

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032420\
 Data File : BN010334.D
 Acq On : 24 Mar 2020 19:51
 Operator : CG/JU
 Sample : L1997-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE109D2-20200316

Manual Integrations
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Quant Time: Mar 25 01:53:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 15:26:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	5152	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	18118	0.40	ng	0.00
13) Acenaphthene-d10	14.24	164	10723	0.40	ng	-0.01
19) Phenanthrene-d10	16.99	188	25623	0.40	ng	0.00
27) Chrysene-d12	21.19	240	26712	0.40	ng	0.00
34) Perylene-d12	23.35	264	28209	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	1395	0.14	ng	0.00
5) Phenol-d6	6.80	99	1089	0.09	ng	0.00
8) Nitrobenzene-d5	8.74	82	5625	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	11.97	152	7410	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.73	330	1099	0.27	ng	0.00
15) 2-Fluorobiphenyl	12.85	172	22263	0.54	ng	-0.01
25) Fluoranthene-d10	19.02	212	21222	0.27	ng	0.00
29) Terphenyl-d14	19.63	244	29045	0.50	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.25	88	12866	2.659	ng	97
23) Phenanthrene	17.02	178	1851	0.026	ng	# 93
26) Fluoranthene	19.05	202	4564	0.053	ng	# 97
28) Pyrene	19.41	202	4125	0.050	ng	96
30) Benzo(a)anthracene	21.16	228	2567	0.030	ng	91
31) Chrysene	21.22	228	2798	0.031	ng	96
32) Bis(2-ethylhexyl)phthalate	21.12	149	3909m	0.136	ng	
33) Indeno(1,2,3-cd)pyrene	25.50	276	2557	0.026	ng	98
35) Benzo(b)fluoranthene	22.71	252	3886	0.041	ng	# 60
36) Benzo(k)fluoranthene	22.75	252	2611	0.027	ng	# 1
37) Benzo(a)pyrene	23.26	252	2381	0.029	ng	# 40
39) Benzo(a,h,i)perylene	26.15	276	2233	0.025	ng	# 82

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

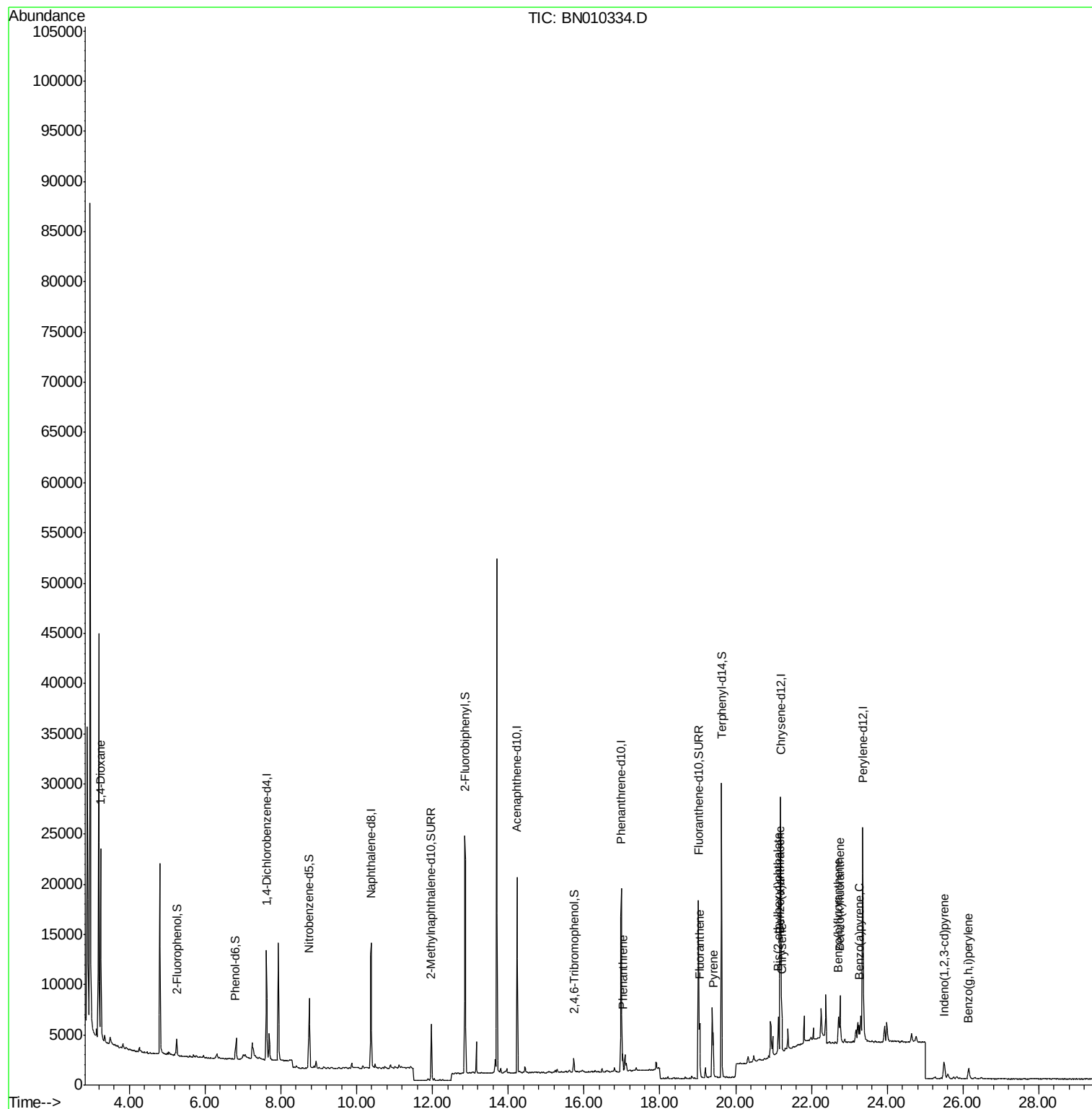
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032420\
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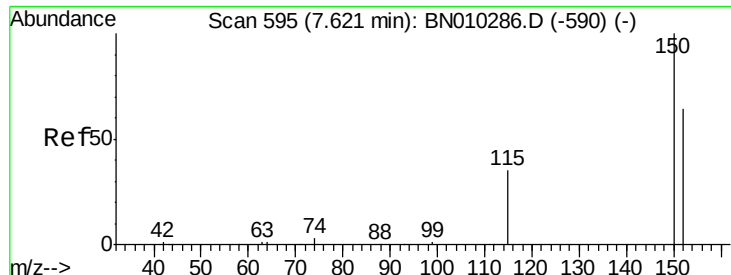
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#1

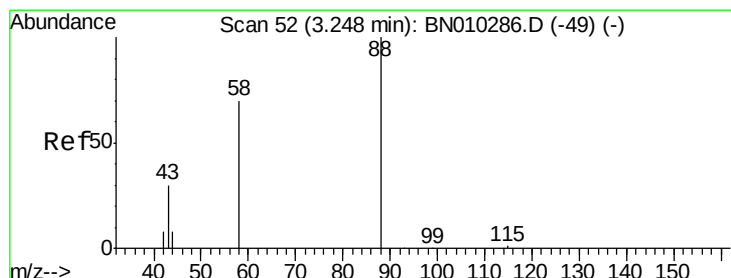
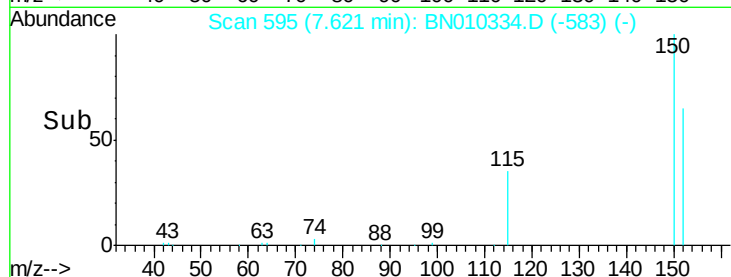
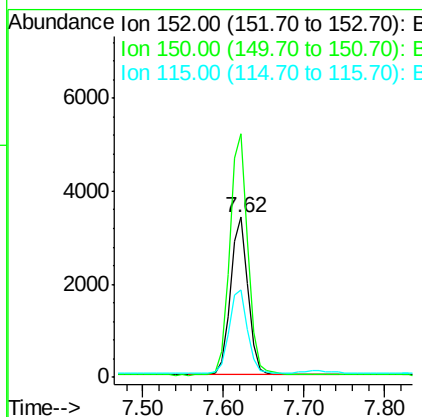
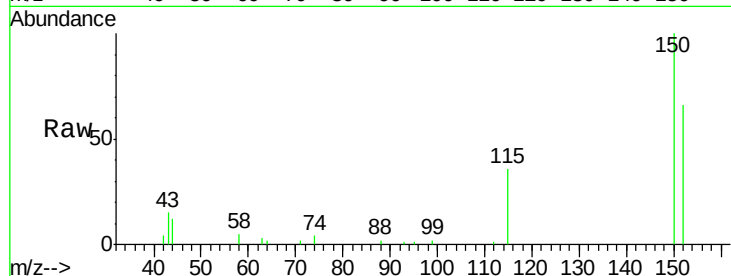
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 595
Delta R.T. 0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Instrument :
BNA_N
ClientSampleId :
RE109D2-20200316

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	123.1	184.7
115	55.0	45.2	67.8

