

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004857.D
 Acq On : 21 Mar 2019 19:24
 Operator : JU/SJ
 Sample : PB117788BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB117788BS

Manual Integrations
 APPROVED

Sohil
 3/22/2019 7:16:22 PM

Quant Time: Mar 22 02:36:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 20 16:06:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1700	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	7335	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	4572	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	12802	0.40	ng	0.00
27) Chrysene-d12	21.29	240	16721	0.40	ng	0.00
34) Perylene-d12	23.55	264	18428	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.30	112	1050	0.23	ng	0.00
5) Phenol-d6	6.89	99	1270	0.22	ng	0.00
8) Nitrobenzene-d5	8.87	82	908	0.19	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	2913m	0.23	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	518	0.16	ng	0.01
15) 2-Fluorobiphenyl	12.96	172	4220	0.22	ng	0.00
25) Fluoranthene-d10	19.13	212	8772	0.20	ng	0.00
29) Terphenyl-d14	19.73	244	7420	0.22	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.23	88	314	0.162	ng	# 40
3) n-Nitrosodimethylamine	3.58	42	190	0.166	ng	# 98
6) bis(2-Chloroethyl)ether	7.14	93	1008	0.194	ng	97
9) Naphthalene	10.53	128	4265	0.207	ng	97
10) Hexachlorobutadiene	10.80	225	782	0.199	ng	# 97
12) 2-Methylnaphthalene	12.15	142	3124	0.204	ng	98
16) Acenaphthylene	14.07	152	4438	0.188	ng	100
17) Acenaphthene	14.40	154	3102	0.201	ng	100
18) Fluorene	15.39	166	4349	0.202	ng	98
20) 4-Bromophenyl-phenylether	16.28	248	1536	0.184	ng	95
21) Hexachlorobenzene	16.39	284	1823	0.190	ng	97
22) Pentachlorophenol	16.78	266	199m	0.106	ng	
23) Phenanthrene	17.13	178	7987	0.193	ng	99
24) Anthracene	17.23	178	6889	0.187	ng	100
26) Fluoranthene	19.16	202	9990	0.188	ng	100
28) Pyrene	19.53	202	10310	0.202	ng	99
30) Benzo(a)anthracene	21.28	228	10431	0.190	ng	98
31) Chrysene	21.33	228	11822	0.205	ng	99
32) Bis(2-ethylhexyl)phthalate	21.18	149	3224	0.147	ng	99
33) Indeno(1,2,3-cd)pyrene	25.83	276	15393	0.184	ng	100
35) Benzo(b)fluoranthene	22.87	252	12971	0.195	ng	97
36) Benzo(k)fluoranthene	22.91	252	13155	0.201	ng	98
37) Benzo(a)pyrene	23.45	252	12147	0.199	ng	96
38) Dibenzo(a,h)anthracene	25.83	278	12838	0.181	ng	97
39) Benzo(g,h,i)perylene	26.52	276	13274	0.184	ng	98

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

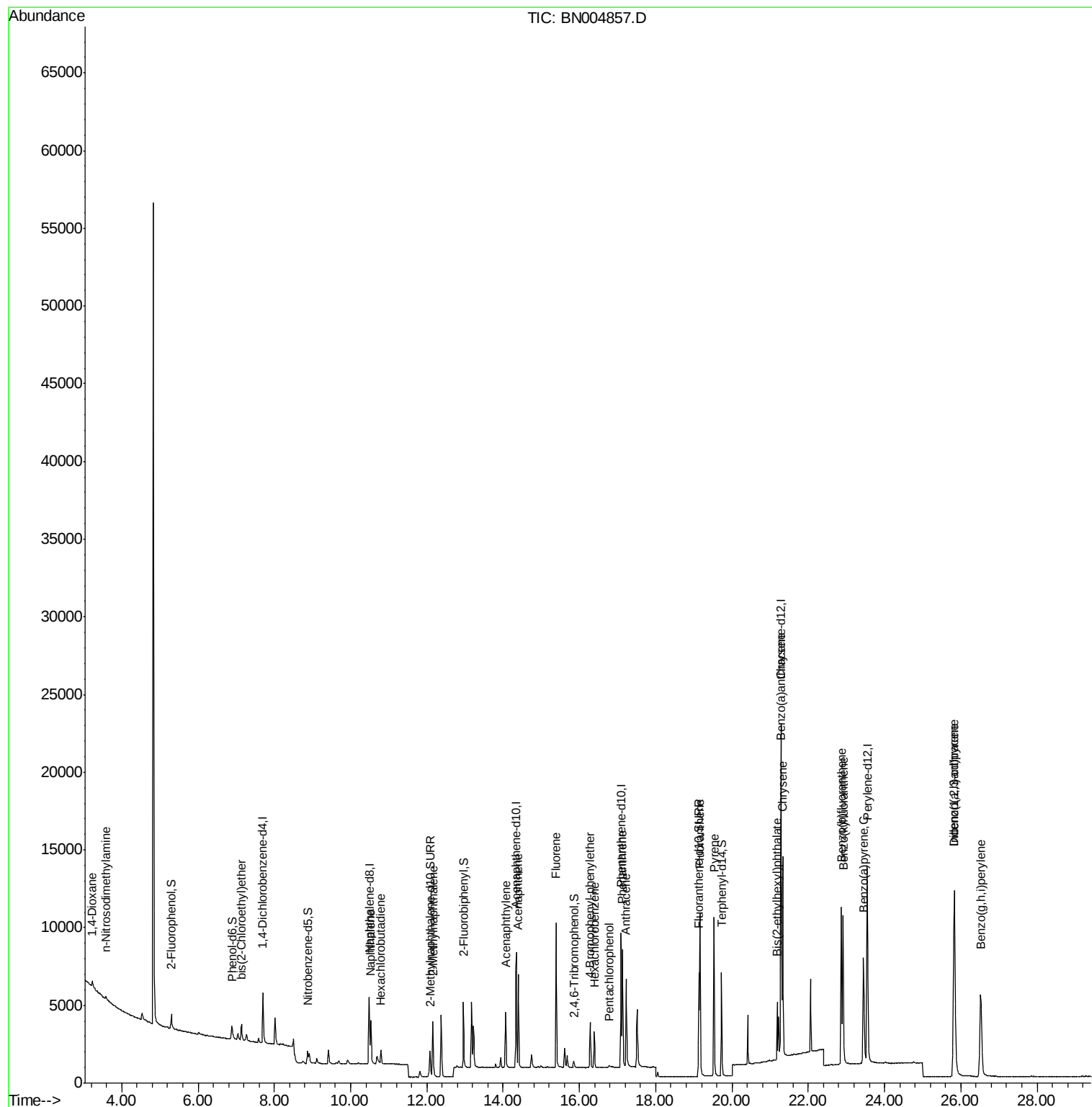
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
Data File : BN004857.D
Acq On : 21 Mar 2019 19:24
Operator : JU/SJ
Sample : PB117788BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB117788BS

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:22 PM

Quant Time: Mar 22 02:36:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 20 16:06:20 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 580

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

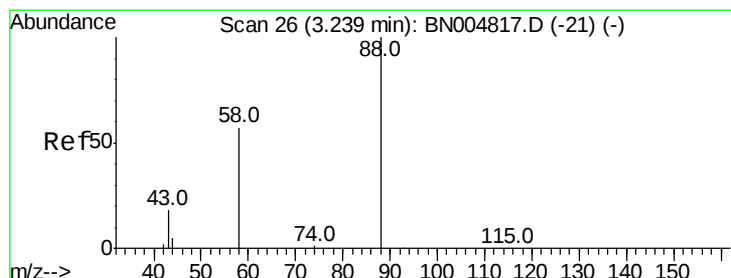
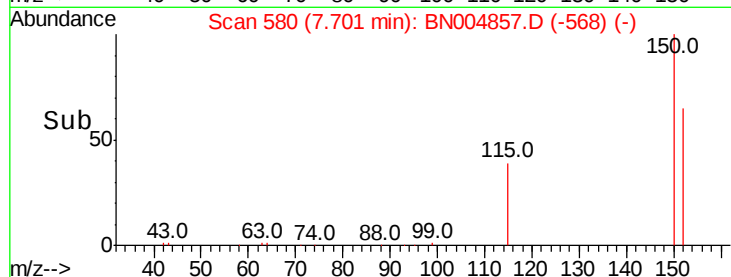
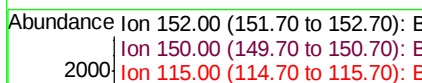
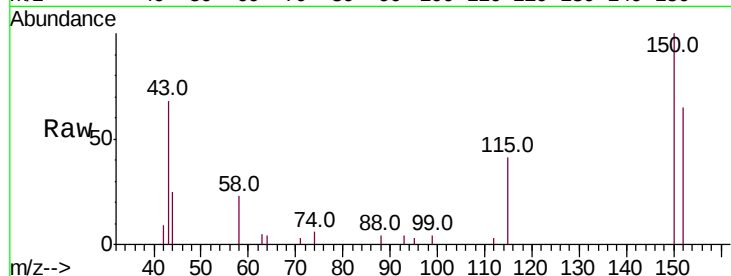
ClientSampleId :

PB117788BS

Tot Ion:	152	Resp:	1700
Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.2	189.4
115	63.0	52.6	79.0

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:22 PM



#2

1,4-Dioxane

Concen: 0.162 ng

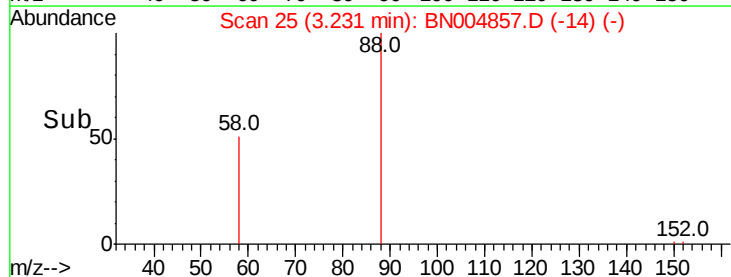
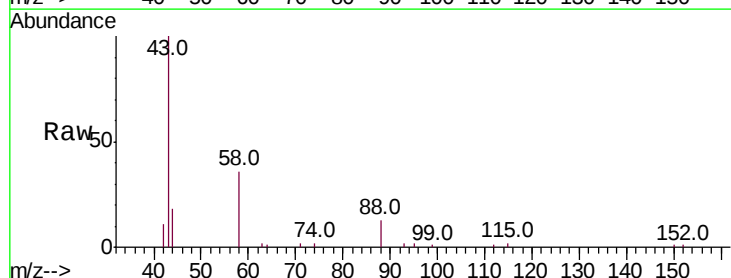
RT: 3.23 min Scan# 25

Delta R.T. -0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Tgt Ion:	88	Resp:	314
Ion	Ratio	Lower	Upper
88	100		
58	115.0	51.4	77.2#
43	0.0	20.0	30.0#





#3

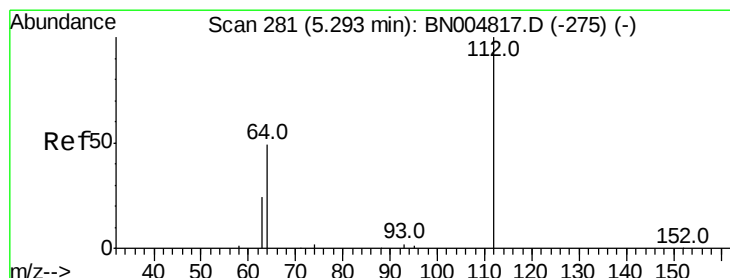
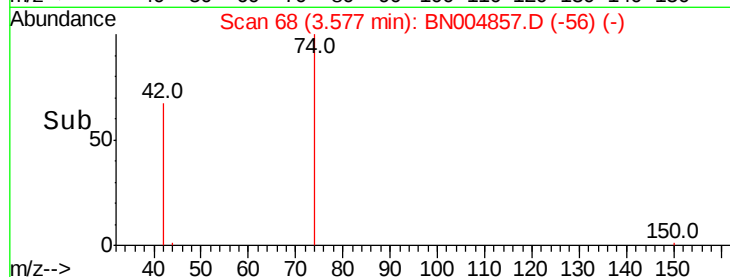
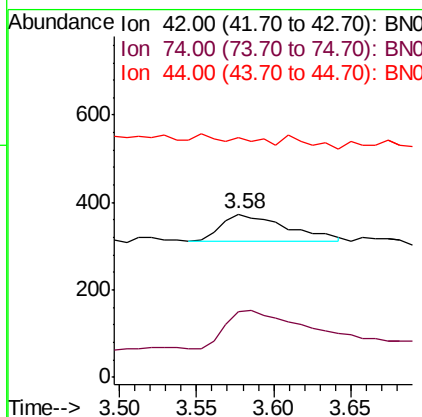
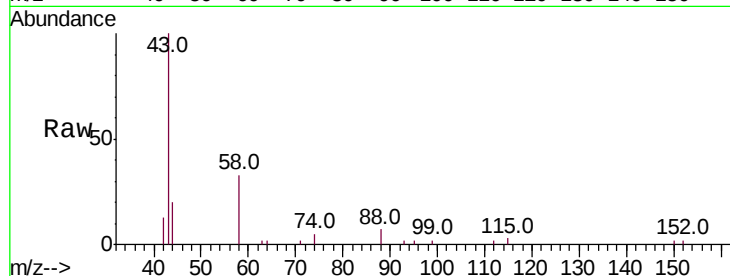
n-Nitrosodimethylamine
 Concen: 0.166 ng
 RT: 3.58 min Scan# 68
 Delta R.T. -0.00 min
 Lab File: BN004857.D
 Acq: 21 Mar 2019 19:24

