

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
 Data File : BN007383.D
 Acq On : 25 Aug 2019 04:18
 Operator : HP/JU
 Sample : K4440-05DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-2.0-2.5-082019-FDDL

Manual Integrations
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Quant Time: Aug 25 05:35:38 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	6882	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	28233	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	14257	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	29603	0.40	ng	0.00
27) Chrysene-d12	21.02	240	31249	0.40	ng	0.00
34) Perylene-d12	23.12	264	34780	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.03	112	1083	0.02	ng	0.00
5) Phenol-d6	6.59	99	1430	0.02	ng	0.00
8) Nitrobenzene-d5	8.54	82	867	0.04	ng	0.01
11) 2-Methylnaphthalene-d10	11.76	152	1737	0.04	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	265	0.04	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	2063	0.04	ng	0.00
25) Fluoranthene-d10	18.84	212	3545	0.04	ng	0.00
29) Terphenyl-d14	19.46	244	2542	0.03	ng	0.00
Target Compounds						
23) Phenanthrene	16.84	178	3813	0.043	ng	99
26) Fluoranthene	18.87	202	14542	0.127	ng	99
28) Pyrene	19.24	202	13581	0.108	ng	# 94
30) Benzo(a)anthracene	21.00	228	9147	0.075	ng	# 87
31) Chrysene	21.05	228	6964	0.059	ng	# 88
32) Bis(2-ethylhexyl)phthalate	20.96	149	4674	0.040	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.18	276	5332	0.037	ng	# 81
35) Benzo(b)fluoranthene	22.51	252	10761	0.085	ng	# 76
36) Benzo(k)fluoranthene	22.54	252	4201m	0.034	ng	
37) Benzo(a)pyrene	23.03	252	7484	0.062	ng	# 73
39) Benzo(a,h,i)perylene	25.81	276	5994	0.050	ng	# 81

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

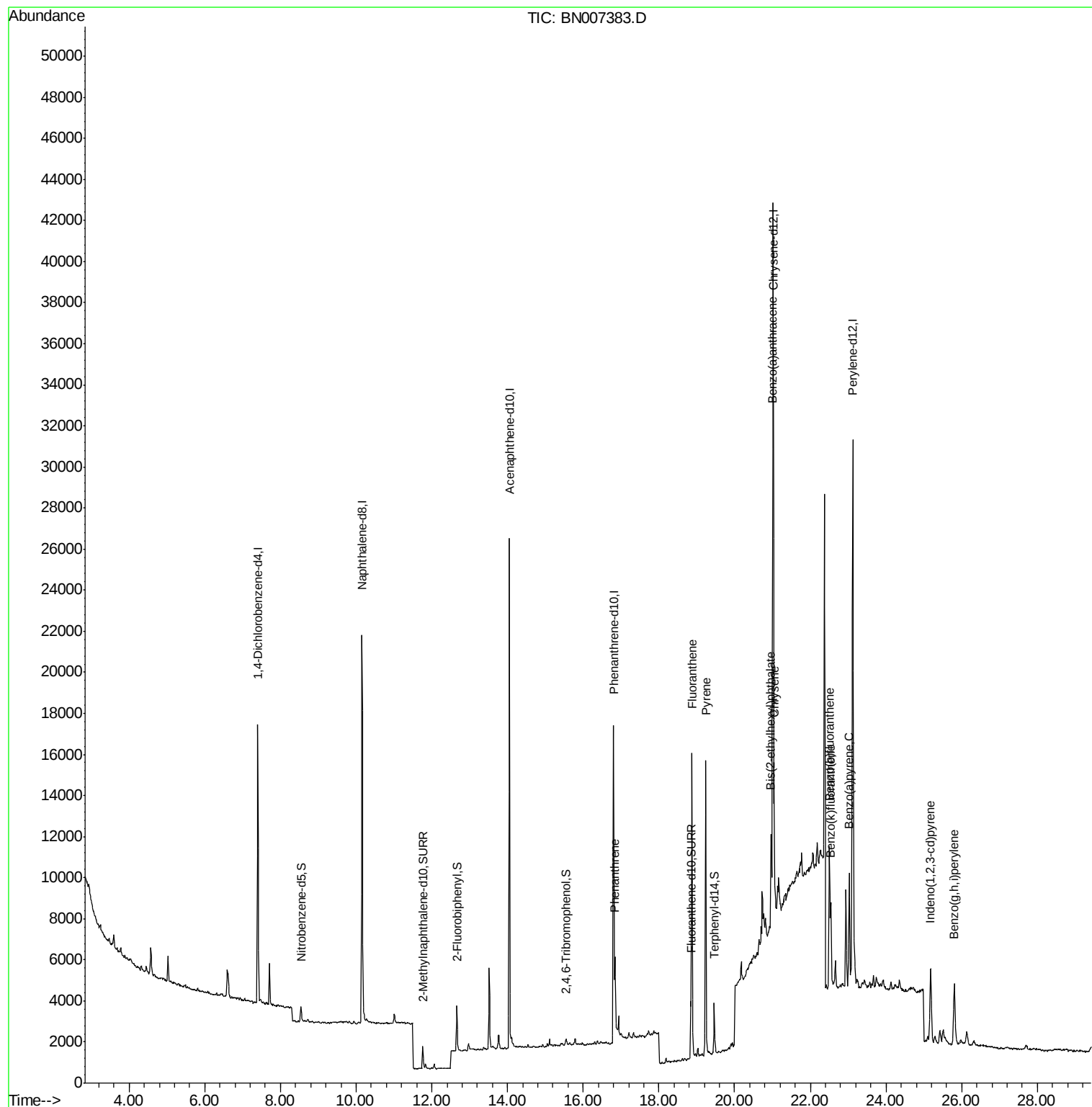
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
Data File : BN007383.D
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#1

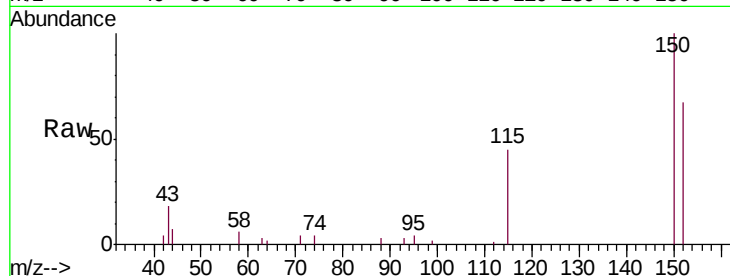
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Instrument :
BNA_N
ClientSampleId :
S302-J-2.0-2.5-082019-FDDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.3	109.1	163.7
115	67.4	59.6	89.4

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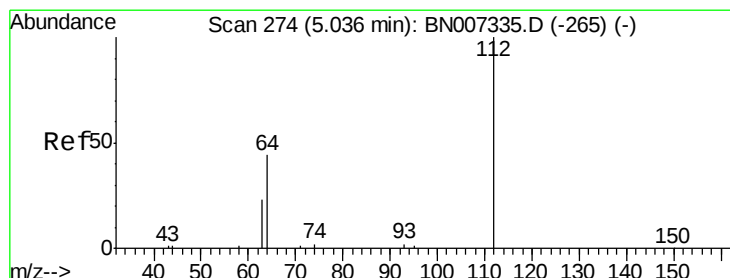
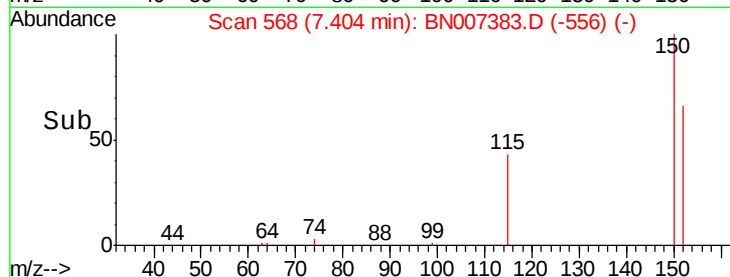
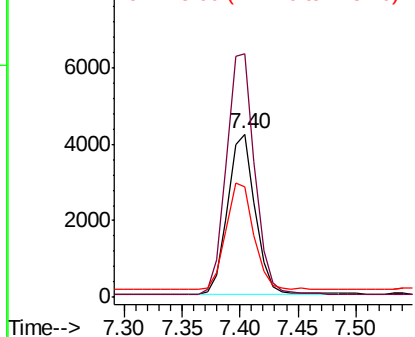


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

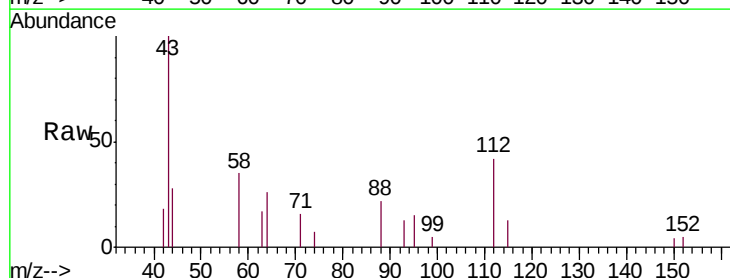
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.019 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	42.3	63.5
63	28.7	23.6	35.4

