

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011520\
 Data File : BE101062.D
 Acq On : 15 Jan 2020 17:52
 Operator : JU
 Sample : PB126102BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB126102BSD

Manual Integrations
 APPROVED

mohammad
 1/16/2020 2:26:09 PM

Quant Time: Jan 16 04:34:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 18:36:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	3547	0.40	ng	0.00
7) Naphthalene-d8	10.50	136	15041	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	8172	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	17130	0.40	ng	0.00
27) Chrysene-d12	21.27	240	15871	0.40	ng	-0.01
34) Perylene-d12	23.69	264	20681	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	1404	0.18	ng	0.00
5) Phenol-d6	6.91	99	1071	0.11	ng	0.00
8) Nitrobenzene-d5	8.87	82	4703	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	10196	0.36	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	974	0.42	ng	-0.01
15) 2-Fluorobiphenyl	12.99	172	12800	0.41	ng	-0.01
25) Fluoranthene-d10	19.13	212	77712	0.33	ng	0.00
29) Terphenyl-d14	19.73	244	15796	0.41	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	1325	0.045	ng	# 24
3) n-Nitrosodimethylamine	3.60	42	1074	0.218	ng	# 1
6) bis(2-Chloroethyl)ether	7.15	93	4000	0.333	ng	# 94
9) Naphthalene	10.55	128	58326	0.349	ng	100
10) Hexachlorobutadiene	10.84	225	2215	0.313	ng	98
12) 2-Methylnaphthalene	12.17	142	8375	0.332	ng	99
16) Acenaphthylene	14.07	152	12326	0.370	ng	98
17) Acenaphthene	14.41	154	8095	0.340	ng	99
18) Fluorene	15.39	166	9935	0.330	ng	98
20) 4-Bromophenyl-phenylether	16.29	248	2724	0.326	ng	90
21) Hexachlorobenzene	16.40	284	2948	0.322	ng	99
22) Pentachlorophenol	16.75	266	2071	0.896	ng	90
23) Phenanthrene	17.13	178	15492	0.331	ng	100
24) Anthracene	17.23	178	16340	0.370	ng	99
26) Fluoranthene	19.15	202	19911	0.340	ng	99
28) Pyrene	19.51	202	20761	0.351	ng	99
30) Benzo(a)anthracene	21.26	228	15911	0.351	ng	99
31) Chrysene	21.31	228	24399	0.362	ng	99
32) Bis(2-ethylhexyl)phthalate	21.20	149	35966	0.477	ng	99
33) Indeno(1,2,3-cd)pyrene	26.23	276	24311	0.457	ng	# 88
35) Benzo(b)fluoranthene	22.95	252	17899	0.309	ng	99
36) Benzo(k)fluoranthene	23.00	252	25279m	0.301	ng	
37) Benzo(a)pyrene	23.58	252	20799	0.371	ng	99
38) Dibenzo(a,h)anthracene	26.26	278	18156	0.352	ng	96
39) Benzo(g,h,i)perylene	27.00	276	22539	0.355	ng	99

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

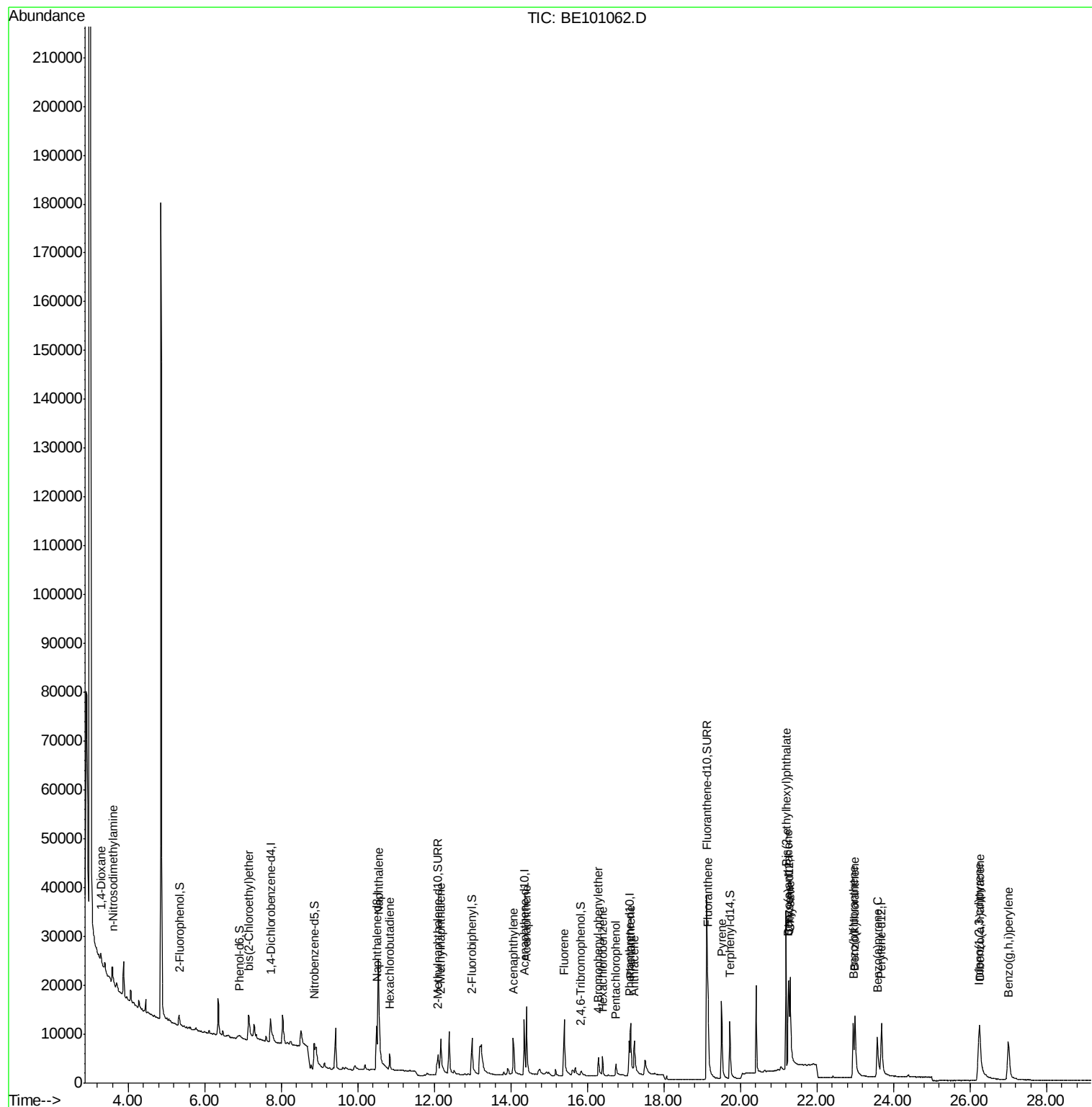
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011520\
Data File : BE101062.D
Acq On : 15 Jan 2020 17:52
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Quant Time: Jan 16 04:34:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.73 min Scan# 422

Delta R.T. -0.01 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Instrument :

BNA_E

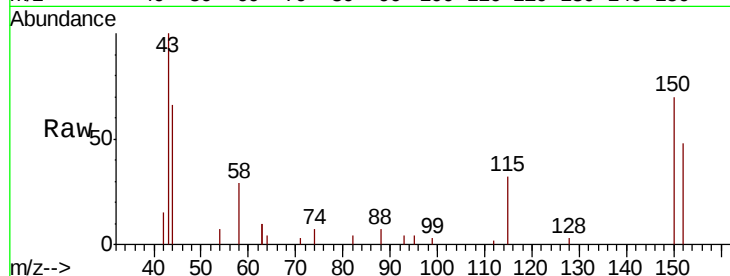
ClientSampleId :

PB126102BSD

Tot Ion:	152	Resp:	3547
Ion	Ratio	Lower	Upper
152	100		
150	145.5	120.3	180.5
115	66.4	51.7	77.5

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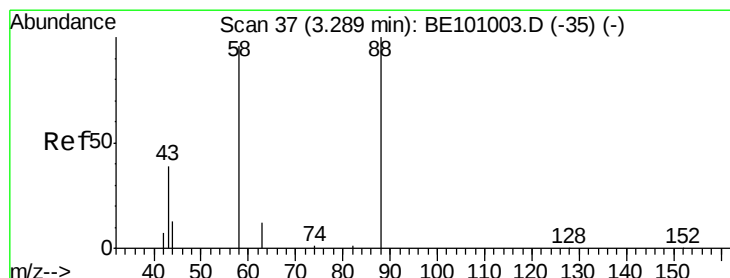
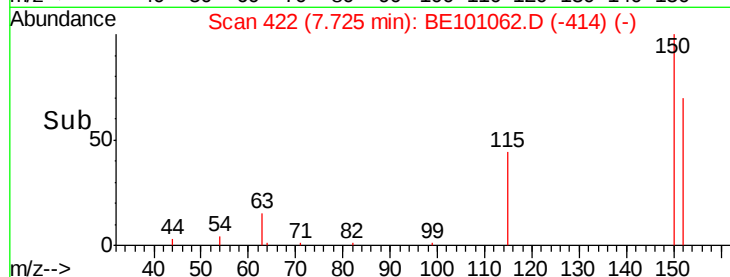
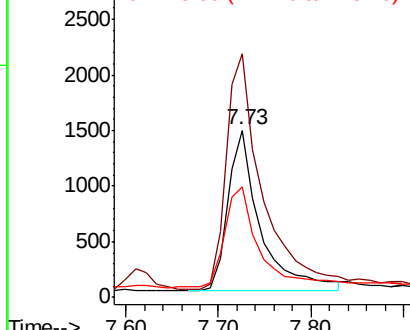


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.045 ng

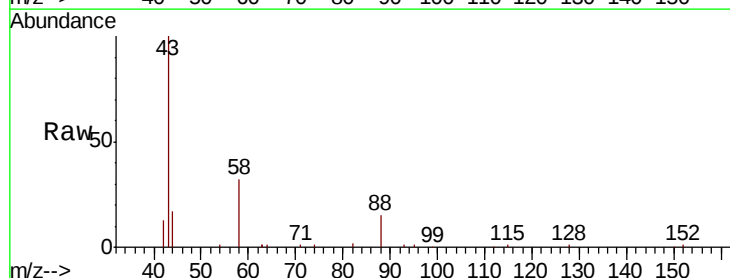
RT: 3.29 min Scan# 37

Delta R.T. 0.00 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Tgt Ion:	88	Resp:	1325
Ion	Ratio	Lower	Upper
88	100		
58	134.8	53.0	79.4#
43	0.0	23.4	35.2#

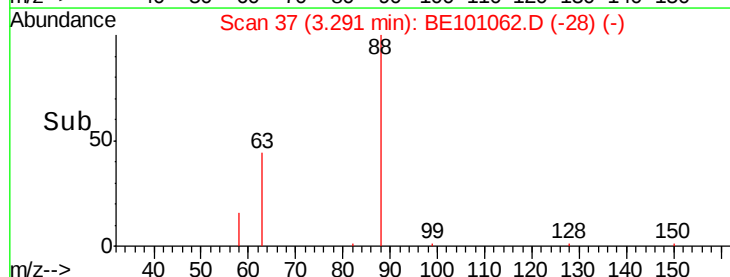
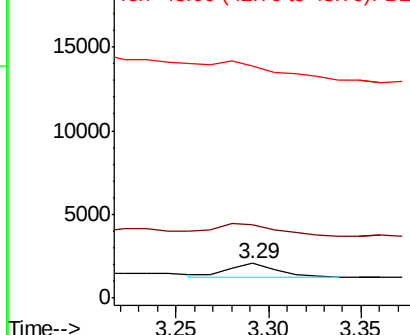


Abundance

Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.218 ng

RT: 3.60 min Scan# 64

Delta R.T. -0.01 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Instrument :

BNA_E

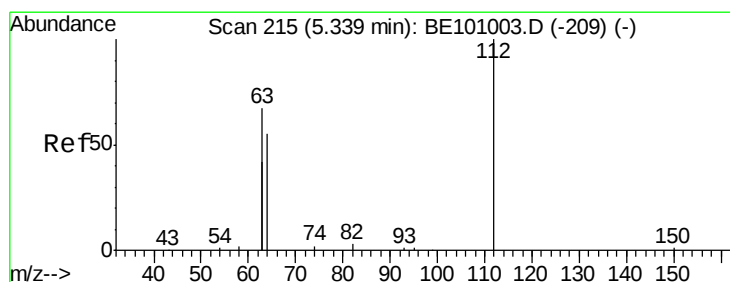
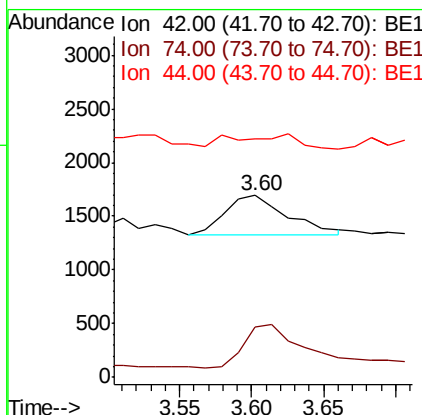
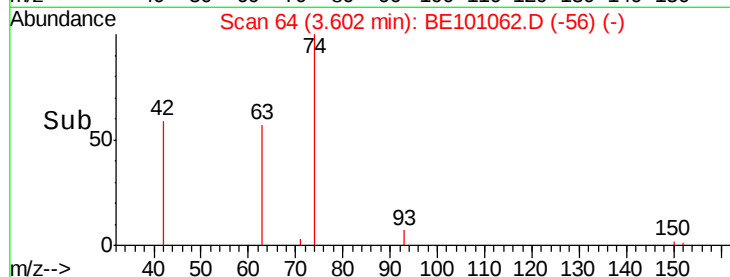
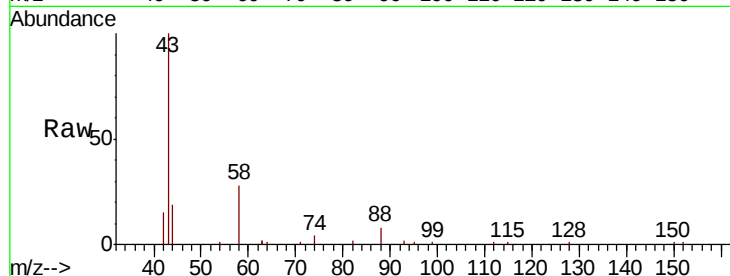
ClientSampleId :

