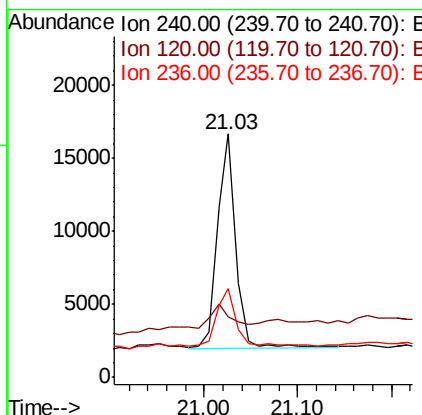
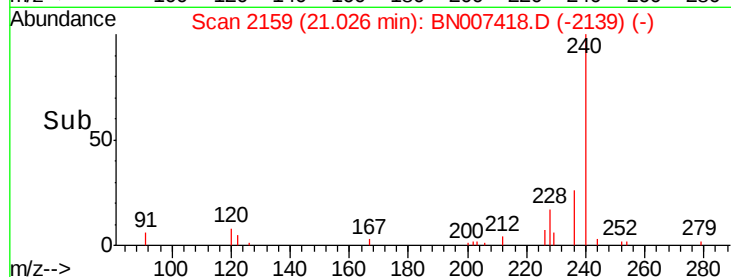
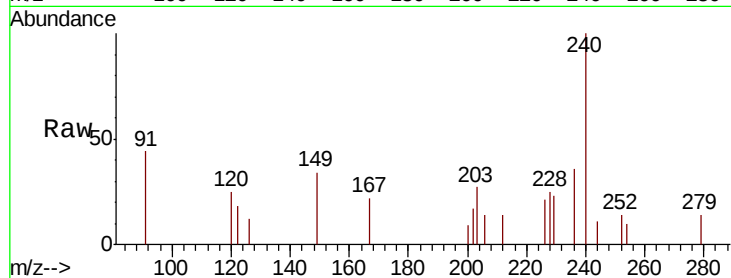
ClientSampleId :

S301A-J-1.5-2.0-082319

Tot Ion:	240	Resp:	20222
Ion Ratio	Lower	Upper	
240	100		
120	24.9	9.6	14.4#
236	36.2	22.2	33.2#

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#28

Pyrene

Concen: 0.389 ng

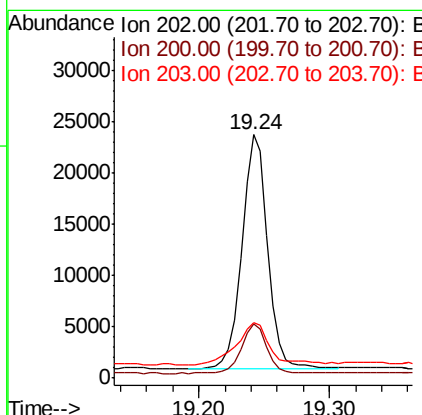
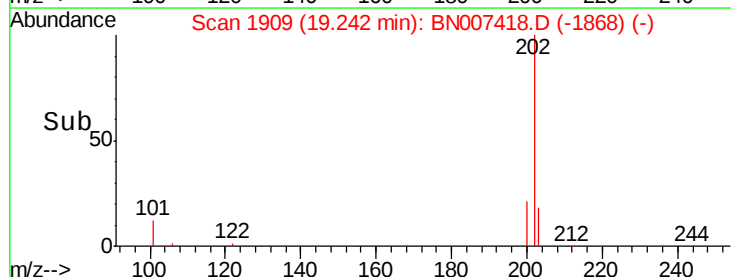
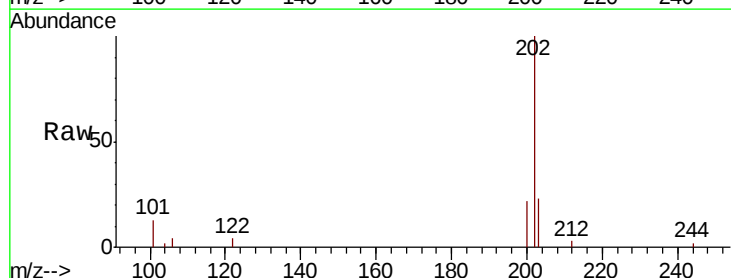
RT: 19.24 min Scan# 1909