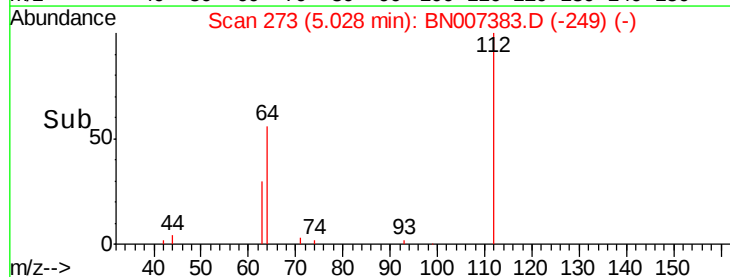
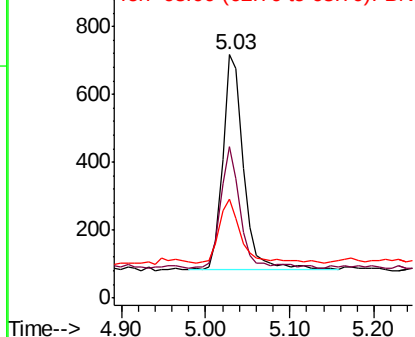


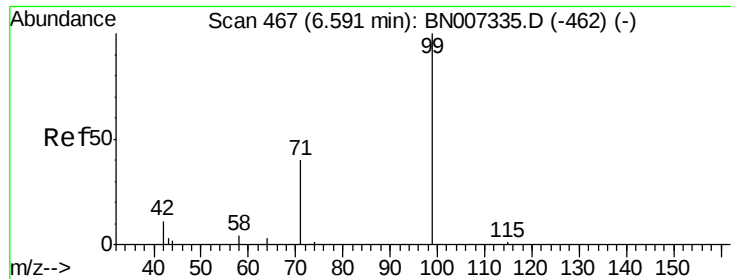
Abundance

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: 0.018 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

Instrument :

BNA_N

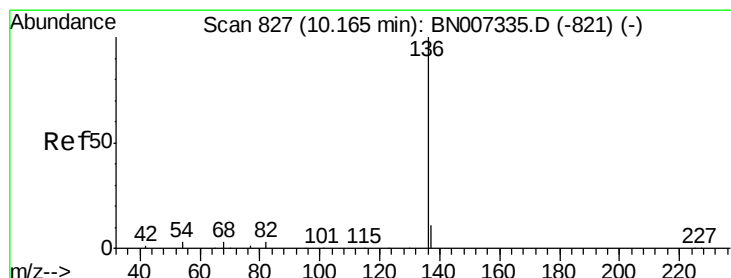
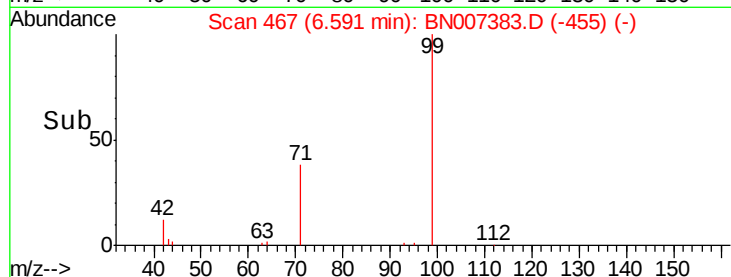
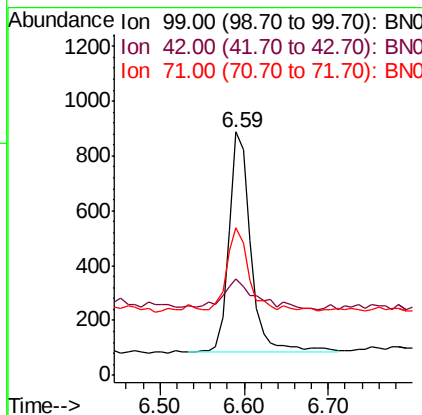
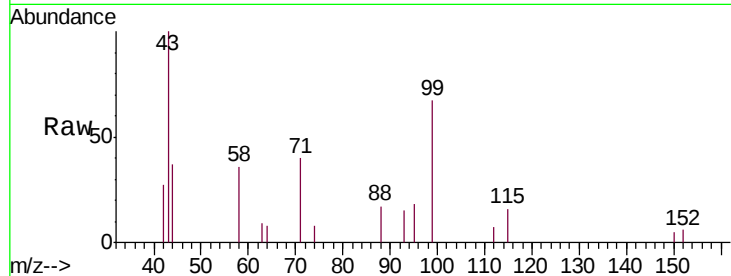
ClientSampleId :

S302-J-2.0-2.5-082019-FDDL

Tot Ion:	99	Resp:	1430
Ion	Ratio	Lower	Upper
99	100		
42	22.5	11.2	16.8#
71	35.6	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

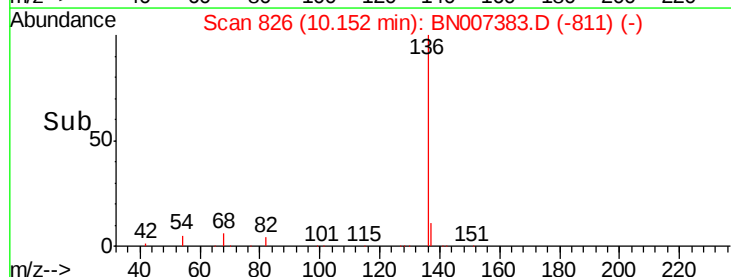
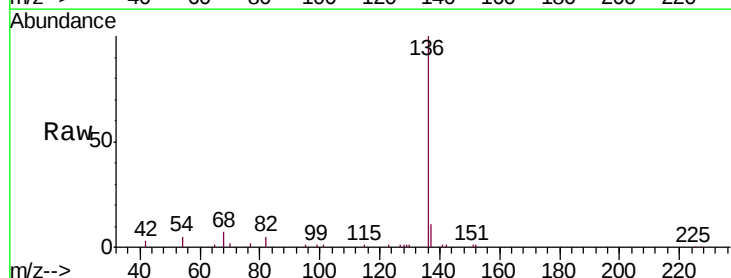
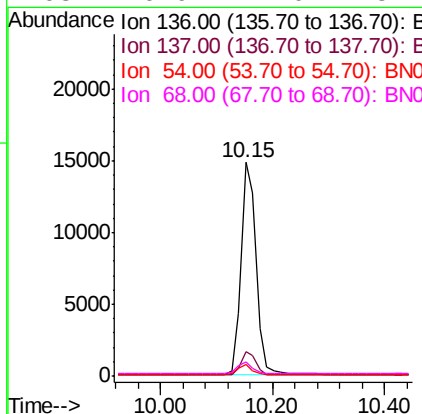
RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

Tgt Ion:	136	Resp:	28233
Ion	Ratio	Lower	Upper
136	100		
137	11.2	12.9	19.3#
54	5.5	8.6	12.8#
68	6.9	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.035 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.01 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

Instrument :

BNA_N

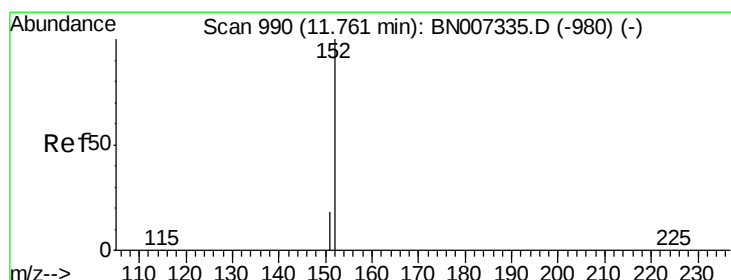
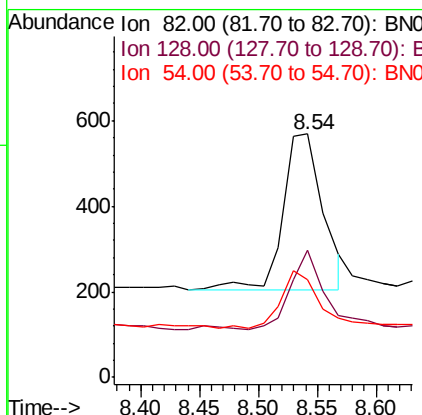
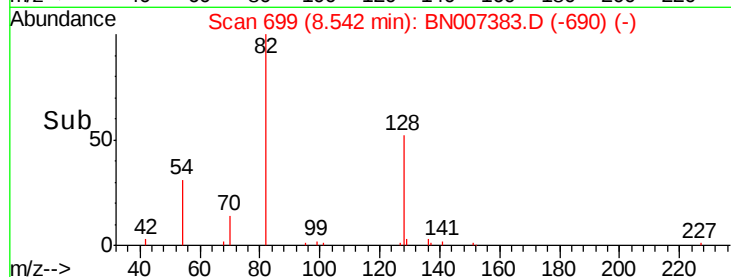
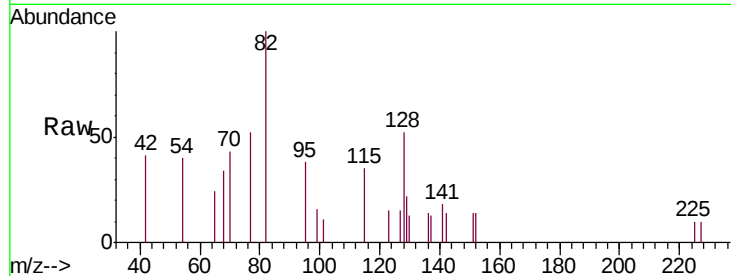
ClientSampleId :

