

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\
 Data File : BN009016.D
 Acq On : 17 Dec 2019 16:38
 Operator : JU
 Sample : K6239-05DL 50X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BE-211-COMP-SDL

Manual Integrations
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 12/18/2019 2:41:42 PM

Quant Time: Dec 18 14:33:53 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Dec 09 17:02:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2997	0.40	ng	-0.02
7) Naphthalene-d8	10.29	136	14119	0.40	ng	-0.03
13) Acenaphthene-d10	14.16	164	10641	0.40	ng	-0.02
19) Phenanthrene-d10	16.92	188	23613	0.40	ng	-0.01
27) Chrysene-d12	21.12	240	22118	0.40	ng	0.00
34) Perylene-d12	23.28	264	22940	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.18	112	102	0.01	ng	-0.02
5) Phenol-d6	0.00	99	0d	0.00	ng	
8) Nitrobenzene-d5	0.00	82	0d	0.00	ng	
11) 2-Methylnaphthalene-d10	11.89	152	168	0.01	ng	-0.02
14) 2,4,6-Tribromophenol	15.67	330	62	0.01	ng	-0.02
15) 2-Fluorobiphenyl	12.78	172	384	0.01	ng	-0.03
25) Fluoranthene-d10	18.96	212	404	0.01	ng	-0.01
29) Terphenyl-d14	19.57	244	842	0.02	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.34	128	723180	18.777	ng	98
12) 2-Methylnaphthalene	11.96	142	133433	4.650	ng	99
16) Acenaphthylene	13.89	152	16818	0.346	ng	# 84
17) Acenaphthene	14.23	154	143774	4.449	ng	98
18) Fluorene	15.22	166	200533	4.614	ng	100
23) Phenanthrene	16.96	178	926756	12.470	ng	100
24) Anthracene	17.05	178	219912	3.360	ng	97
26) Fluoranthene	18.99	202	665139	7.521	ng	99
28) Pyrene	19.35	202	472342	6.095	ng	# 94
30) Benzo(a)anthracene	21.11	228	170359	2.172	ng	96
31) Chrysene	21.17	228	140915m	1.734	ng	
32) Bis(2-ethylhexyl)phthalate	21.07	149	12502	0.340	ng	97
33) Indeno(1,2,3-cd)pyrene	25.38	276	36605	0.425	ng	96
35) Benzo(b)fluoranthene	22.64	252	134942	1.643	ng	# 89
36) Benzo(k)fluoranthene	22.69	252	47354m	0.573	ng	
37) Benzo(a)pyrene	23.19	252	73154	0.992	ng	# 86
38) Dibenzo(a,h)anthracene	25.39	278	10547	0.152	ng	# 39
39) Benzo(a,h,i)perylene	26.02	276	30395	0.445	ng	# 91

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

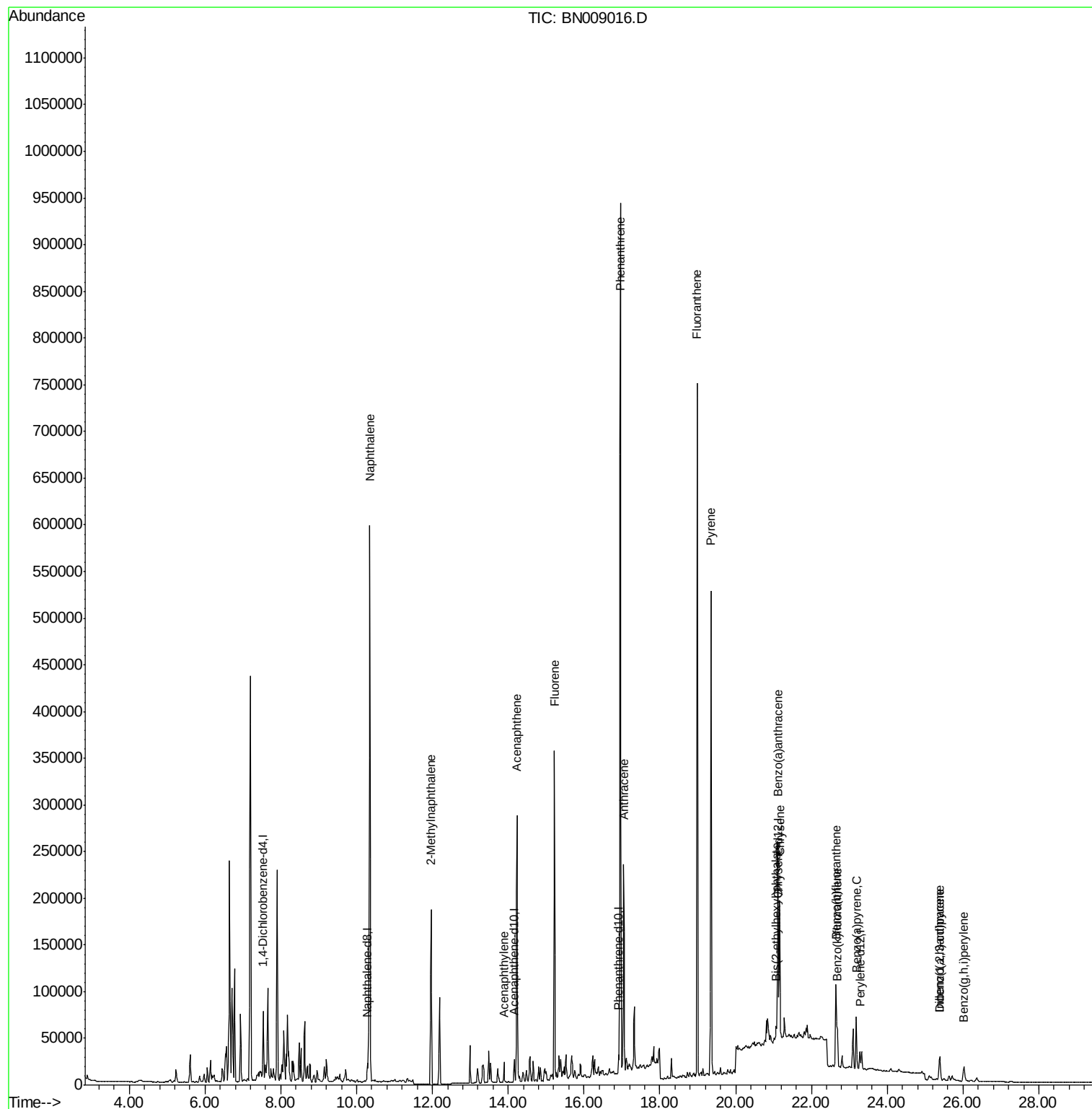
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\
Data File : BN009016.D
Acq On : 17 Dec 2019 16:38
Operator : JU
Sample : K6239-05DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

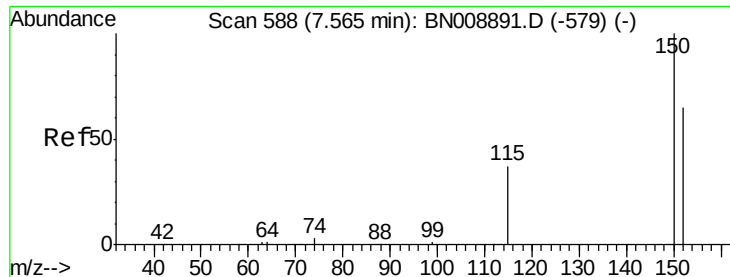
Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL

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Quant Time: Dec 18 14:33:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 09 17:02:53 2019
Response via : Initial Calibration





#1

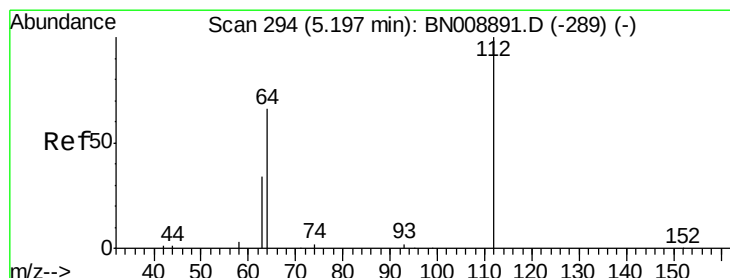
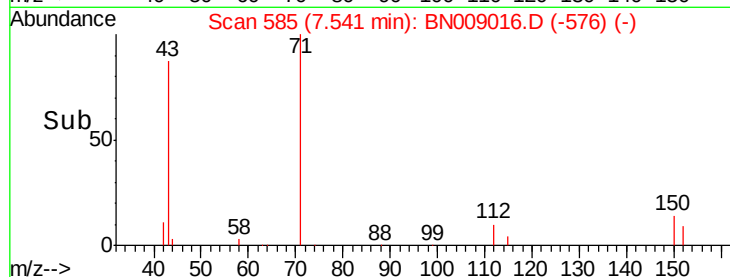
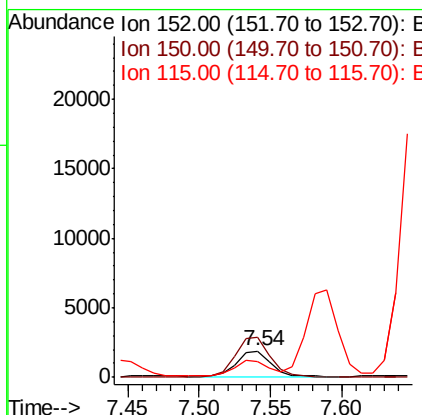
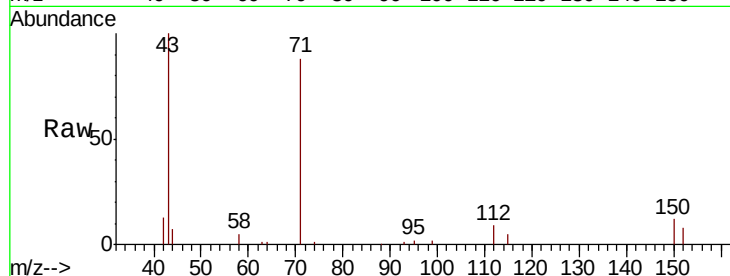
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. -0.02 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.4	122.3	183.5
115	60.9	48.4	72.6

