

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082519\
 Data File : BN007397.D
 Acq On : 25 Aug 2019 16:02
 Operator : HP/JU
 Sample : K4496-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S600-M-1.0-1.5-082219

Manual Integrations
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 8/26/2019 3:25:13 PM

Quant Time: Aug 26 06:01:10 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	3582	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	14340	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	7755	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	17472	0.40	ng	0.00
27) Chrysene-d12	21.02	240	18098	0.40	ng	0.00
34) Perylene-d12	23.12	264	20897	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.03	112	4274	0.34	ng	0.00
5) Phenol-d6	6.59	99	5559	0.35	ng	0.00
8) Nitrobenzene-d5	8.53	82	4168	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	7904	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1416	0.35	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	9901	0.32	ng	0.00
25) Fluoranthene-d10	18.84	212	17756	0.32	ng	0.00
29) Terphenyl-d14	19.46	244	12888	0.27	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.20	128	890	0.022	ng	# 84
12) 2-Methylnaphthalene	11.83	142	657	0.024	ng	# 88
23) Phenanthrene	16.84	178	4713	0.090	ng	97
26) Fluoranthene	18.87	202	10519	0.156	ng	99
28) Pyrene	19.24	202	11799	0.162	ng	# 95
30) Benzo(a)anthracene	21.00	228	6732	0.095	ng	# 90
31) Chrysene	21.06	228	6769m	0.099	ng	
32) Bis(2-ethylhexyl)phthalate	20.97	149	4737	0.084	ng	# 98
33) Indeno(1,2,3-cd)pyrene	25.18	276	4648	0.056	ng	97
35) Benzo(b)fluoranthene	22.51	252	9149	0.121	ng	# 85
36) Benzo(k)fluoranthene	22.55	252	3423m	0.046	ng	
37) Benzo(a)pyrene	23.03	252	6332	0.088	ng	# 83
39) Benzo(a,h,i)perylene	25.81	276	5016	0.070	ng	# 86

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

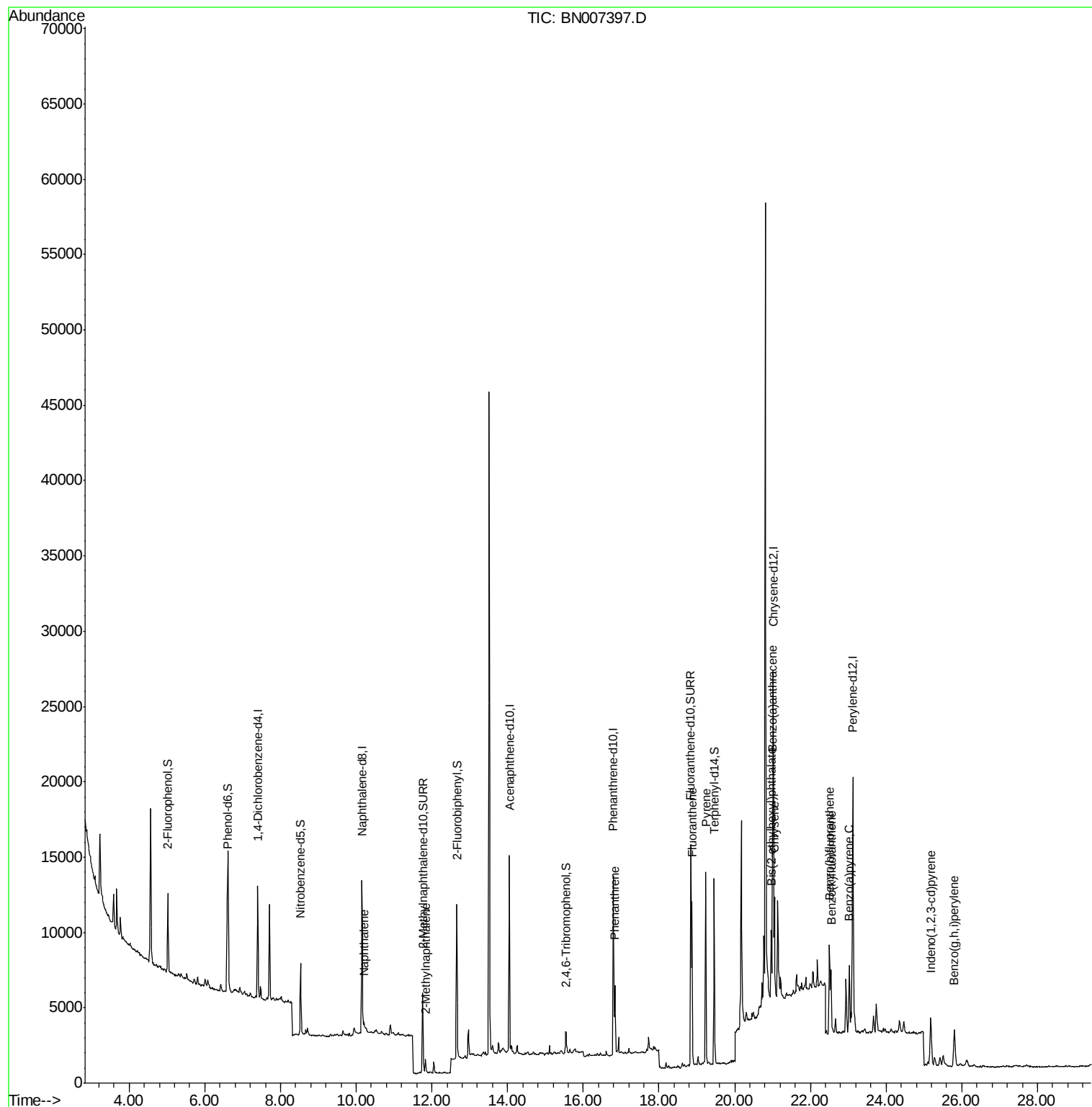
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082519\
Data File : BN007397.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

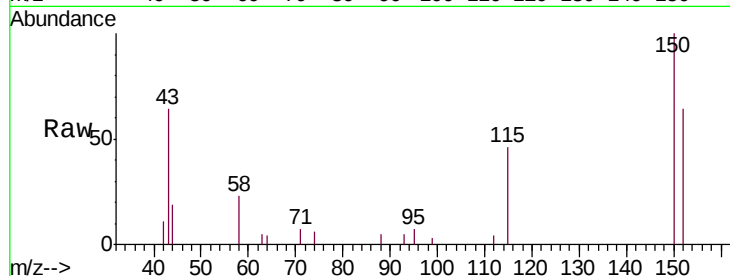
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

Instrument :
BNA_N
ClientSampleId :
S600-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	109.1	163.7
115	72.0	59.6	89.4

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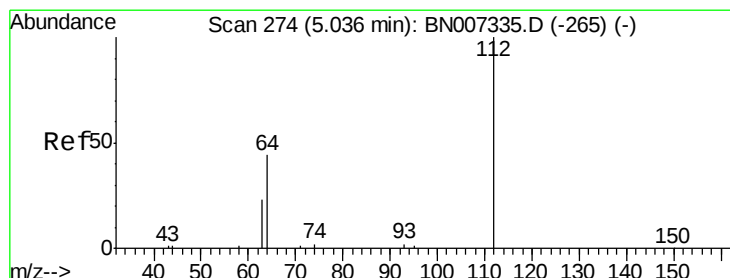
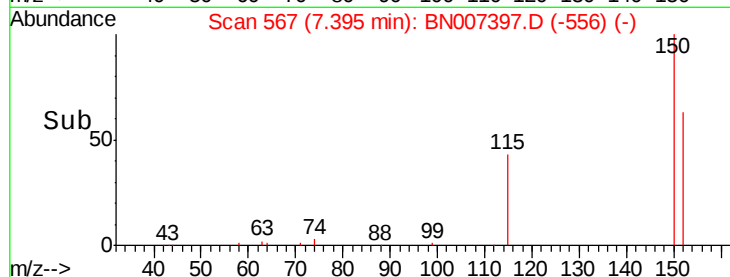
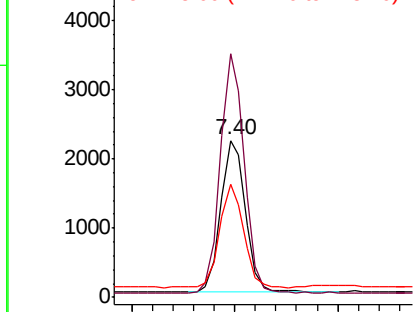


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

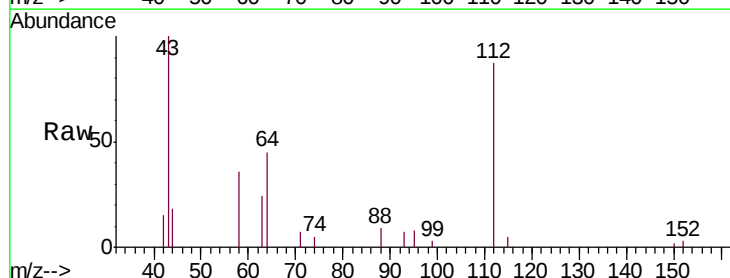
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.339 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	42.3	63.5
63	26.2	23.6	35.4

