

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
 Data File : BN007298.D
 Acq On : 21 Aug 2019 19:58
 Operator : HP/JU
 Sample : K4440-03MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-1.5-2.0-082019MSD

Manual Integrations
 APPROVED

Jagrut
 8/26/2019 12:24:44 PM

Quant Time: Aug 22 05:40:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 20 18:52:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	6449	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	24867	0.40	ng	0.00
13) Acenaphthene-d10	14.06	164	14675	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	32916	0.40	ng	0.00
27) Chrysene-d12	21.04	240	41791	0.40	ng	0.00
34) Perylene-d12	23.15	264	56673	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	7718	0.39	ng	0.00
5) Phenol-d6	6.61	99	9767	0.43	ng	0.00
8) Nitrobenzene-d5	8.54	82	6933	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	15576	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	3269	0.40	ng	0.00
15) 2-Fluorobiphenyl	12.68	172	19840	0.32	ng	0.00
25) Fluoranthene-d10	18.85	212	34207	0.33	ng	0.00
29) Terphenyl-d14	19.47	244	35002	0.33	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.01	88	2416	0.264	ng	# 56
3) n-Nitrosodimethylamine	3.32	42	1992	0.325	ng	# 86
6) bis(2-Chloroethyl)ether	6.85	93	7742	0.406	ng	97
9) Naphthalene	10.22	128	33657	0.478	ng	100
10) Hexachlorobutadiene	10.52	225	5398	0.347	ng	# 99
12) 2-Methylnaphthalene	11.84	142	23587	0.483	ng	98
16) Acenaphthylene	13.77	152	52161	0.670	ng	97
17) Acenaphthene	14.11	154	203359	4.101	ng	99
18) Fluorene	15.12	166	217617	3.359	ng	100
20) 4-Bromophenyl-phenylether	16.01	248	7512	0.398	ng	# 77
21) Hexachlorobenzene	16.12	284	7310	0.335	ng	95
22) Pentachlorophenol	16.48	266	8097	0.925	ng	99
23) Phenanthrene	16.85	178	4169847	40.418	ng	99
24) Anthracene	16.94	178	1661396	17.885	ng	98
26) Fluoranthene	18.89	202	14274595	114.230	ng	# 93
28) Pyrene	19.26	202	13805098	88.338	ng	# 85
30) Benzo(a)anthracene	21.03	228	10345871	66.577	ng	94
31) Chrysene	21.08	228	7357525	46.396	ng	# 94
32) Bis(2-ethylhexyl)phthalate	20.98	149	65766	1.059	ng	97
33) Indeno(1,2,3-cd)pyrene	25.24	276	4783400	25.068	ng	96
35) Benzo(b)fluoranthene	22.54	252	10792916	51.084	ng	97
36) Benzo(k)fluoranthene	22.57	252	4263065m	20.596	ng	
37) Benzo(a)pyrene	23.07	252	8154723	42.826	ng	96
38) Dibenzo(a,h)anthracene	25.24	278	1498224	7.490	ng	95
39) Benzo(g,h,i)perylene	25.87	276	4236250	20.951	ng	98

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

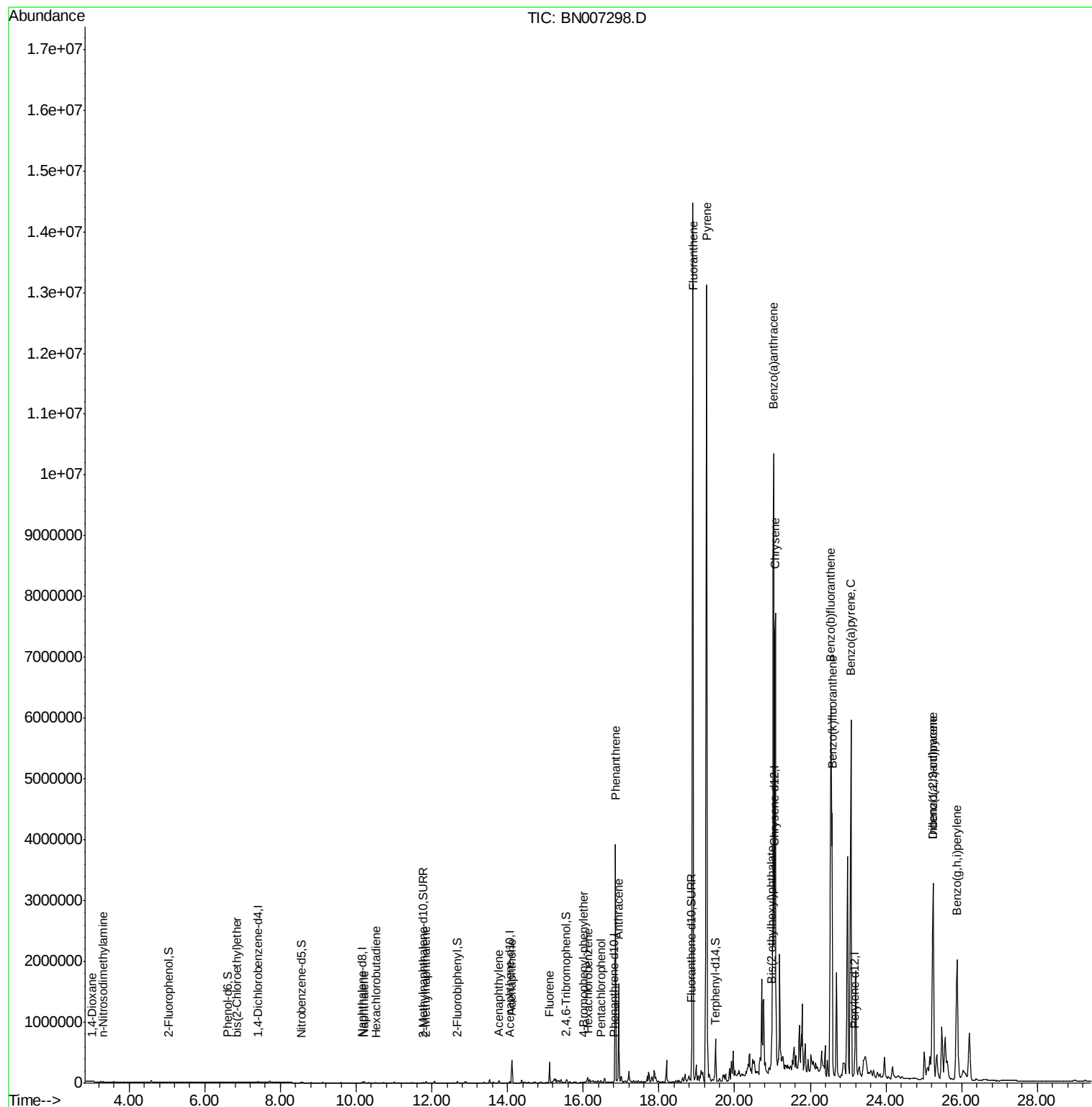
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
Data File : BN007298.D
Acq On : 21 Aug 2019 19:58
Operator : HP/JU
Sample : K4440-03MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019MSD

Manual Integrations
APPROVED

Jagrut
8/26/2019 12:24:44 PM

Quant Time: Aug 22 05:40:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 18:52:43 2019
Response via : Initial Calibration





#1

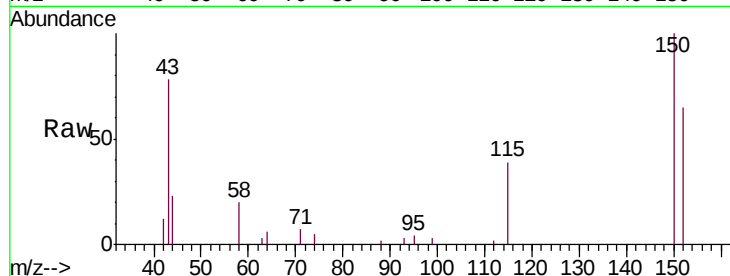
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.00 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019MSD

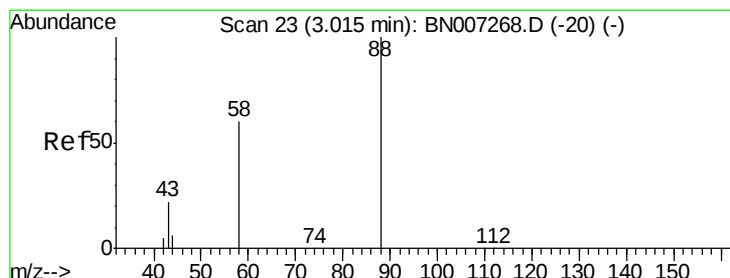
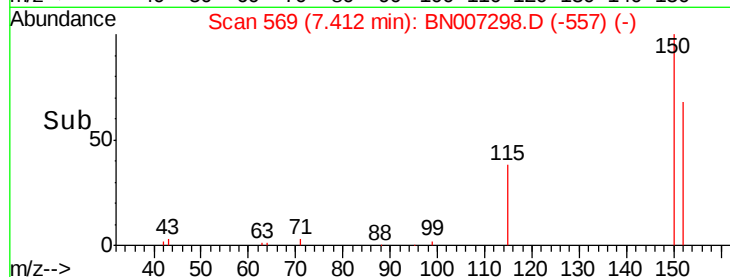
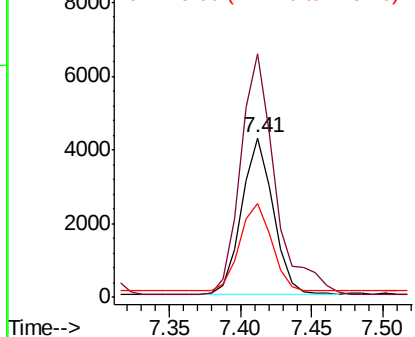
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.8	185.8
115	58.9	47.3	70.9

Manual Integrations
APPROVED

Jagrut
8/26/2019 12:24:44 PM



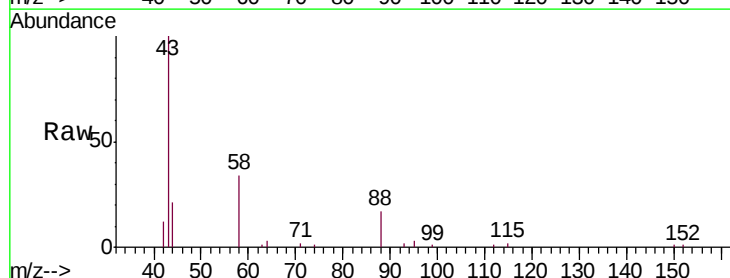
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



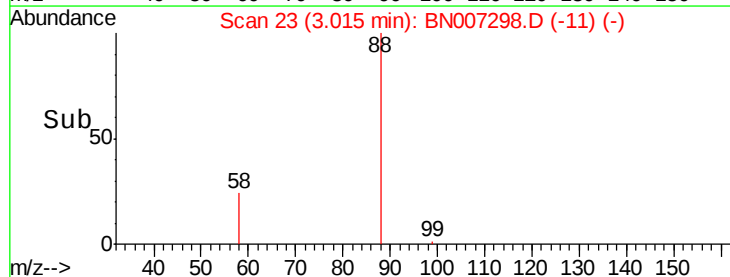
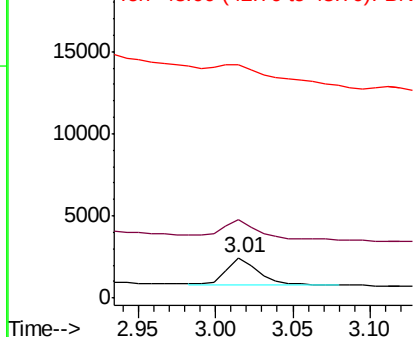
#2

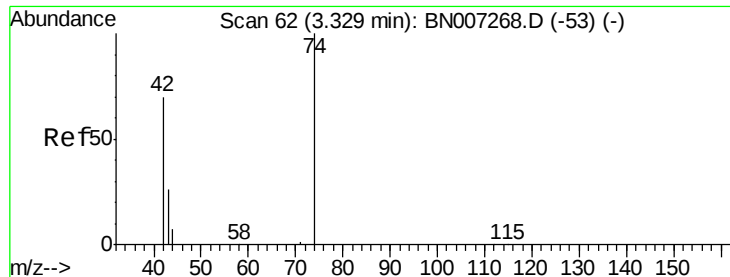
1,4-Dioxane
Concen: 0.264 ng
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.8	45.5	68.3#
43	0.0	20.4	30.6#



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.325 ng

RT: 3.32 min Scan# 61

Delta R.T. -0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

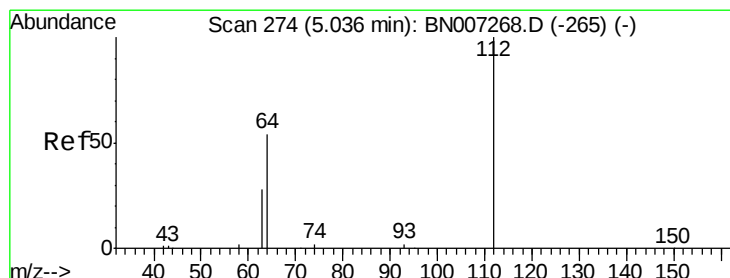
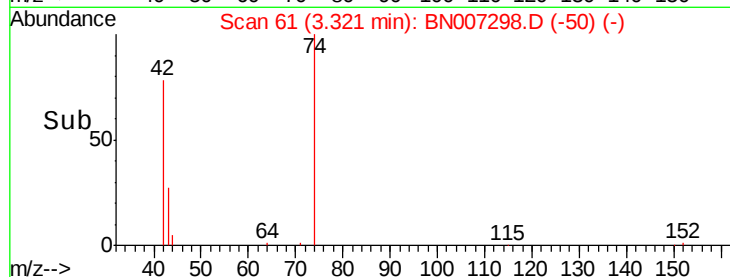
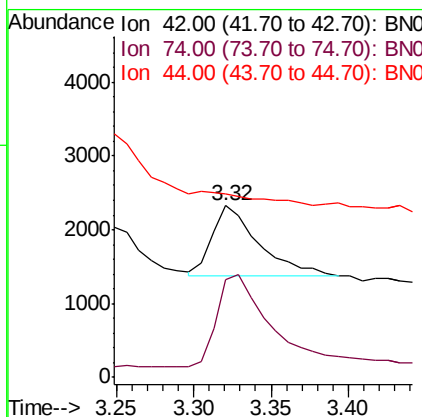
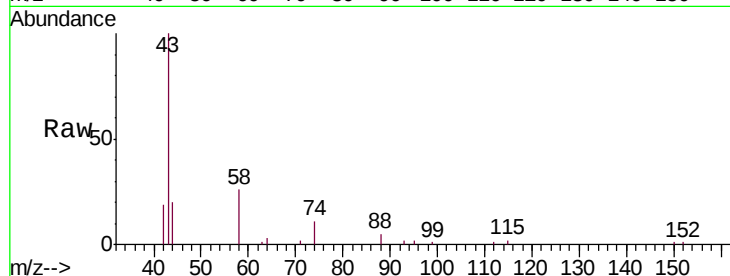
ClientSampleId :