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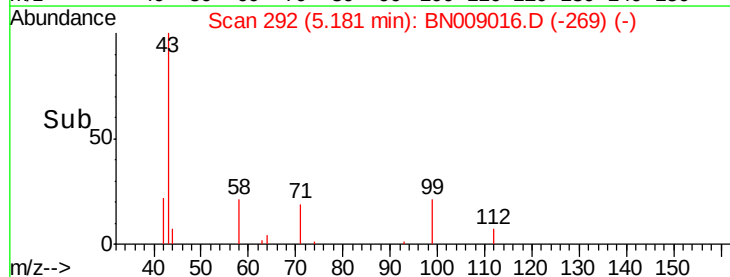
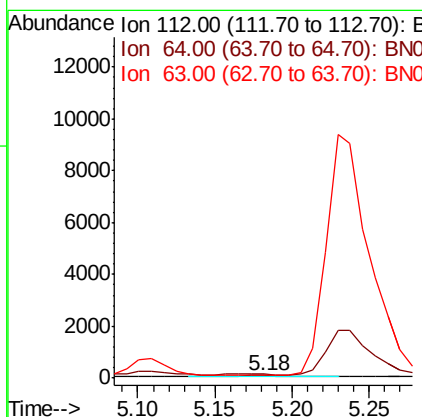
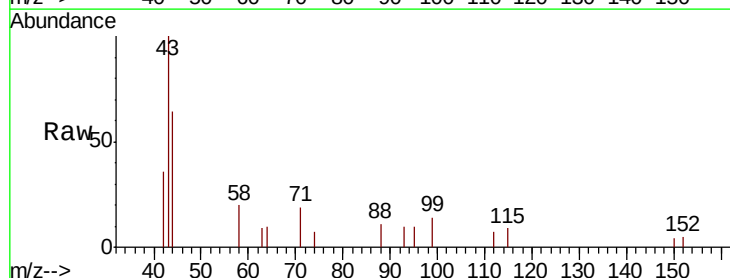
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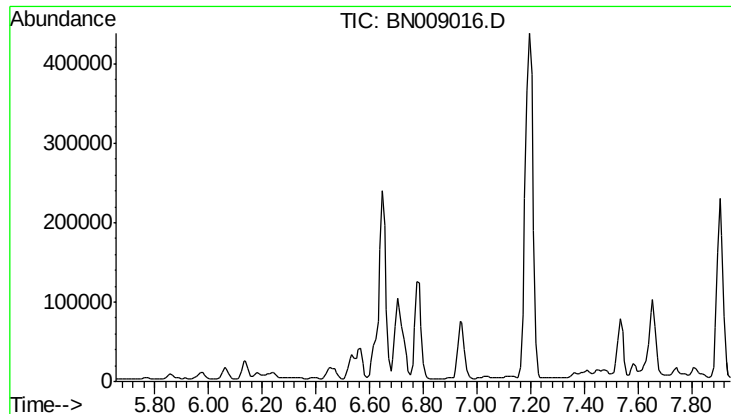


#4

2-Fluorophenol
Concen: 0.013 ng
RT: 5.18 min Scan# 292
Delta R.T. -0.02 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	57.7	86.5#
63	0.0	29.6	44.4#





#5

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.75 min

Lab File: BN009016.D

Acq: 17 Dec 2019 16:38

Tot Ion: 99

Sig Exp Ratio

99 100

42 25.1

71 35.2

Instrument :

BNA_N

ClientSampleId :

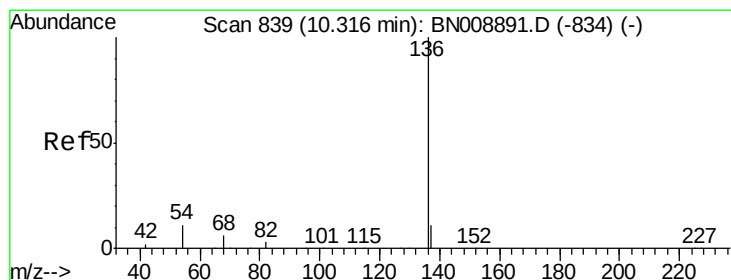
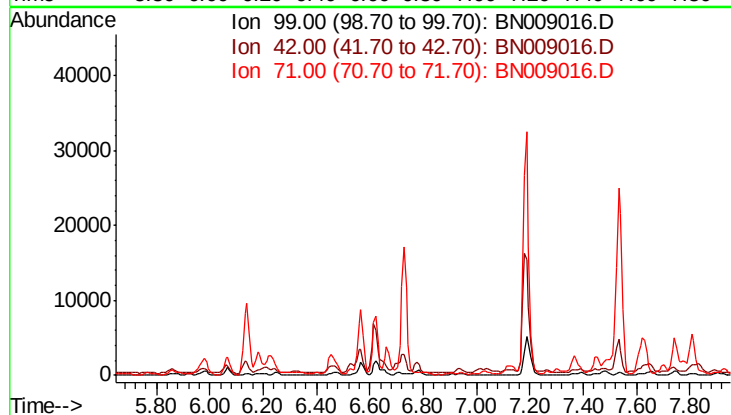
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#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.03 min

Lab File: BN009016.D

Acq: 17 Dec 2019 16:38

Tgt Ion:136 Resp: 14119

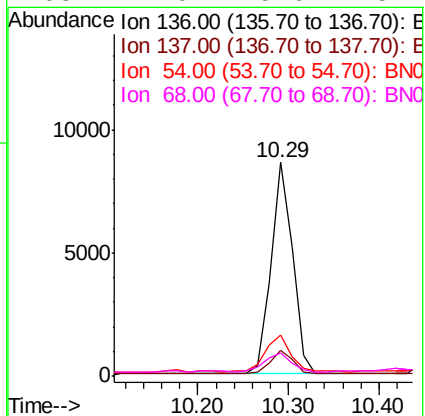
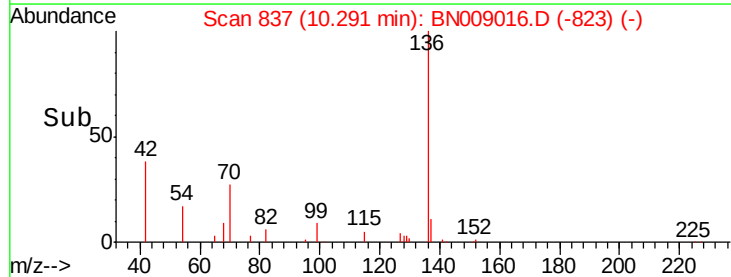
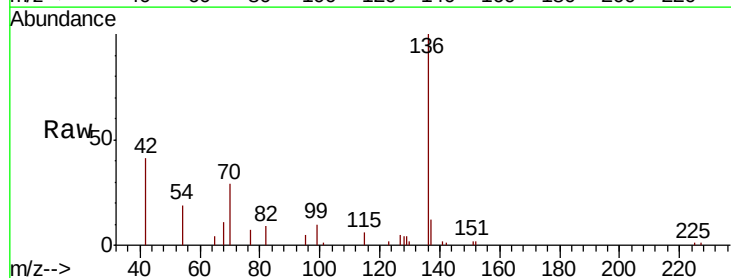
Ion Ratio Lower Upper

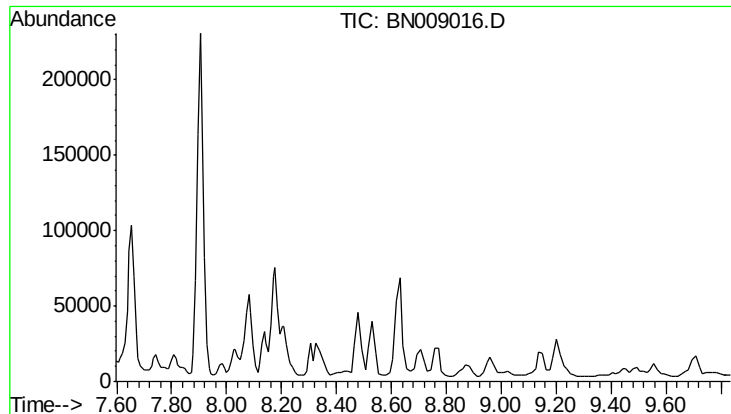
136 100

137 12.0 9.2 13.8

54 18.9 9.6 14.4#

68 11.0 5.6 8.4#





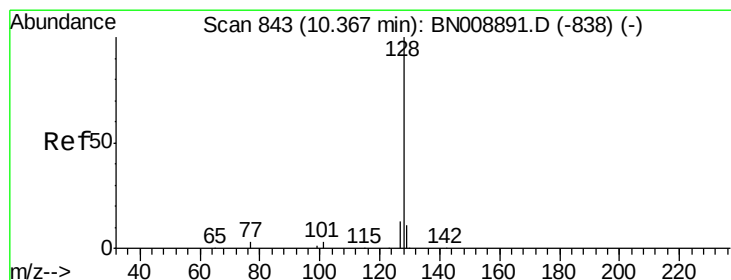
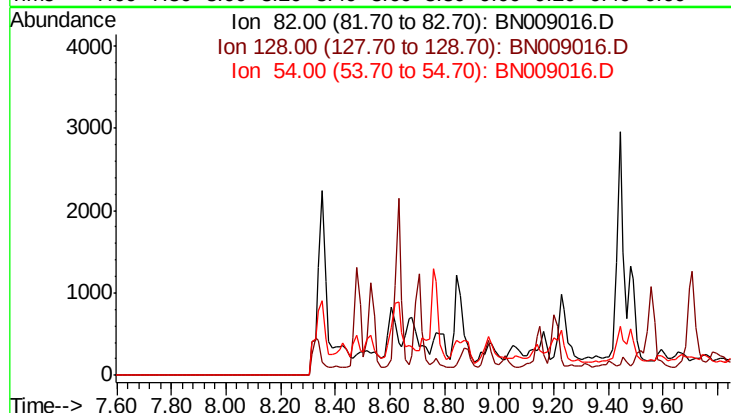
#8
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 8.69 min
 Lab File: BN009016.D
 Acq: 17 Dec 2019 16:38

Instrument :
 BNA_N
 ClientSampleId :
 BE-211-COMP-SDL

Tot Ion	82
Sig	Exp Ratio
82	100
128	36.4
54	74.6

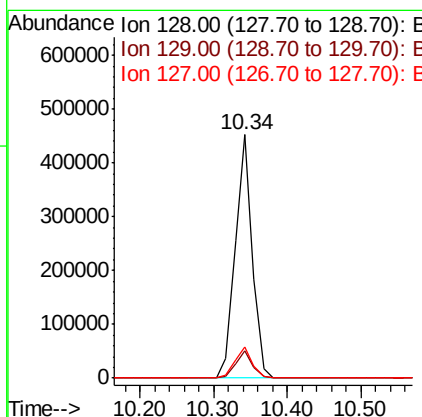
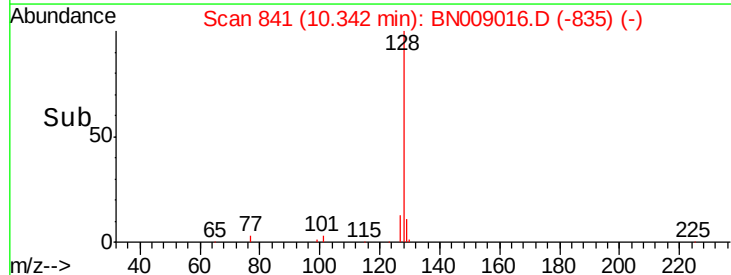
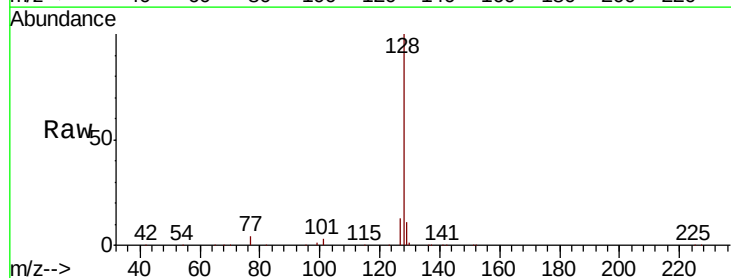
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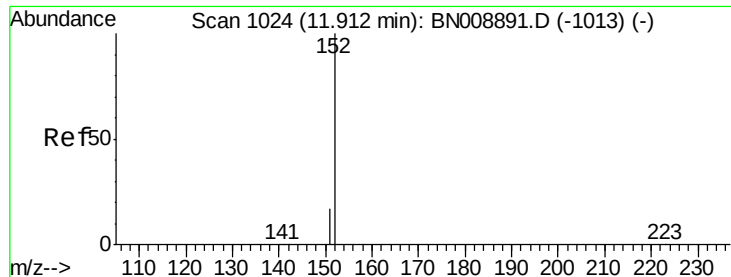
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#9
 Naphthalene
 Concen: 18.777 ng
 RT: 10.34 min Scan# 841
 Delta R.T. -0.03 min
 Lab File: BN009016.D
 Acq: 17 Dec 2019 16:38

