

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121918\
 Data File : BE098527.D
 Acq On : 19 Dec 2018 13:25
 Operator : SJ/JU
 Sample : J6405-07MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE105D1-20181210MSD

Manual Integrations
 APPROVED

Sohil
 12/20/2018 1:55:13 PM

Quant Time: Dec 19 16:28:41 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Dec 10 14:59:55 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	856	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	3965	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	2814	0.40	ng	-0.02
19) Phenanthrene-d10	17.26	188	7013	0.40	ng	-0.02
27) Chrysene-d12	21.45	240	8278	0.40	ng	-0.01
34) Perylene-d12	23.98	264	7564	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.45	112	395	0.20	ng	0.00
5) Phenol-d6	7.05	99	350	0.12	ng	0.00
8) Nitrobenzene-d5	9.02	82	1232	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	3044m	0.47	ng	-0.02
14) 2,4,6-Tribromophenol	16.01	330	458	0.44	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	4911	0.41	ng	-0.02
25) Fluoranthene-d10	19.29	212	39720	0.44	ng	-0.02
29) Terphenyl-d14	19.89	244	8551	0.43	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.36	88	6513	4.400	ng	98
3) n-Nitrosodimethylamine	3.70	42	237	0.178	ng	# 100
6) bis(2-Chloroethyl)ether	7.28	93	886	0.329	ng	89
9) Naphthalene	10.69	128	17772	0.445	ng	99
10) Hexachlorobutadiene	10.98	225	975	0.384	ng	98
12) 2-Methylnaphthalene	12.32	142	3278	0.506	ng	98
16) Acenaphthylene	14.23	152	5213	0.395	ng	98
17) Acenaphthene	14.57	154	3316	0.419	ng	99
18) Fluorene	15.56	166	4655	0.439	ng	98
20) 4-Bromophenyl-phenylether	16.45	248	1509	0.400	ng	# 85
21) Hexachlorobenzene	16.57	284	1734	0.427	ng	96
22) Pentachlorophenol	16.93	266	520	0.717	ng	92
23) Phenanthrene	17.30	178	7758	0.455	ng	99
24) Anthracene	17.40	178	6579	0.433	ng	100
26) Fluoranthene	19.32	202	10181	0.452	ng	98
28) Pyrene	19.68	202	10145	0.391	ng	100
30) Benzo(a)anthracene	21.43	228	10220	0.434	ng	98
31) Chrysene	21.49	228	10456	0.423	ng	99
32) Bis(2-ethylhexyl)phthalate	21.35	149	15975	0.334	ng	99
33) Indeno(1,2,3-cd)pyrene	26.67	276	7938	0.323	ng	# 68
35) Benzo(b)fluoranthene	23.21	252	9398	0.454	ng	98
36) Benzo(k)fluoranthene	23.26	252	11188	0.464	ng	# 97
37) Benzo(a)pyrene	23.87	252	9795	0.459	ng	97
38) Dibenzo(a,h)anthracene	26.70	278	7296m	0.363	ng	
39) Benzo(g,h,i)perylene	27.49	276	6477	0.320	ng	99

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

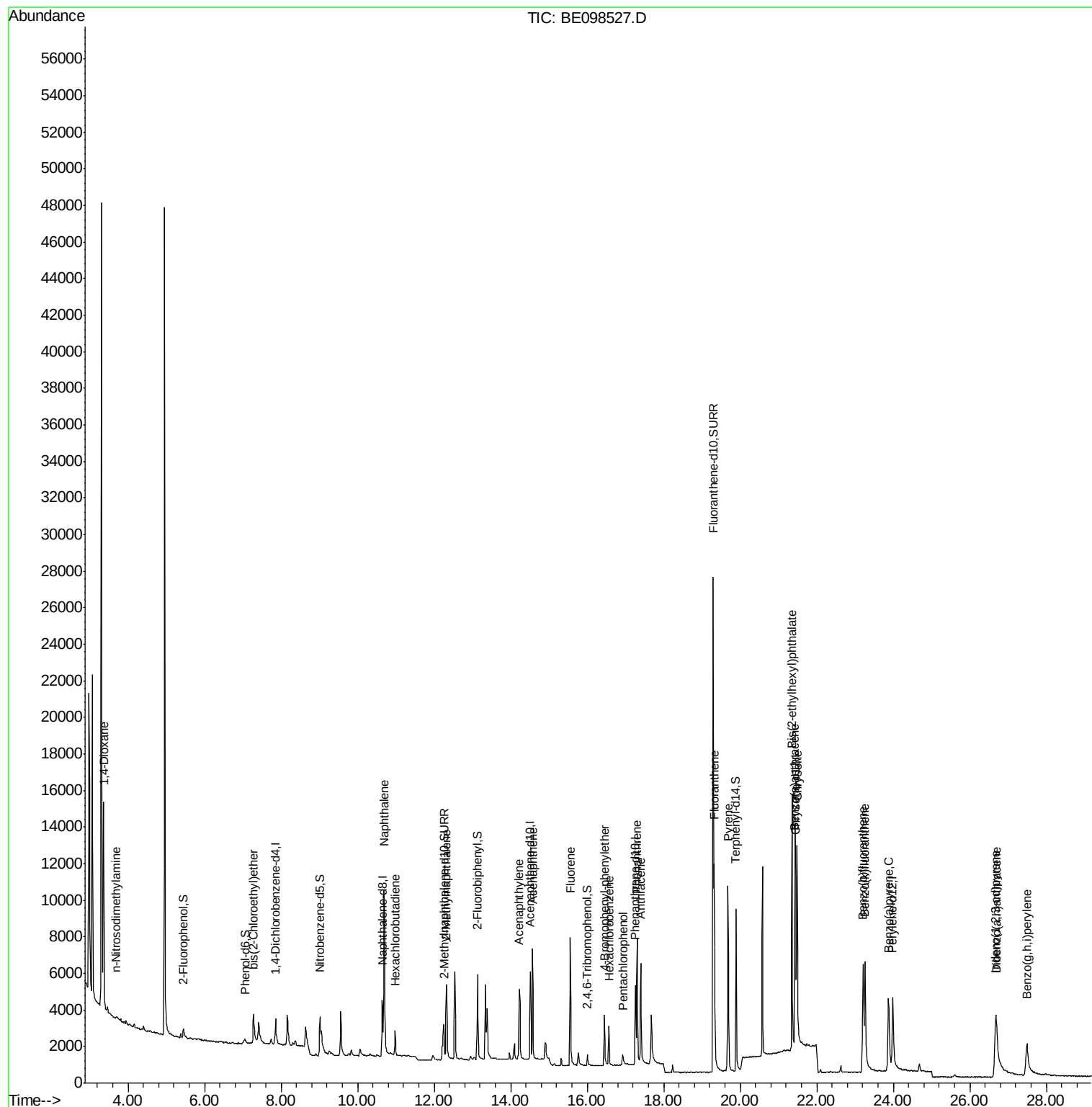
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121918\
Data File : BE098527.D
Acq On : 19 Dec 2018 13:25
Operator : SJ/JU
Sample : J6405-07MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

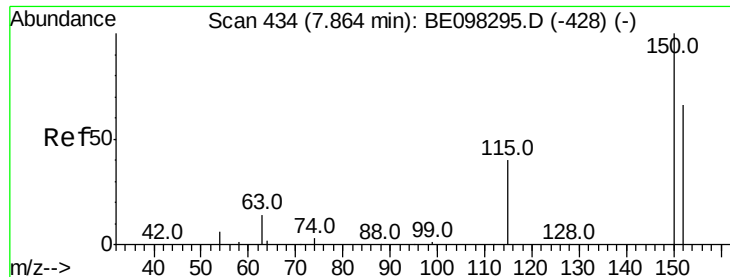
Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Manual Integrations
APPROVED

Sohil
12/20/2018 1:55:13 PM

Quant Time: Dec 19 16:28:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration





#1

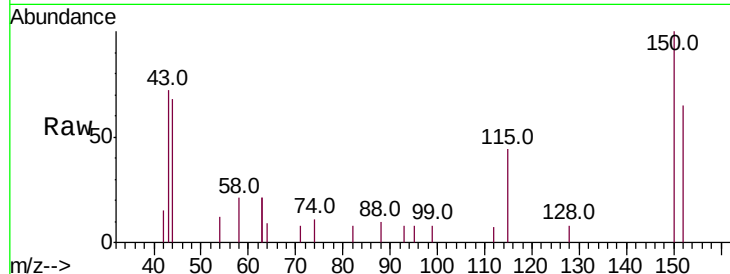
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

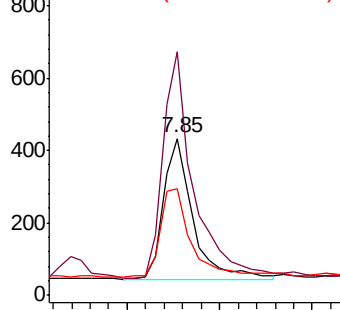
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.2	186.4
115	67.5	53.9	80.9

Manual Integrations
APPROVED

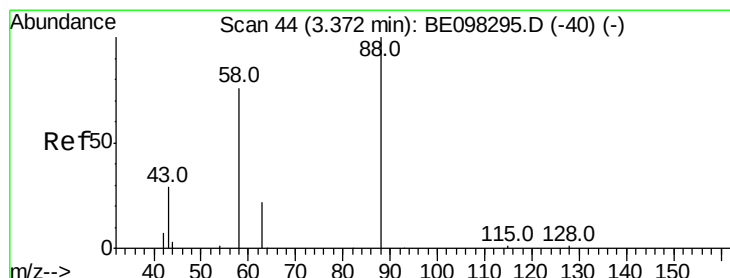
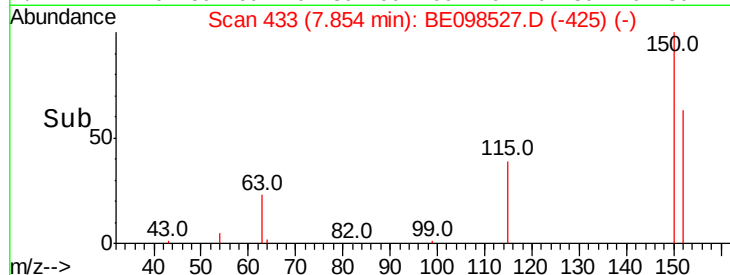
Sohil
12/20/2018 1:55:13 PM



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



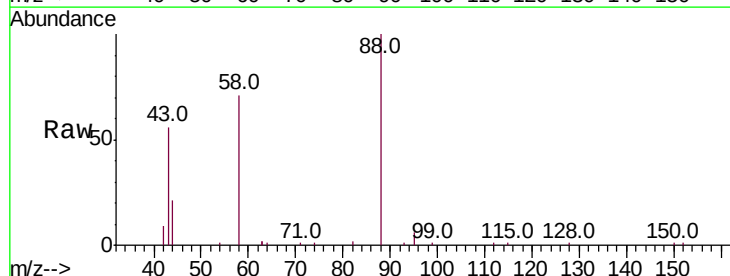
Time-->



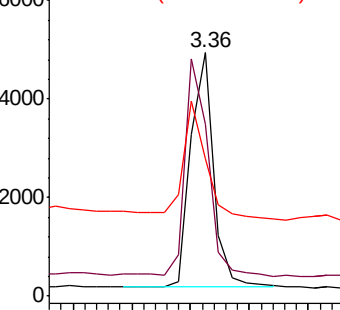
#2

1,4-Dioxane
Concen: 4.400 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

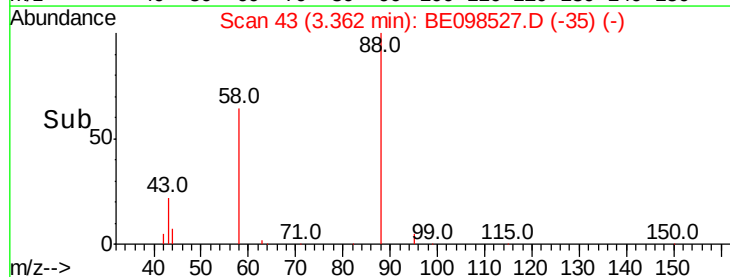
Tgt Ion	Ratio	Lower	Upper
88	100		
58	92.0	75.0	112.6
43	49.6	38.3	57.5

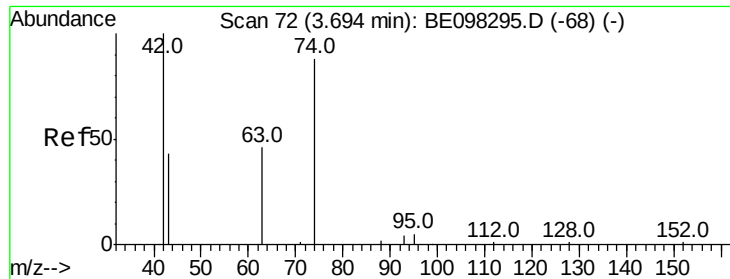


Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



Time-->





#3

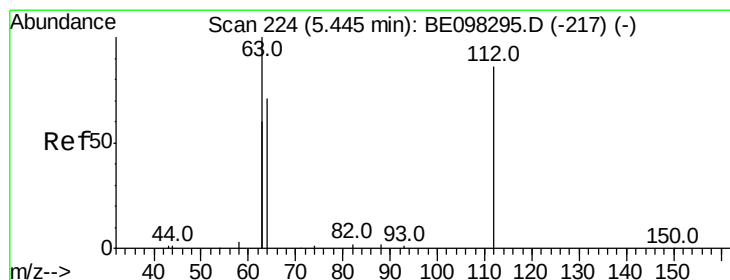
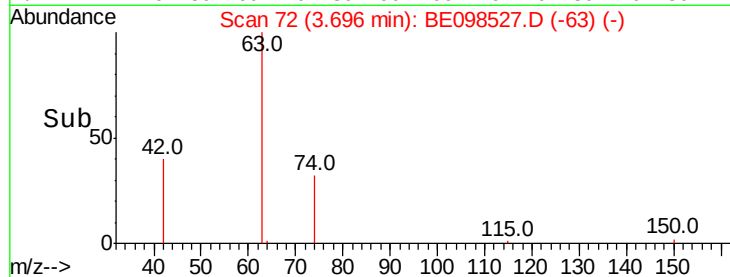
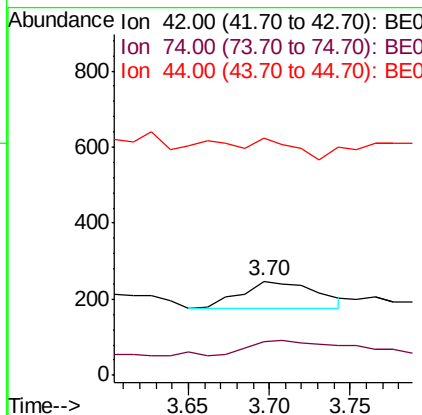
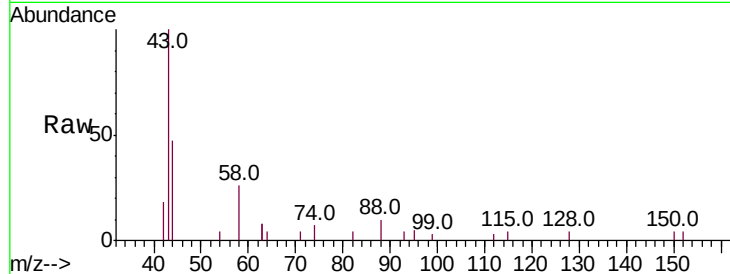
n-Nitrosodimethylamine
 Concen: 0.178 ng
 RT: 3.70 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: BE098527.D
 Acq: 19 Dec 2018 13:25