Instrument :
 BNA_N
 ClientSampleId :
 PB117788BS

Tot Ion	Ratio	Lower	Upper
42	100		
74	158.9	128.4	192.6
44	0.0	6.1	9.1#

Manual Integrations
 APPROVED

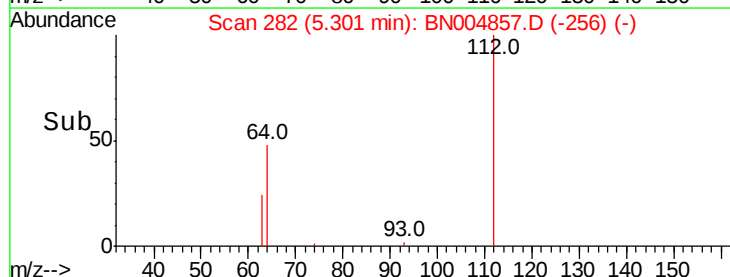
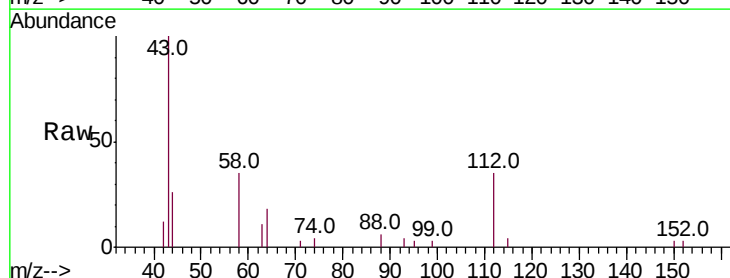
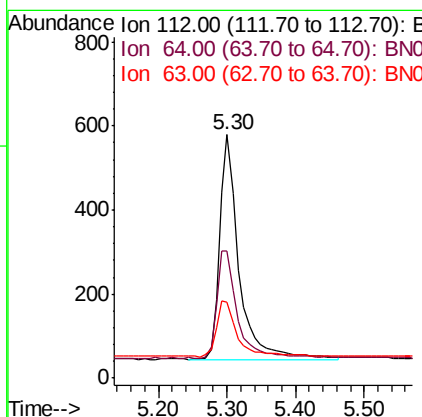
Sohil
 3/22/2019 7:16:22 PM



#4

2-Fluorophenol
 Concen: 0.227 ng
 RT: 5.30 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: BN004857.D
 Acq: 21 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	40.0	60.0
63	27.0	20.2	30.2





#5

Phenol-d6

Concen: 0.221 ng

RT: 6.89 min Scan# 479

Delta R.T. 0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

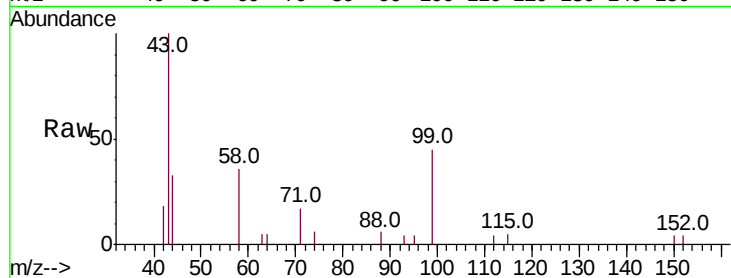
ClientSampleId :

PB117788BS

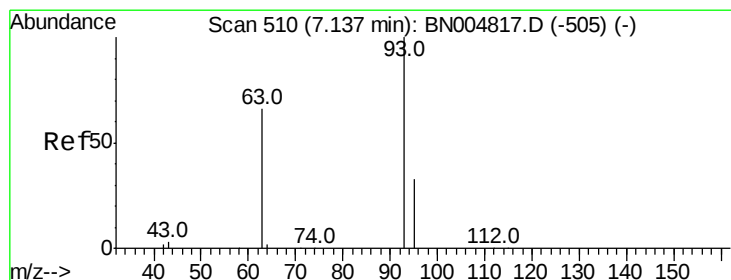
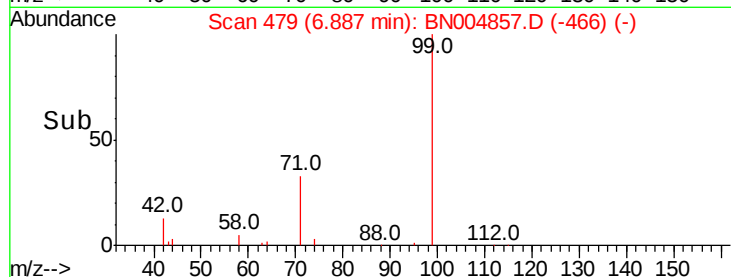
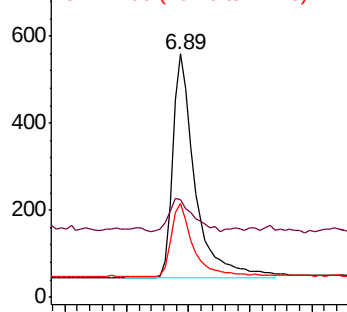
Tot Ion:	99	Resp:	1270
Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.7	19.1
71	32.3	26.6	40.0

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:22 PM



Abundance Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.194 ng

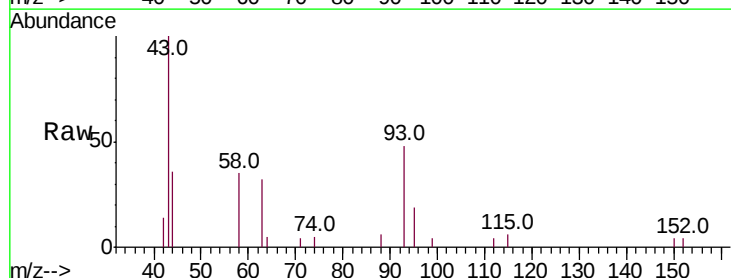
RT: 7.14 min Scan# 510

Delta R.T. -0.00 min

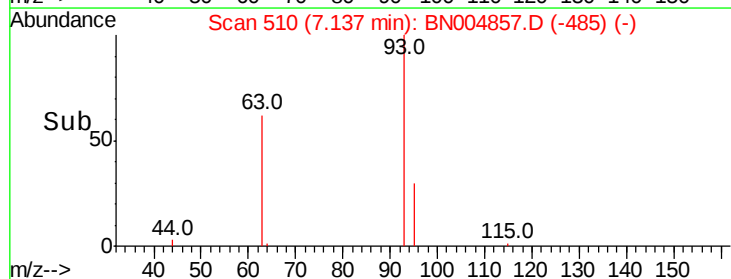
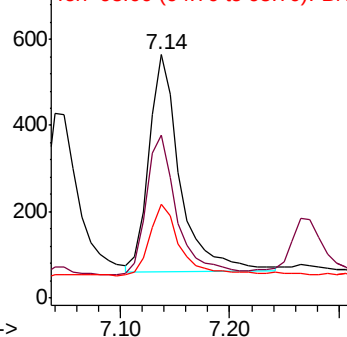
Lab File: BN004857.D

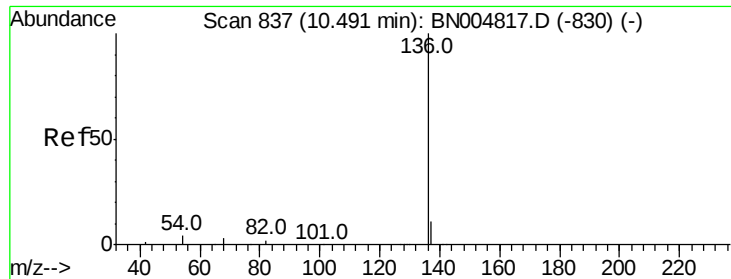
Acq: 21 Mar 2019 19:24

Tgt Ion:	93	Resp:	1008
Ion	Ratio	Lower	Upper
93	100		
63	63.2	52.6	78.8
95	33.5	25.9	38.9



Abundance Ion 93.00 (92.70 to 93.70): BN004817.D (-505) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

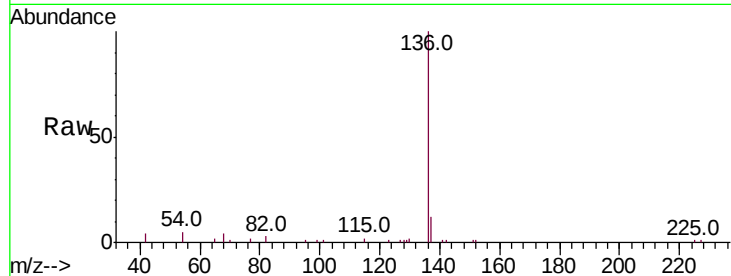
ClientSampleId :

PB117788BS

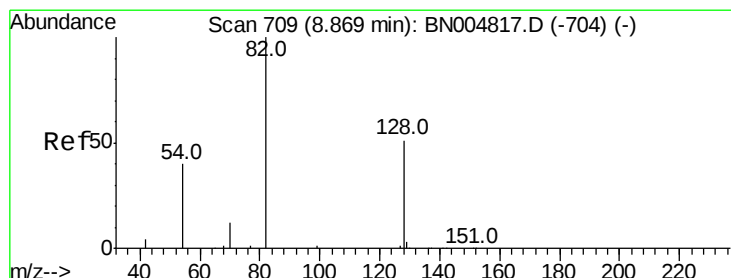
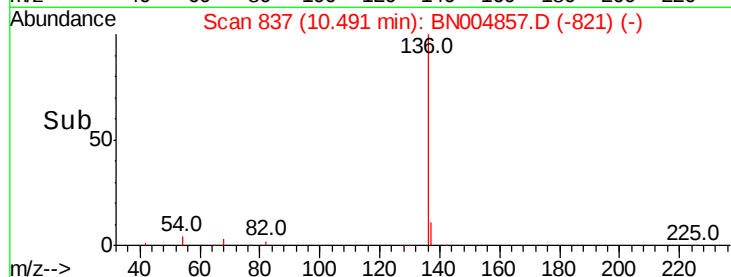
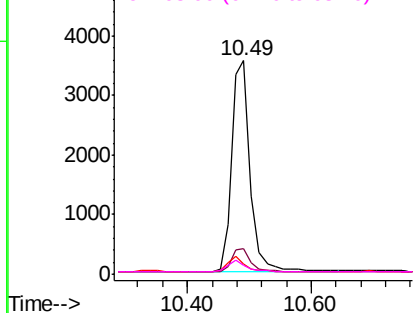
Tot Ion:	136	Resp:	7335
Ion Ratio	Lower	Upper	
136	100		
137	12.1	9.6	14.4
54	4.9	4.2	6.2
68	4.3	3.9	5.9

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:22 PM



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.187 ng

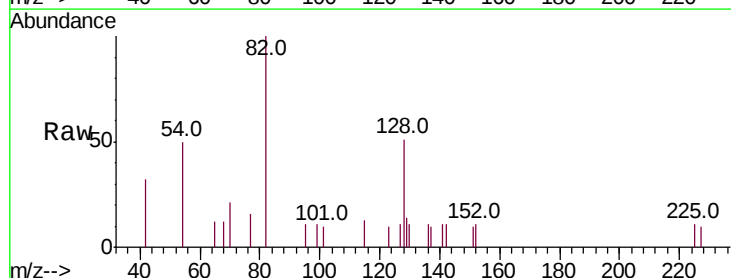
RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

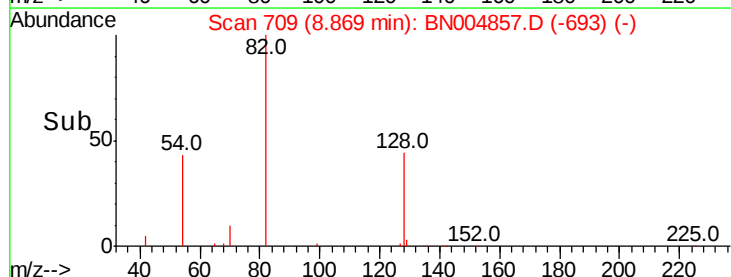
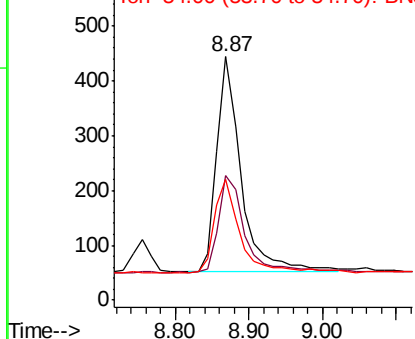
Lab File: BN004857.D

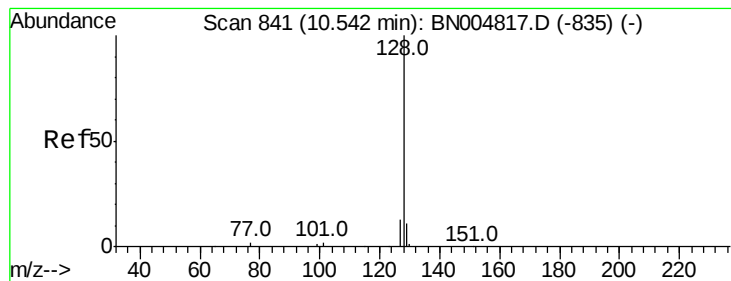
Acq: 21 Mar 2019 19:24

Tgt Ion:	82	Resp:	908
Ion Ratio	Lower	Upper	
82	100		
128	51.1	43.0	64.6
54	49.8	35.3	52.9



