

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
 Data File : BN007362.D
 Acq On : 24 Aug 2019 14:19
 Operator : HP/JU
 Sample : K4441-09DL2 50X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S700-N-0.0-0.5-082019DL2

Manual Integrations
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 8/31/2019 2:40:01 PM

Quant Time: Aug 25 00:03:19 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	5246	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	22161	0.40	ng	-0.01
13) Acenaphthene-d10	14.04	164	12276	0.40	ng	-0.01
19) Phenanthrene-d10	16.80	188	26763	0.40	ng	0.00
27) Chrysene-d12	21.02	240	27396	0.40	ng	0.00
34) Perylene-d12	23.12	264	29137	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	63	-0.03	ng	0.00
5) Phenol-d6	6.60	99	101	-0.03	ng	0.00
8) Nitrobenzene-d5	8.53	82	103	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	141	0.00	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	31	0.00	ng	-0.01
15) 2-Fluorobiphenyl	12.66	172	185	0.00	ng	0.00
25) Fluoranthene-d10	18.84	212	290	0.00	ng	0.00
29) Terphenyl-d14	19.45	244	535	0.01	ng	-0.01

Target Compounds				Qvalue		
9) Naphthalene	10.20	128	21686	0.342	ng	# 90
12) 2-Methylnaphthalene	11.84	142	9474	0.220	ng	98
16) Acenaphthylene	13.76	152	2267	0.031	ng	# 93
17) Acenaphthene	14.11	154	55339	1.302	ng	99
18) Fluorene	15.10	166	75370	1.402	ng	98
23) Phenanthrene	16.84	178	915297	11.370	ng	99
24) Anthracene	16.93	178	160780	1.986	ng	# 93
26) Fluoranthene	18.88	202	988153	9.560	ng	99
28) Pyrene	19.24	202	775597	7.038	ng	# 95
30) Benzo(a)anthracene	21.00	228	374124	3.477	ng	98
31) Chrysene	21.05	228	314508	3.028	ng	99
33) Indeno(1,2,3-cd)pyrene	25.18	276	186178	1.488	ng	97
35) Benzo(b)fluoranthene	22.51	252	398541m	3.775	ng	
36) Benzo(k)fluoranthene	22.54	252	143297m	1.373	ng	
37) Benzo(a)pyrene	23.03	252	268991m	2.678	ng	
38) Dibenzo(a,h)anthracene	25.19	278	45951	0.458	ng	95
39) Benzo(a,h,i)perylene	25.81	276	184336	1.846	ng	96

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

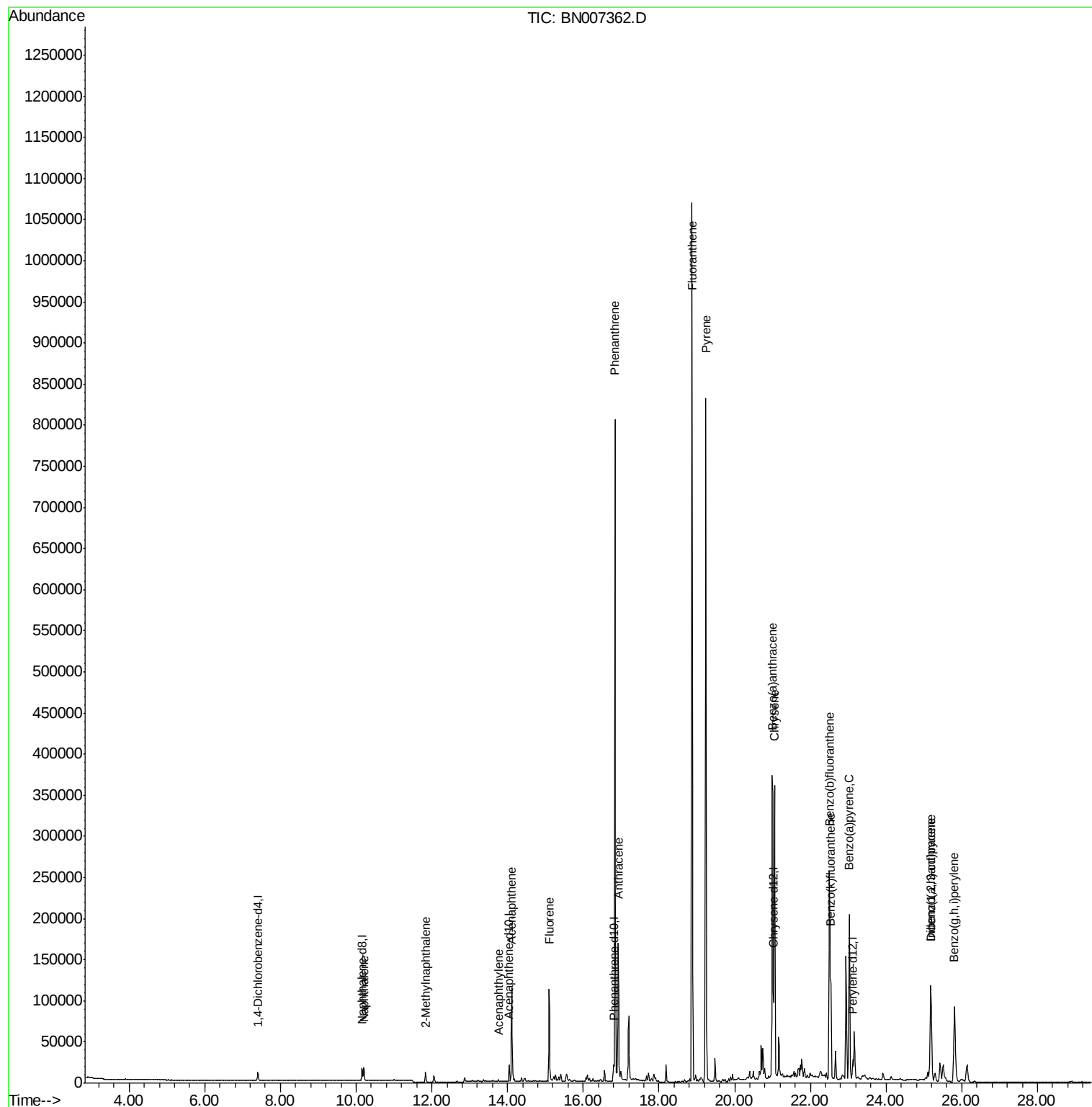
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
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#1

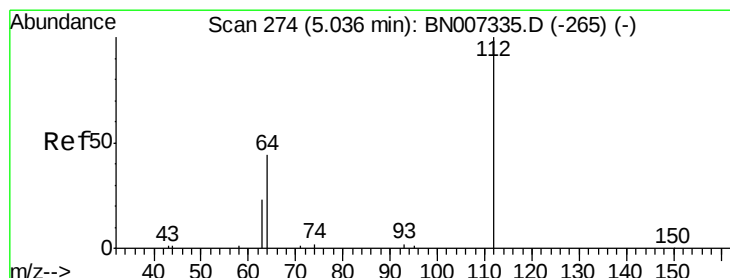
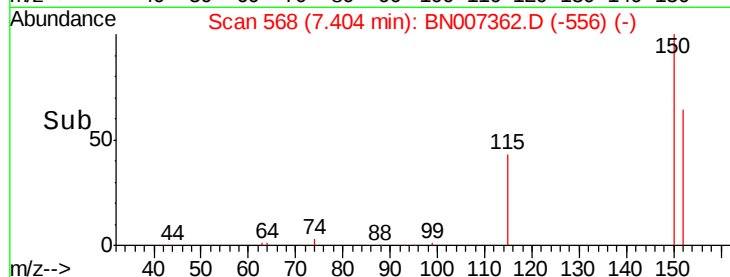
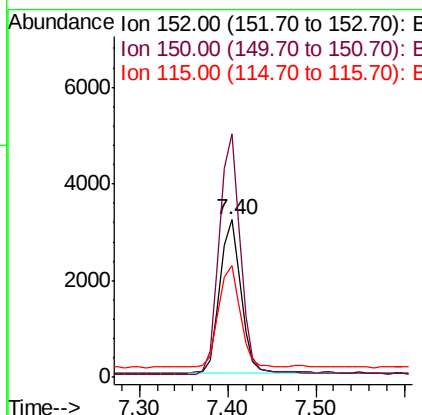
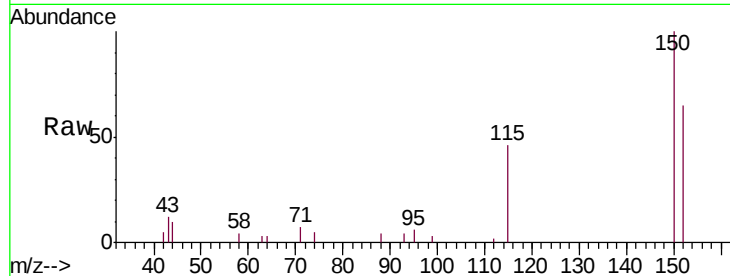
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	109.1	163.7
115	71.2	59.6	89.4

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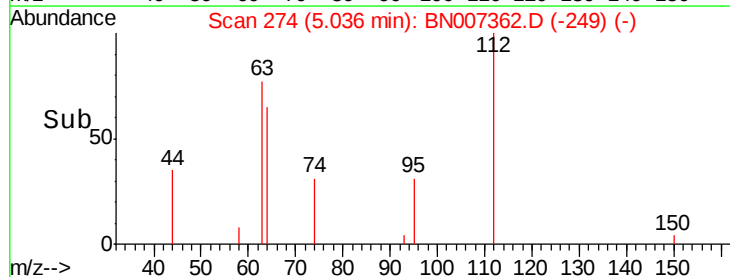
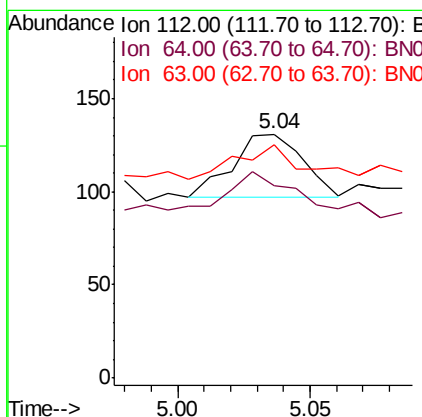
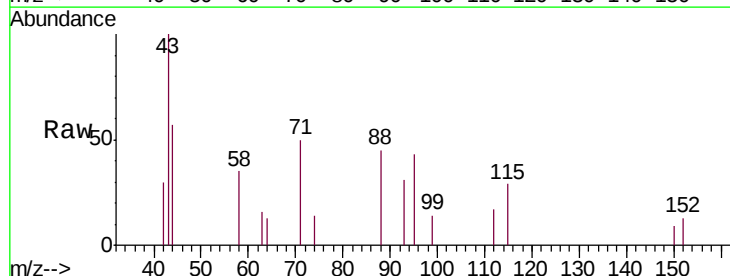
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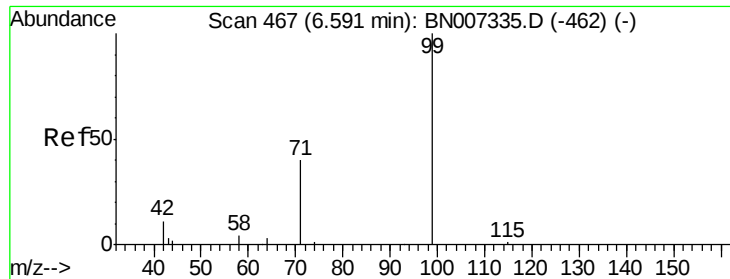