Instrument :
 BNA_E
 ClientSampleId :
 RE105D1-20181210MSD

Tot Ion	Ratio	Lower	Upper
42	100		
74	59.1	0.0	0.0#
44	0.0	0.0	0.0

Manual Integrations
 APPROVED

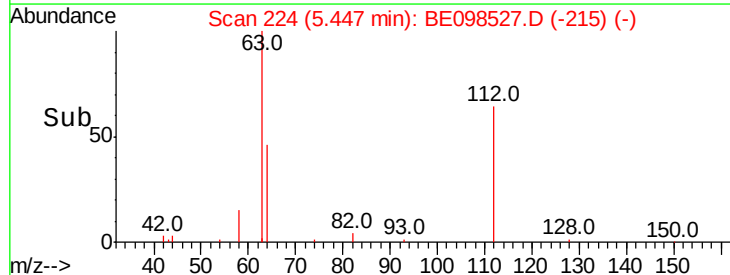
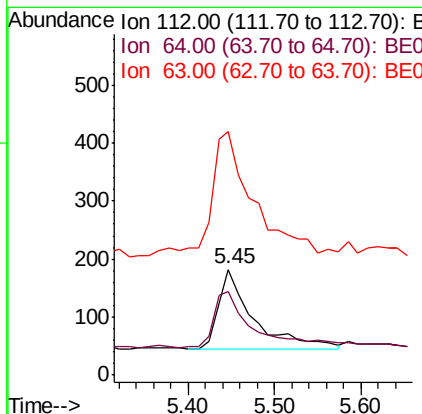
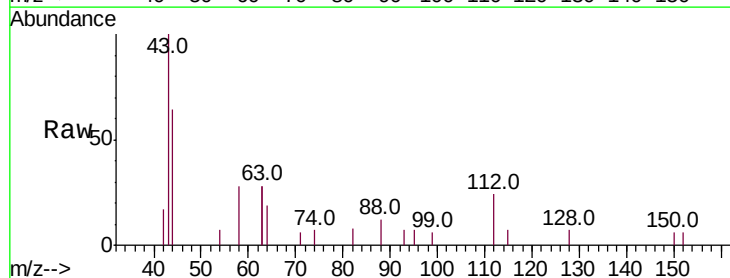
Sohil
 12/20/2018 1:55:13 PM

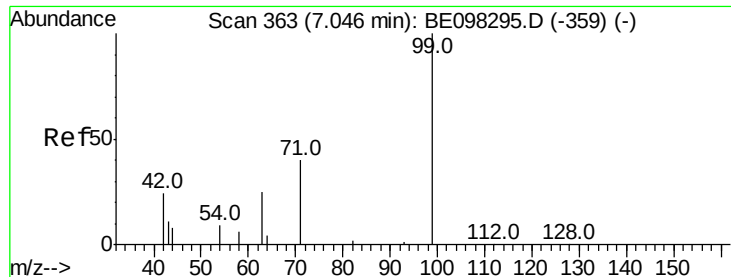


#4

2-Fluorophenol
 Concen: 0.197 ng
 RT: 5.45 min Scan# 224
 Delta R.T. 0.00 min
 Lab File: BE098527.D
 Acq: 19 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	85.1	59.8	89.8
63	164.1	133.7	200.5





#5

Phenol-d6

Concen: 0.123 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Instrument :

BNA_E

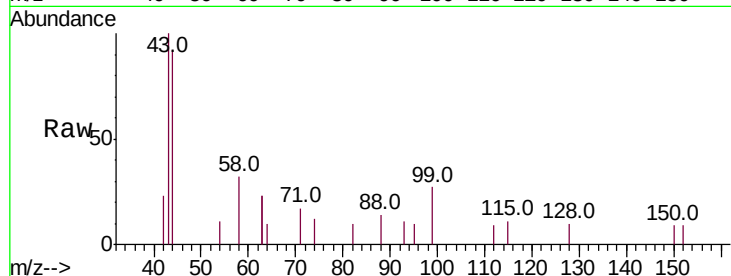
ClientSampleId :

RE105D1-20181210MSD

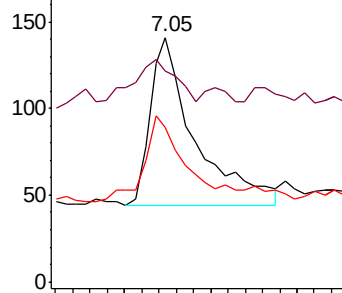
Tot Ion:	99	Resp:	350
Ion	Ratio	Lower	Upper
99	100		
42	22.6	26.3	39.5#
71	49.4	33.6	50.4

Manual Integrations
APPROVED

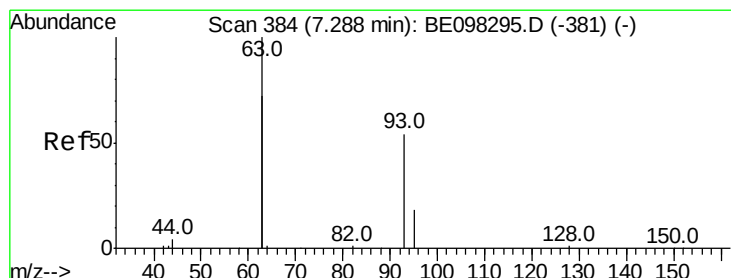
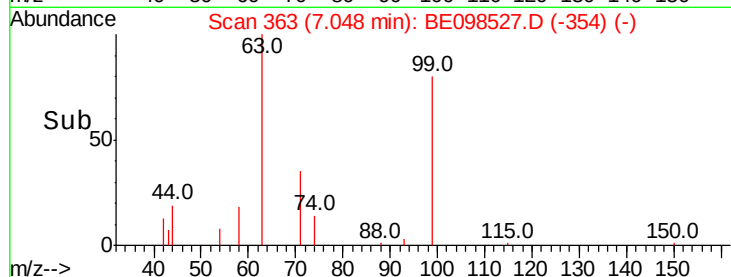
Sohil
12/20/2018 1:55:13 PM



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.329 ng

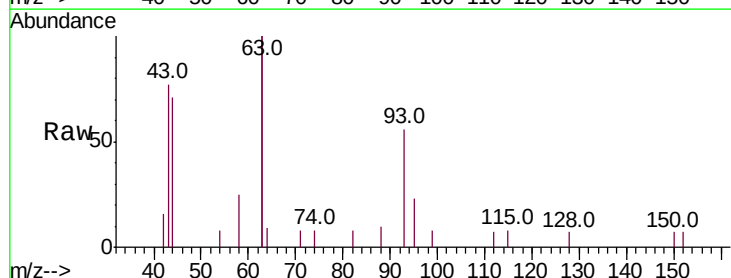
RT: 7.28 min Scan# 383

Delta R.T. -0.01 min

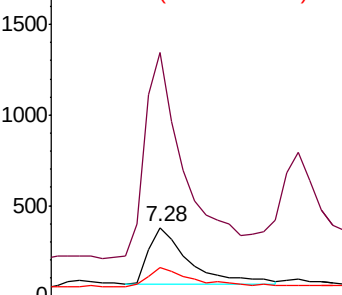
Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

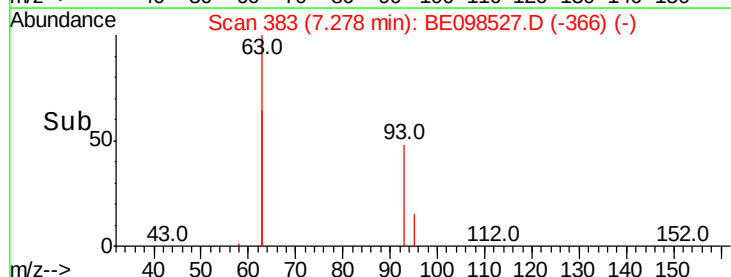
Tgt Ion:	93	Resp:	886
Ion	Ratio	Lower	Upper
93	100		
63	355.8	264.4	396.6
95	36.2	26.6	40.0

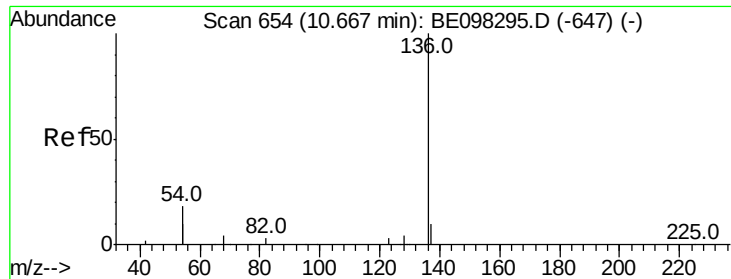


Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Instrument :

BNA_E

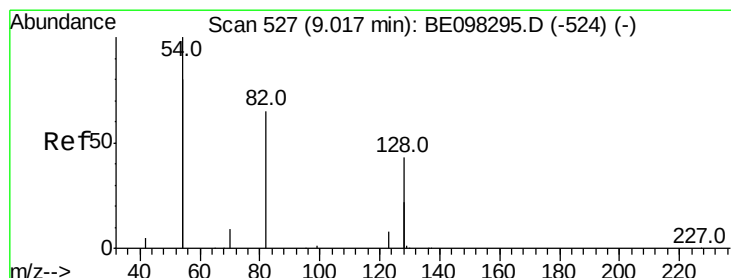
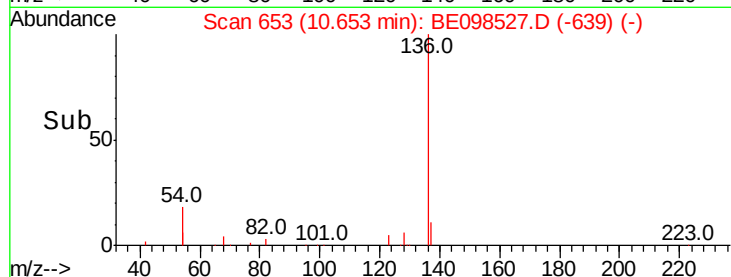
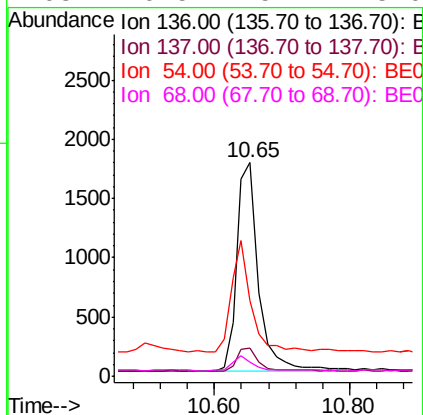
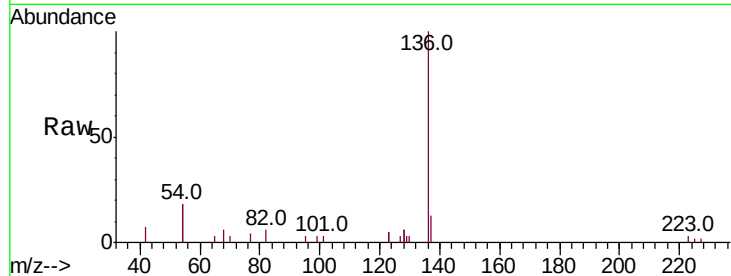
ClientSampleId :

RE105D1-20181210MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.2	13.8
54	35.4	28.4	42.6
68	6.5	5.4	8.0

Manual Integrations
APPROVED

Sohil
12/20/2018 1:55:13 PM



#8

Nitrobenzene-d5

Concen: 0.341 ng

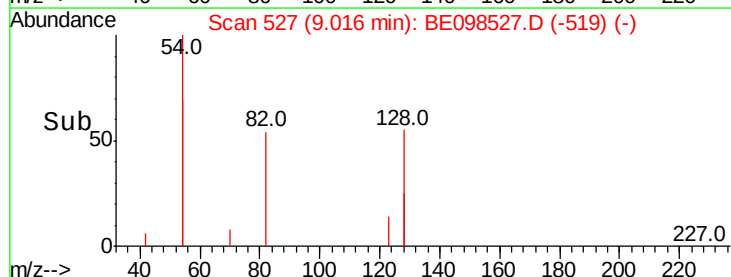
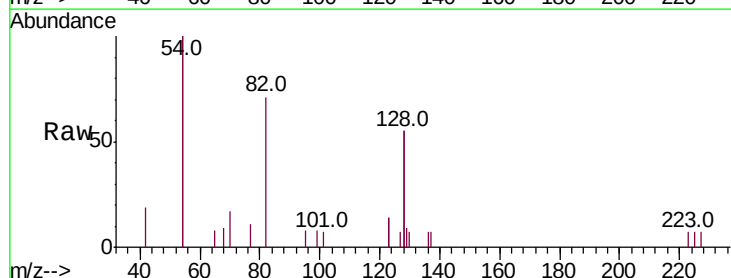
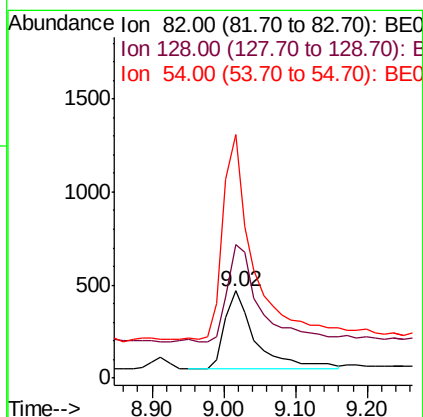
RT: 9.02 min Scan# 527