S302-J-2.0-2.5-082019-FDDL

Tot Ion:	82	Resp:	867
Ion Ratio	Lower	Upper	
82	100		
128	52.4	19.7	29.5#
54	40.2	25.8	38.6#

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#11

2-Methylnaphthalene-d10

Concen: 0.037 ng

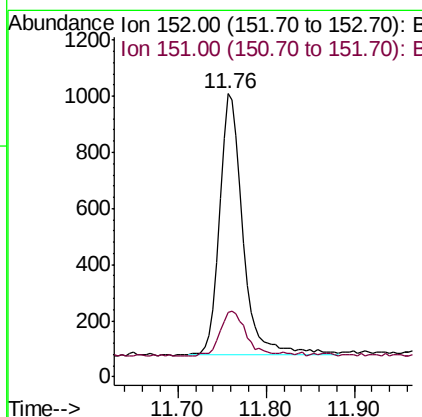
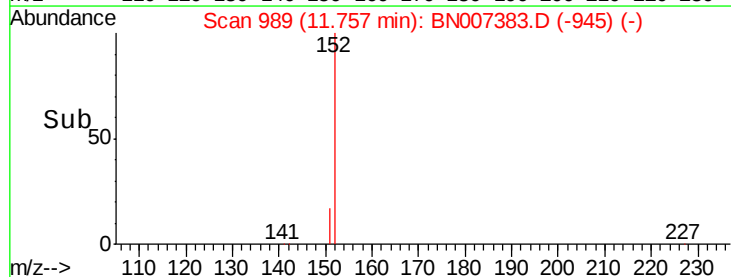
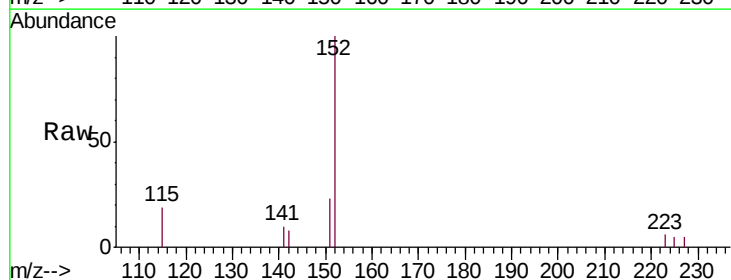
RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

Tgt Ion:	152	Resp:	1737
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.2	24.2





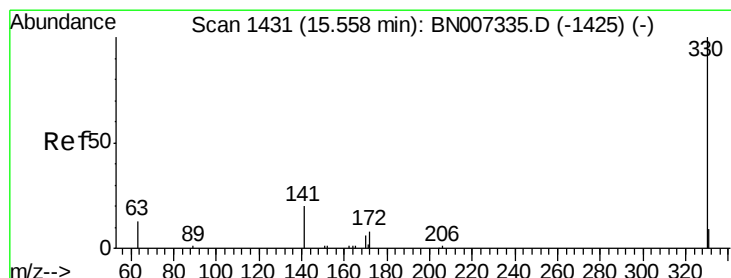
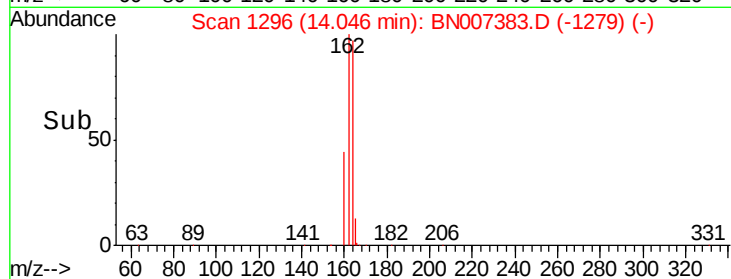
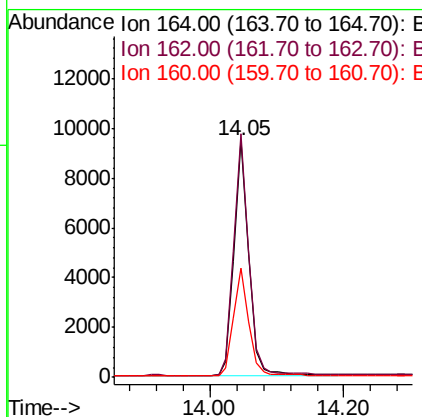
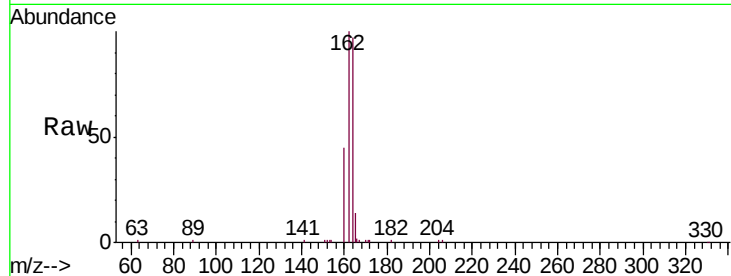
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Instrument :
BNA_N
ClientSampleId :
S302-J-2.0-2.5-082019-FDDL

Tot Ion:	164	Resp:	14257
Ion Ratio	Lower	Upper	
164	100		
162	102.9	83.5	125.3
160	46.1	38.2	57.4

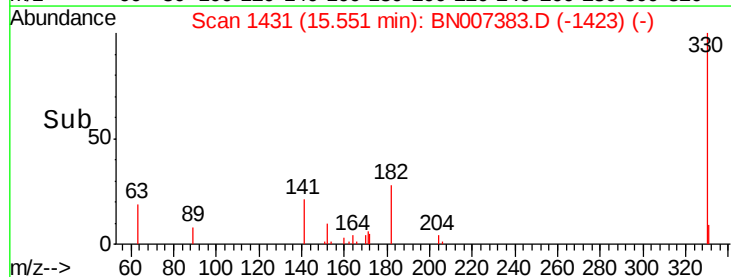
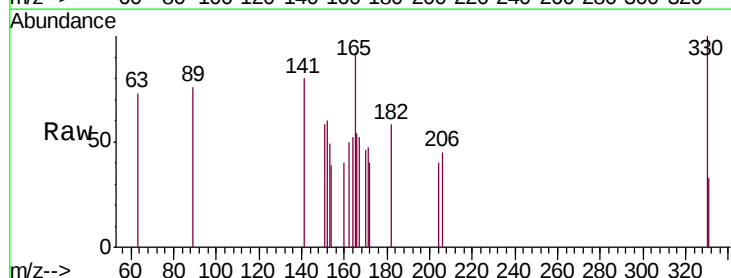
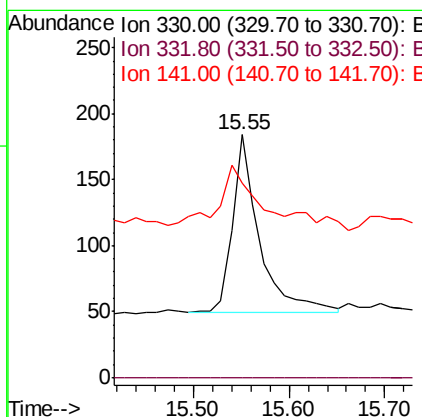
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#14
2,4,6-Tribromophenol
Concen: 0.036 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Tgt Ion:	330	Resp:	265
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	67.2	26.9	40.3#