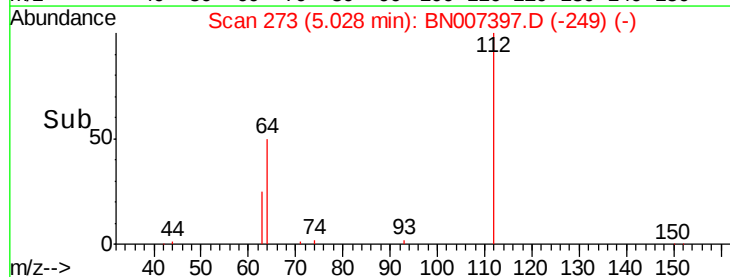
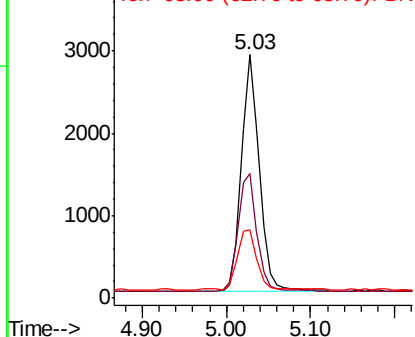


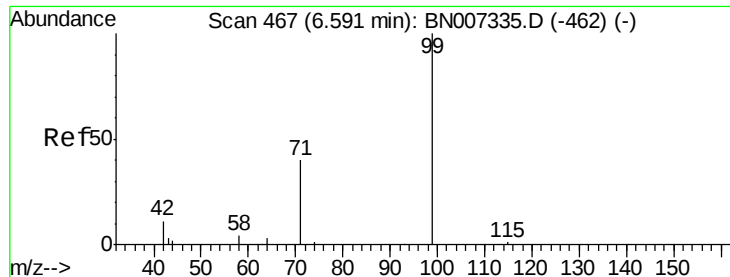
Abundance

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: 0.348 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Instrument :

BNA_N

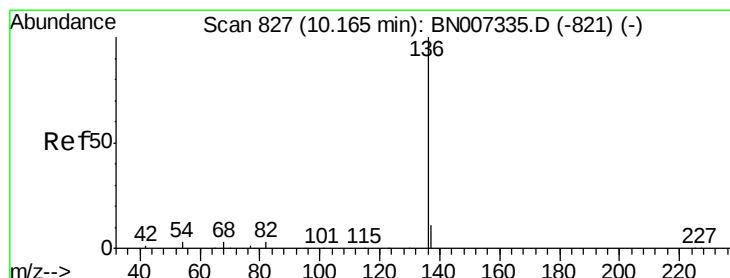
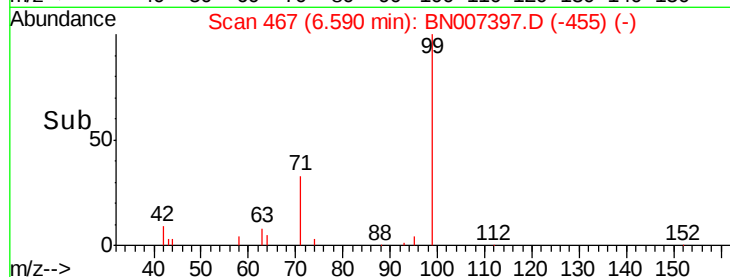
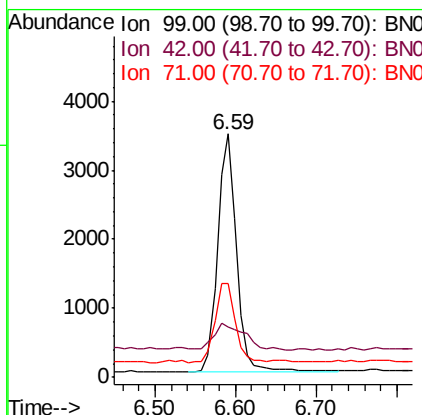
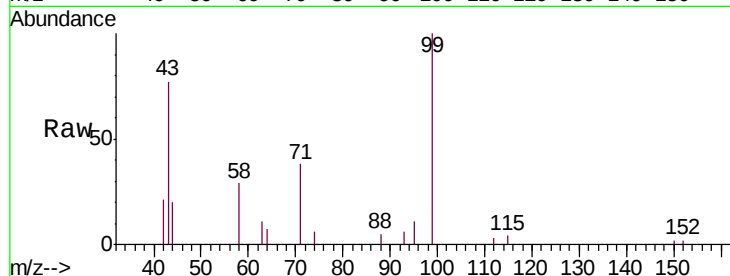
ClientSampleId :

S600-M-1.0-1.5-082219

Tot Ion:	99	Resp:	5559
Ion	Ratio	Lower	Upper
99	100		
42	17.9	11.2	16.8#
71	35.7	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

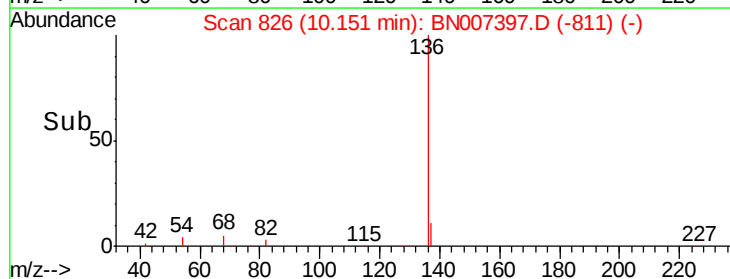
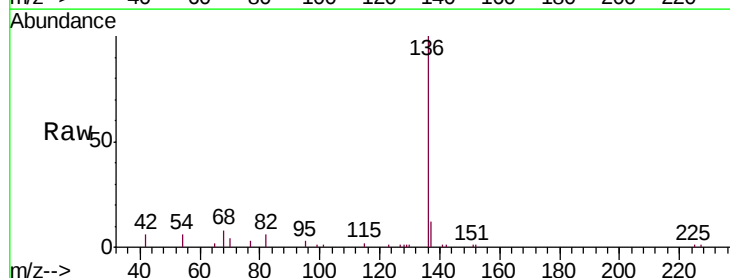
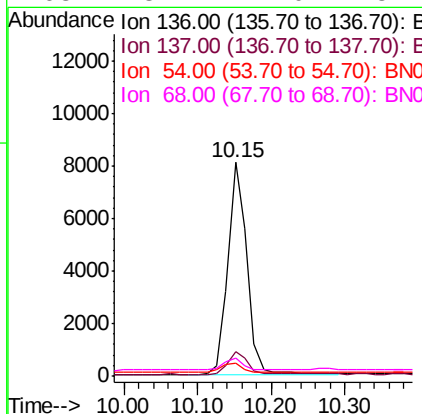
RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Tgt Ion:	136	Resp:	14340
Ion	Ratio	Lower	Upper
136	100		
137	11.5	12.9	19.3#
54	6.1	8.6	12.8#
68	8.2	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.334 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Instrument :

BNA_N

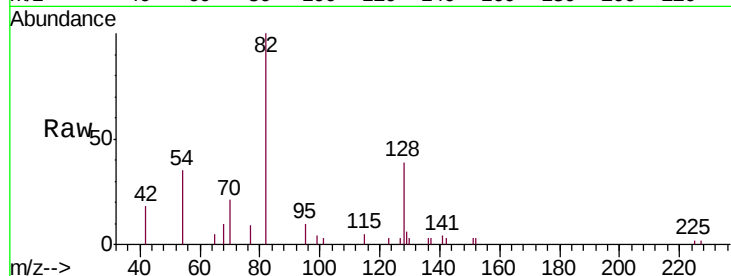
ClientSampleId :

S600-M-1.0-1.5-082219

Tot Ion:	82	Resp:	4168
Ion	Ratio	Lower	Upper
82	100		
128	39.0	19.7	29.5#
54	35.5	25.8	38.6

Manual Integrations
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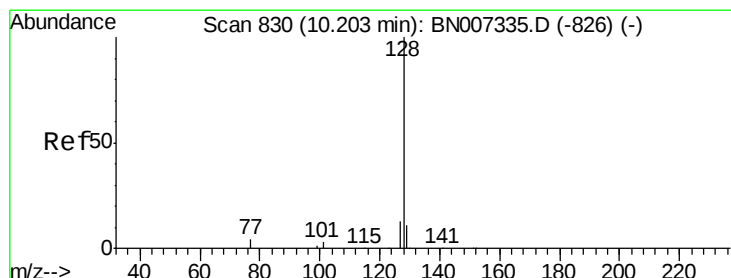
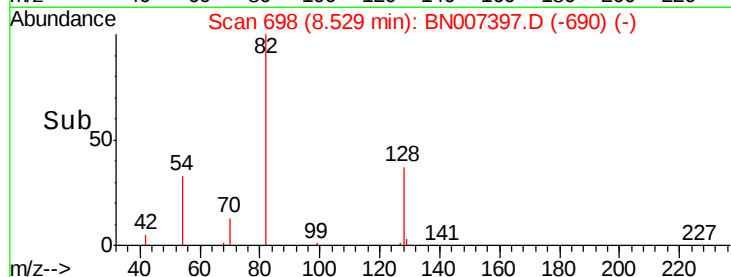
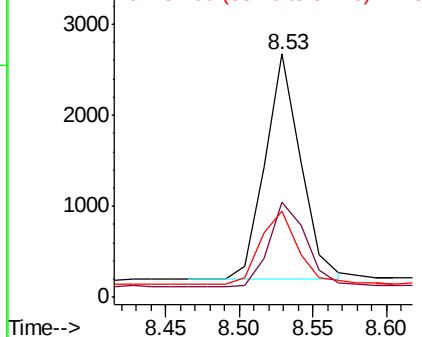
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Abundance Ion 82.00 (81.70 to 82.70): BN007335.D (-695) (-)

Ion 128.00 (127.70 to 128.70): BN007335.D (-695) (-)

Ion 54.00 (53.70 to 54.70): BN007335.D (-695) (-)