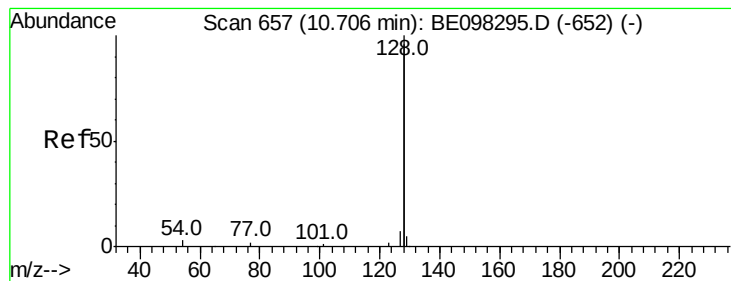
Delta R.T. -0.00 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
82	100		
128	154.2	102.4	153.6#
54	280.1	221.8	332.8





#9

Naphthalene

Concen: 0.445 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Instrument :

BNA_E

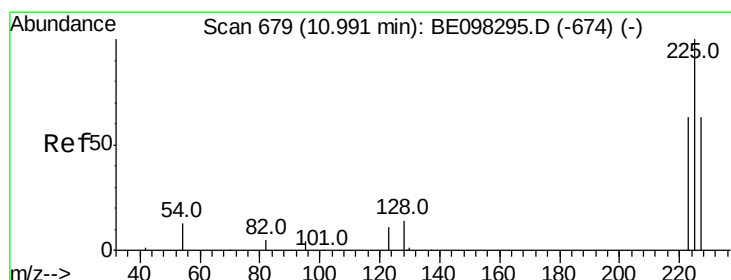
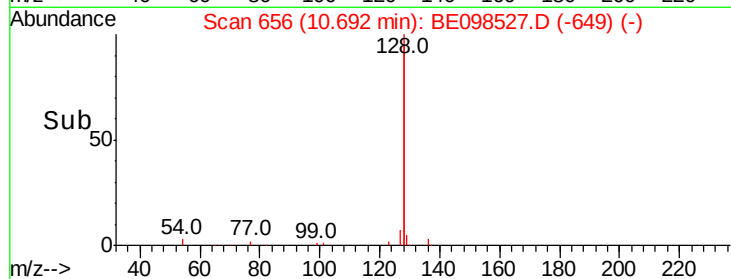
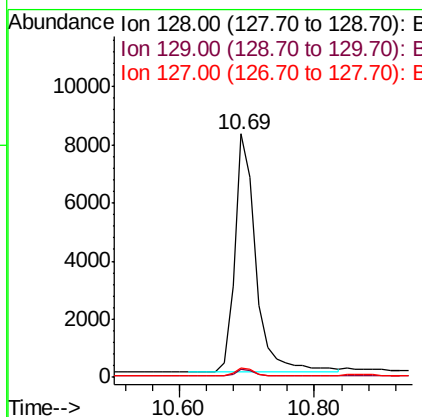
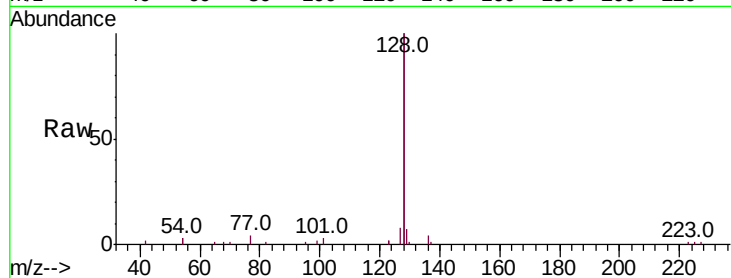
ClientSampleId :

RE105D1-20181210MSD

Tot Ion:	128	Resp:	17772
Ion Ratio	Lower	Upper	
128	100		
129	3.3	2.5	3.7
127	3.9	2.7	4.1

Manual Integrations
APPROVED

Sohil
12/20/2018 1:55:13 PM



#10

Hexachlorobutadiene

Concen: 0.384 ng

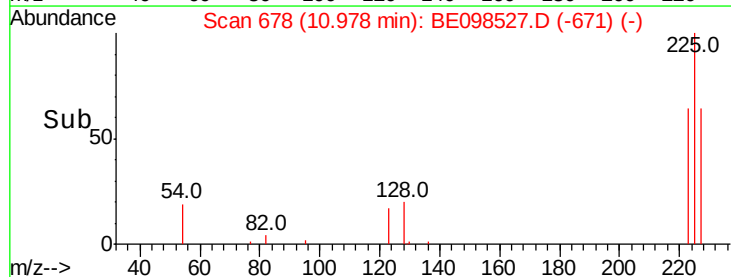
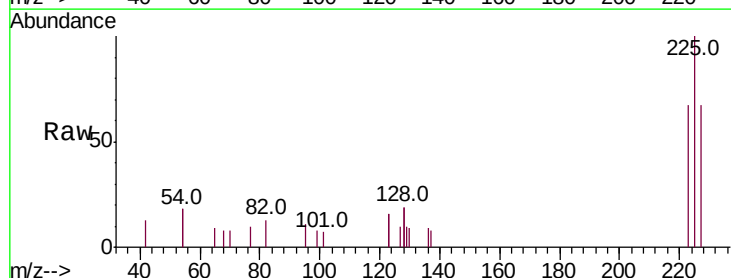
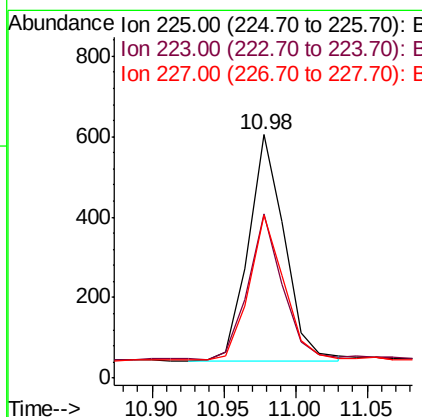
RT: 10.98 min Scan# 678

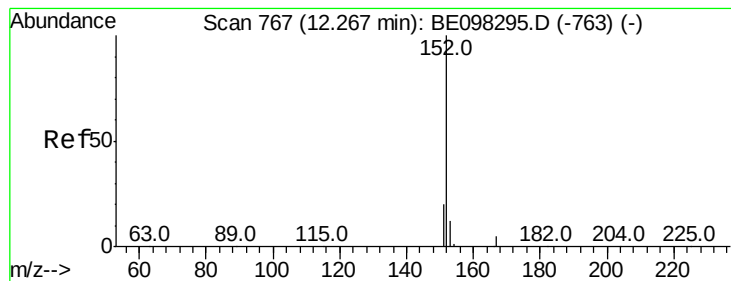
Delta R.T. -0.01 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Tgt Ion:	225	Resp:	975
Ion Ratio	Lower	Upper	
225	100		
223	61.2	49.4	74.0
227	62.6	52.0	78.0





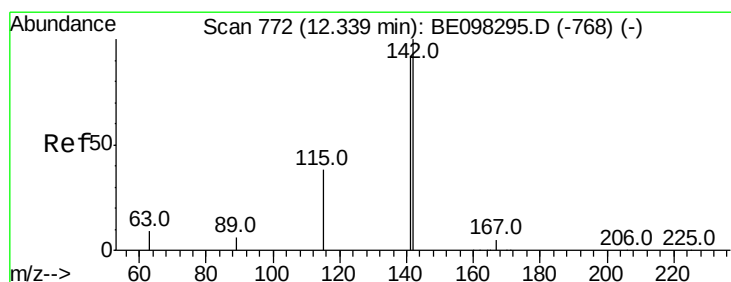
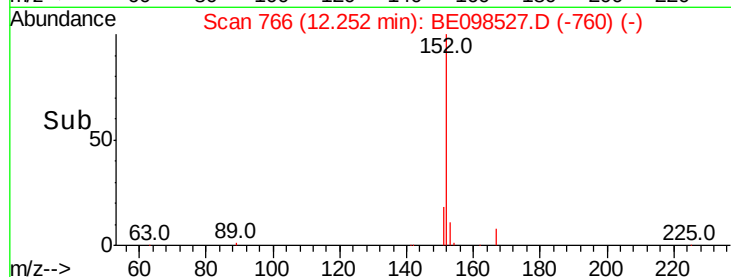
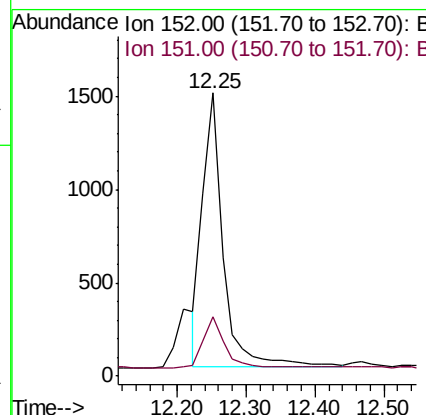
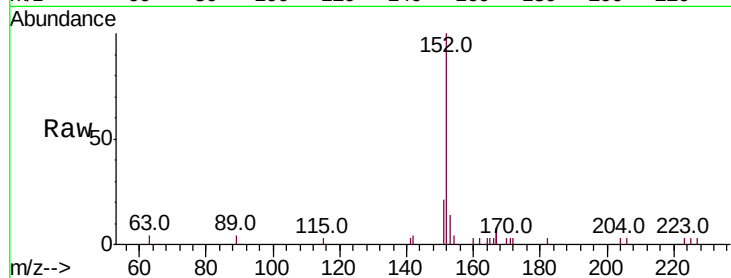
#11
 2-Methylnaphthalene-d10
 Concen: 0.472 ng m
 RT: 12.25 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BE098527.D
 Acq: 19 Dec 2018 13:25

Instrument :
 BNA_E
 ClientSampleId :
 RE105D1-20181210MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.2	24.4

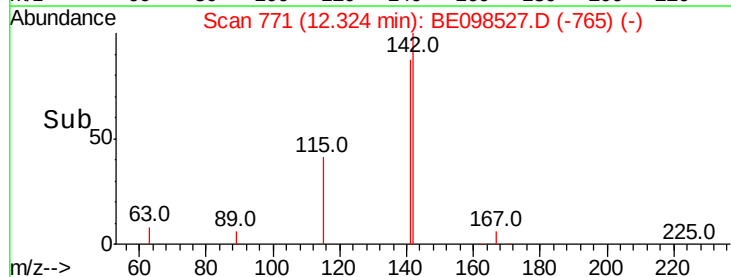
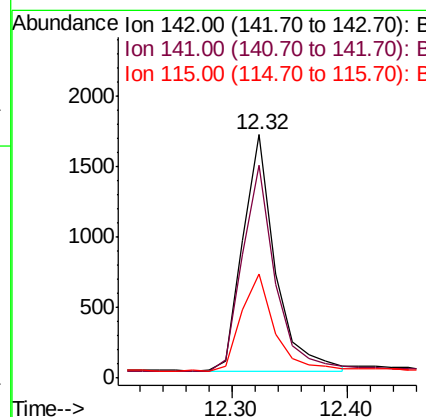
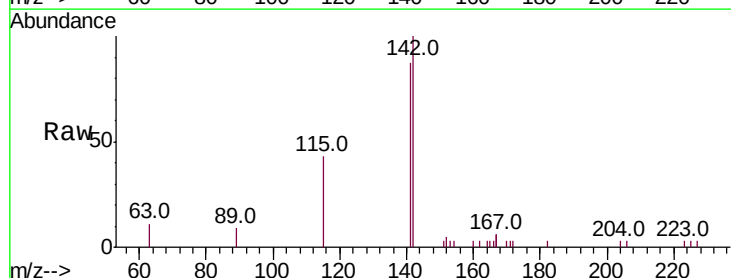
Manual Integrations
 APPROVED

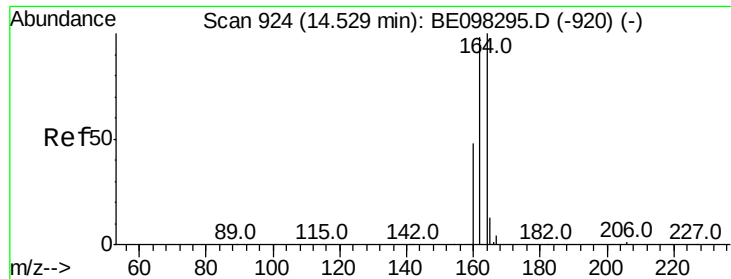
Sohil
 12/20/2018 1:55:13 PM



#12
 2-Methylnaphthalene
 Concen: 0.506 ng
 RT: 12.32 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BE098527.D
 Acq: 19 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.3	71.0	106.6
115	42.8	32.2	48.2





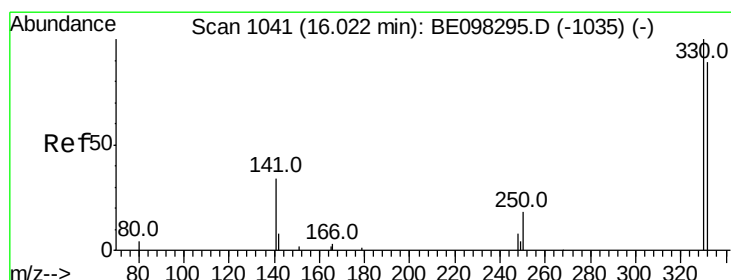
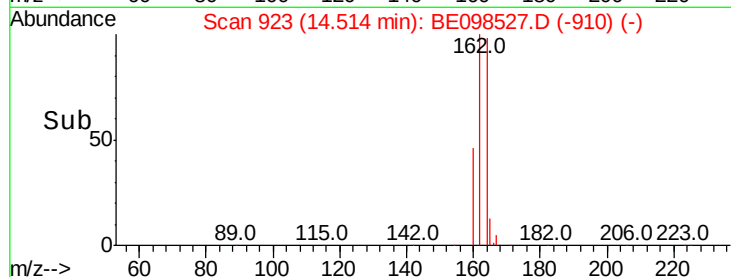
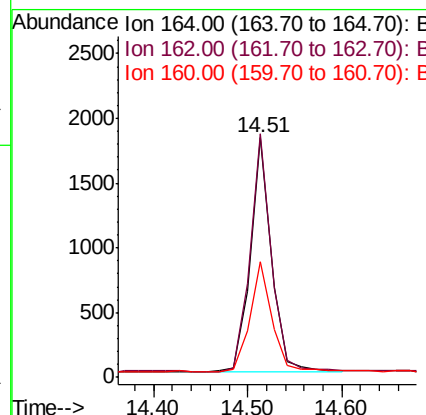
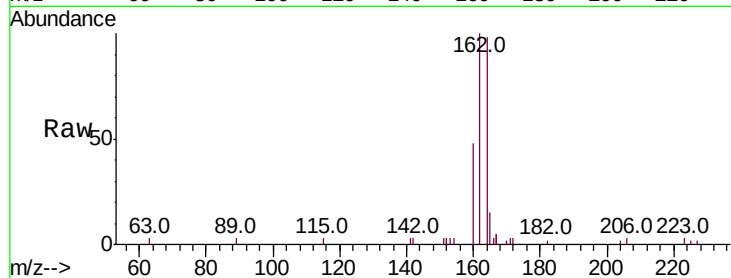
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	77.6	116.4
160	48.5	36.0	54.0