#4

2-Fluorophenol
Concen: -0.026 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	82.5	42.3	63.5#
63	63.5	23.6	35.4#





#5

Phenol-d6

Concen: -0.028 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.01 min

Lab File: BN007362.D

Acq: 24 Aug 2019 14:19

Instrument :

BNA_N

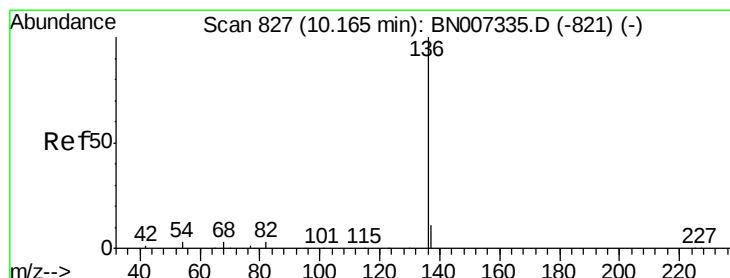
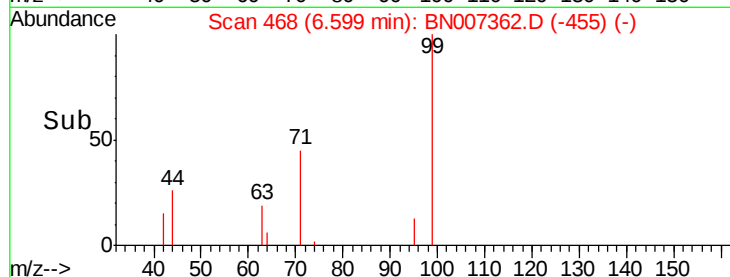
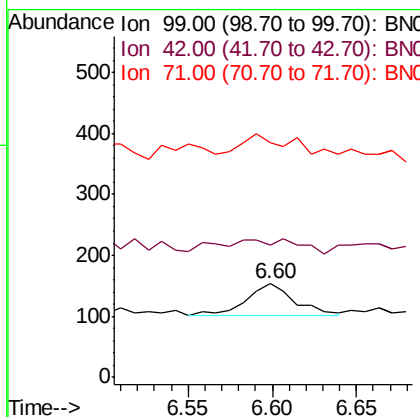
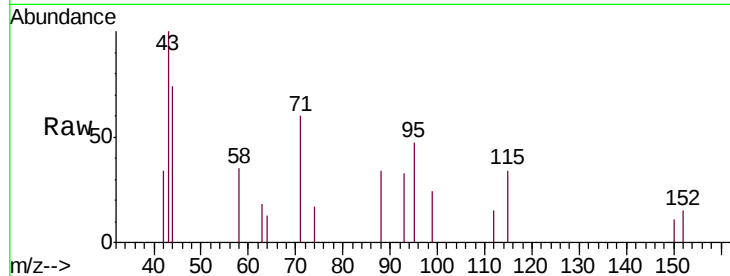
ClientSampleId :

S700-N-0.0-0.5-082019DL2

Tot Ion:	99	Resp:	101
Ion	Ratio	Lower	Upper
99	100		
42	40.6	11.2	16.8#
71	73.3	31.8	47.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

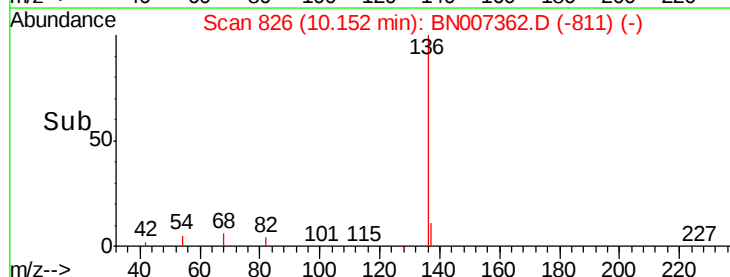
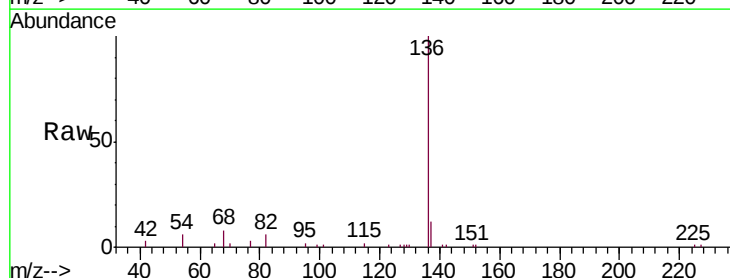
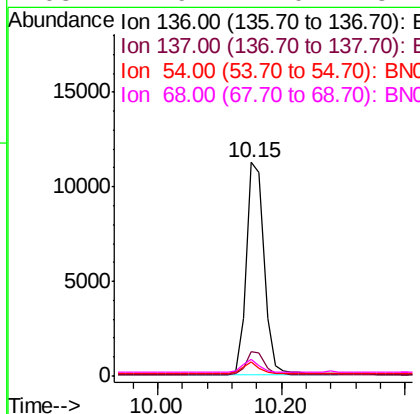
RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007362.D

Acq: 24 Aug 2019 14:19

Tgt Ion:	136	Resp:	22161
Ion	Ratio	Lower	Upper
136	100		
137	11.6	12.9	19.3#
54	6.4	8.6	12.8#
68	7.9	17.0	25.4#





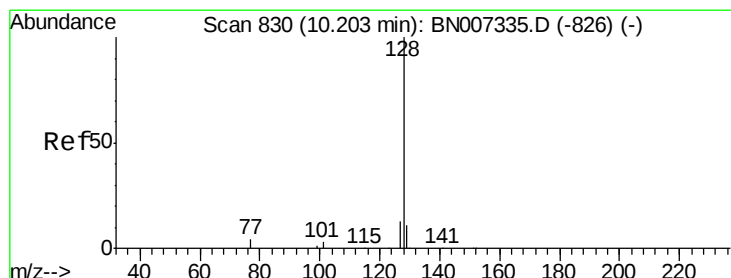
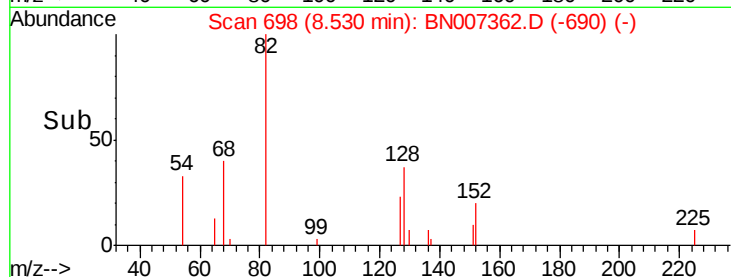
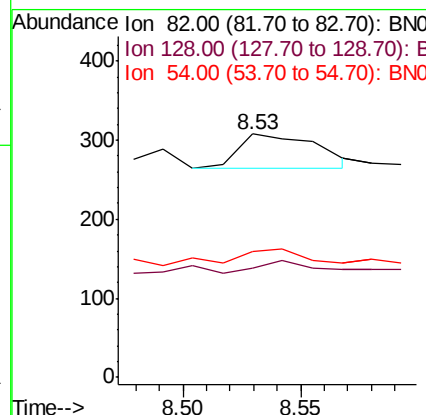
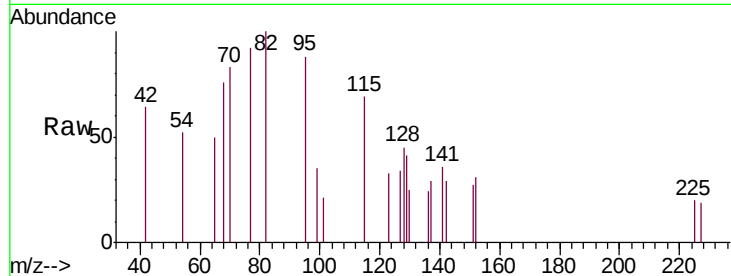
#8
Nitrobenzene-d5
Concen: 0.005 ng
RT: 8.53 min Scan# 698
Delta R.T. -0.00 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL2

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	19.7	29.5#
54	51.9	25.8	38.6#

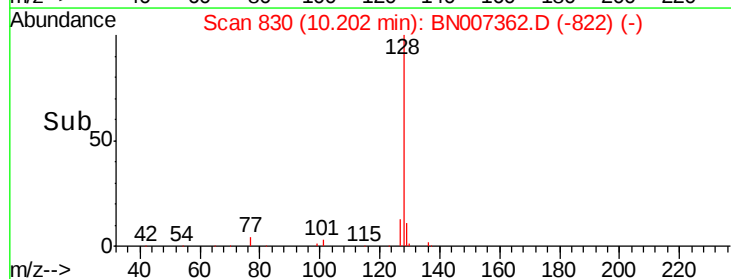
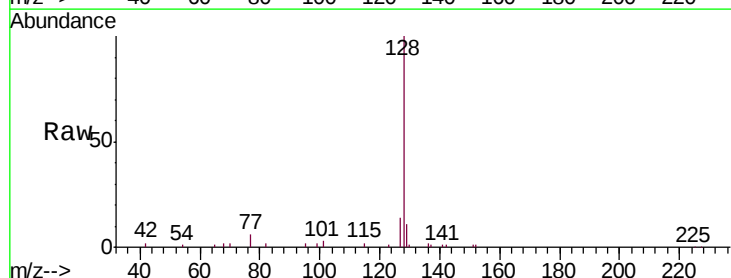
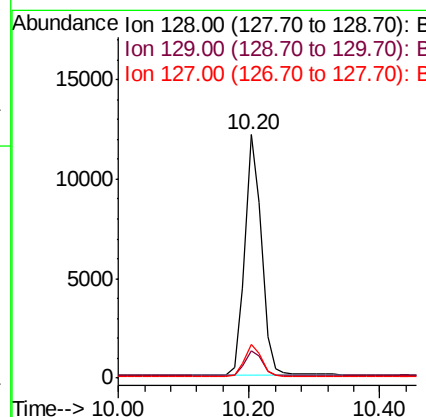
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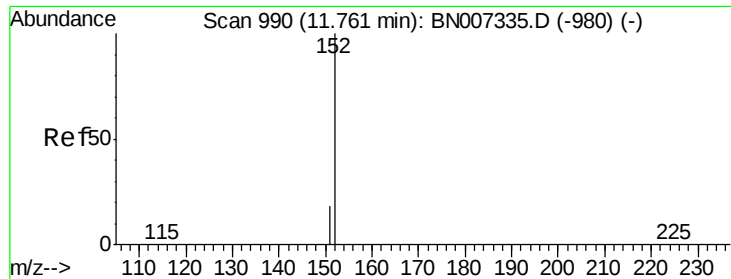
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#9
Naphthalene
Concen: 0.342 ng
RT: 10.20 min Scan# 830
Delta R.T. -0.00 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	11.1	16.7
127	13.7	15.5	23.3#