S302-J-1.5-2.0-082019MSD

Tot Ion:	42	Resp:	1992
Ion Ratio	Lower	Upper	
42	100		
74	152.7	109.0	163.4
44	0.0	4.2	6.2#

Manual Integrations
APPROVED

Jagrut
8/26/2019 12:24:44 PM



#4

2-Fluorophenol

Concen: 0.393 ng

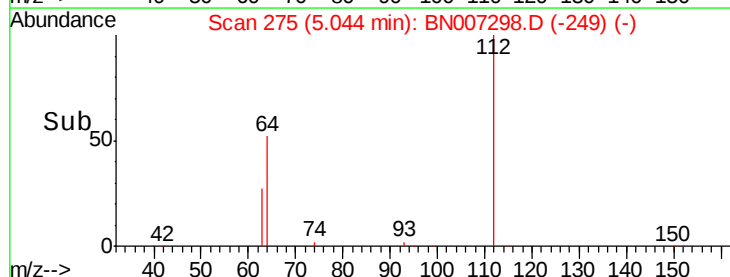
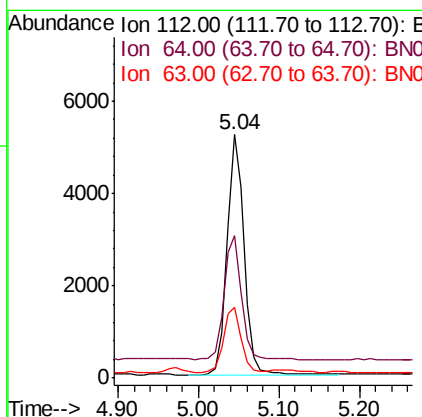
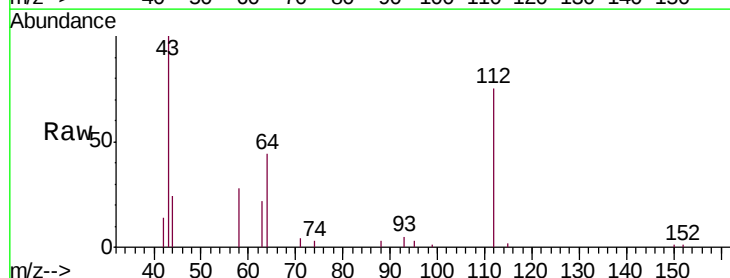
RT: 5.04 min Scan# 275

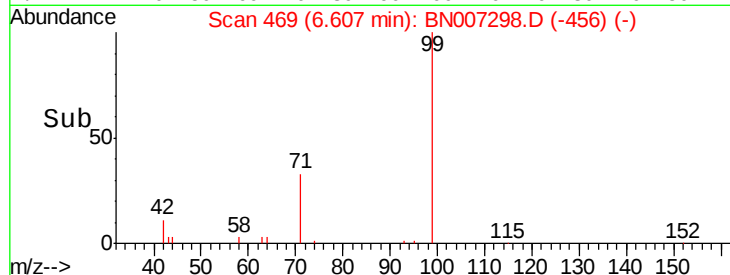
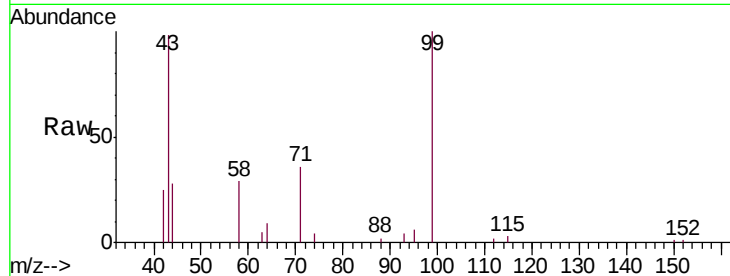
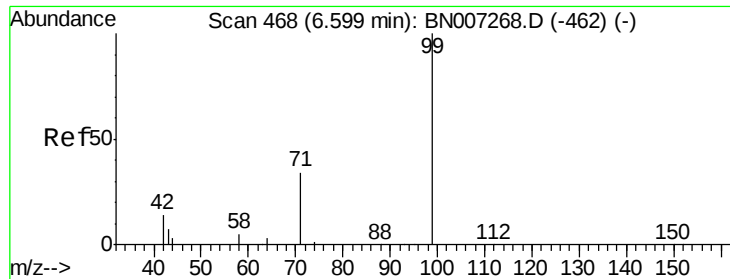
Delta R.T. 0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Tgt Ion:	112	Resp:	7718
Ion Ratio	Lower	Upper	
112	100		
64	51.6	41.8	62.8
63	27.4	22.6	34.0





#5

Phenol-d6

Concen: 0.433 ng

RT: 6.61 min Scan# 469

Delta R.T. 0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Tot Ion:	99	Resp:	9767
Ion	Ratio	Lower	Upper
99	100		
42	21.9	14.3	21.5#
71	36.4	27.3	40.9

Instrument :

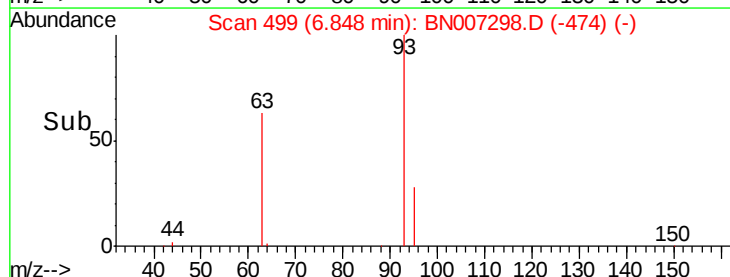
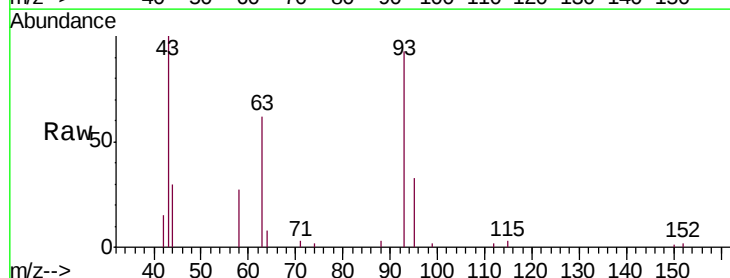
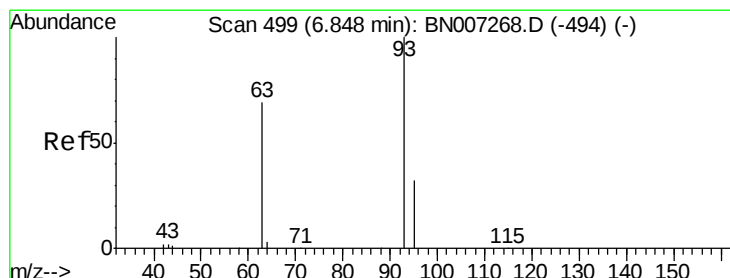
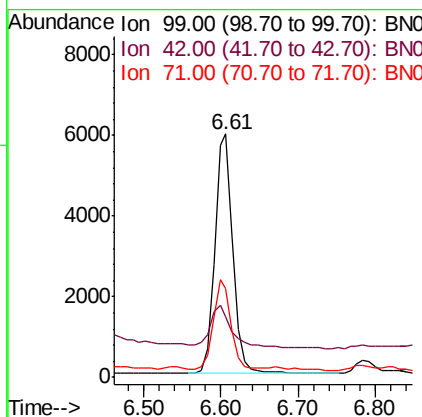
BNA_N

ClientSampleId :

S302-J-1.5-2.0-082019MSD

Manual Integrations
APPROVED

Jagrut
8/26/2019 12:24:44 PM



#6

bis(2-Chloroethyl)ether

Concen: 0.406 ng

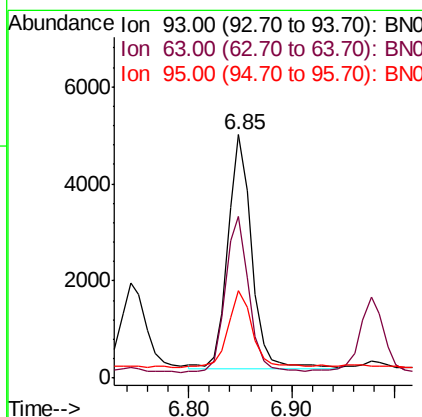
RT: 6.85 min Scan# 499

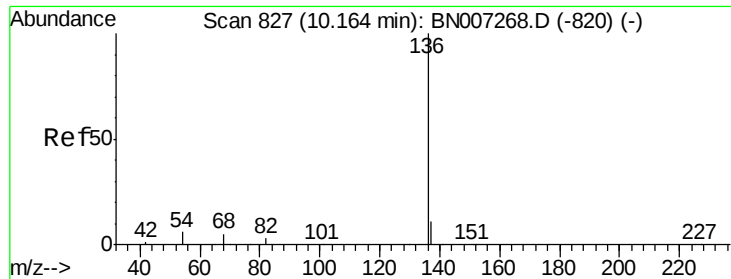
Delta R.T. -0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Tgt Ion:	93	Resp:	7742
Ion	Ratio	Lower	Upper
93	100		
63	65.3	54.4	81.6
95	32.8	25.5	38.3





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

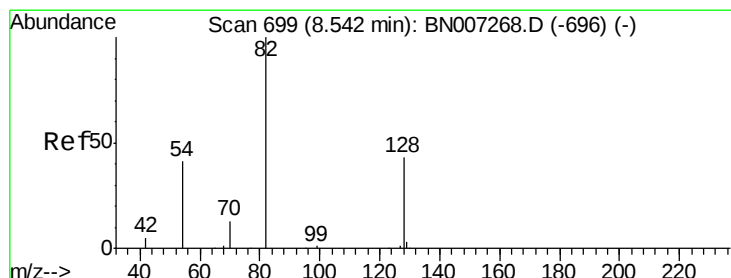
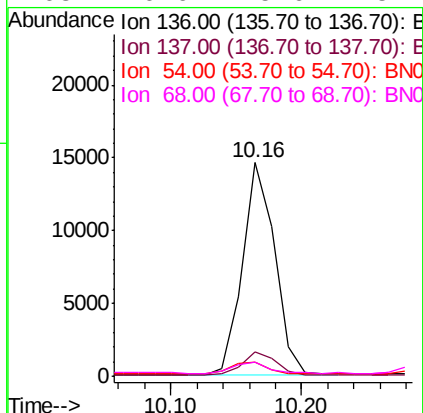
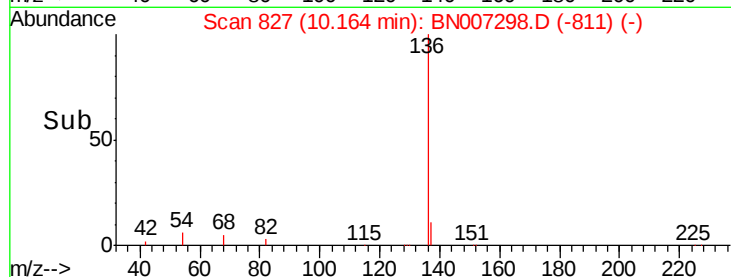
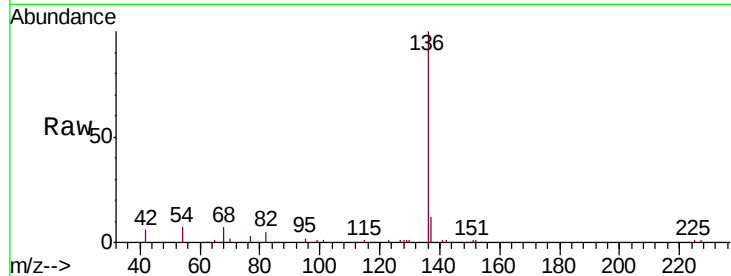
ClientSampleId :

S302-J-1.5-2.0-082019MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	6.8	5.9	8.9
68	6.6	5.6	8.4

Manual Integrations
APPROVED

Jagrut
8/26/2019 12:24:44 PM



#8

Nitrobenzene-d5

Concen: 0.363 ng

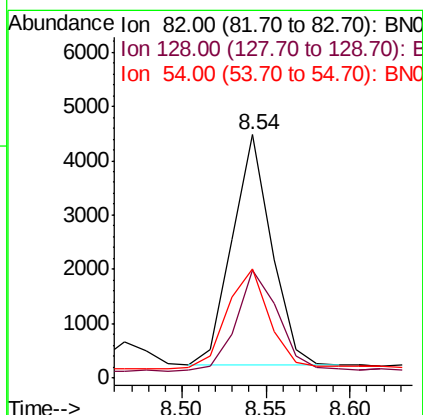
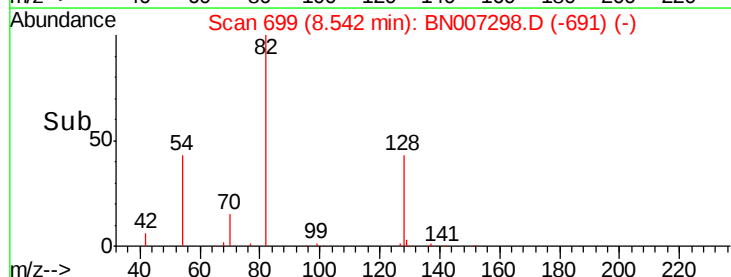
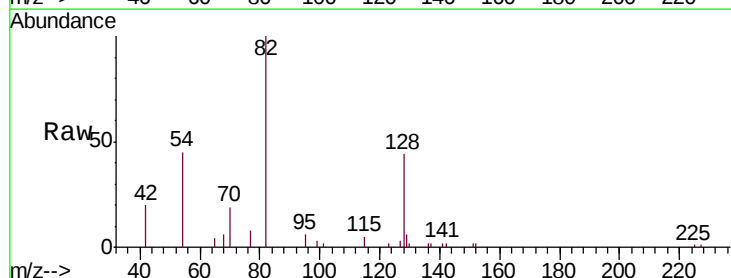
RT: 8.54 min Scan# 699