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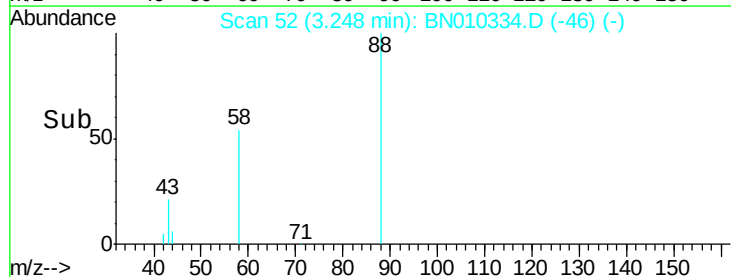
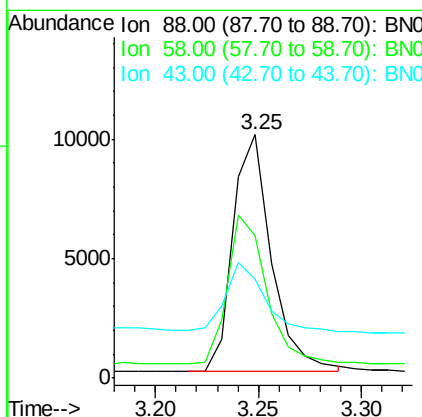
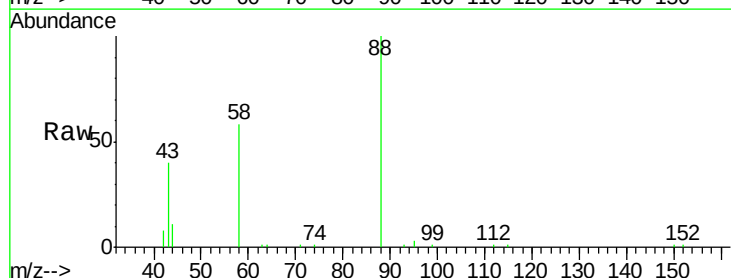
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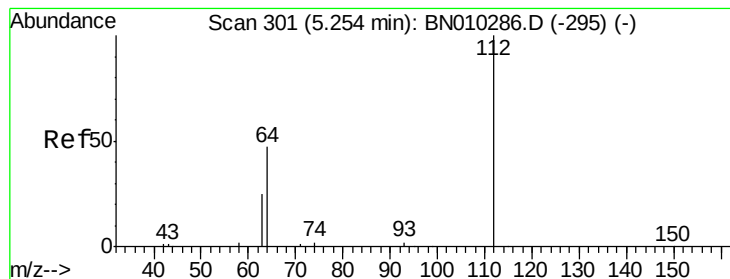


#2

1,4-Dioxane
Concen: 2.659 ng
RT: 3.25 min Scan# 52
Delta R.T. 0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	62.8	51.7	77.5
43	28.4	21.2	31.8





#4

2-Fluorophenol

Concen: 0.137 ng

RT: 5.25 min Scan# 301

Delta R.T. 0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Instrument :

BNA_N

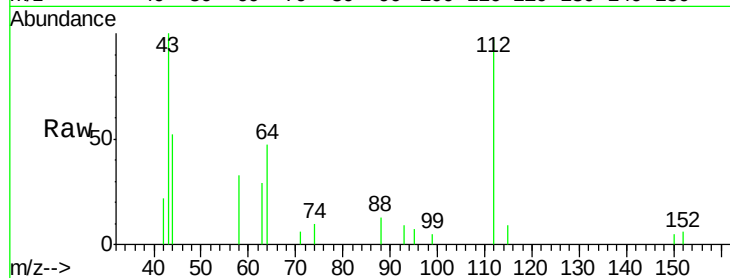
ClientSampleId :

RE109D2-20200316

Tot Ion	Ratio	Lower	Upper
112	100		
64	52.0	41.4	62.2
63	27.9	22.9	34.3

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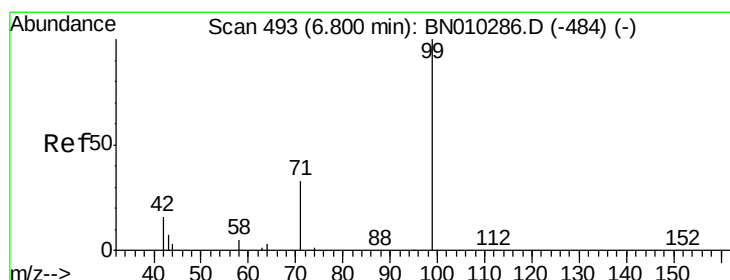
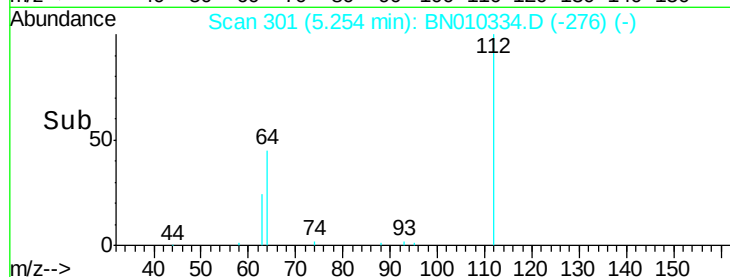
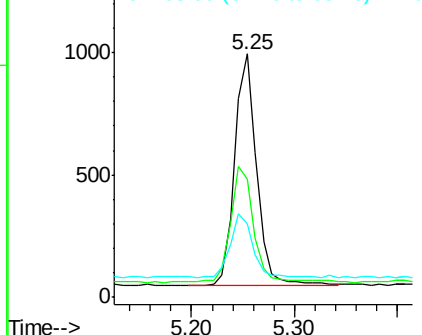
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#5

Phenol-d6

Concen: 0.086 ng

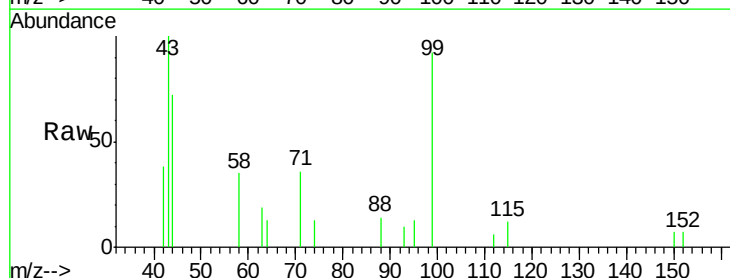
RT: 6.80 min Scan# 493

Delta R.T. 0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

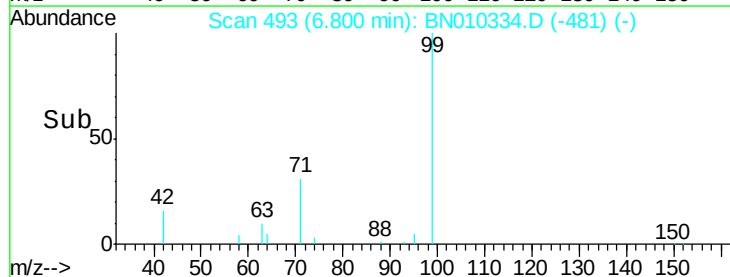
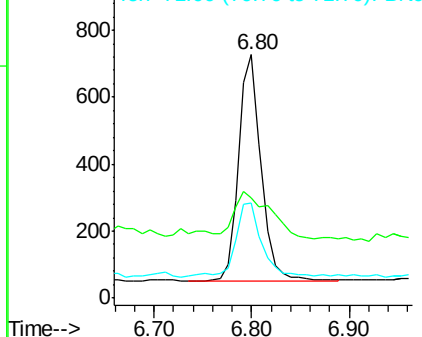
Tgt Ion	Ratio	Lower	Upper
99	100		
42	33.5	14.8	22.2#
71	37.3	27.3	40.9

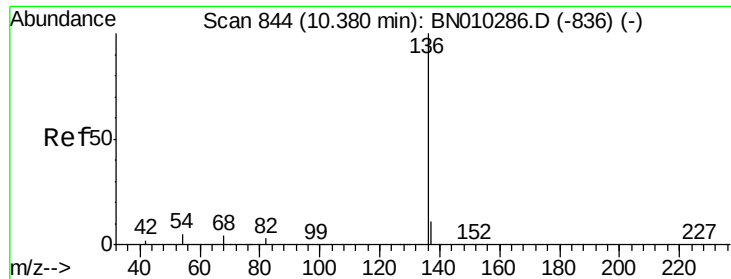


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. 0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Instrument :

BNA_N

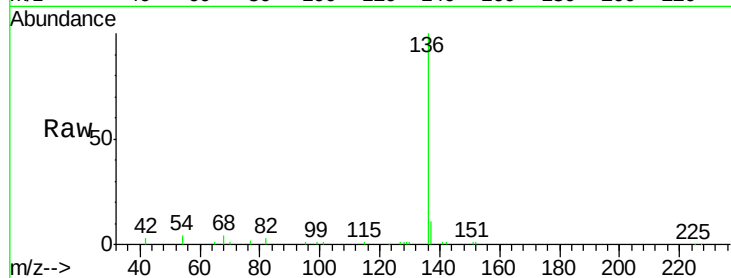
ClientSampleId :

RE109D2-20200316

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	4.4	4.8	7.2#
68	4.0	4.1	6.1#