#9

Naphthalene

Concen: 0.022 ng

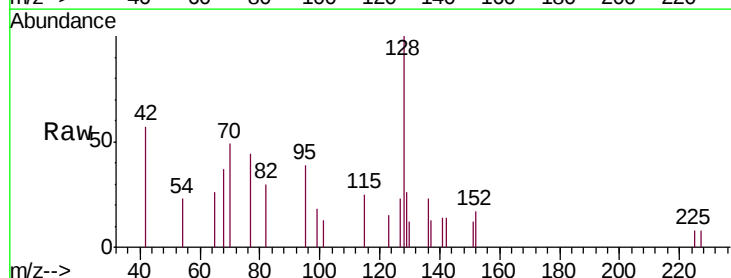
RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

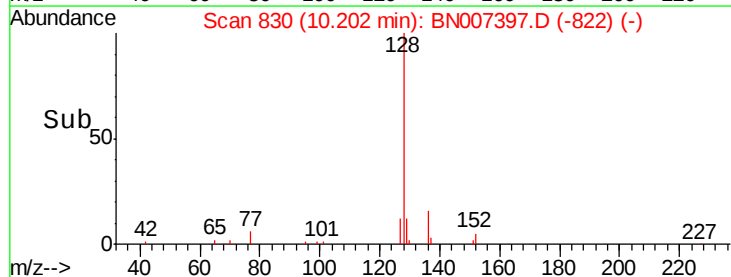
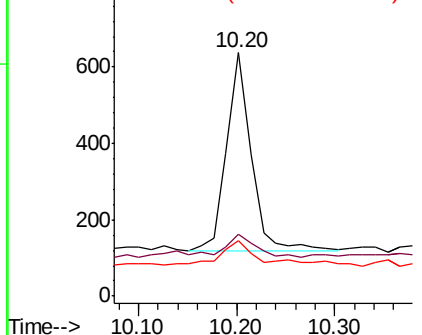
Tgt Ion:	128	Resp:	890
Ion	Ratio	Lower	Upper
128	100		
129	25.5	11.1	16.7#
127	22.7	15.5	23.3

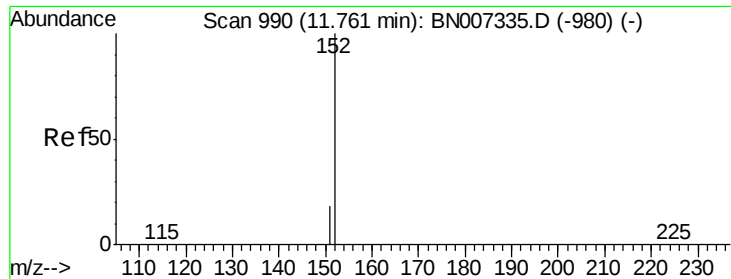


Abundance Ion 128.00 (127.70 to 128.70): BN007335.D (-826) (-)

Ion 129.00 (128.70 to 129.70): BN007335.D (-826) (-)

Ion 127.00 (126.70 to 127.70): BN007335.D (-826) (-)





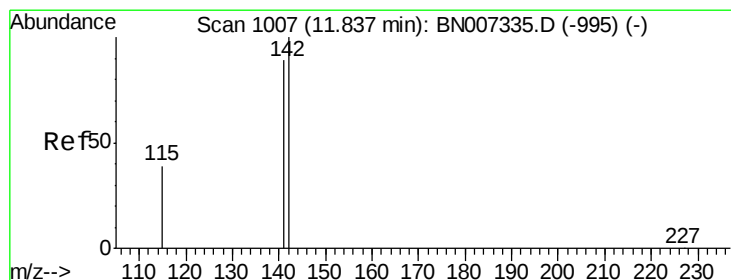
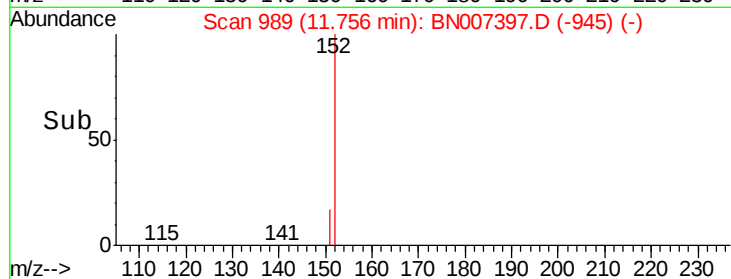
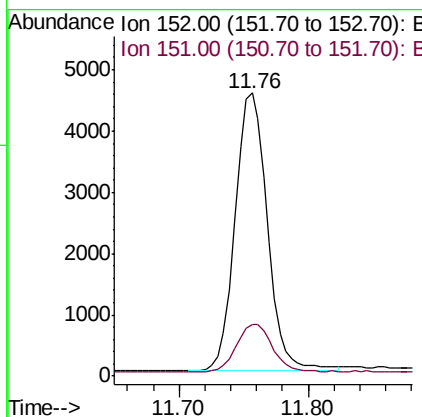
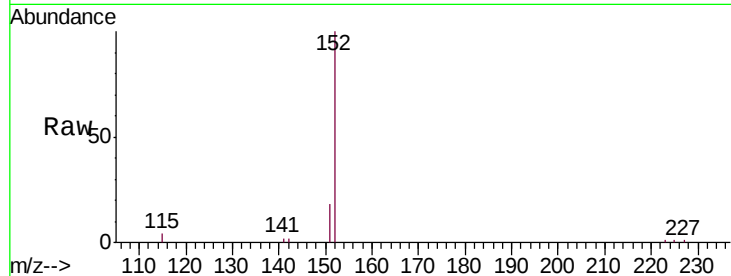
#11
 2-Methylnaphthalene-d10
 Concen: 0.332 ng
 RT: 11.76 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BN007397.D
 Acq: 25 Aug 2019 16:02

Instrument :
 BNA_N
 ClientSampleId :
 S600-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.2	24.2

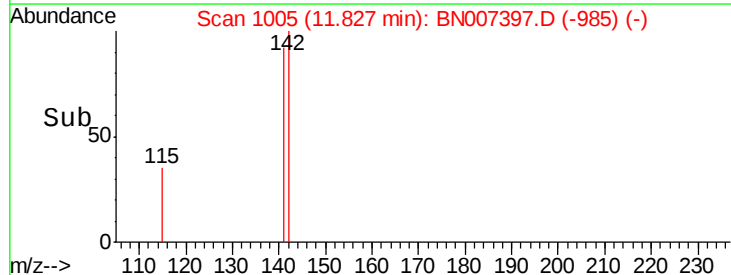
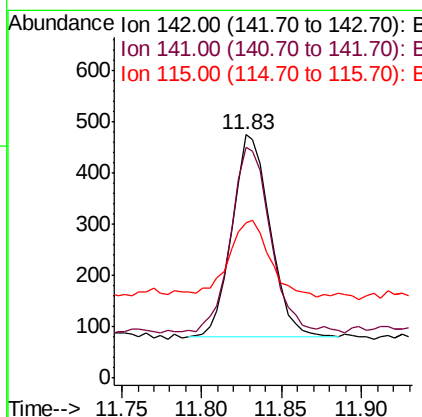
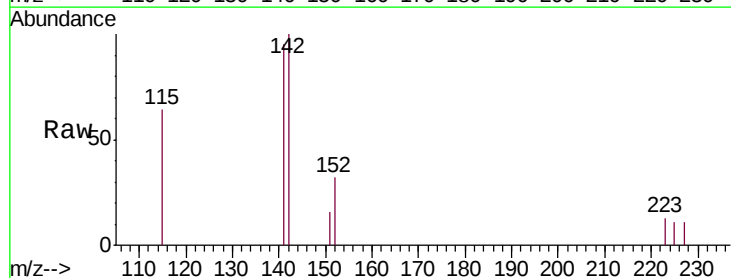
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#12
 2-Methylnaphthalene
 Concen: 0.024 ng
 RT: 11.83 min Scan# 1005
 Delta R.T. -0.01 min
 Lab File: BN007397.D
 Acq: 25 Aug 2019 16:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.5	72.8	109.2
115	63.7	35.2	52.8#





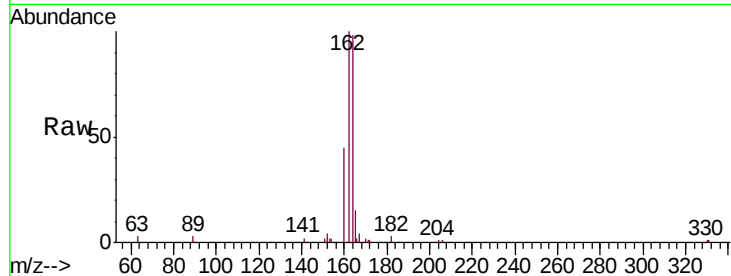
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

Instrument :
BNA_N
ClientSampleId :
S600-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	83.5	125.3
160	46.0	38.2	57.4

Manual Integrations
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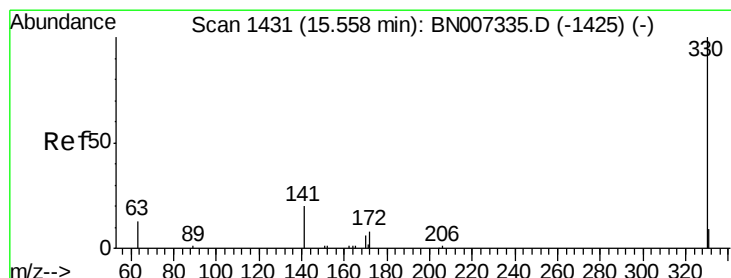
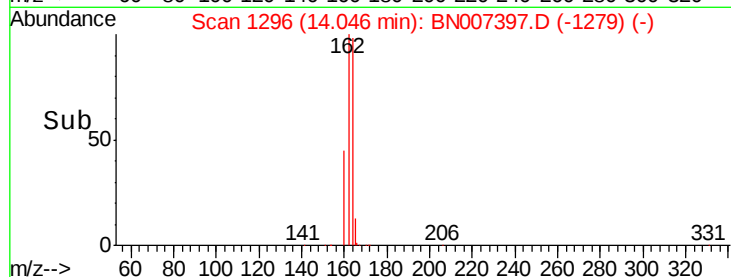
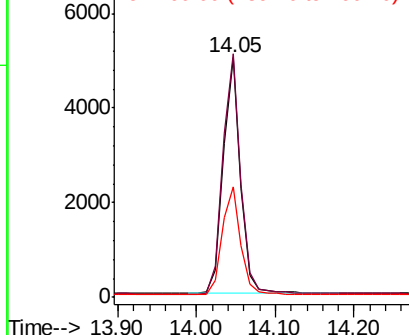