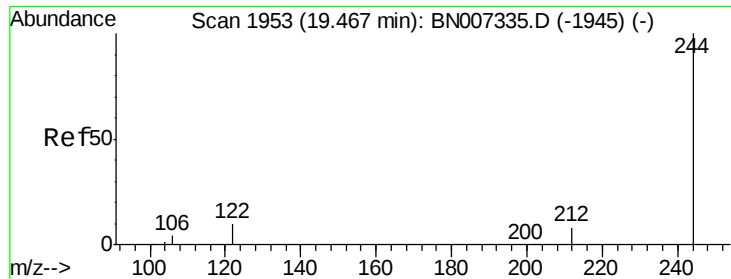
Delta R.T. 0.00 min

Lab File: BN007418.D

Acq: 26 Aug 2019 20:13

Tgt Ion:	202	Resp:	31668
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.6	25.0
203	21.6	14.2	21.4#





#29

Terphenyl-d14

Concen: 0.070 ng

RT: 19.47 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BN007418.D

Acq: 26 Aug 2019 20:13

Instrument :

BNA_N

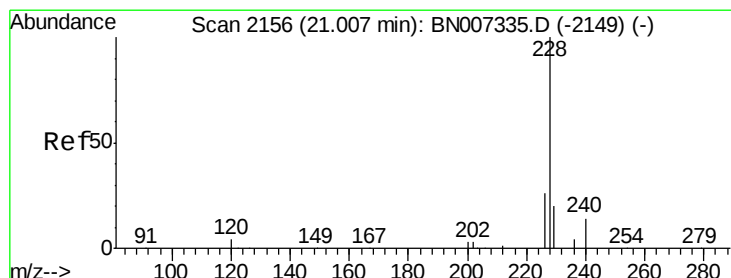
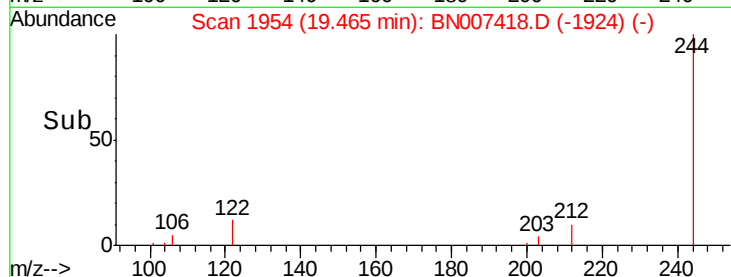
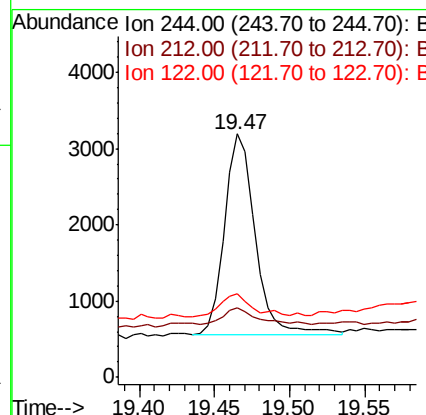
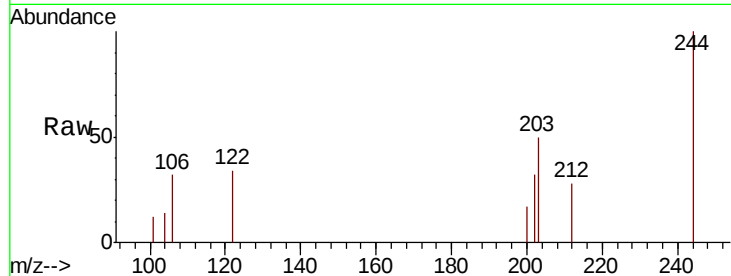
ClientSampleId :