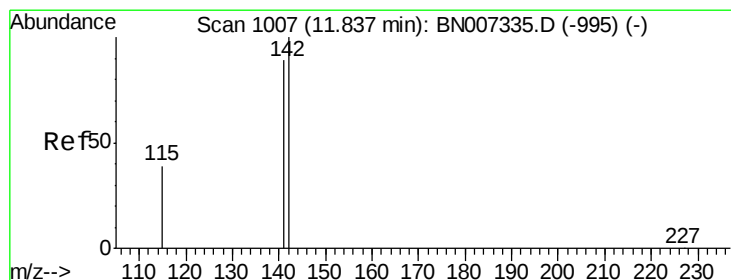
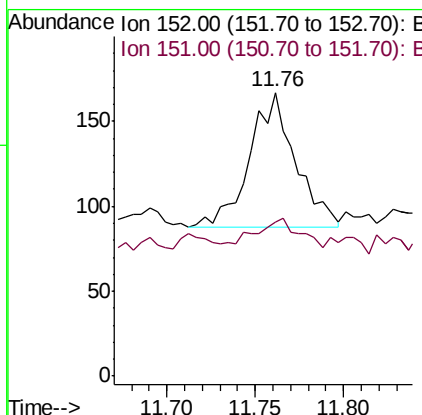
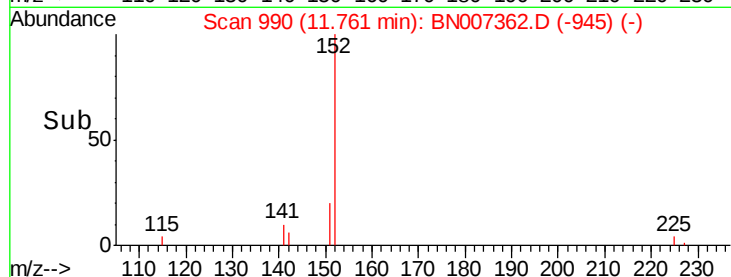
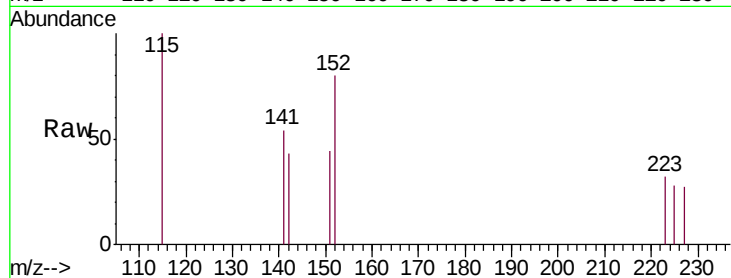
#11
2-Methylnaphthalene-d10
Concen: 0.004 ng
RT: 11.76 min Scan# 990
Delta R.T. -0.00 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL2

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.0	16.2	24.2

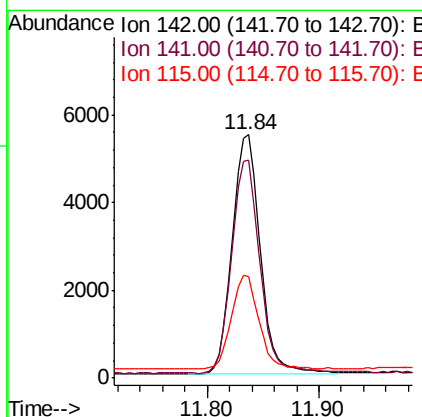
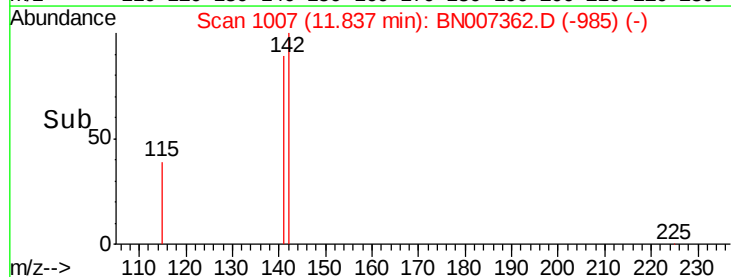
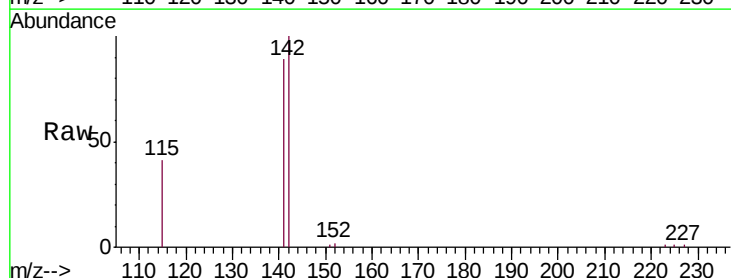
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#12
2-Methylnaphthalene
Concen: 0.220 ng
RT: 11.84 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.8	109.2
115	41.5	35.2	52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BN007362.D

Acq: 24 Aug 2019 14:19

Instrument :

BNA_N

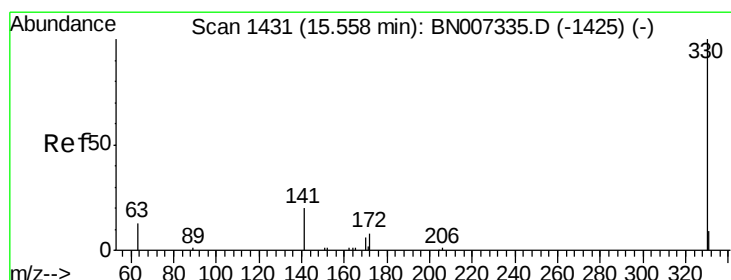
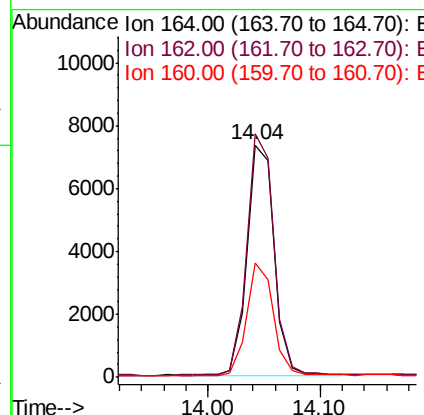
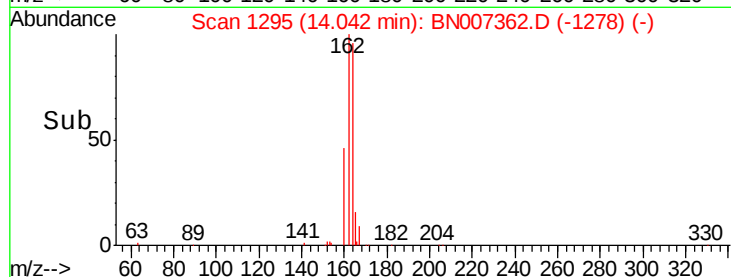
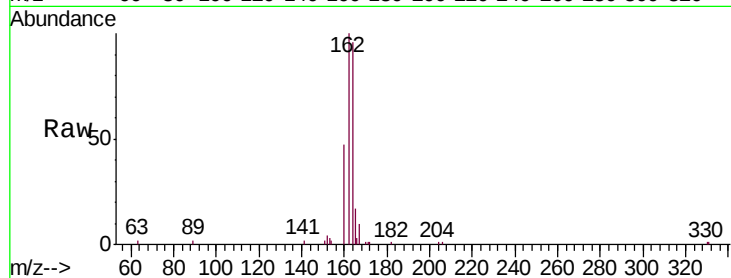
ClientSampled :

S700-N-0.0-0.5-082019DL2

Tot Ion:	164	Resp:	12276
Ion Ratio	Lower	Upper	
164	100		
162	104.6	83.5	125.3
160	48.9	38.2	57.4

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#14

2,4,6-Tribromophenol

Concen: 0.005 ng

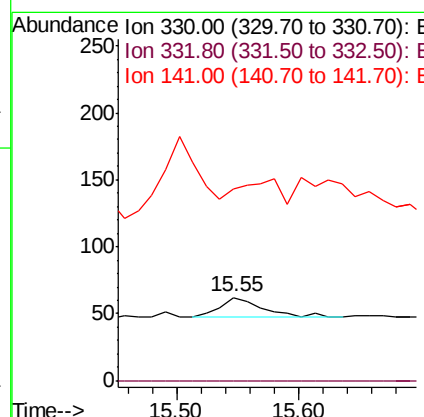
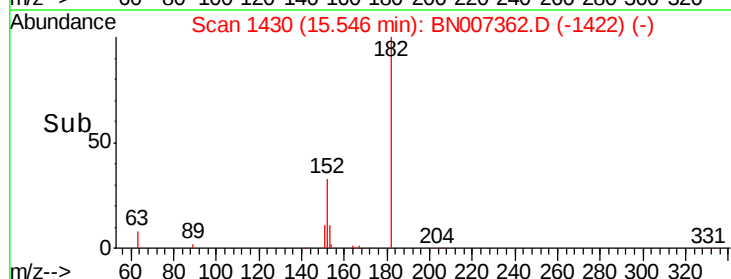
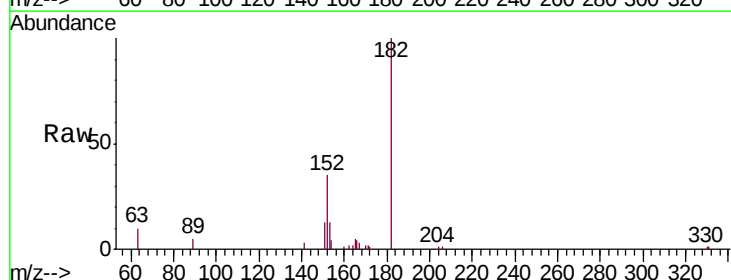
RT: 15.55 min Scan# 1430

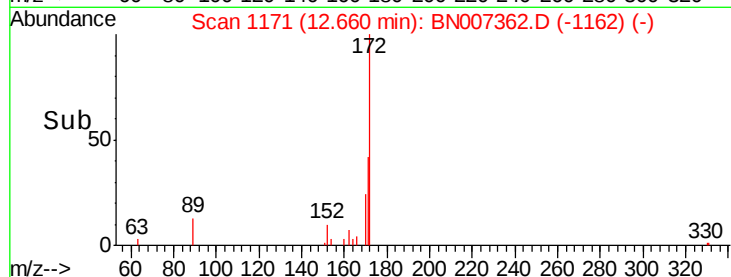
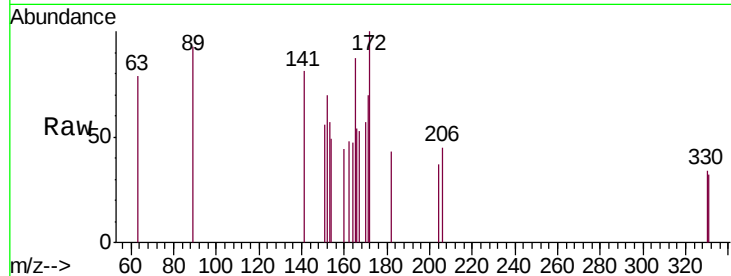
Delta R.T. -0.01 min