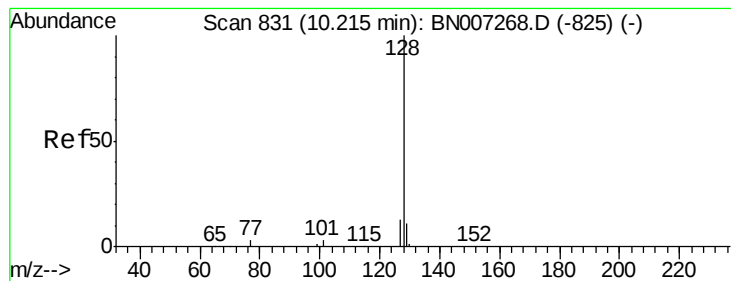
Delta R.T. -0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.8	53.6
54	44.8	34.7	52.1





#9

Naphthalene

Concen: 0.478 ng

RT: 10.22 min Scan# 831

Delta R.T. -0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

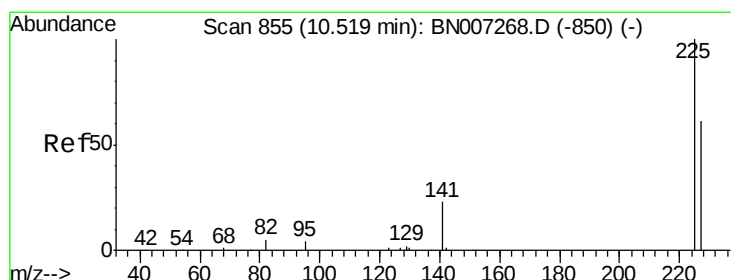
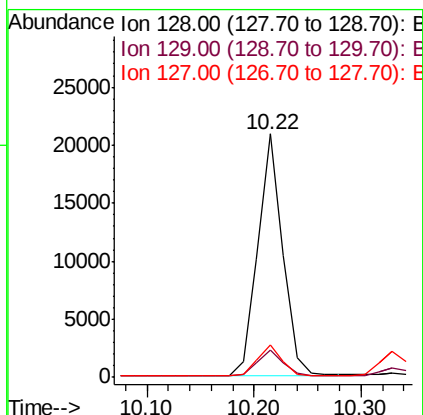
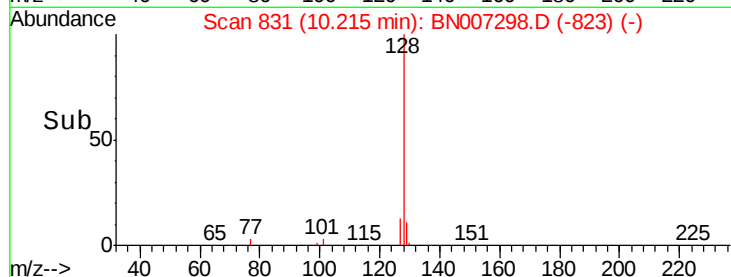
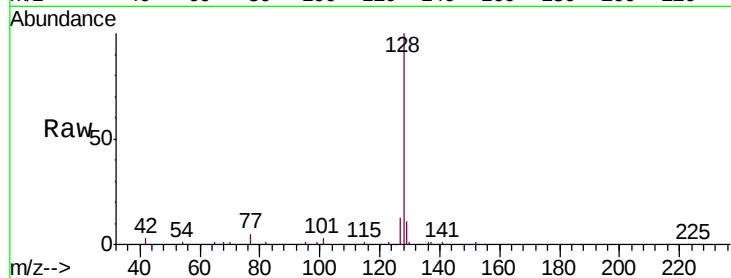
ClientSampleId :

S302-J-1.5-2.0-082019MSD

Tot Ion:	128	Resp:	33657
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.1	13.7
127	13.4	10.6	16.0

Manual Integrations
APPROVED

Jagrut
8/26/2019 12:24:44 PM



#10

Hexachlorobutadiene

Concen: 0.347 ng

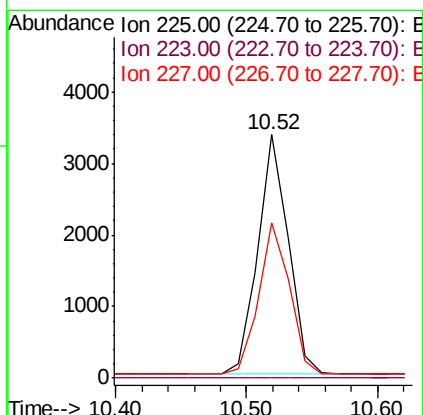
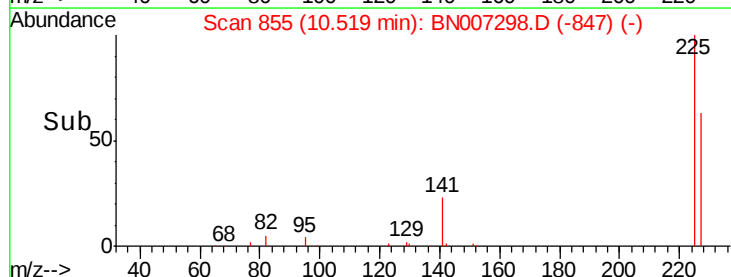
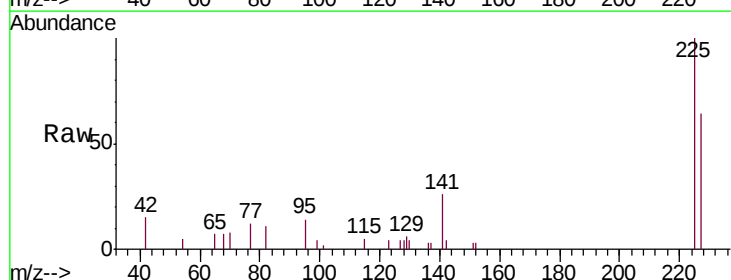
RT: 10.52 min Scan# 855

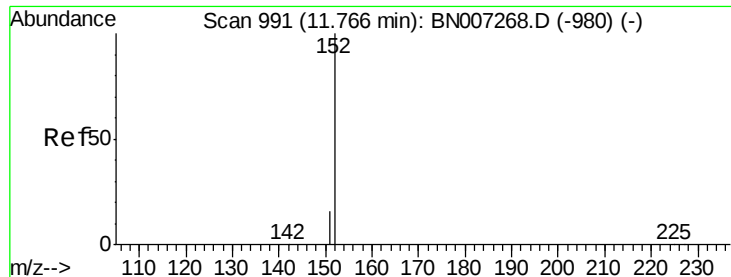
Delta R.T. -0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Tgt Ion:	225	Resp:	5398
Ion Ratio	Lower	Upper	
225	100		
223	0.0	0.0	0.0
227	63.8	50.2	75.2





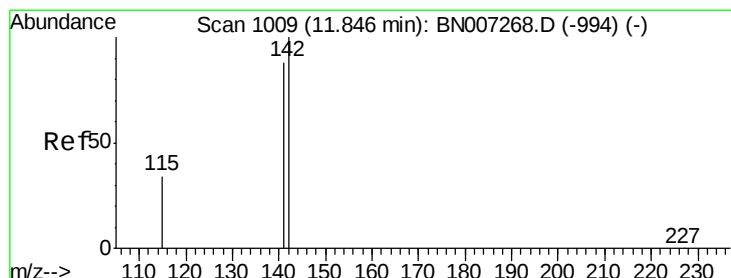
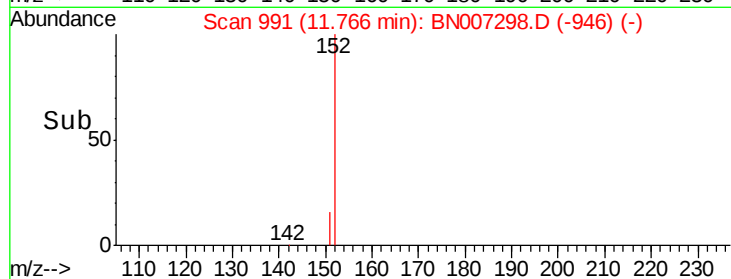
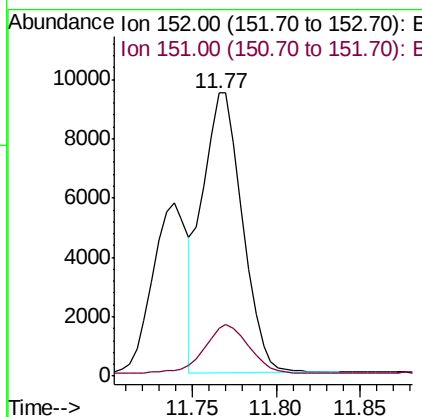
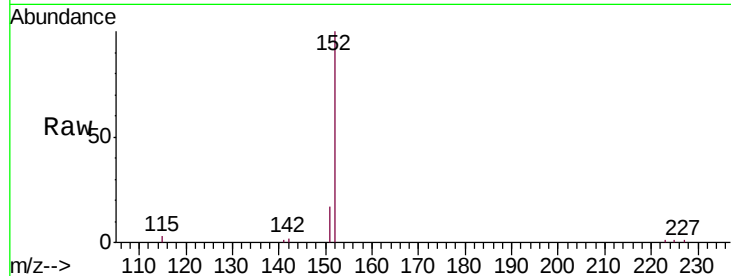
#11
2-Methylnaphthalene-d10
Concen: 0.362 ng
RT: 11.77 min Scan# 991
Delta R.T. -0.00 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.2	22.8

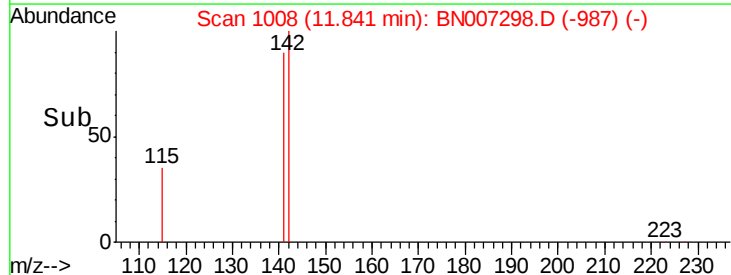
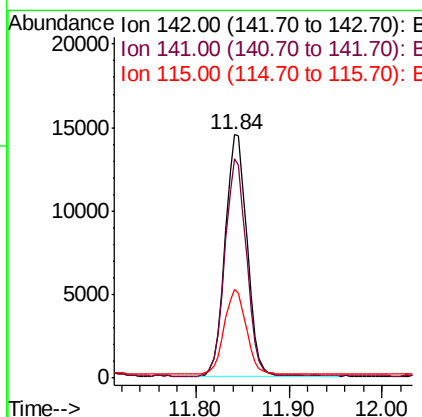
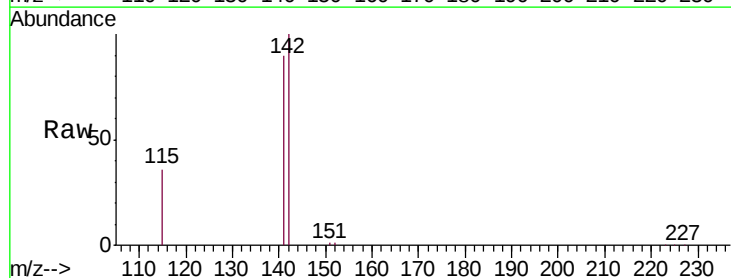
Manual Integrations
APPROVED

Jagrut
8/26/2019 12:24:44 PM



#12
2-Methylnaphthalene
Concen: 0.483 ng
RT: 11.84 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.7	106.1
115	36.4	28.1	42.1





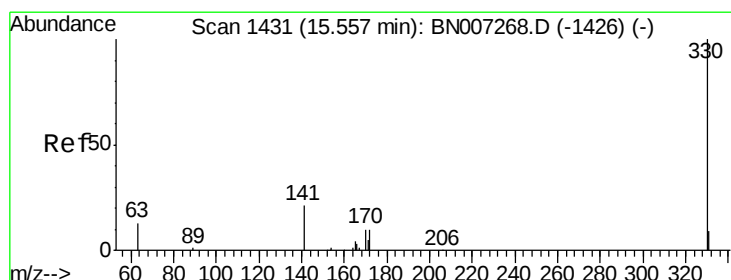
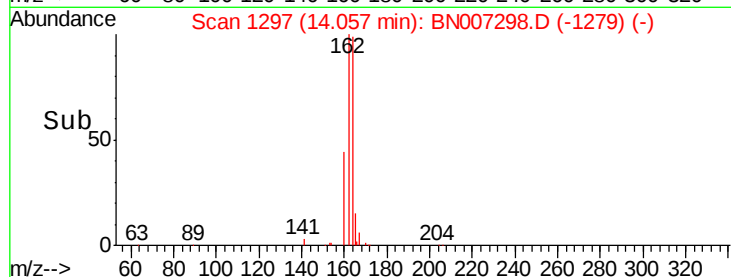
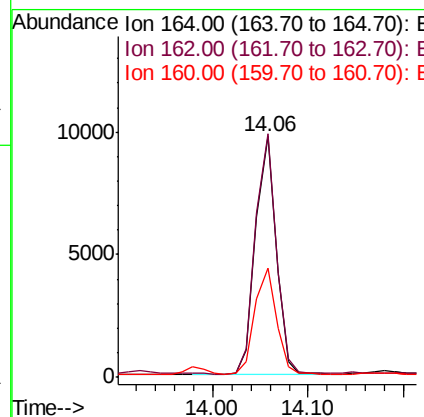
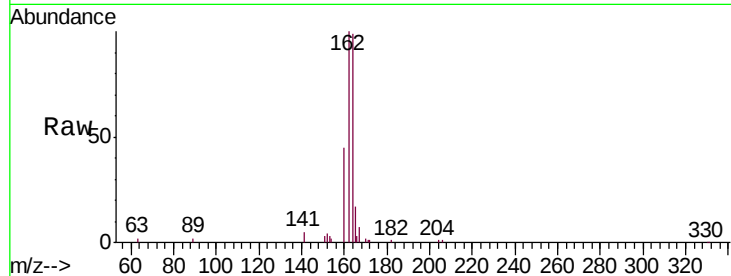
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.06 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.0	123.0
160	45.4	38.2	57.4