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Tot Ion:	244	Resp:	3695
Ion Ratio	Lower	Upper	
244	100		
212	28.4	7.0	10.6#
122	34.3	9.6	14.4#

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#30

Benzo(a)anthracene

Concen: 0.240 ng

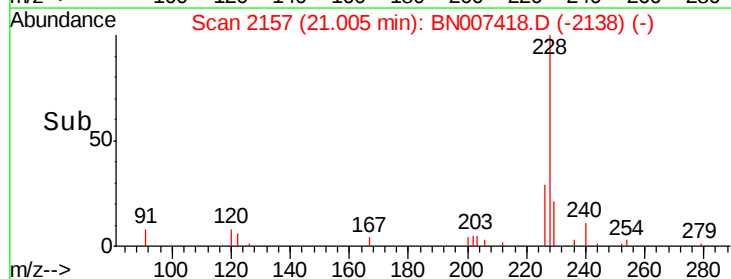
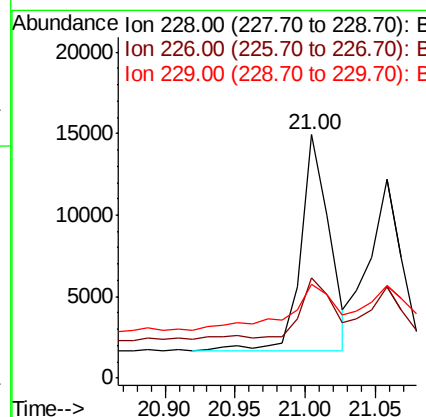
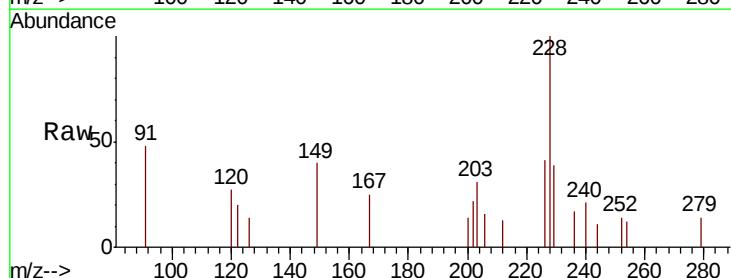
RT: 21.00 min Scan# 2157

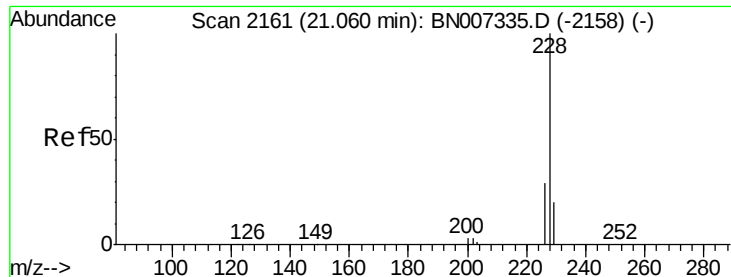
Delta R.T. -0.00 min

Lab File: BN007418.D

Acq: 26 Aug 2019 20:13

Tgt Ion:	228	Resp:	19022
Ion Ratio	Lower	Upper	
228	100		
226	41.3	21.3	31.9#
229	38.7	16.1	24.1#