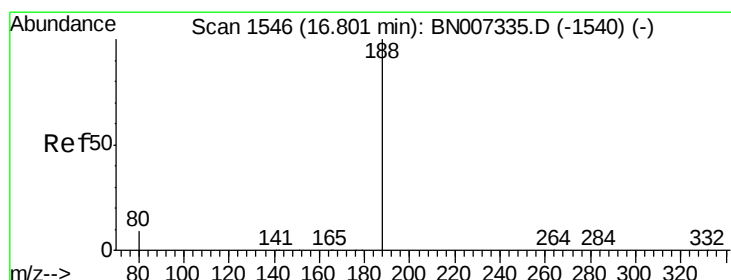
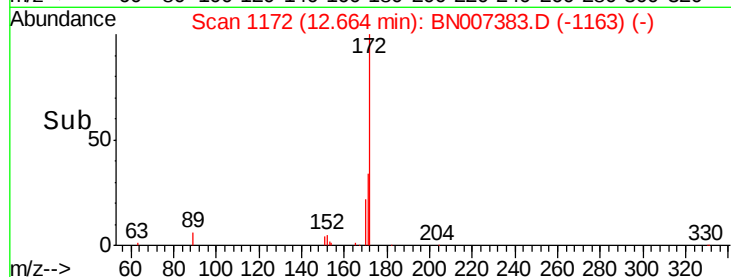
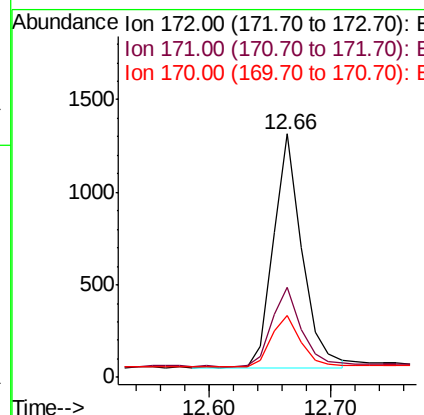
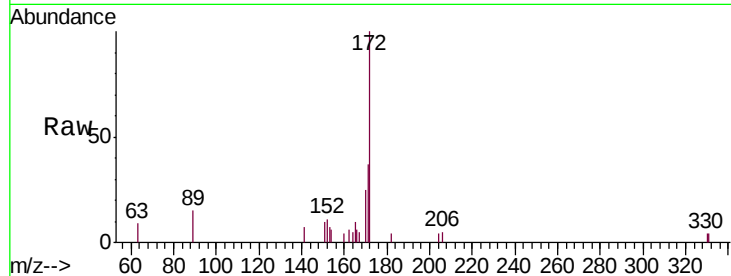
#15
2-Fluorobiphenyl
Concen: 0.036 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Instrument :
BNA_N
ClientSampled :
S302-J-2.0-2.5-082019-FDDL

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.3	45.5
170	25.4	20.7	31.1

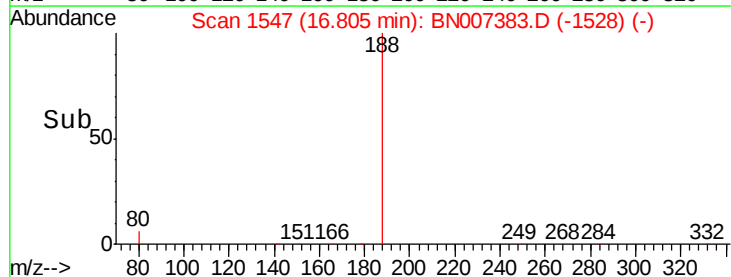
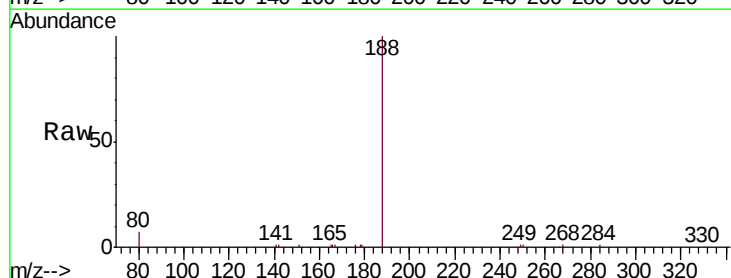
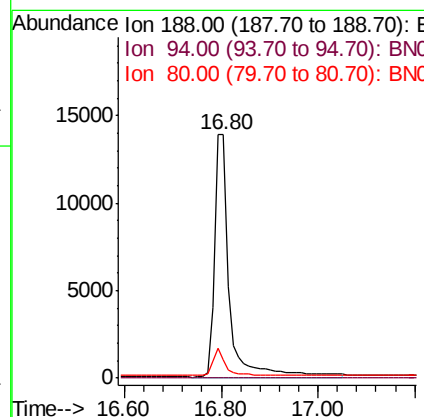
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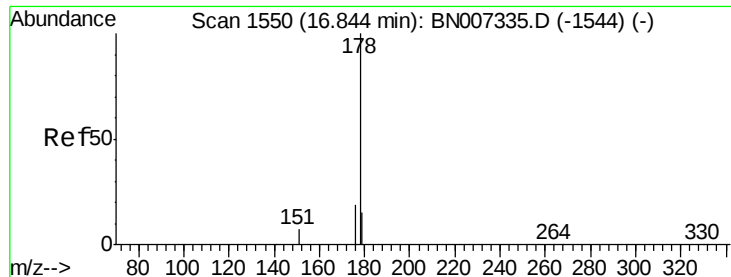
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	11.8	17.8#





#23

Phenanthrene

Concen: 0.043 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

Instrument :

BNA_N

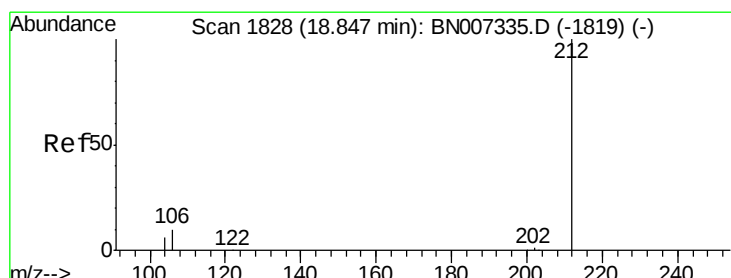
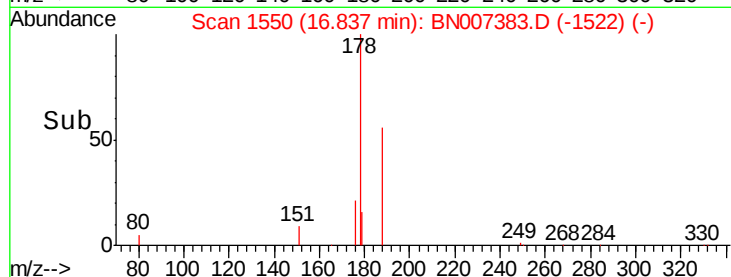
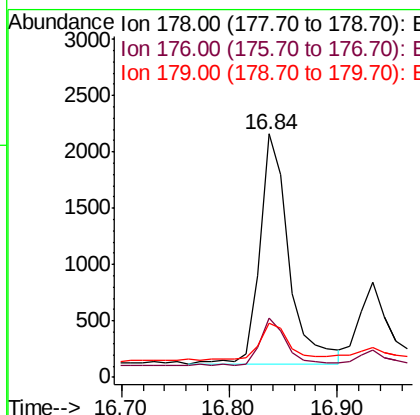
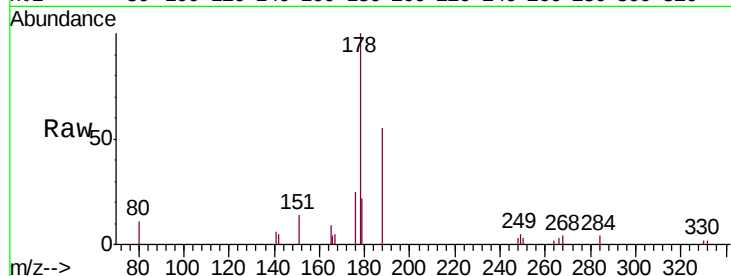
ClientSampleId :

S302-J-2.0-2.5-082019-FDDL

Tot Ion:178	Resp:	3813
Ion Ratio	Lower	Upper
178	100	
176	19.3	15.3 22.9
179	16.9	12.6 19.0

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#25

Fluoranthene-d10

Concen: 0.037 ng

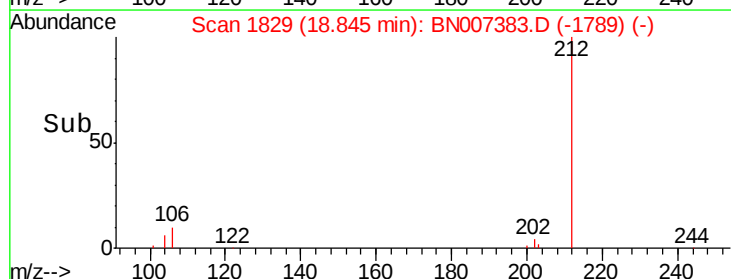
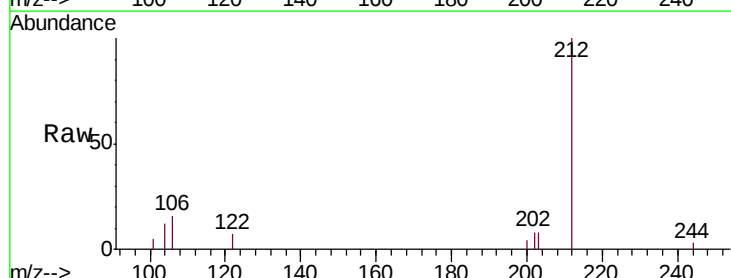
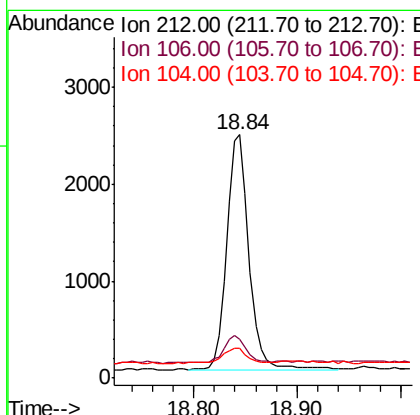
RT: 18.84 min Scan# 1829