Abundance

Ion 164.00 (163.70 to 164.70): E

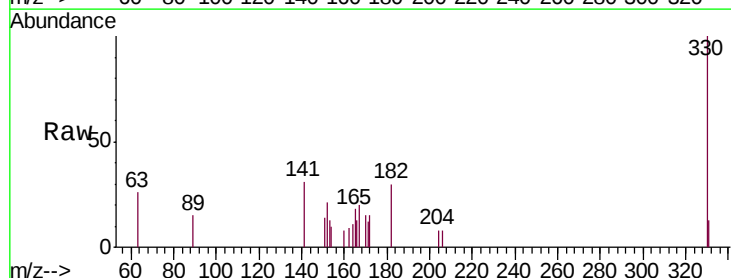
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.349 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.9	26.9	40.3

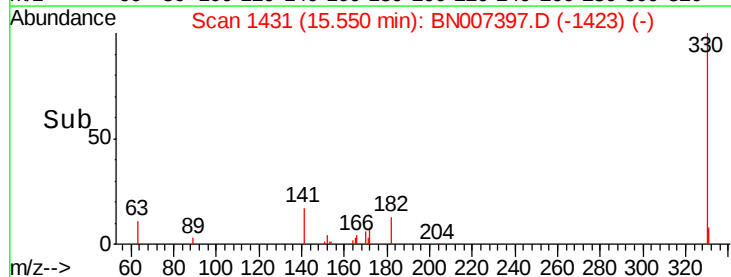
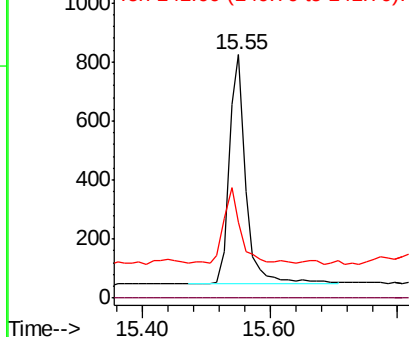


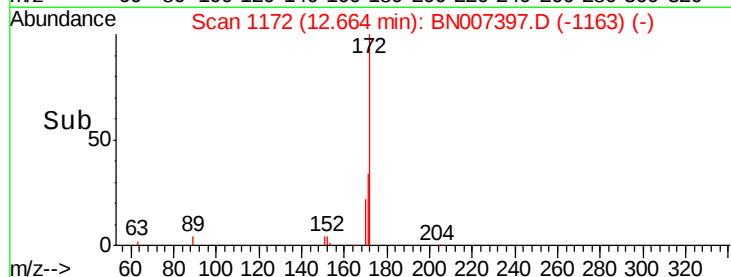
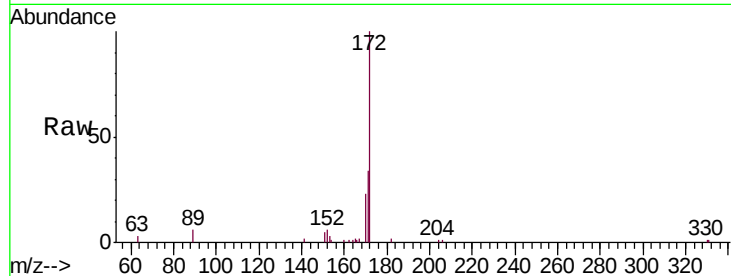
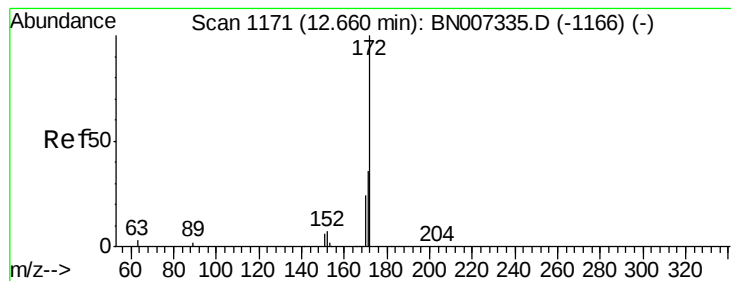
Abundance

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





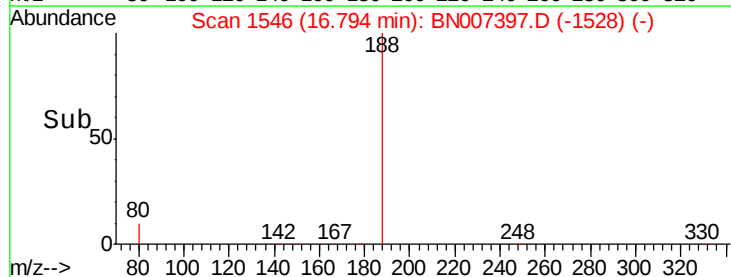
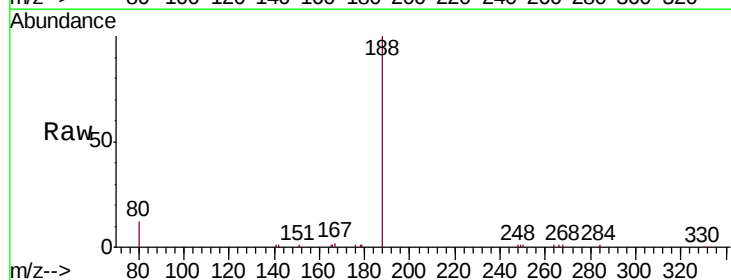
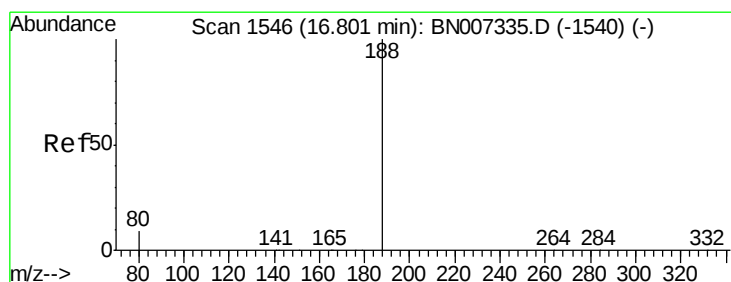
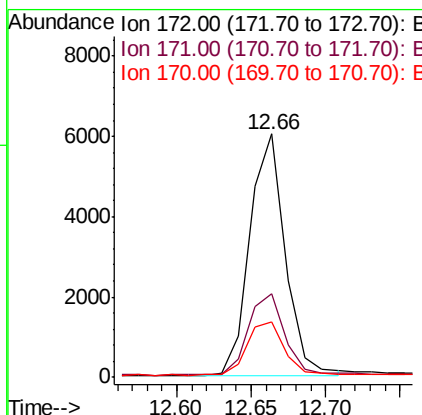
#15
2-Fluorobiphenyl
Concen: 0.317 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

Instrument :
BNA_N
ClientSampleId :
S600-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	30.3	45.5
170	22.7	20.7	31.1

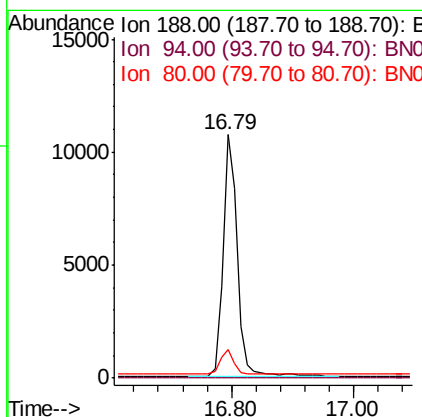
Manual Integrations
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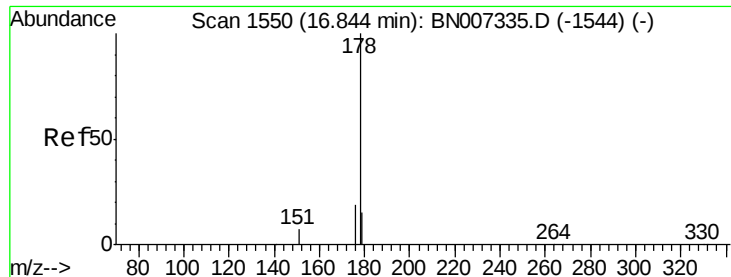
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

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





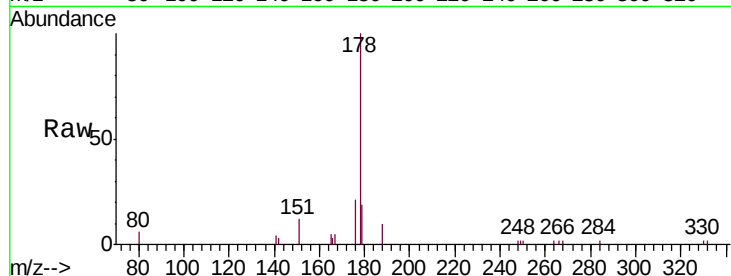
#23
Phenanthrene
Concen: 0.090 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