PB126102BSD

Tot Ion:	42	Resp:	1074
Ion	Ratio	Lower	Upper
42	100		
74	0.0	105.7	158.5#
44	0.0	10.0	15.0#

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#4

2-Fluorophenol

Concen: 0.176 ng

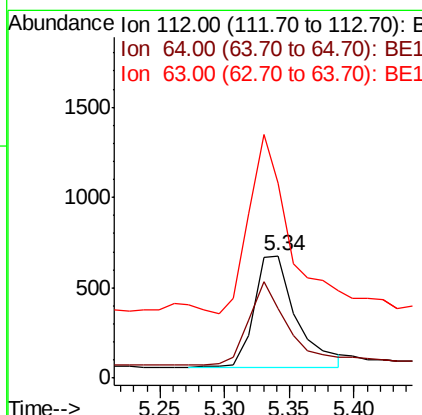
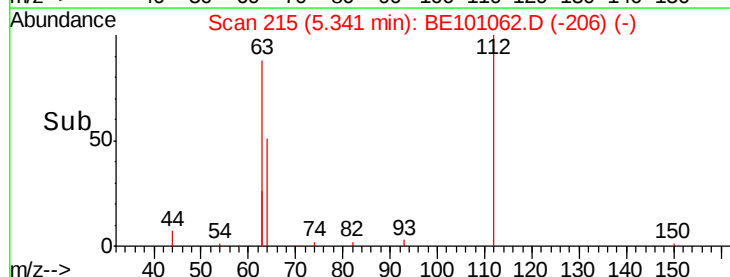
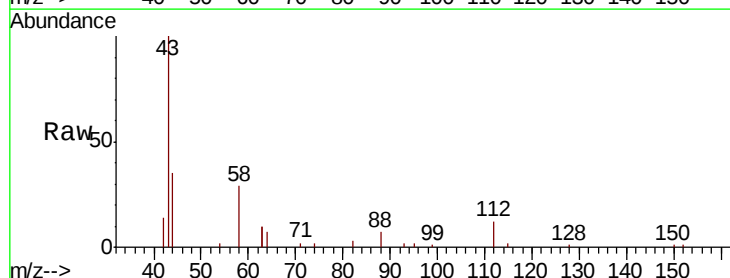
RT: 5.34 min Scan# 215

Delta R.T. 0.00 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Tgt Ion:	112	Resp:	1404
Ion	Ratio	Lower	Upper
112	100		
64	69.6	53.6	80.4
63	153.9	114.6	172.0





#5

Phenol-d6

Concen: 0.106 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Instrument :

BNA_E

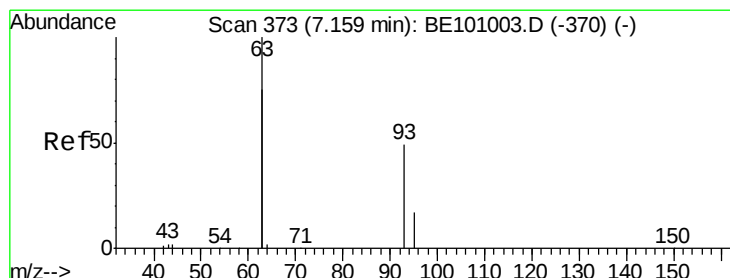
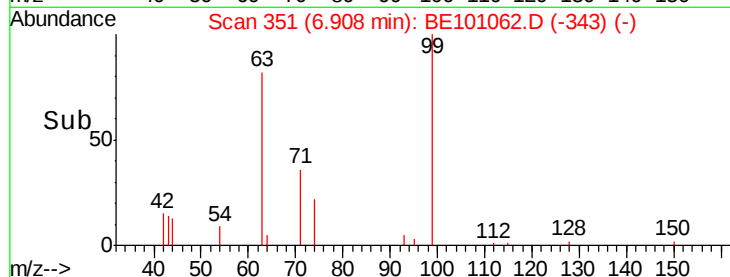
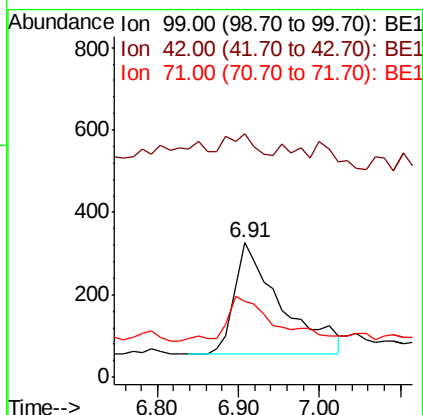
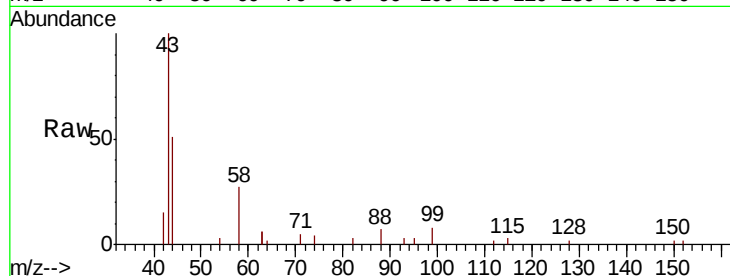
ClientSampleId :

PB126102BSD

Tot Ion:	99	Resp:	1071
Ion	Ratio	Lower	Upper
99	100		
42	10.7	18.3	27.5#
71	38.4	28.0	42.0

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#6

bis(2-Chloroethyl)ether

Concen: 0.333 ng

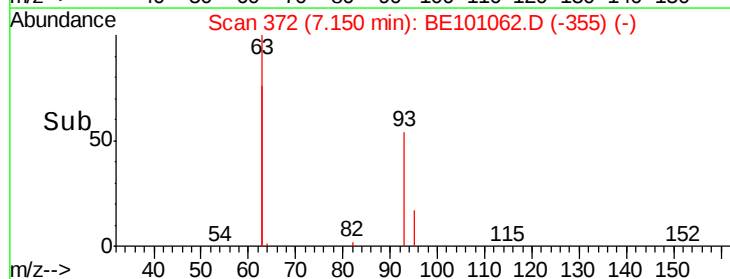
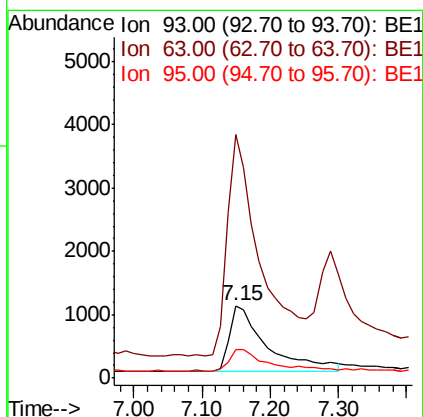
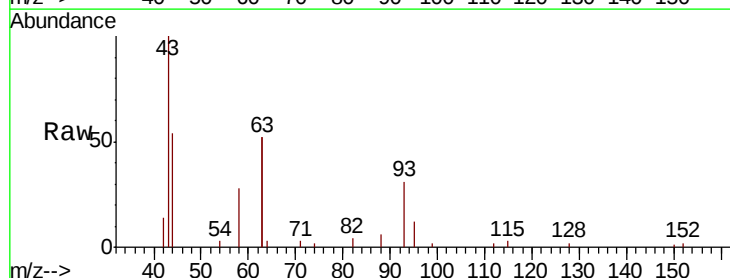
RT: 7.15 min Scan# 372

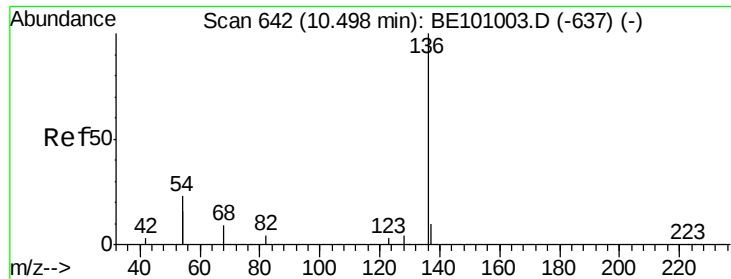
Delta R.T. -0.01 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Tgt Ion:	93	Resp:	4000
Ion	Ratio	Lower	Upper
93	100		
63	302.8	233.9	350.9
95	35.3	23.5	35.3#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Instrument :

BNA_E

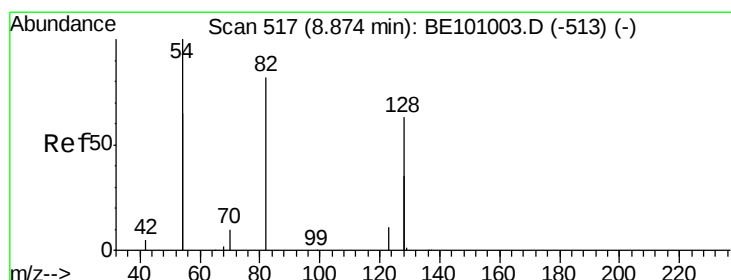
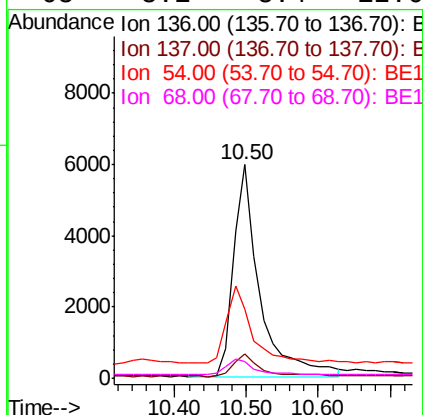
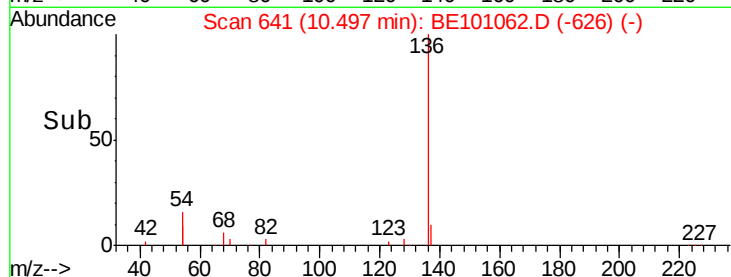
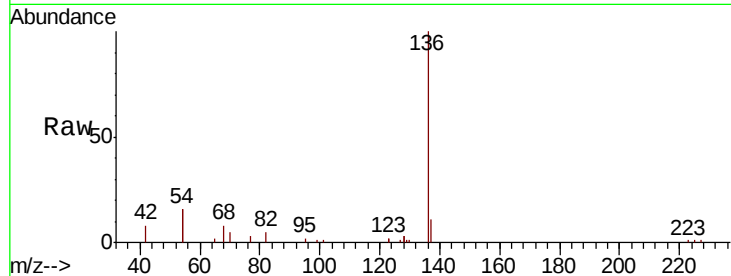
ClientSampleId :

PB126102BSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	32.1	36.8	55.2#
68	8.1	8.4	12.6#

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#8

Nitrobenzene-d5

Concen: 0.437 ng

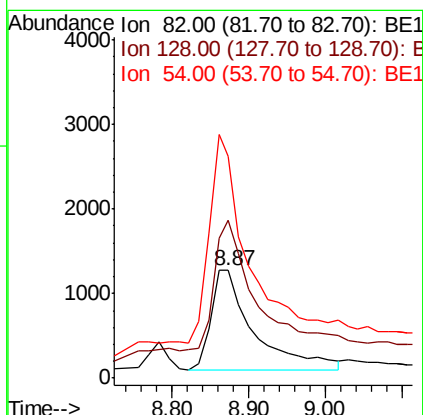
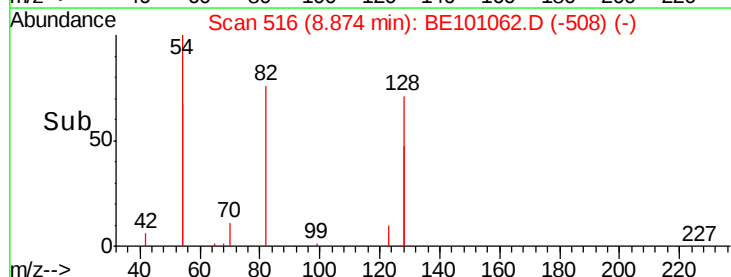
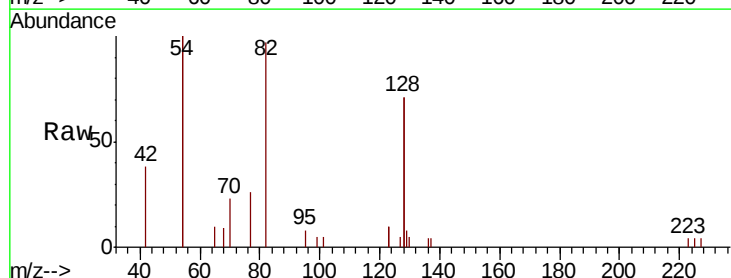
RT: 8.87 min Scan# 516