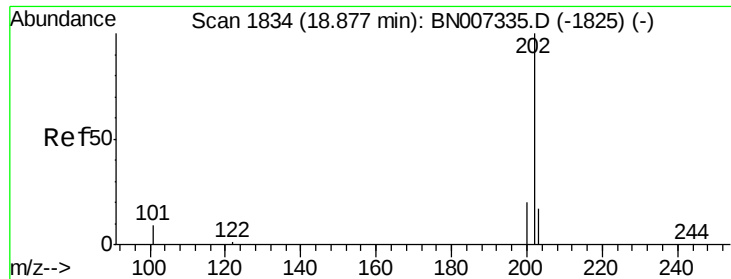
Delta R.T. -0.00 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

Tgt Ion:212	Resp:	3545
Ion Ratio	Lower	Upper
212	100	
106	11.1	9.0 13.4
104	7.0	5.4 8.2





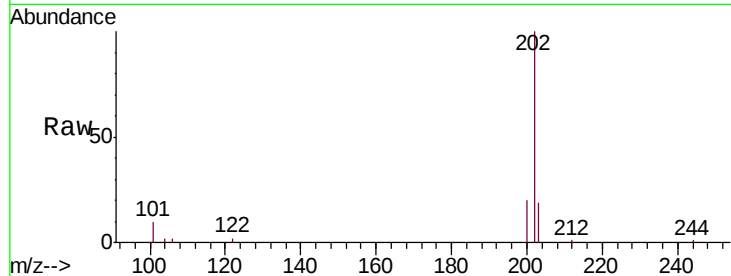
#26
Fluoranthene
 Concen: 0.127 ng
 RT: 18.87 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: BN007383.D
 Acq: 25 Aug 2019 04:18

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-2.0-2.5-082019-FDDL

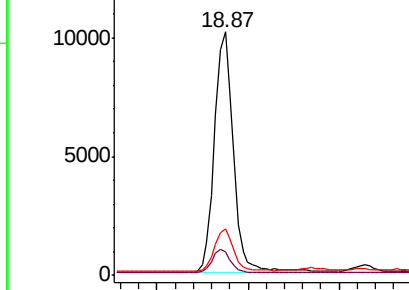
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.7	11.5
203	17.5	13.7	20.5

Manual Integrations
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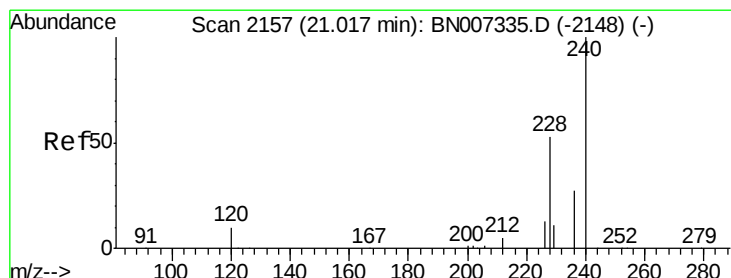
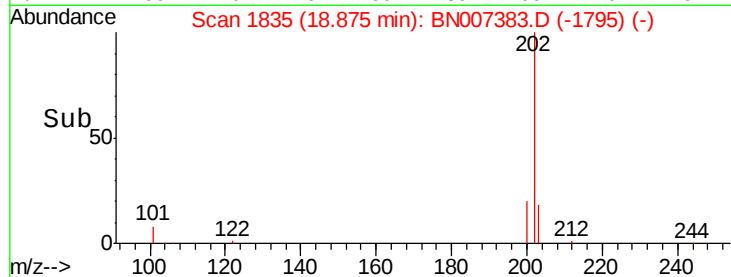
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Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E



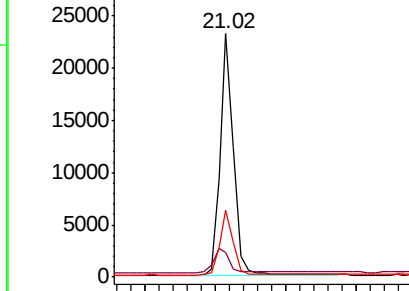
Time-->



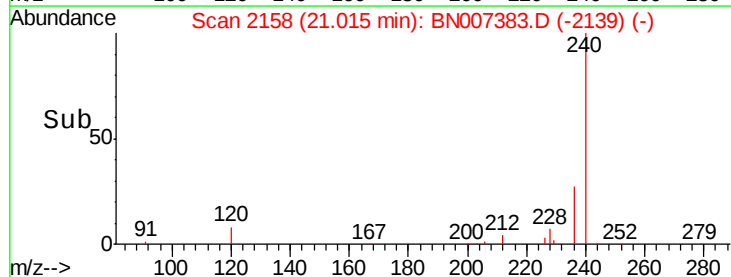
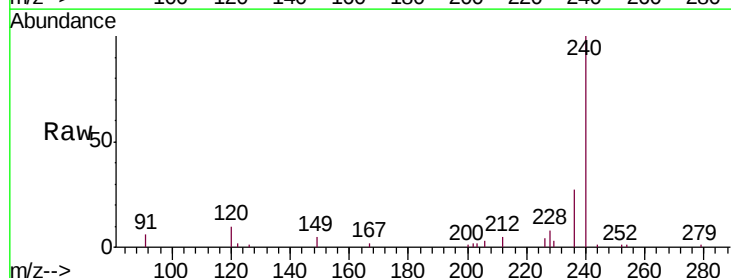
#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.02 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BN007383.D
 Acq: 25 Aug 2019 04:18

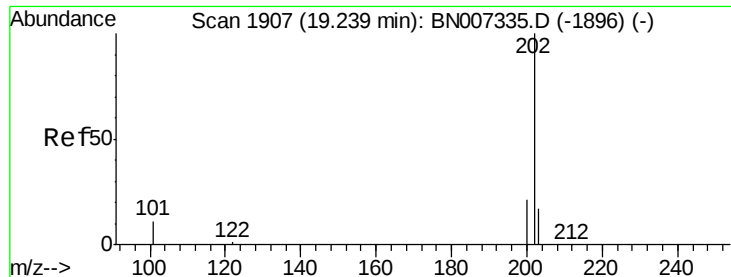
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.6	14.4
236	27.4	22.2	33.2

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



Time-->





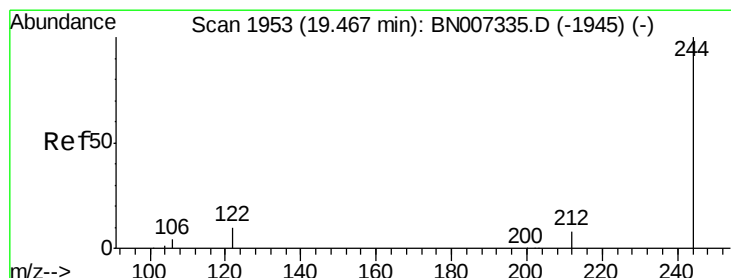
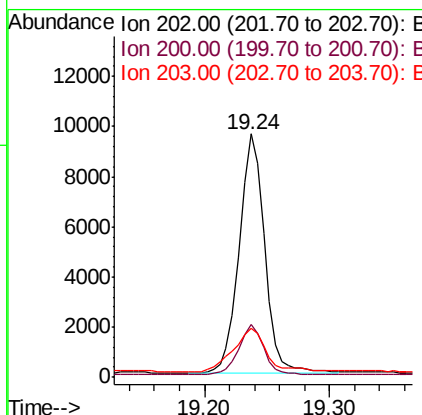
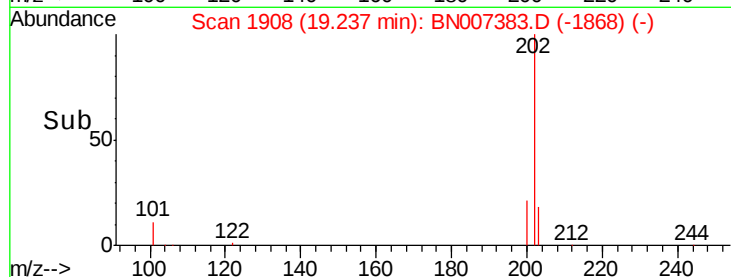
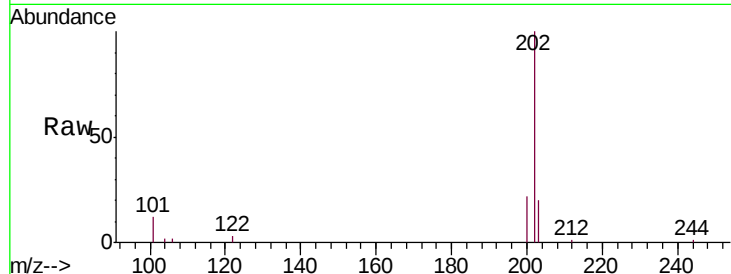
#28
Pvrene
Concen: 0.108 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Instrument :
BNA_N
ClientSampleId :
S302-J-2.0-2.5-082019-FDDL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	23.9	14.2	21.4