Tgt Ion	128	Resp	723180
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.4	14.0
127	12.8	10.8	16.2





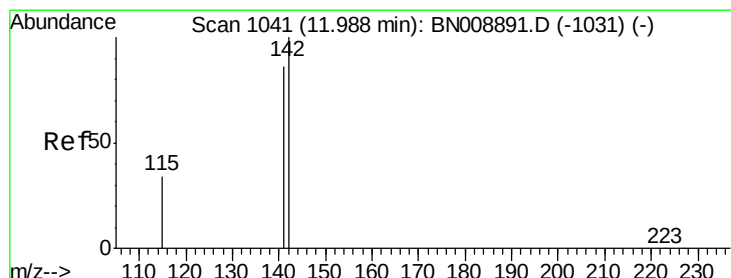
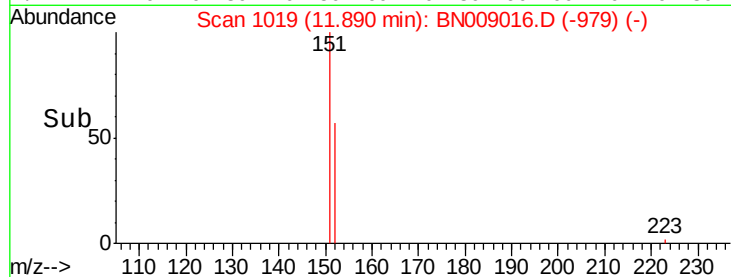
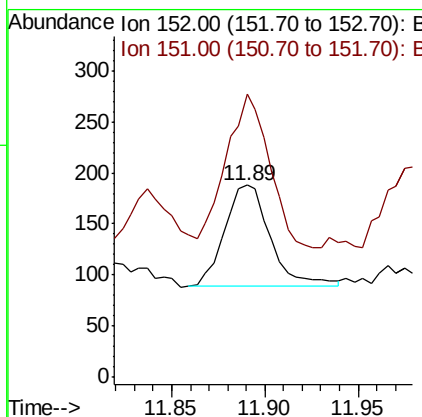
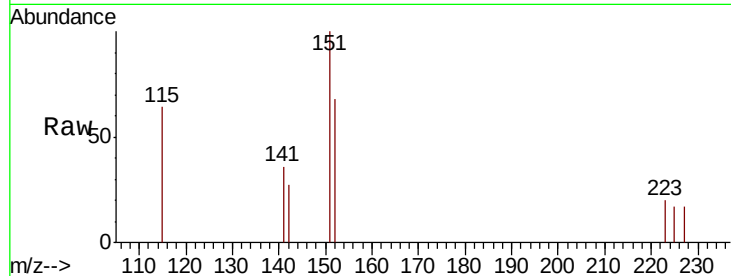
#11
2-Methylnaphthalene-d10
Concen: 0.007 ng
RT: 11.89 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL

Tot Ion:152 Resp: 168
Ion Ratio Lower Upper
152 100
151 155.4 15.2 22.8#

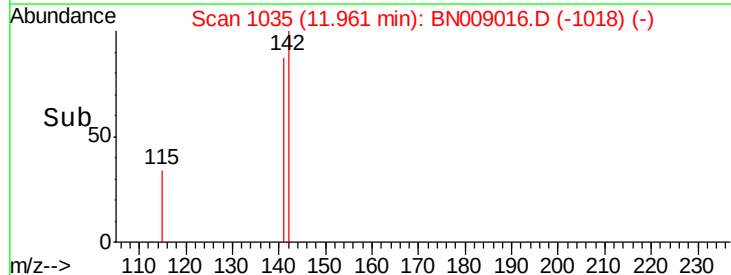
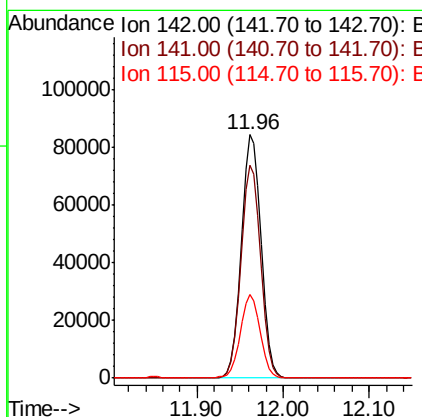
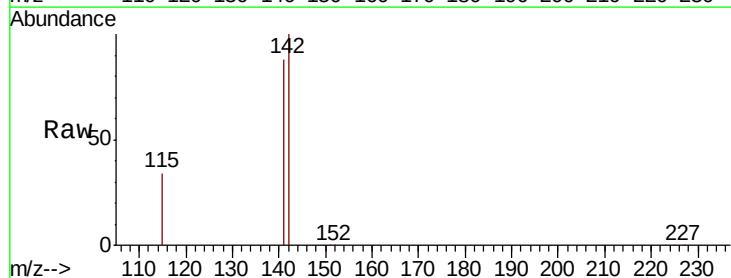
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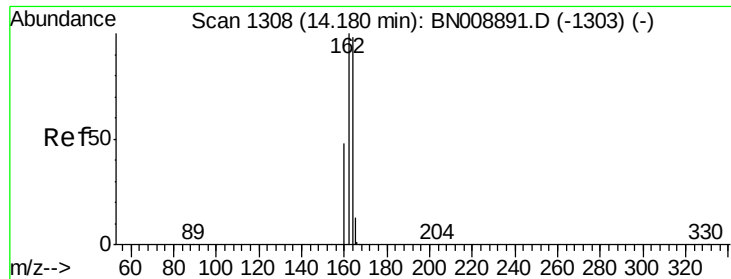
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#12
2-Methylnaphthalene
Concen: 4.650 ng
RT: 11.96 min Scan# 1035
Delta R.T. -0.03 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Tgt Ion:142 Resp: 133433
Ion Ratio Lower Upper
142 100
141 87.5 69.3 103.9
115 34.1 27.9 41.9





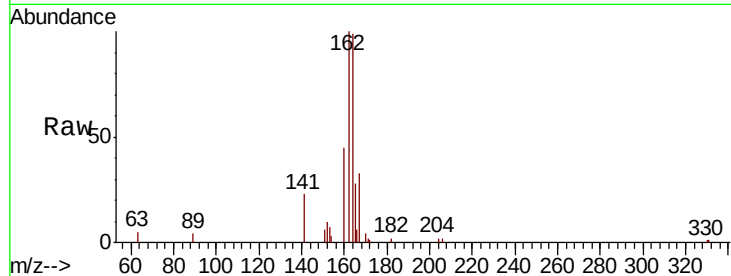
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.16 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.9	122.9
160	45.5	39.3	58.9

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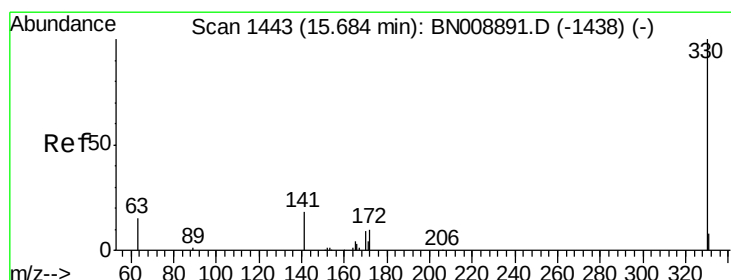
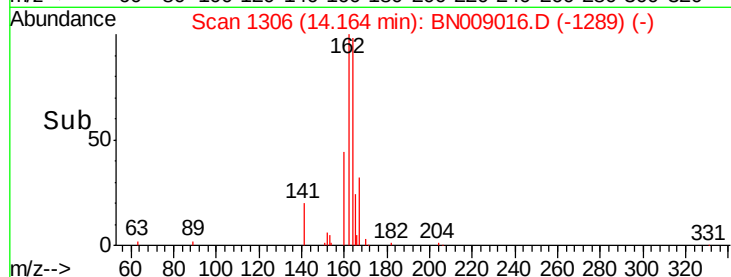
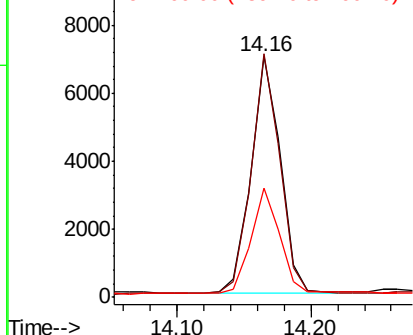


Abundance

Ion 164.00 (163.70 to 164.70): E

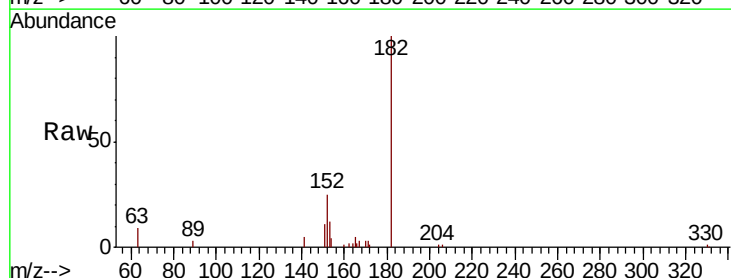
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.012 ng
RT: 15.67 min Scan# 1441
Delta R.T. -0.02 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	695.2	29.6	44.4#

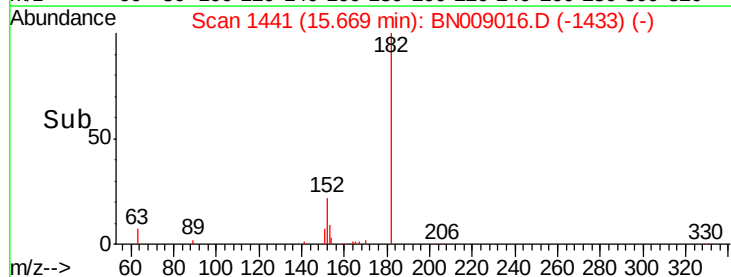
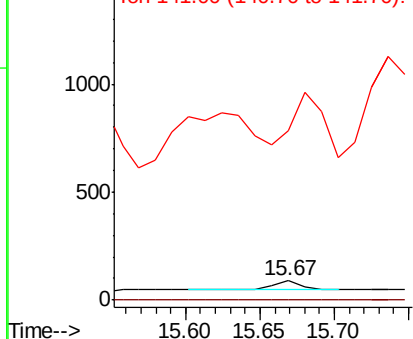


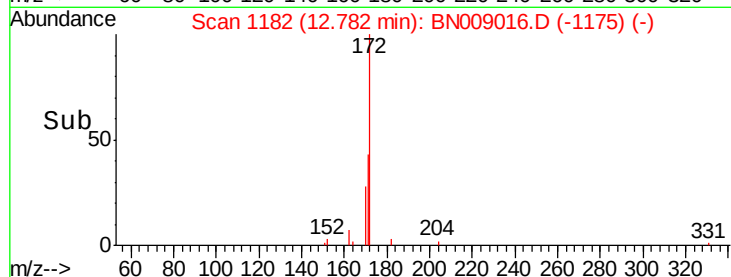
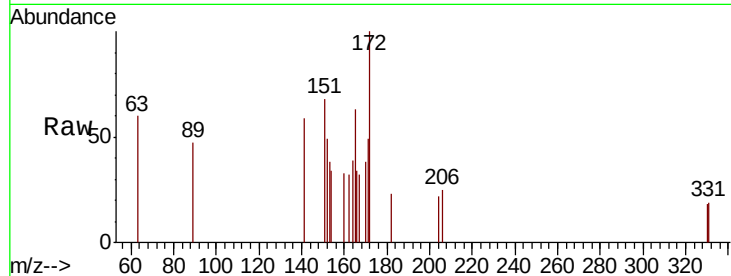
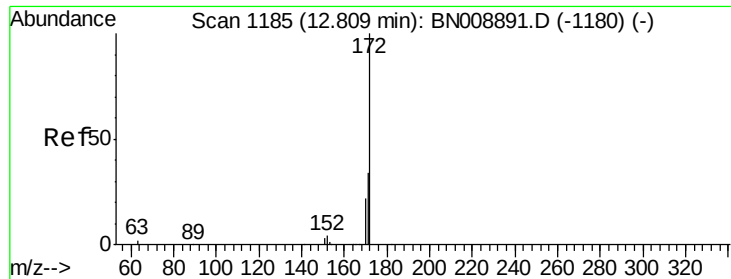
Abundance