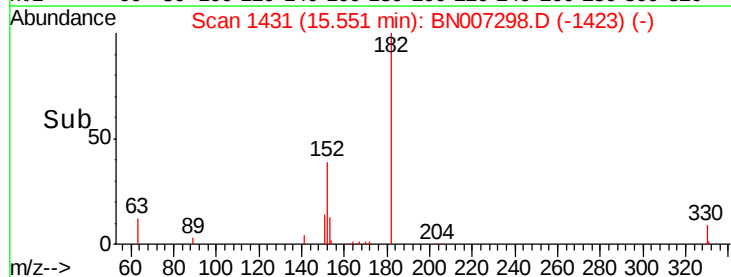
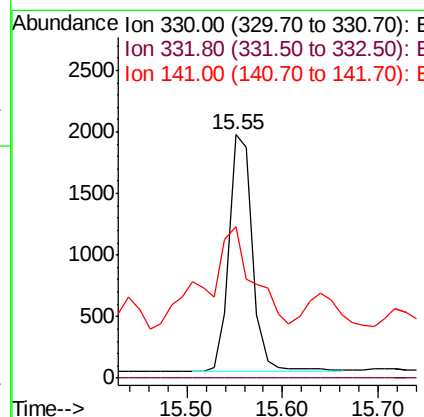
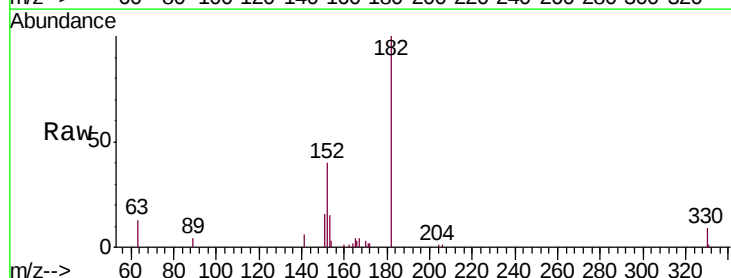
Manual Integrations
APPROVED

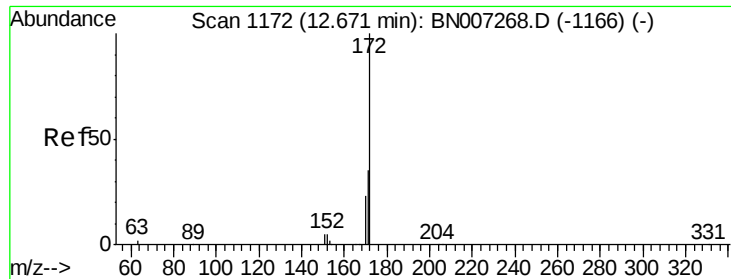
Jagrut
8/26/2019 12:24:44 PM



#14
2,4,6-Tribromophenol
Concen: 0.397 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	74.1	30.3	45.5#





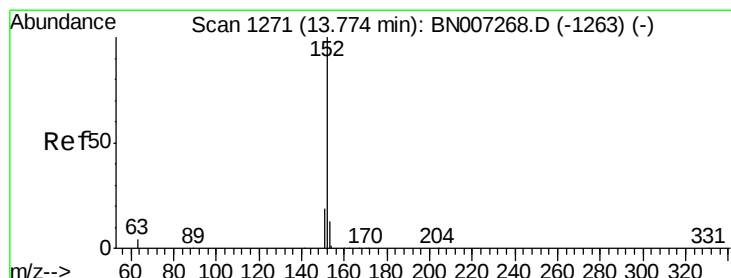
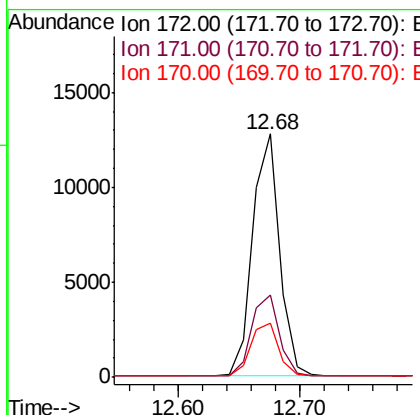
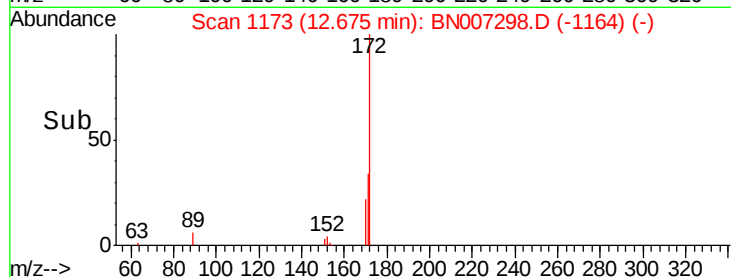
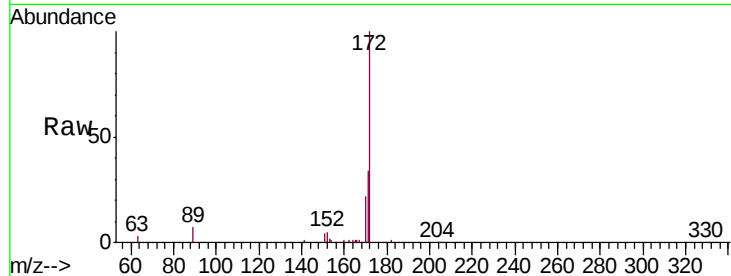
#15
2-Fluorobiphenyl
Concen: 0.315 ng
RT: 12.68 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.6	43.0
170	22.2	18.7	28.1

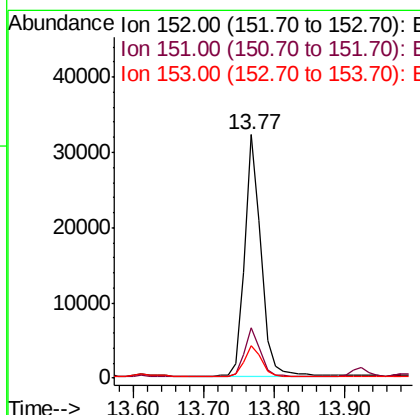
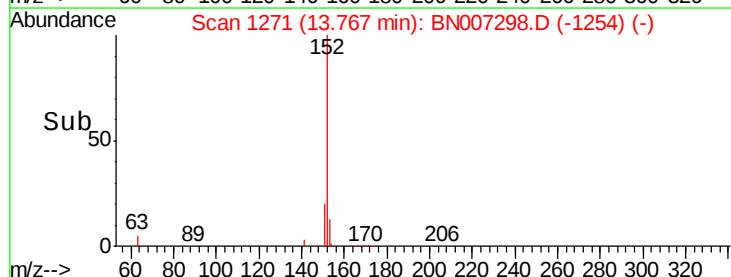
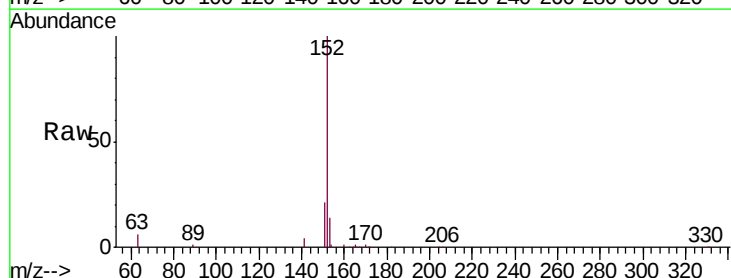
Manual Integrations
APPROVED

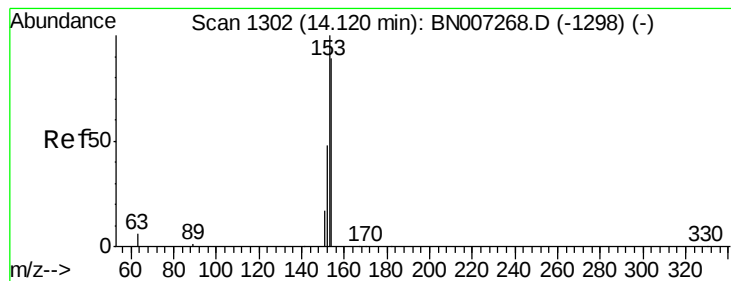
Jagrut
8/26/2019 12:24:44 PM



#16
Acenaphthylene
Concen: 0.670 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.4	23.2
153	14.0	10.1	15.1





#17

Acenaphthene

Concen: 4.101 ng

RT: 14.11 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

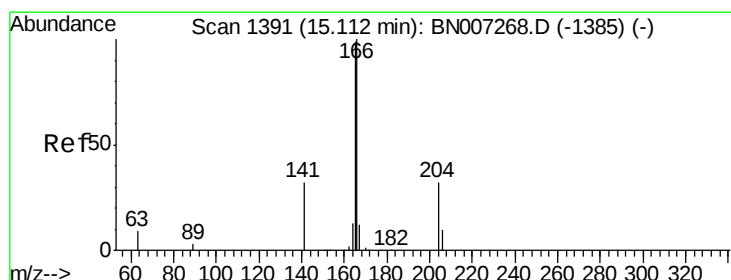
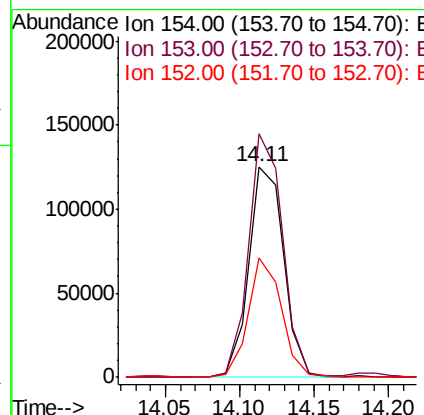
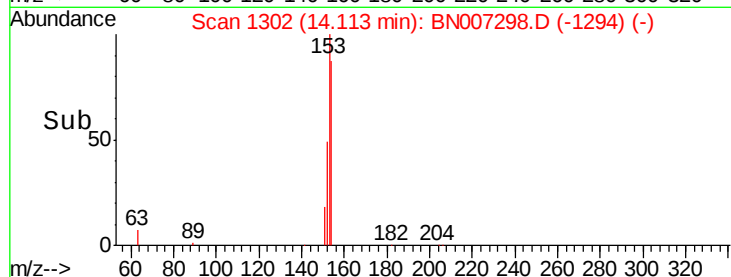
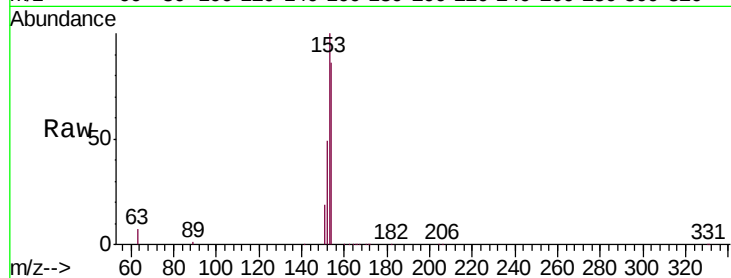
ClientSampleId :

S302-J-1.5-2.0-082019MSD

Tot Ion:	154	Resp:	203359
Ion Ratio	Lower	Upper	
154	100		
153	112.5	89.9	134.9
152	54.0	43.9	65.9

Manual Integrations
APPROVED

Jagrut
8/26/2019 12:24:44 PM



#18

Fluorene

Concen: 3.359 ng

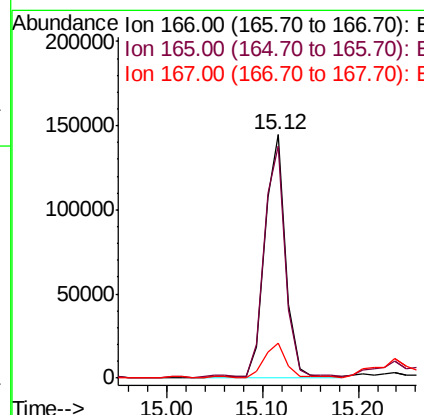
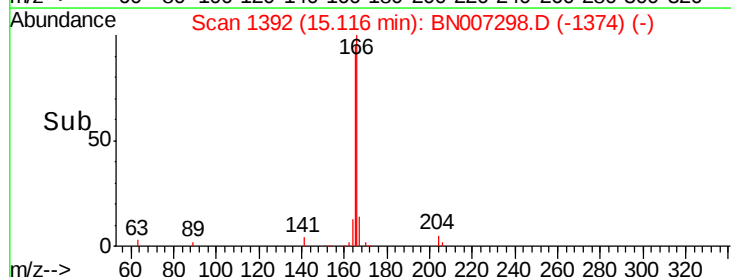
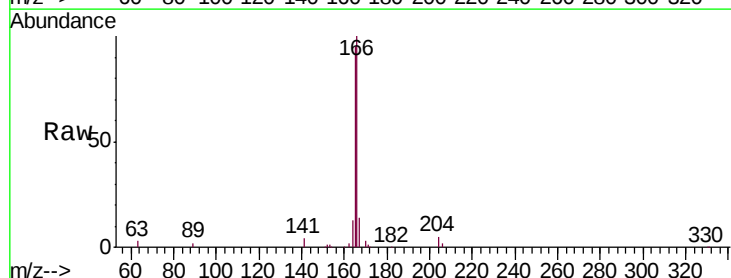
RT: 15.12 min Scan# 1392