Instrument :
BNA_N
ClientSampleId :
S600-M-1.0-1.5-082219

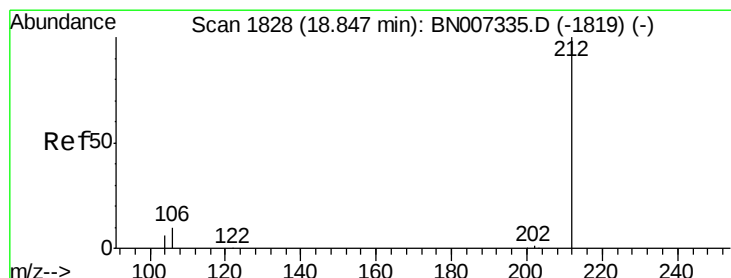
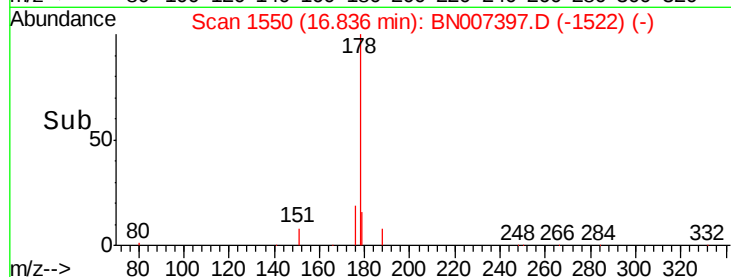
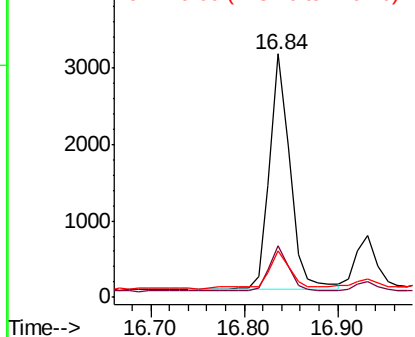
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.3	22.9
179	17.1	12.6	19.0

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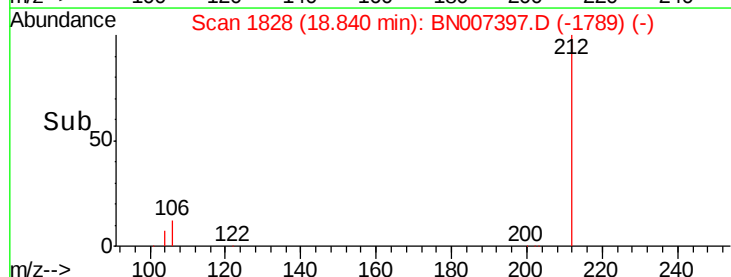
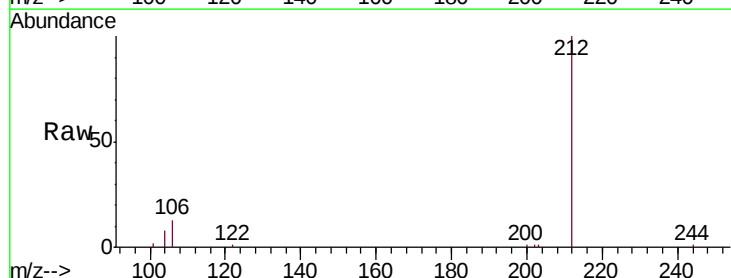
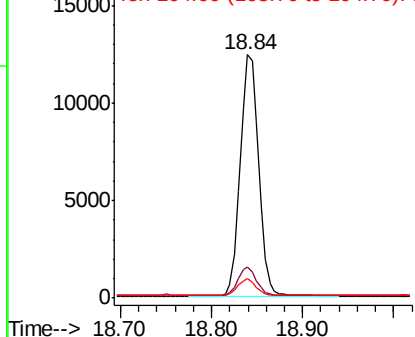
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

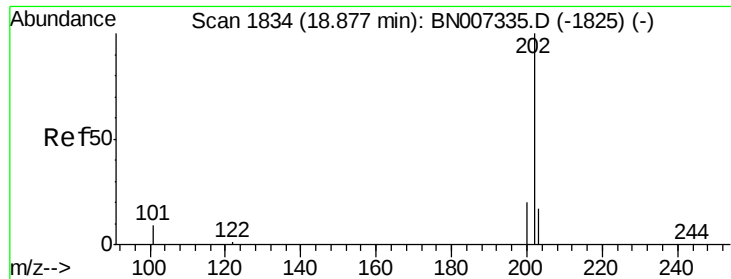


#25
Fluoranthene-d10
Concen: 0.316 ng
RT: 18.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.3	9.0	13.4
104	6.9	5.4	8.2

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





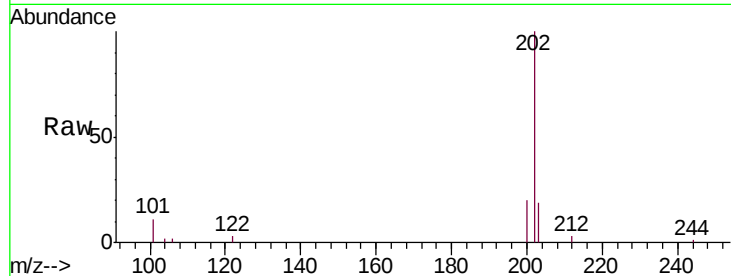
#26
Fluoranthene
 Concen: 0.156 ng
 RT: 18.87 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: BN007397.D
 Acq: 25 Aug 2019 16:02

Instrument :
 BNA_N
 ClientSampleId :
 S600-M-1.0-1.5-082219

Tot Ion	Ratio	Resp	Lower	Upper
202	100	10519		
101	10.0		7.7	11.5
203	17.5		13.7	20.5

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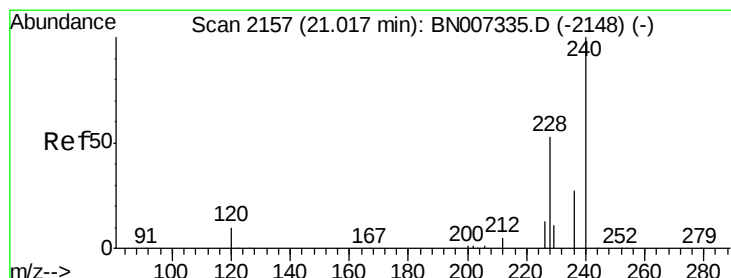
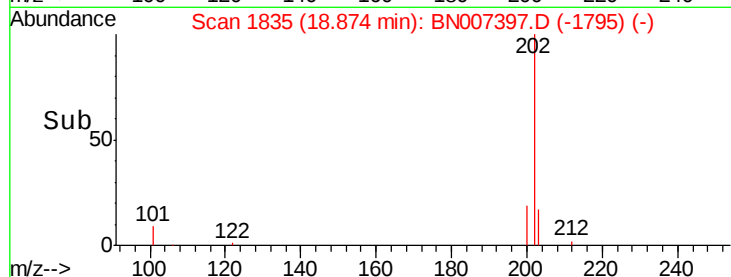
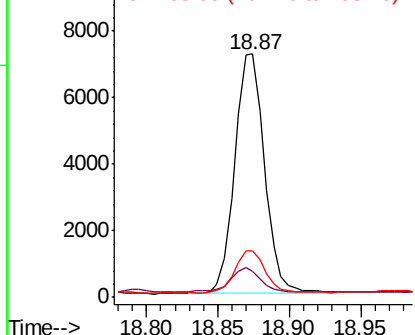


Abundance

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: 21.02 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BN007397.D
 Acq: 25 Aug 2019 16:02

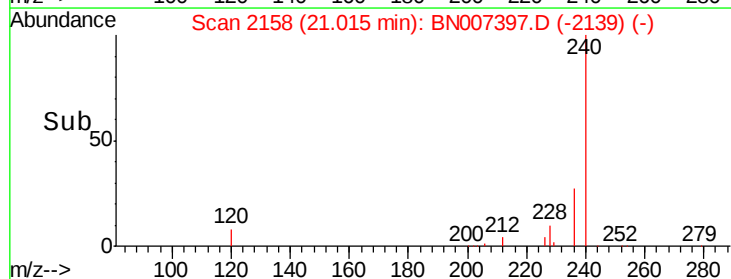
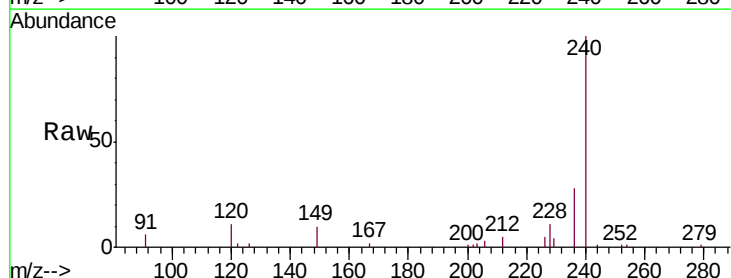
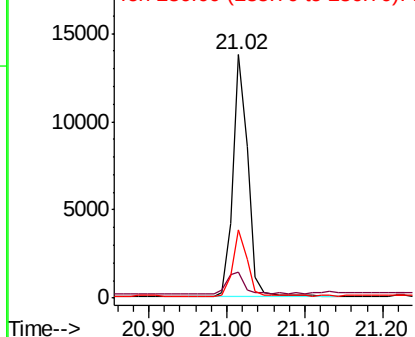
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	18098		
120	10.5		9.6	14.4
236	28.2		22.2	33.2