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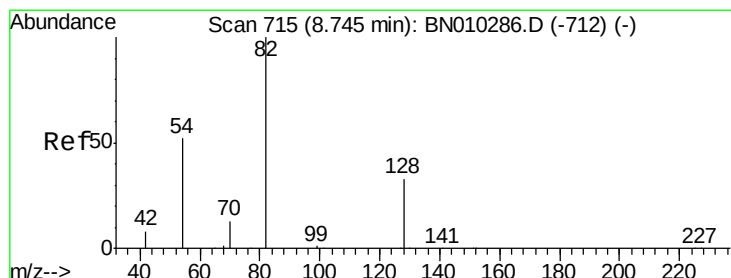
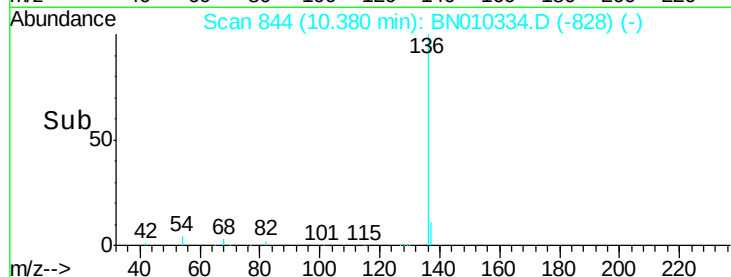
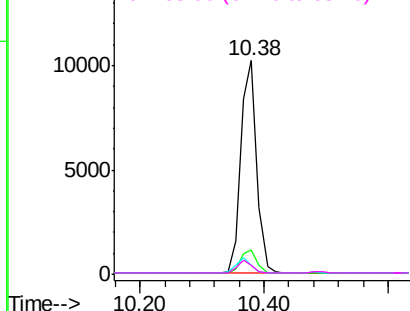
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.484 ng

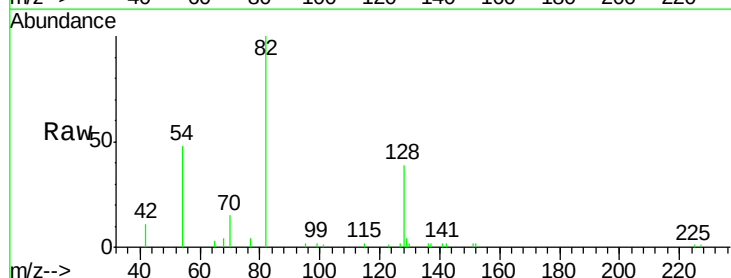
RT: 8.74 min Scan# 715

Delta R.T. 0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.0	28.8	43.2
54	47.8	42.1	63.1

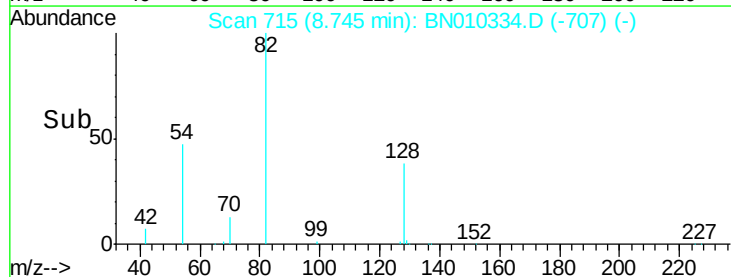
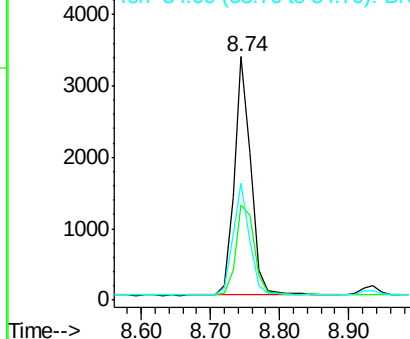


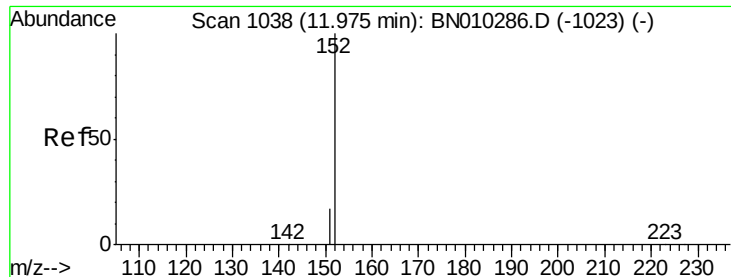
Abundance

Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





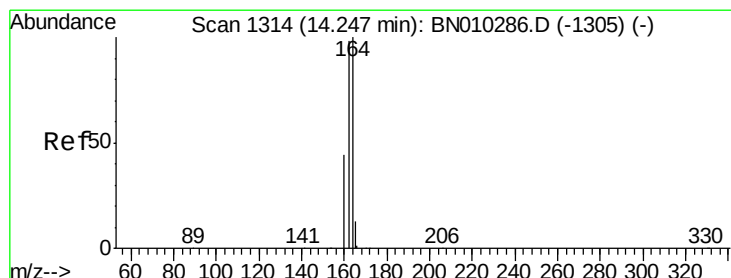
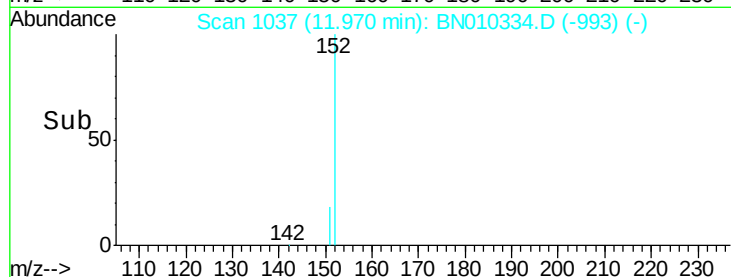
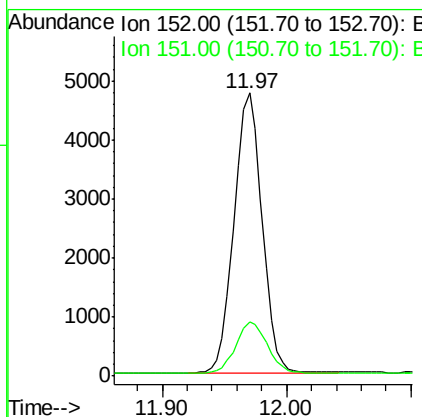
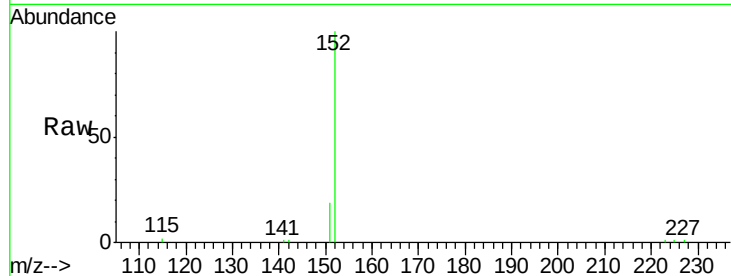
#11
2-Methylnaphthalene-d10
Concen: 0.256 ng
RT: 11.97 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Instrument :
BNA_N
ClientSampleId :
RE109D2-20200316

Tot Ion	Ion	Ratio	Lower	Upper
152	100			
151	20.5	15.4	23.2	

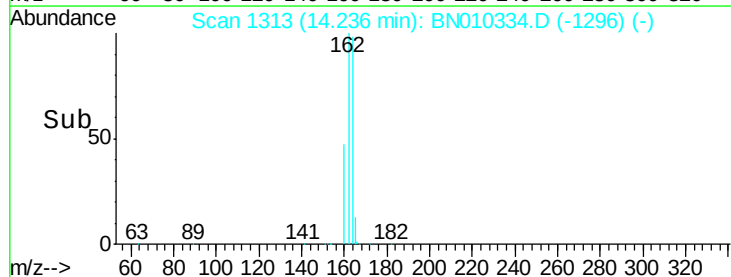
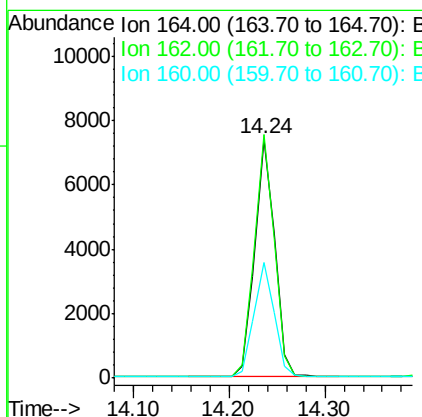
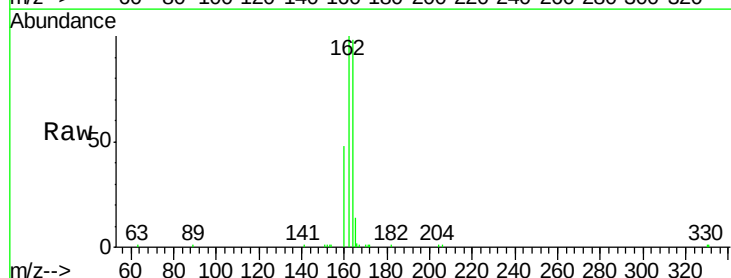
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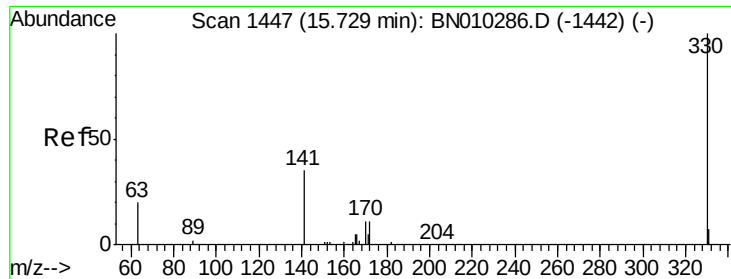
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion	Ion	Ratio	Lower	Upper
164	100			
162	101.9	78.2	117.2	
160	48.6	35.8	53.6	