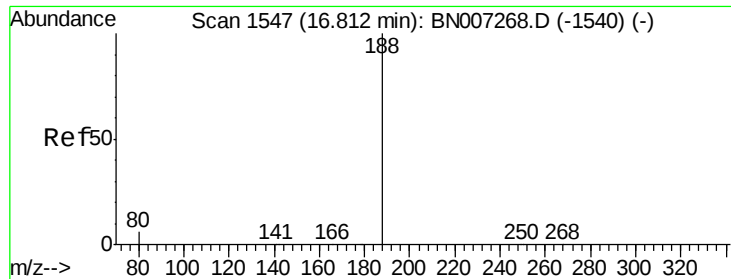
Delta R.T. 0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Tgt Ion:	166	Resp:	217617
Ion Ratio	Lower	Upper	
166	100		
165	97.8	78.3	117.5
167	14.3	11.1	16.7





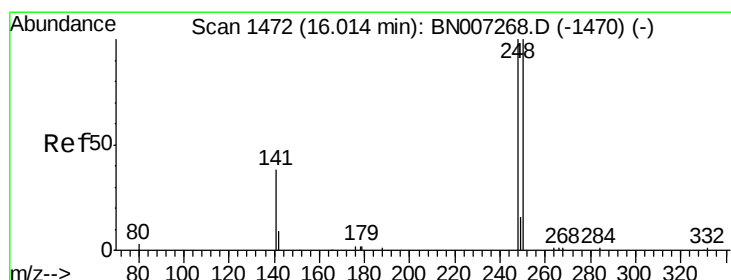
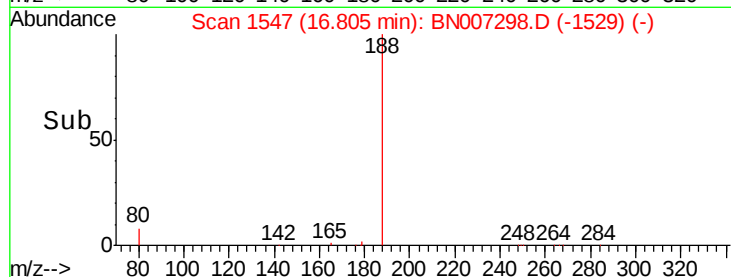
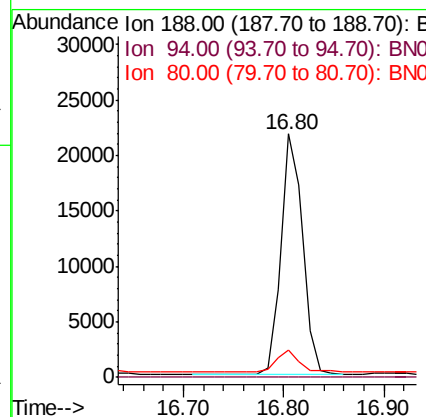
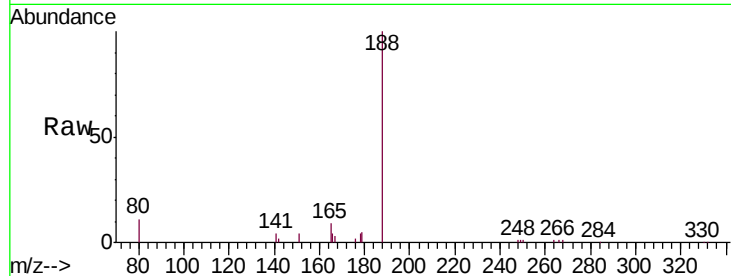
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019MSD

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.0	5.2	7.8#

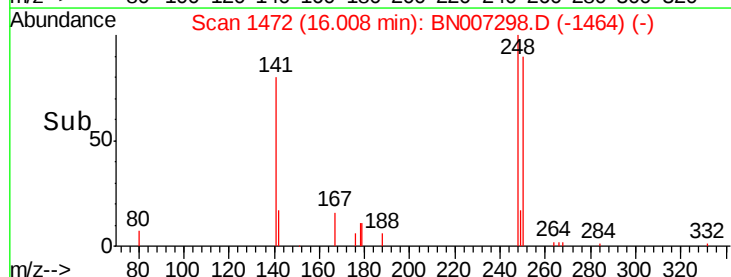
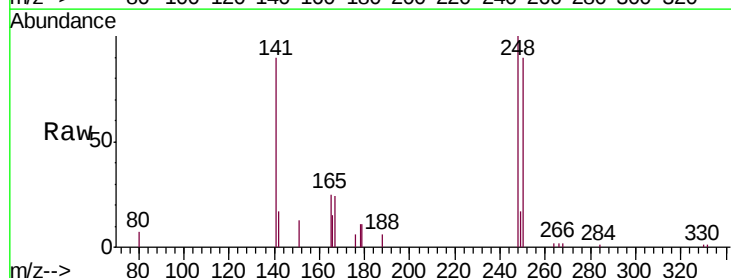
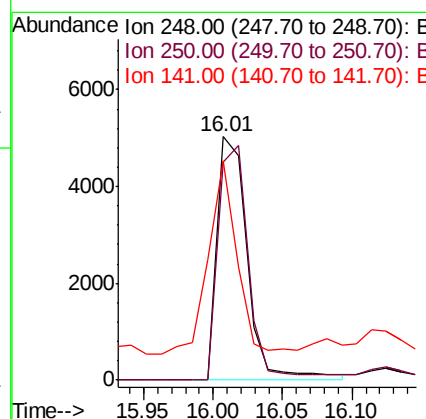
Manual Integrations
APPROVED

Jagrut
8/26/2019 12:24:44 PM



#20
4-Bromophenyl-phenylether
Concen: 0.398 ng
RT: 16.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Tgt Ion	Ratio	Resp Lower	Upper
248	100		
250	89.5	79.6	119.4
141	90.2	45.1	67.7#





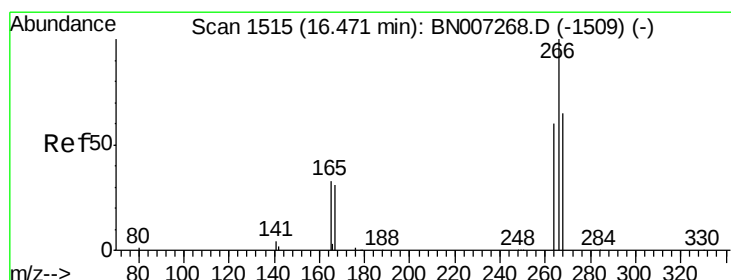
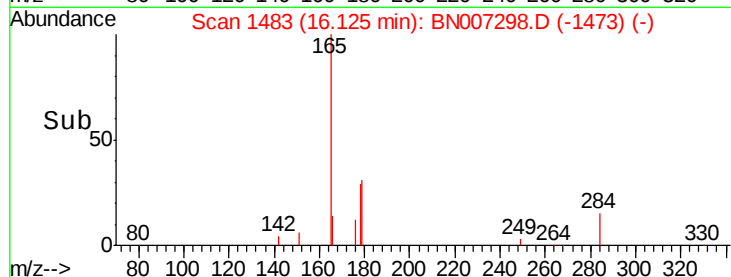
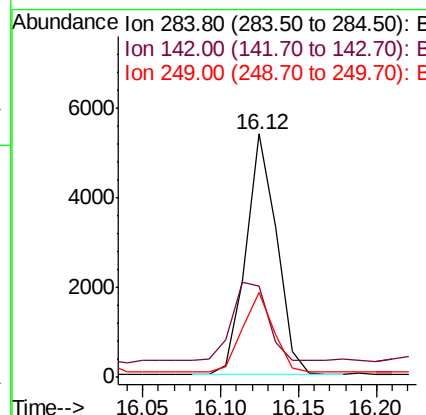
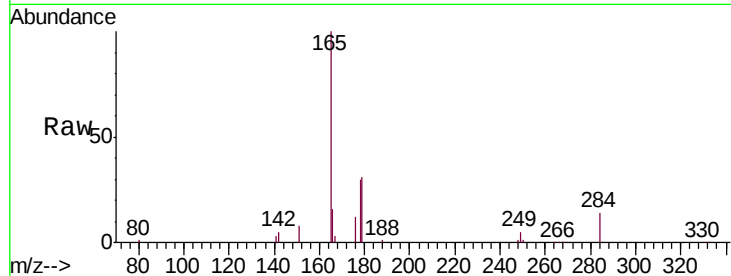
#21
Hexachlorobenzene
Concen: 0.335 ng
RT: 16.12 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019MSD

Tot Ion	Ratio	Lower	Upper
284	100		
142	41.2	29.5	44.3
249	34.0	26.2	39.4

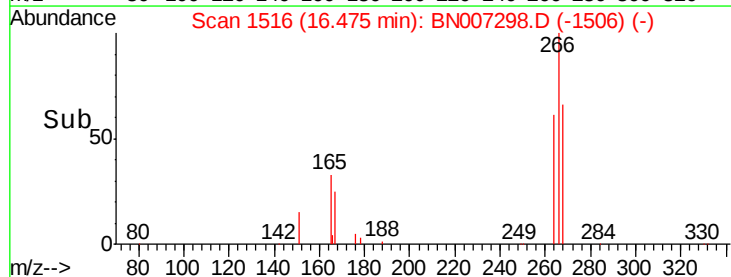
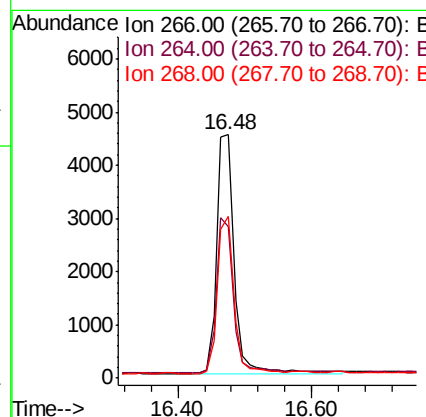
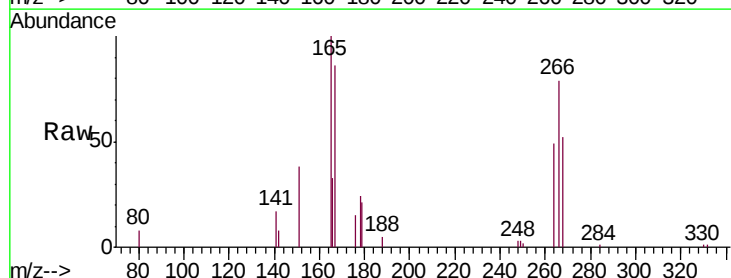
Manual Integrations
APPROVED

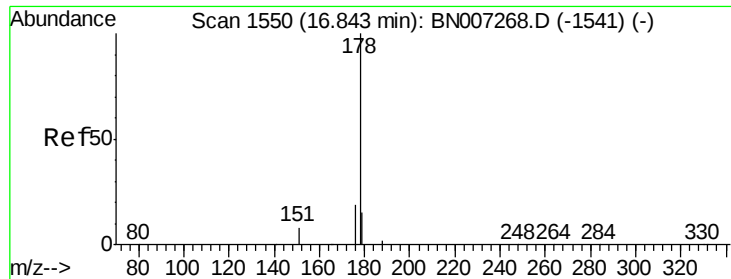
Jagrut
8/26/2019 12:24:44 PM



#22
Pentachlorophenol
Concen: 0.925 ng
RT: 16.48 min Scan# 1516
Delta R.T. 0.00 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.1	48.7	73.1
268	66.5	53.5	80.3





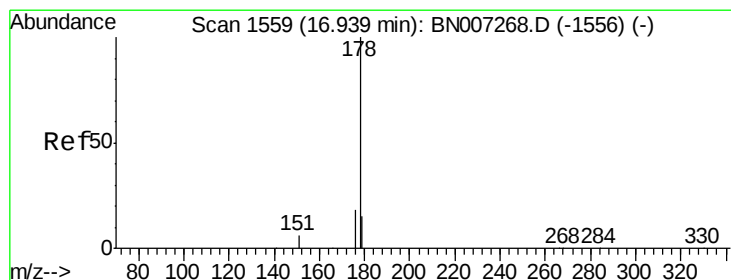
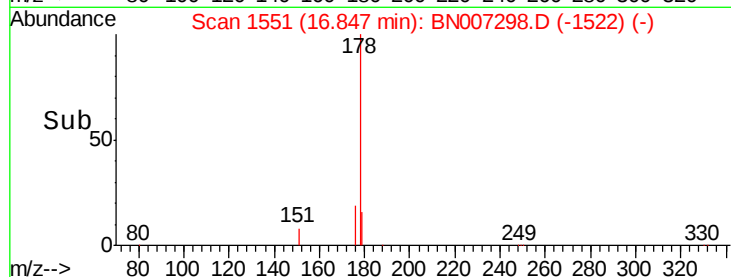
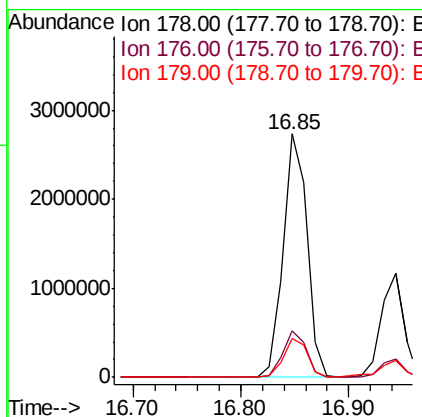
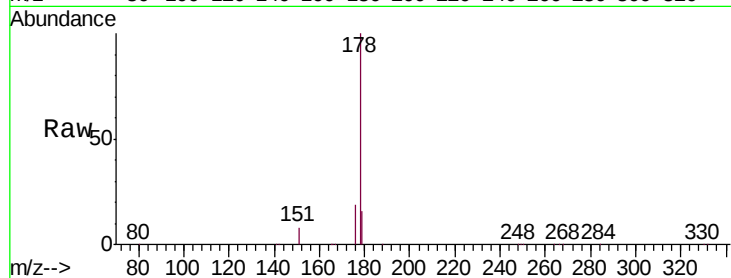
#23
Phenanthrene
Concen: 40.418 ng
RT: 16.85 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019MSD

Tot Ion:178 Resp: 4169847
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 16.0 12.3 18.5