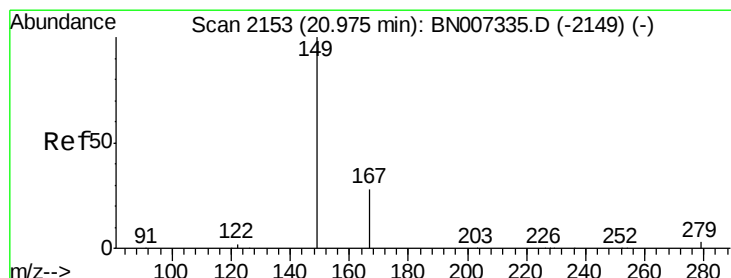
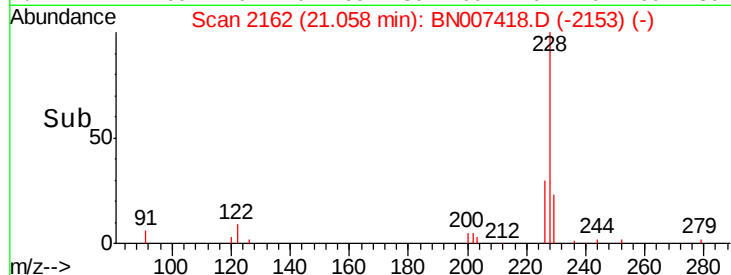
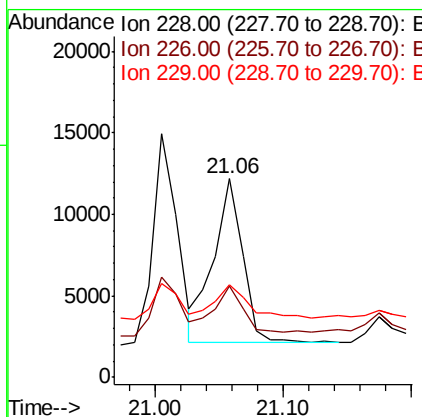
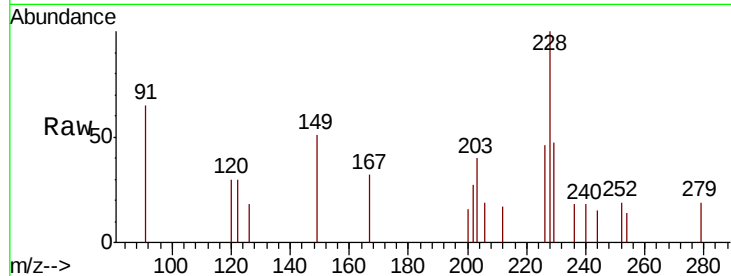
#31
Chrysene
Concen: 0.207 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007418.D
Acq: 26 Aug 2019 20:13

Instrument :
BNA_N
ClientSampleId :
S301A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
228	100		
226	45.7	23.5	35.3#
229	46.8	16.6	24.8#

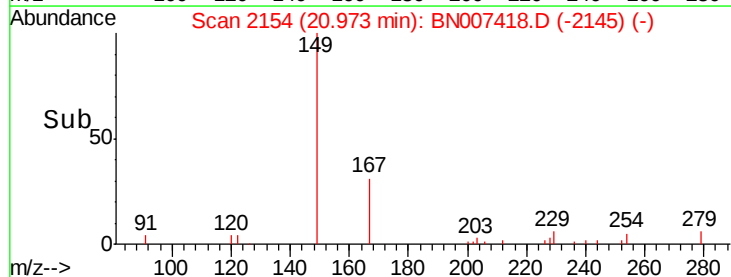
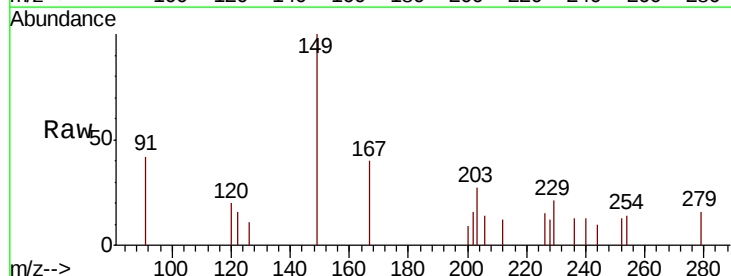
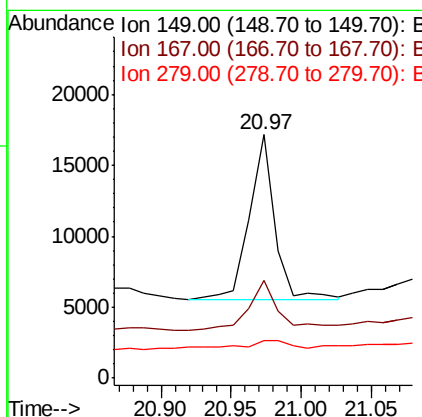
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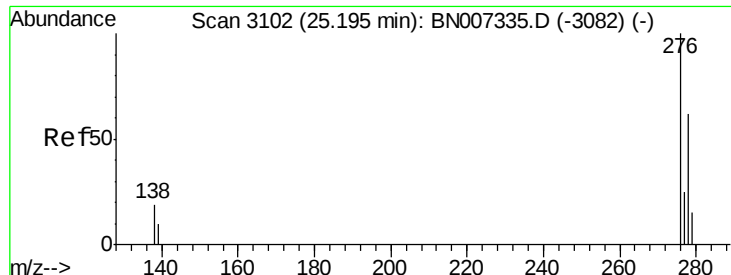
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.262 ng
RT: 20.97 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BN007418.D
Acq: 26 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	36.2	22.8	34.2#
279	8.9	3.5	5.3#