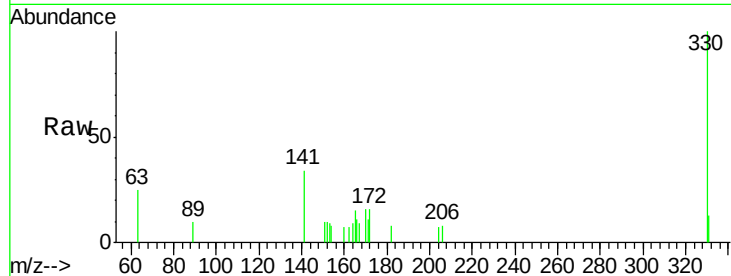
#14
 2,4,6-Tribromophenol
 Concen: 0.267 ng
 RT: 15.73 min Scan# 1447
 Delta R.T. 0.00 min
 Lab File: BN010334.D
 Acq: 24 Mar 2020 19:51

Instrument :
 BNA_N
 ClientSampleId :
 RE109D2-20200316

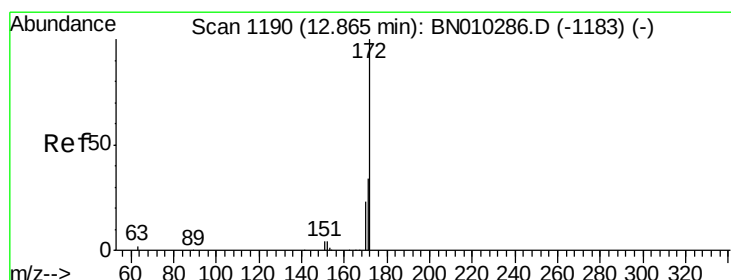
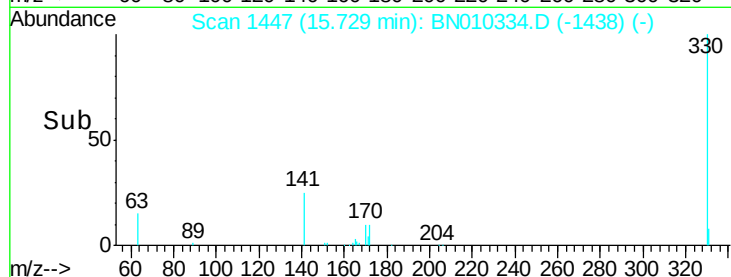
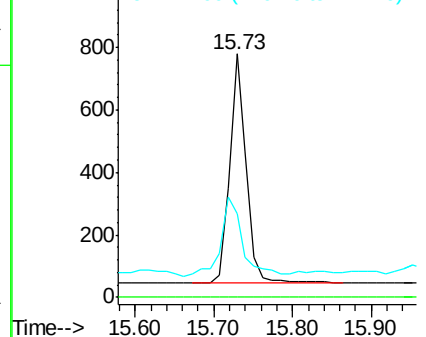
Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	43.6	29.3	43.9

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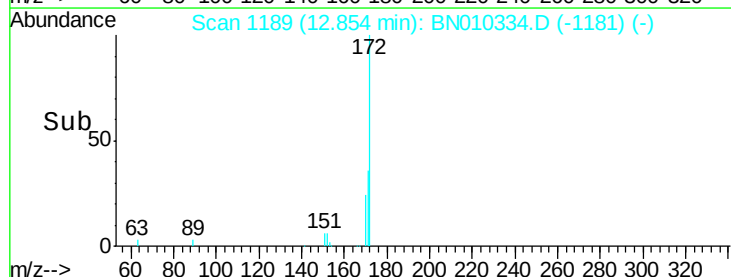
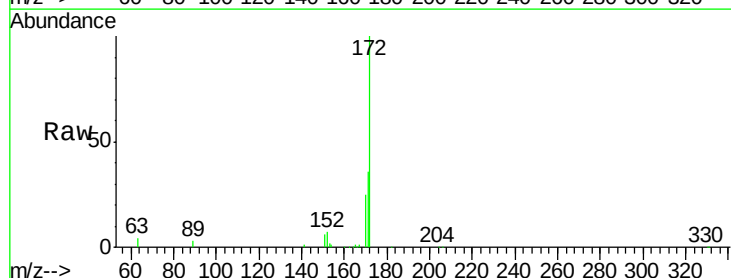
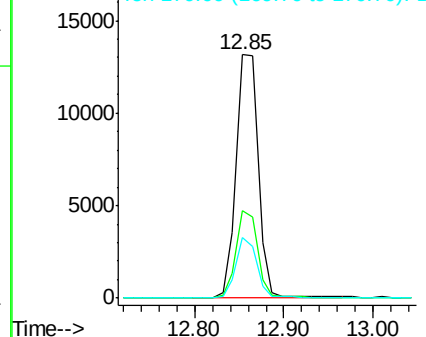
Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

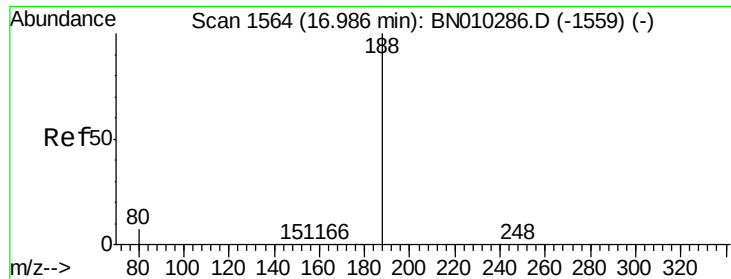


#15
 2-Fluorobiphenyl
 Concen: 0.543 ng
 RT: 12.85 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BN010334.D
 Acq: 24 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.6	41.4
170	24.7	18.5	27.7

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





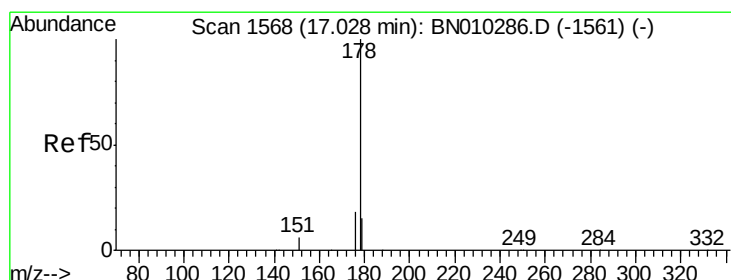
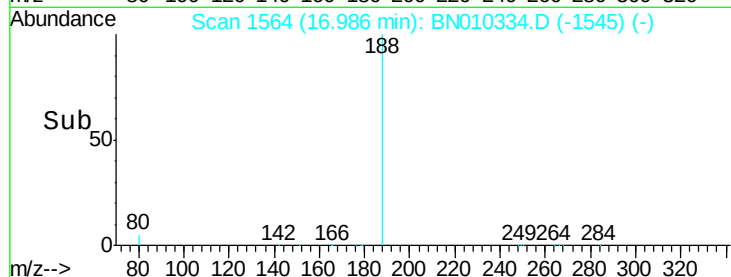
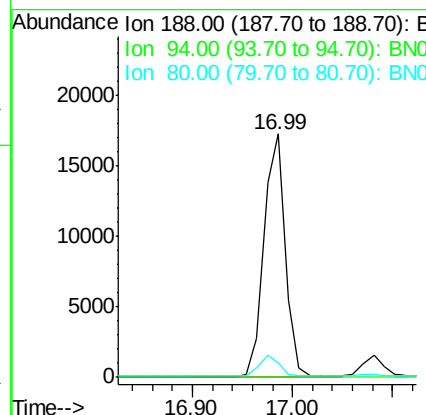
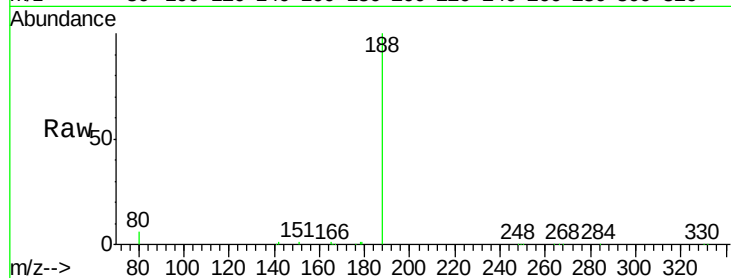
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.99 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Instrument :
BNA_N
ClientSampleId :
RE109D2-20200316