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





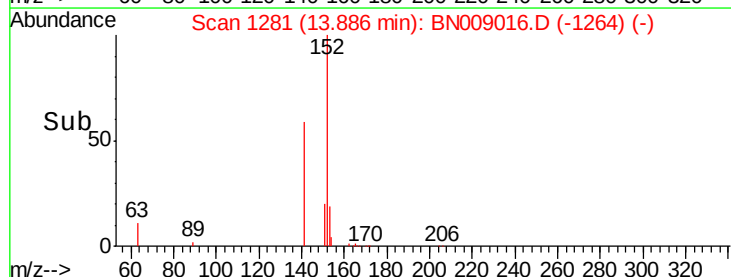
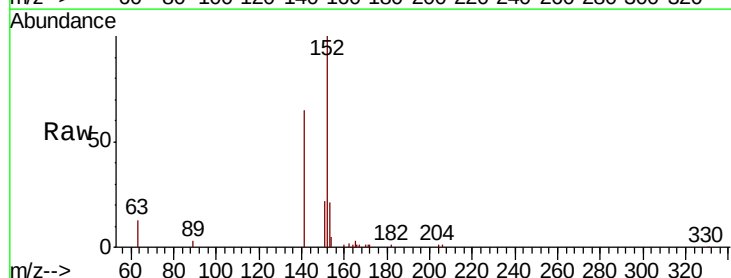
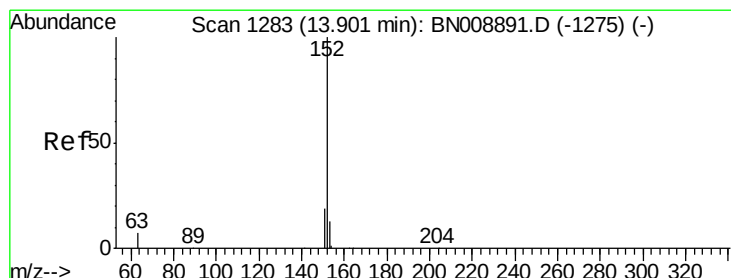
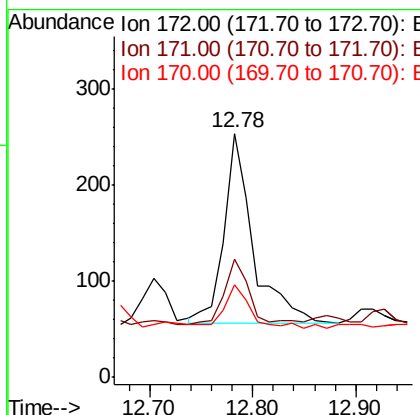
#15
2-Fluorobiphenyl
Concen: 0.010 ng
RT: 12.78 min Scan# 1182
Delta R.T. -0.03 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL

Tot Ion	Ratio	Lower	Upper
172	100		
171	48.6	27.1	40.7#
170	37.9	17.7	26.5#

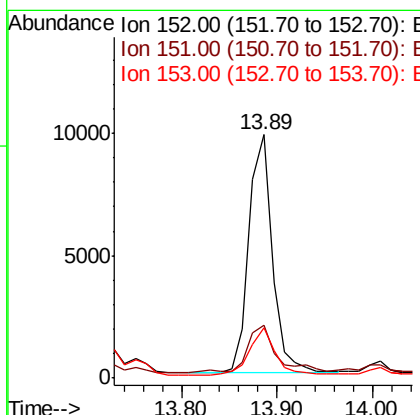
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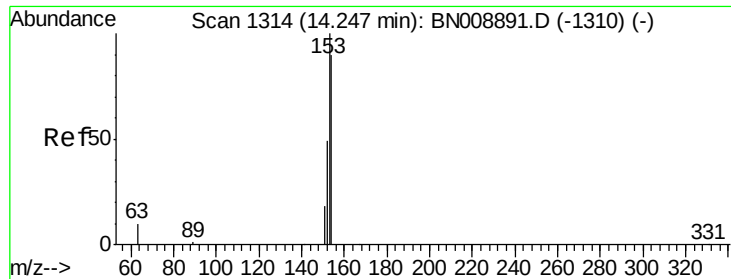
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#16
Acenaphthylene
Concen: 0.346 ng
RT: 13.89 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	24.9	15.3	22.9#
153	20.7	10.3	15.5#





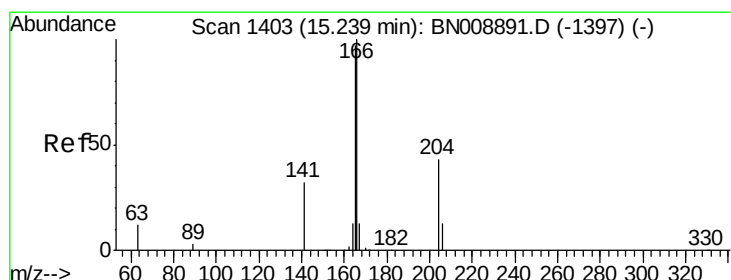
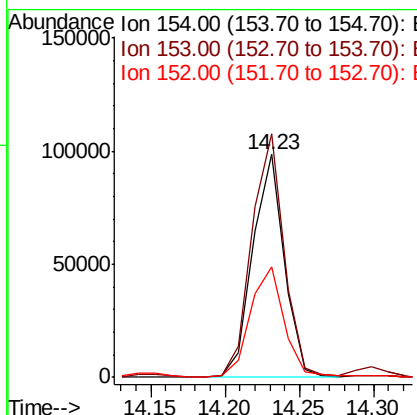
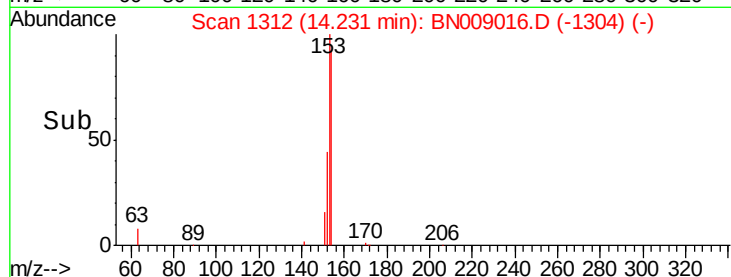
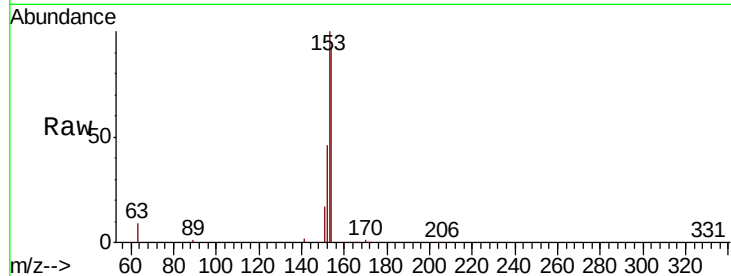
#17
Acenaphthene
Concen: 4.449 ng
RT: 14.23 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.2	133.8
152	52.4	44.2	66.4

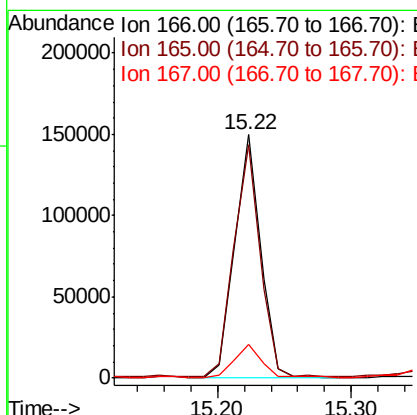
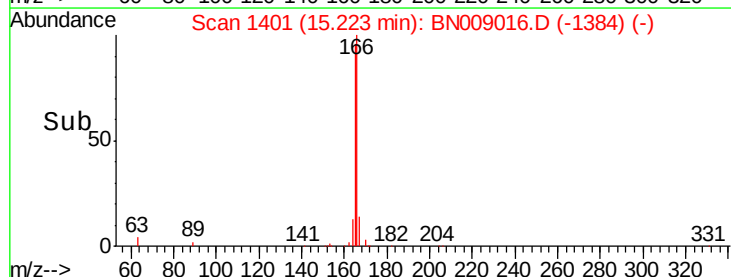
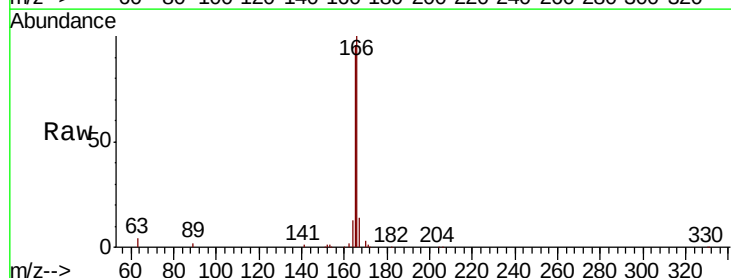
Manual Integrations
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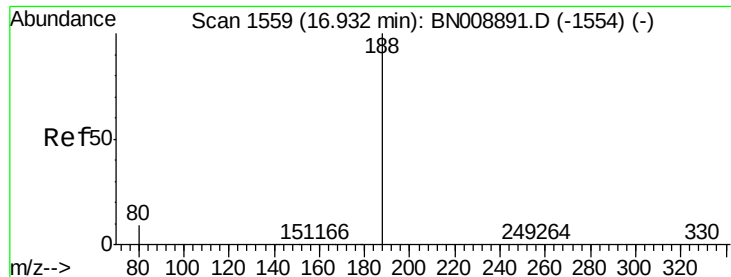
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#18
Fluorene
Concen: 4.614 ng
RT: 15.22 min Scan# 1401
Delta R.T. -0.02 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.3	115.9
167	14.1	10.8	16.2