Abundance Ion 82.00 (81.70 to 82.70): BNC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.207 ng

RT: 10.53 min Scan# 840

Delta R.T. -0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

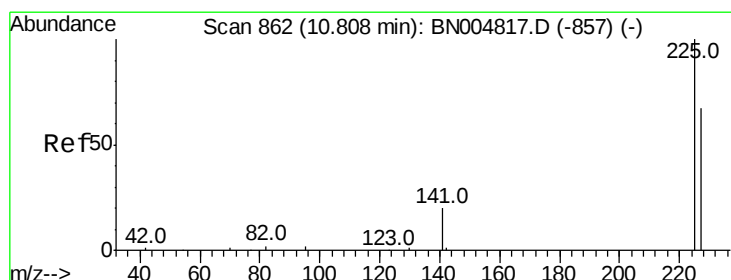
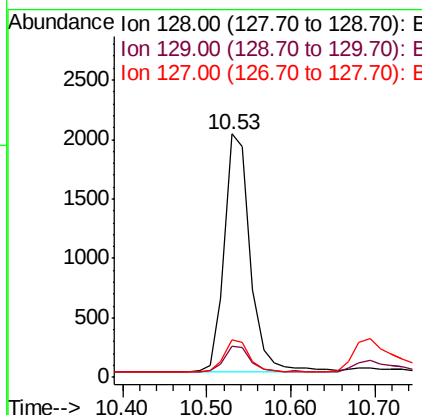
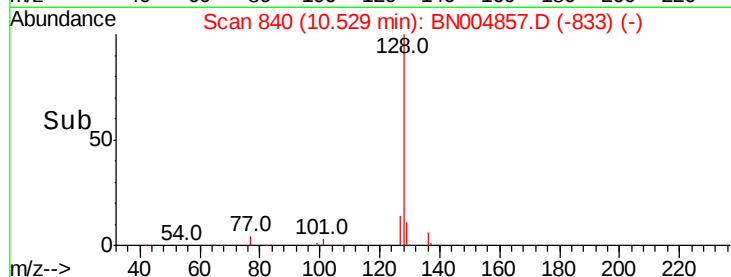
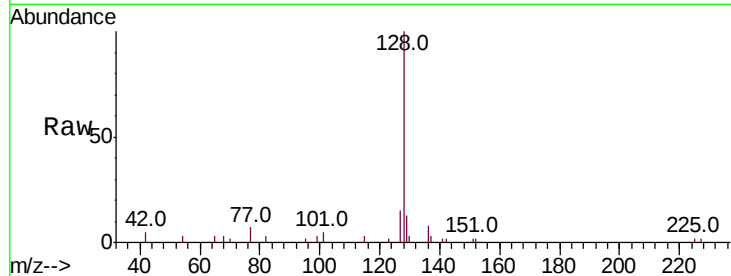
ClientSampleId :

PB117788BS

Tot Ion:128	Resp:	4265
Ion Ratio	Lower	Upper
128 100		
129 13.0	9.9	14.9
127 15.5	11.3	16.9

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:22 PM



#10

Hexachlorobutadiene

Concen: 0.199 ng

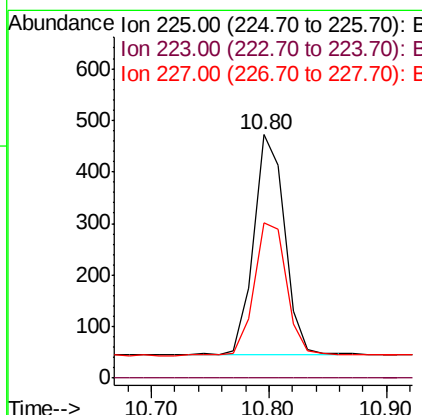
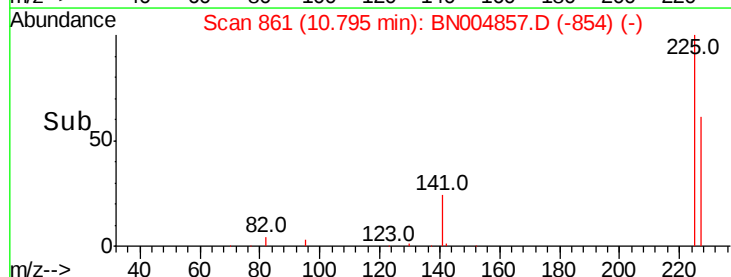
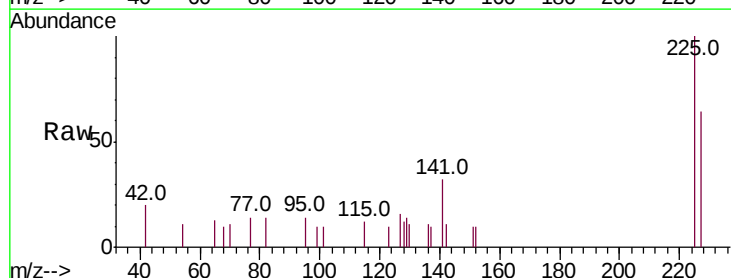
RT: 10.80 min Scan# 861

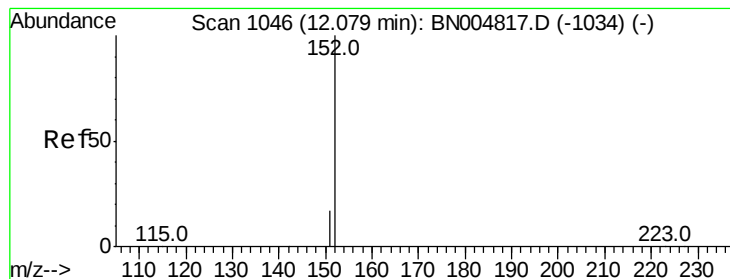
Delta R.T. -0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Tgt Ion:225	Resp:	782
Ion Ratio	Lower	Upper
225 100		
223 0.0	0.0	0.0
227 62.7	52.2	78.4





#11

2-Methylnaphthalene-d10

Concen: 0.228 ng

RT: 12.08 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

Tot Ion:152 Resp: 2913

Ion Ratio Lower Upper

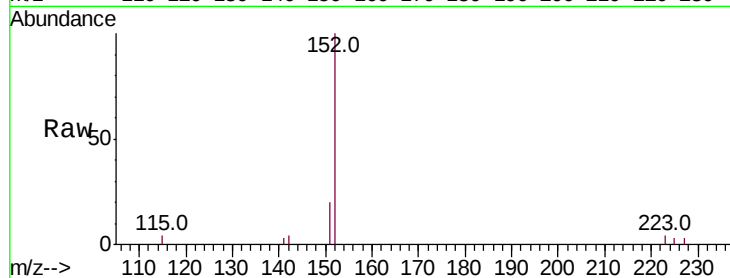
152 100

151 17.7 15.5 23.3

Manual Integrations
APPROVED

Sohil

3/22/2019 7:16:22 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

1500

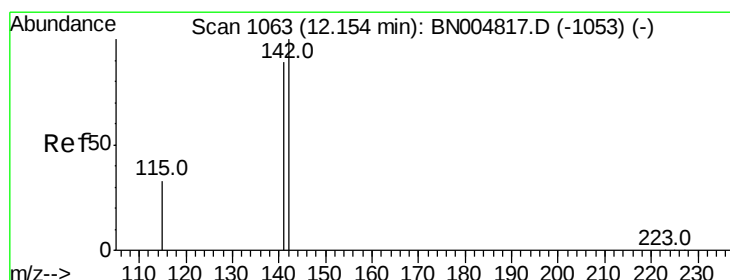
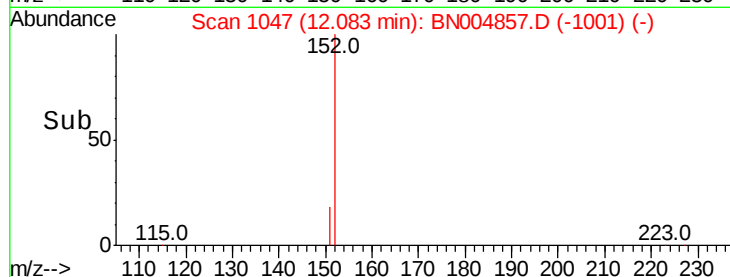
12.08

1000

500

0

Time--> 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.204 ng

RT: 12.15 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

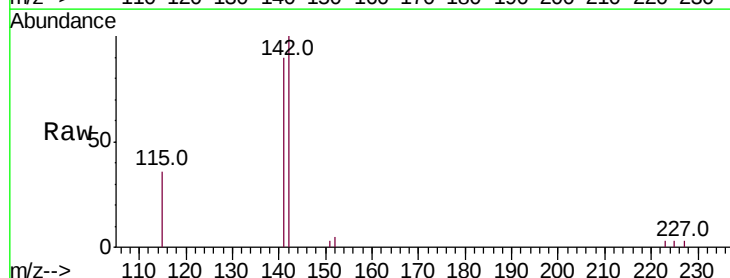
Tgt Ion:142 Resp: 3124

Ion Ratio Lower Upper

142 100

141 90.5 71.4 107.2

115 36.1 27.5 41.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

2000

12.15

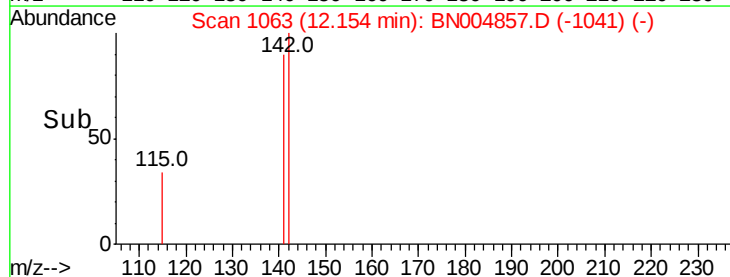
1500

1000

500

0

Time--> 12.10 12.20 12.30





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

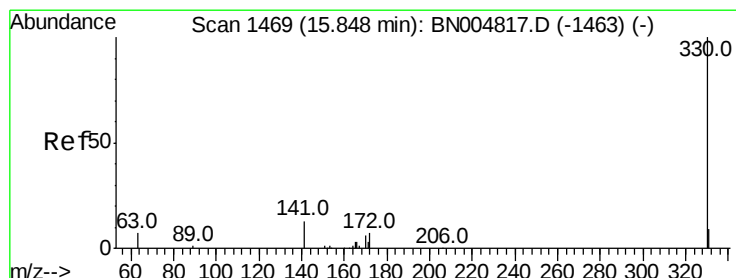
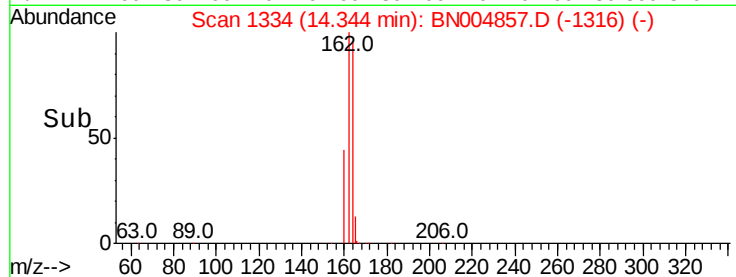
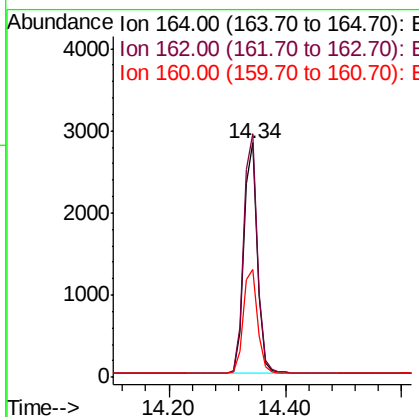
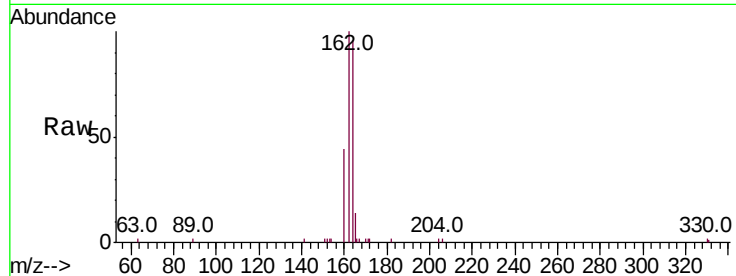
ClientSampleId :

PB117788BS

Tot Ion:	164	Resp:	4572
Ion Ratio	Lower	Upper	
164	100		
162	104.0	81.9	122.9
160	46.2	36.6	54.8