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.8	6.0	9.0#

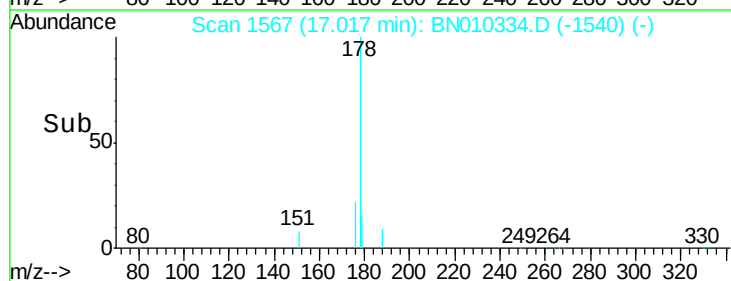
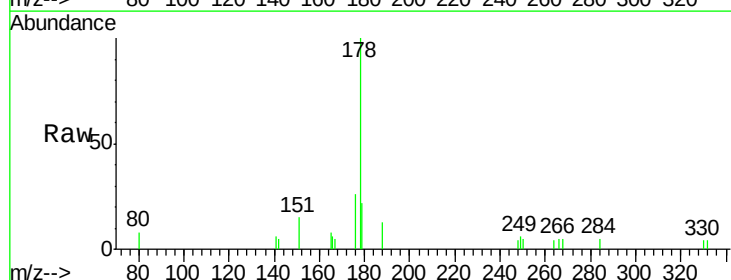
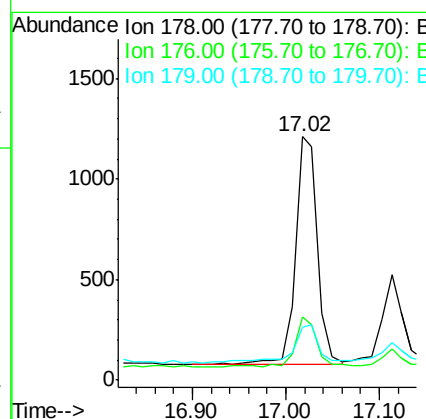
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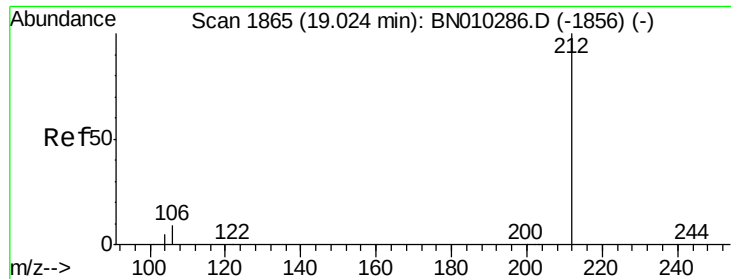
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#23
Phenanthrene
Concen: 0.026 ng
RT: 17.02 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.2	15.0	22.4
179	20.1	12.4	18.6#





#25

Fluoranthene-d10

Concen: 0.275 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Instrument :

BNA_N

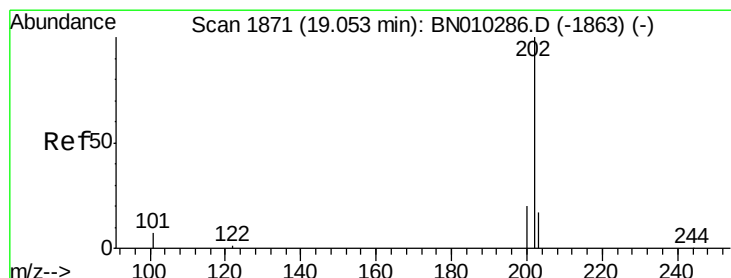
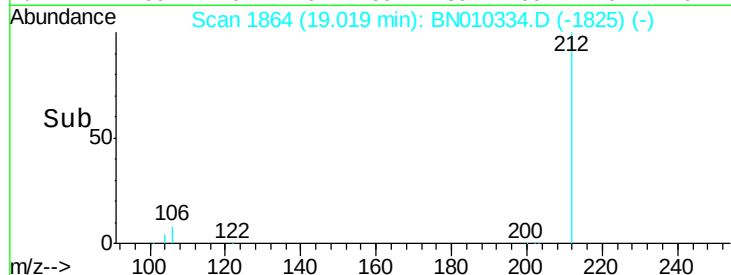
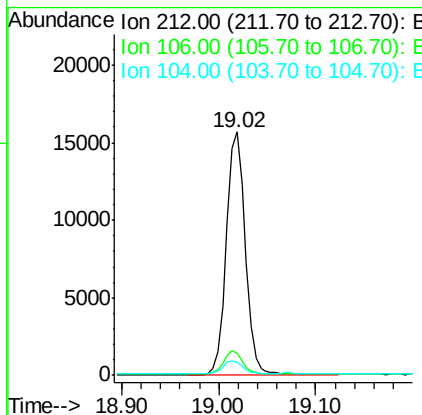
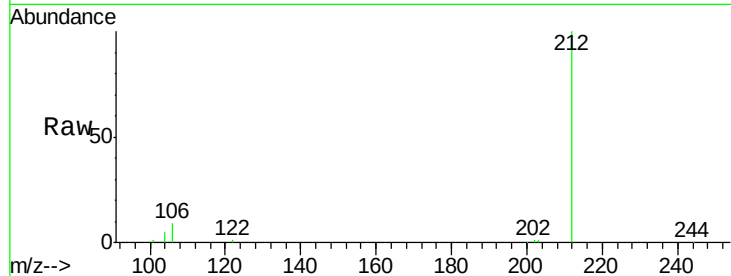
ClientSampleId :

RE109D2-20200316

Tot Ion:	212	Resp:	21222
Ion Ratio	Lower	Upper	
212	100		
106	9.8	7.4	11.2
104	5.5	4.2	6.4

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#26

Fluoranthene

Concen: 0.053 ng

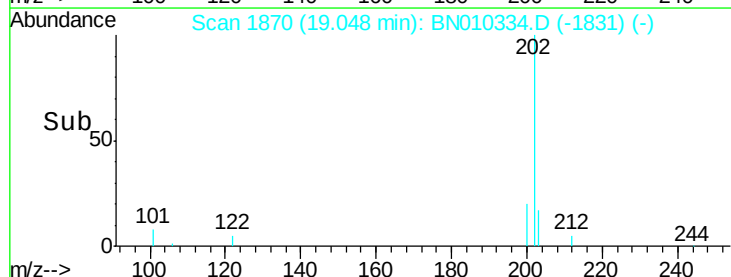
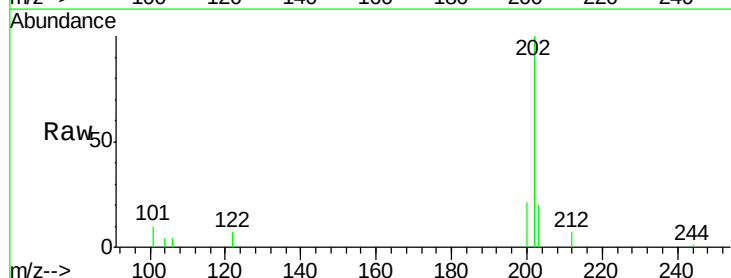
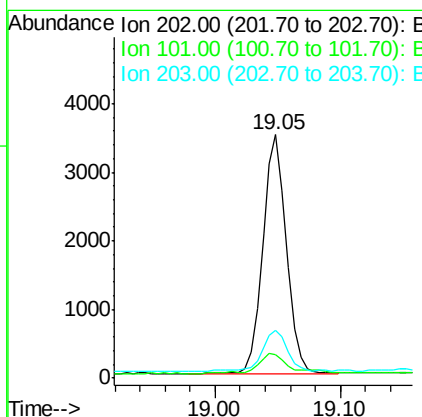
RT: 19.05 min Scan# 1870

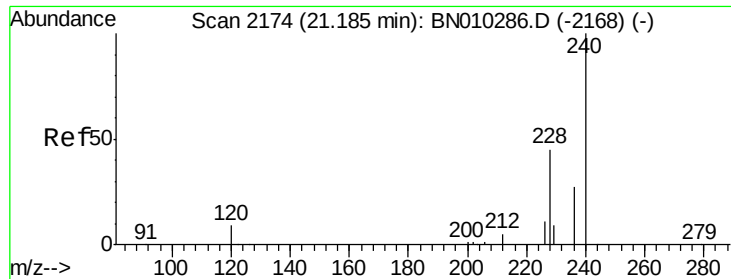
Delta R.T. -0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Tgt Ion:	202	Resp:	4564
Ion Ratio	Lower	Upper	
202	100		
101	11.9	6.6	9.8#
203	17.3	13.8	20.8





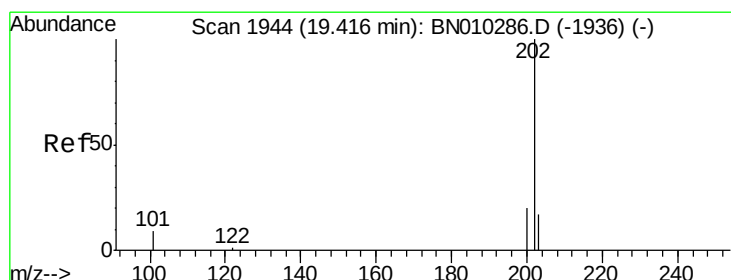
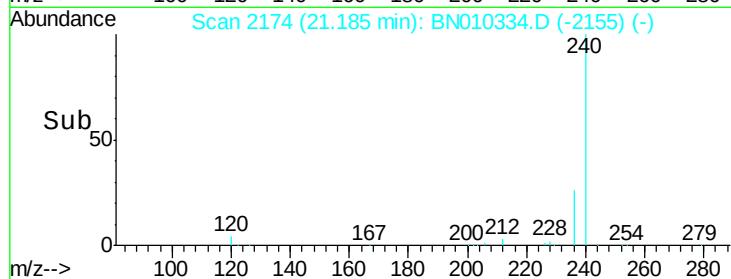
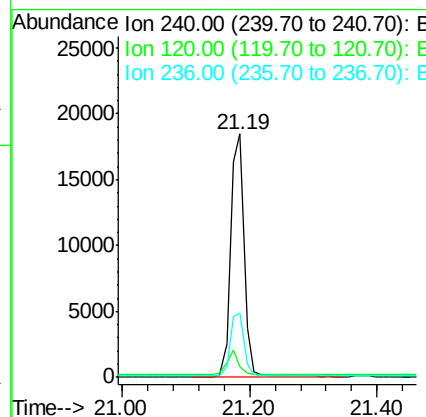
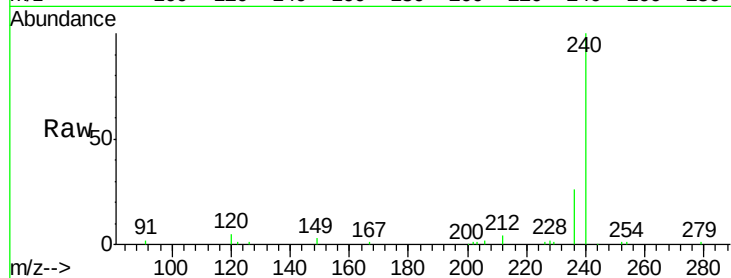
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.19 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Instrument :
BNA_N
ClientSampleId :
RE109D2-20200316