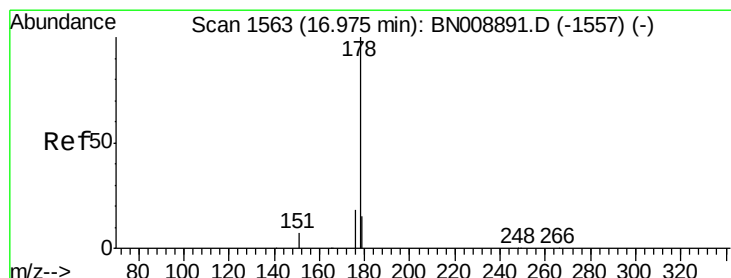
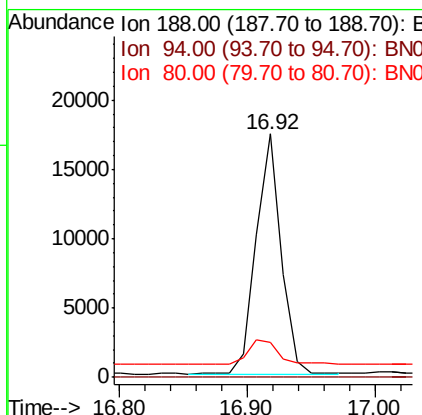
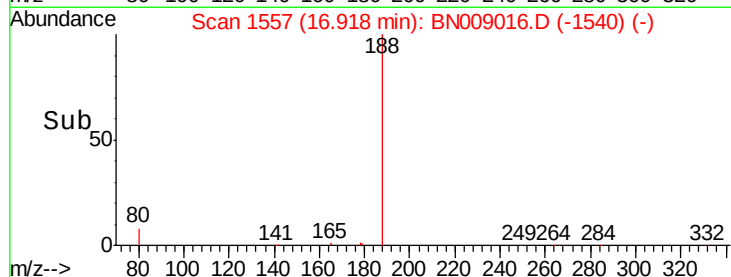
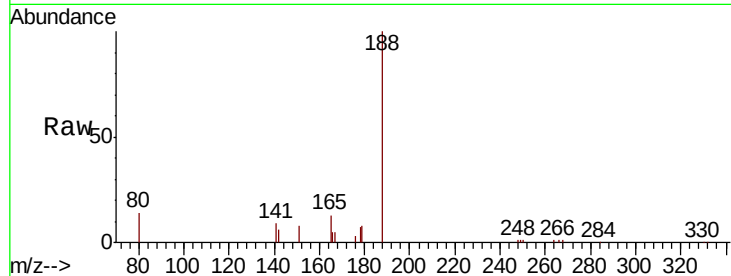
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.92 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.1	7.3	10.9

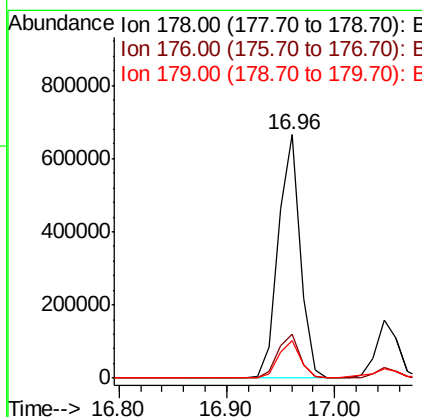
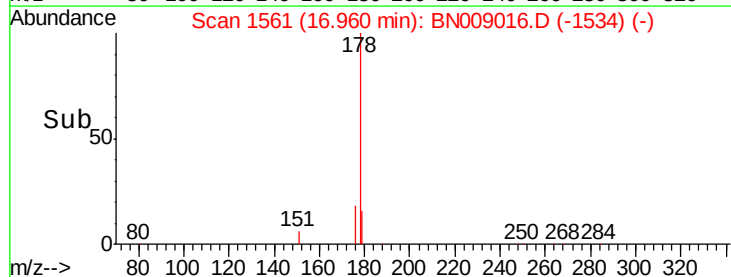
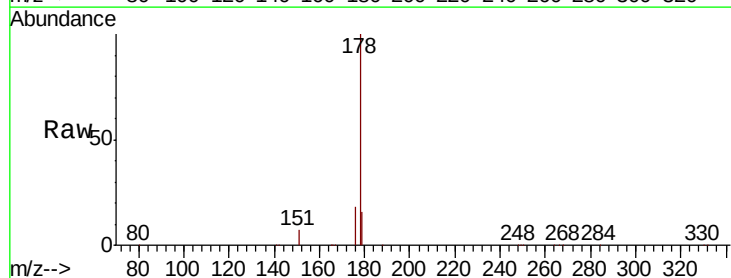
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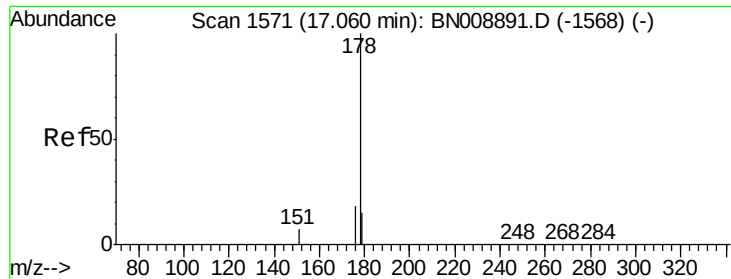
mohammad
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#23
Phenanthrene
Concen: 12.470 ng
RT: 16.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.5	12.3	18.5





#24

Anthracene

Concen: 3.360 ng

RT: 17.05 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BN009016.D

Acq: 17 Dec 2019 16:38

Instrument :

BNA_N

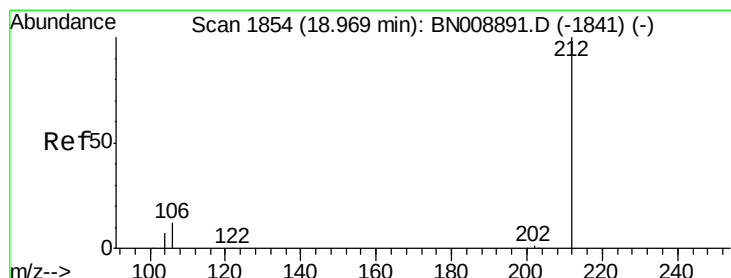
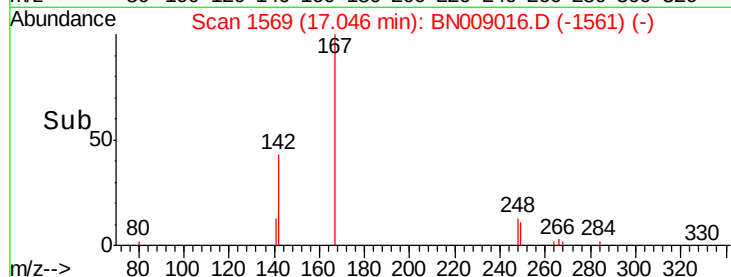
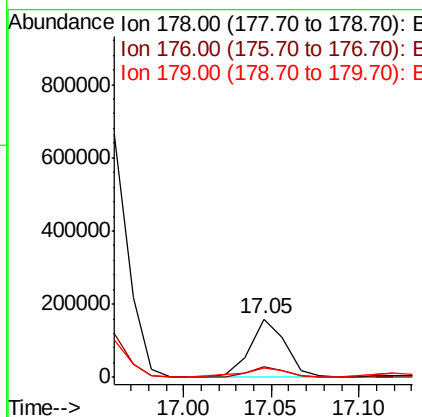
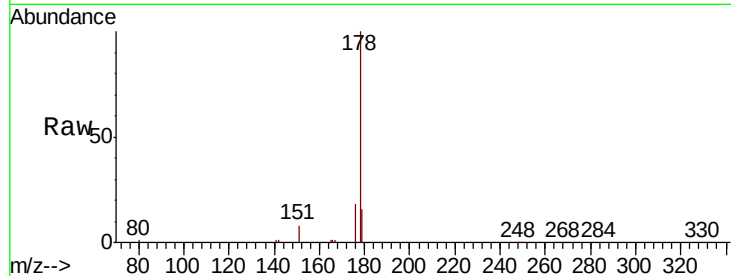
ClientSampleId :

BE-211-COMP-SDL

Tot Ion:	178	Resp:	219912
Ion Ratio	Lower	Upper	
178	100		
176	17.8	14.4	21.6
179	17.9	12.1	18.1

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#25

Fluoranthene-d10

Concen: 0.006 ng

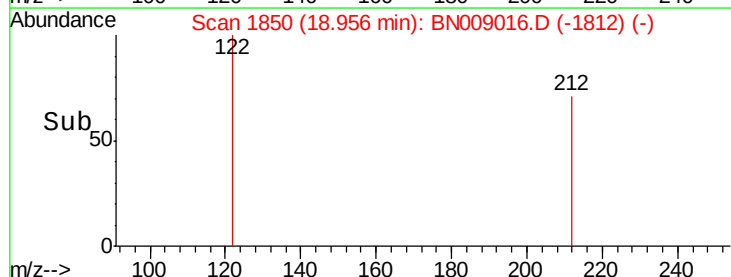
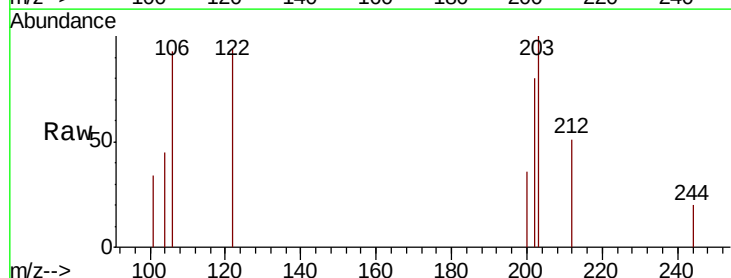
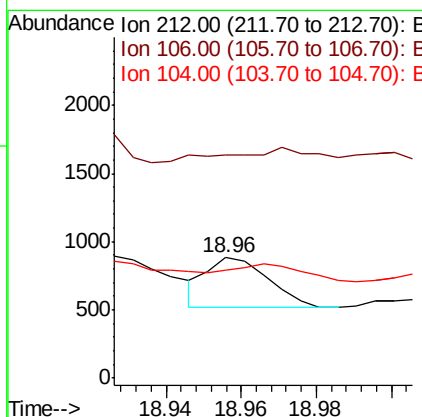
RT: 18.96 min Scan# 1850

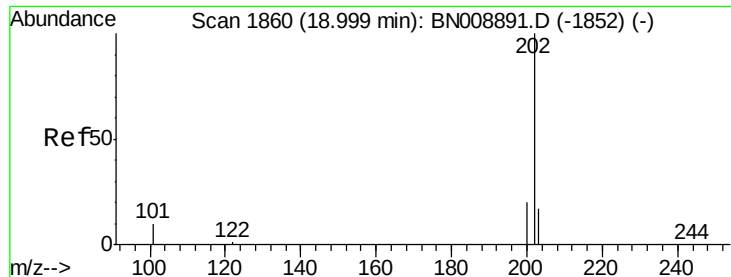
Delta R.T. -0.01 min

Lab File: BN009016.D

Acq: 17 Dec 2019 16:38

Tgt Ion:	212	Resp:	404
Ion Ratio	Lower	Upper	
212	100		
106	41.6	10.4	15.6#
104	41.1	5.9	8.9#





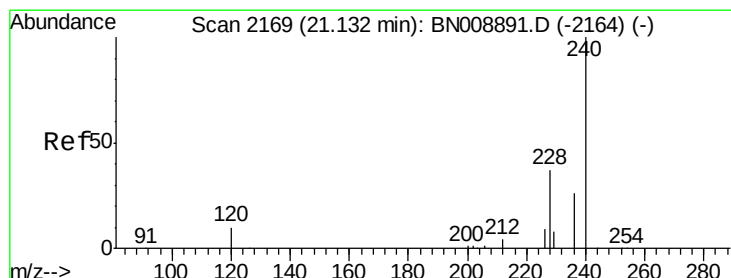
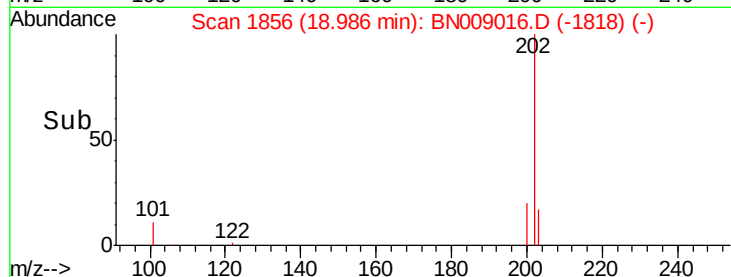
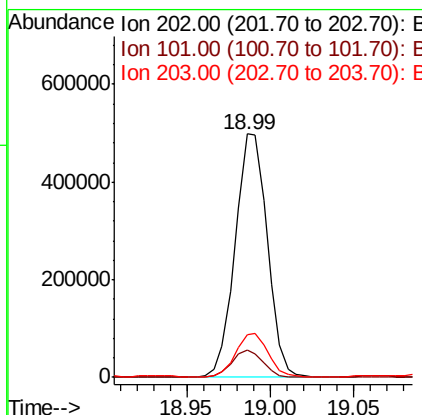
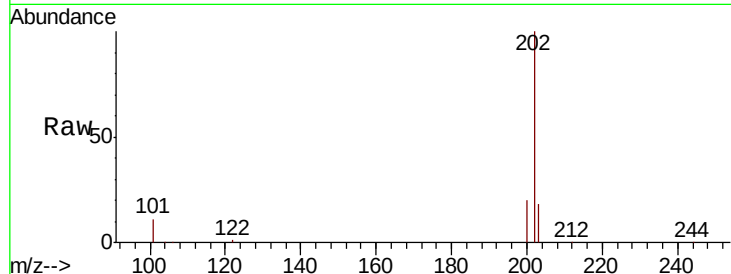
#26
Fluoranthene
Concen: 7.521 ng
RT: 18.99 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	8.8	13.2
203	17.5	13.8	20.6