Lab File: BN007362.D

Acq: 24 Aug 2019 14:19

Tgt Ion:	330	Resp:	31
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	0.0	26.9	40.3#





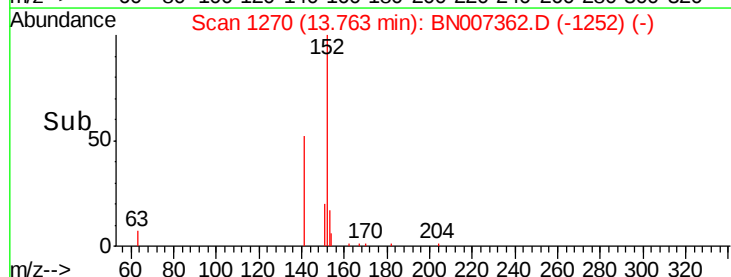
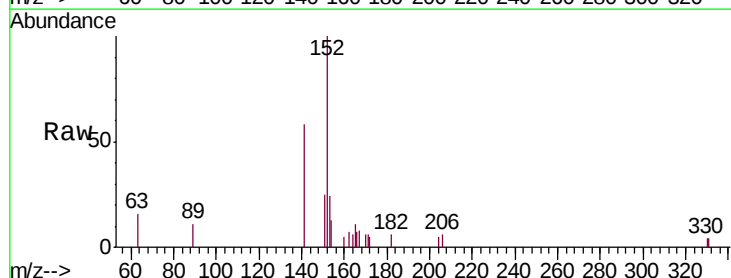
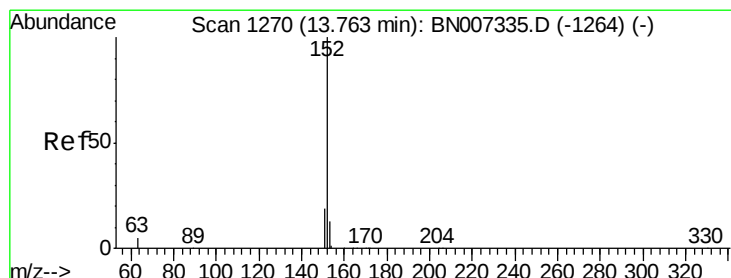
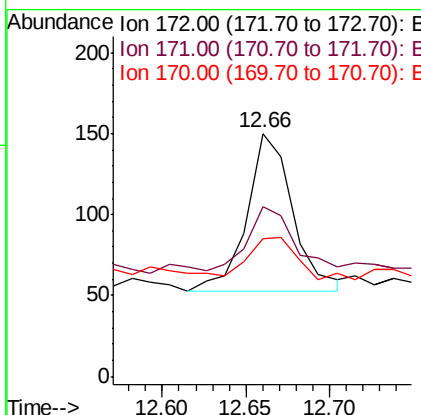
#15
2-Fluorobiphenyl
Concen: 0.004 ng
RT: 12.66 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL2

Tot Ion	Ratio	Lower	Upper
172	100		
171	70.0	30.3	45.5#
170	56.7	20.7	31.1#

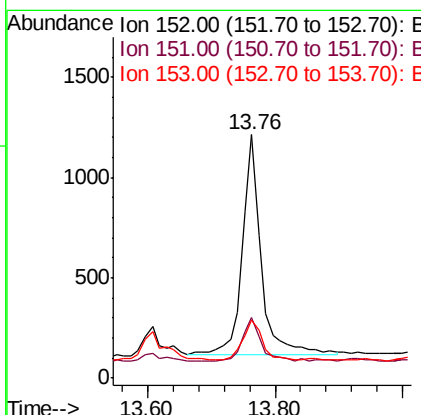
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#16
Acenaphthylene
Concen: 0.031 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.00 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.1	24.1
153	18.7	10.6	15.8#





#17

Acenaphthene

Concen: 1.302 ng

RT: 14.11 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BN007362.D

Acq: 24 Aug 2019 14:19

Instrument :

BNA_N

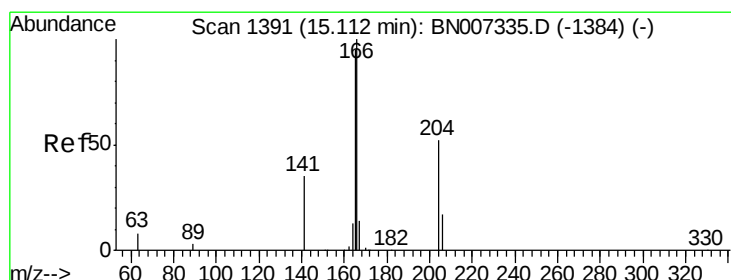
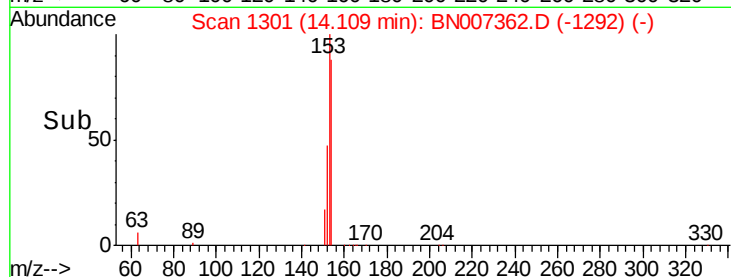
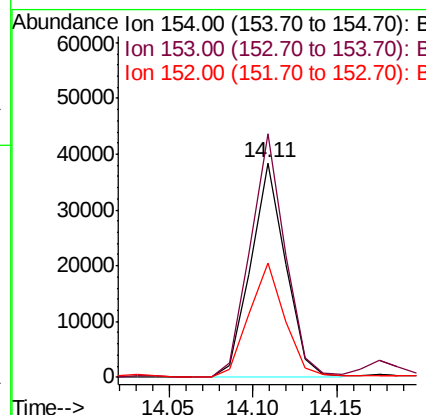
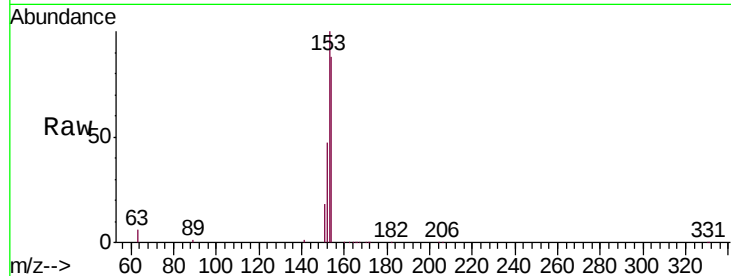
ClientSampleId :

S700-N-0.0-0.5-082019DL2

Tot Ion:	154	Resp:	55339
Ion Ratio	Lower	Upper	
154	100		
153	114.3	92.8	139.2
152	55.1	43.8	65.8

Manual Integrations
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#18

Fluorene

Concen: 1.402 ng

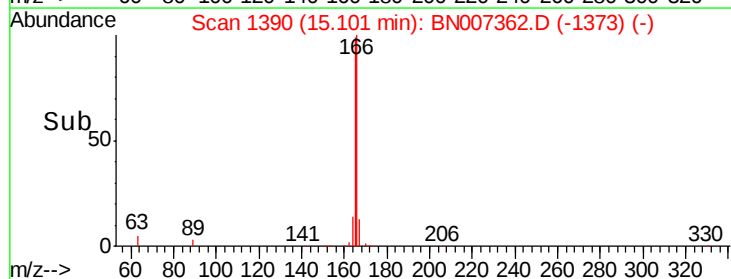
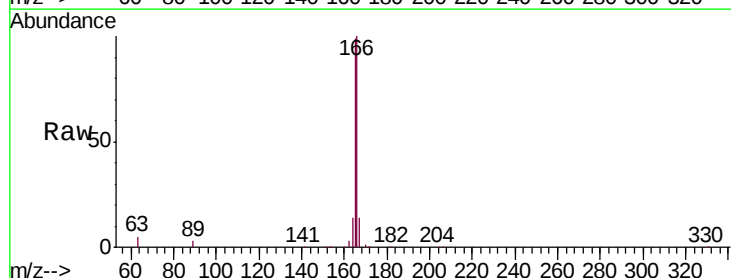
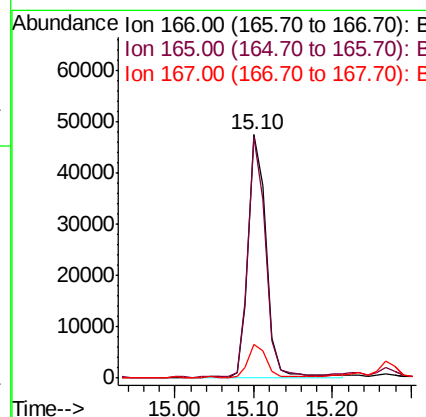
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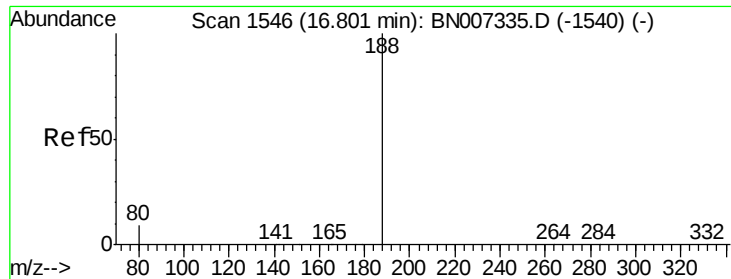
Delta R.T. -0.01 min

Lab File: BN007362.D

Acq: 24 Aug 2019 14:19

Tgt Ion:	166	Resp:	75370
Ion Ratio	Lower	Upper	
166	100		
165	96.4	79.0	118.4
167	13.8	10.6	15.8





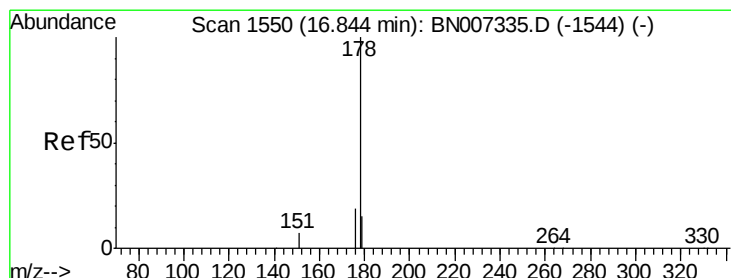
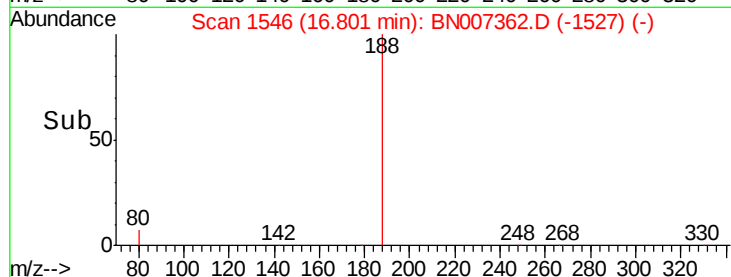
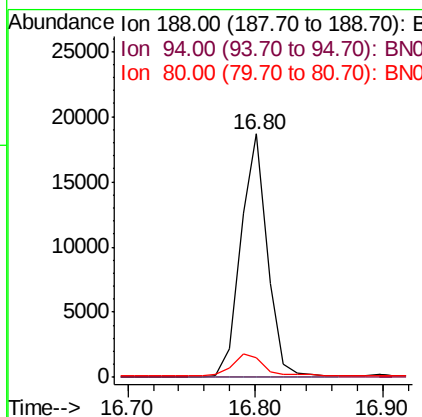
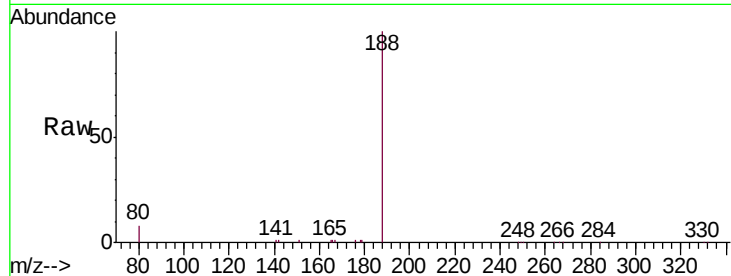
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	26763		
94	0.0	0.0	0.0	
80	7.9	11.8	17.8	