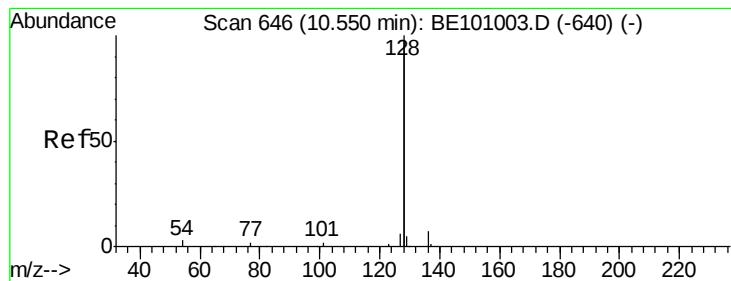
Delta R.T. -0.00 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Tgt Ion	Ratio	Lower	Upper
82	100		
128	146.9	109.8	164.6
54	205.7	174.5	261.7





#9

Naphthalene

Concen: 0.349 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Instrument :

BNA_E

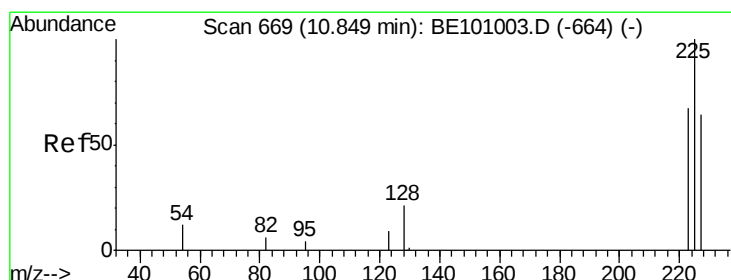
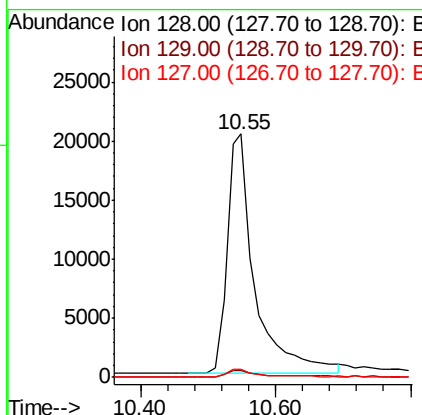
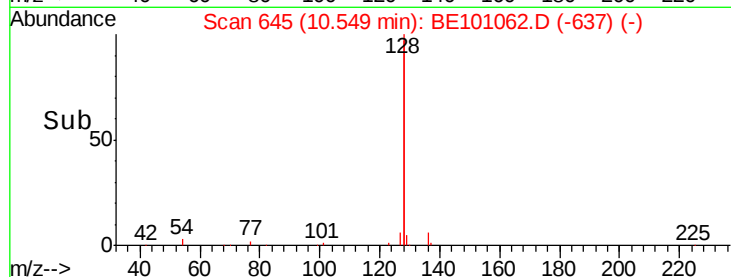
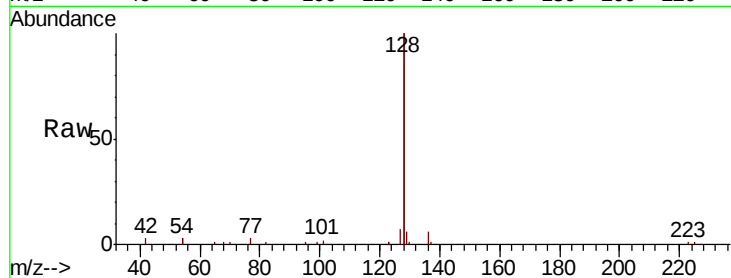
ClientSampleId :

PB126102BSD

Tot Ion:	128	Resp:	58326
Ion Ratio	Lower	Upper	
128	100		
129	3.0	2.3	3.5
127	3.4	2.7	4.1

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#10

Hexachlorobutadiene

Concen: 0.313 ng

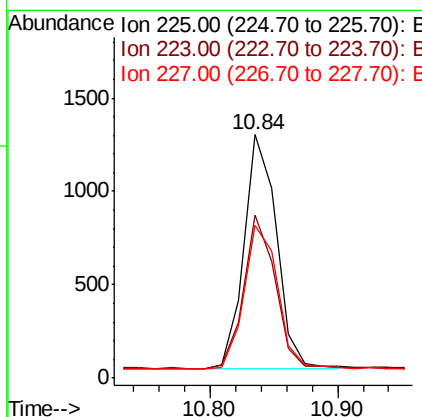
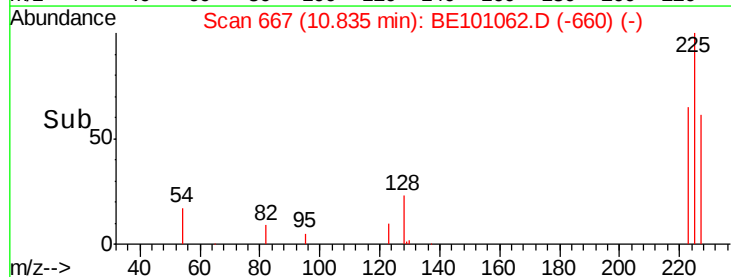
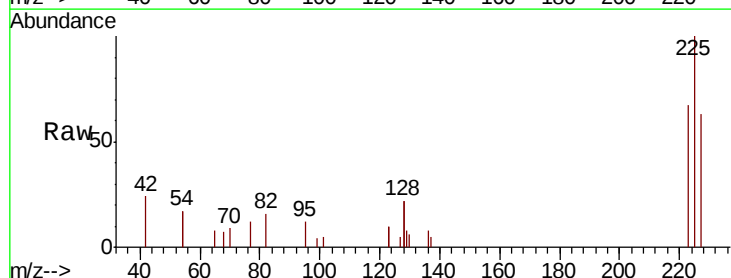
RT: 10.84 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Tgt Ion:	225	Resp:	2215
Ion Ratio	Lower	Upper	
225	100		
223	62.7	52.2	78.4
227	63.6	49.9	74.9





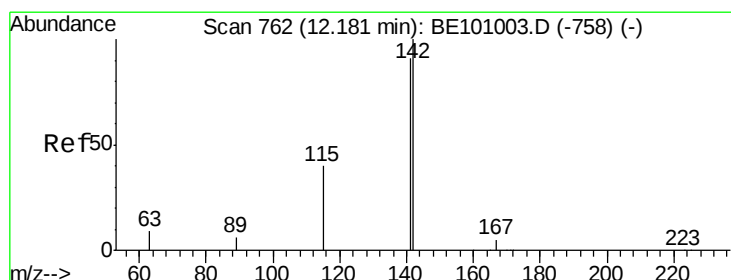
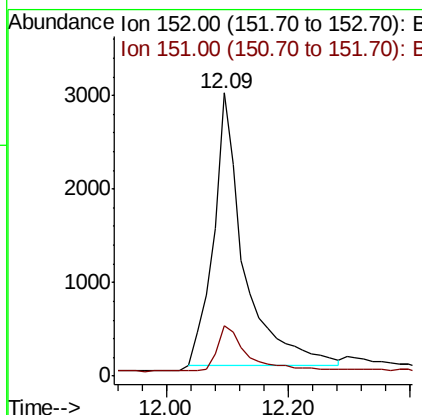
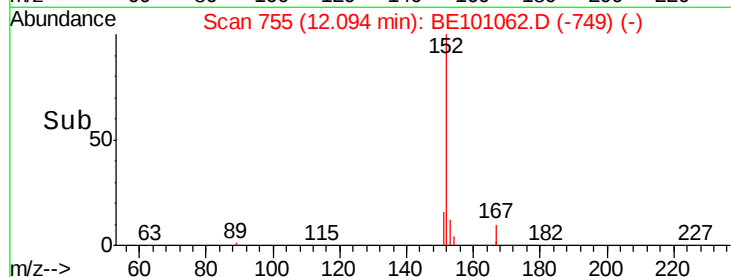
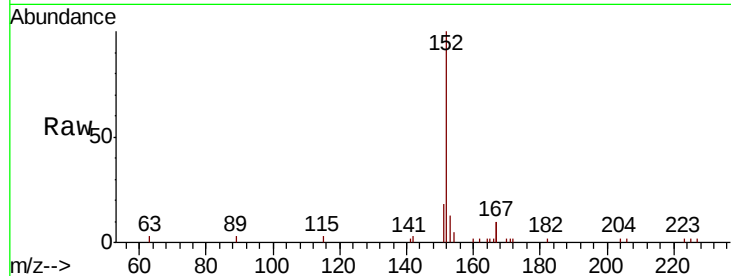
#11
2-Methylnaphthalene-d10
Concen: 0.355 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.01 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

Instrument :
BNA_E
ClientSampleId :
PB126102BSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	16.6	15.0	22.6

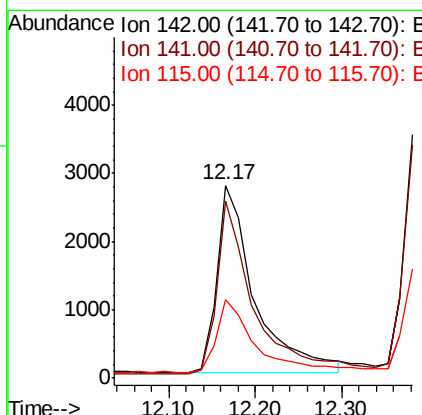
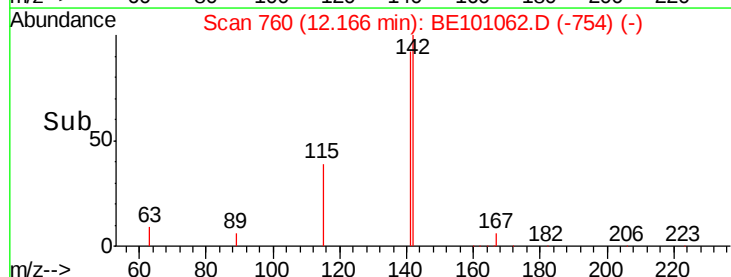
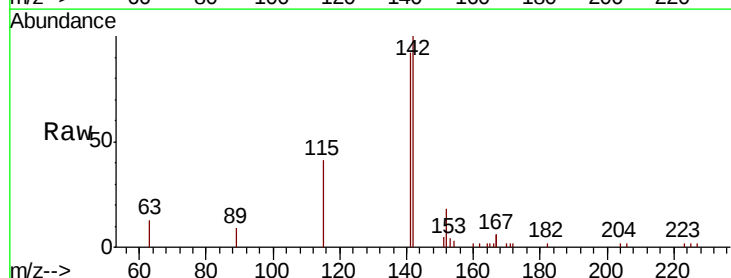
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#12
2-Methylnaphthalene
Concen: 0.332 ng
RT: 12.17 min Scan# 760
Delta R.T. -0.01 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.5	108.7
115	40.7	33.0	49.6





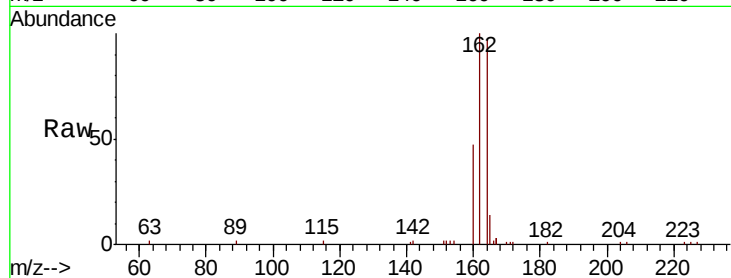
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

Instrument :
BNA_E
ClientSampleId :
PB126102BSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	84.1	126.1
160	48.0	40.4	60.6

Manual Integrations
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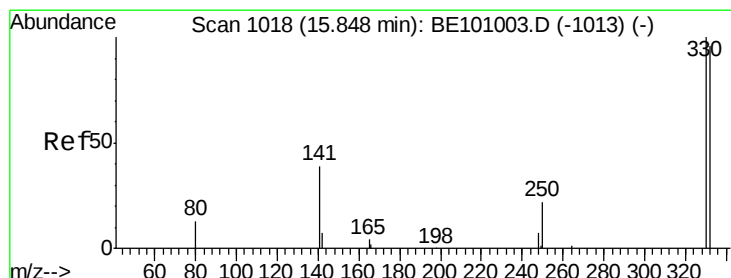
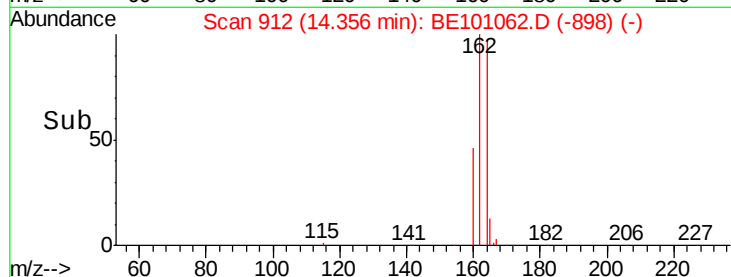
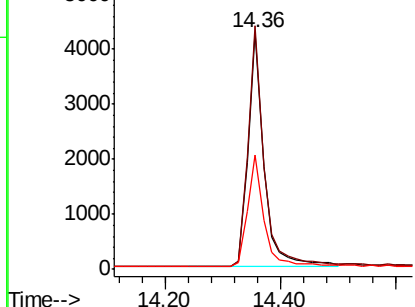