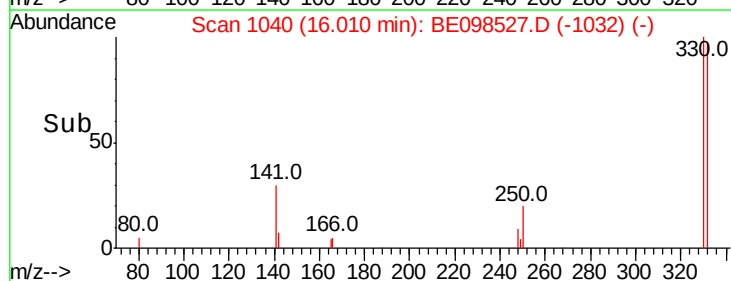
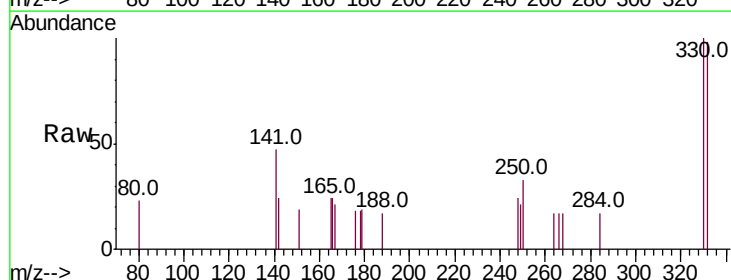
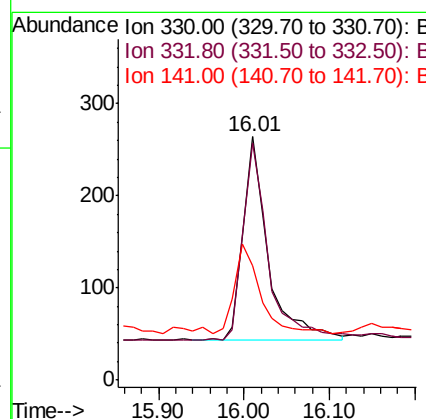
Manual Integrations
APPROVED

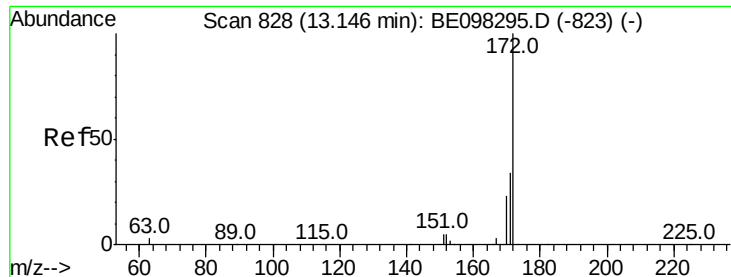
Sohil
12/20/2018 1:55:13 PM



#14
2,4,6-Tribromophenol
Concen: 0.443 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.7	76.2	114.4
141	43.4	39.0	58.4





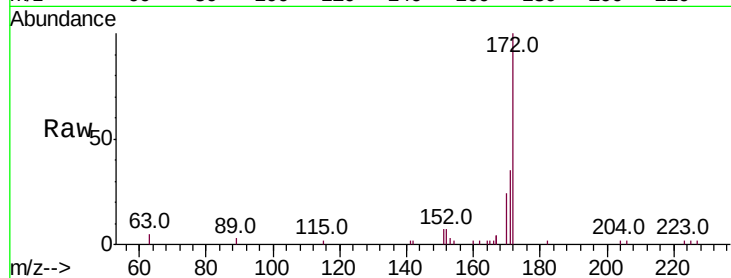
#15
2-Fluorobiphenyl
Concen: 0.414 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.02 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

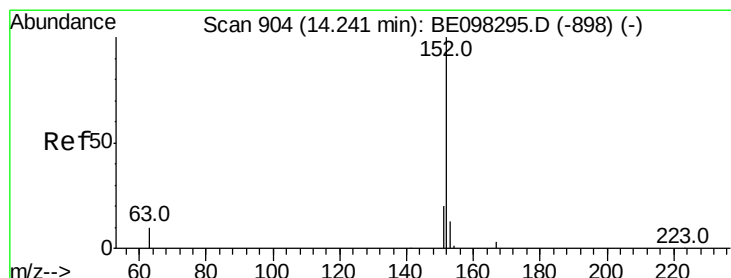
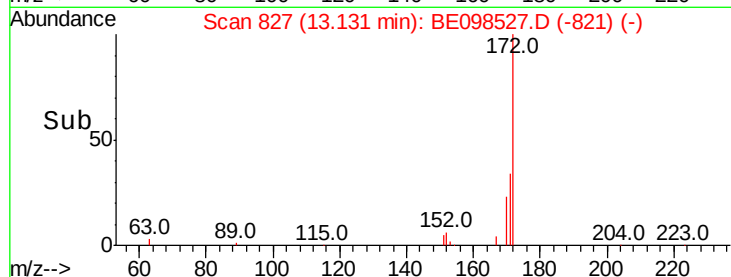
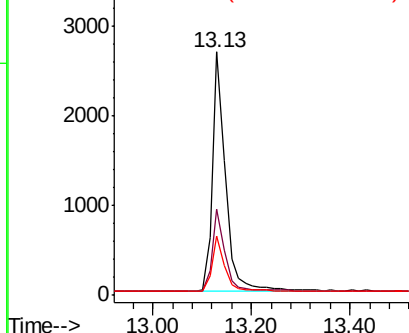
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.5	41.3
170	24.2	19.6	29.4

Manual Integrations
APPROVED

Sohil
12/20/2018 1:55:13 PM

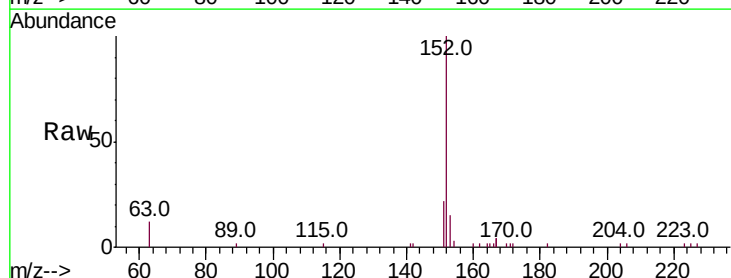


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

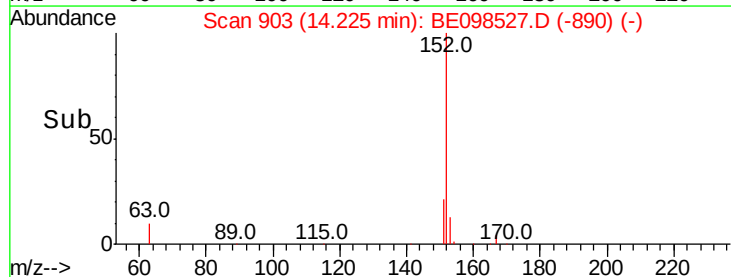
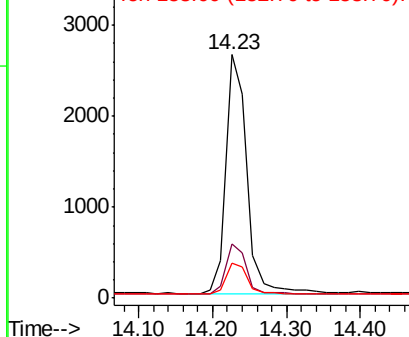


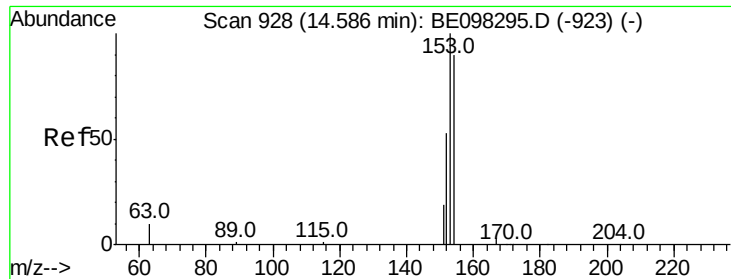
#16
Acenaphthylene
Concen: 0.395 ng
RT: 14.23 min Scan# 903
Delta R.T. -0.02 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.5	23.3
153	13.2	10.6	16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





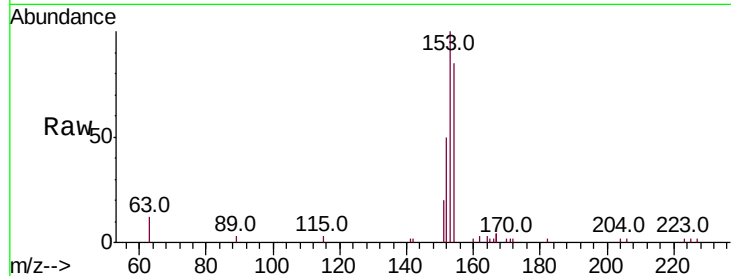
#17
Acenaphthene
Concen: 0.419 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.02 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.6	91.8	137.6
152	55.1	45.5	68.3

Manual Integrations
APPROVED

Sohil
12/20/2018 1:55:13 PM

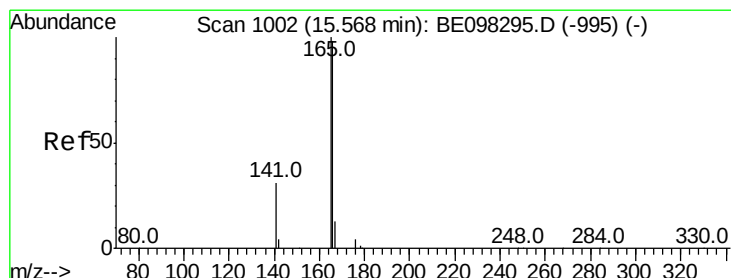
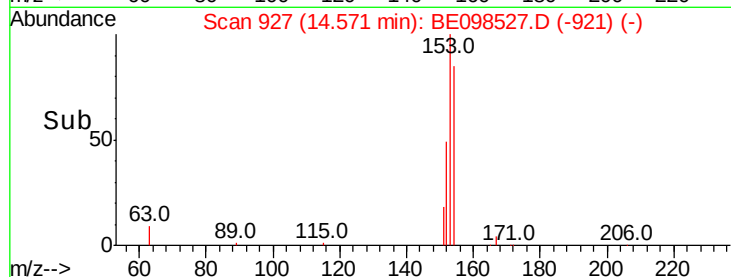
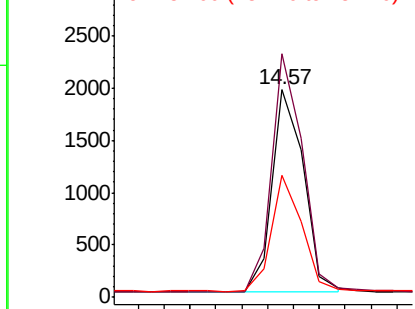


Abundance

Ion 154.00 (153.70 to 154.70): E

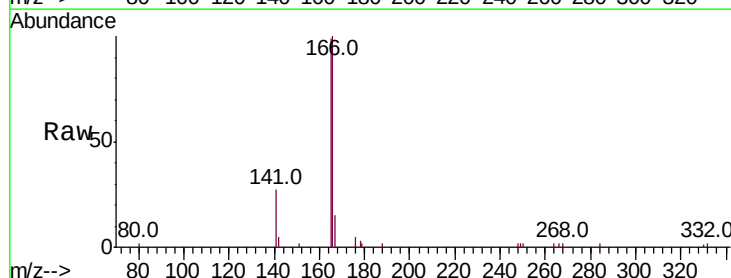
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.439 ng
RT: 15.56 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.0	79.3	118.9
167	14.1	11.3	16.9

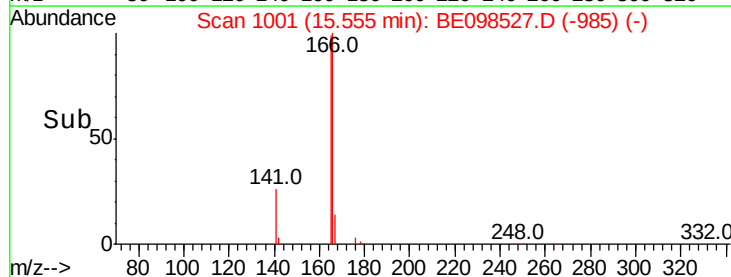
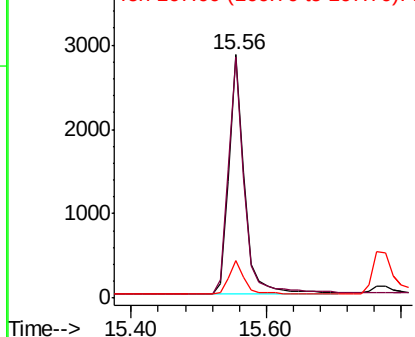


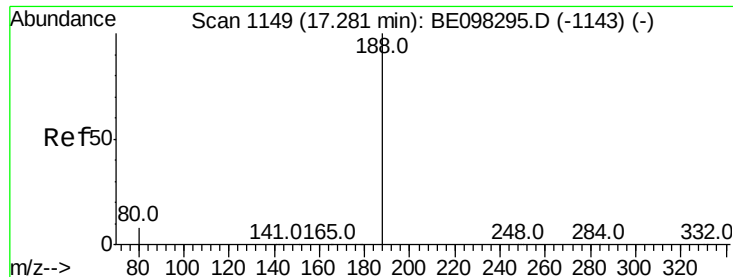
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.26 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