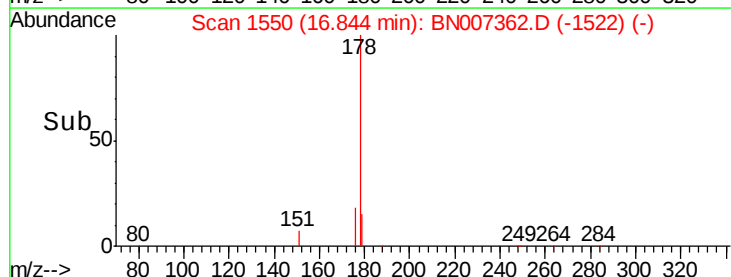
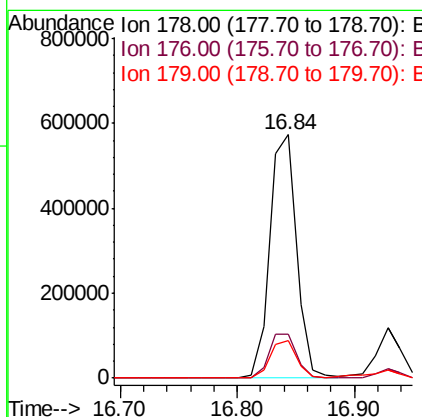
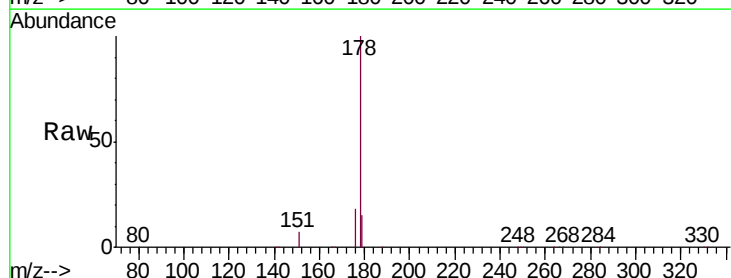
Manual Integrations
APPROVED

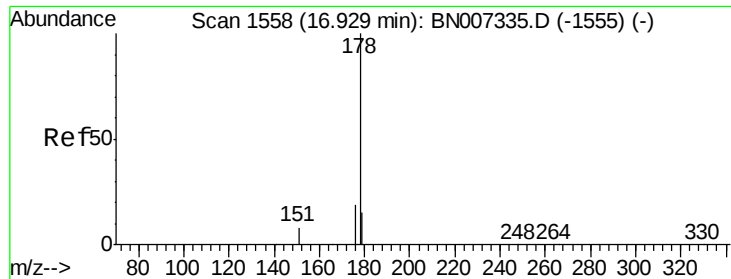
mohammad
8/31/2019 2:40:01 PM



#23
Phenanthrene
Concen: 11.370 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	915297		
176	18.8	15.3	22.9	
179	15.3	12.6	19.0	





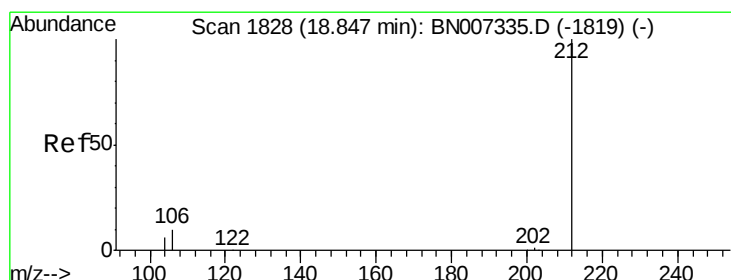
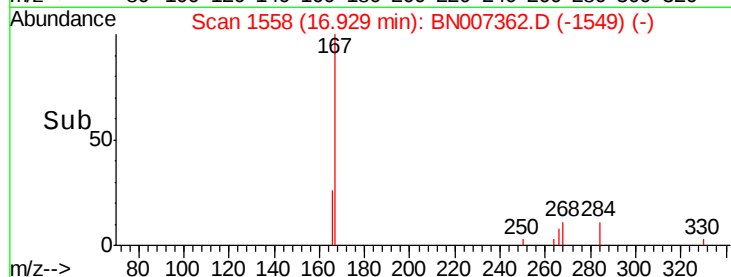
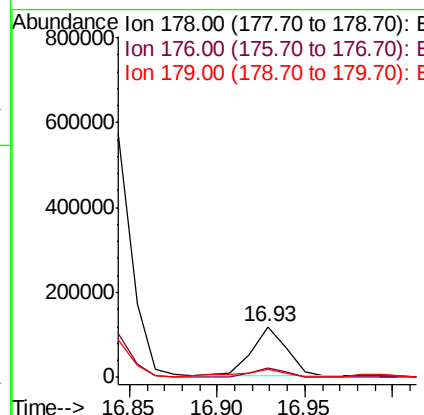
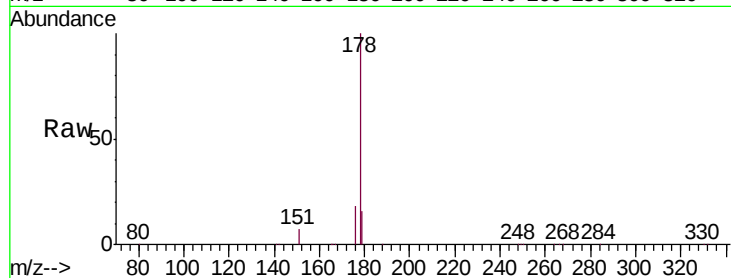
#24
 Anthracene
 Concen: 1.986 ng
 RT: 16.93 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BN007362.D
 Acq: 24 Aug 2019 14:19

Instrument :
 BNA_N
 ClientSampleId :
 S700-N-0.0-0.5-082019DL2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.9	22.3
179	21.6	12.4	18.6

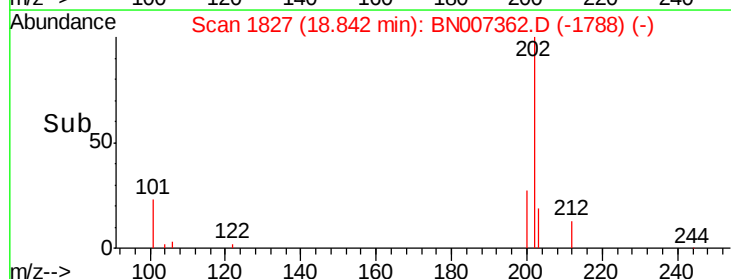
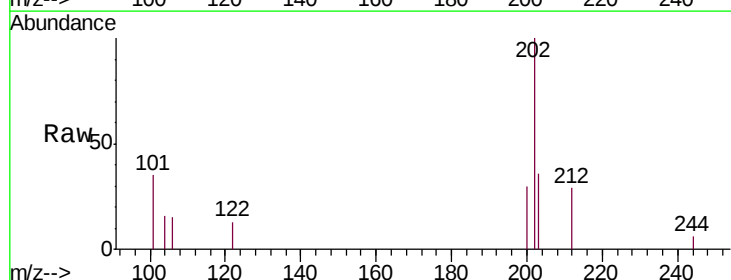
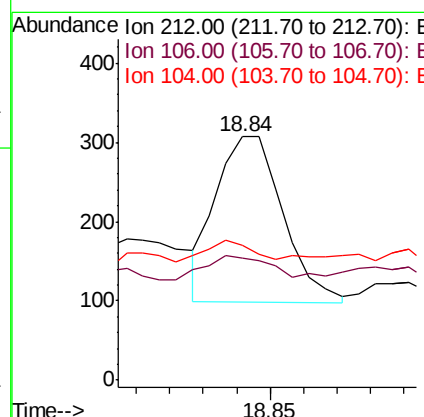
Manual Integrations
 APPROVED

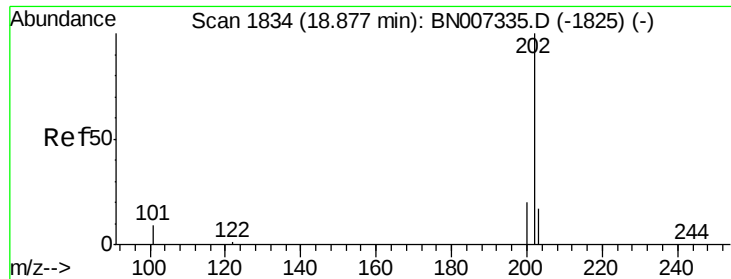
mohammad
 8/31/2019 2:40:01 PM



#25
 Fluoranthene-d10
 Concen: 0.003 ng
 RT: 18.84 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BN007362.D
 Acq: 24 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
212	100		
106	17.9	9.0	13.4
104	9.0	5.4	8.2