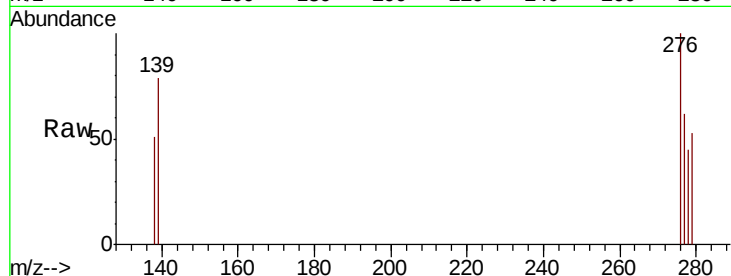
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.119 ng
 RT: 25.20 min Scan# 3104
 Delta R.T. 0.00 min
 Lab File: BN007418.D
 Acq: 26 Aug 2019 20:13

Instrument :
 BNA_N
 ClientSampleId :
 S301A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	15.1	22.7
277	23.5	19.7	29.5

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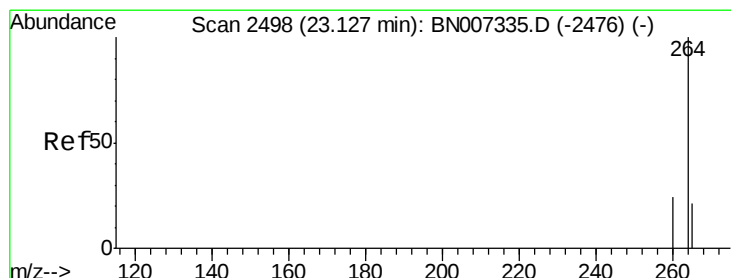
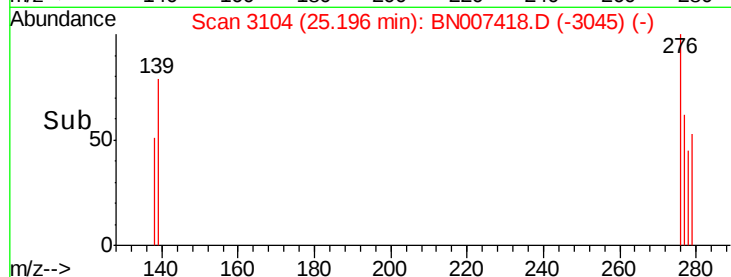
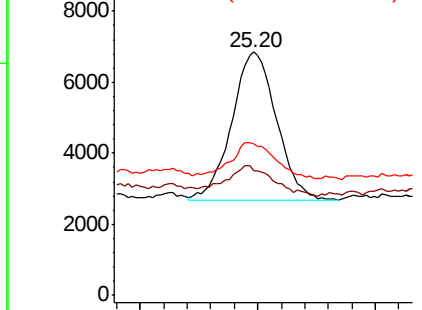