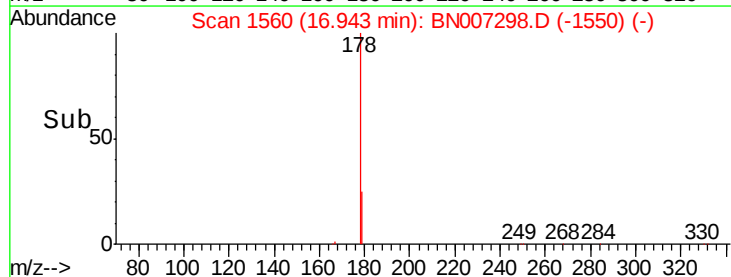
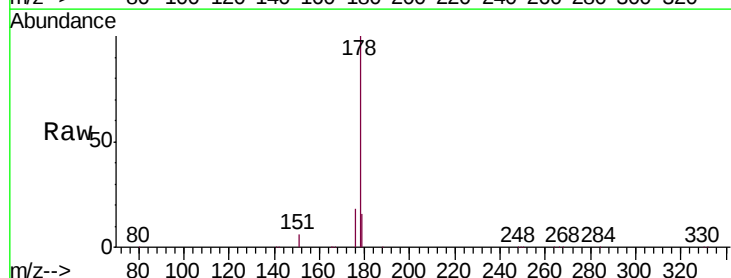
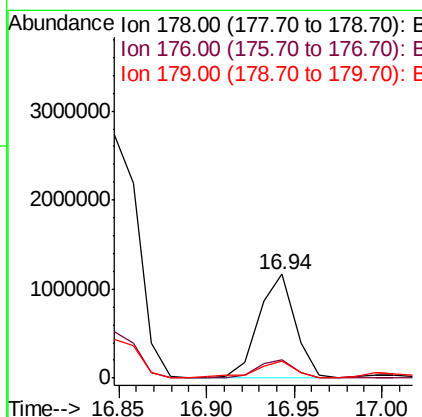
Manual Integrations
APPROVED

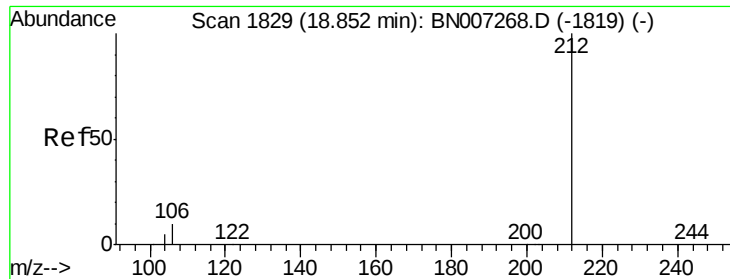
Jagrut
8/26/2019 12:24:44 PM



#24
Anthracene
Concen: 17.885 ng
RT: 16.94 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Tgt Ion:178 Resp: 1661396
Ion Ratio Lower Upper
178 100
176 18.3 14.3 21.5
179 16.8 12.3 18.5





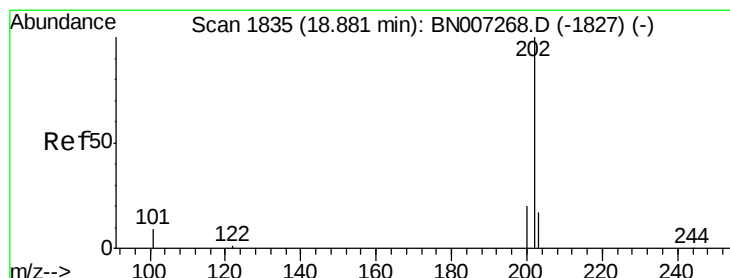
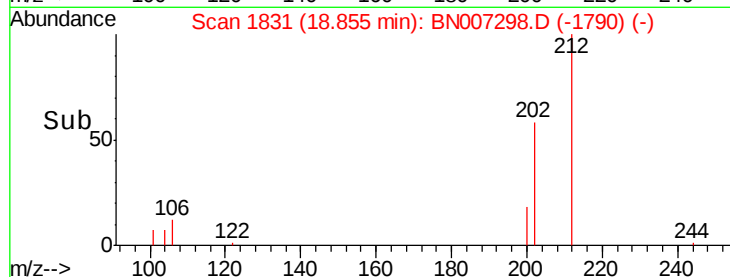
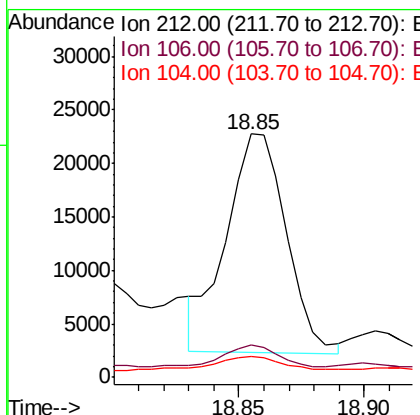
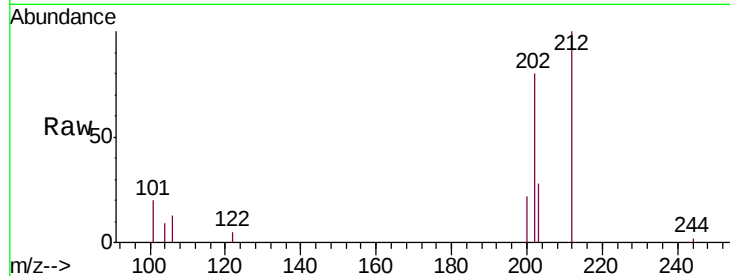
#25
 Fluoranthene-d10
 Concen: 0.328 ng
 RT: 18.85 min Scan# 1831
 Delta R.T. 0.00 min
 Lab File: BN007298.D
 Acq: 21 Aug 2019 19:58

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-1.5-2.0-082019MSD

Tot Ion	Ratio	Lower	Upper
212	100		
106	9.0	8.2	12.4
104	7.1	4.7	7.1#

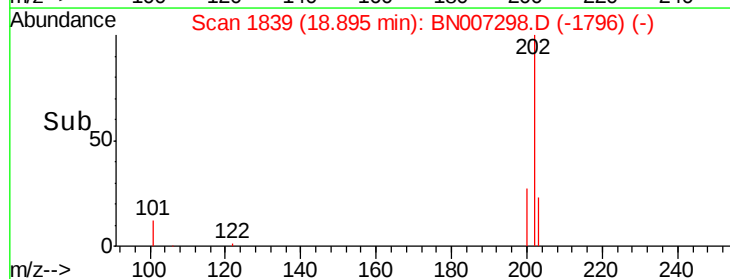
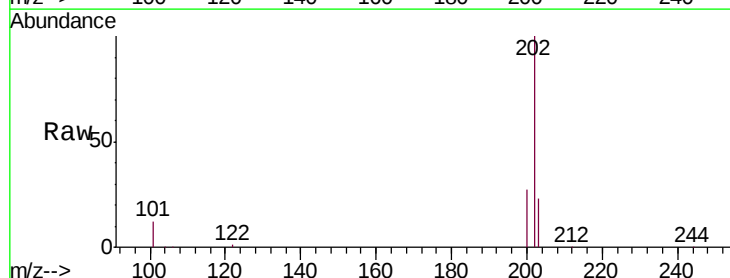
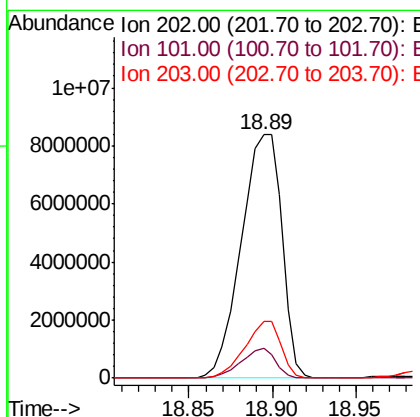
Manual Integrations
 APPROVED

Jagrut
 8/26/2019 12:24:44 PM



#26
 Fluoranthene
 Concen: 114.230 ng
 RT: 18.89 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BN007298.D
 Acq: 21 Aug 2019 19:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	7.2	10.8
203	20.7	13.8	20.6#





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.04 min Scan# 2160

Delta R.T. 0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

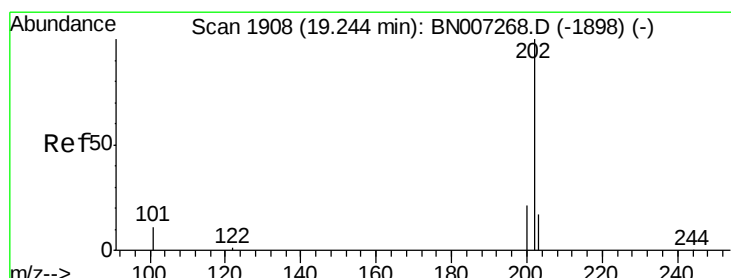
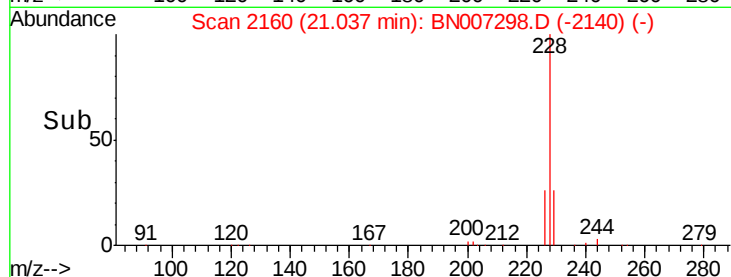
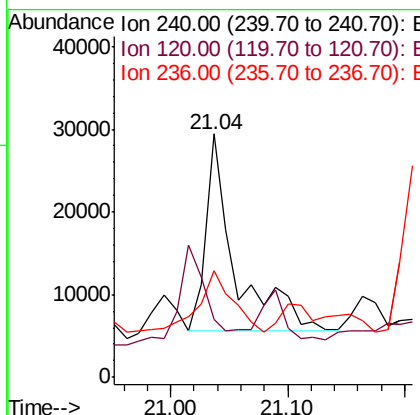
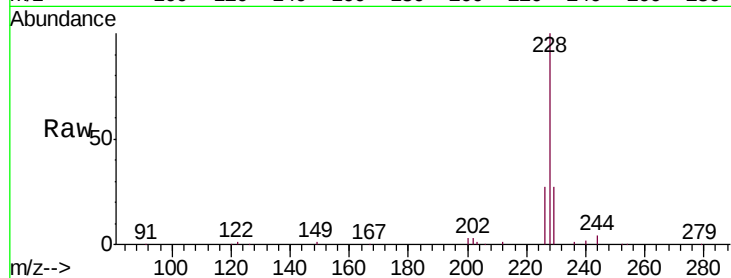
ClientSampleId :

S302-J-1.5-2.0-082019MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	24.1	5.6	8.4#
236	43.7	21.6	32.4#

Manual Integrations
APPROVED

Jagrut
8/26/2019 12:24:44 PM



#28

Pyrene

Concen: 88.338 ng

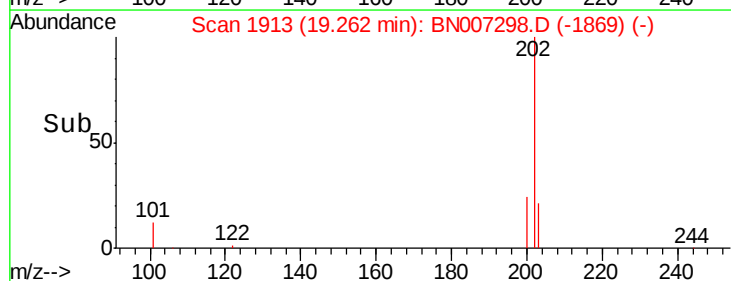
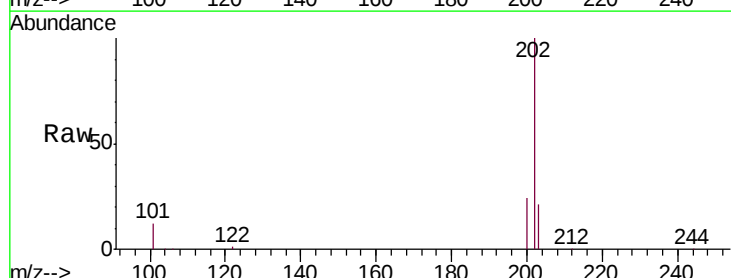
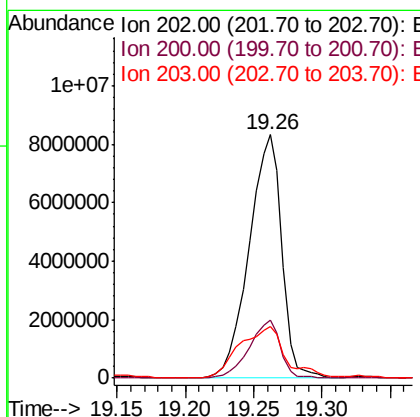
RT: 19.26 min Scan# 1913

Delta R.T. 0.02 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.9	16.7	25.1
203	29.6	13.9	20.9#





#29

Terphenyl-d14

Concen: 0.335 ng

RT: 19.47 min Scan# 1955

Delta R.T. -0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampleId :