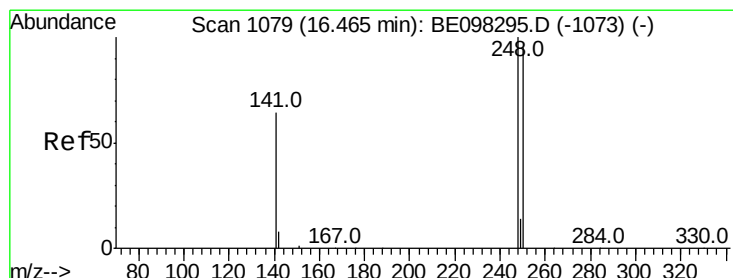
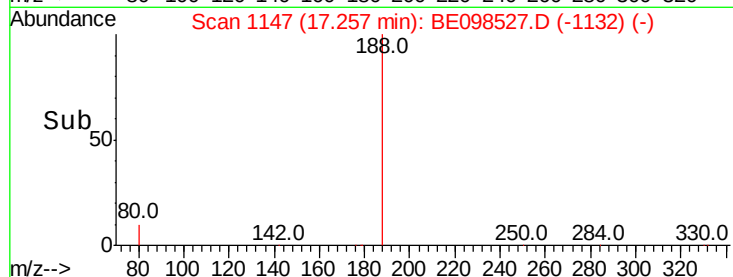
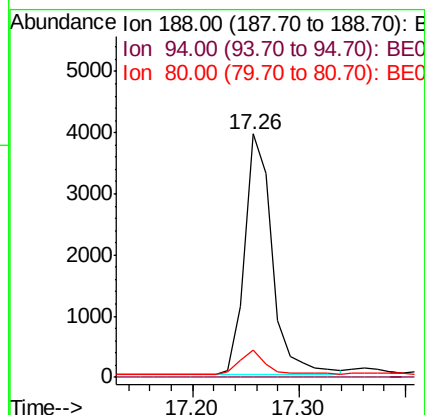
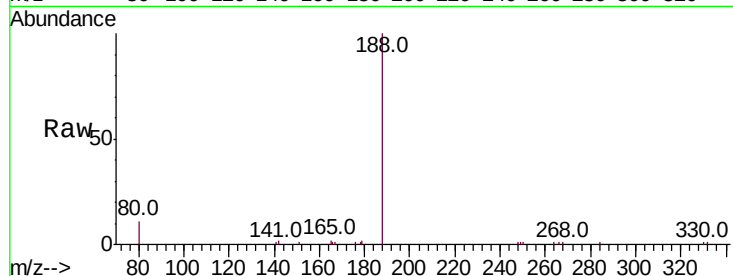
Instrument :
BNA_E

ClientSampleId :
RE105D1-20181210MSD

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.4	7.2	10.8

Manual Integrations
APPROVED

Sohil
12/20/2018 1:55:13 PM



#20

4-Bromophenyl-phenylether

Concen: 0.400 ng

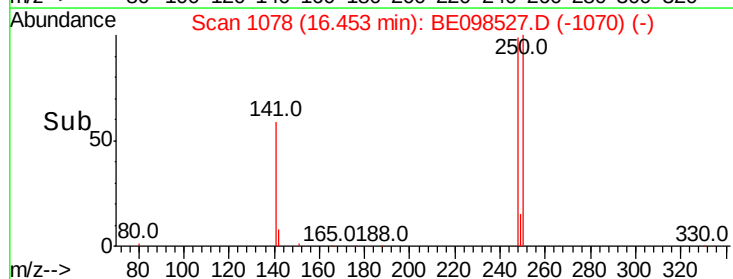
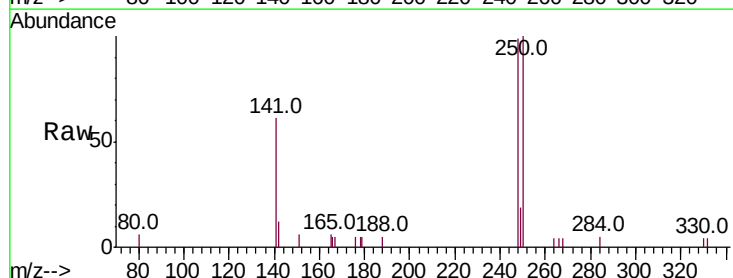
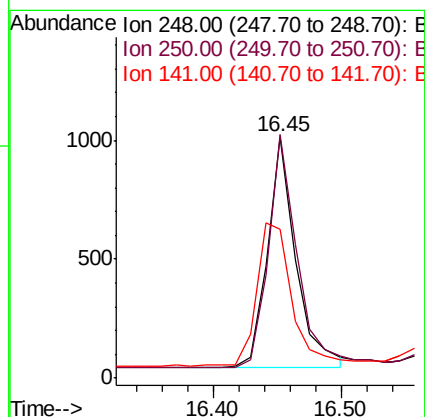
RT: 16.45 min Scan# 1078

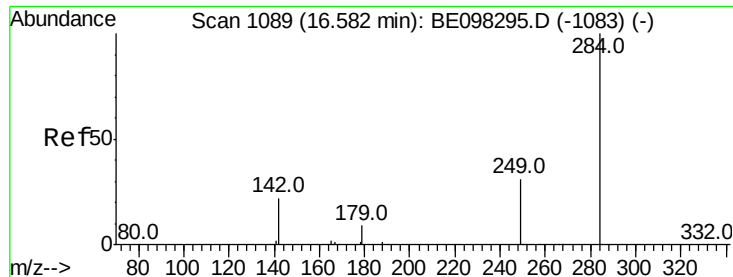
Delta R.T. -0.01 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.8	71.0	106.6
141	61.6	62.1	93.1





#21

Hexachlorobenzene

Concen: 0.427 ng

RT: 16.57 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Instrument :

BNA_E

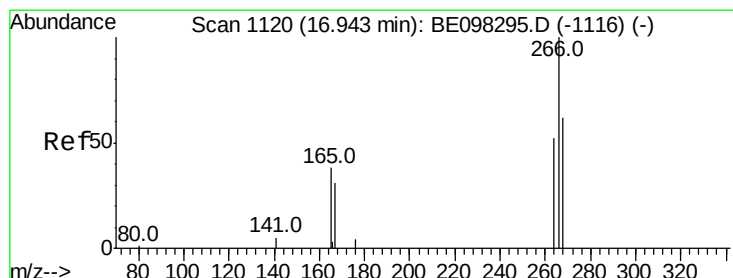
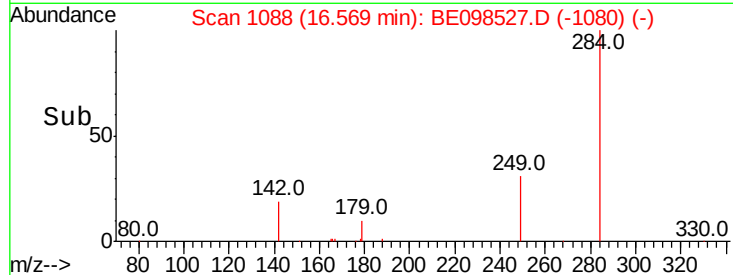
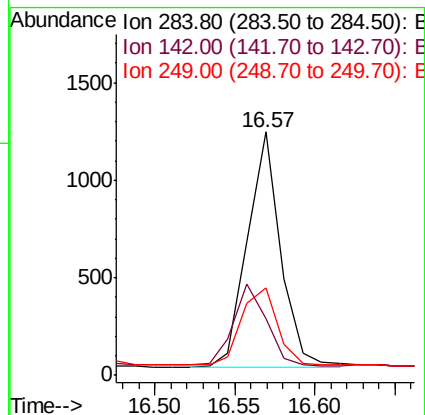
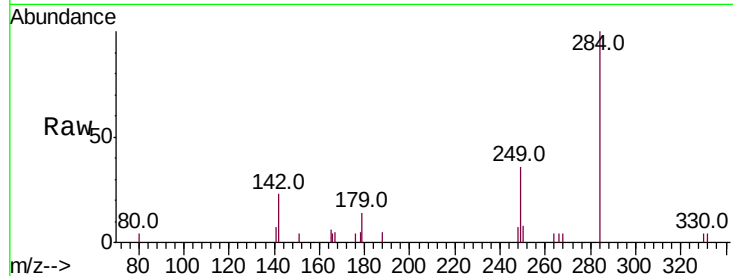
ClientSampleId :

RE105D1-20181210MSD

Tot Ion:	284	Resp:	1734
Ion Ratio	Lower	Upper	
284	100		
142	34.4	26.3	39.5
249	35.1	26.0	39.0

Manual Integrations
APPROVED

Sohil
12/20/2018 1:55:13 PM



#22

Pentachlorophenol

Concen: 0.717 ng

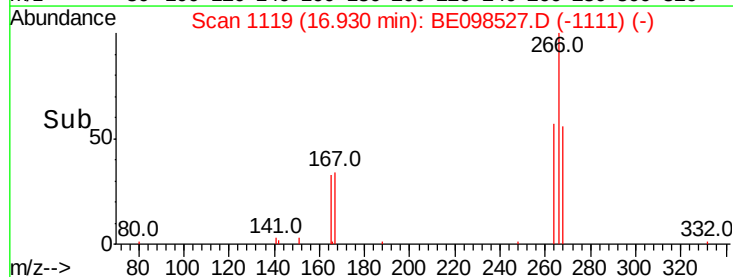
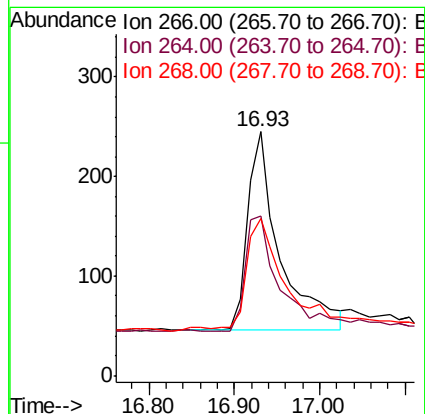
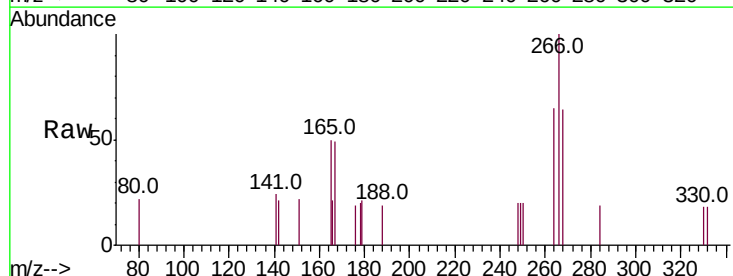
RT: 16.93 min Scan# 1119

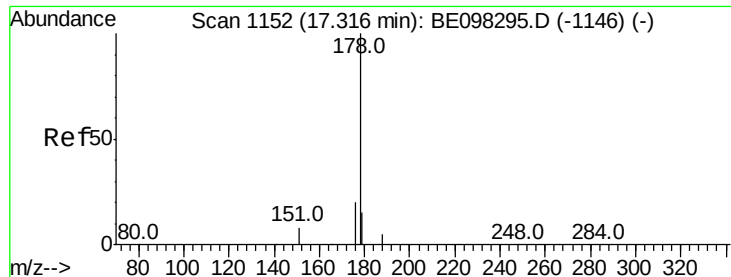
Delta R.T. -0.01 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Tgt Ion:	266	Resp:	520
Ion Ratio	Lower	Upper	
266	100		
264	65.3	59.0	88.4
268	64.5	55.1	82.7





#23

Phenanthrene

Concen: 0.455 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Instrument :

BNA_E

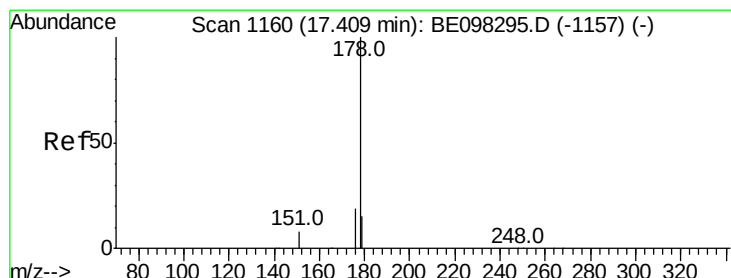
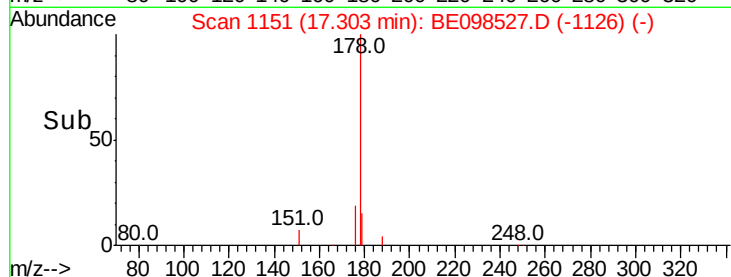
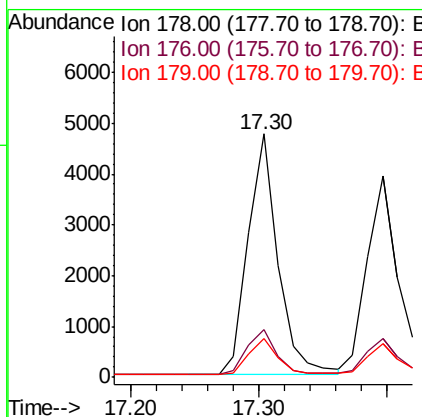
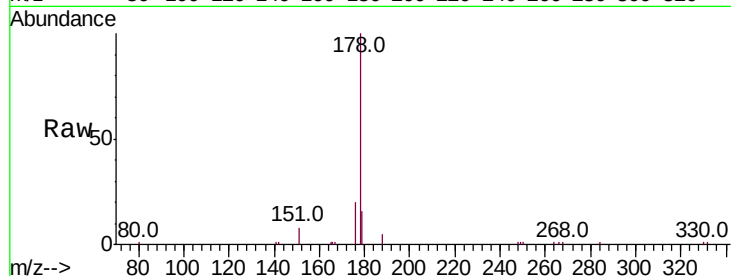
ClientSampleId :