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.422 ng
RT: 15.84 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

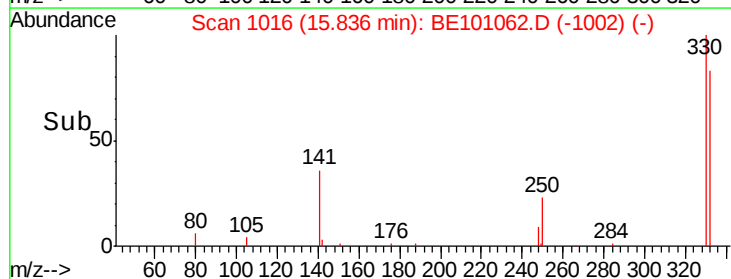
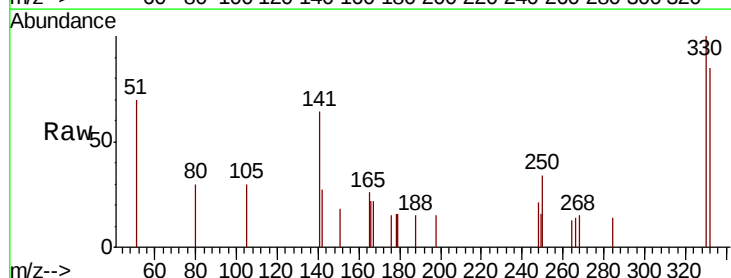
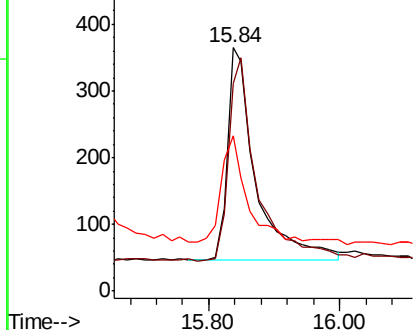
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.4	117.6
141	44.1	37.0	55.4

Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





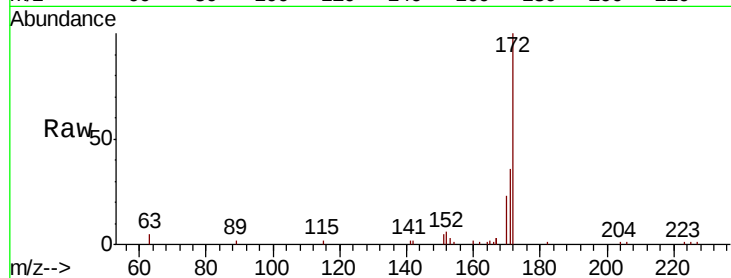
#15
2-Fluorobiphenyl
Concen: 0.412 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.01 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

Instrument :
BNA_E
ClientSampleId :
PB126102BSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.2	42.2
170	23.5	18.9	28.3

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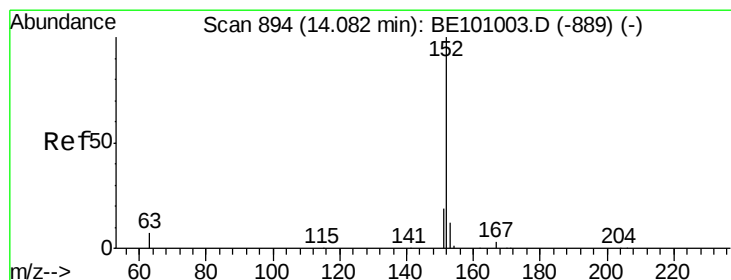
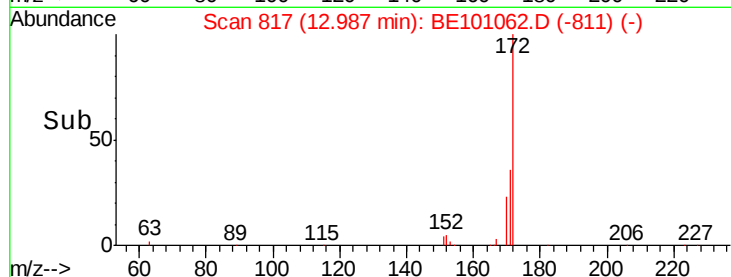
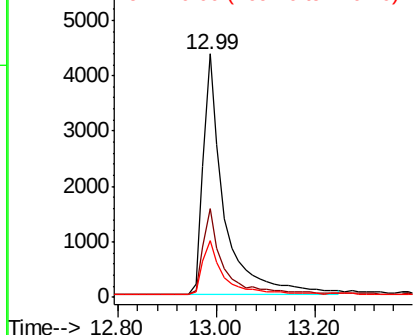


Abundance

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: 0.370 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.01 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

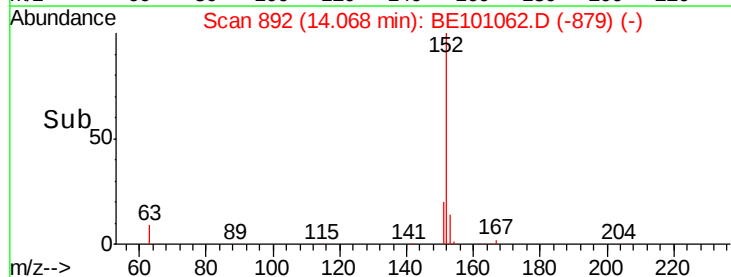
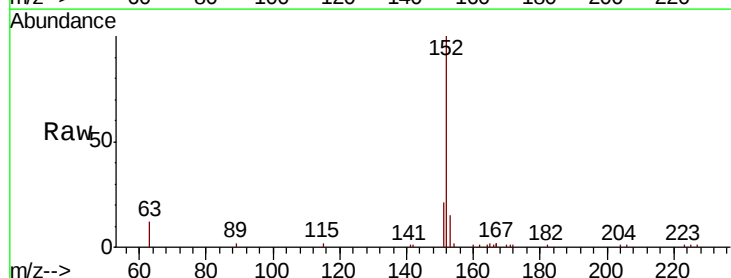
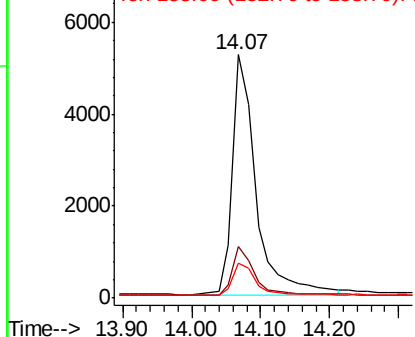
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.5	23.3
153	14.0	10.4	15.6

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





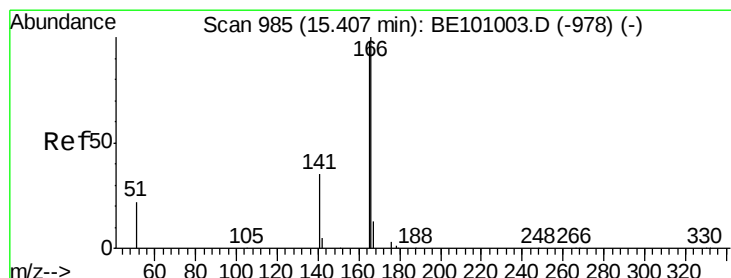
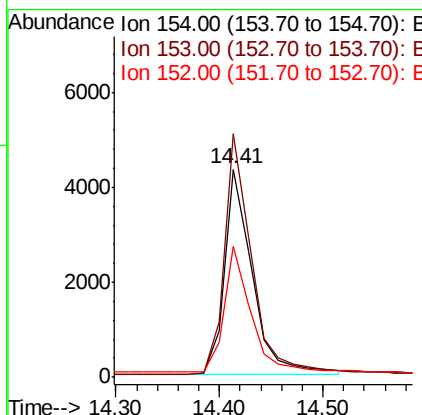
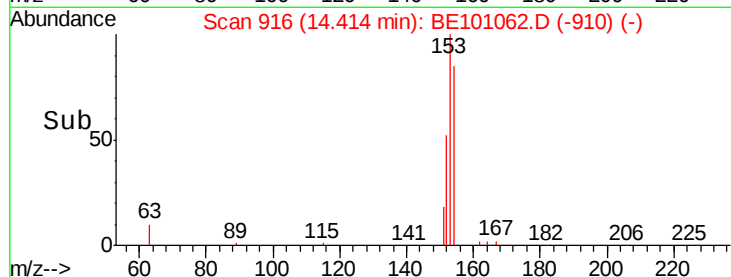
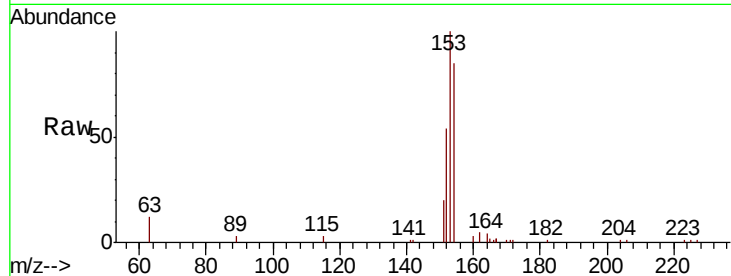
#17
Acenaphthene
Concen: 0.340 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.01 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

Instrument :
BNA_E
ClientSampleId :
PB126102BSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.2	93.6	140.4
152	58.3	46.3	69.5

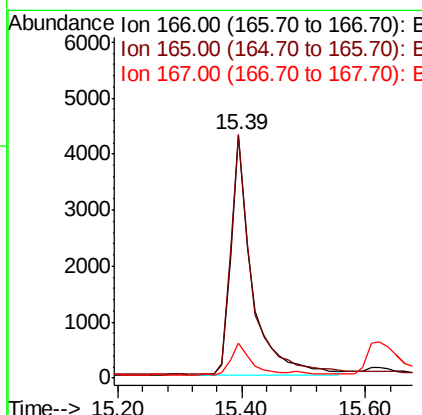
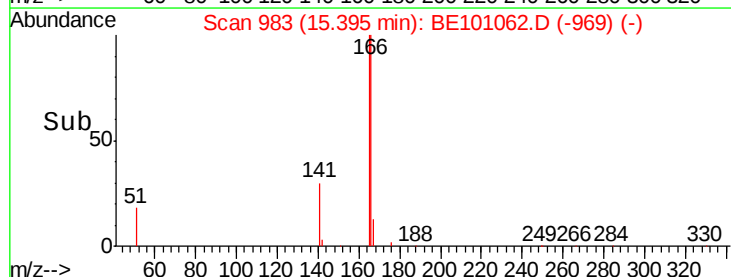
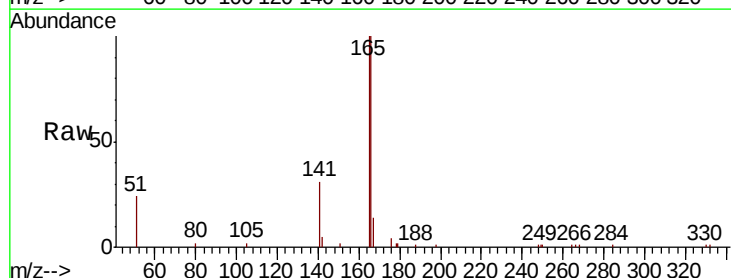
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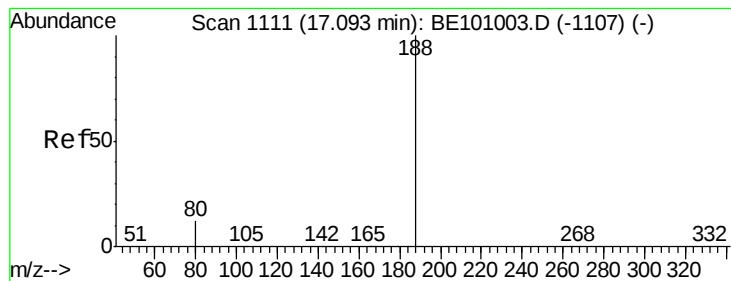
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#18
Fluorene
Concen: 0.330 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.7	79.8	119.8
167	12.7	11.0	16.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Instrument :