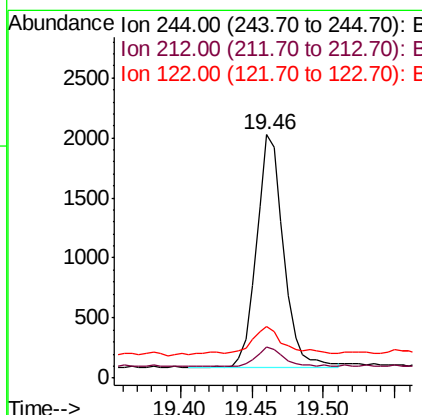
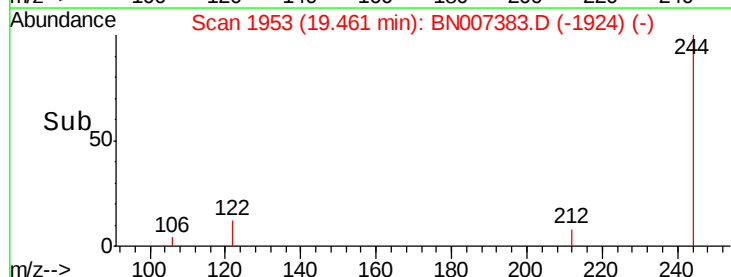
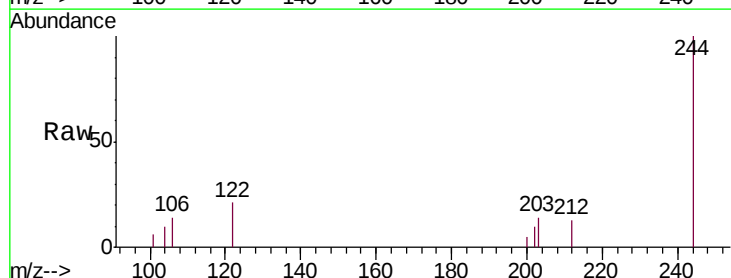
Manual Integrations
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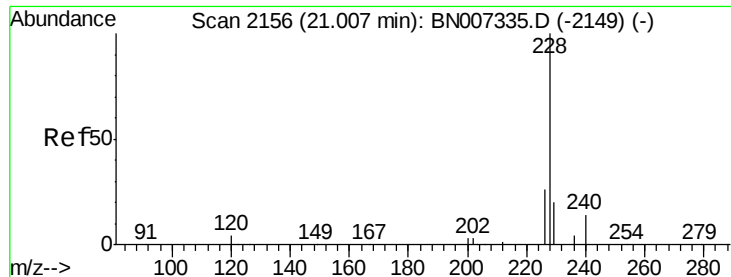
mohammad
8/31/2019 2:40:31 PM



#29
Terphenyl-d14
Concen: 0.031 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.5	7.0	10.6
122	21.0	9.6	14.4





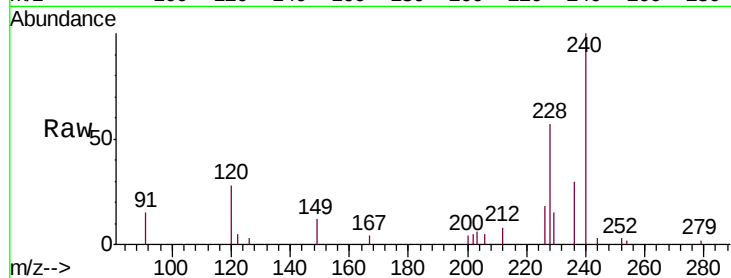
#30
Benzo(a)anthracene
Concen: 0.075 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Instrument :
BNA_N
ClientSampleId :
S302-J-2.0-2.5-082019-FDDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	21.3	31.9#
229	27.1	16.1	24.1#

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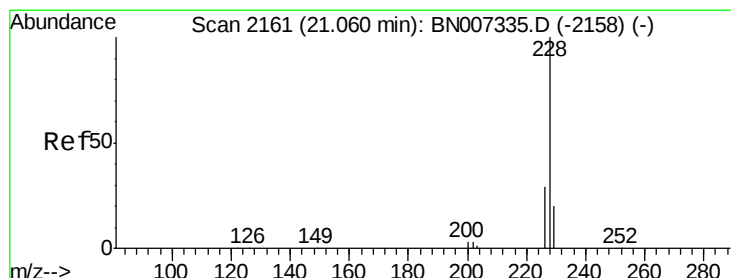
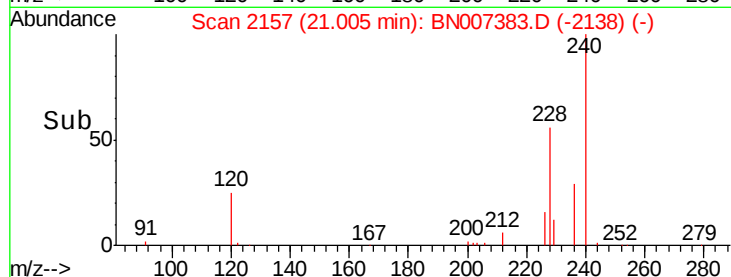
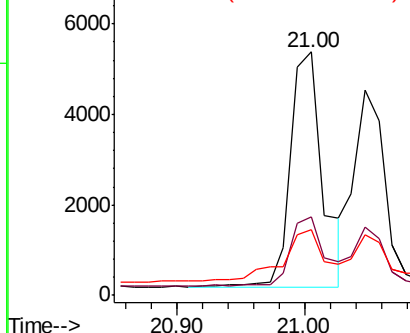


Abundance

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: 0.059 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

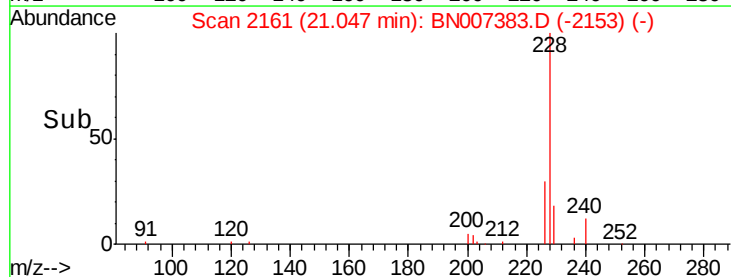
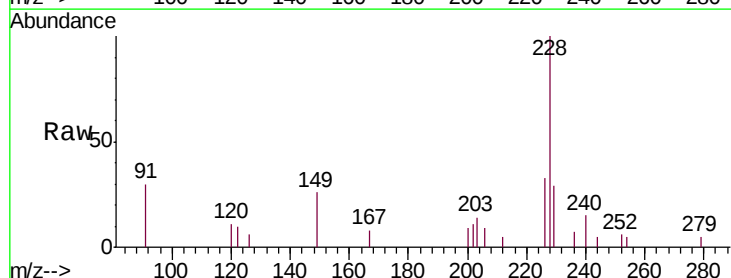
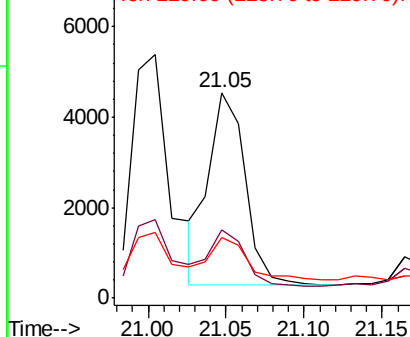
Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.1	23.5	35.3
229	29.2	16.6	24.8#