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:22 PM



#14

2,4,6-Tribromophenol

Concen: 0.164 ng

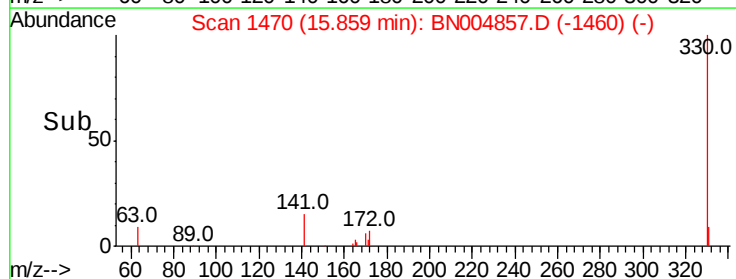
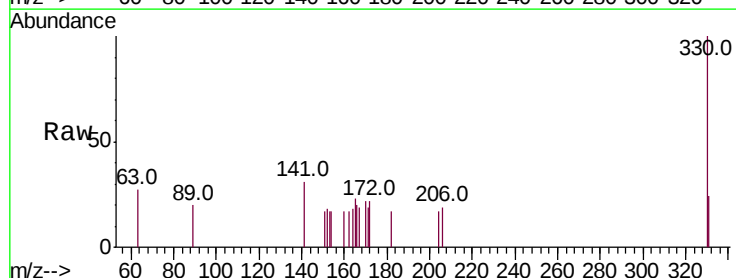
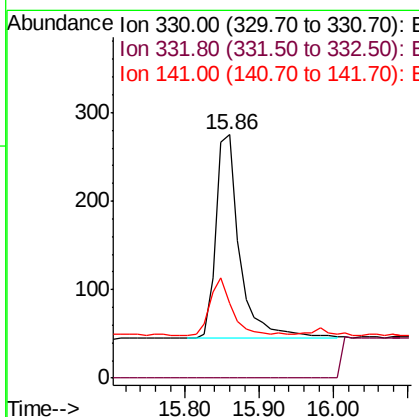
RT: 15.86 min Scan# 1470

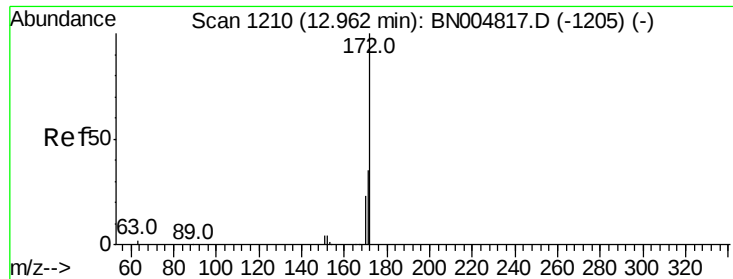
Delta R.T. 0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Tgt Ion:	330	Resp:	518
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	26.6	20.9	31.3





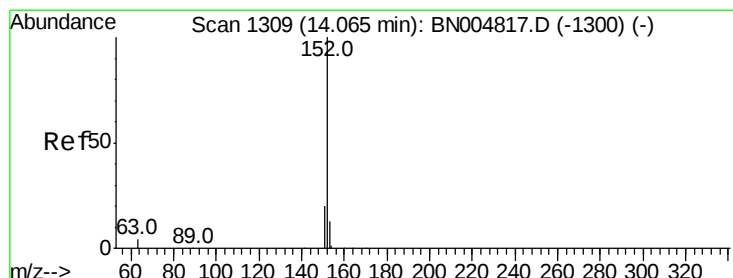
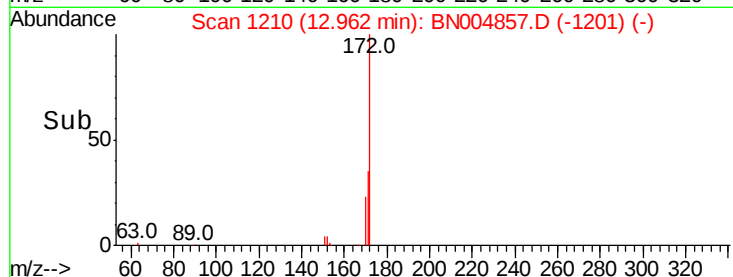
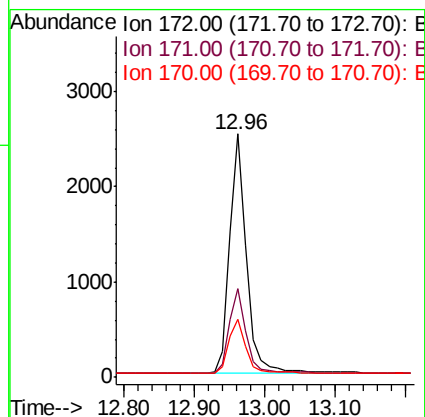
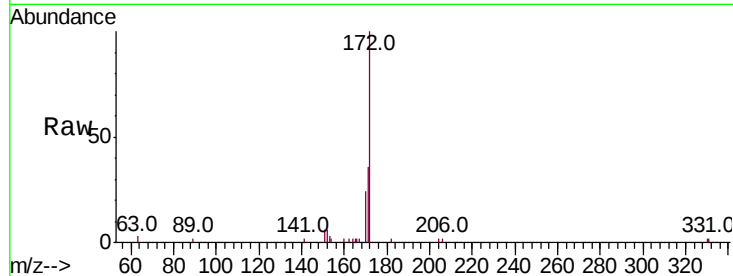
#15
2-Fluorobiphenyl
Concen: 0.223 ng
RT: 12.96 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BN004857.D
Acq: 21 Mar 2019 19:24

Instrument :
BNA_N
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.7	43.1
170	23.9	18.7	28.1

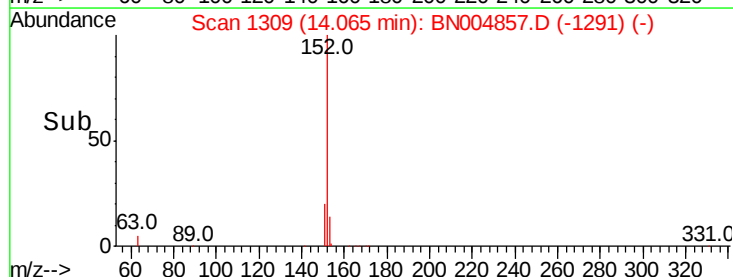
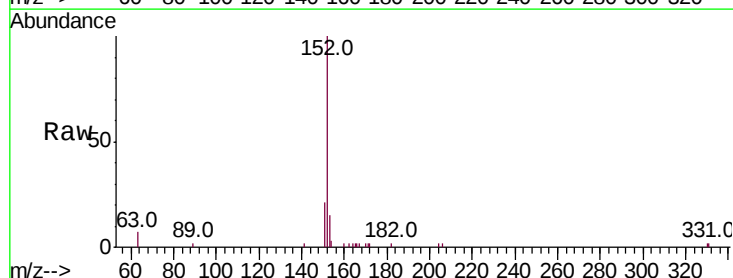
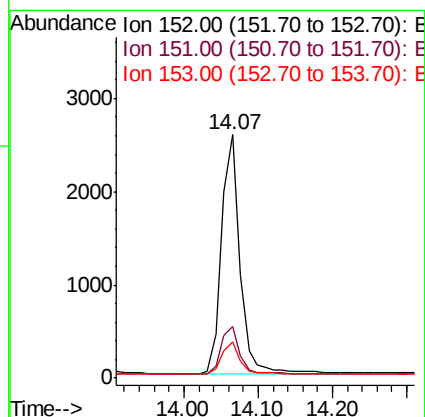
Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:22 PM



#16
Acenaphthylene
Concen: 0.188 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BN004857.D
Acq: 21 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.1	24.1
153	13.5	10.5	15.7





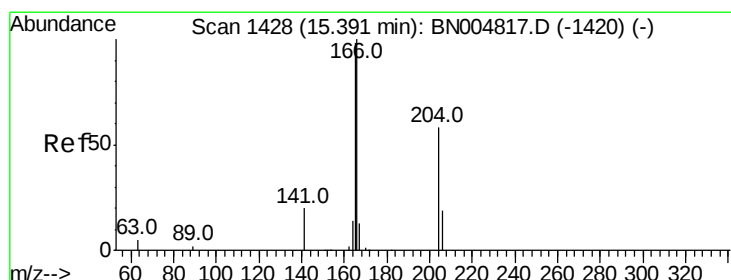
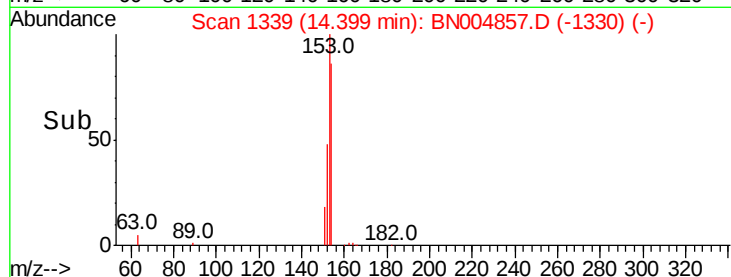
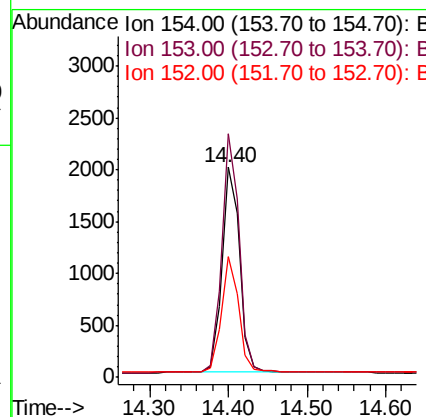
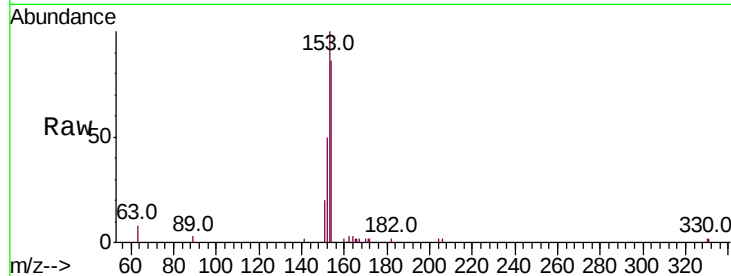
#17
Acenaphthene
Concen: 0.201 ng
RT: 14.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BN004857.D
Acq: 21 Mar 2019 19:24

Instrument :
BNA_N
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.4	137.2
152	54.9	44.2	66.2

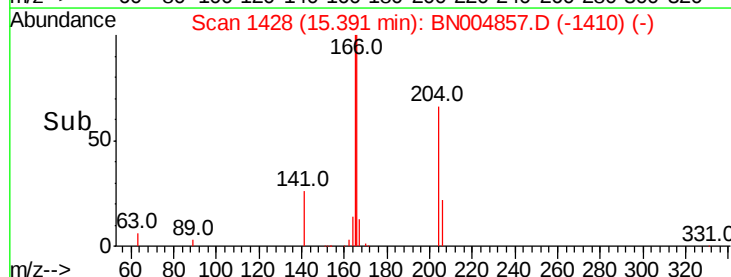
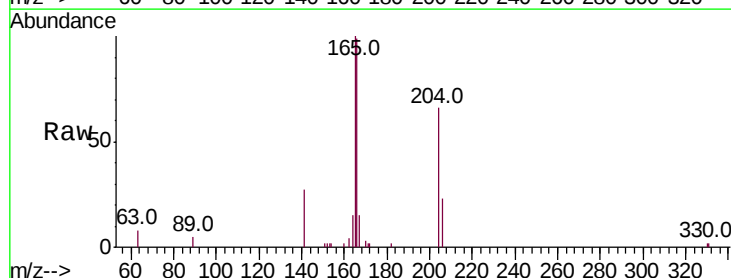
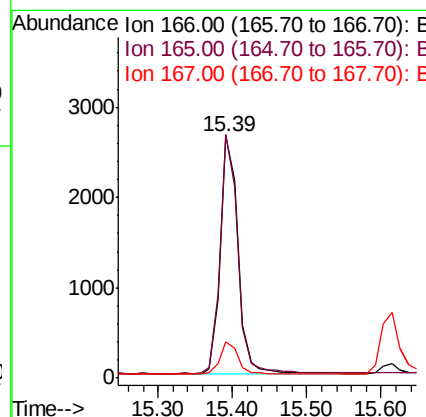
Manual Integrations
APPROVED

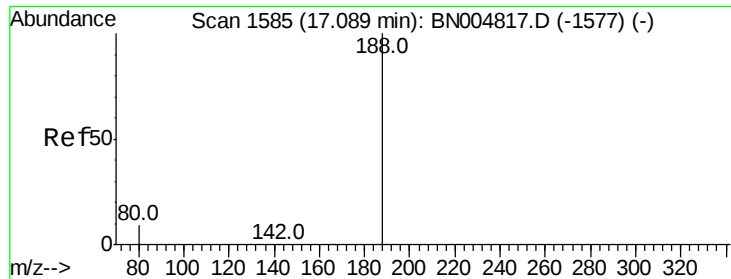
Sohil
3/22/2019 7:16:22 PM



#18
Fluorene
Concen: 0.202 ng
RT: 15.39 min Scan# 1428
Delta R.T. -0.00 min
Lab File: BN004857.D
Acq: 21 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.2	117.4
167	13.6	11.0	16.4