BNA_E

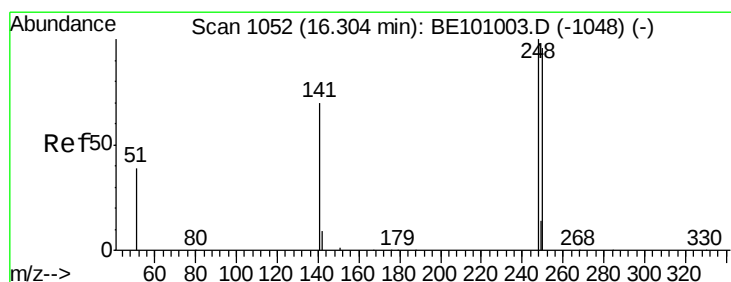
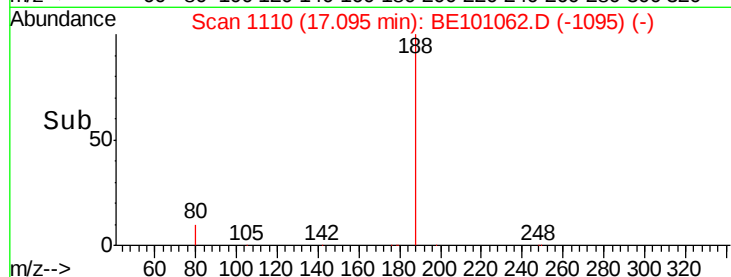
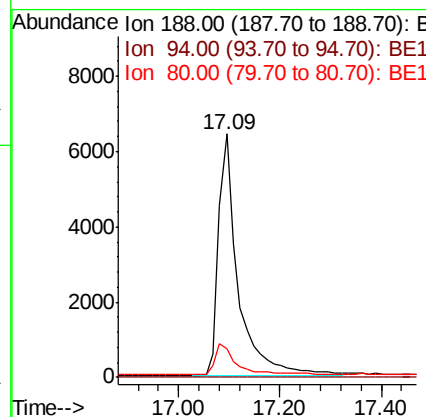
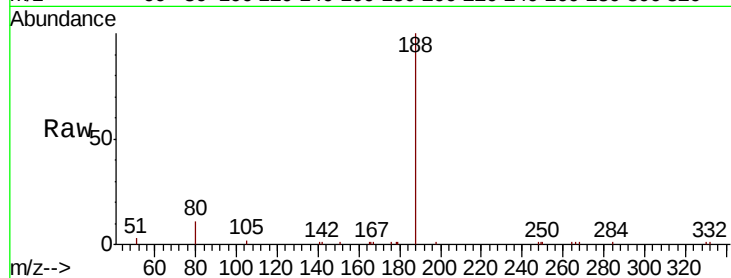
ClientSampleId :

PB126102BSD

Tot Ion:	188	Resp:	17130
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.5	10.8	16.2

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#20

4-Bromophenyl-phenylether

Concen: 0.326 ng

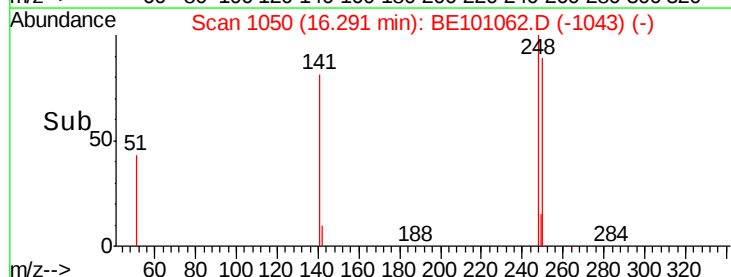
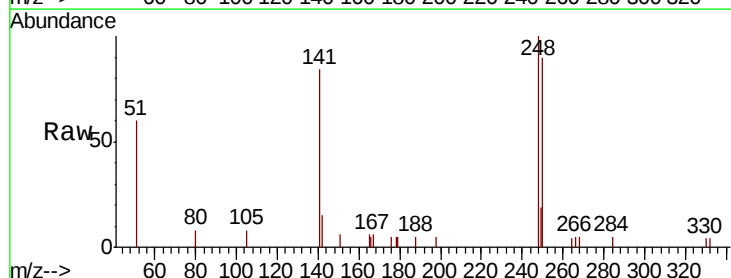
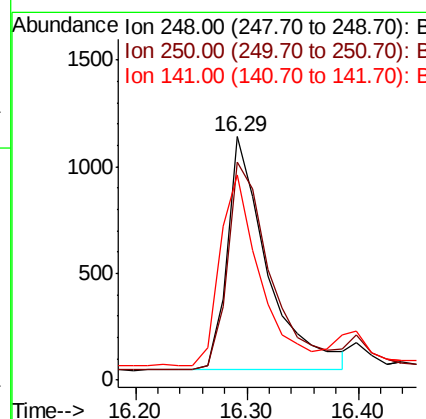
RT: 16.29 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Tgt Ion:	248	Resp:	2724
Ion Ratio	Lower	Upper	
248	100		
250	89.7	76.6	115.0
141	84.2	57.7	86.5





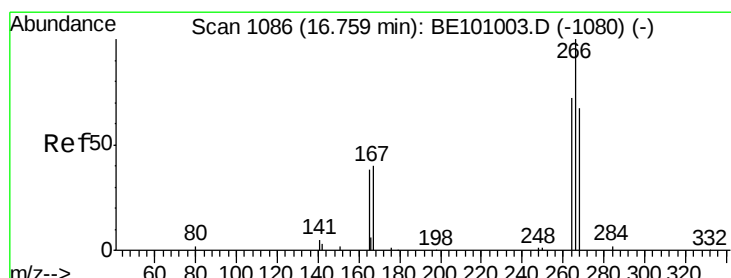
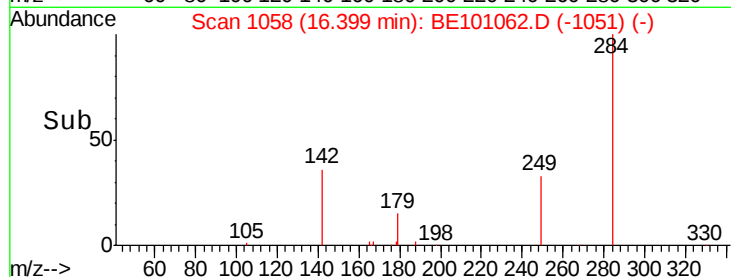
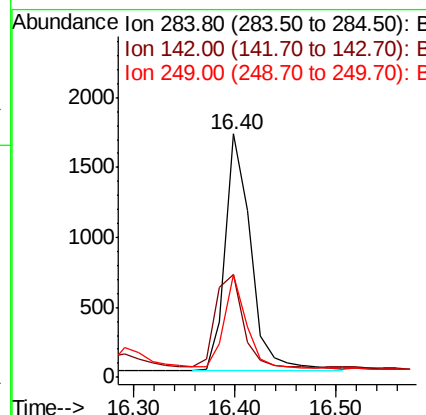
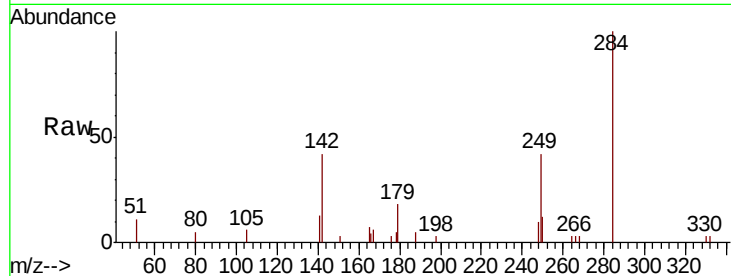
#21
Hexachlorobenzene
Concen: 0.322 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

Instrument :
BNA_E
ClientSampleId :
PB126102BSD

Tot Ion:	284	Resp:	2948
Ion Ratio	Lower	Upper	
284	100		
142	42.6	34.0	51.0
249	34.8	28.2	42.4

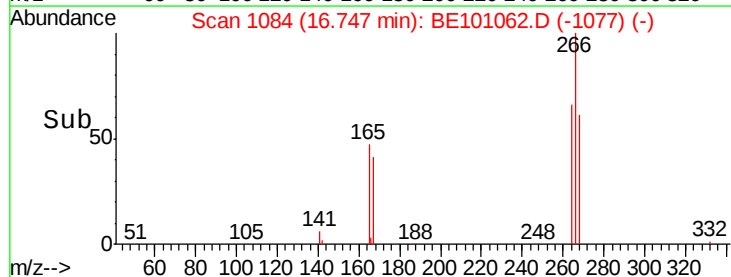
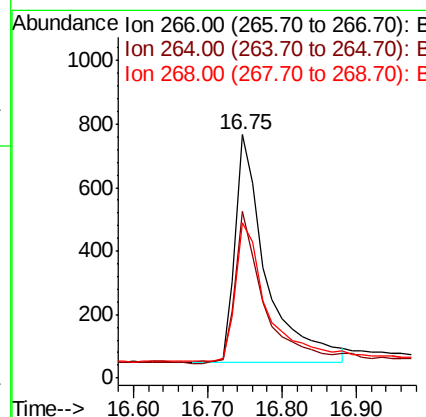
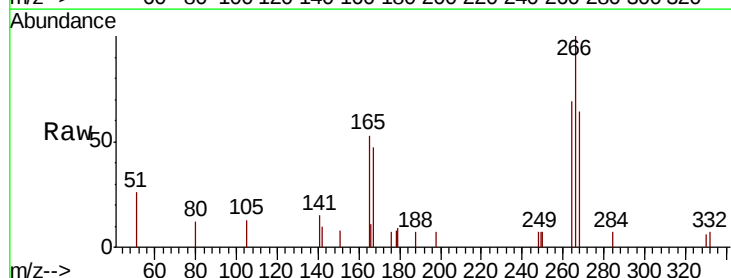
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#22
Pentachlorophenol
Concen: 0.896 ng
RT: 16.75 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

Tgt Ion:	266	Resp:	2071
Ion Ratio	Lower	Upper	
266	100		
264	68.7	61.0	91.4
268	63.6	58.5	87.7





#23

Phenanthrene

Concen: 0.331 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Instrument :

BNA_E

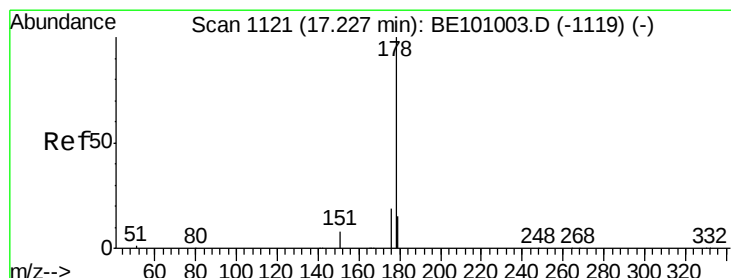
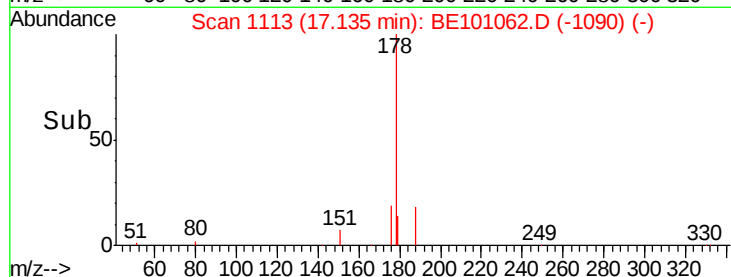
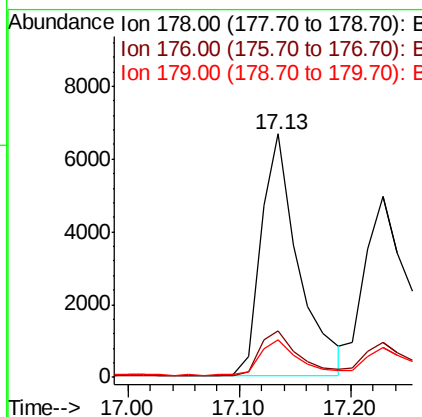
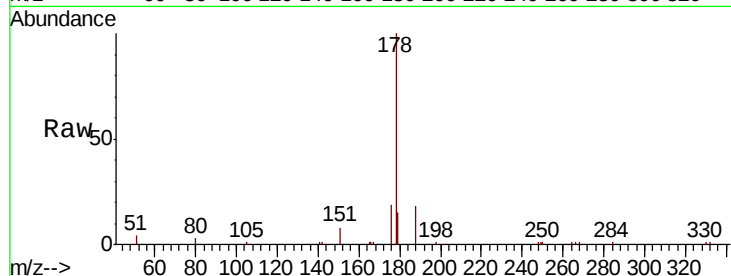
ClientSampleId :

PB126102BSD

Tot Ion:178	Resp:	15492
Ion Ratio	Lower	Upper
178	100	
176	19.4	15.7 23.5
179	15.0	12.0 18.0

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#24

Anthracene

Concen: 0.370 ng

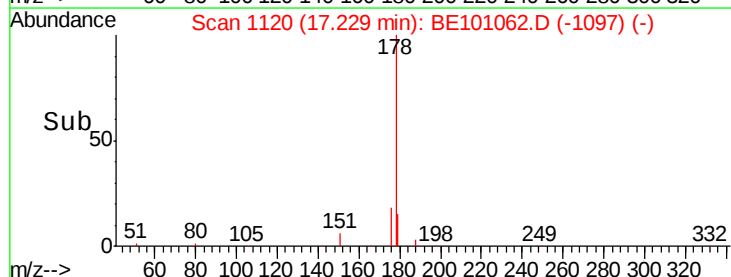
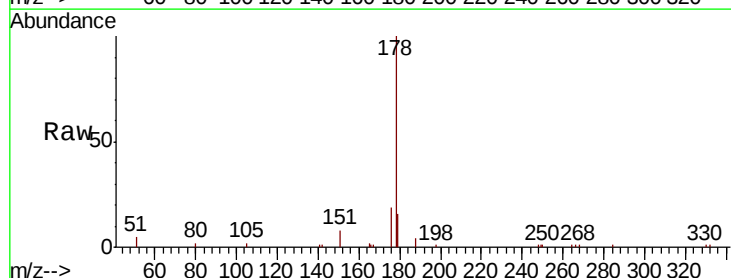
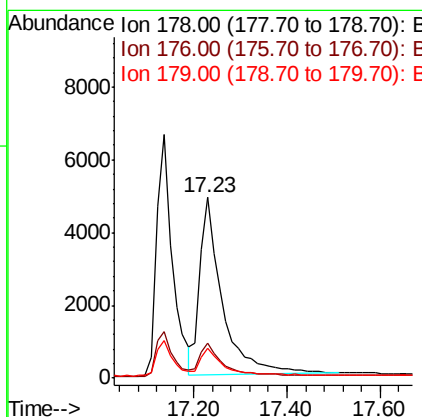
RT: 17.23 min Scan# 1120