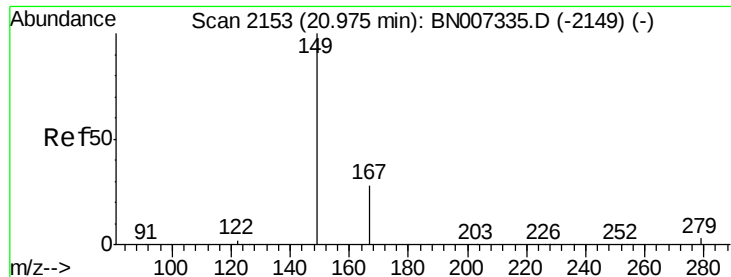
Abundance

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





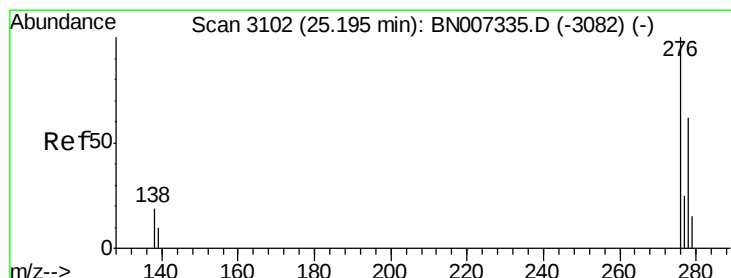
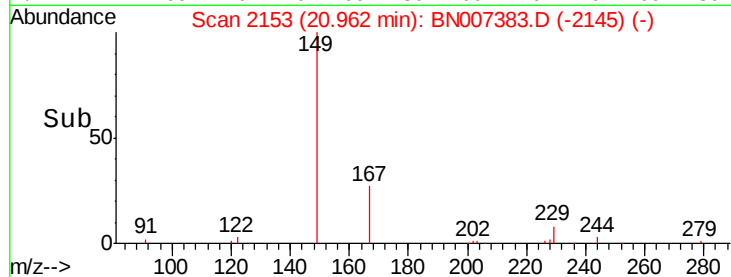
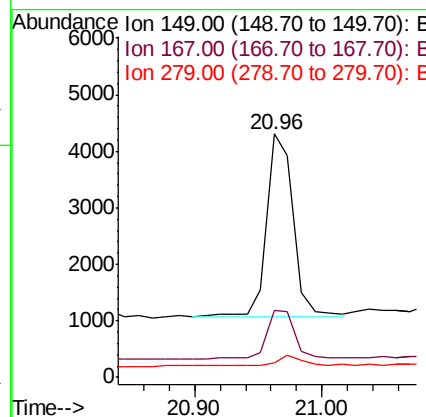
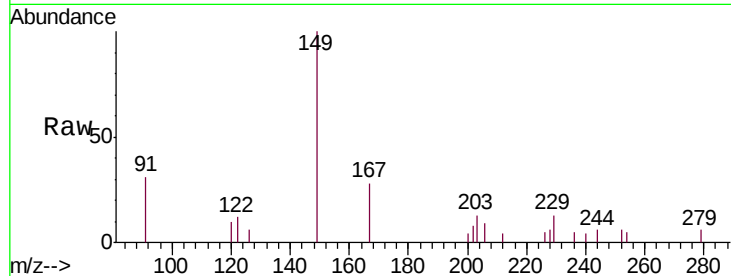
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.040 ng
 RT: 20.96 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: BN007383.D
 Acq: 25 Aug 2019 04:18

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-2.0-2.5-082019-FDDL

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.7	22.8	34.2
279	6.2	3.5	5.3

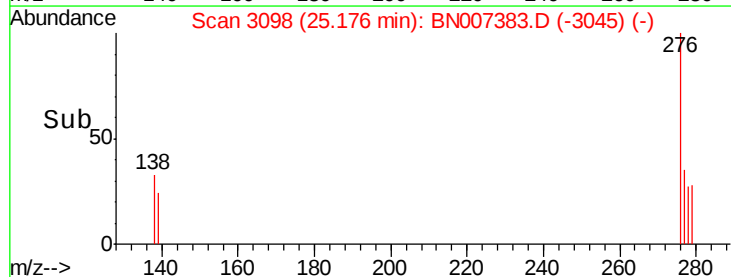
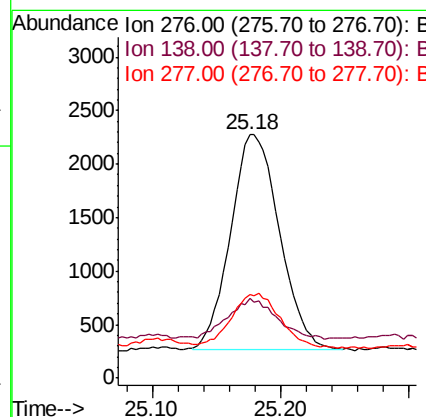
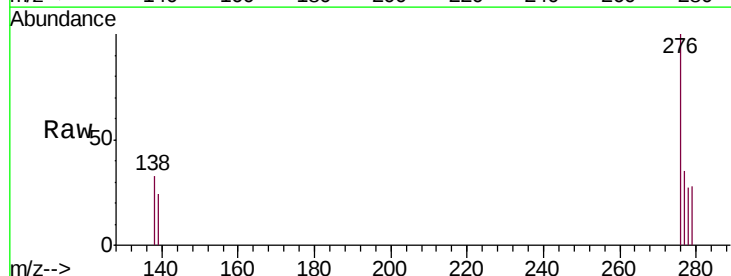
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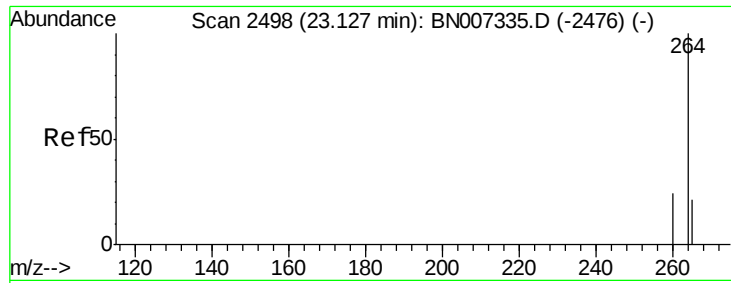
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.037 ng
 RT: 25.18 min Scan# 3098
 Delta R.T. -0.02 min
 Lab File: BN007383.D
 Acq: 25 Aug 2019 04:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	15.1	22.7
277	25.0	19.7	29.5





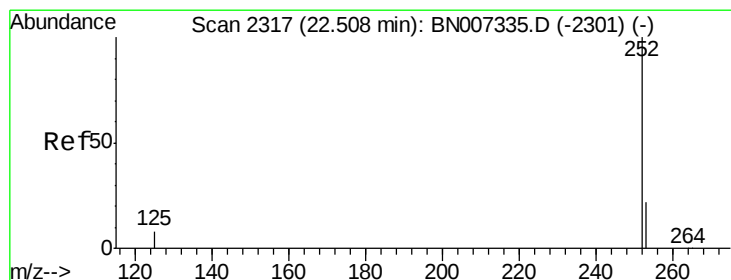
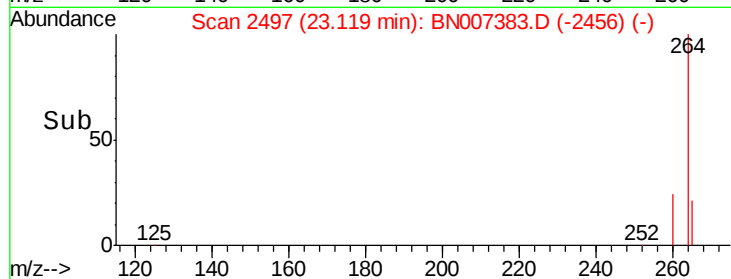
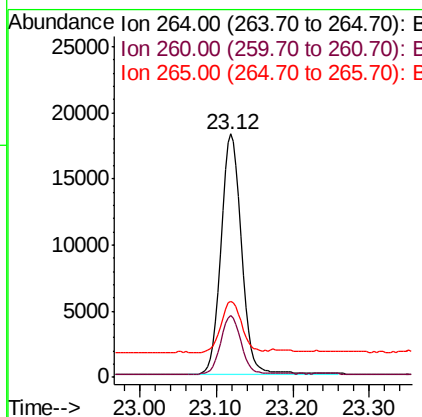
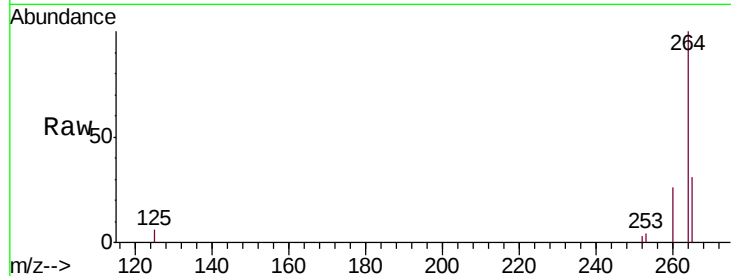
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.12 min Scan# 2497
 Delta R.T. -0.01 min
 Lab File: BN007383.D
 Acq: 25 Aug 2019 04:18

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-2.0-2.5-082019-FDDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.7	29.5
265	31.3	29.9	44.9