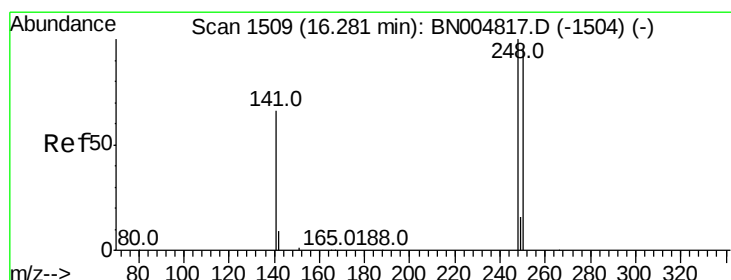
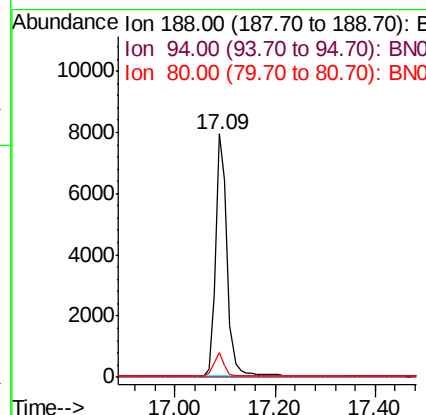
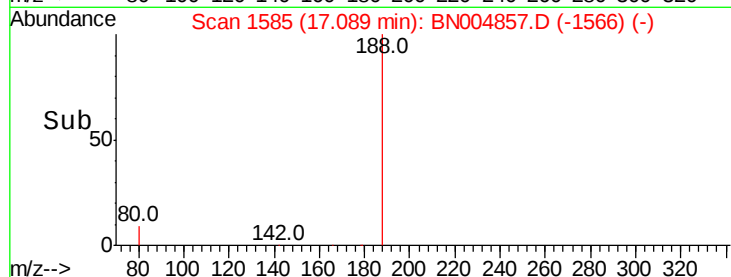
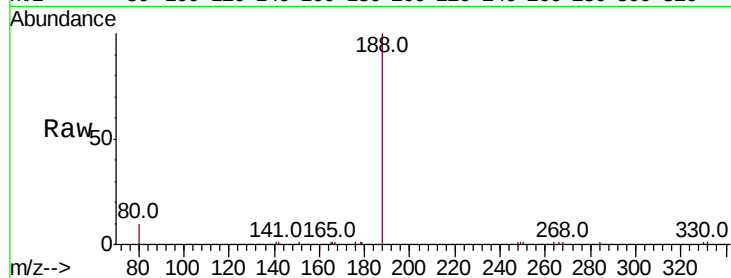
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BN004857.D
Acq: 21 Mar 2019 19:24

Instrument :
BNA_N
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	12802		
94	0.0	0.0	0.0	0.0
80	9.9	7.4	11.2	

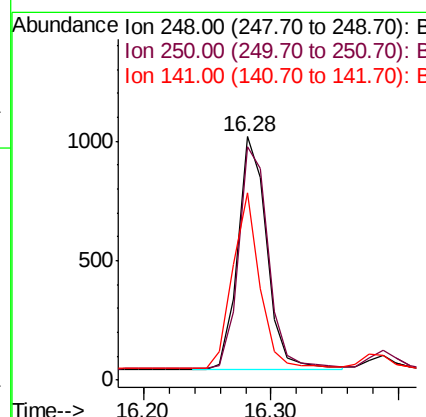
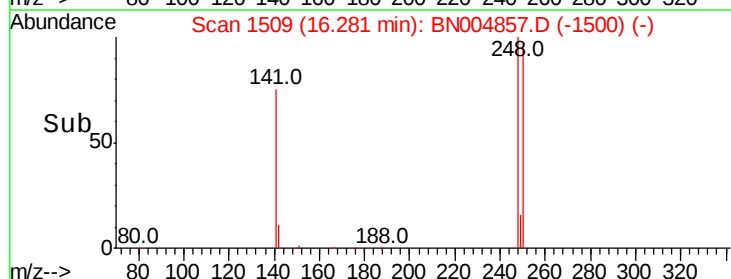
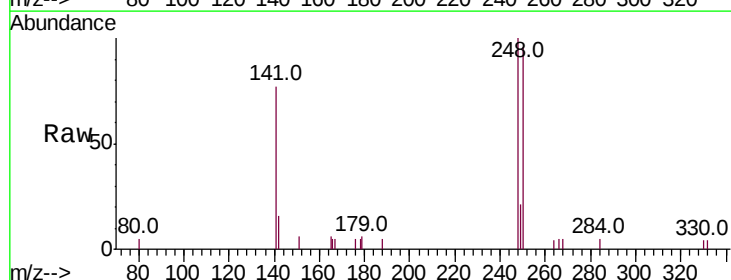
Manual Integrations
APPROVED

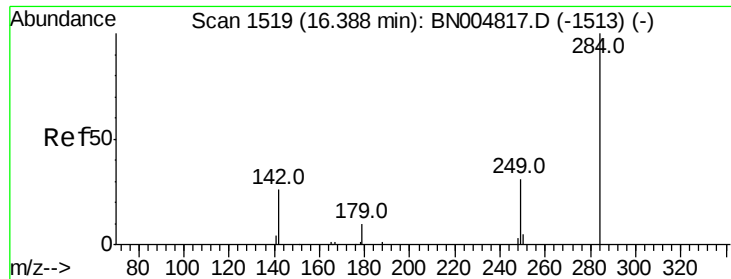
Sohil
3/22/2019 7:16:22 PM



#20
4-Bromophenyl-phenylether
Concen: 0.184 ng
RT: 16.28 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BN004857.D
Acq: 21 Mar 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	1536		
250	95.8	76.2	114.4	
141	76.9	53.9	80.9	





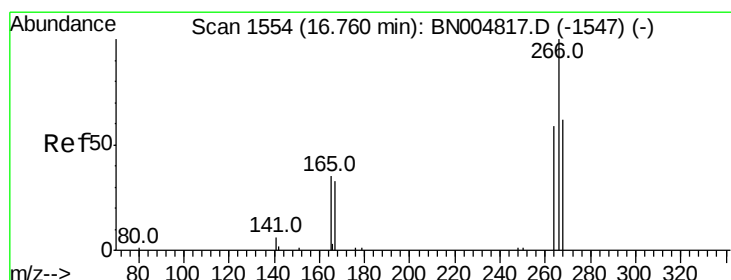
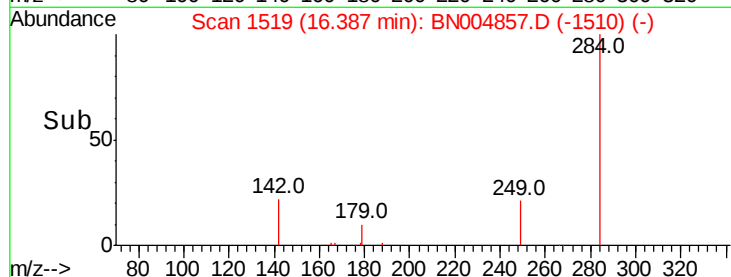
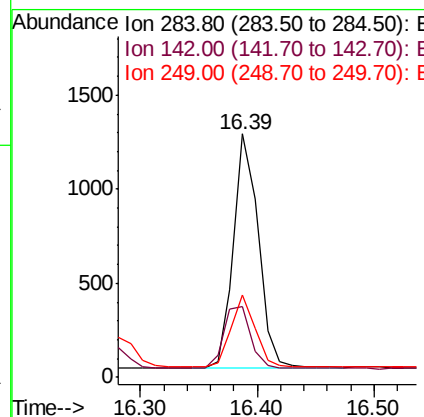
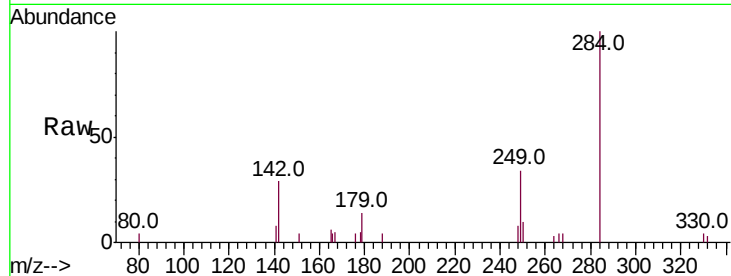
#21
Hexachlorobenzene
Concen: 0.190 ng
RT: 16.39 min Scan# 1519
Delta R.T. -0.00 min
Lab File: BN004857.D
Acq: 21 Mar 2019 19:24

Instrument :
BNA_N
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
284	100		
142	29.8	22.6	34.0
249	30.0	22.5	33.7

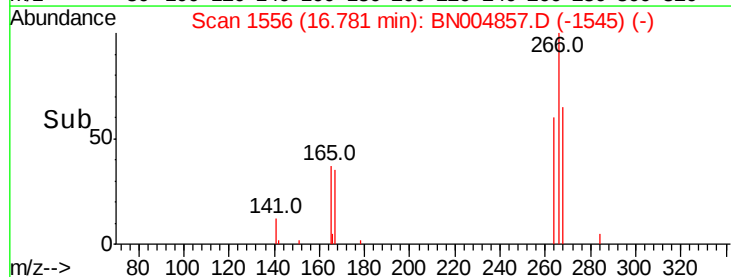
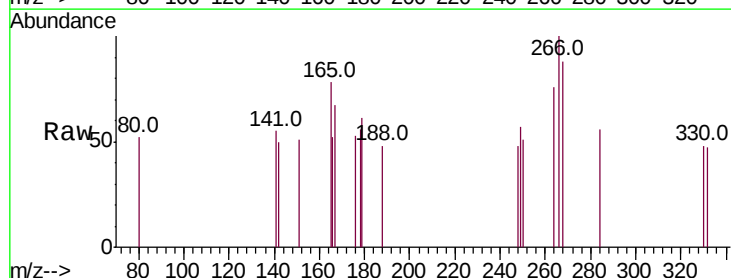
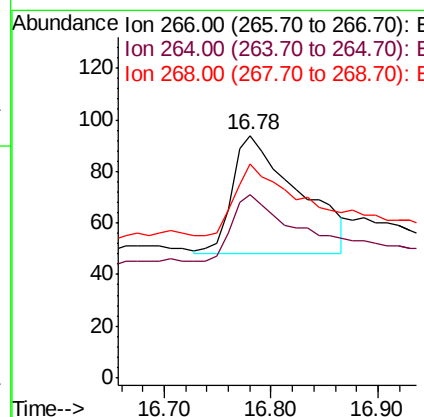
Manual Integrations
APPROVED

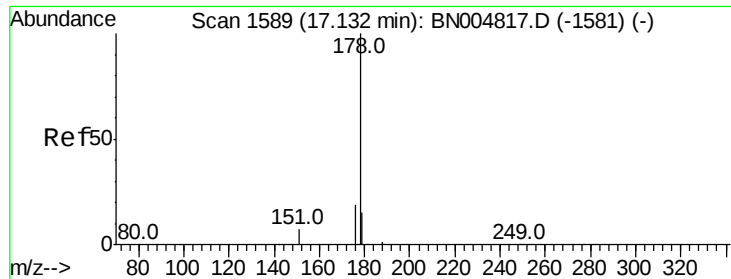
Sohil
3/22/2019 7:16:22 PM



#22
Pentachlorophenol
Concen: 0.106 ng m
RT: 16.78 min Scan# 1556
Delta R.T. 0.02 min
Lab File: BN004857.D
Acq: 21 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
266	100		
264	75.5	53.1	79.7
268	88.3	57.7	86.5#





#23

Phenanthrene

Concen: 0.193 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

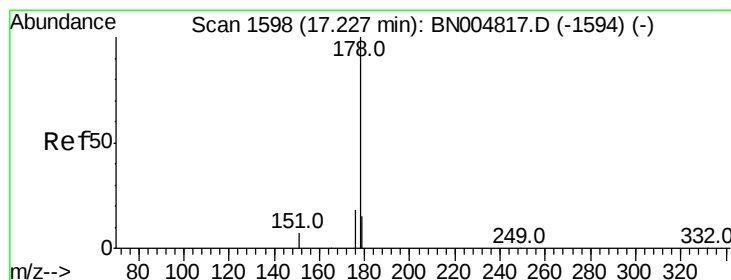
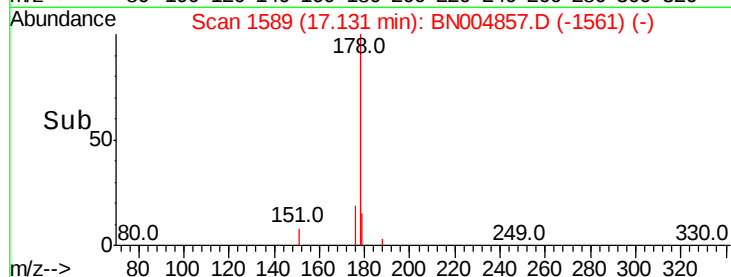
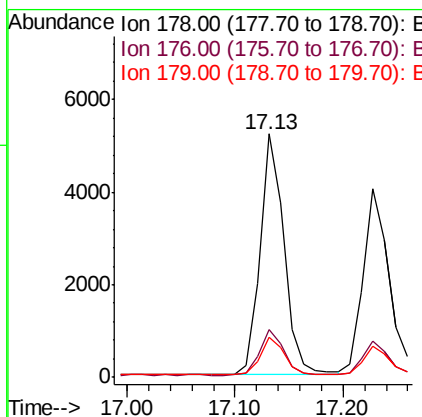
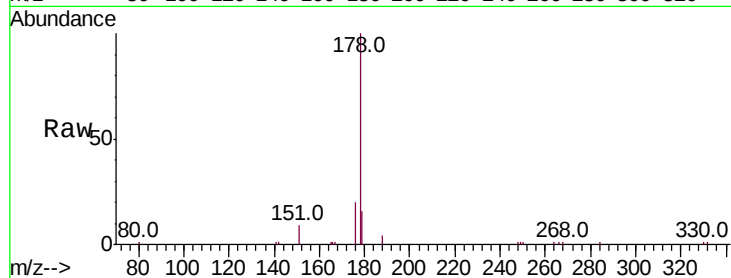
ClientSampleId :

PB117788BS

Tot Ion:	178	Resp:	7987
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.9	22.3
179	15.6	12.1	18.1