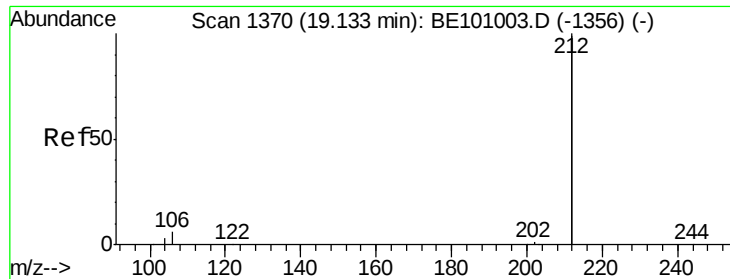
Delta R.T. 0.00 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Tgt Ion:178	Resp:	16340
Ion Ratio	Lower	Upper
178	100	
176	18.2	14.8 22.2
179	15.3	12.4 18.6





#25

Fluoranthene-d10

Concen: 0.327 ng

RT: 19.13 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Instrument :

BNA_E

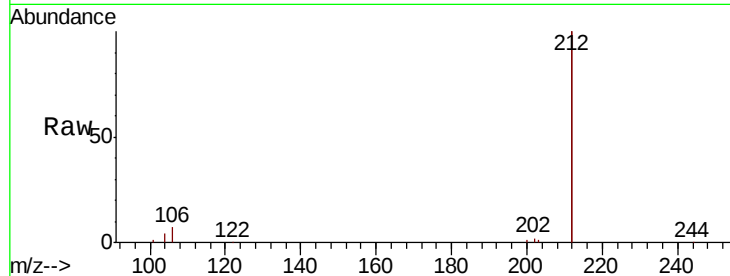
ClientSampleId :

PB126102BSD

Tot Ion:	212	Resp:	77712
Ion Ratio	Lower	Upper	
212	100		
106	3.3	2.6	3.8
104	1.8	1.4	2.0

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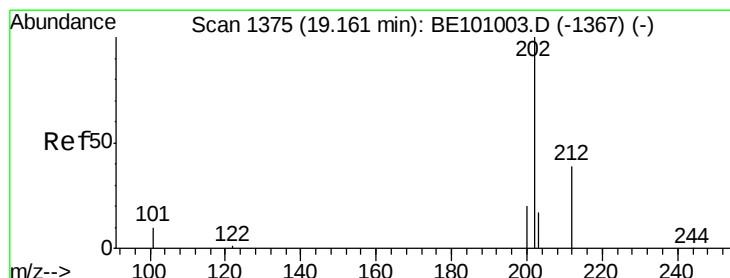
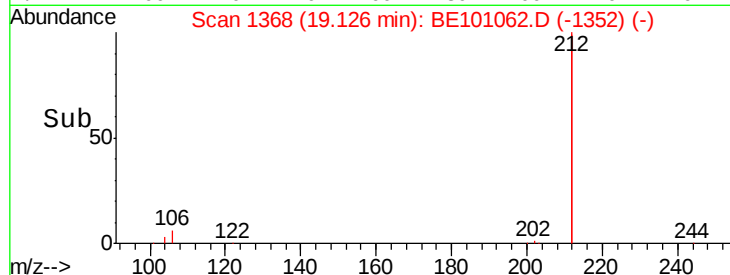
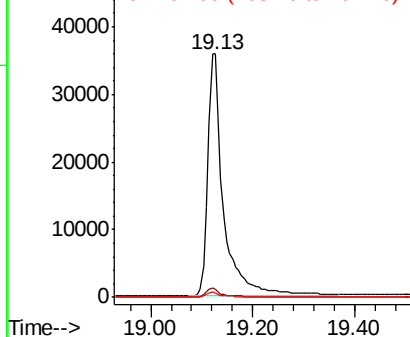


Abundance

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: 0.340 ng

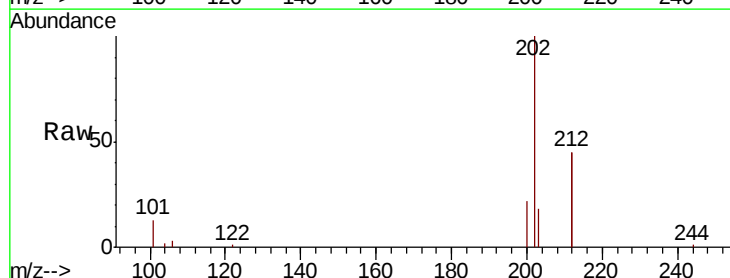
RT: 19.15 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Tgt Ion:	202	Resp:	19911
Ion Ratio	Lower	Upper	
202	100		
101	12.1	9.6	14.4
203	16.6	13.8	20.6

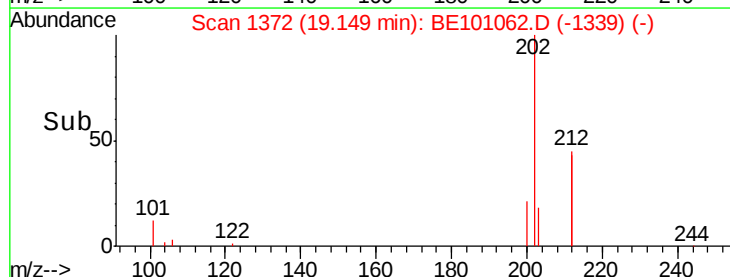
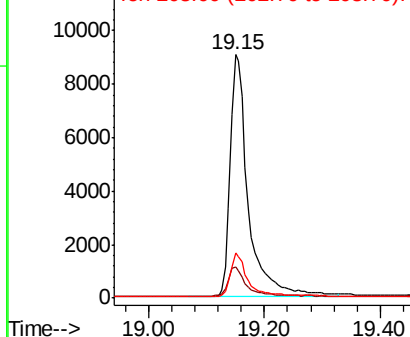


Abundance

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





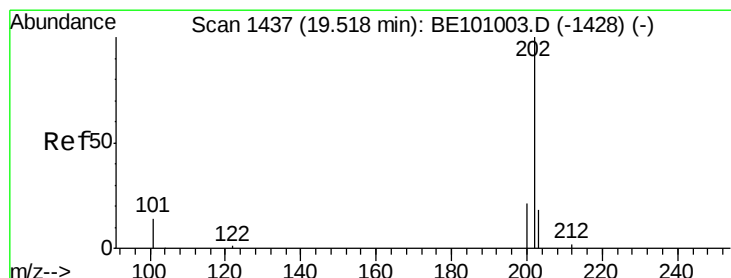
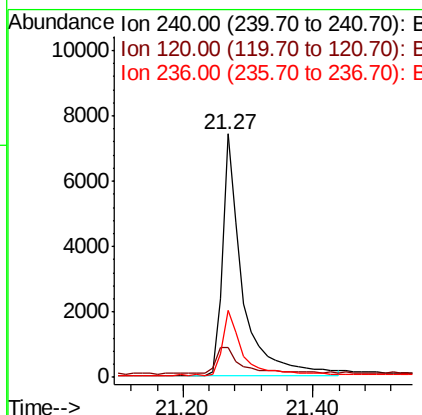
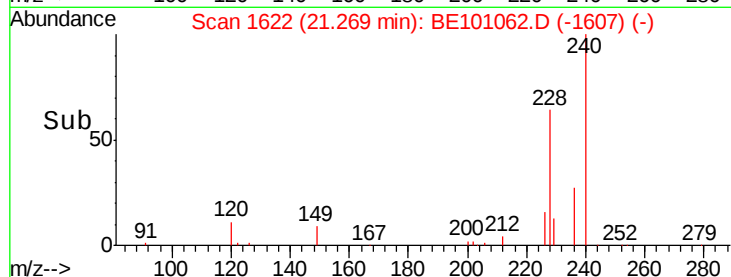
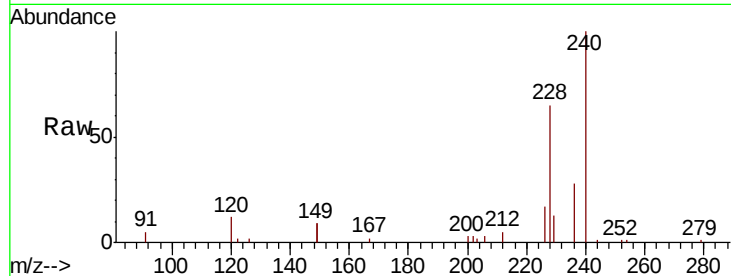
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

Instrument :
BNA_E
ClientSampleID :
PB126102BSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.6	13.0
236	27.6	22.2	33.4

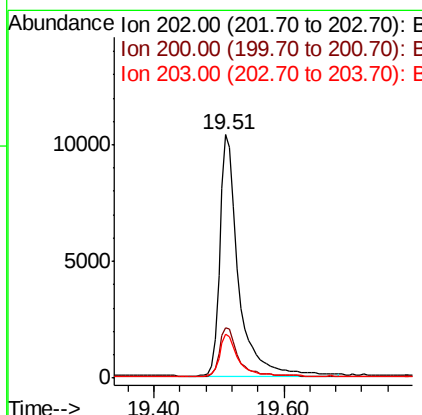
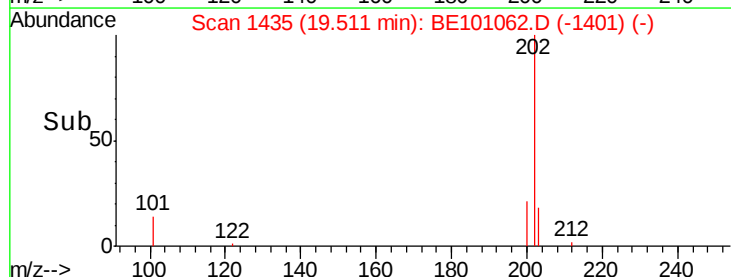
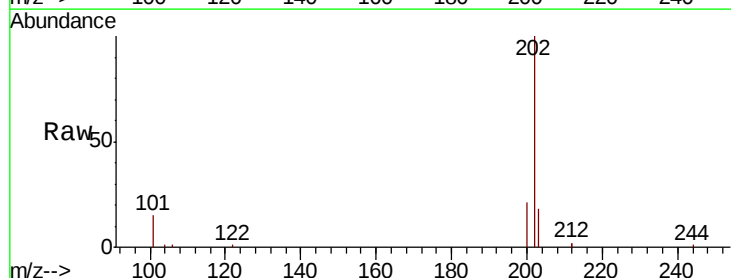
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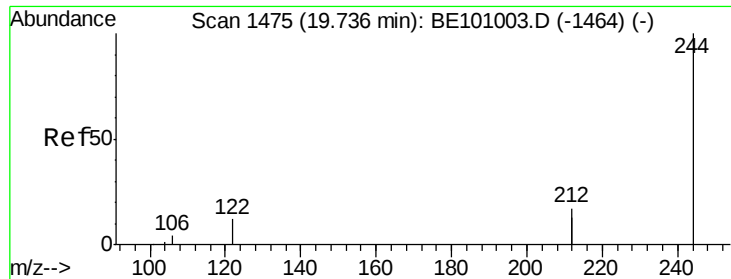
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#28
Pyrene
Concen: 0.351 ng
RT: 19.51 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	17.6	13.8	20.6