RE105D1-20181210MSD

Tot Ion:178	Resp:	7758
Ion Ratio	Lower	Upper
178 100		
176 19.2	15.9	23.9
179 15.4	12.3	18.5

Manual Integrations
APPROVED

Sohil
12/20/2018 1:55:13 PM



#24

Anthracene

Concen: 0.433 ng

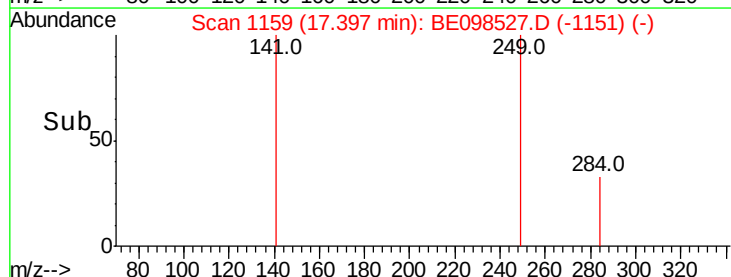
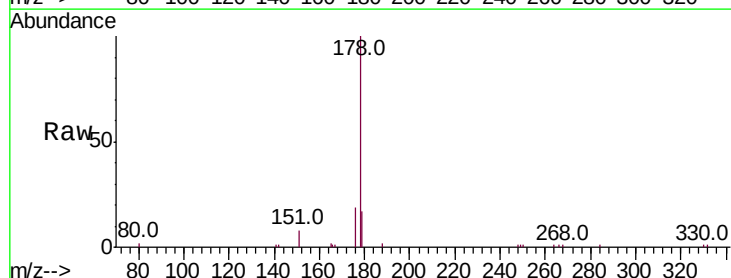
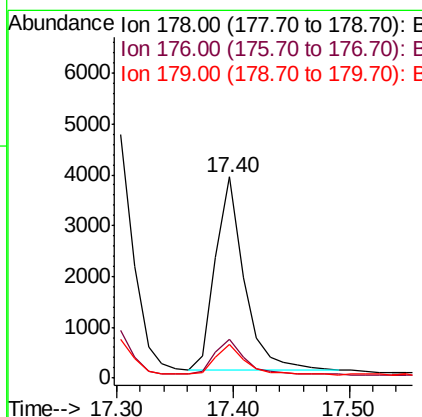
RT: 17.40 min Scan# 1159

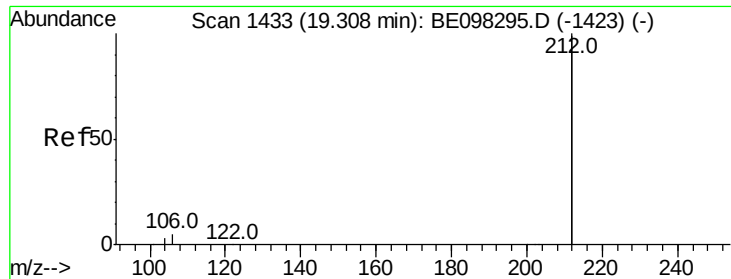
Delta R.T. -0.01 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Tgt Ion:178	Resp:	6579
Ion Ratio	Lower	Upper
178 100		
176 18.7	15.0	22.4
179 15.6	12.3	18.5





#25

Fluoranthene-d10

Concen: 0.441 ng

RT: 19.29 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Instrument :

BNA_E

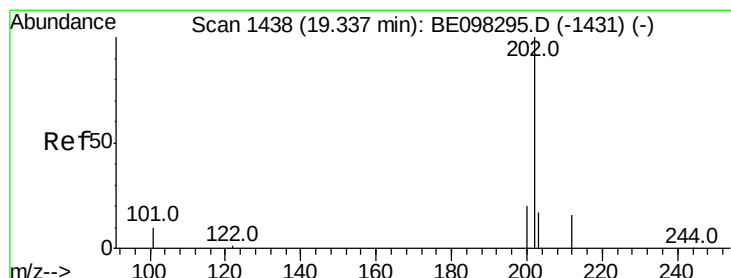
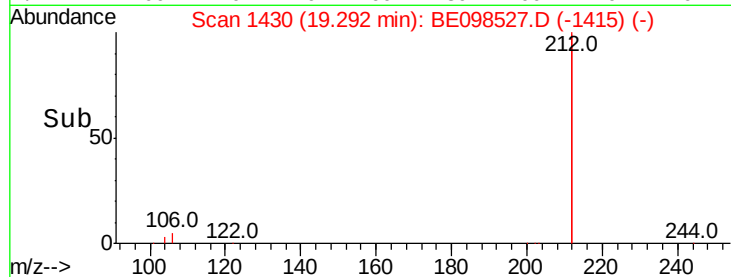
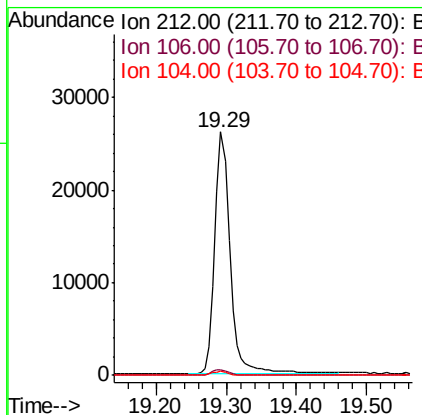
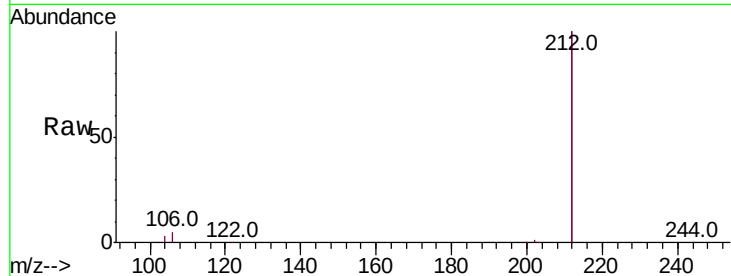
ClientSampleId :

RE105D1-20181210MSD

Tot Ion:	212	Resp:	39720
Ion Ratio	Lower	Upper	
212	100		
106	2.3	2.2	3.2
104	1.3	1.3	1.9

Manual Integrations
APPROVED

Sohil
12/20/2018 1:55:13 PM



#26

Fluoranthene

Concen: 0.452 ng

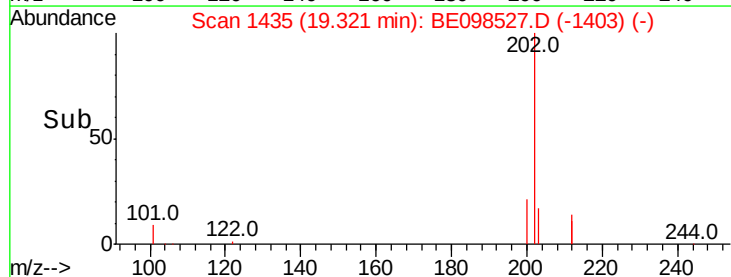
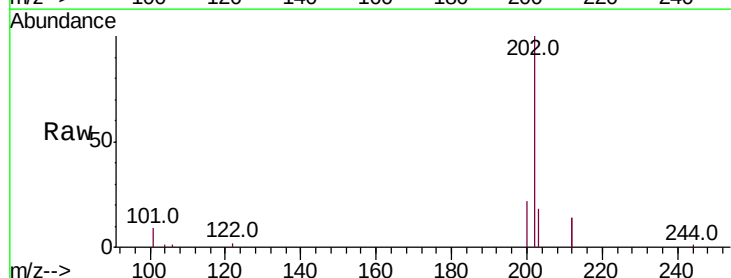
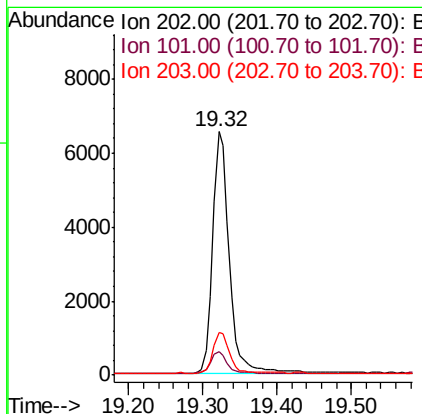
RT: 19.32 min Scan# 1435

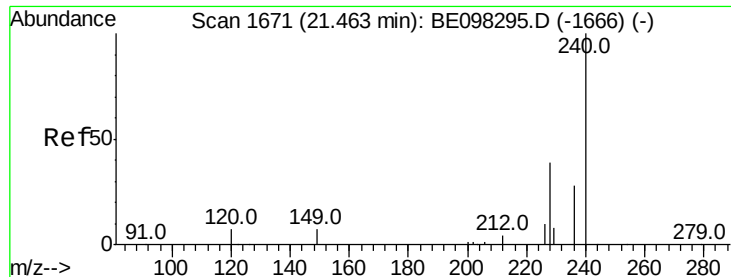
Delta R.T. -0.02 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Tgt Ion:	202	Resp:	10181
Ion Ratio	Lower	Upper	
202	100		
101	8.7	8.0	12.0
203	16.5	13.8	20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Instrument :

BNA_E

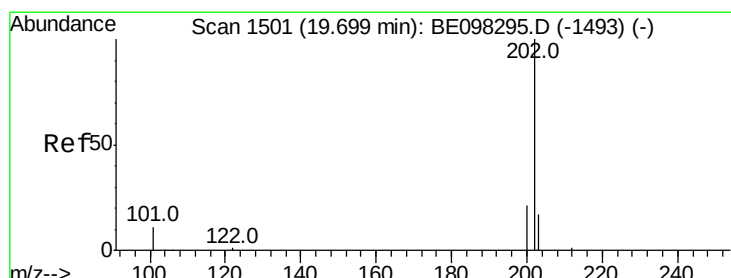
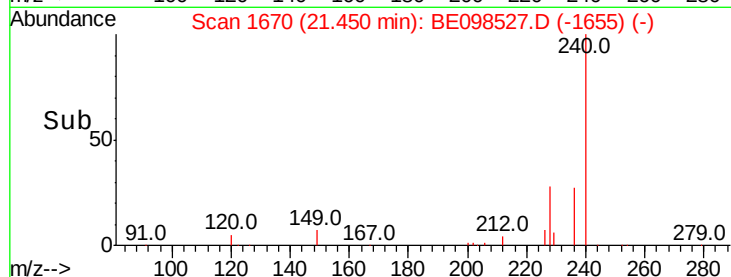
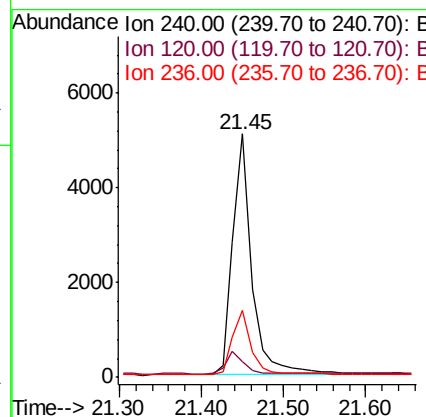
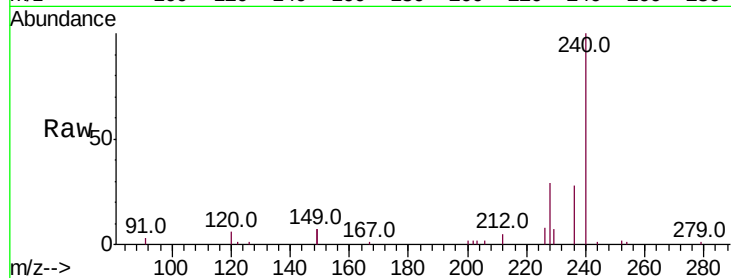
ClientSampleId :

RE105D1-20181210MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.3	9.5	14.3#
236	27.8	22.7	34.1

Manual Integrations
APPROVED

Sohil
12/20/2018 1:55:13 PM



#28

Pyrene

Concen: 0.391 ng

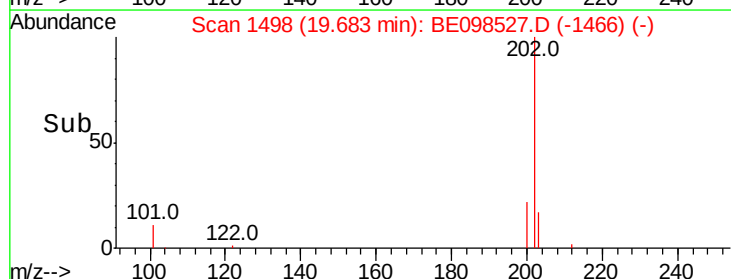
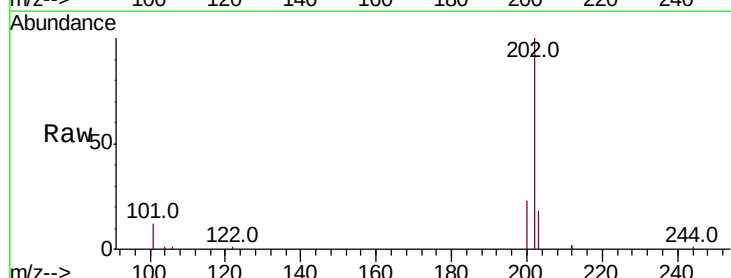
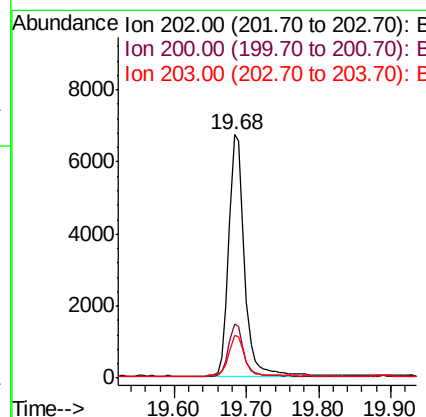
RT: 19.68 min Scan# 1498

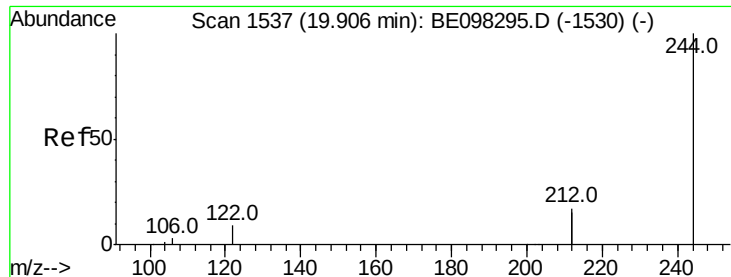
Delta R.T. -0.02 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.8	14.1	21.1