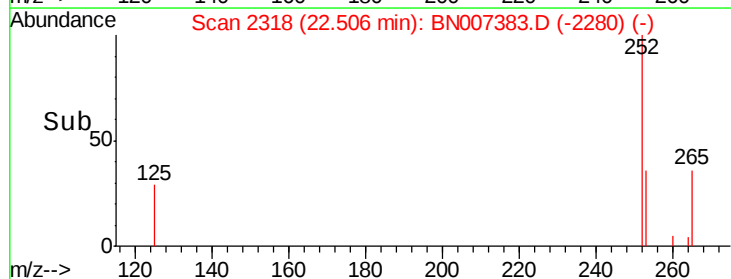
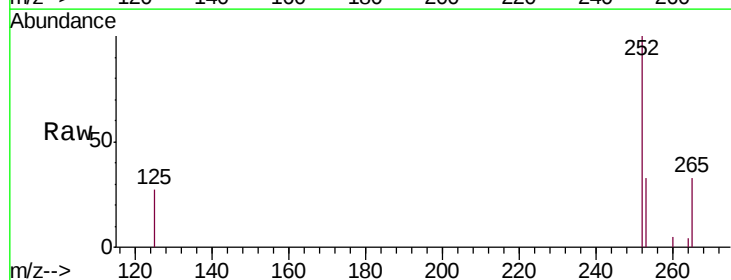
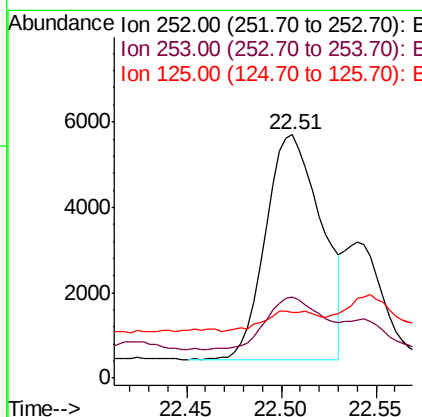
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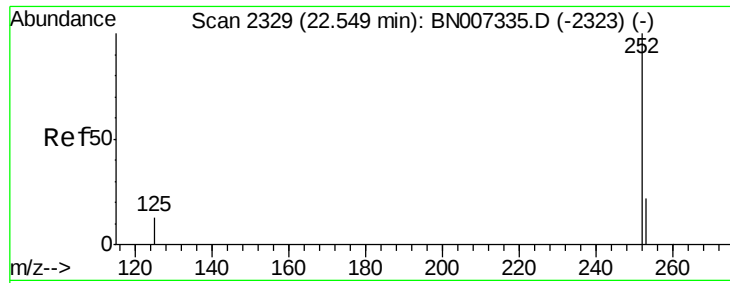
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 0.085 ng
 RT: 22.51 min Scan# 2318
 Delta R.T. -0.00 min
 Lab File: BN007383.D
 Acq: 25 Aug 2019 04:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.3	19.2	28.8#
125	27.2	10.6	16.0#





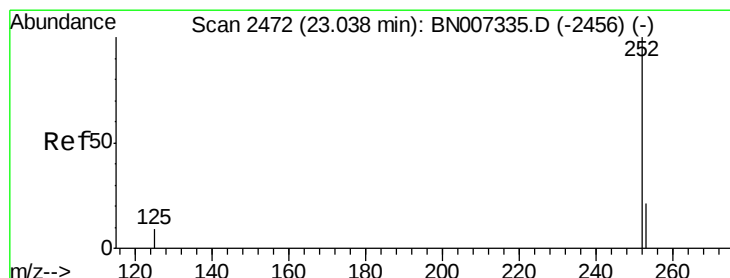
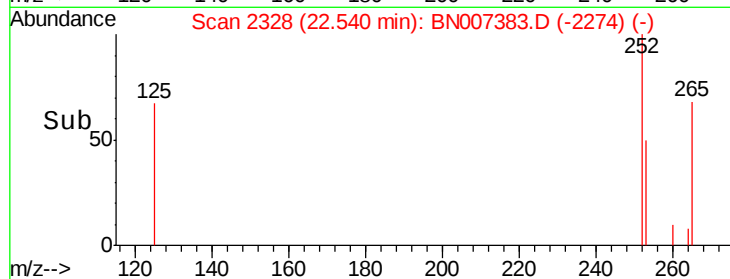
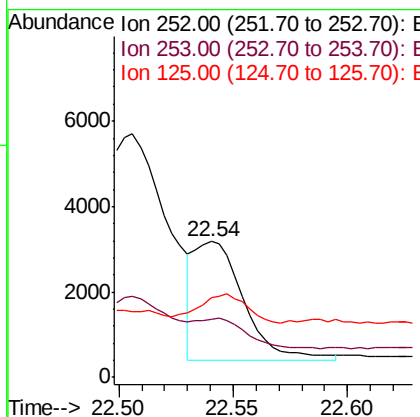
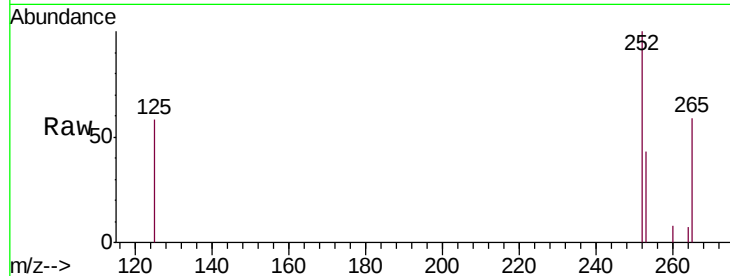
#36
Benzo(k)fluoranthene
Concen: 0.034 ng m
RT: 22.54 min Scan# 2328
Delta R.T. -0.01 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Instrument :
BNA_N
ClientSampleId :
S302-J-2.0-2.5-082019-FDDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	43.1	19.4	29.2#
125	58.5	13.1	19.7#

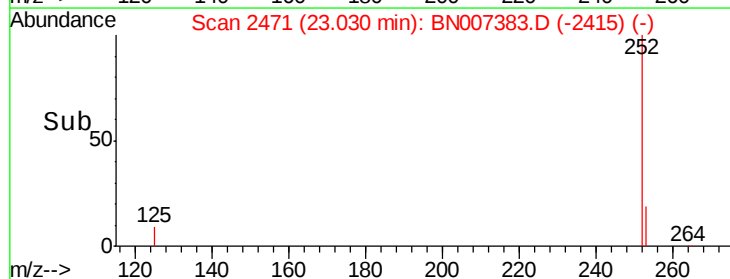
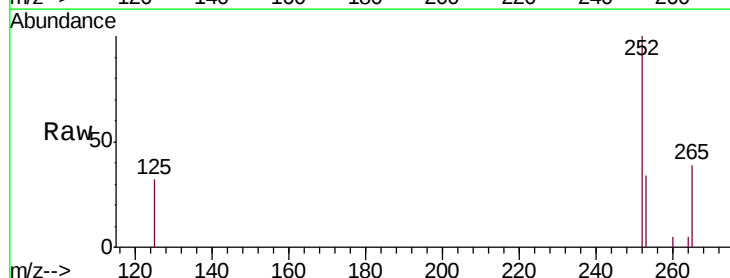
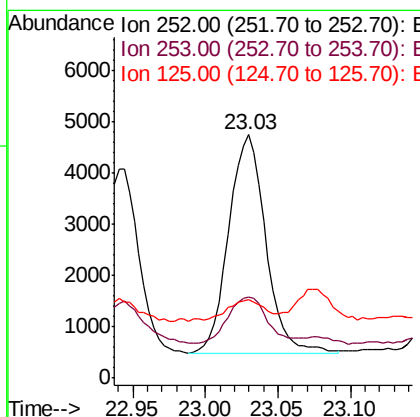
Manual Integrations
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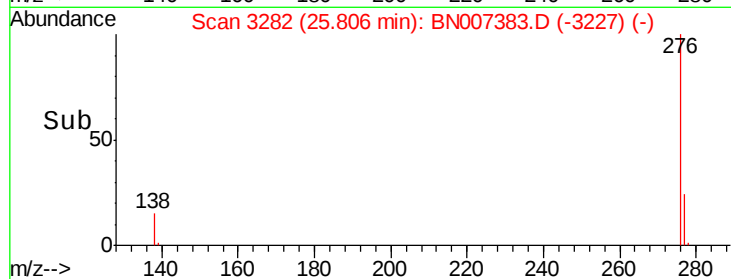
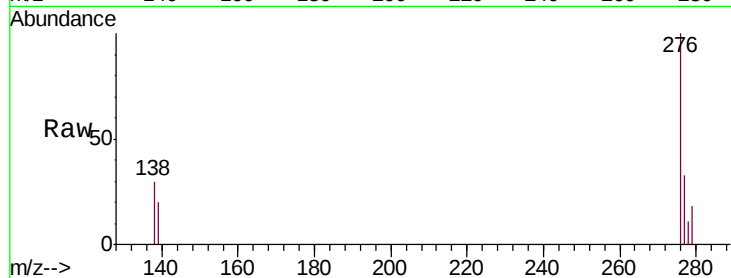
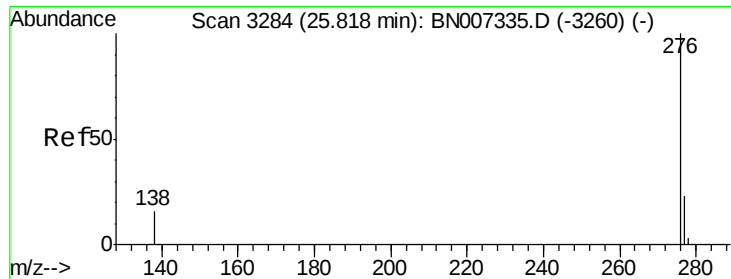
mohammad
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#37
Benzo(a)pyrene
Concen: 0.062 ng
RT: 23.03 min Scan# 2471
Delta R.T. -0.01 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.6	19.5	29.3#
125	32.2	12.1	18.1#





#39

Benzo(a,h,i)perylene

Concen: 0.050 ng

RT: 25.81 min Scan# 3282

Delta R.T. -0.01 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

Instrument :

BNA_N

ClientSampleId :

S302-J-2.0-2.5-082019-FDDL

Tot Ion:	276	Resp:	5994
Ion Ratio	Lower	Upper	
276	100		
277	33.5	19.6	29.4#
138	30.2	16.3	24.5#

Manual Integrations
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