S302-J-1.5-2.0-082019MSD

Tot Ion:244 Resp: 35002

Ion Ratio Lower Upper

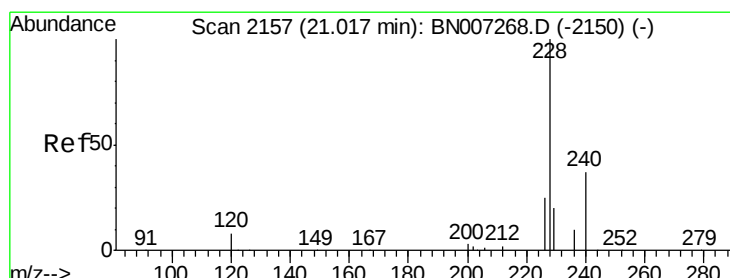
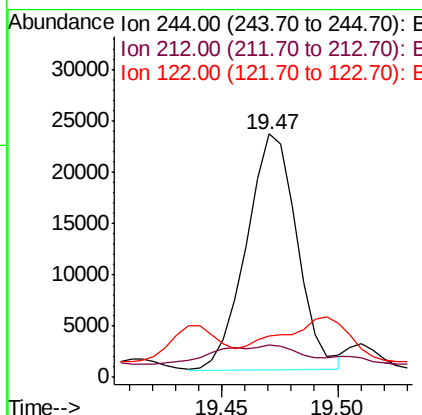
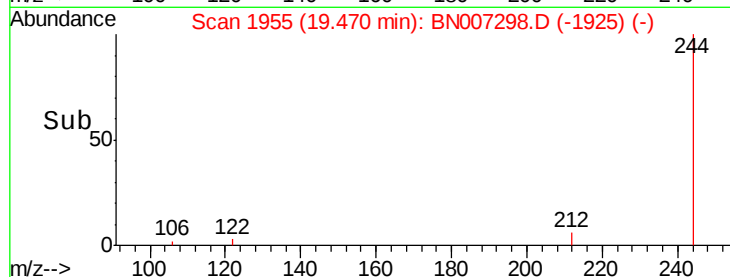
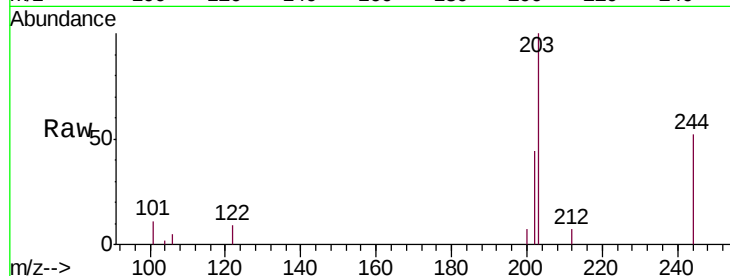
244 100

212 13.1 6.5 9.7#

122 16.9 7.9 11.9#

Manual Integrations
APPROVED

Jagrut
8/26/2019 12:24:44 PM



#30

Benzo(a)anthracene

Concen: 66.577 ng

RT: 21.03 min Scan# 2159

Delta R.T. 0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

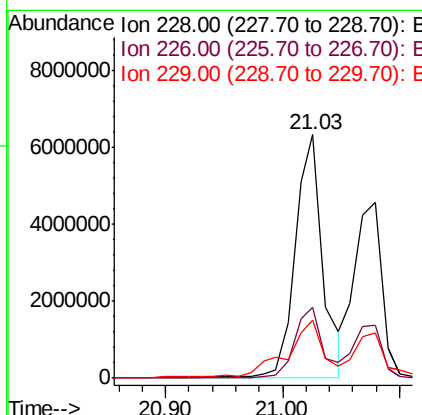
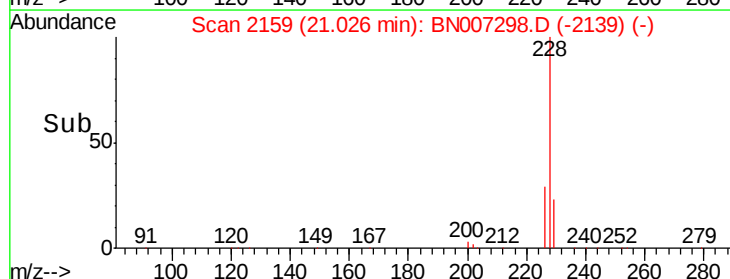
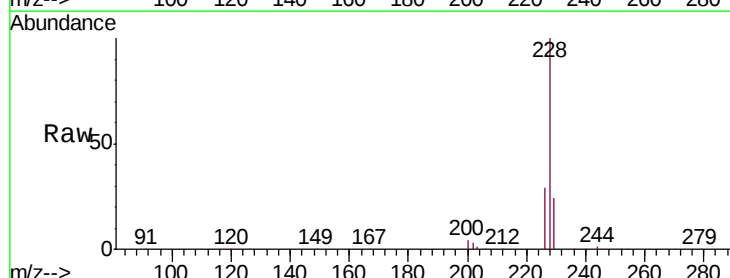
Tgt Ion:228 Resp:10345871

Ion Ratio Lower Upper

228 100

226 29.1 20.6 30.8

229 23.8 16.9 25.3





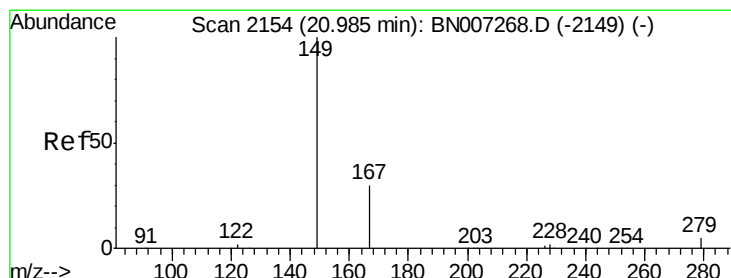
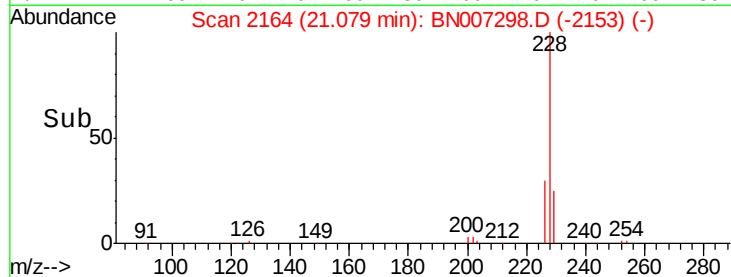
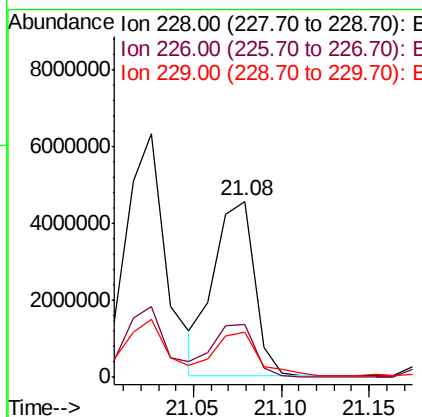
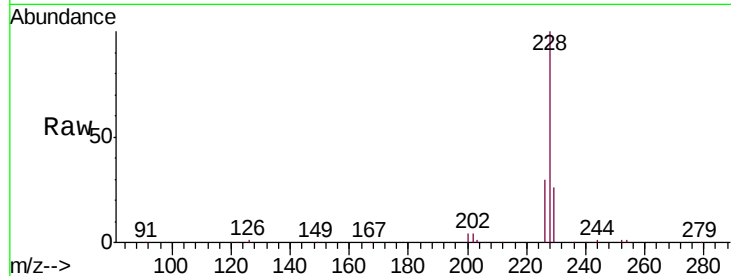
#31
 Chrysene
 Concen: 46.396 ng
 RT: 21.08 min Scan# 2164
 Delta R.T. 0.02 min
 Lab File: BN007298.D
 Acq: 21 Aug 2019 19:58

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-1.5-2.0-082019MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.6	36.8
229	25.8	15.6	23.4

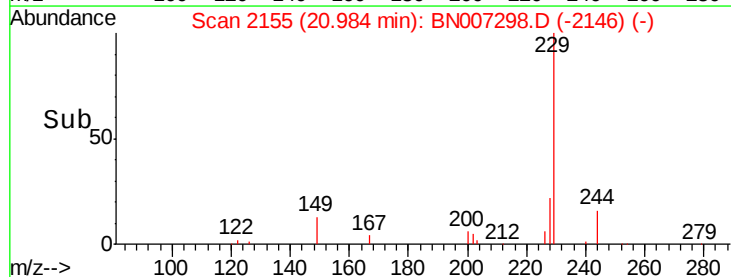
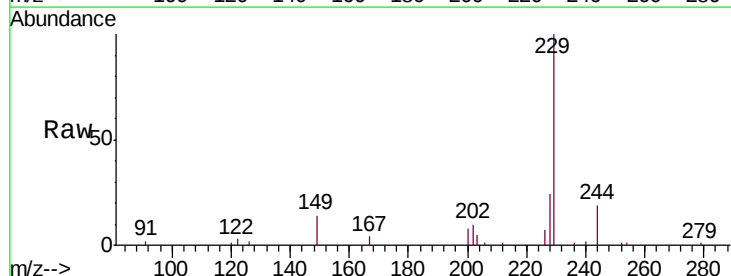
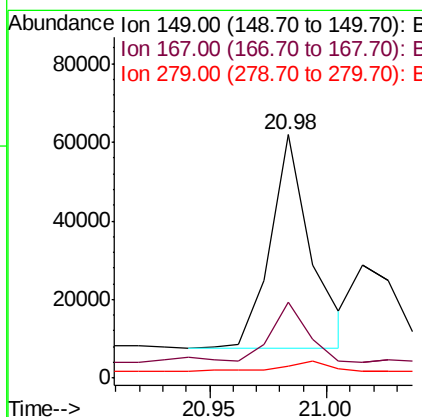
Manual Integrations
 APPROVED

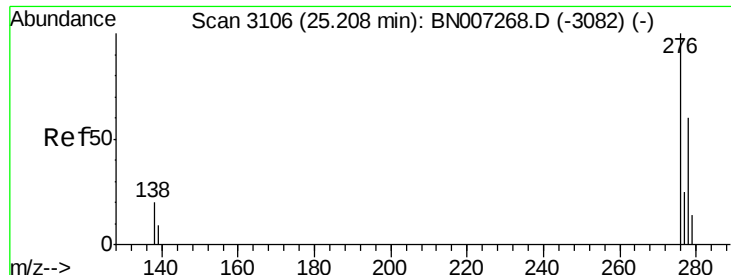
Jagrut
 8/26/2019 12:24:44 PM



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 1.059 ng
 RT: 20.98 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: BN007298.D
 Acq: 21 Aug 2019 19:58

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.9	23.8	35.6
279	4.8	3.8	5.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 25.068 ng

RT: 25.24 min Scan# 3117

Delta R.T. 0.03 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampleId :

S302-J-1.5-2.0-082019MSD

Tot Ion:276 Resp: 4783400

Ion Ratio Lower Upper

276 100

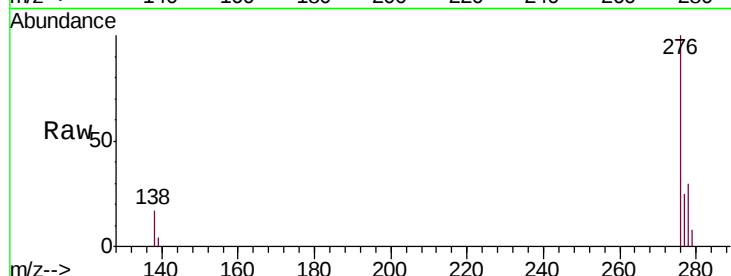
138 17.3 17.1 25.7

277 25.2 20.1 30.1

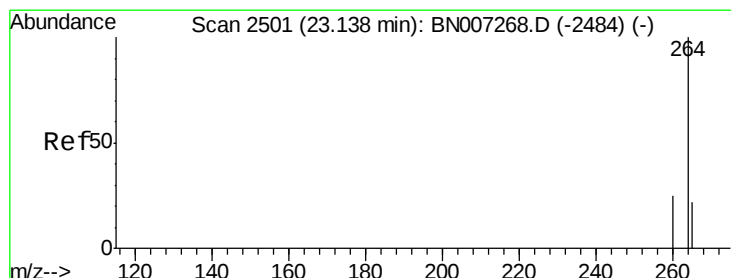
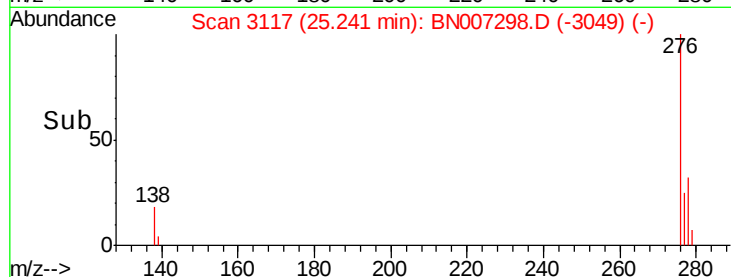
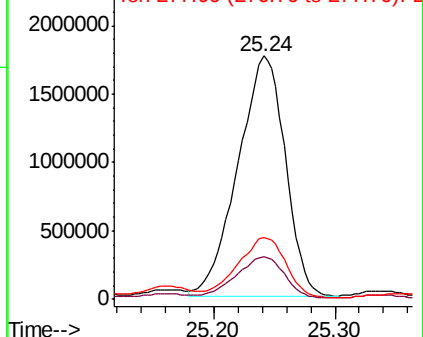
Manual Integrations
APPROVED

Jagrut

8/26/2019 12:24:44 PM



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.15 min Scan# 2506

Delta R.T. 0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

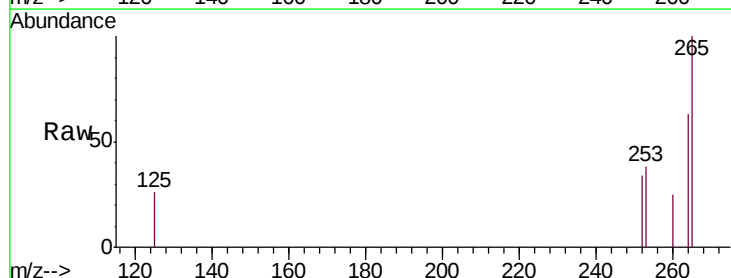
Tgt Ion:264 Resp: 56673

Ion Ratio Lower Upper

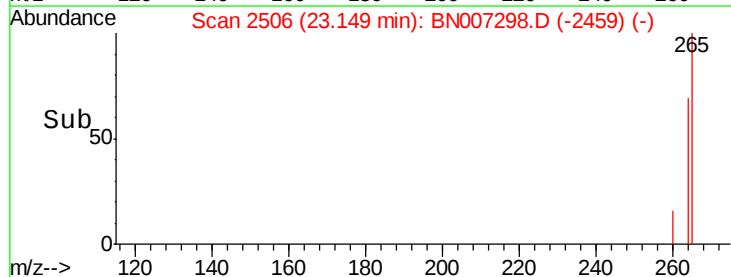
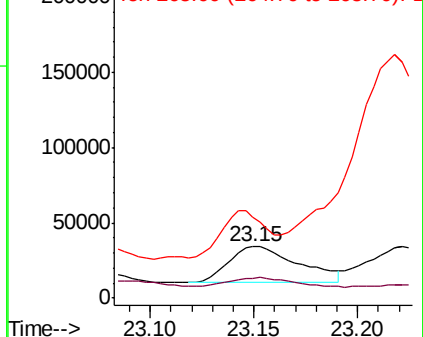
264 100