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:22 PM



#24

Anthracene

Concen: 0.187 ng

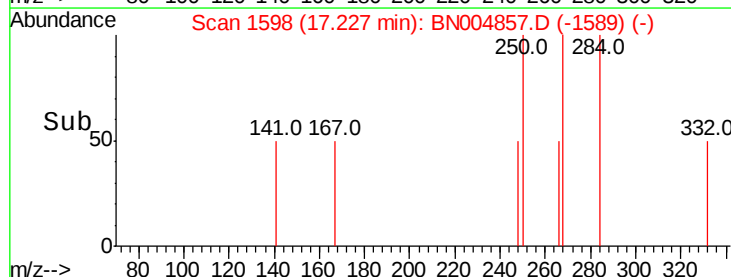
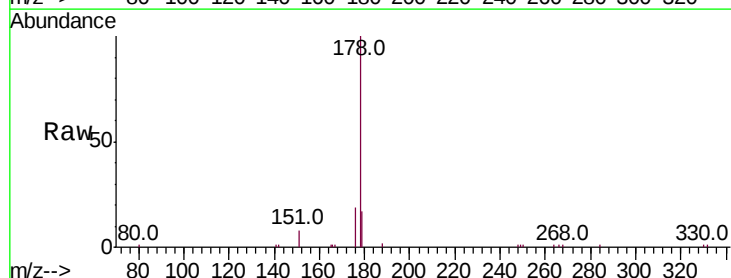
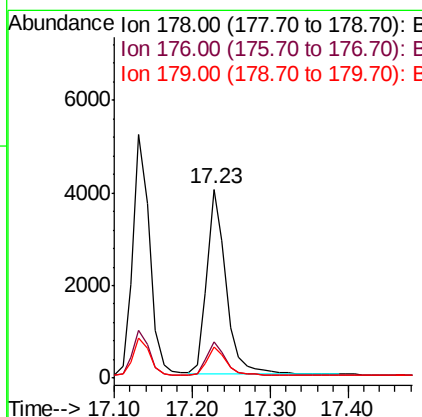
RT: 17.23 min Scan# 1598

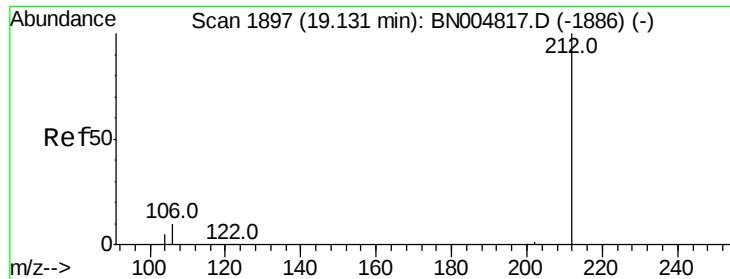
Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Tgt Ion:	178	Resp:	6889
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.5	21.7
179	15.4	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.205 ng

RT: 19.13 min Scan# 1897

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

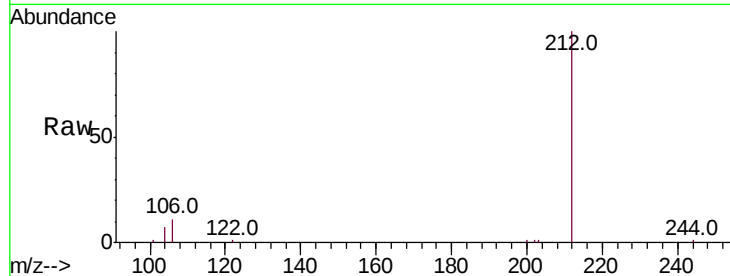
ClientSampleId :

PB117788BS

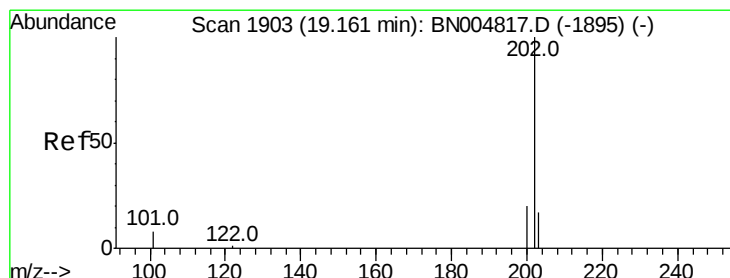
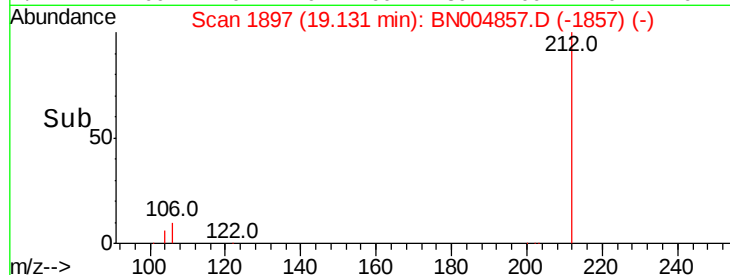
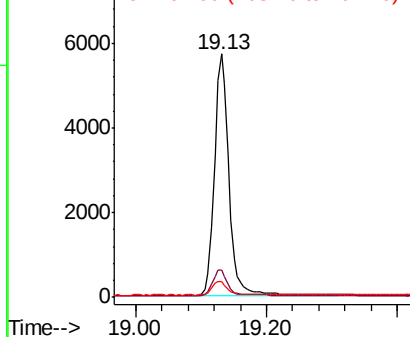
Tot Ion:	212	Resp:	8772
Ion Ratio	Lower	Upper	
212	100		
106	10.6	8.6	13.0
104	6.1	4.7	7.1

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:22 PM



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.188 ng

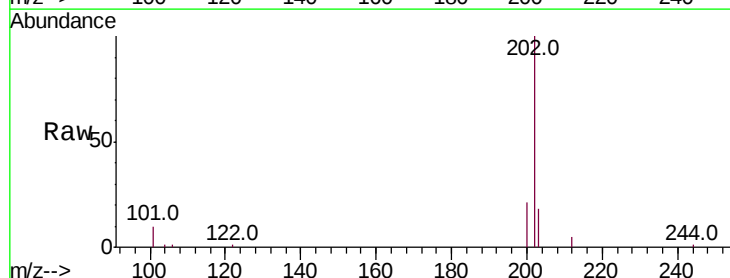
RT: 19.16 min Scan# 1903

Delta R.T. -0.00 min

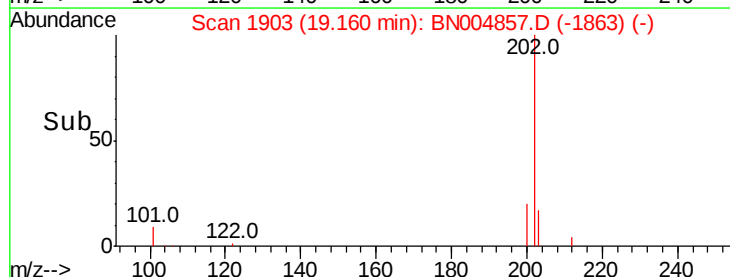
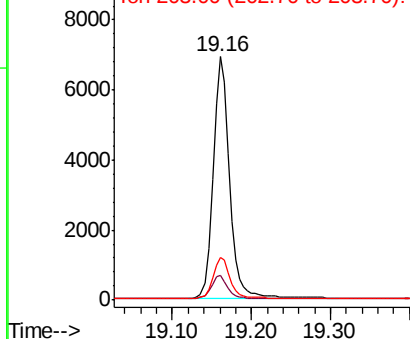
Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Tgt Ion:	202	Resp:	9990
Ion Ratio	Lower	Upper	
202	100		
101	9.3	7.5	11.3
203	17.4	13.8	20.6



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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.29 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

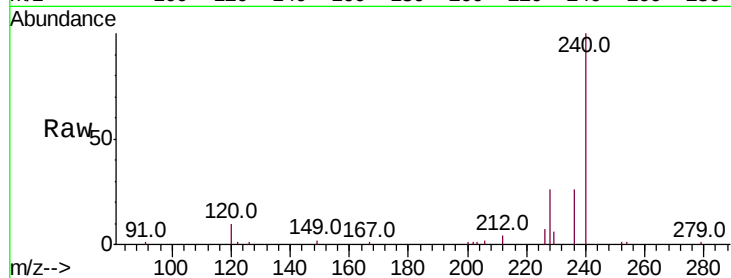
ClientSampleId :

PB117788BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.2	10.8
236	26.4	20.9	31.3

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:22 PM

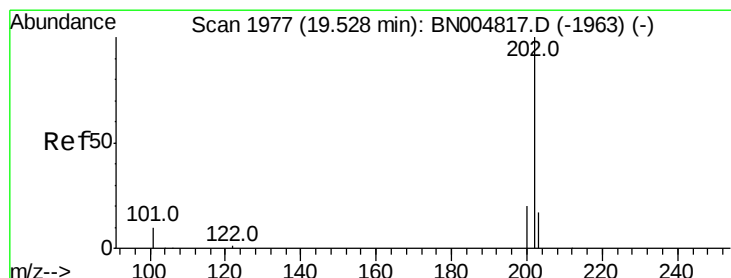
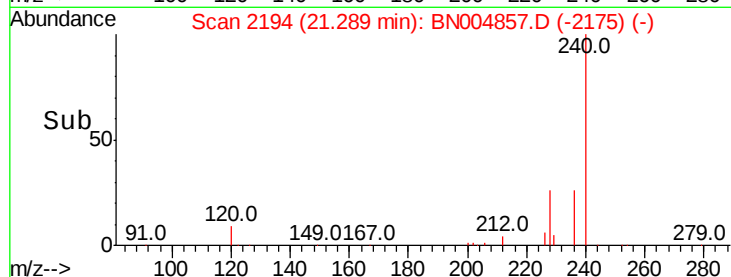
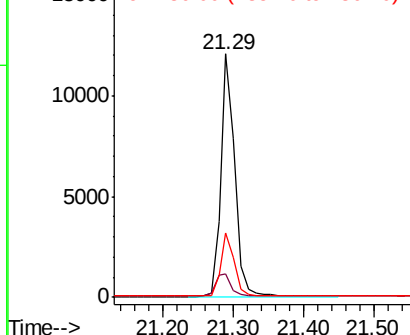


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.202 ng

RT: 19.53 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

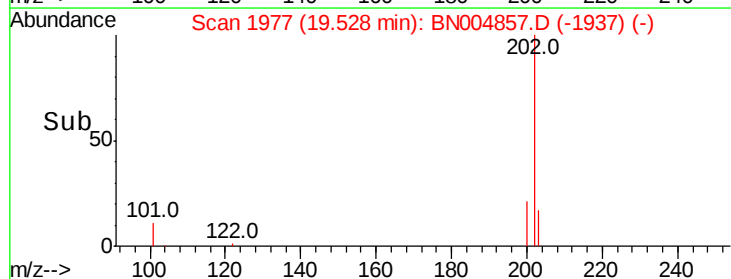
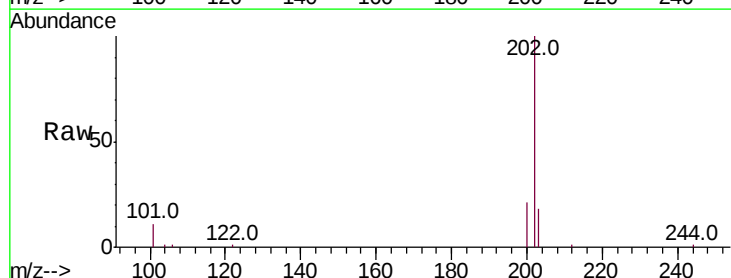
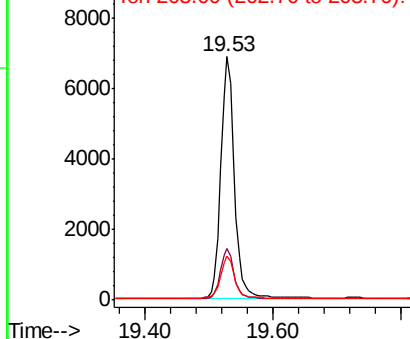
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	17.9	14.0	21.0

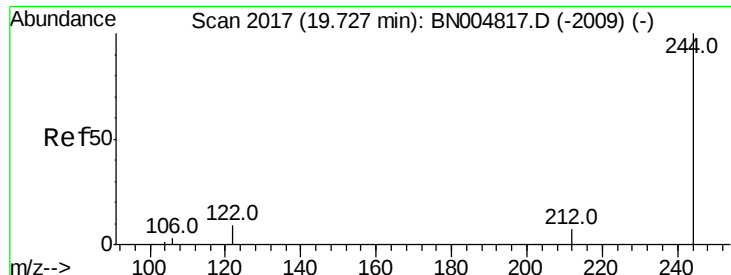
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.217 ng