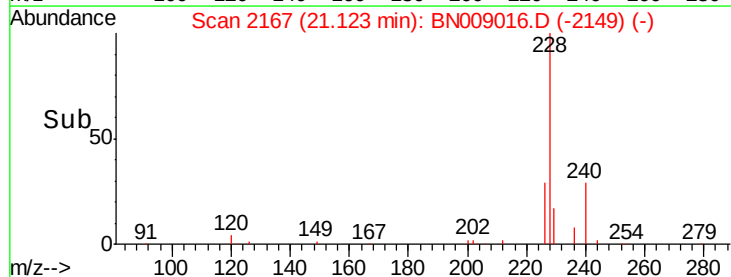
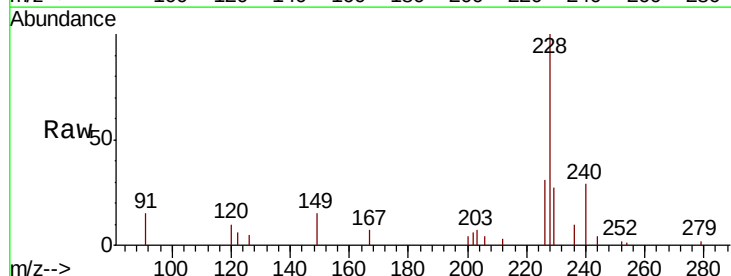
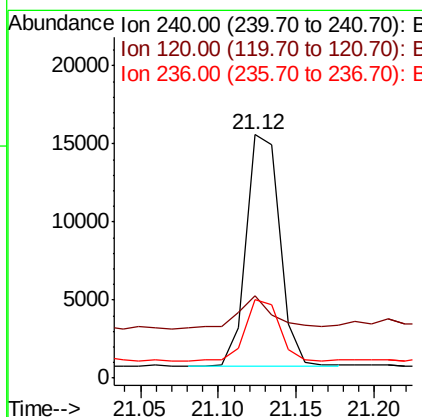
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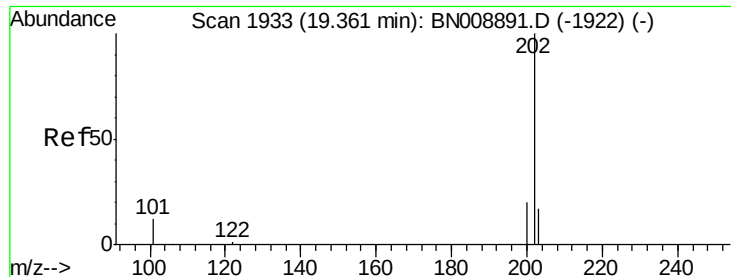
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.12 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	33.8	9.1	13.7#
236	32.5	21.5	32.3#





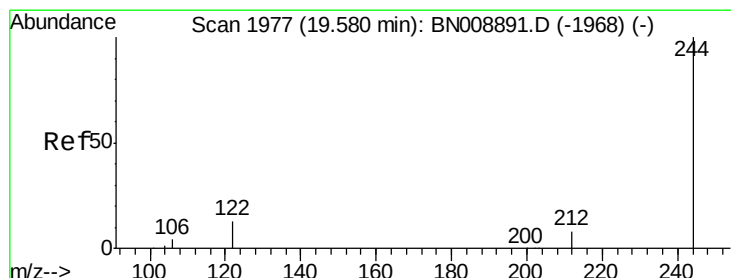
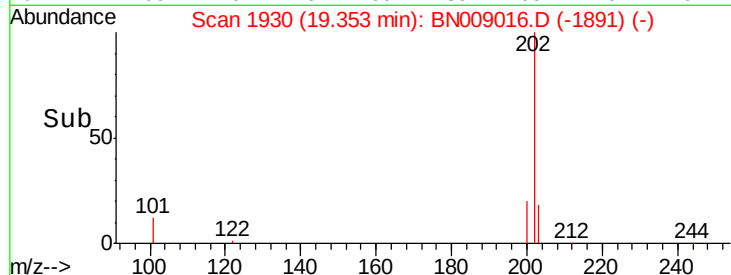
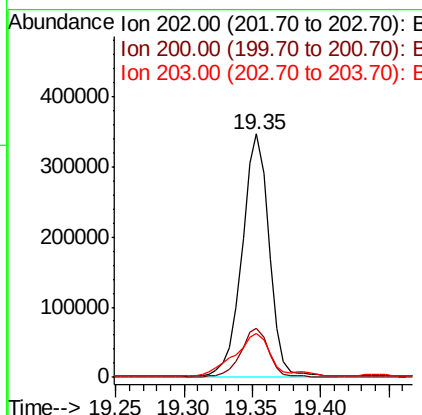
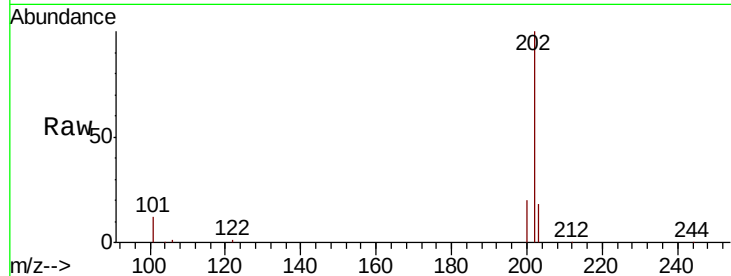
#28
Pvrene
Concen: 6.095 ng
RT: 19.35 min Scan# 1930
Delta R.T. -0.01 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.1	24.1
203	22.5	13.9	20.9

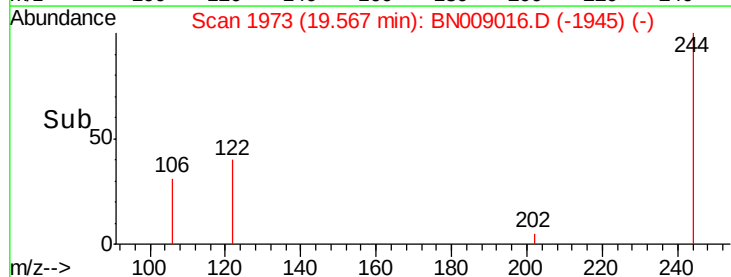
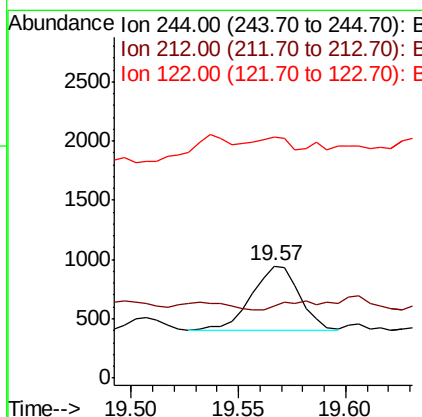
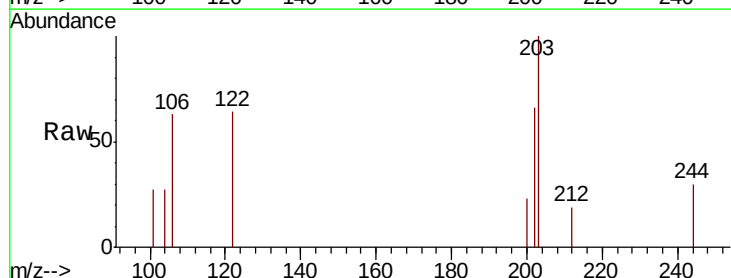
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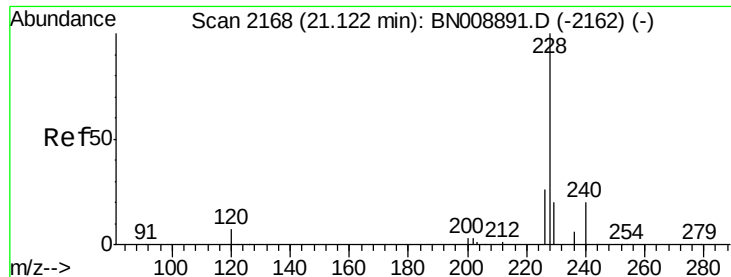
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#29
Terphenyl-d14
Concen: 0.017 ng
RT: 19.57 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	64.4	6.5	9.7
122	214.8	10.4	15.6





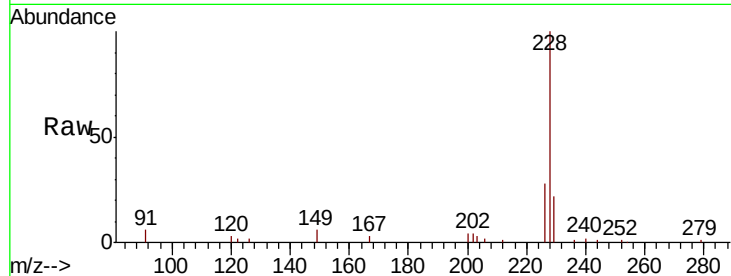
#30
Benzo(a)anthracene
Concen: 2.172 ng
RT: 21.11 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	20.6	30.8
229	21.6	15.9	23.9

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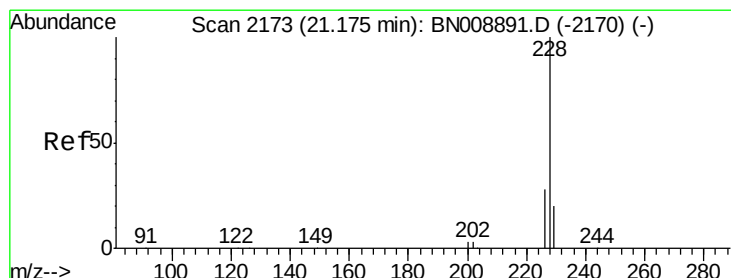
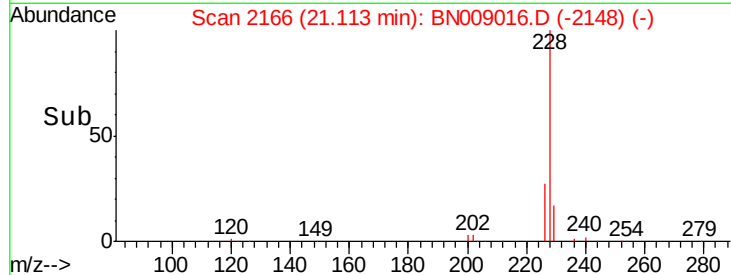
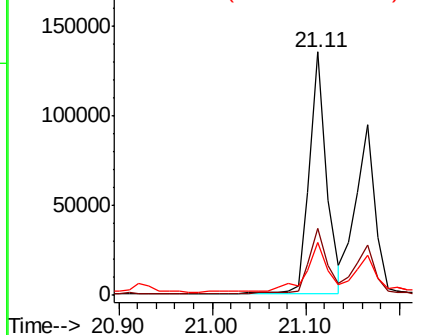