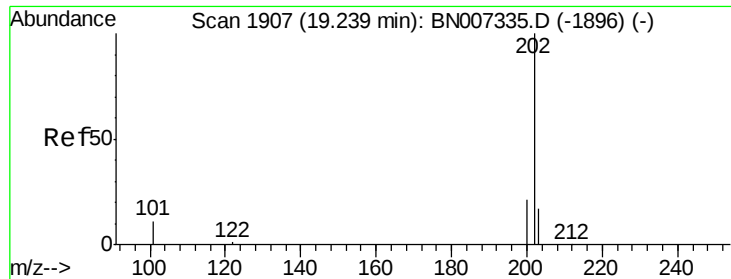
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





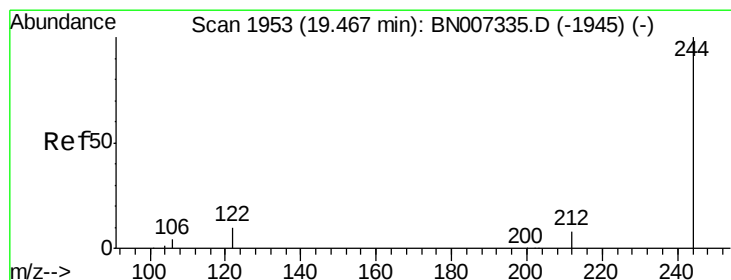
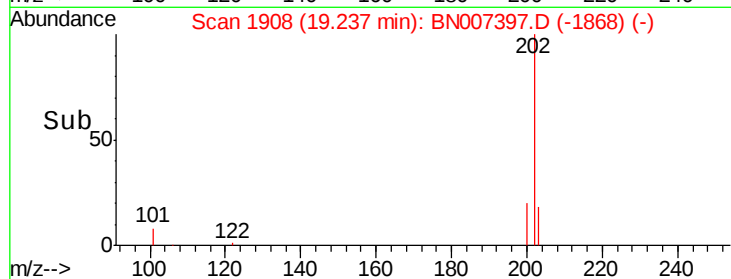
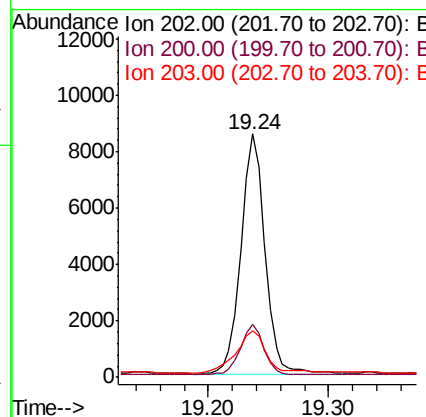
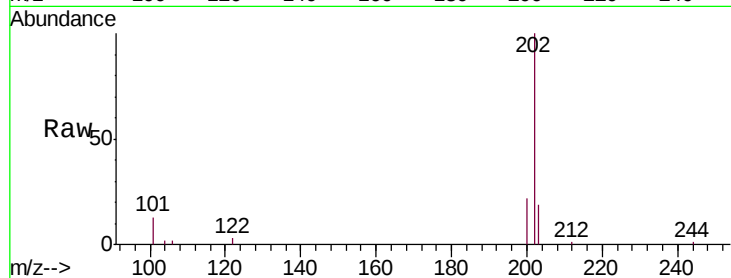
#28
Pvrene
Concen: 0.162 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

Instrument :
BNA_N
ClientSampleId :
S600-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	22.1	14.2	21.4

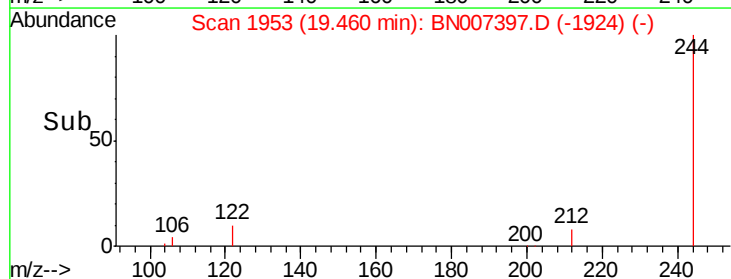
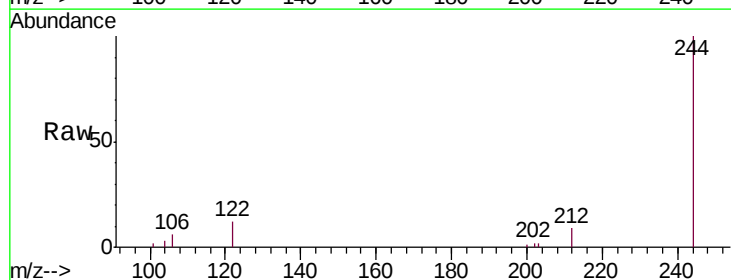
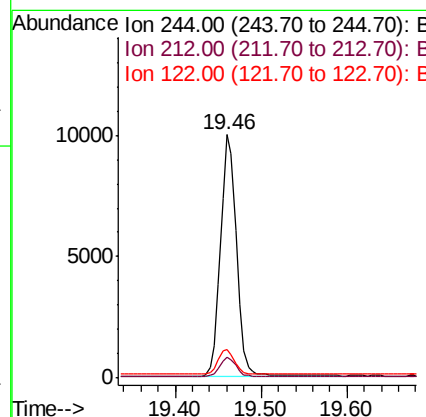
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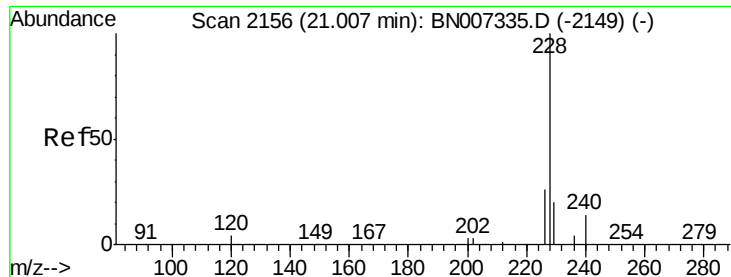
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#29
Terphenyl-d14
Concen: 0.272 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.0	10.6
122	11.8	9.6	14.4





#30

Benzo(a)anthracene

Concen: 0.095 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Instrument :

BNA_N

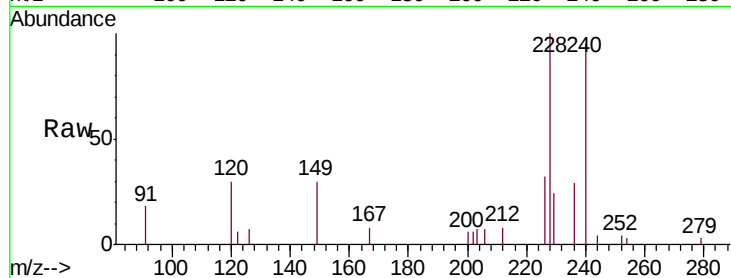
ClientSampleId :

S600-M-1.0-1.5-082219

Tot Ion:	228	Resp:	6732
Ion	Ratio	Lower	Upper
228	100		
226	31.6	21.3	31.9
229	24.3	16.1	24.1

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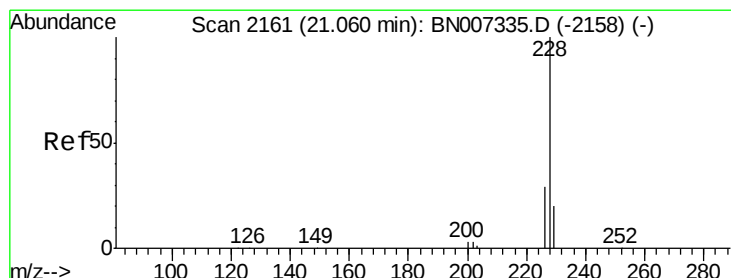
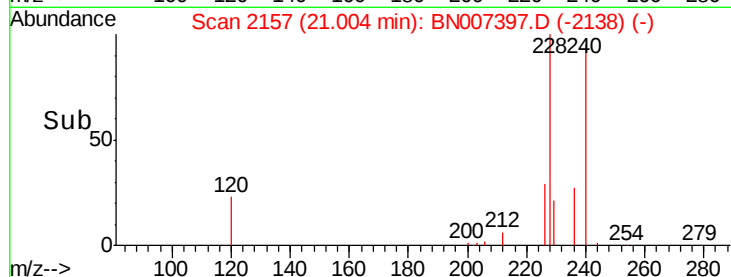
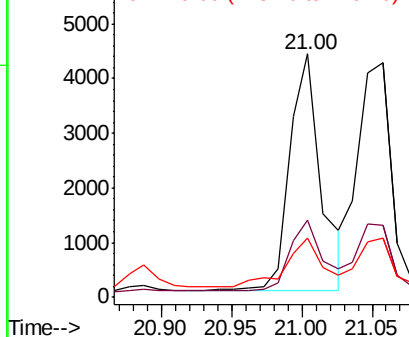