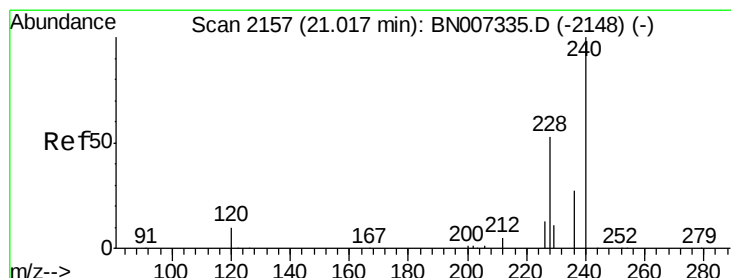
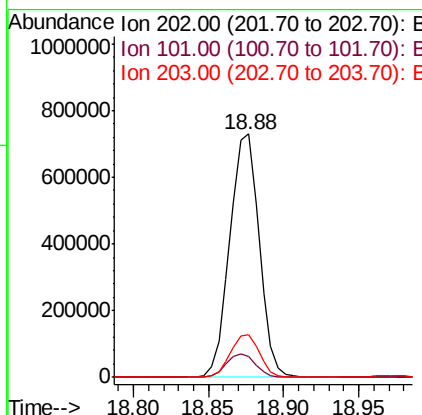
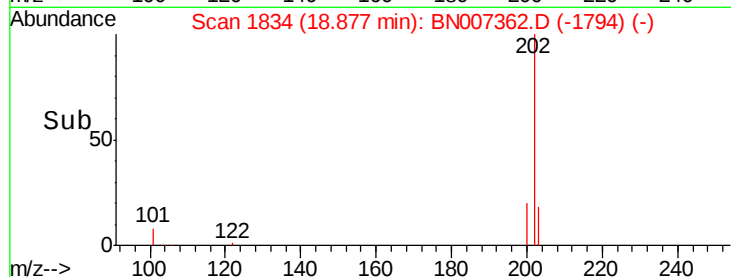
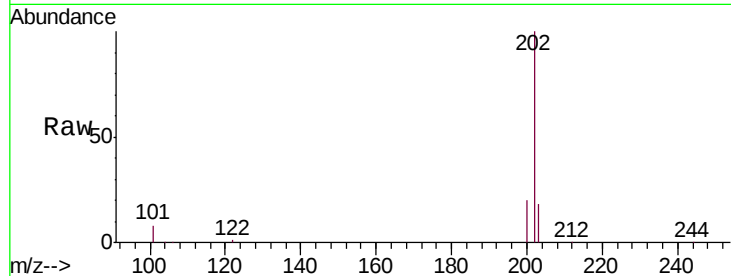
#26
Fluoranthene
Concen: 9.560 ng
RT: 18.88 min Scan# 1834
Delta R.T. -0.00 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	988153		
101	9.5		7.7	11.5
203	17.4		13.7	20.5

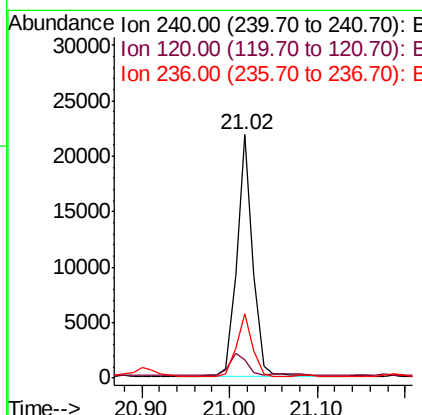
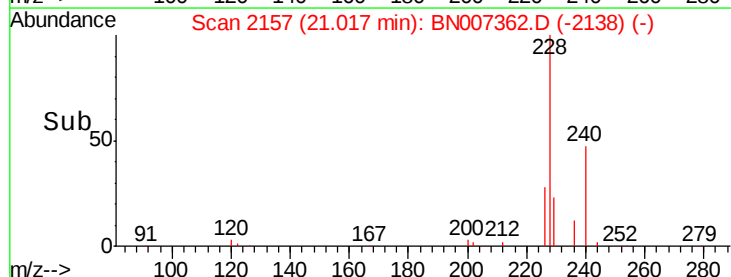
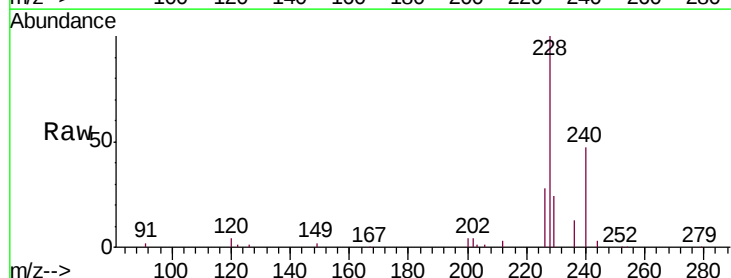
Manual Integrations
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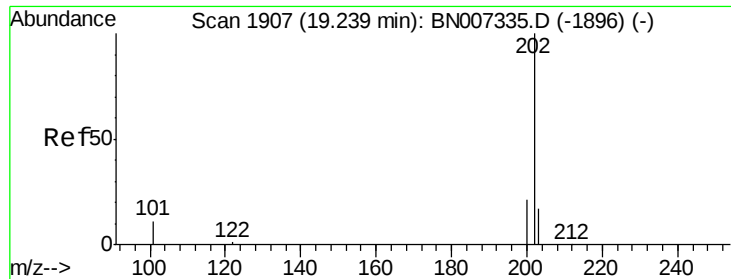
mohammad
8/31/2019 2:40:01 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	27396		
120	7.5		9.6	14.4#
236	26.6		22.2	33.2





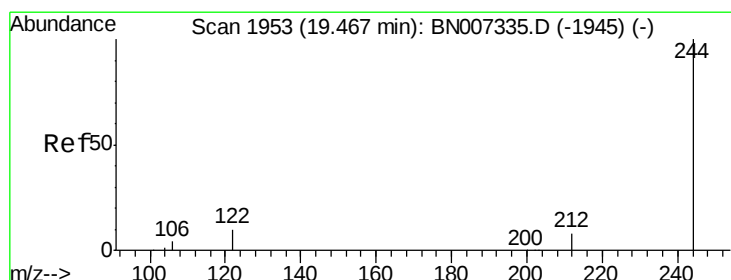
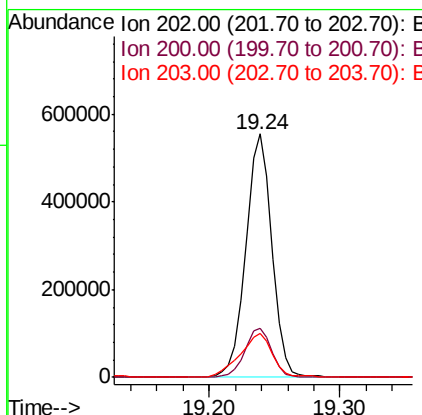
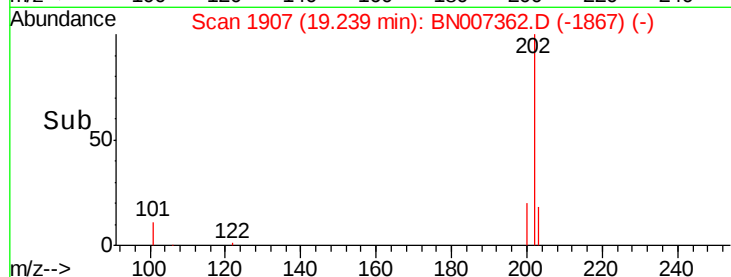
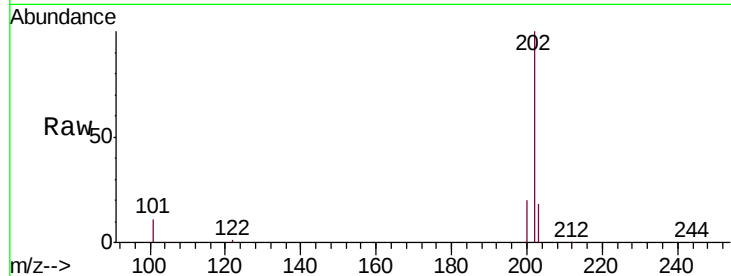
#28
Pvrene
Concen: 7.038 ng
RT: 19.24 min Scan# 1907
Delta R.T. -0.00 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	16.6	25.0
203	22.4	14.2	21.4

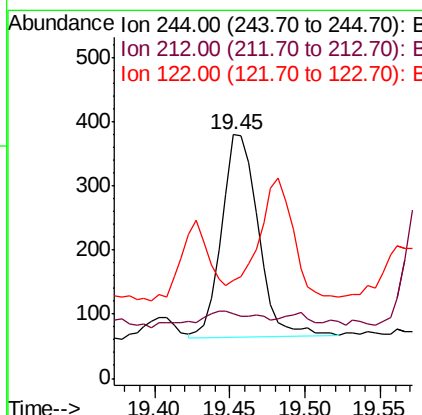
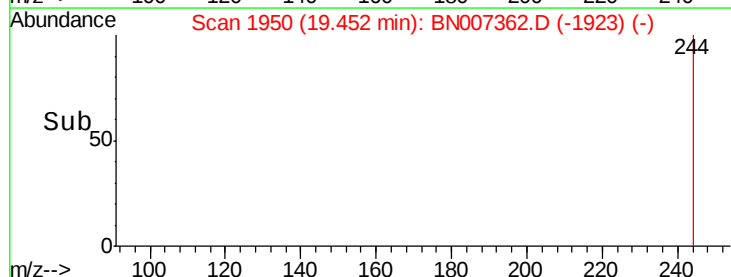
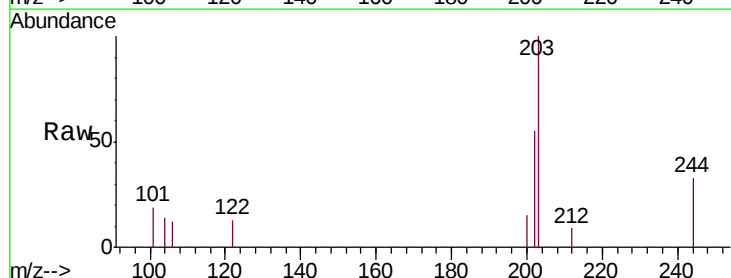
Manual Integrations
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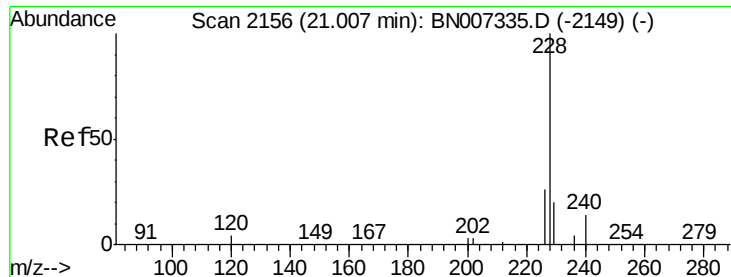
mohammad
8/31/2019 2:40:01 PM



#29
Terphenyl-d14
Concen: 0.007 ng
RT: 19.45 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	26.4	7.0	10.6
122	40.4	9.6	14.4