#29

Terphenyl-d14

Concen: 0.425 ng

RT: 19.89 min Scan# 1534

Delta R.T. -0.02 min

Lab File: BE098527.D

Acq: 19 Dec 2018 13:25

Instrument :

BNA_E

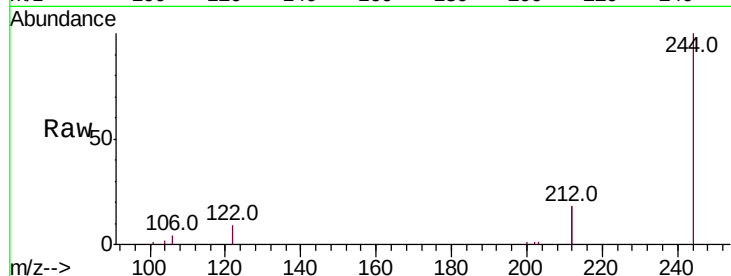
ClientSampleId :

RE105D1-20181210MSD

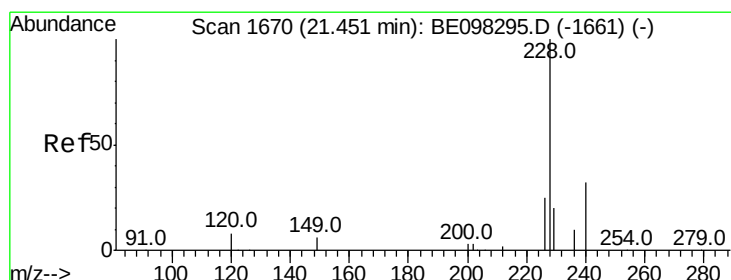
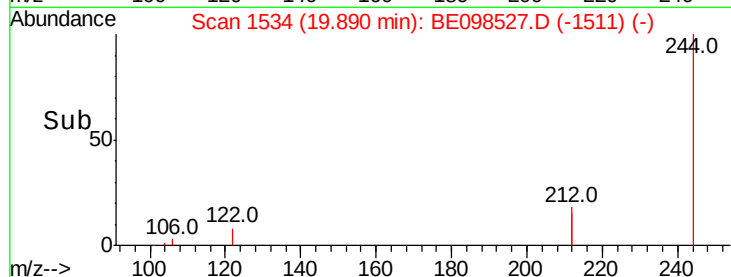
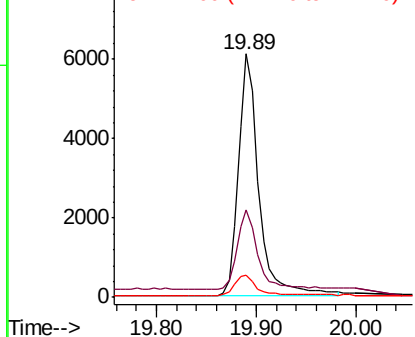
Tot Ion:	244	Resp:	8551
Ion Ratio	Lower	Upper	
244	100		
212	36.0	27.4	41.0
122	9.2	8.3	12.5

Manual Integrations
APPROVED

Sohil
12/20/2018 1:55:13 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: 0.434 ng

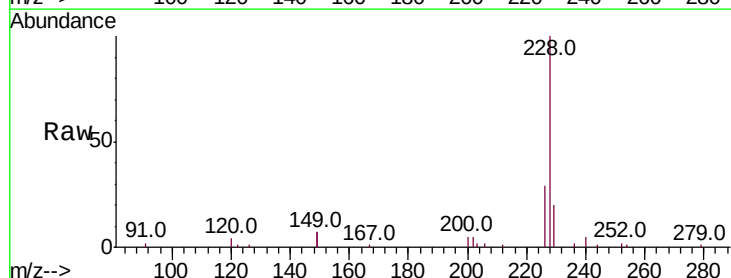
RT: 21.43 min Scan# 1668

Delta R.T. -0.03 min

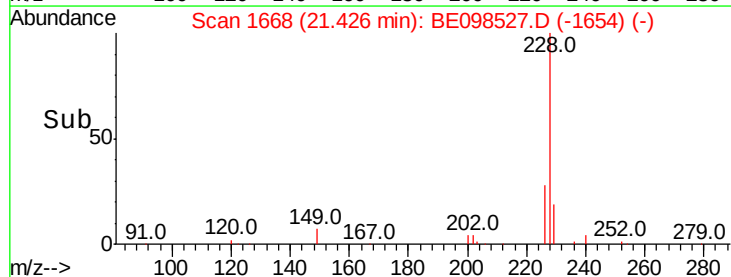
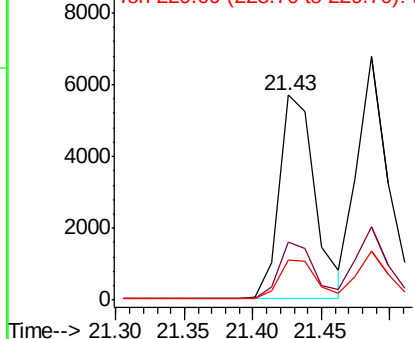
Lab File: BE098527.D

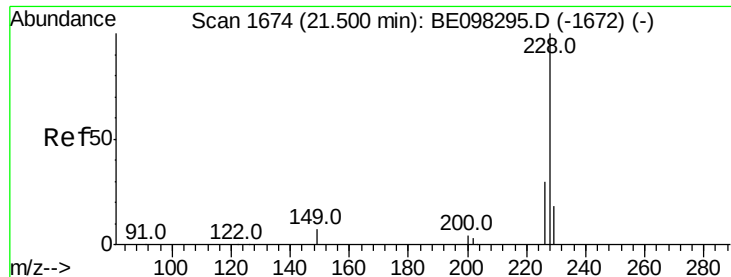
Acq: 19 Dec 2018 13:25

Tgt Ion:	228	Resp:	10220
Ion Ratio	Lower	Upper	
228	100		
226	28.6	21.8	32.8
229	19.7	16.3	24.5



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





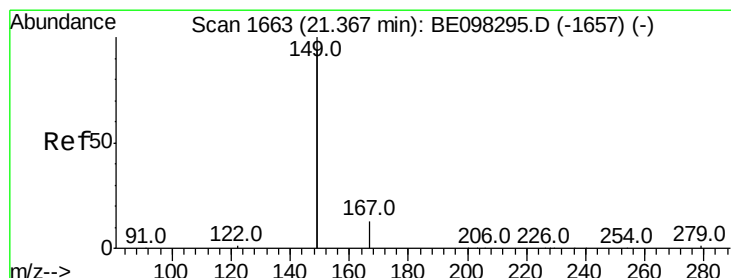
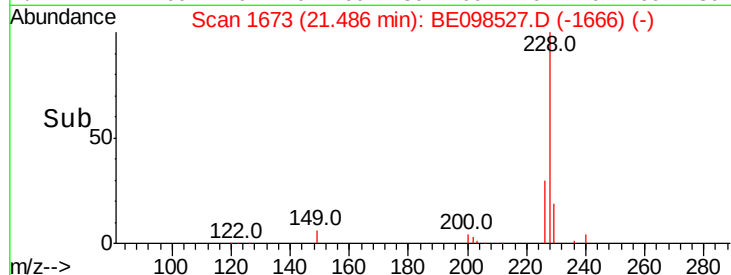
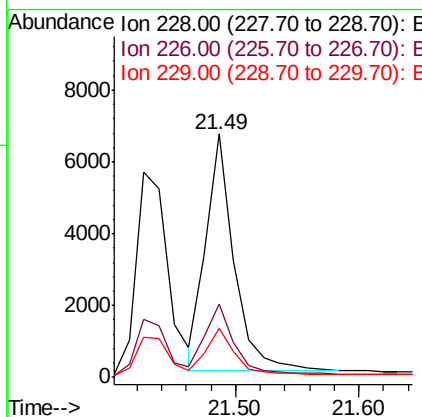
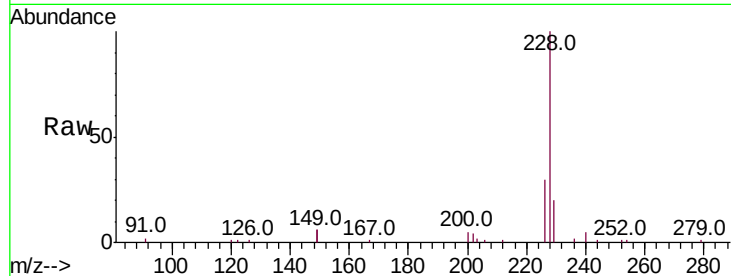
#31
Chrysene
Concen: 0.423 ng
RT: 21.49 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tot Ion:228	Resp:	10456
Ion Ratio	Lower	Upper
228 100		
226 30.2	23.4	35.0
229 20.0	16.2	24.4

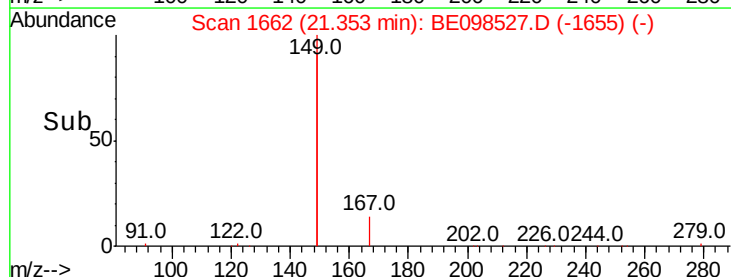
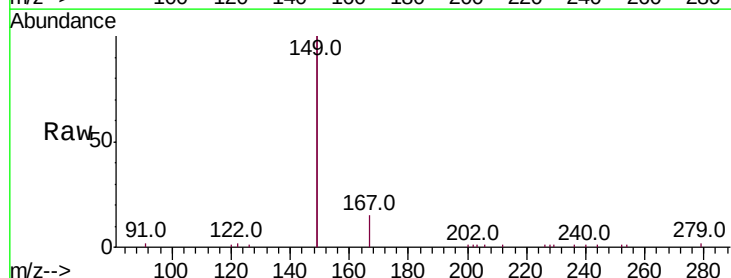
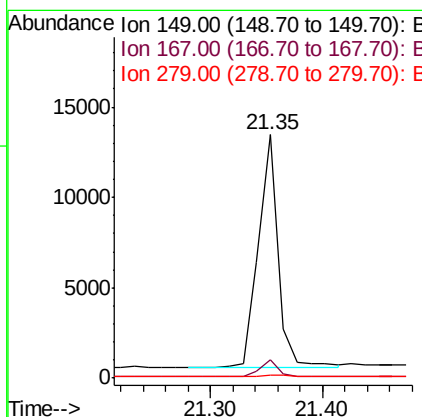
Manual Integrations
APPROVED

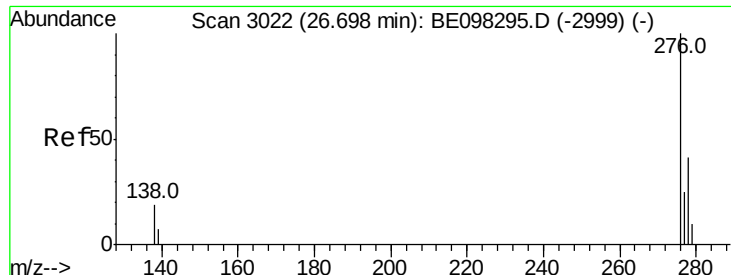
Sohil
12/20/2018 1:55:13 PM



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.334 ng
RT: 21.35 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

Tgt Ion:149	Resp:	15975
Ion Ratio	Lower	Upper
149 100		
167 6.8	5.7	8.5
279 1.0	1.0	1.4





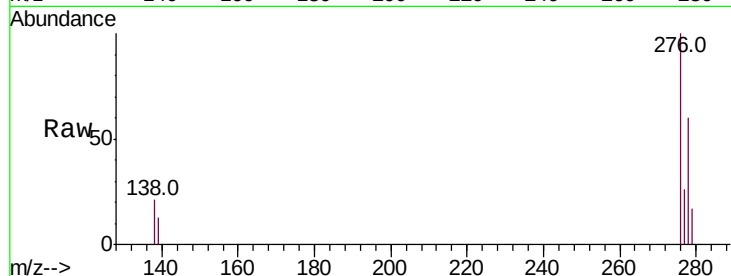
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.323 ng
RT: 26.67 min Scan# 3014
Delta R.T. -0.03 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.6	16.3	24.5#
277	8.3	20.2	30.4#

Manual Integrations
APPROVED

Sohil
12/20/2018 1:55:13 PM

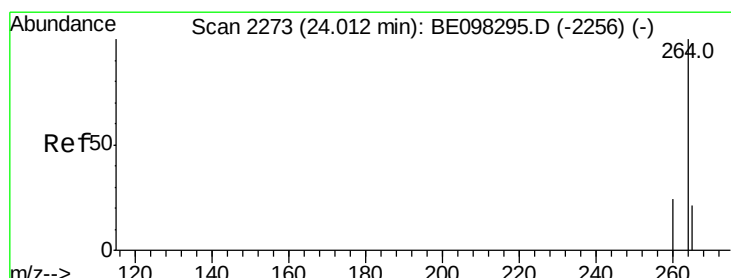
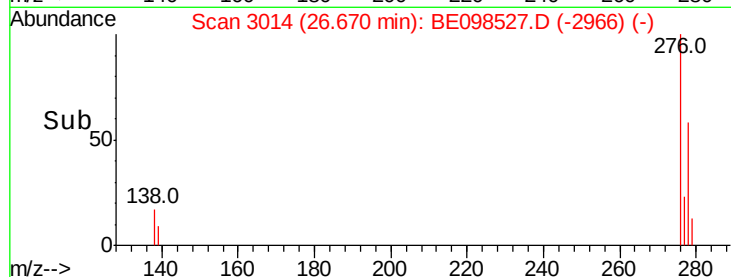
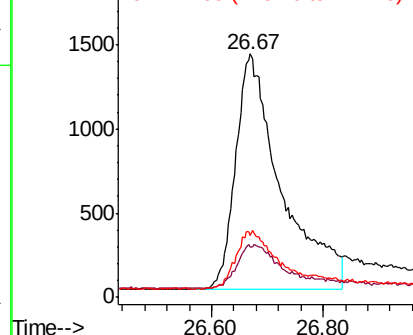


Abundance

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: 23.98 min Scan# 2265
Delta R.T. -0.03 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