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.099 ng m

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

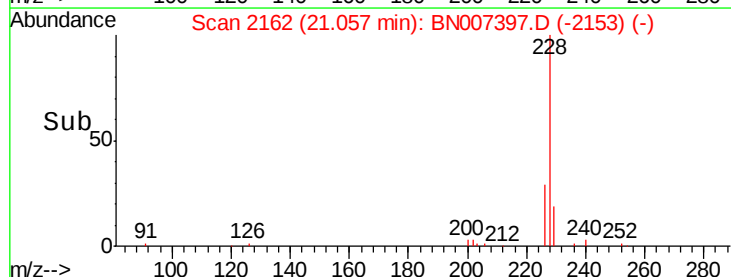
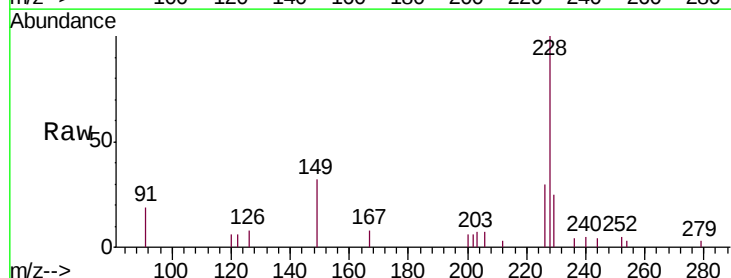
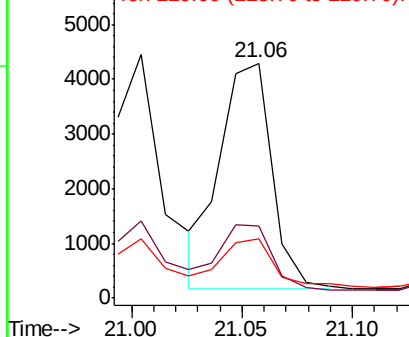
Tgt Ion:	228	Resp:	6769
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.5	35.3
229	25.1	16.6	24.8

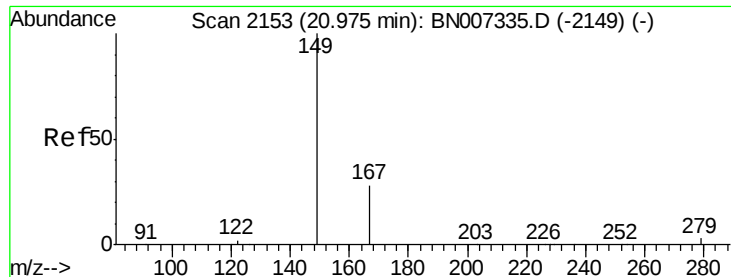
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





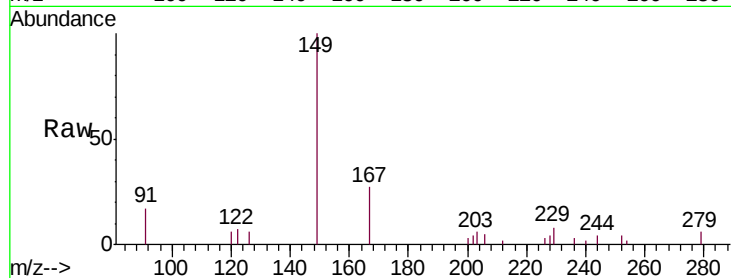
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.084 ng
 RT: 20.97 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: BN007397.D
 Acq: 25 Aug 2019 16:02

Instrument :
 BNA_N
 ClientSampleId :
 S600-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.3	22.8	34.2
279	5.4	3.5	5.3

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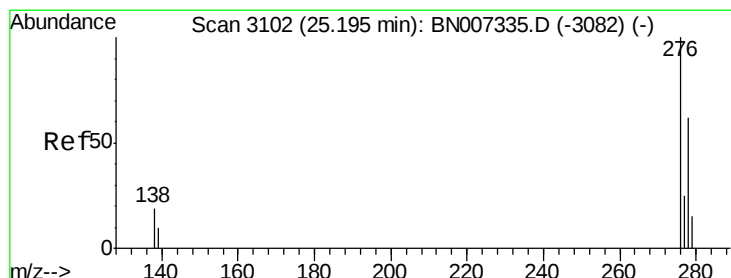
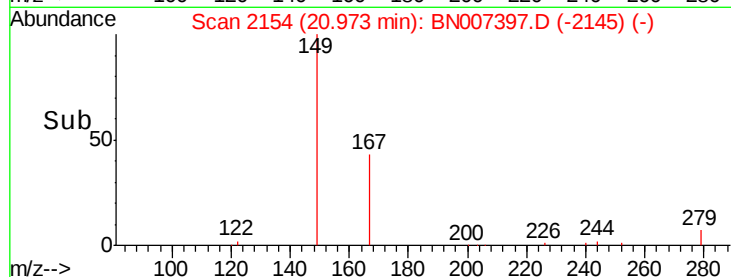
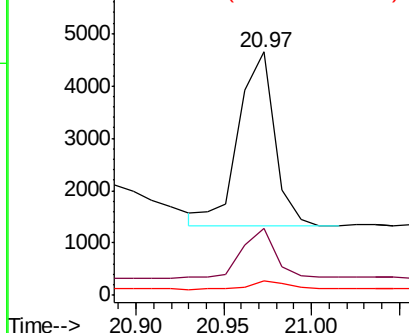


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.056 ng
 RT: 25.18 min Scan# 3099
 Delta R.T. -0.02 min
 Lab File: BN007397.D
 Acq: 25 Aug 2019 16:02

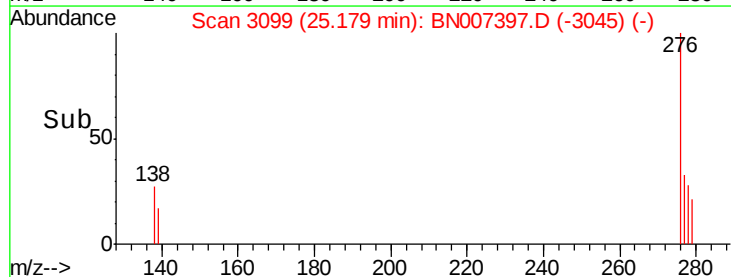
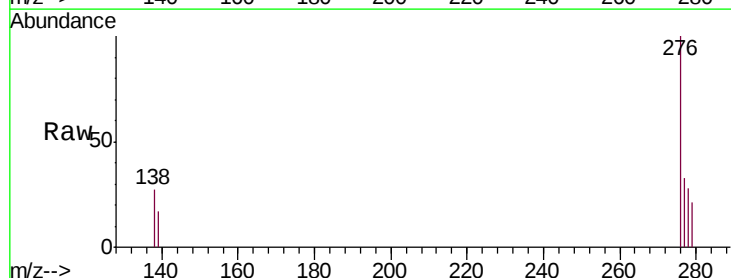
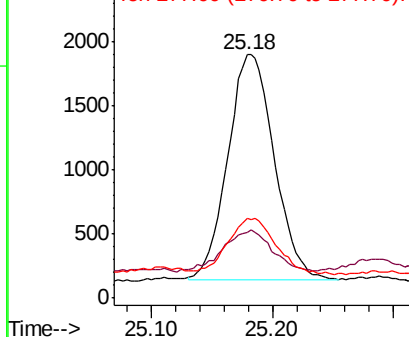
Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.5	15.1	22.7
277	26.1	19.7	29.5

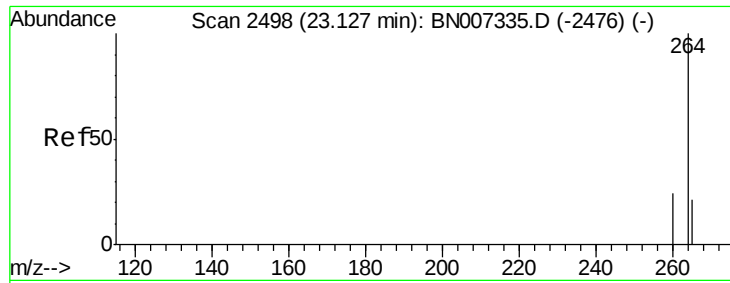
Abundance

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





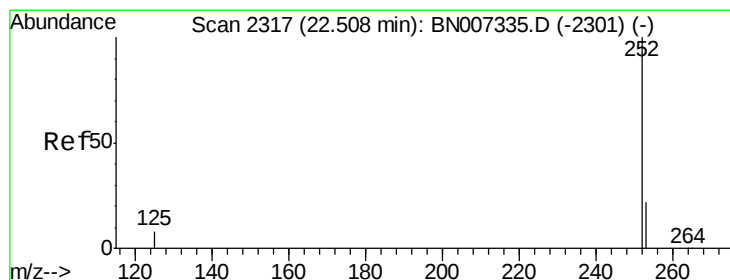
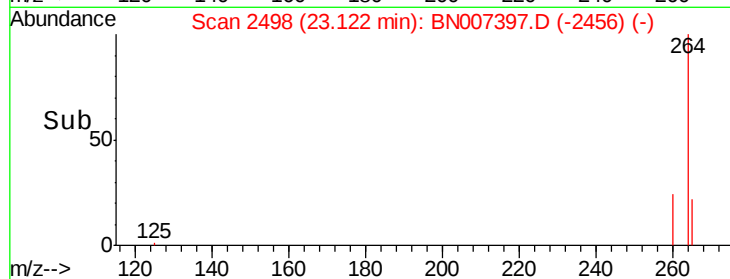
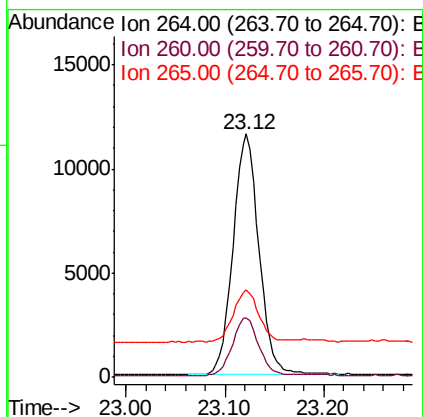
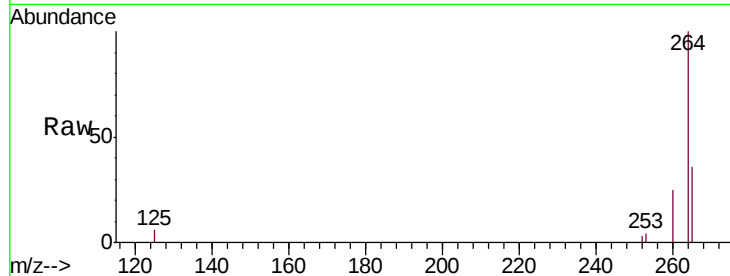
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.12 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BN007397.D
 Acq: 25 Aug 2019 16:02