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.6	7.9	11.9#
236	26.5	22.2	33.4

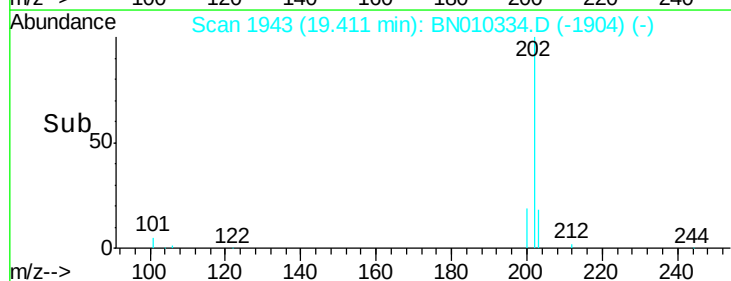
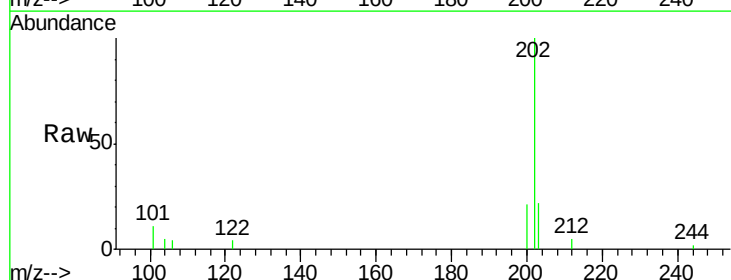
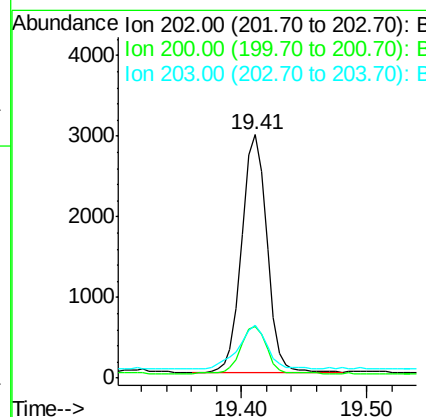
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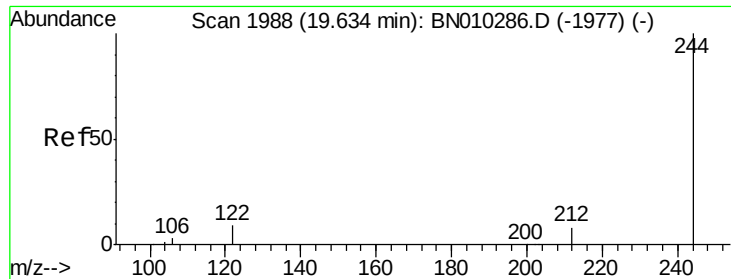
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#28
Pyrene
Concen: 0.050 ng
RT: 19.41 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.4
203	21.0	14.2	21.2





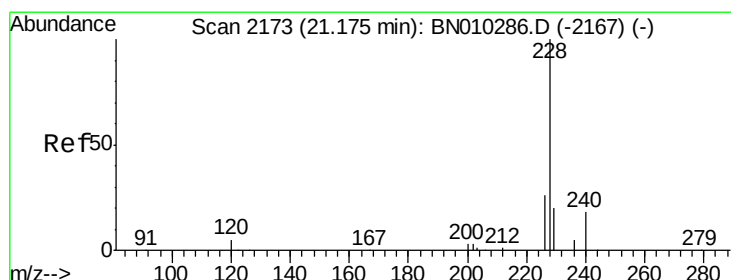
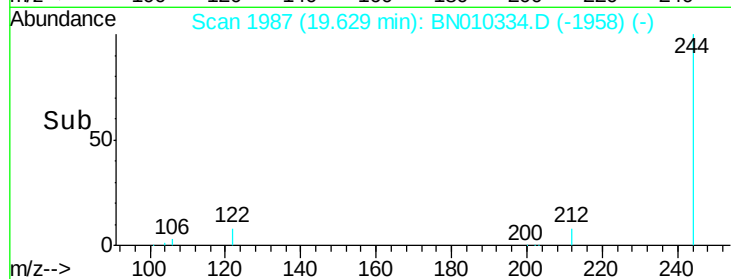
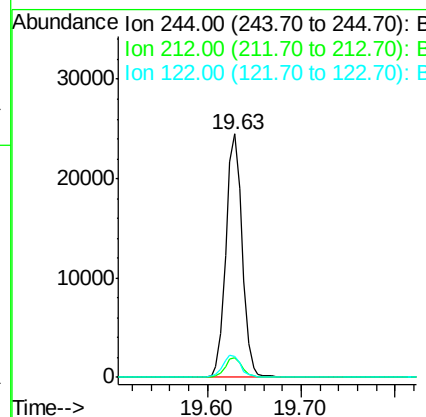
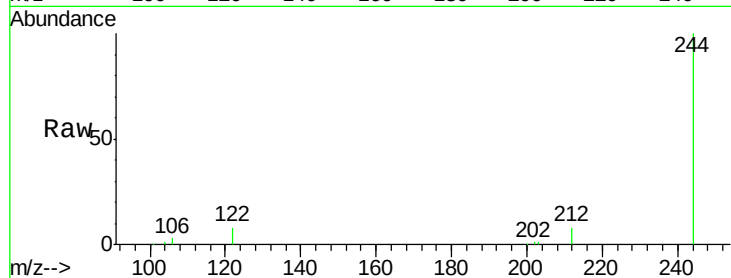
#29
Terphenyl-d14
Concen: 0.503 ng
RT: 19.63 min Scan# 1987
Delta R.T. -0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Instrument :
BNA_N
ClientSampleId :
RE109D2-20200316

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.3	9.5
122	8.4	7.6	11.4

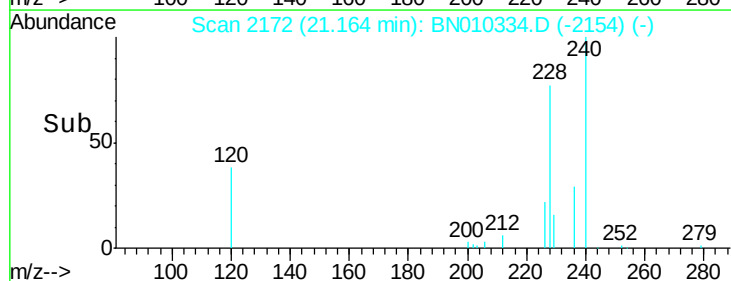
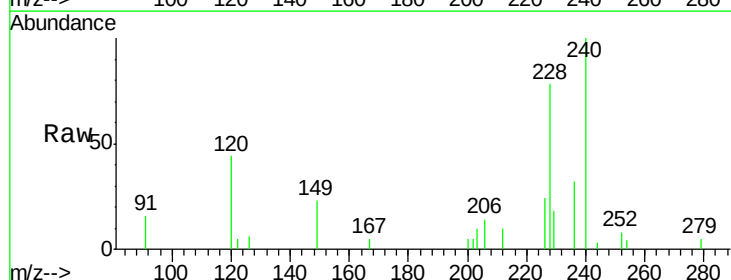
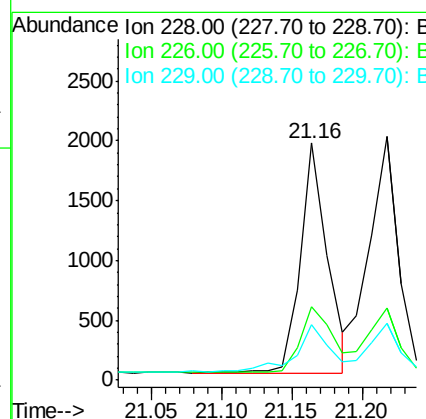
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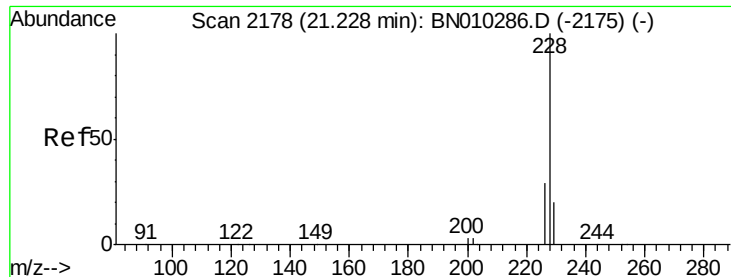
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#30
Benzo(a)anthracene
Concen: 0.030 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	21.0	31.4
229	23.7	16.0	24.0