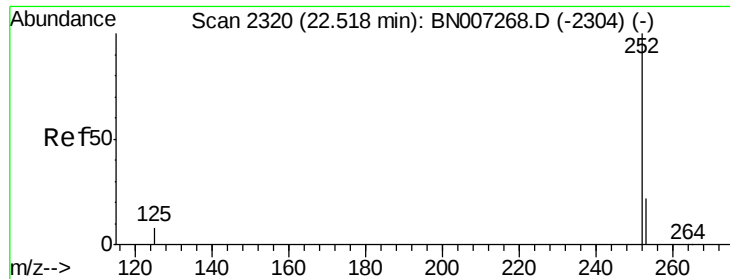
260 39.5 20.1 30.1#

265 159.6 29.0 43.6#



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





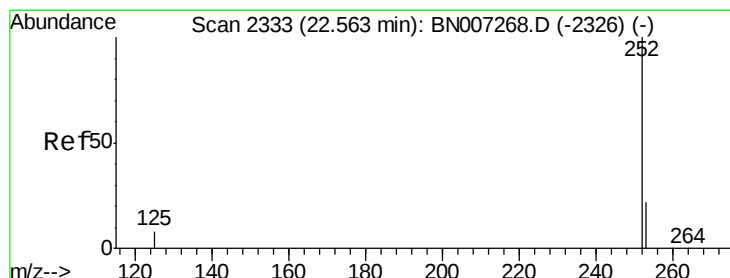
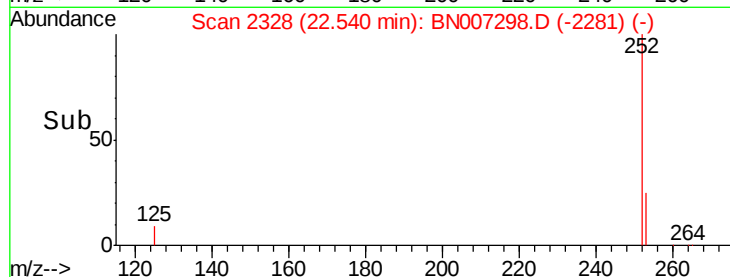
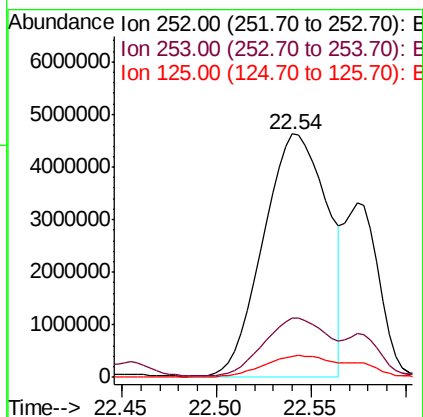
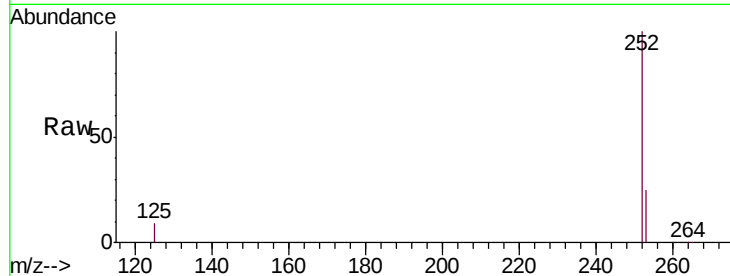
#35
Benzo(b)fluoranthene
Concen: 51.084 ng
RT: 22.54 min Scan# 2328
Delta R.T. 0.02 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019MSD

Tot Ion:252 Resp:10792916
Ion Ratio Lower Upper
252 100
253 24.6 18.5 27.7
125 8.8 7.8 11.6

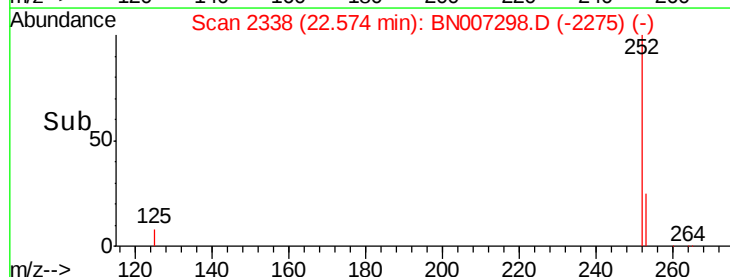
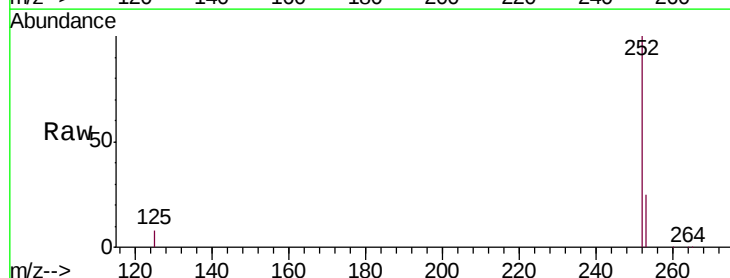
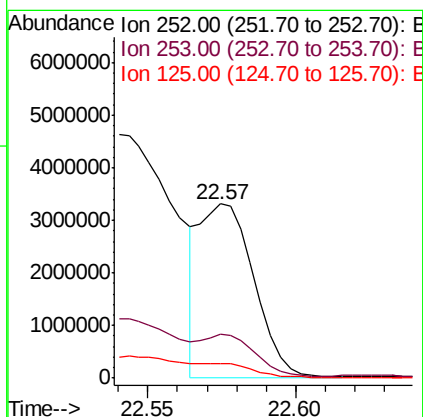
Manual Integrations
APPROVED

Jagrut
8/26/2019 12:24:44 PM



#36
Benzo(k)fluoranthene
Concen: 20.596 ng m
RT: 22.57 min Scan# 2338
Delta R.T. 0.01 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Tgt Ion:252 Resp: 4263065
Ion Ratio Lower Upper
252 100
253 24.9 18.4 27.6
125 8.4 8.0 12.0





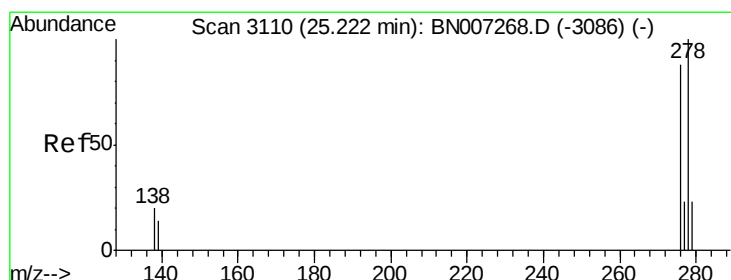
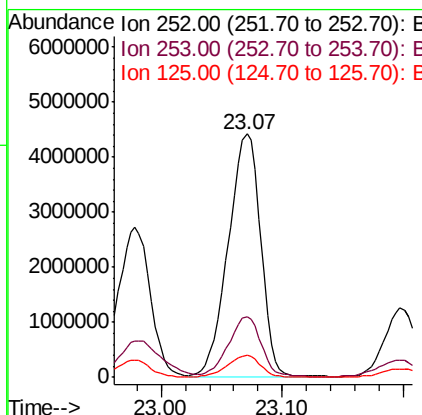
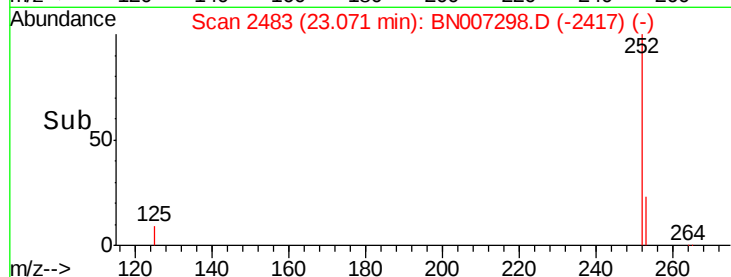
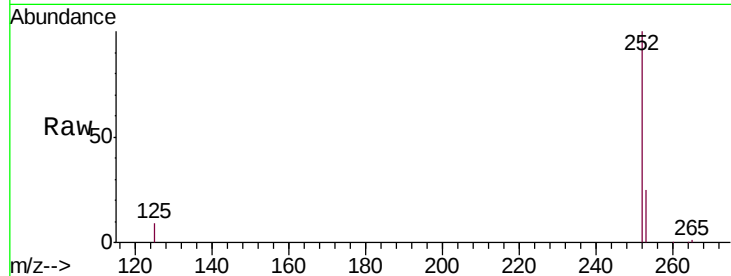
#37
Benzo(a)pyrene
Concen: 42.826 ng
RT: 23.07 min Scan# 2483
Delta R.T. 0.03 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019MSD

Tot Ion:252 Resp: 8154723
Ion Ratio Lower Upper
252 100
253 24.8 18.7 28.1
125 9.0 8.7 13.1

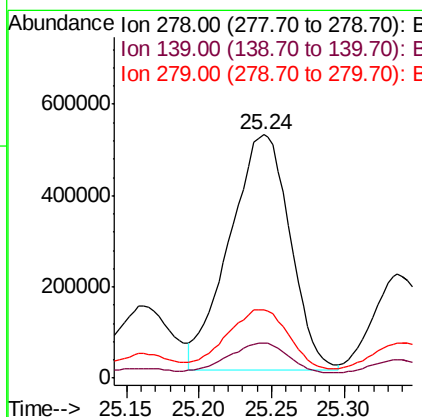
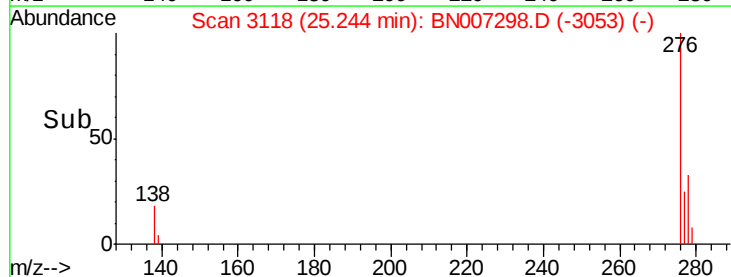
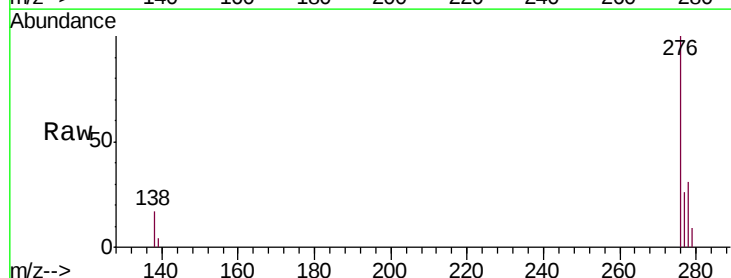
Manual Integrations
APPROVED

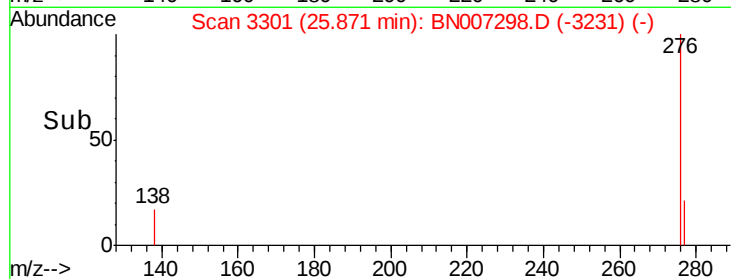
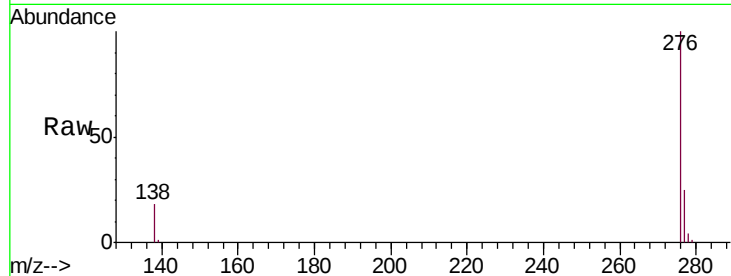
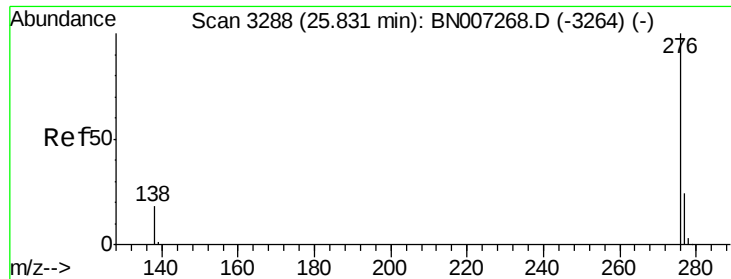
Jagrut
8/26/2019 12:24:44 PM



#38
Dibenzo(a,h)anthracene
Concen: 7.490 ng
RT: 25.24 min Scan# 3118
Delta R.T. 0.02 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Tgt Ion:278 Resp: 1498224
Ion Ratio Lower Upper
278 100
139 14.5 11.8 17.8
279 28.1 19.8 29.6





#39

Benzo(a,h,i)perylene

Concen: 20.951 ng

RT: 25.87 min Scan# 3301

Delta R.T. 0.04 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Tot Ion:	276	Resp:	4236250
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.5	29.3
138	17.8	15.3	22.9

Instrument :

BNA_N

ClientSampleId :

S302-J-1.5-2.0-082019MSD

Manual Integrations
APPROVED

Jagrut
8/26/2019 12:24:44 PM