Instrument :
 BNA_N
 ClientSampleId :
 S600-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	35.9	29.9	44.9

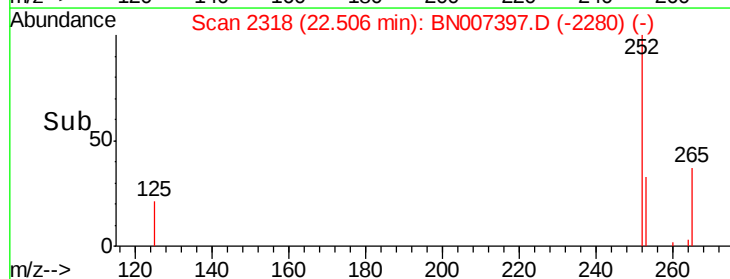
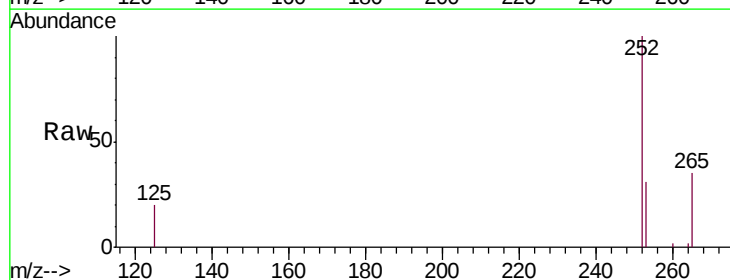
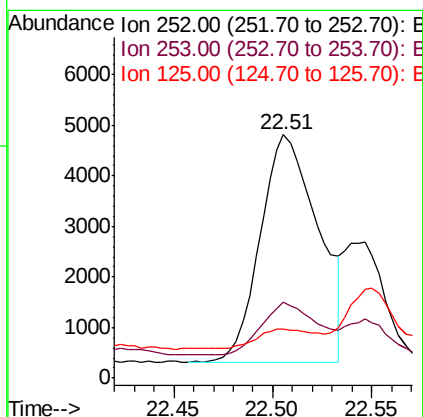
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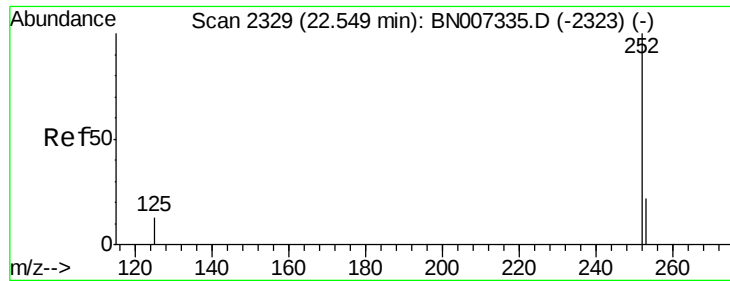
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#35
 Benzo(b)fluoranthene
 Concen: 0.121 ng
 RT: 22.51 min Scan# 2318
 Delta R.T. -0.00 min
 Lab File: BN007397.D
 Acq: 25 Aug 2019 16:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.0	19.2	28.8#
125	20.1	10.6	16.0#





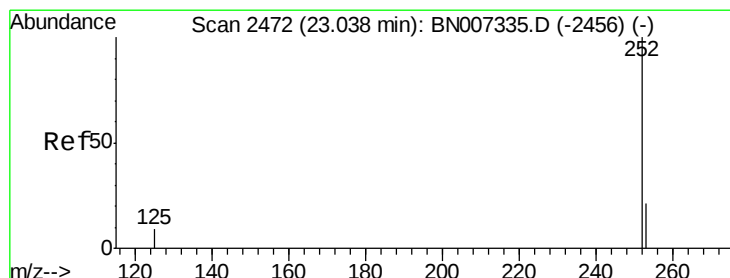
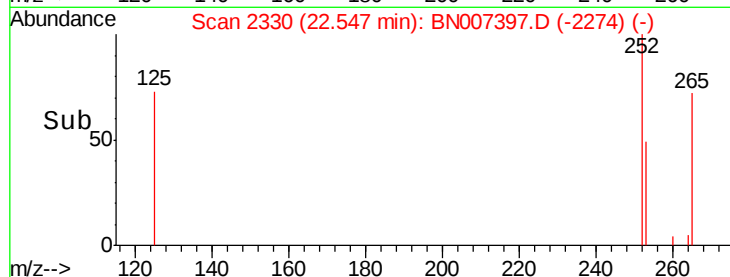
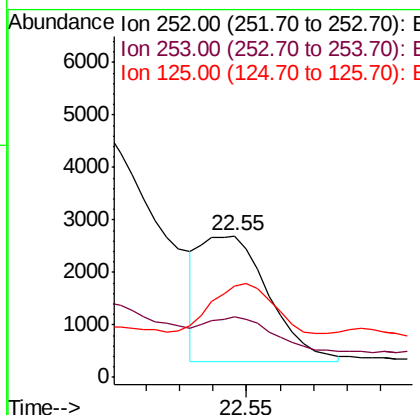
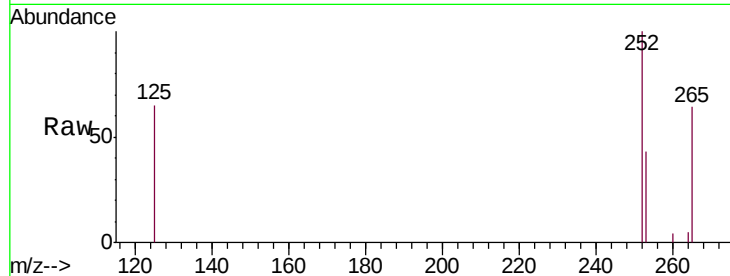
#36
Benzo(k)fluoranthene
Concen: 0.046 ng m
RT: 22.55 min Scan# 2330
Delta R.T. -0.00 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

Instrument :
BNA_N
ClientSampleId :
S600-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
252	100		
253	43.1	19.4	29.2#
125	64.7	13.1	19.7#

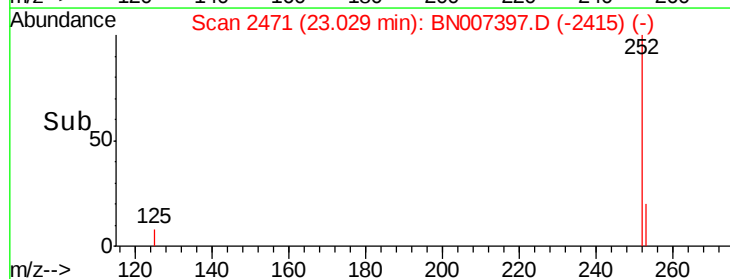
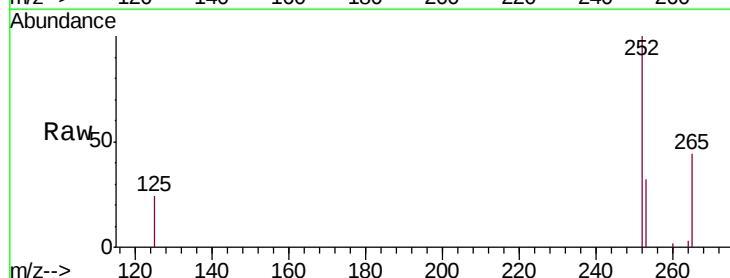
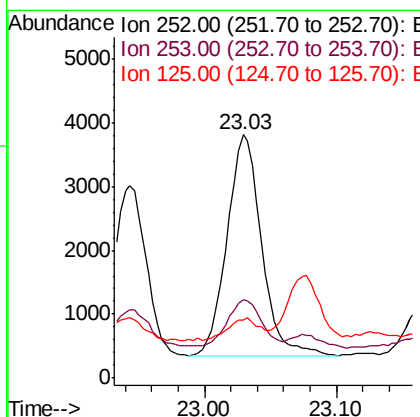
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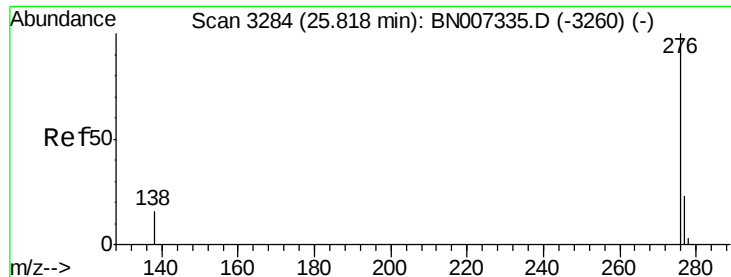
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#37
Benzo(a)pyrene
Concen: 0.088 ng
RT: 23.03 min Scan# 2471
Delta R.T. -0.01 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.2	19.5	29.3#
125	23.6	12.1	18.1#





#39

Benzo(a,h,i)perylene

Concen: 0.070 ng

RT: 25.81 min Scan# 3283

Delta R.T. -0.01 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219

Tot Ion:	276	Resp:	5016
Ion Ratio	Lower	Upper	
276	100		
277	31.4	19.6	29.4#
138	26.4	16.3	24.5#

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