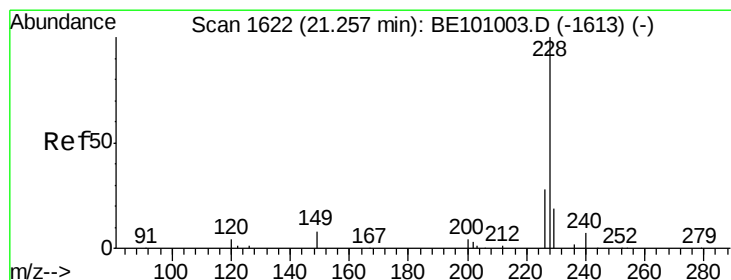
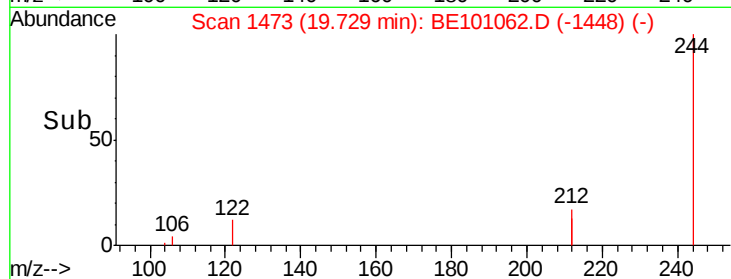
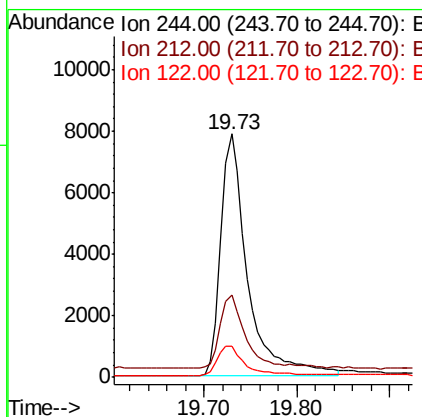
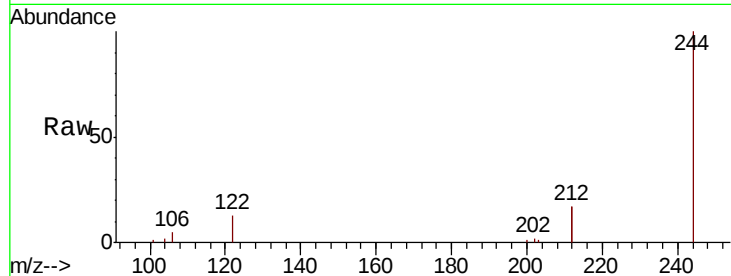
#29
 Terphenyl-d14
 Concen: 0.405 ng
 RT: 19.73 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: BE101062.D
 Acq: 15 Jan 2020 17:52

Instrument :
 BNA_E
 ClientSampleId :
 PB126102BSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	33.9	27.2	40.8
122	12.5	9.8	14.8

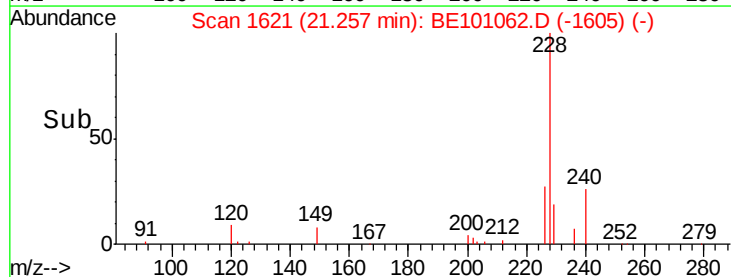
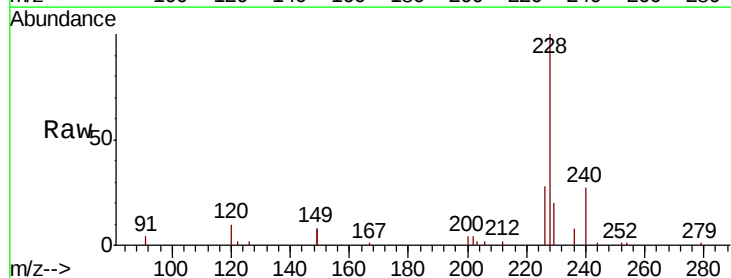
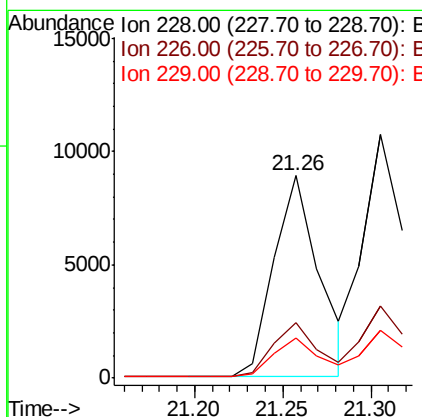
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#30
 Benzo(a)anthracene
 Concen: 0.351 ng
 RT: 21.26 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: BE101062.D
 Acq: 15 Jan 2020 17:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.7	34.1
229	19.9	15.5	23.3





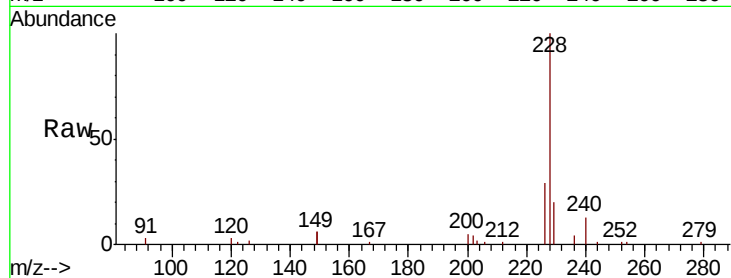
#31
Chrvsene
Concen: 0.362 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

Instrument :
BNA_E
ClientSampleId :
PB126102BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.5	35.3
229	19.7	16.7	25.1

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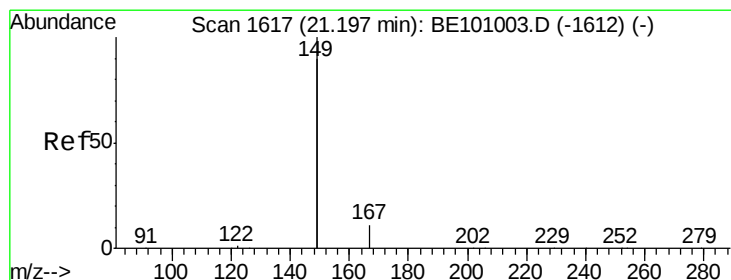
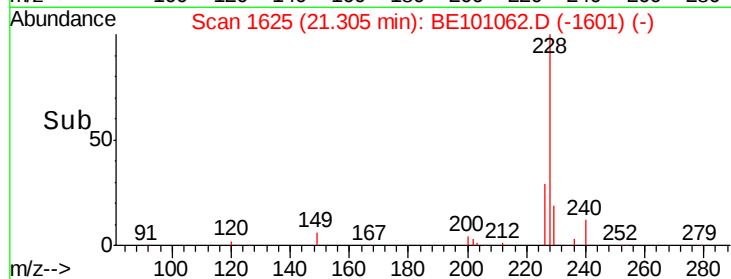
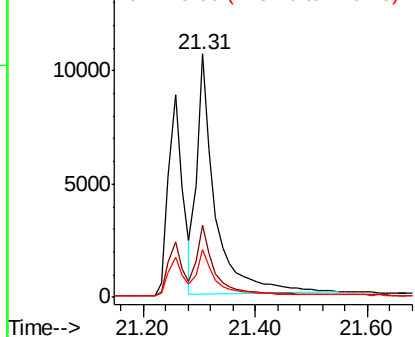


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.477 ng
RT: 21.20 min Scan# 1616
Delta R.T. -0.00 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

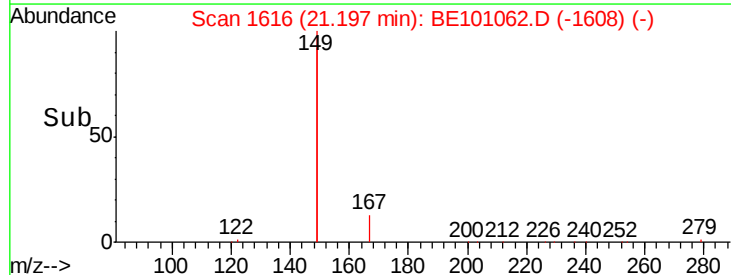
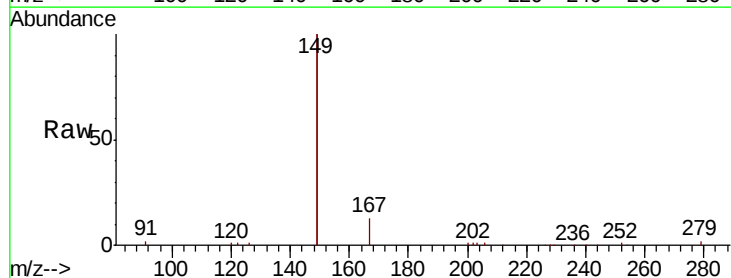
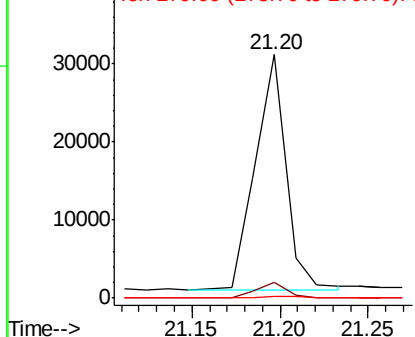
Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.2	5.2	7.8
279	0.8	0.8	1.2

Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





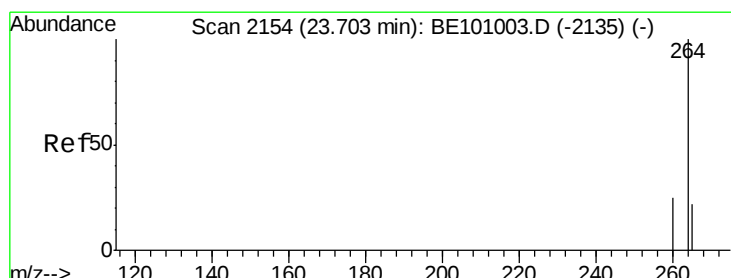
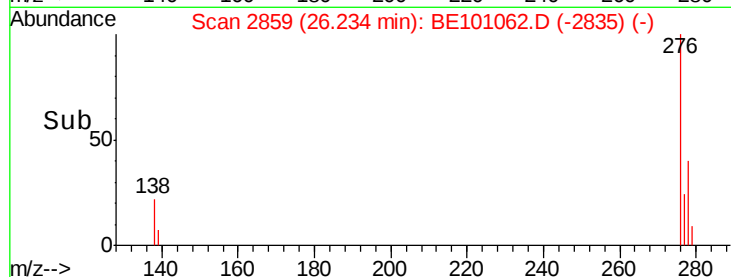
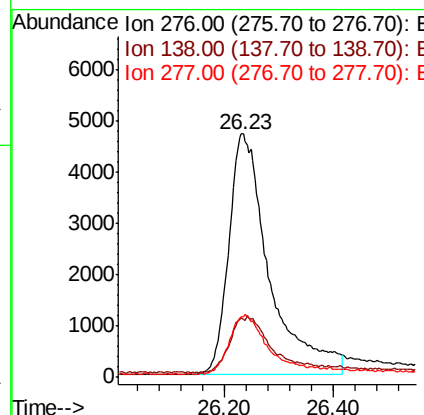
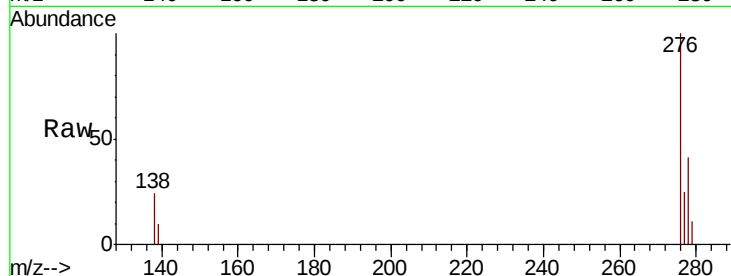
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.457 ng
 RT: 26.23 min Scan# 2859
 Delta R.T. -0.01 min
 Lab File: BE101062.D
 Acq: 15 Jan 2020 17:52

Instrument :
 BNA_E
 ClientSampleId :
 PB126102BSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.1	16.1	24.1
277	23.2	18.1	27.1

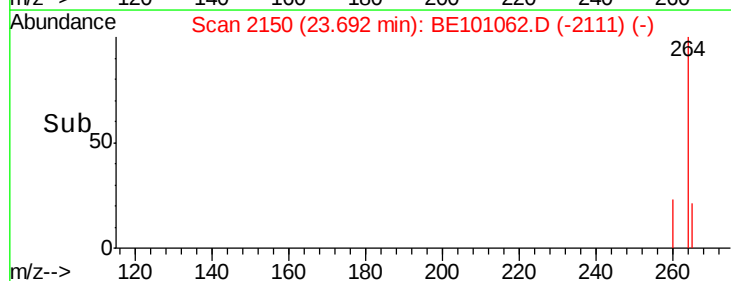
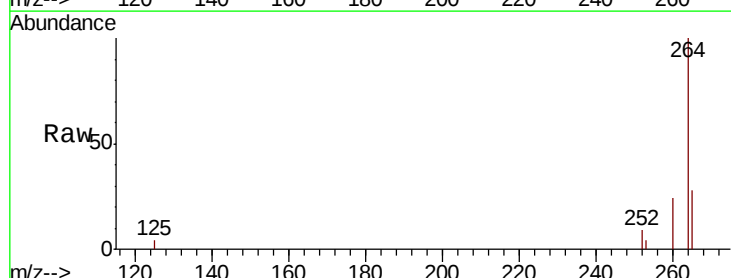
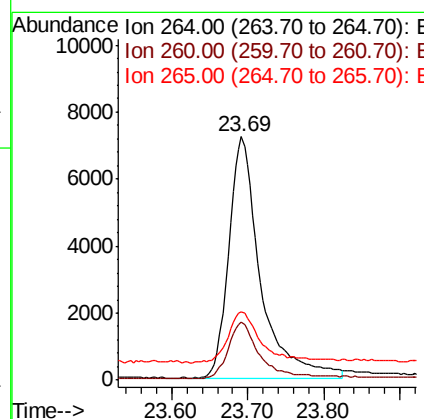
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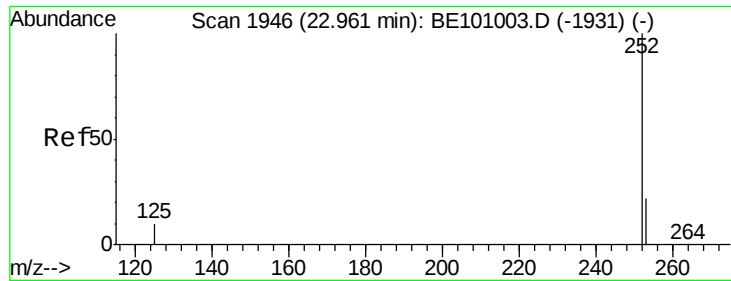
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.69 min Scan# 2150
 Delta R.T. -0.01 min
 Lab File: BE101062.D
 Acq: 15 Jan 2020 17:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	20.3	30.5
265	28.3	27.0	40.4