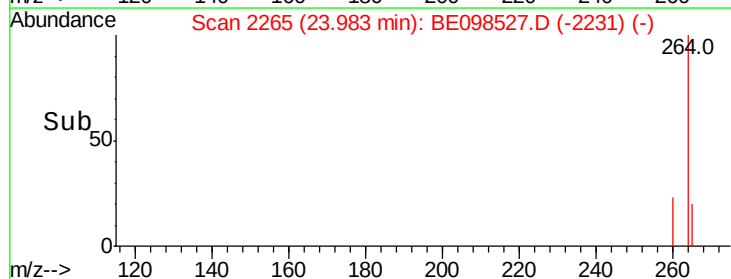
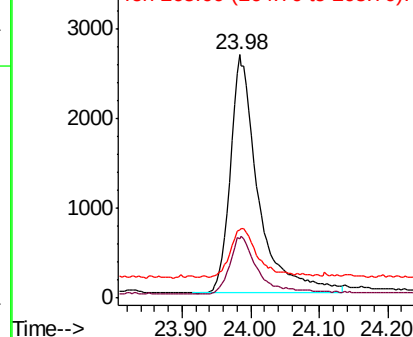
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.2	30.2
265	28.2	25.2	37.8

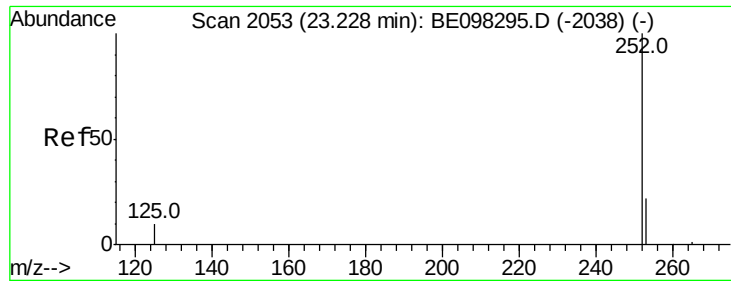
Abundance

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





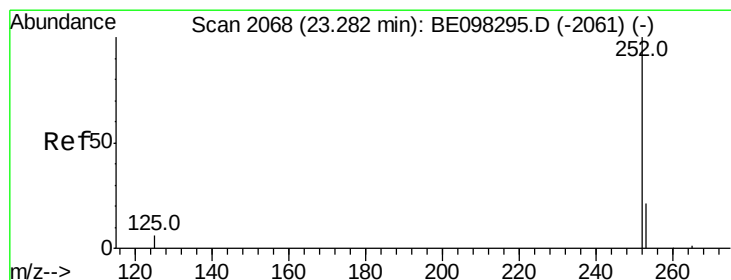
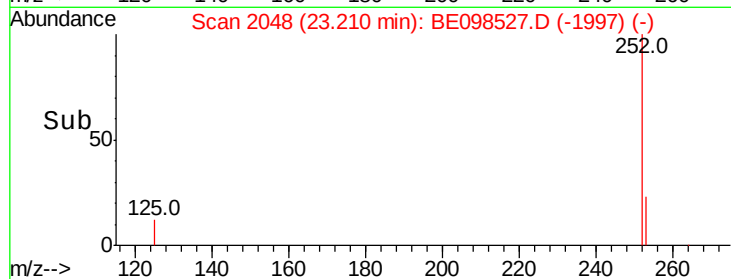
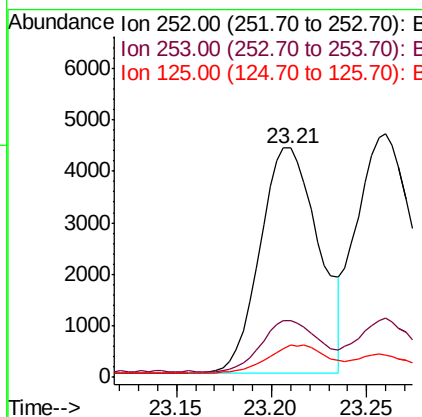
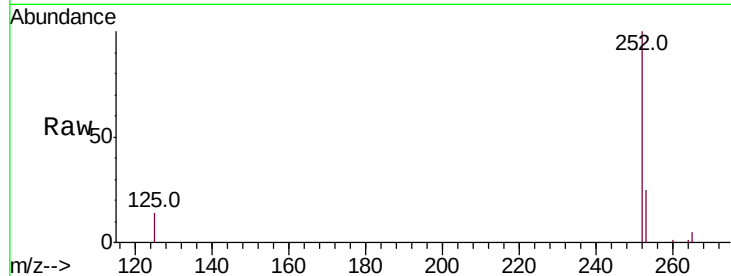
#35
Benzo(b)fluoranthene
Concen: 0.454 ng
RT: 23.21 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	20.0	30.0
125	13.9	9.6	14.4

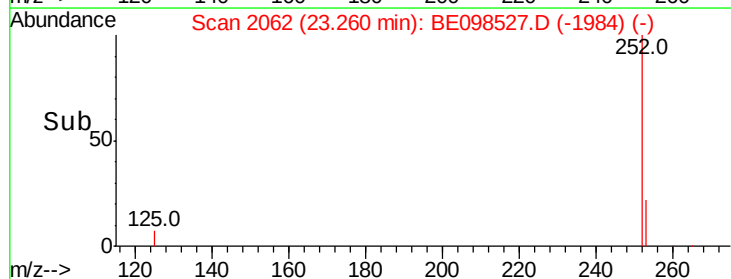
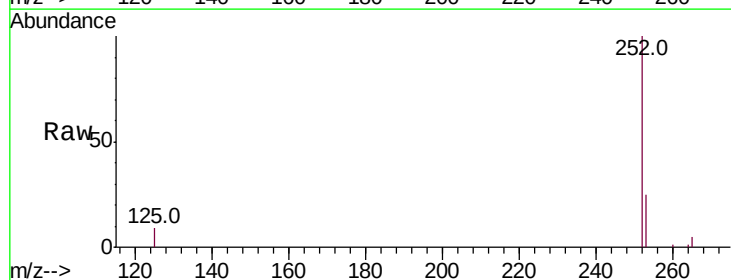
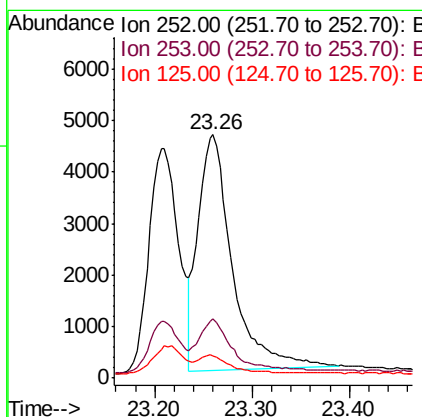
Manual Integrations
APPROVED

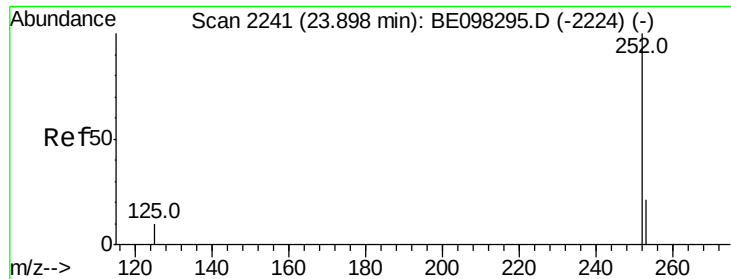
Sohil
12/20/2018 1:55:13 PM



#36
Benzo(k)fluoranthene
Concen: 0.464 ng
RT: 23.26 min Scan# 2062
Delta R.T. -0.02 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.0	28.6
125	9.0	9.1	13.7#





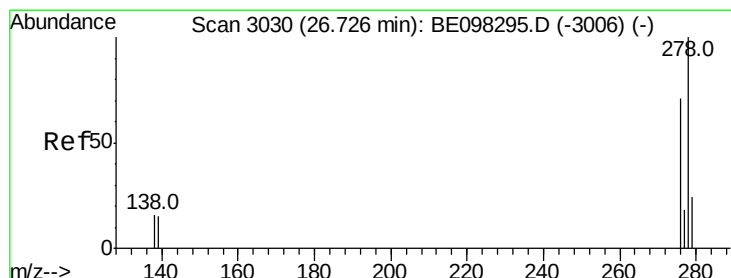
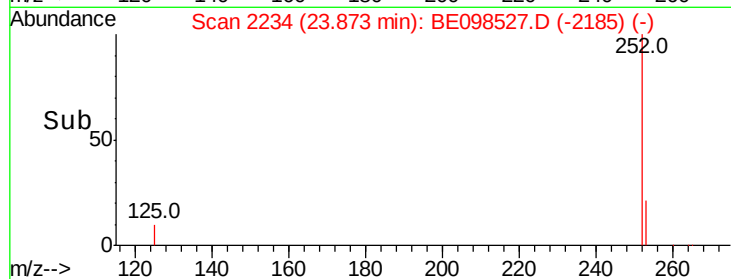
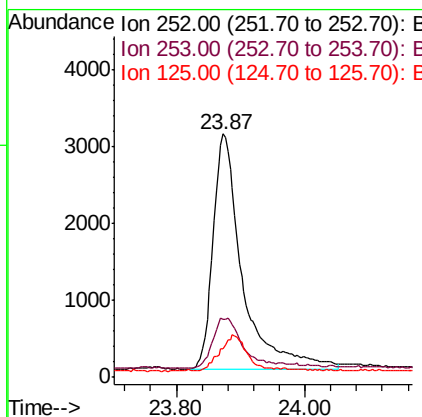
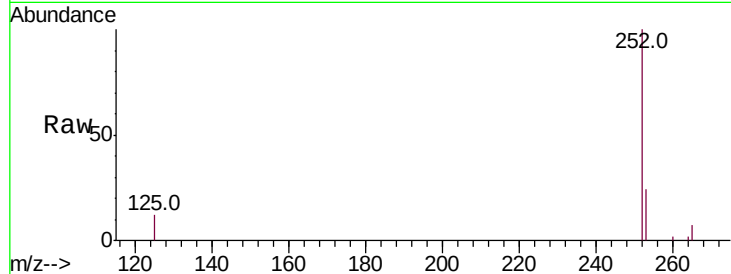
#37
Benzo(a)pyrene
Concen: 0.459 ng
RT: 23.87 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	20.6	30.8
125	11.9	10.5	15.7

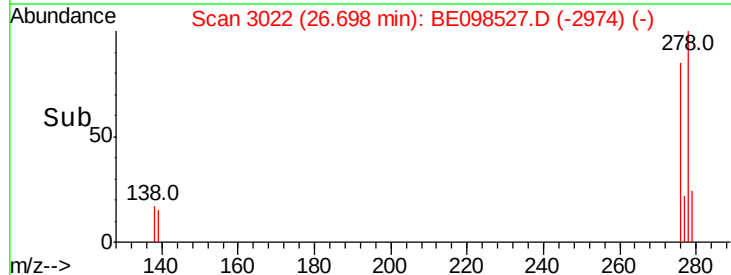
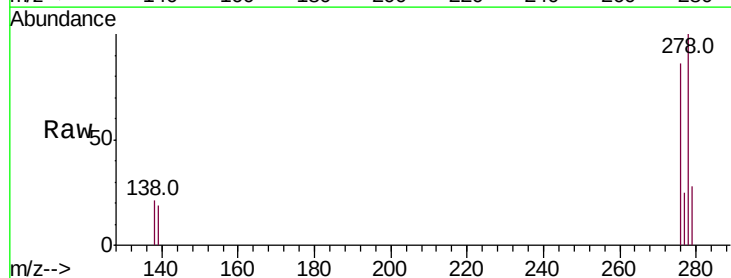
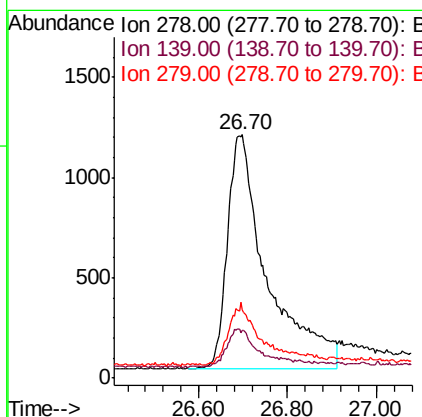
Manual Integrations
APPROVED

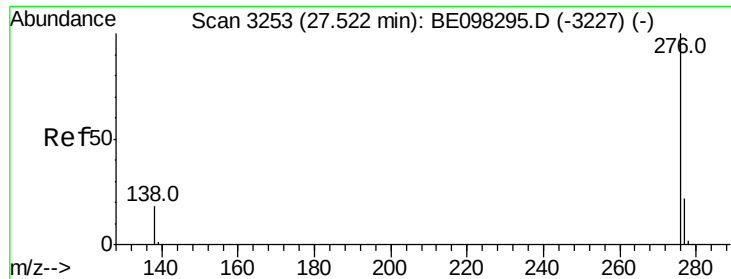
Sohil
12/20/2018 1:55:13 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.363 ng m
RT: 26.70 min Scan# 3022
Delta R.T. -0.03 min
Lab File: BE098527.D
Acq: 19 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.4	14.5	21.7
279	27.9	21.8	32.8





#39

Benzo(a,h,i)perylene

Concen: 0.320 ng

RT: 27.49 min Scan# 3245

Delta R.T. -0.03 min

Lab File: BE098527.D

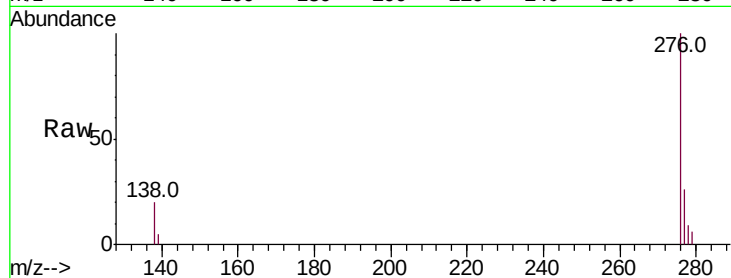
Acq: 19 Dec 2018 13:25

Instrument :

BNA_E

ClientSampleId :

RE105D1-20181210MSD



Tot Ion:	276	Resp:	6477
Ion Ratio	Lower	Upper	
276	100		
277	26.3	20.8	31.2
138	20.4	15.8	23.6

Manual Integrations
APPROVED

Sohil
12/20/2018 1:55:13 PM