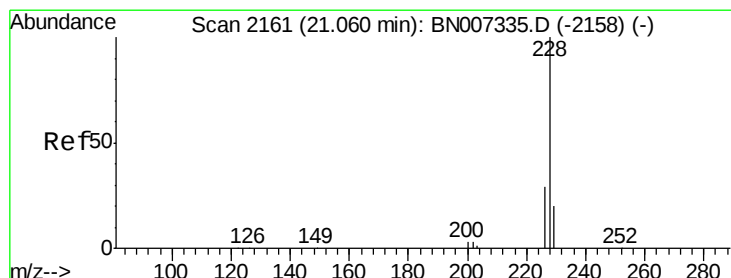
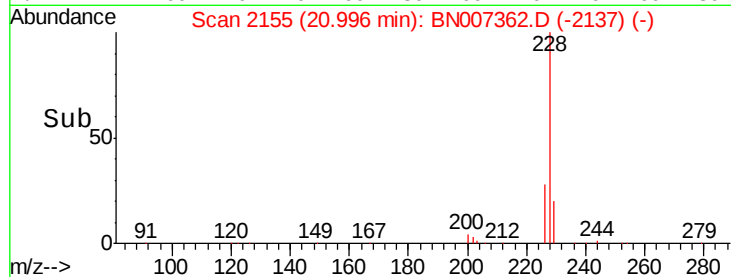
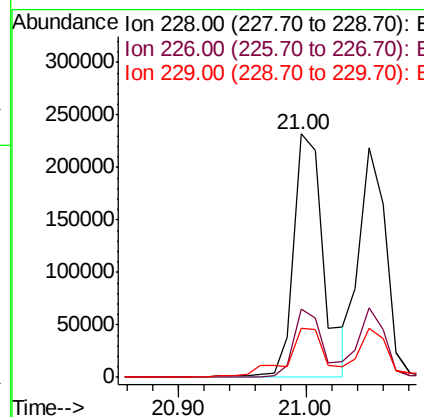
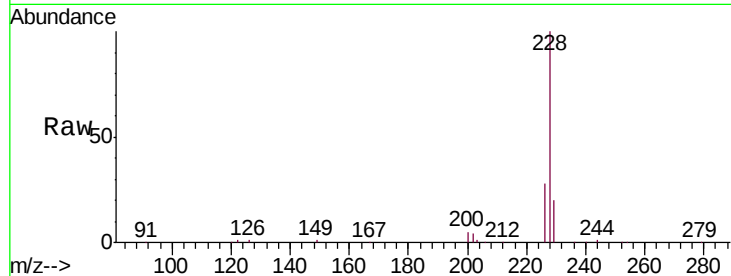
#30
Benzo(a)anthracene
Concen: 3.477 ng
RT: 21.00 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL2

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.3	31.9
229	19.9	16.1	24.1

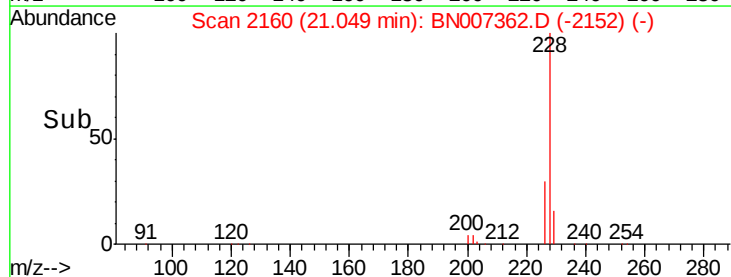
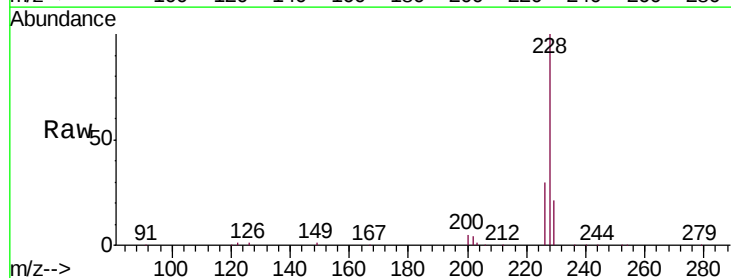
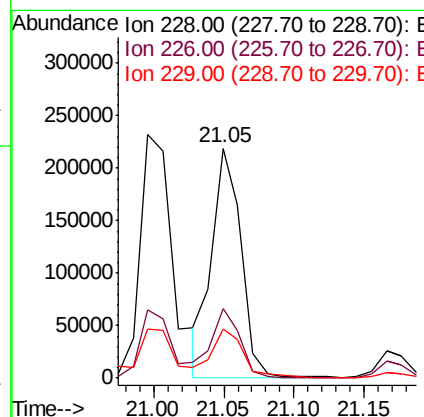
Manual Integrations
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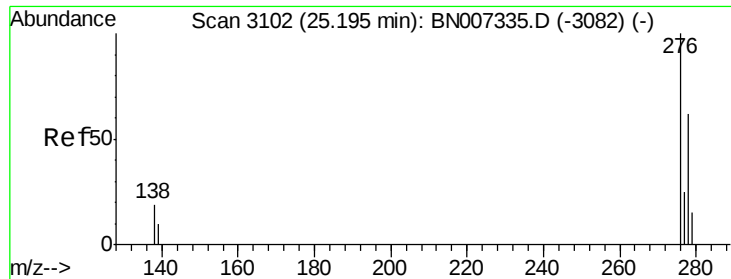
mohammad
8/31/2019 2:40:01 PM



#31
Chrysene
Concen: 3.028 ng
RT: 21.05 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.5	35.3
229	21.4	16.6	24.8





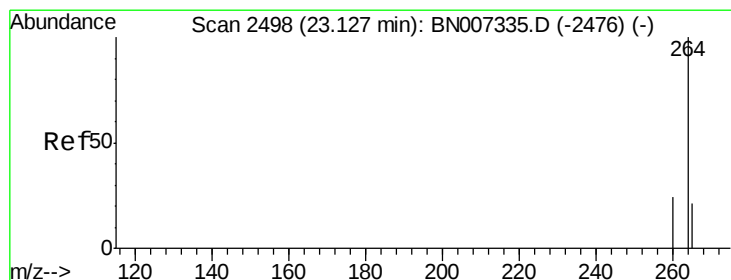
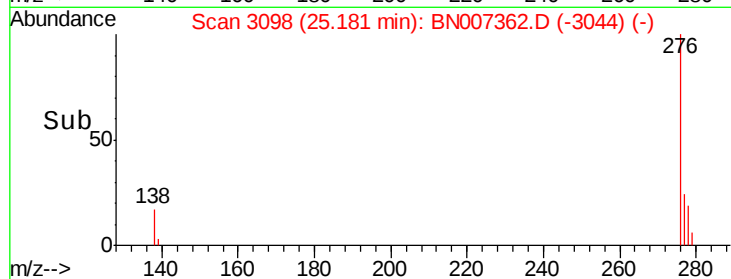
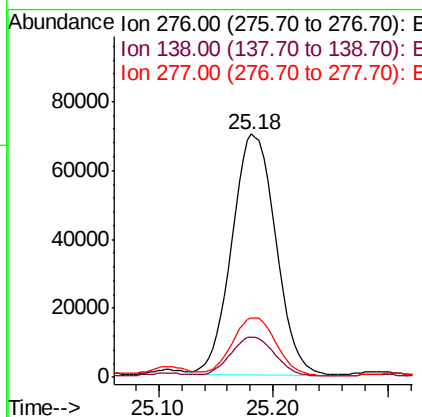
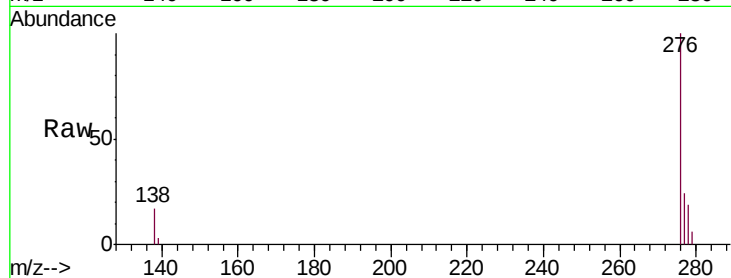
#33
Indeno(1,2,3-cd)pyrene
Concen: 1.488 ng
RT: 25.18 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL2

Tot Ion	Ratio	Resp	Lower	Upper
276	100	186178		
138	16.5		15.1	22.7
277	24.3		19.7	29.5

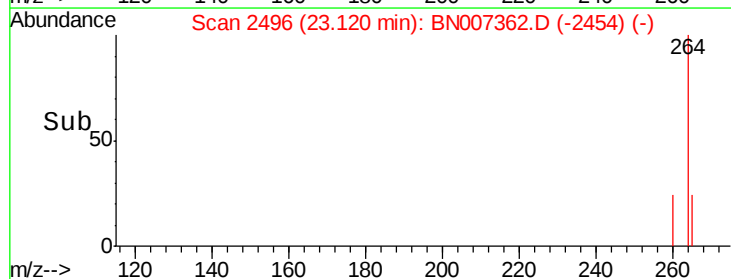
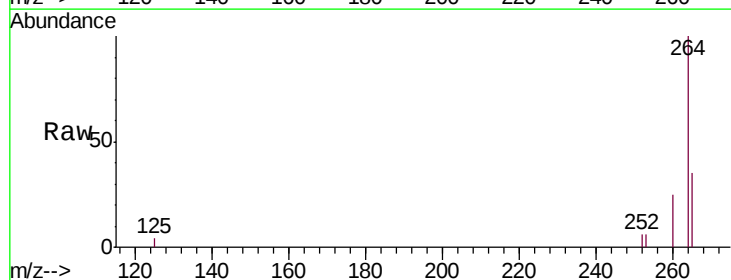
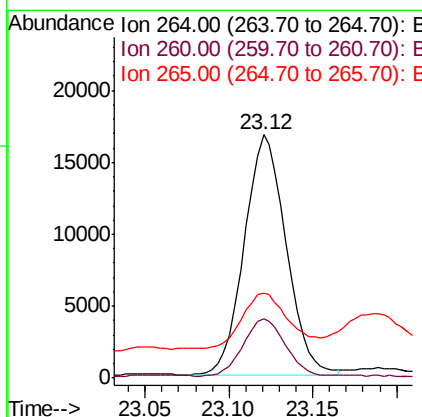
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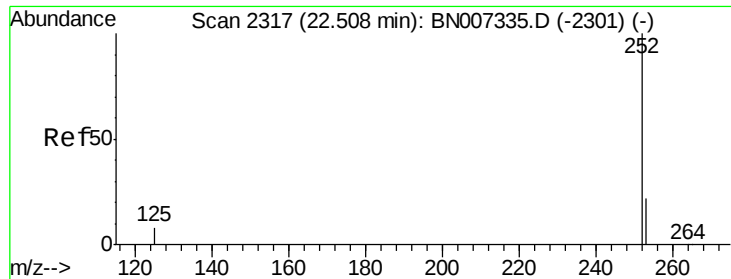
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2496
Delta R.T. -0.01 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	29137		
260	24.6		19.7	29.5
265	34.9		29.9	44.9