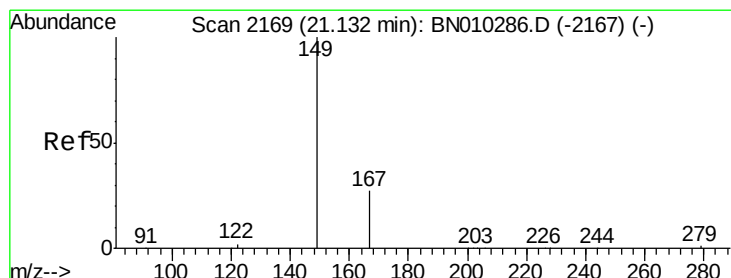
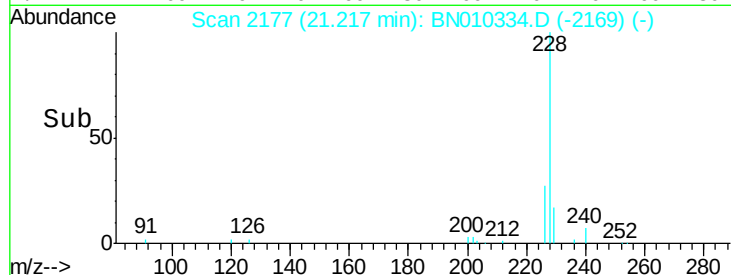
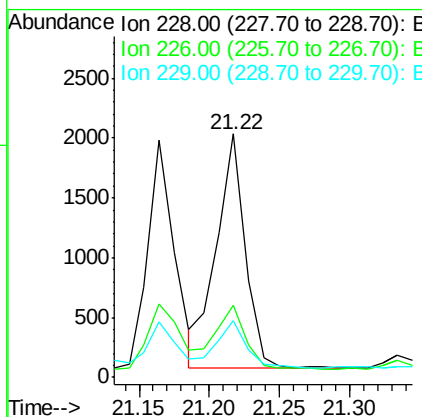
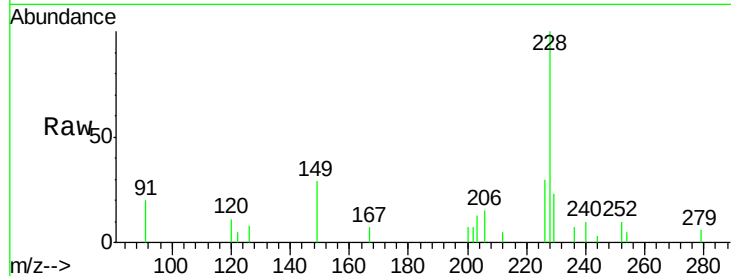
#31
Chrysene
Concen: 0.031 ng
RT: 21.22 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Instrument :
BNA_N
ClientSampleId :
RE109D2-20200316

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.0	34.6
229	23.5	16.0	24.0

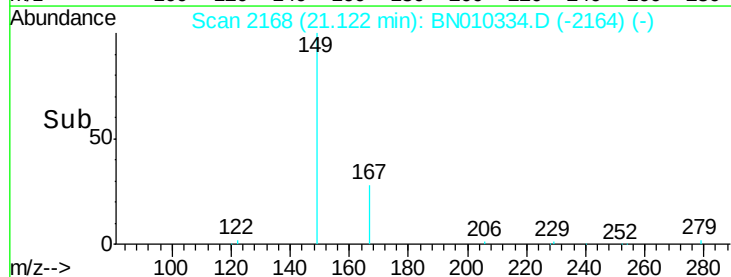
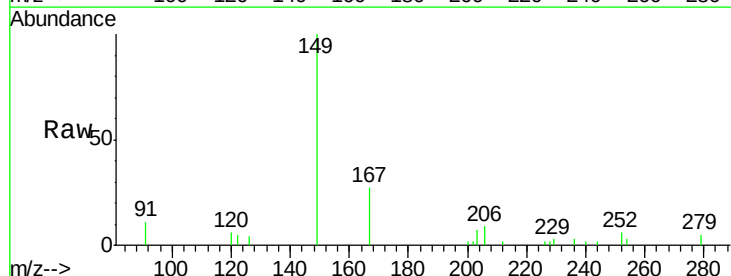
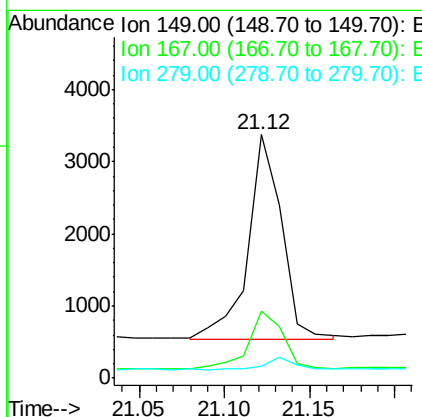
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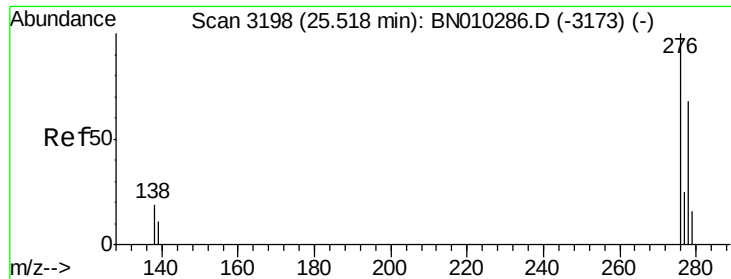
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.136 ng m
RT: 21.12 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.9	23.0	34.6
279	4.4	3.8	5.8





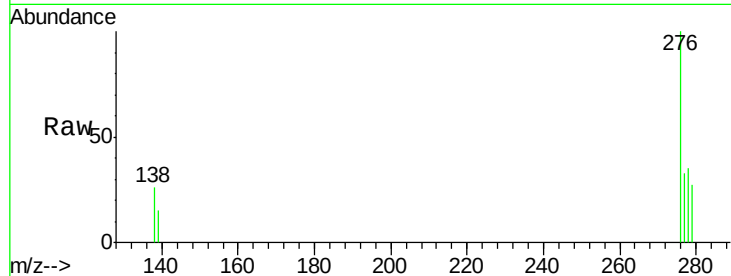
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.026 ng
RT: 25.50 min Scan# 3192
Delta R.T. -0.02 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Instrument :
BNA_N
ClientSampleId :
RE109D2-20200316

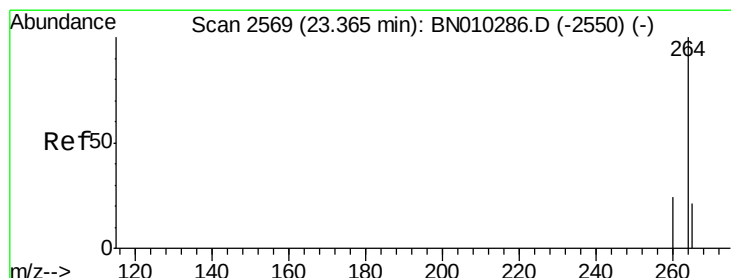
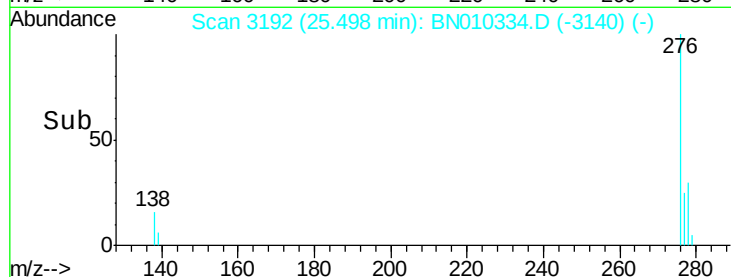
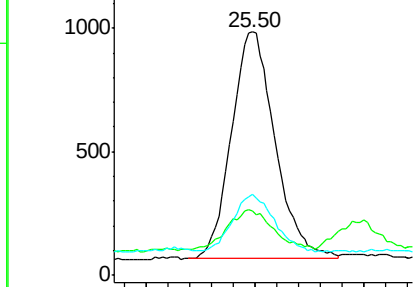
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.5	15.6	23.4
277	23.7	20.1	30.1

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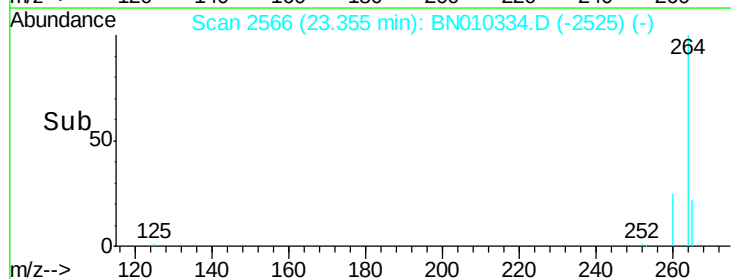
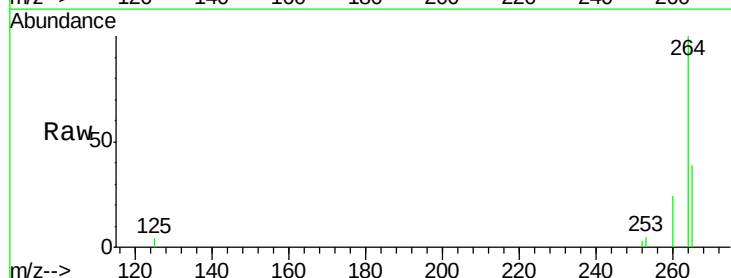
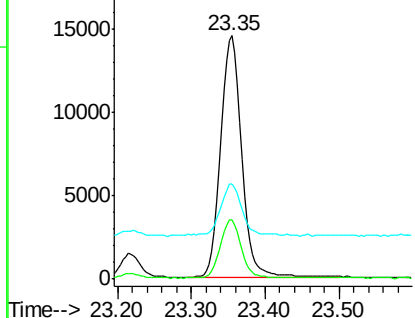
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