Abundance

Ion 276.00 (275.70 to 276.70): E

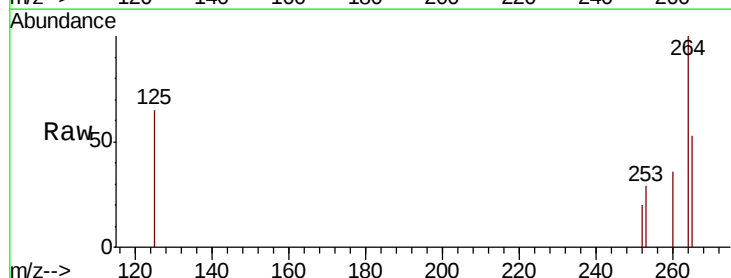
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.13 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: BN007418.D
 Acq: 26 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	36.2	19.7	29.5#
265	52.8	29.9	44.9#

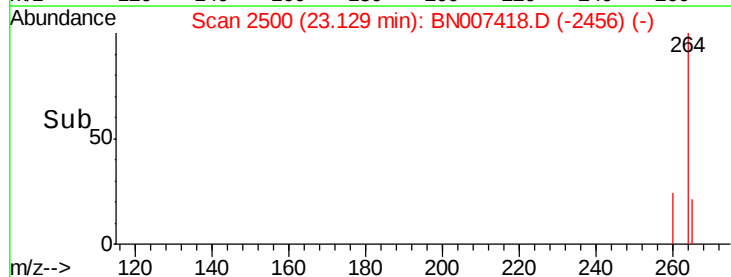
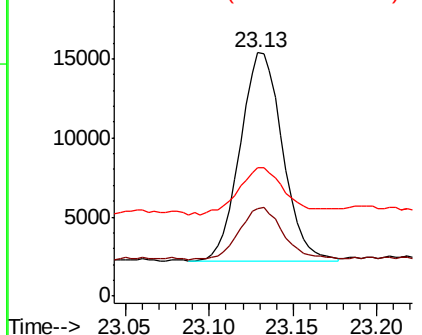


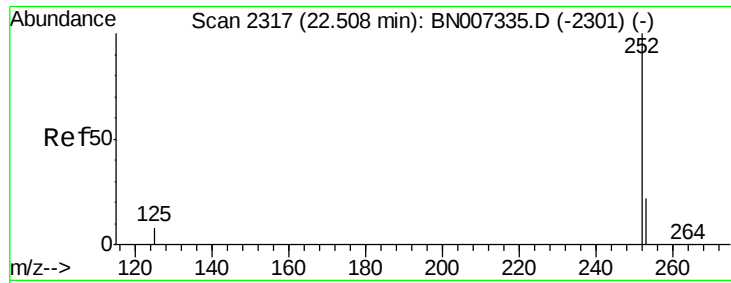
Abundance

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





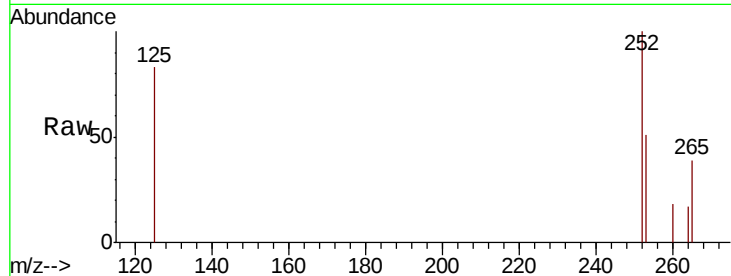
#35
Benzo(b)fluoranthene
Concen: 0.279 ng
RT: 22.51 min Scan# 2320
Delta R.T. 0.00 min
Lab File: BN007418.D
Acq: 26 Aug 2019 20:13