RT: 19.73 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

Tot Ion:244 Resp: 7420

Ion Ratio Lower Upper

244 100

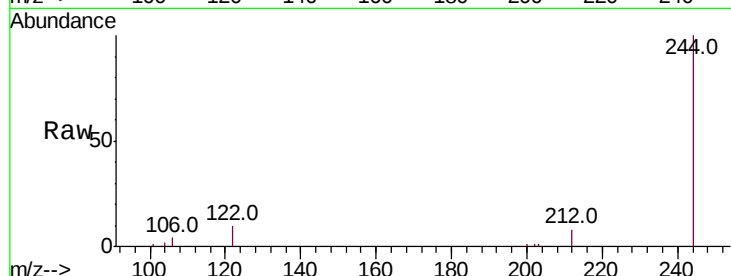
212 7.6 5.8 8.6

122 10.5 7.9 11.9

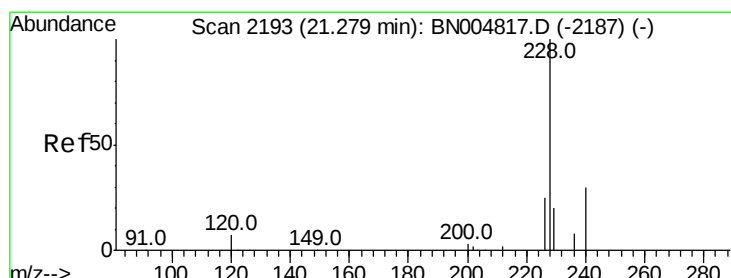
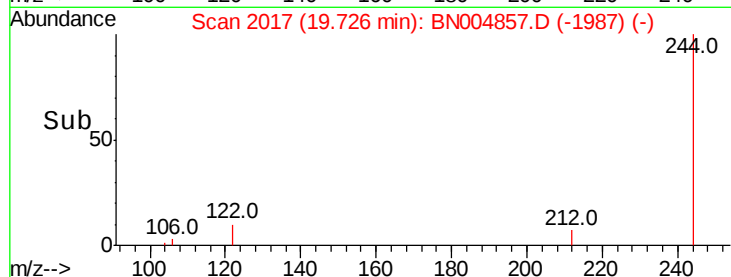
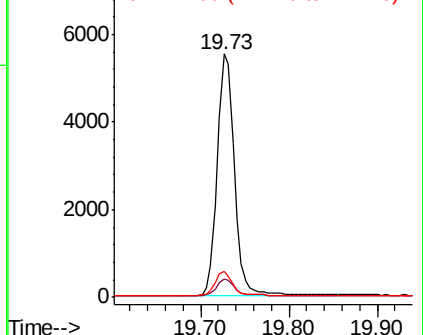
Manual Integrations
APPROVED

Sohil

3/22/2019 7:16:22 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.190 ng

RT: 21.28 min Scan# 2193

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

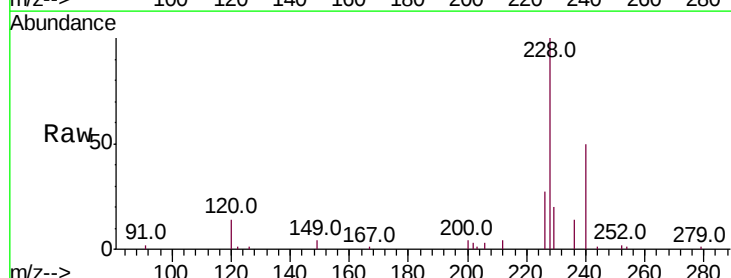
Tgt Ion:228 Resp: 10431

Ion Ratio Lower Upper

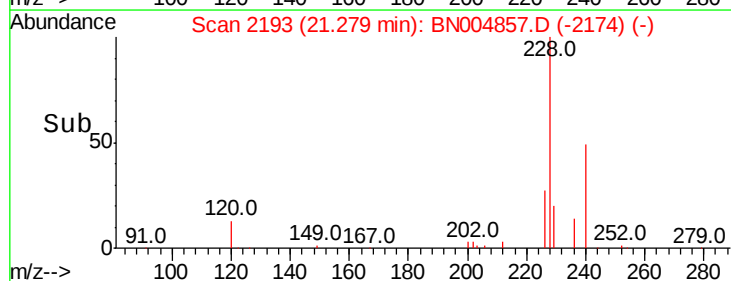
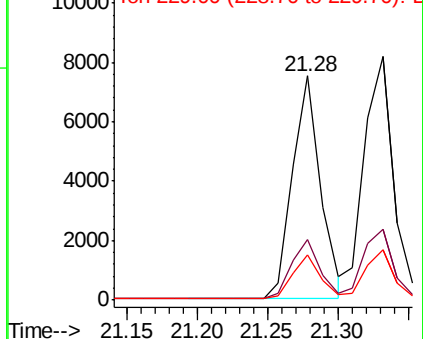
228 100

226 27.2 20.6 31.0

229 20.1 16.2 24.4



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: 0.205 ng

RT: 21.33 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

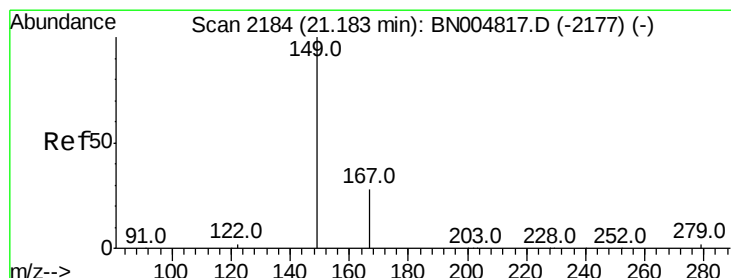
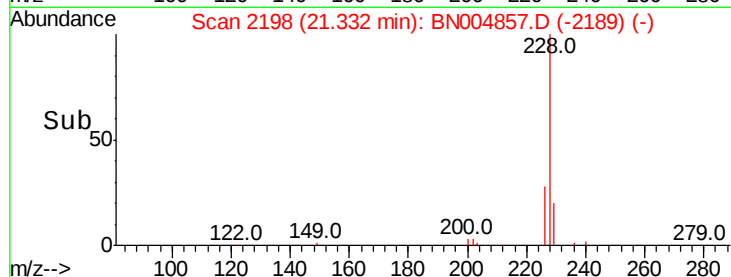
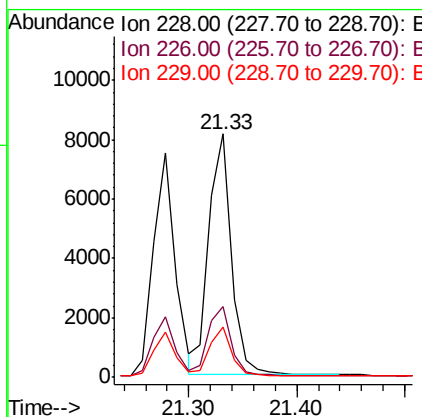
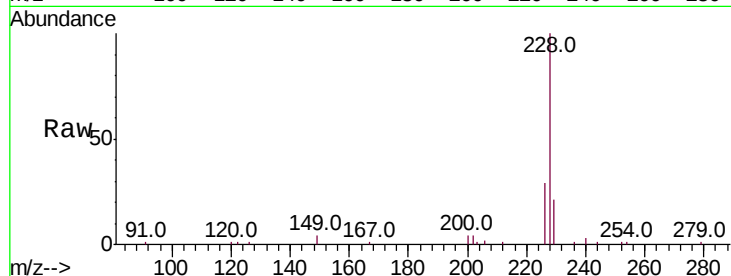
ClientSampled :

PB117788BS

Tot Ion:	228	Resp:	11822
Ion Ratio	Lower	Upper	
228	100		
226	28.9	23.0	34.6
229	20.6	16.2	24.2

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:22 PM



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.147 ng

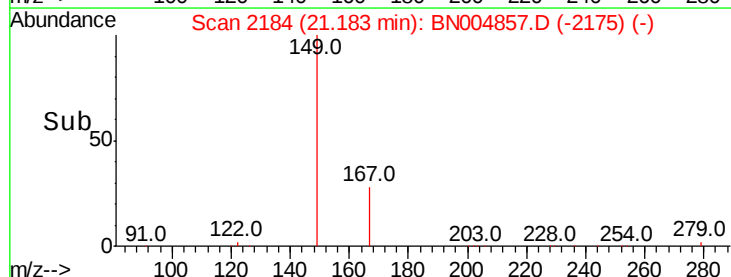
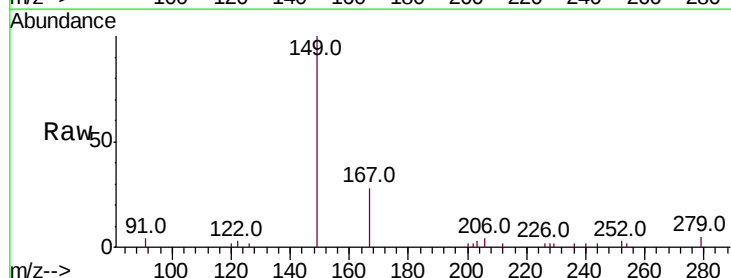
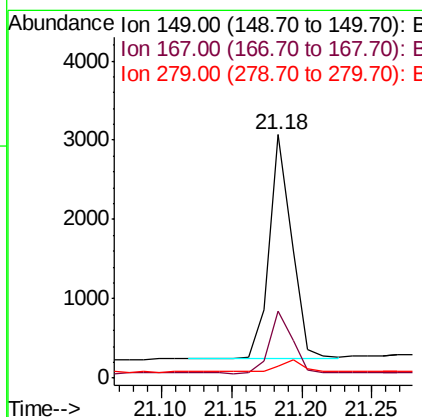
RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Tgt Ion:	149	Resp:	3224
Ion Ratio	Lower	Upper	
149	100		
167	28.1	23.0	34.4
279	5.1	4.6	6.8





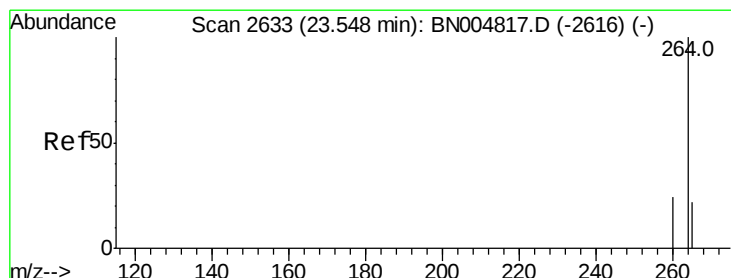
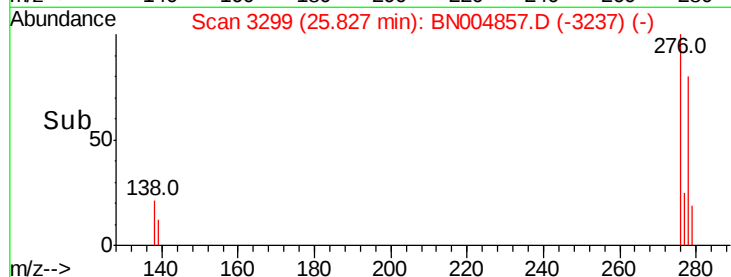
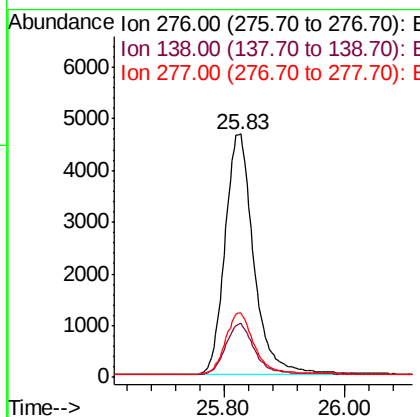
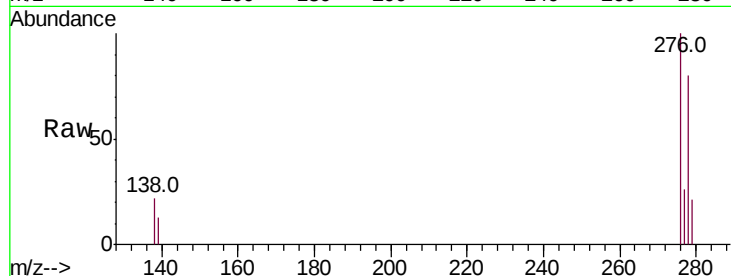
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.184 ng
 RT: 25.83 min Scan# 3299
 Delta R.T. 0.01 min
 Lab File: BN004857.D
 Acq: 21 Mar 2019 19:24

Instrument :
 BNA_N
 ClientSampleId :
 PB117788BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	16.6	24.8
277	25.4	20.3	30.5

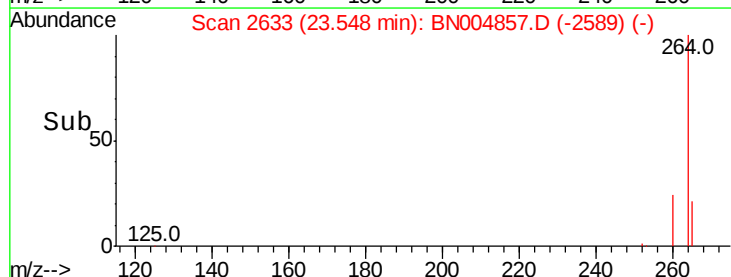
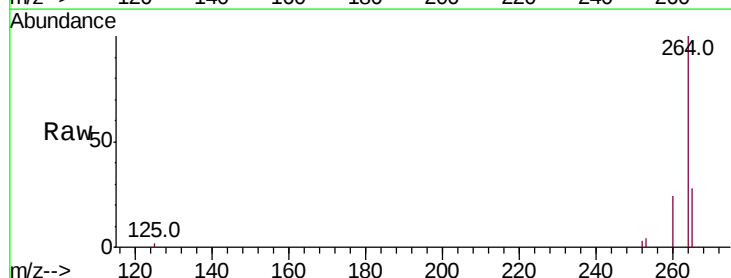
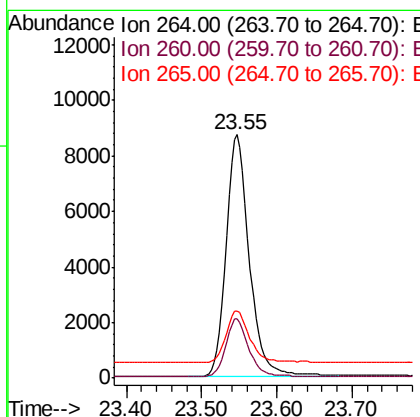
Manual Integrations
 APPROVED