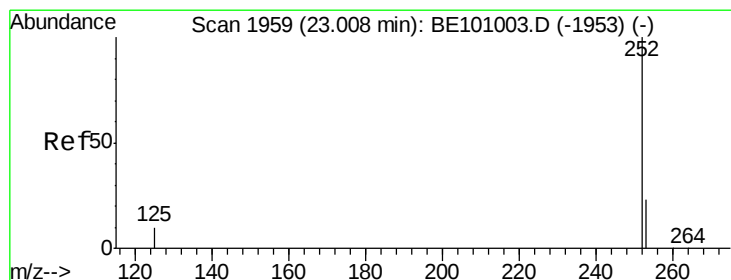
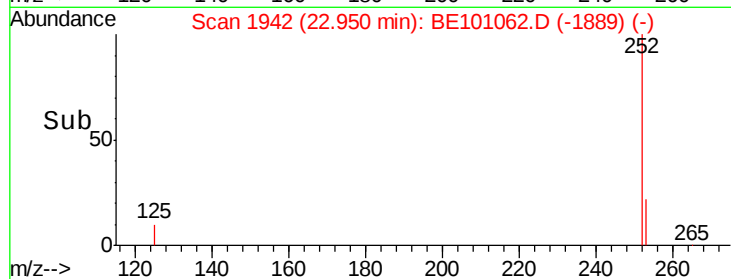
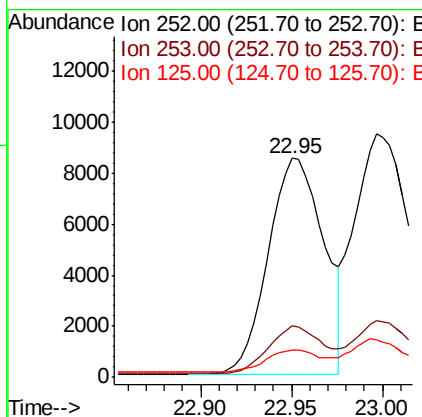
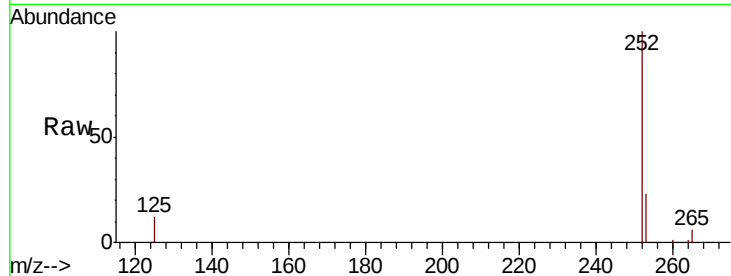
#35
Benzo(b)fluoranthene
Concen: 0.309 ng
RT: 22.95 min Scan# 1942
Delta R.T. -0.01 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

Instrument :
BNA_E
ClientSampleId :
PB126102BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.5	27.7
125	12.3	9.5	14.3

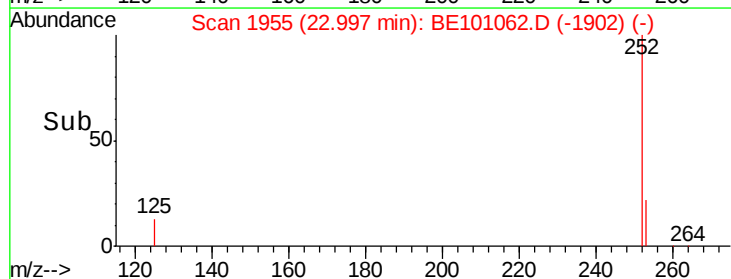
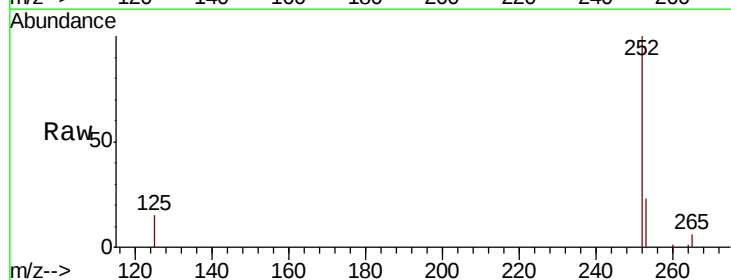
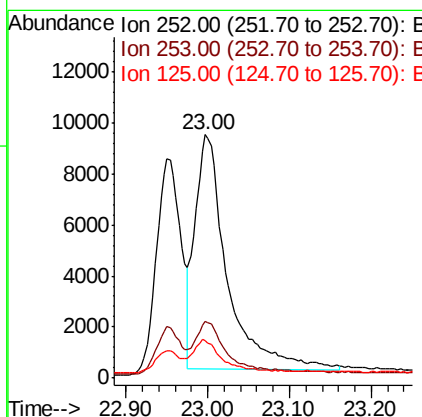
Manual Integrations
APPROVED

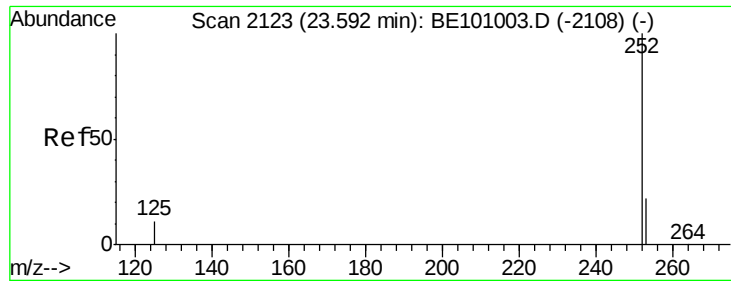
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#36
Benzo(k)fluoranthene
Concen: 0.301 ng m
RT: 23.00 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BE101062.D
Acq: 15 Jan 2020 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.9	28.3
125	15.3	10.1	15.1#





#37

Benzo(a)pyrene

Concen: 0.371 ng

RT: 23.58 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

Instrument :

BNA_E

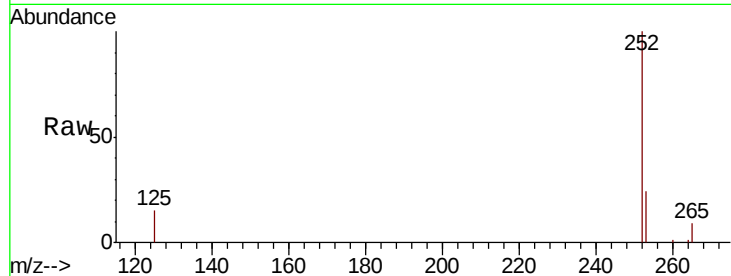
ClientSampleId :

PB126102BSD

Tot Ion:	252	Resp:	20799
Ion Ratio	Lower	Upper	
252	100		
253	23.8	19.4	29.2
125	14.6	11.8	17.6

Manual Integrations
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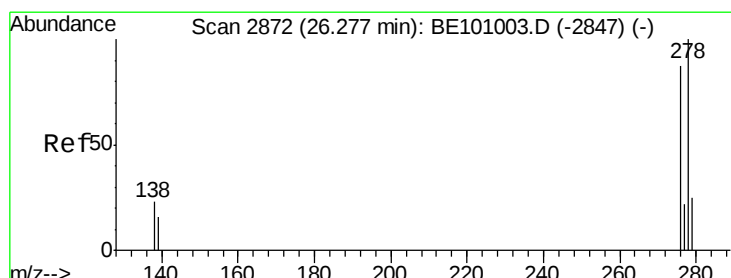
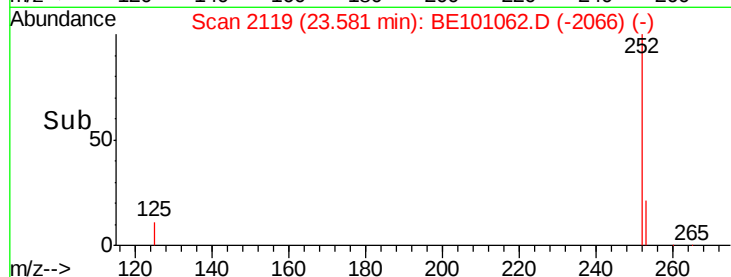
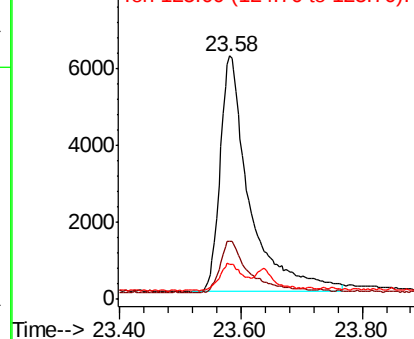


Abundance

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: 0.352 ng

RT: 26.26 min Scan# 2866

Delta R.T. -0.02 min

Lab File: BE101062.D

Acq: 15 Jan 2020 17:52

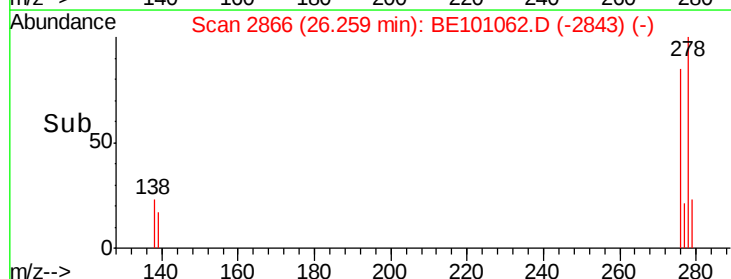
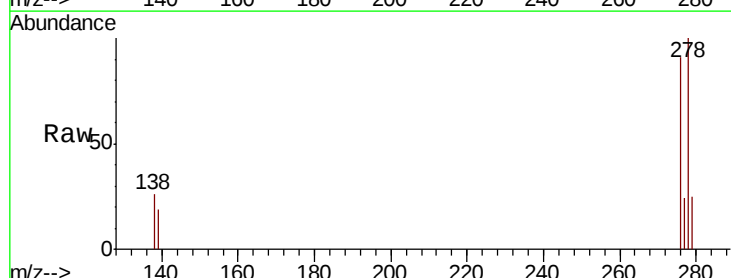
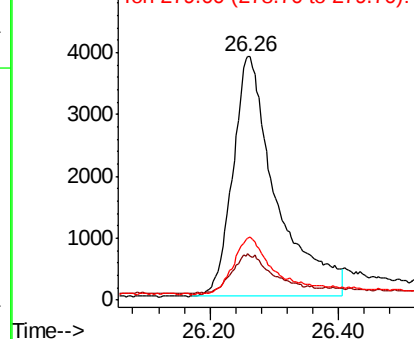
Tgt Ion:	278	Resp:	18156
Ion Ratio	Lower	Upper	
278	100		
139	19.2	15.0	22.4
279	25.4	22.6	33.8

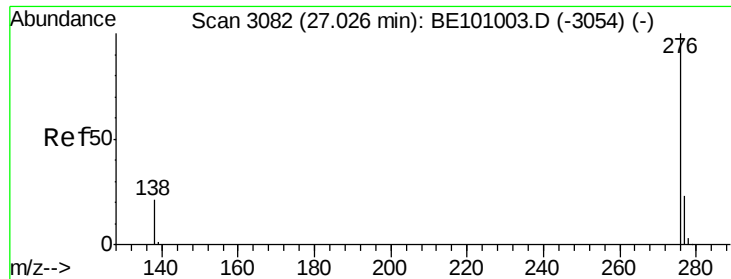
Abundance

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





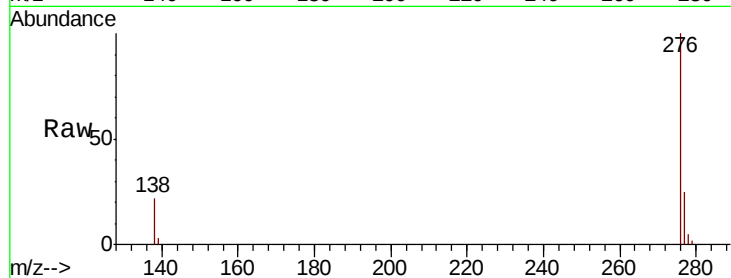
#39
 Benzo(a,h,i)perylene
 Concen: 0.355 ng
 RT: 27.00 min Scan# 3075
 Delta R.T. -0.02 min
 Lab File: BE101062.D
 Acq: 15 Jan 2020 17:52

Instrument :
 BNA_E
 ClientSampleId :
 PB126102BSD

Tot Ion:	276	Resp:	22539
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.4	29.2
138	22.2	17.9	26.9

Manual Integrations
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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