Instrument :
BNA_N
ClientSampleId :
S301A-J-1.5-2.0-082319

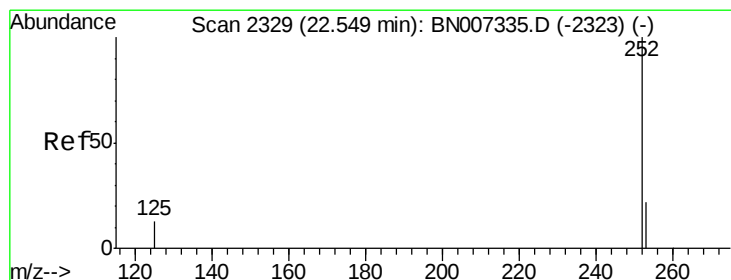
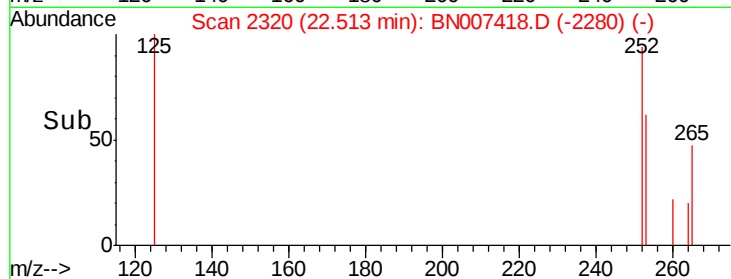
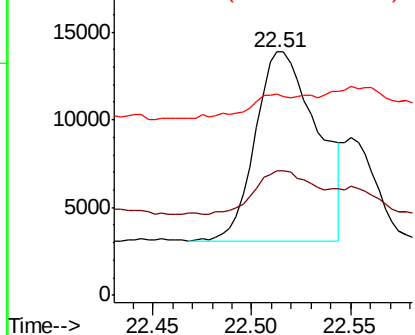
Tot Ion	Ratio	Lower	Upper
252	100		
253	51.3	19.2	28.8#
125	82.6	10.6	16.0#

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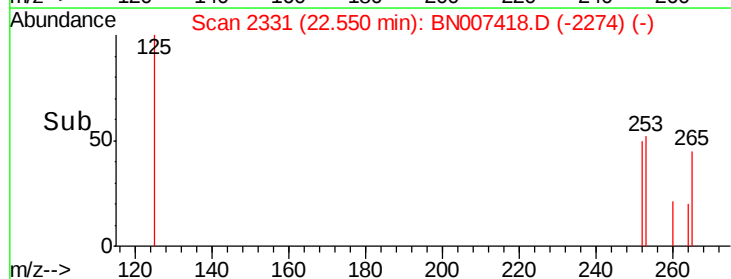
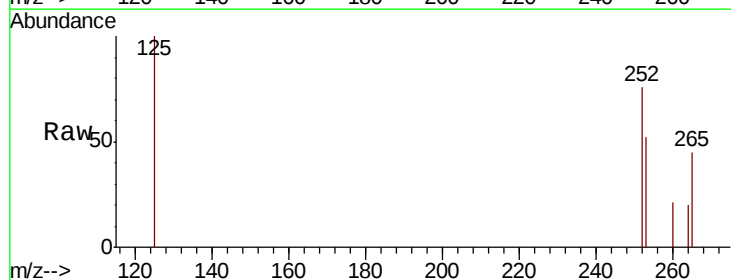
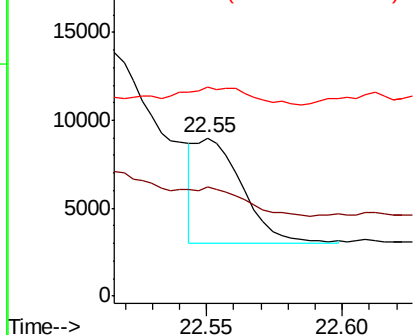
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