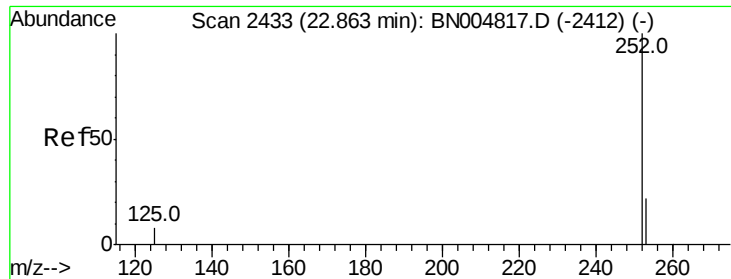
Sohil
 3/22/2019 7:16:22 PM



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.55 min Scan# 2633
 Delta R.T. -0.00 min
 Lab File: BN004857.D
 Acq: 21 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	27.7	23.1	34.7





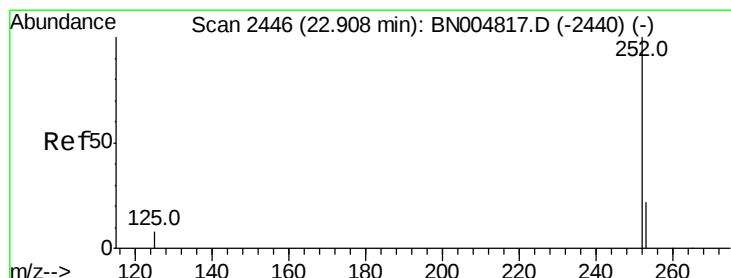
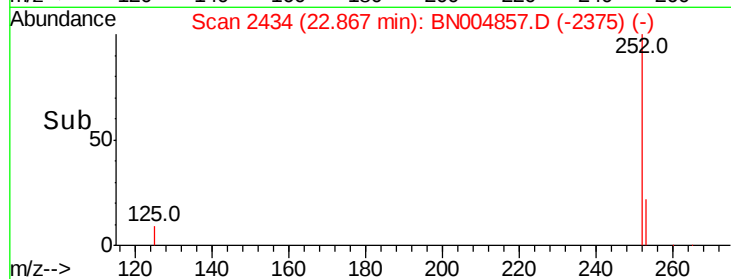
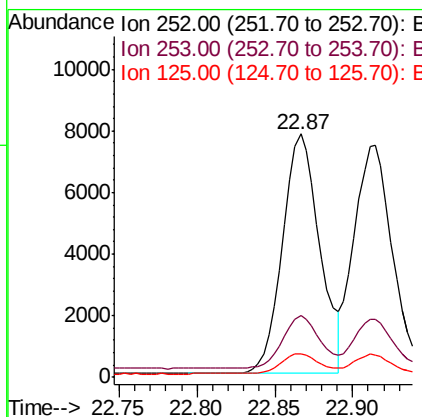
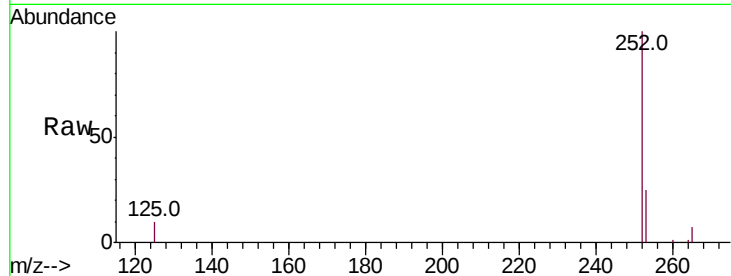
#35
Benzo(b)fluoranthene
Concen: 0.195 ng
RT: 22.87 min Scan# 2434
Delta R.T. 0.00 min
Lab File: BN004857.D
Acq: 21 Mar 2019 19:24

Instrument :
BNA_N
ClientSampled :
PB117788BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.0	28.4
125	9.8	7.4	11.2

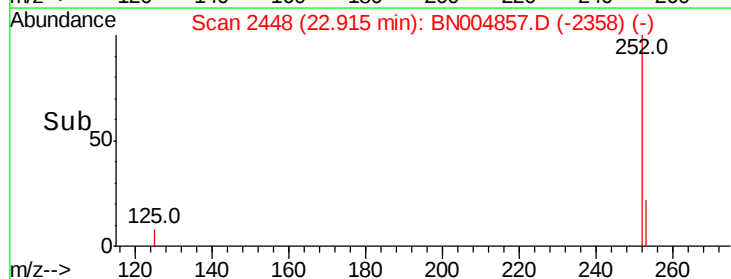
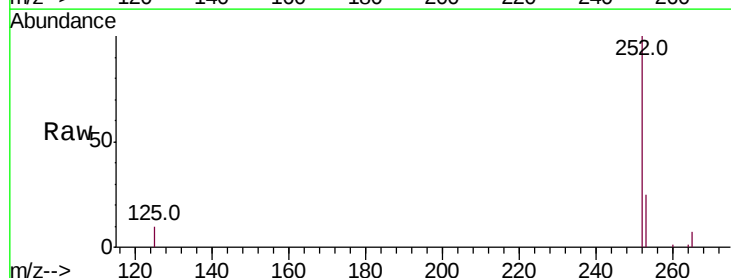
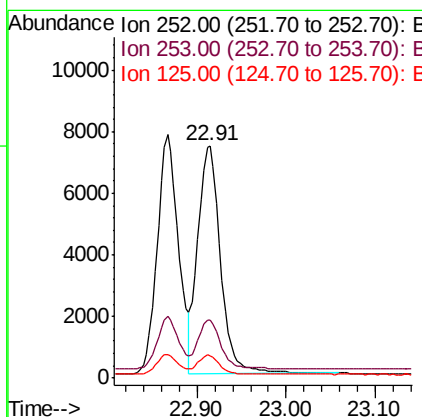
Manual Integrations
APPROVED

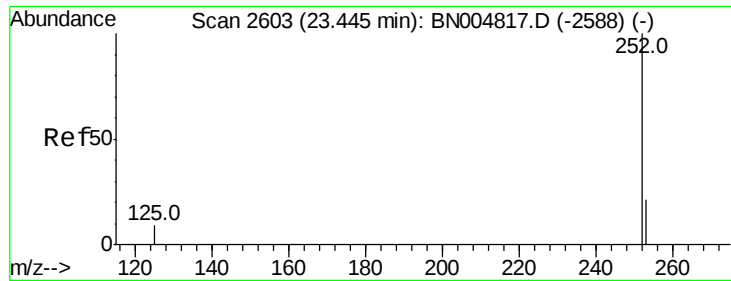
Sohil
3/22/2019 7:16:22 PM



#36
Benzo(k)fluoranthene
Concen: 0.201 ng
RT: 22.91 min Scan# 2448
Delta R.T. 0.01 min
Lab File: BN004857.D
Acq: 21 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.3	28.9
125	9.7	7.4	11.0





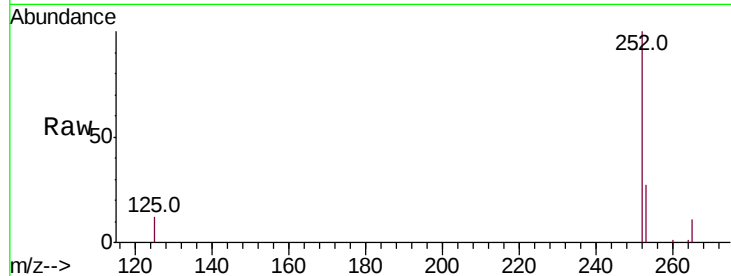
#37
Benzo(a)pyrene
Concen: 0.199 ng
RT: 23.45 min Scan# 2605
Delta R.T. 0.01 min
Lab File: BN004857.D
Acq: 21 Mar 2019 19:24

Instrument :
BNA_N
ClientSampleId :
PB117788BS

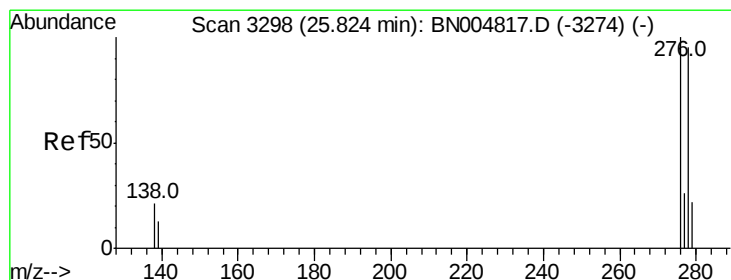
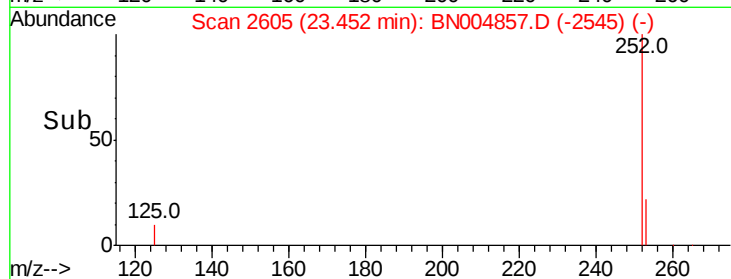
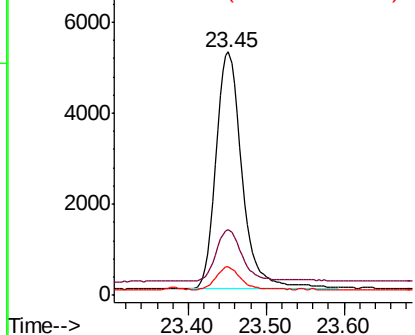
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	19.7	29.5
125	11.5	8.3	12.5

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:22 PM



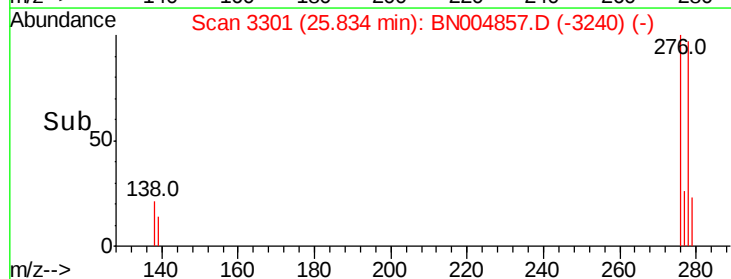
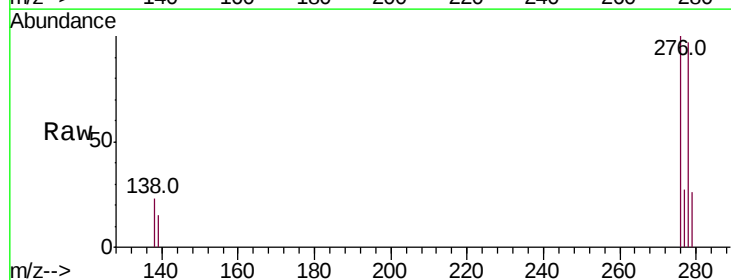
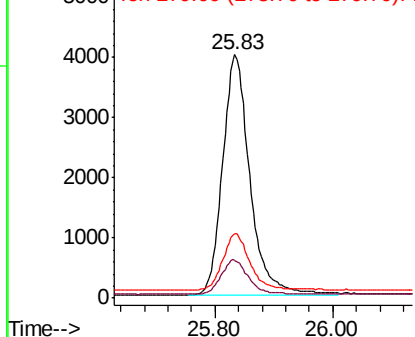
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

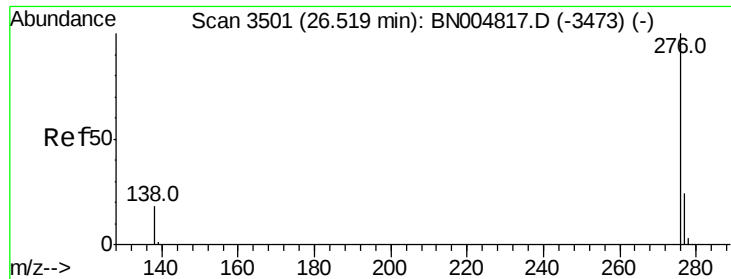


#38
Dibenzo(a,h)anthracene
Concen: 0.181 ng
RT: 25.83 min Scan# 3301
Delta R.T. 0.01 min
Lab File: BN004857.D
Acq: 21 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.6	11.7	17.5
279	26.3	19.9	29.9

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.184 ng

RT: 26.52 min Scan# 3502

Delta R.T. 0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

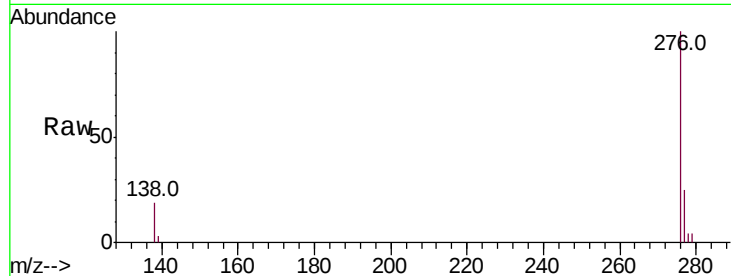
ClientSampleId :

PB117788BS

Tot Ion:	276	Resp:	13274
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.7	29.5
138	19.5	14.6	22.0

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:22 PM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