Abundance

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: 1.734 ng m
RT: 21.17 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

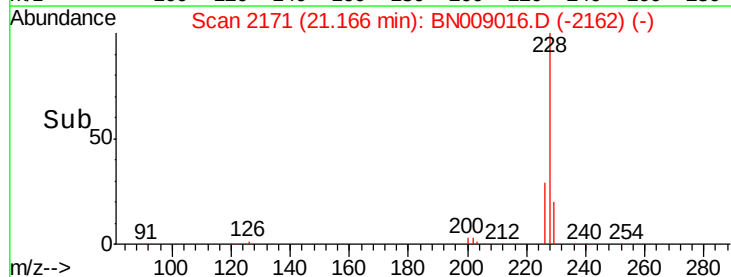
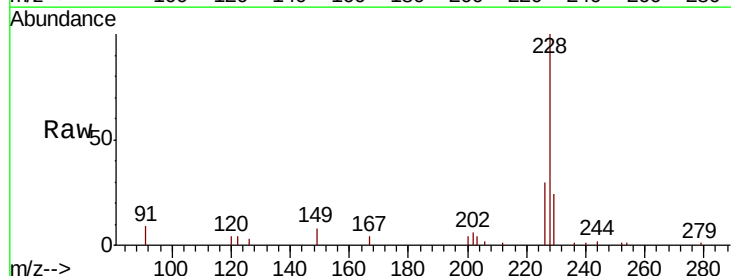
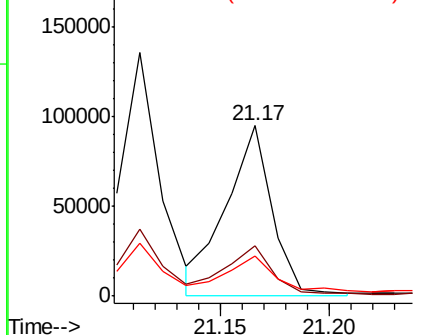
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.2	33.4
229	23.9	15.9	23.9

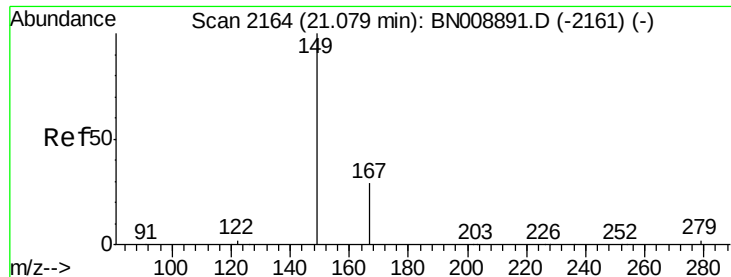
Abundance

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: 0.340 ng

RT: 21.07 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BN009016.D

Acq: 17 Dec 2019 16:38

Instrument :

BNA_N

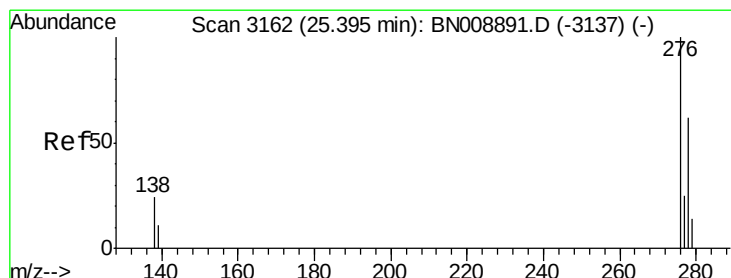
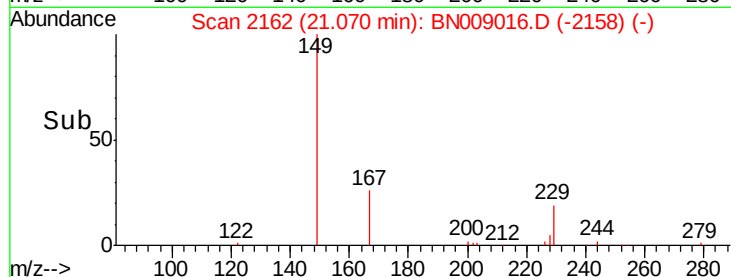
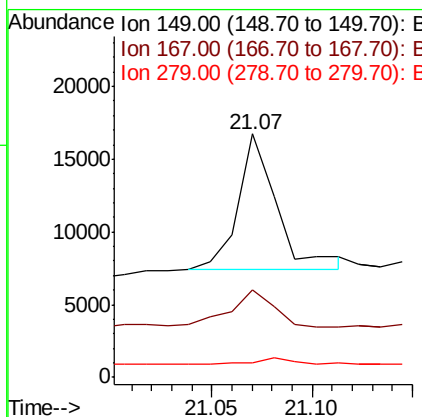
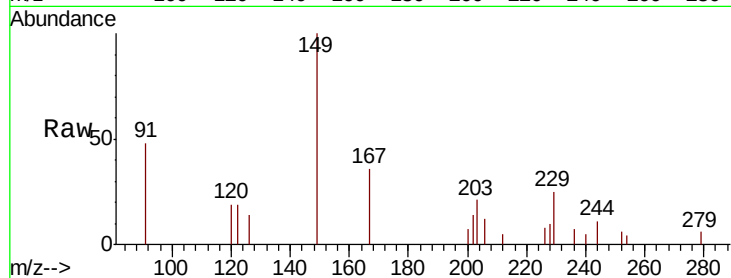
ClientSampleId :

BE-211-COMP-SDL

Tot Ion:	149	Resp:	12502
Ion Ratio	Lower	Upper	
149	100		
167	30.2	22.7	34.1
279	4.2	3.3	4.9

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.425 ng

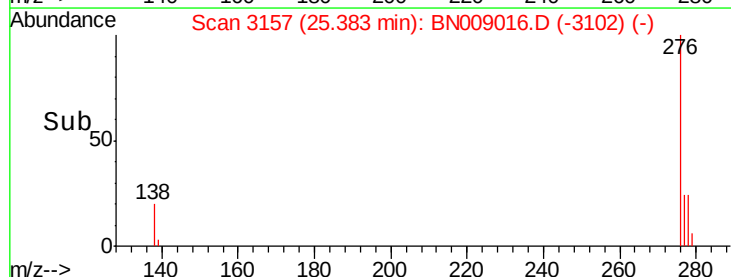
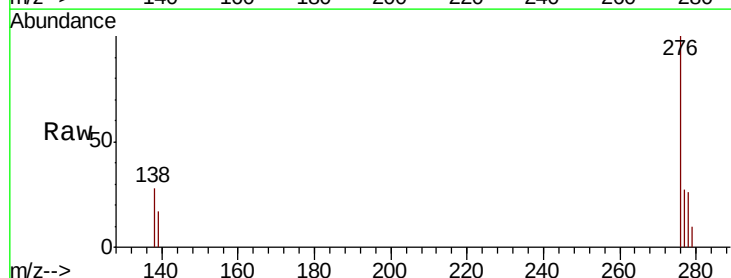
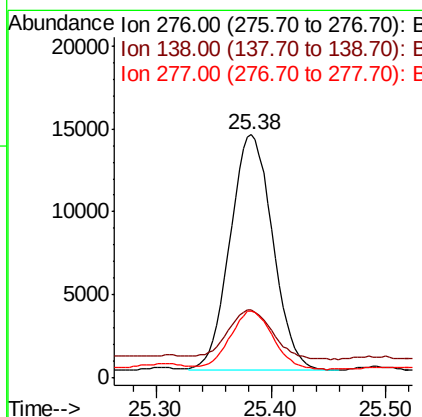
RT: 25.38 min Scan# 3157

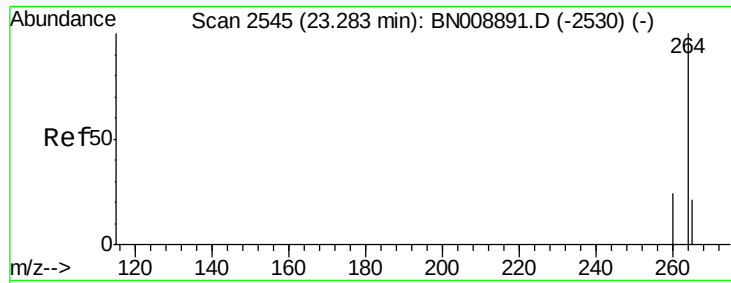
Delta R.T. -0.01 min

Lab File: BN009016.D

Acq: 17 Dec 2019 16:38

Tgt Ion:	276	Resp:	36605
Ion Ratio	Lower	Upper	
276	100		
138	21.5	19.9	29.9
277	25.1	19.8	29.8





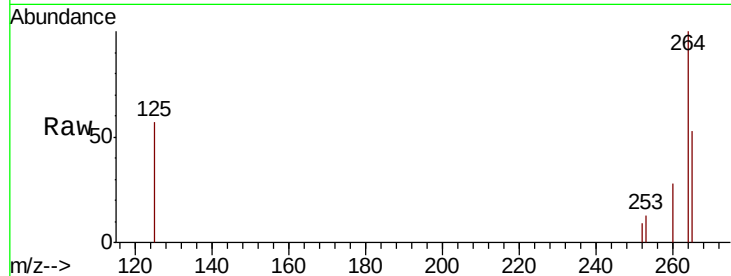
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.28 min Scan# 2542
Delta R.T. -0.00 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.6	19.4	29.0
265	53.3	47.5	71.3

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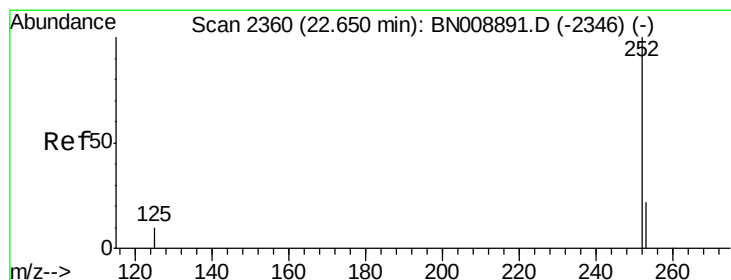
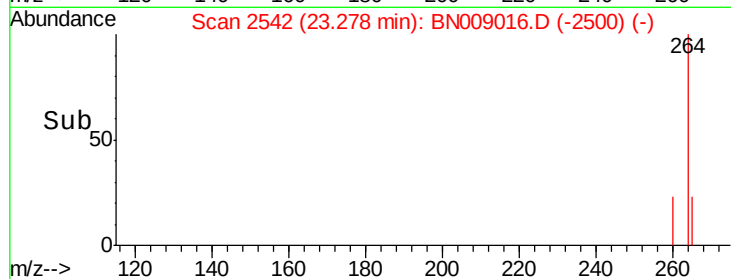
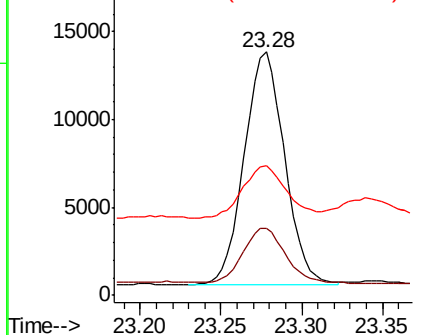