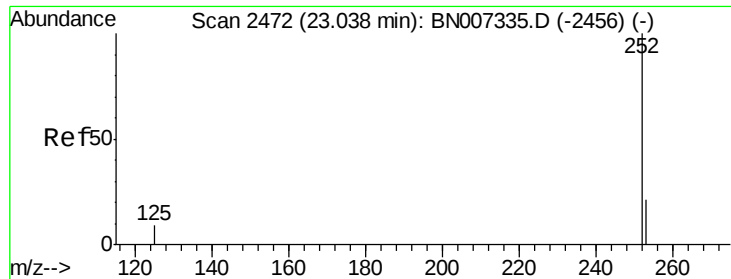


#36
Benzo(k)fluoranthene
Concen: 0.084 ng m
RT: 22.55 min Scan# 2331
Delta R.T. 0.00 min
Lab File: BN007418.D
Acq: 26 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	68.8	19.4	29.2#
125	131.8	13.1	19.7#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





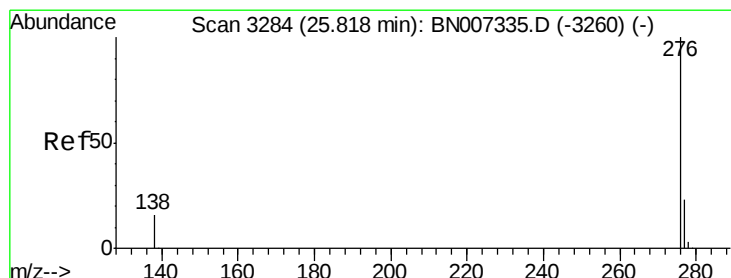
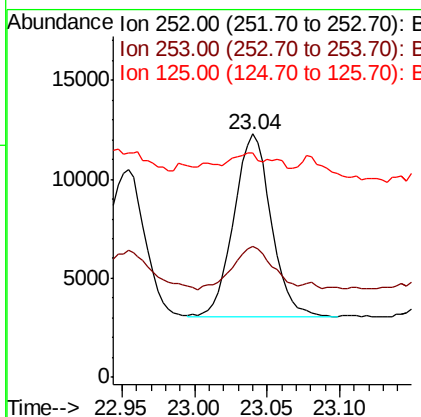
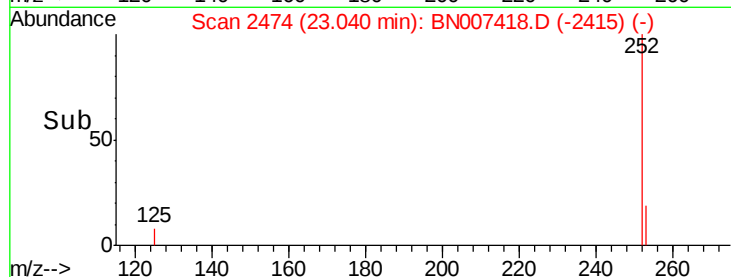
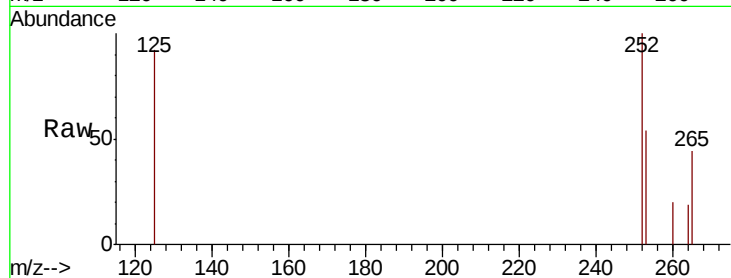
#37
Benzo(a)pyrene
Concen: 0.204 ng
RT: 23.04 min Scan# 2474
Delta R.T. 0.00 min
Lab File: BN007418.D
Acq: 26 Aug 2019 20:13

Instrument :
BNA_N
ClientSampleId :
S301A-J-1.5-2.0-082319

Tot Ion	Ratio	Lower	Upper
252	100		
253	53.7	19.5	29.3#
125	92.2	12.1	18.1#

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#39
Benzo(g,h,i)perylene
Concen: 0.151 ng
RT: 25.83 min Scan# 3288
Delta R.T. 0.01 min
Lab File: BN007418.D
Acq: 26 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	63.2	19.6	29.4#
138	52.9	16.3	24.5#