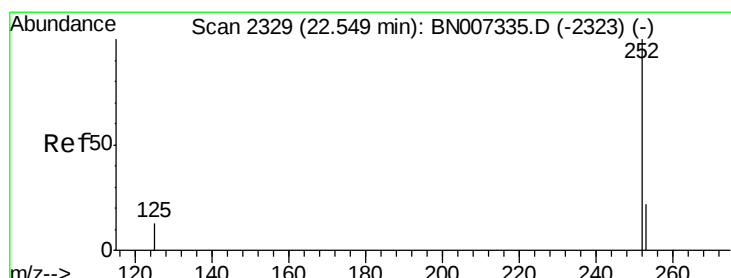
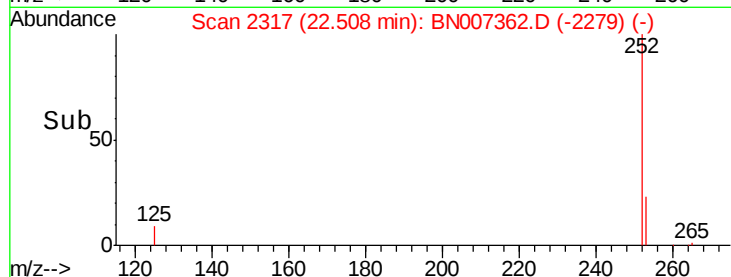
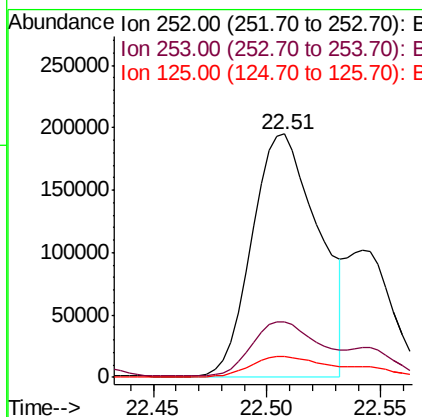
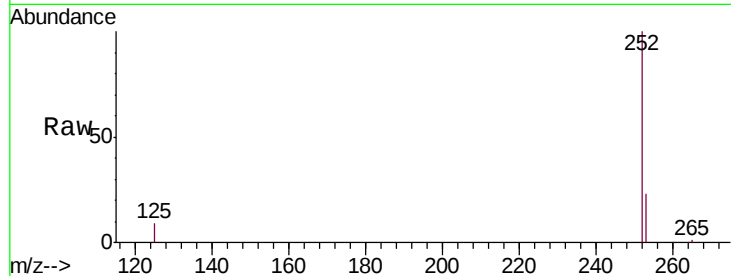
#35
Benzo(b)fluoranthene
Concen: 3.775 ng m
RT: 22.51 min Scan# 2317
Delta R.T. -0.00 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.2	28.8
125	8.5	10.6	16.0

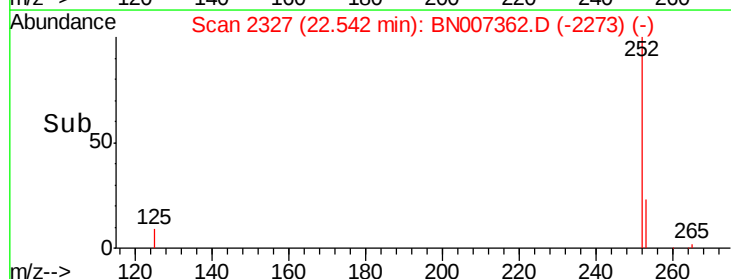
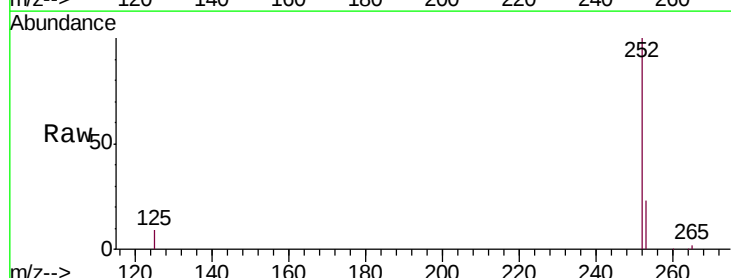
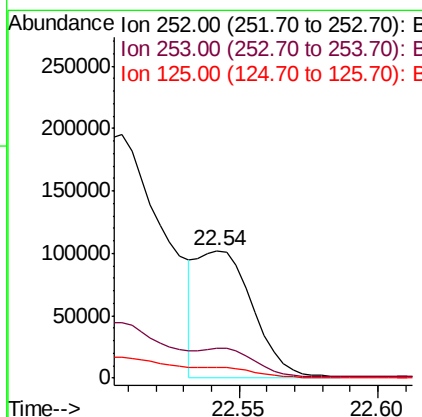
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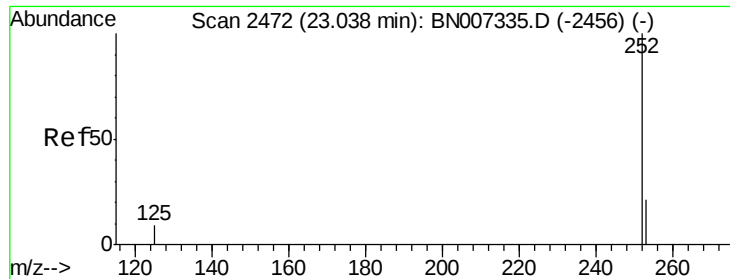
mohammad
8/31/2019 2:40:01 PM



#36
Benzo(k)fluoranthene
Concen: 1.373 ng m
RT: 22.54 min Scan# 2327
Delta R.T. -0.01 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.4	29.2
125	8.8	13.1	19.7





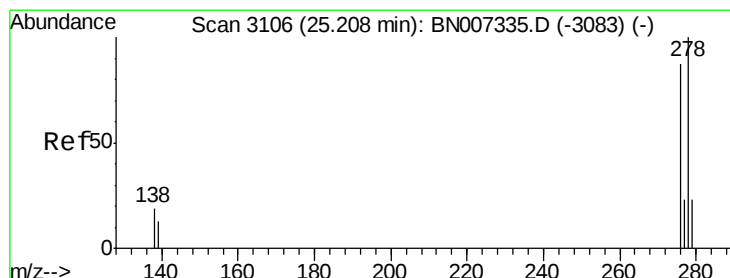
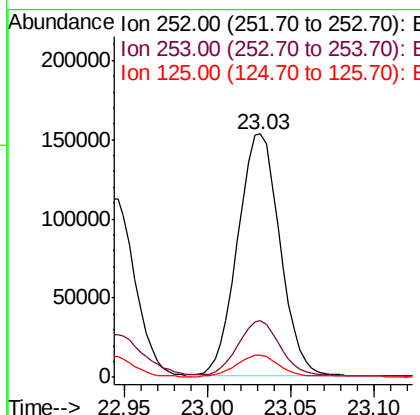
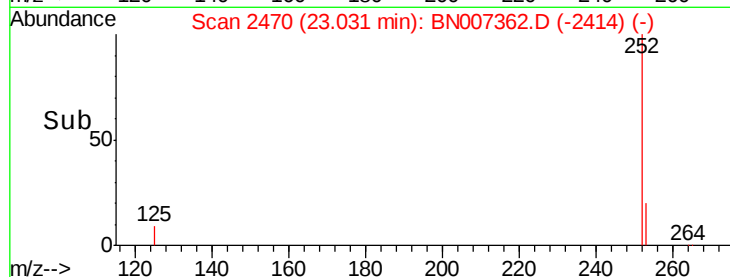
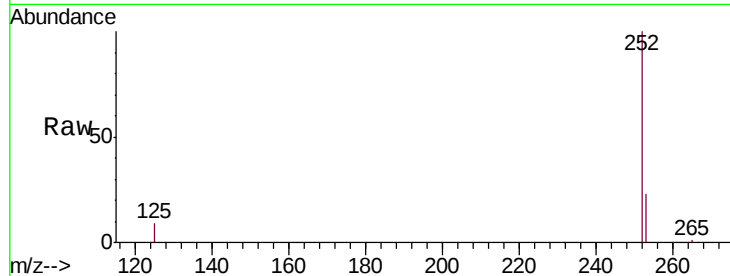
#37
Benzo(a)pyrene
Concen: 2.678 ng/ml
RT: 23.03 min Scan# 2470
Delta R.T. -0.01 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	268991		
253	23.1	19.5	29.3	
125	8.9	12.1	18.1	

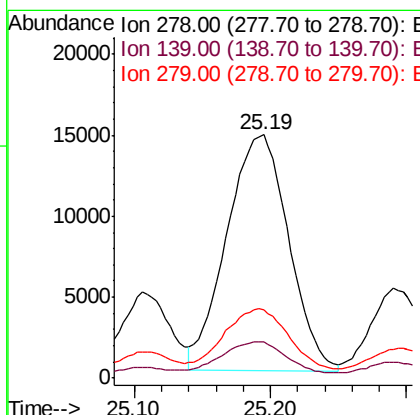
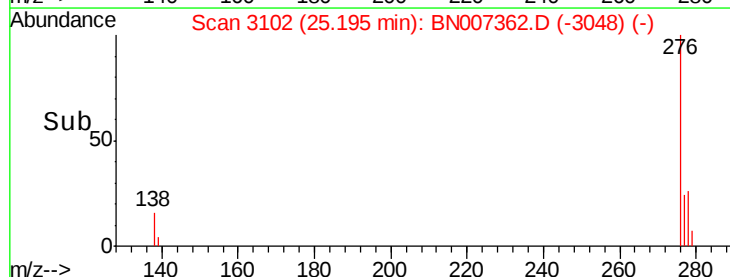
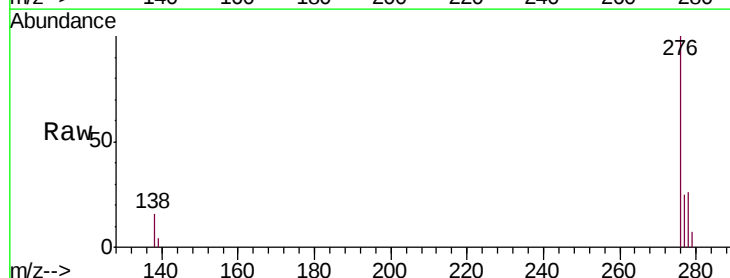
Manual Integrations
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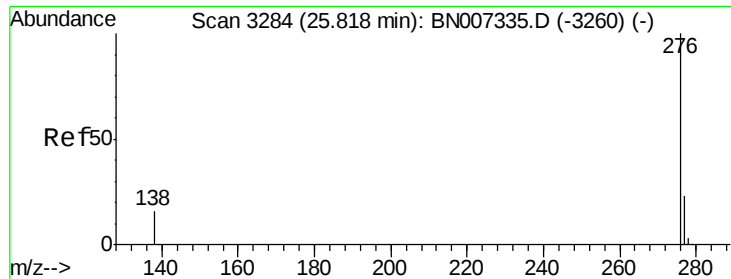
mohammad
8/31/2019 2:40:01 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.458 ng
RT: 25.19 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BN007362.D
Acq: 24 Aug 2019 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	45951		
139	14.8	13.7	20.5	
279	28.0	20.2	30.4	





#39

Benzo(a,h,i)perylene

Concen: 1.846 ng

RT: 25.81 min Scan# 3281

Delta R.T. -0.01 min

Lab File: BN007362.D

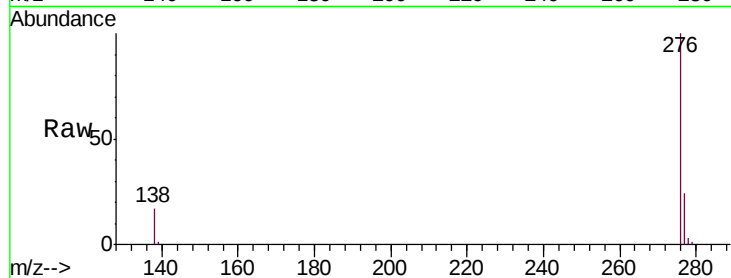
Acq: 24 Aug 2019 14:19

Instrument :

BNA_N

ClientSampleId :

S700-N-0.0-0.5-082019DL2



Tot Ion	Ion	Ratio	Resp	Lower	Upper
184336	276	100			
	277	24.2		19.6	29.4
	138	16.8		16.3	24.5

Manual Integrations
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8/31/2019 2:40:01 PM