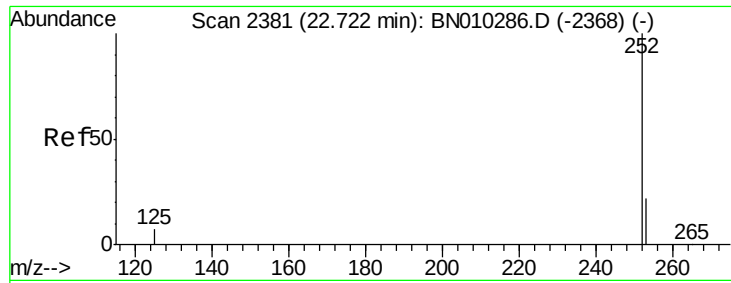


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.35 min Scan# 2566
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	39.0	32.4	48.6

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





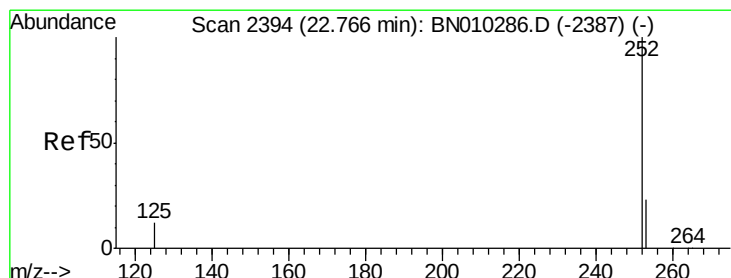
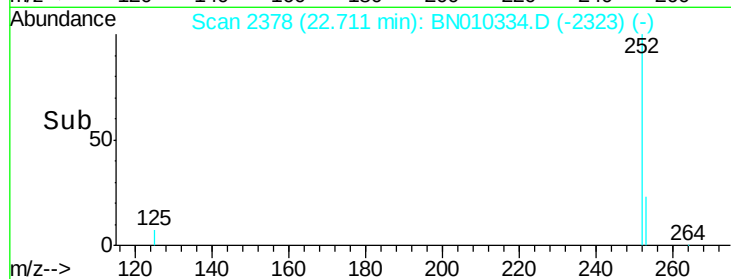
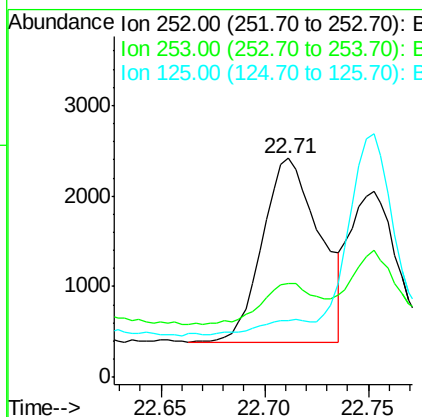
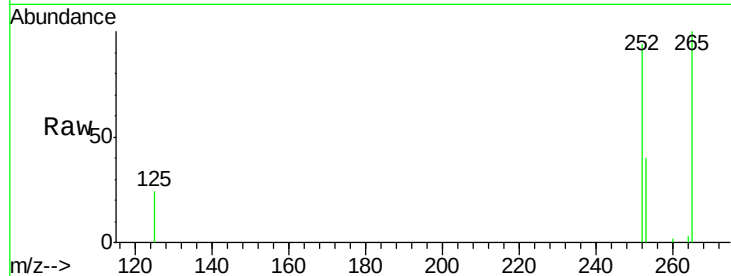
#35
Benzo(b)fluoranthene
Concen: 0.041 ng
RT: 22.71 min Scan# 2378
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Instrument :
BNA_N
ClientSampleId :
RE109D2-20200316

Tot Ion	Ratio	Lower	Upper
252	100		
253	43.0	19.2	28.8#
125	25.7	7.4	11.0#

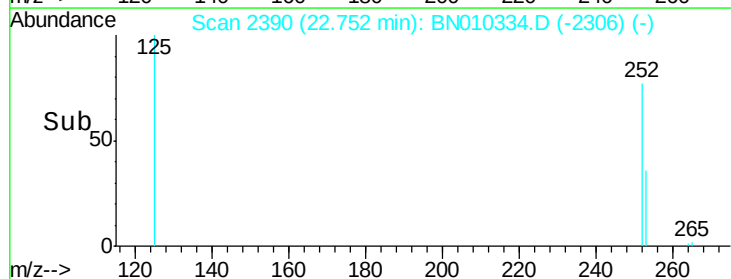
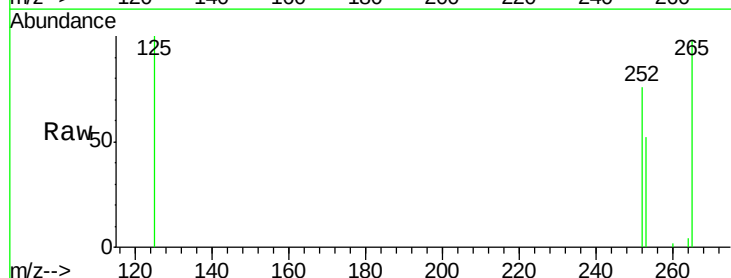
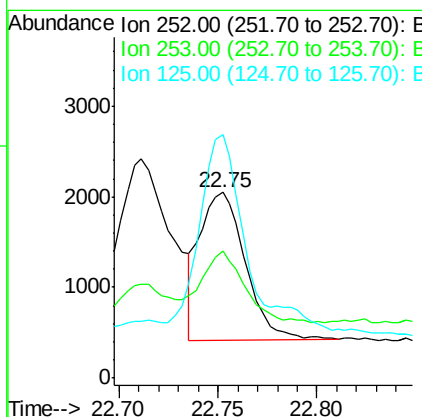
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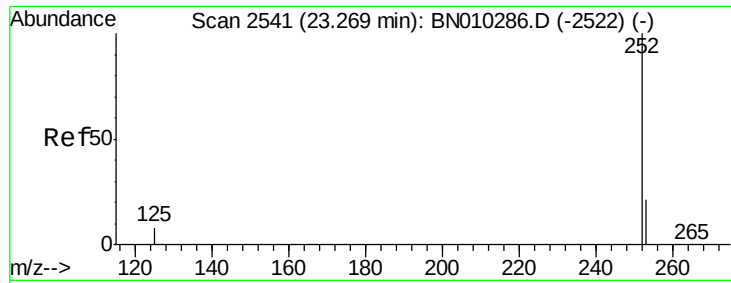
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#36
Benzo(k)fluoranthene
Concen: 0.027 ng
RT: 22.75 min Scan# 2390
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	68.3	19.4	29.0#
125	131.3	10.2	15.2#





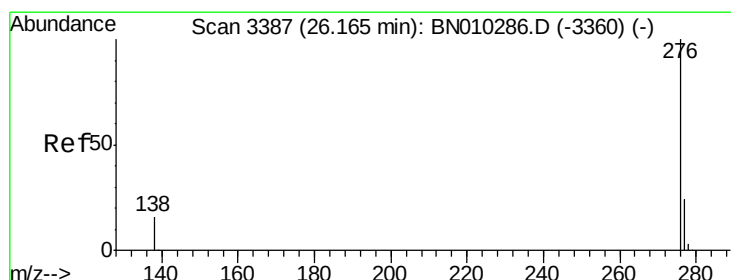
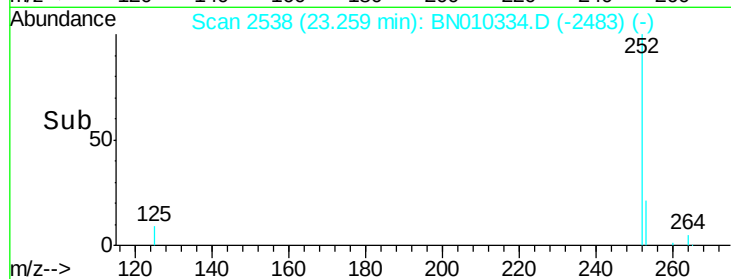
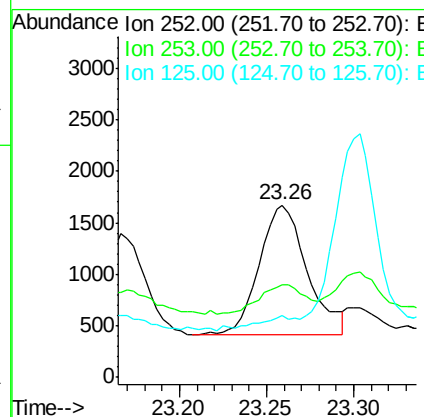
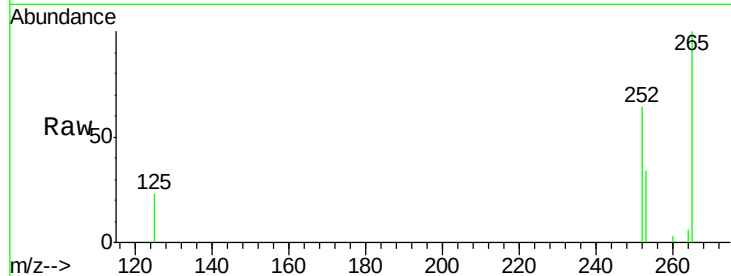
#37
Benzo(a)pyrene
Concen: 0.029 ng
RT: 23.26 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Instrument :
BNA_N
ClientSampleId :
RE109D2-20200316

Tot Ion	Ratio	Lower	Upper
252	100		
253	53.9	19.9	29.9#
125	35.6	8.9	13.3#

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#39
Benzo(g,h,i)perylene
Concen: 0.025 ng
RT: 26.15 min Scan# 3382
Delta R.T. -0.02 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.1	19.6	29.4#
138	26.5	13.3	19.9#