Abundance

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: 1.643 ng
RT: 22.64 min Scan# 2357
Delta R.T. -0.00 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

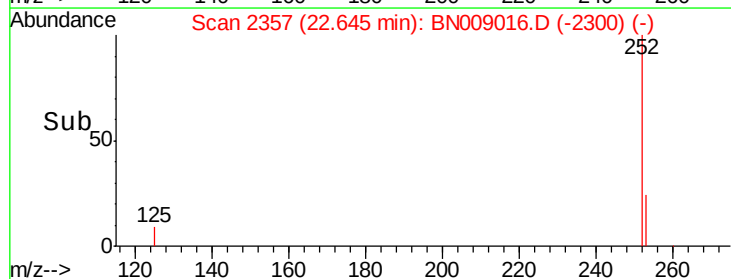
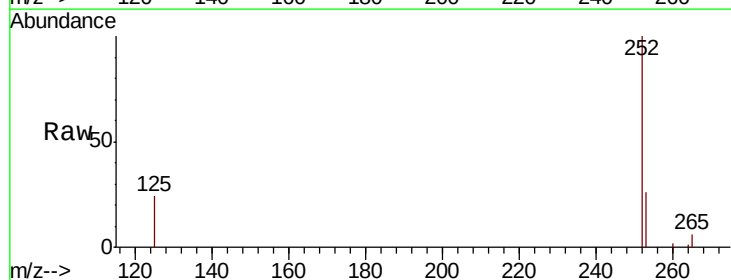
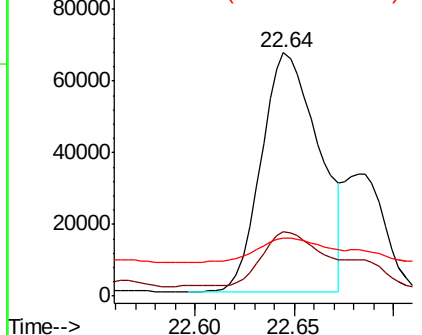
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	19.8	29.6
125	23.9	10.8	16.2

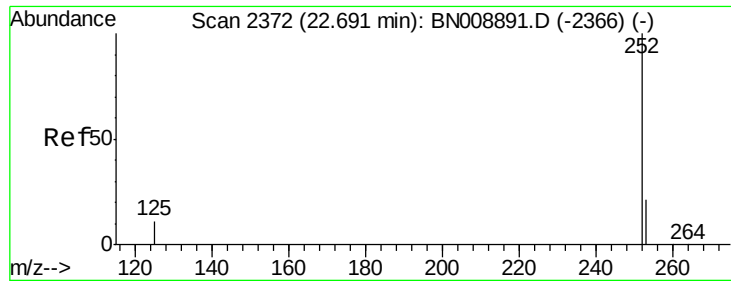
Abundance

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





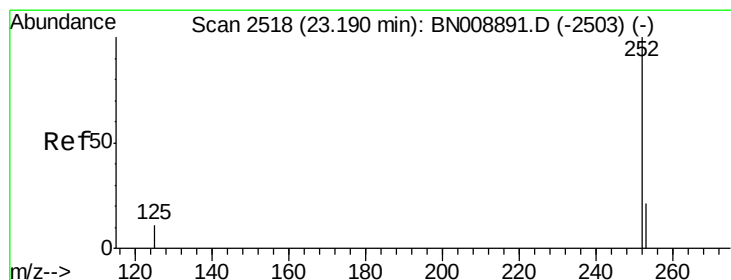
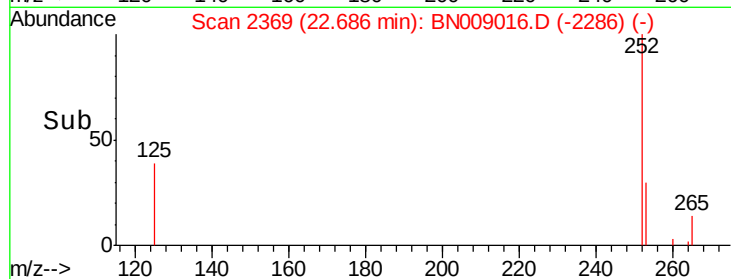
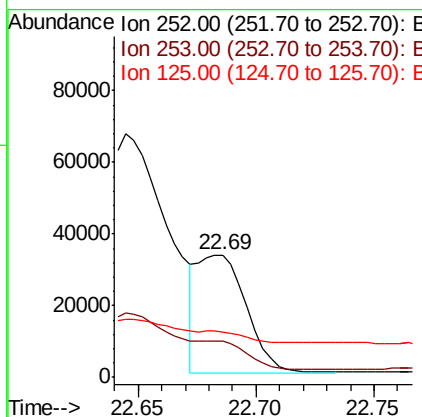
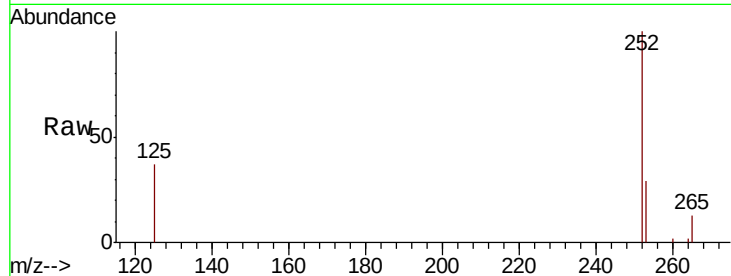
#36
Benzo(k)fluoranthene
Concen: 0.573 ng m
RT: 22.69 min Scan# 2369
Delta R.T. -0.00 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.2	19.2	28.8#
125	37.2	11.6	17.4#

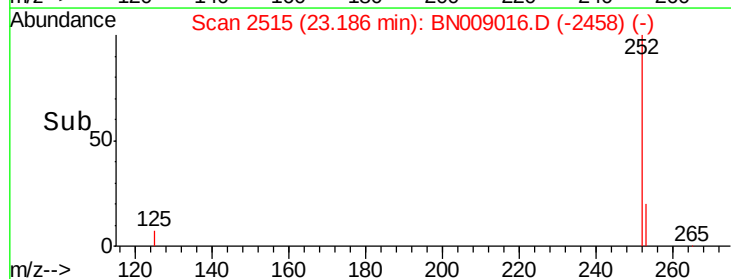
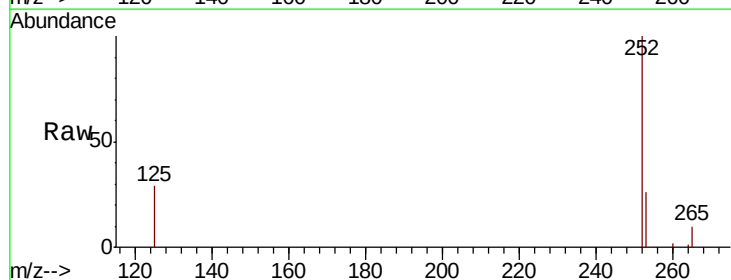
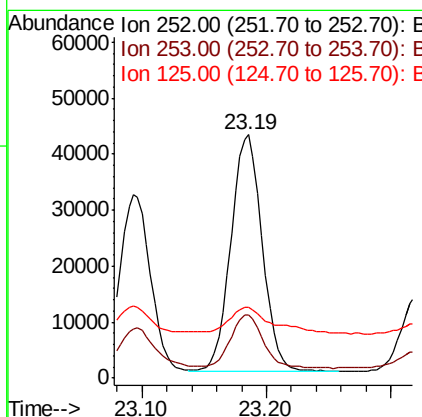
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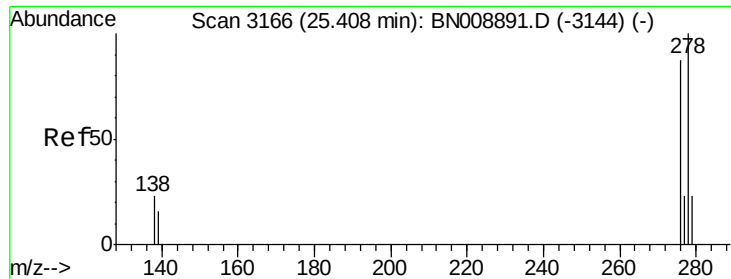
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#37
Benzo(a)pyrene
Concen: 0.992 ng
RT: 23.19 min Scan# 2515
Delta R.T. -0.00 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	19.9	29.9
125	28.9	12.3	18.5#





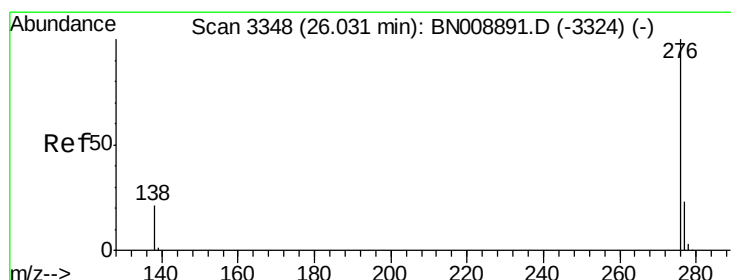
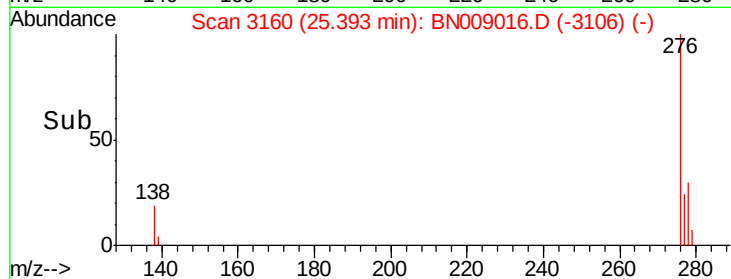
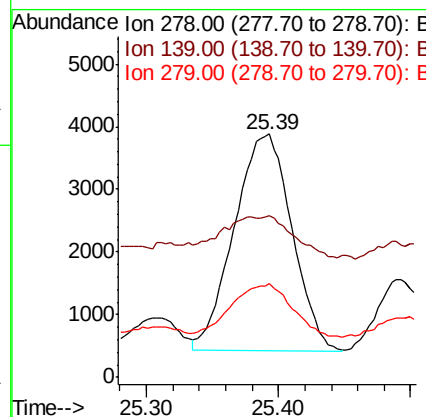
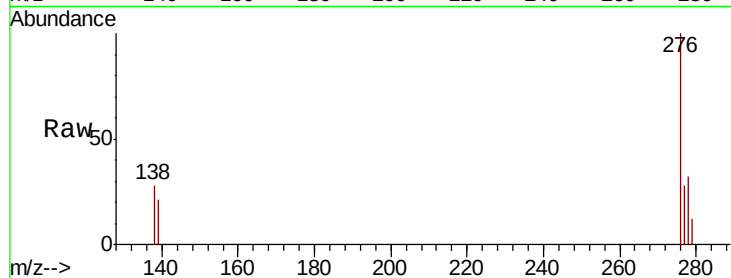
#38
Dibenzo(a,h)anthracene
Concen: 0.152 ng
RT: 25.39 min Scan# 3160
Delta R.T. -0.02 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	66.4	13.9	20.9#
279	38.5	20.2	30.4#

Manual Integrations
APPROVED

mohammad
12/18/2019 2:41:42 PM



#39
Benzo(g,h,i)perylene
Concen: 0.445 ng
RT: 26.02 min Scan# 3344
Delta R.T. -0.01 min
Lab File: BN009016.D
Acq: 17 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.8	19.4	29.2
138	28.5	17.8	26.6#

