

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020718\
 Data File : BE095551.D
 Acq On : 7 Feb 2018 13:30
 Operator : SJ/JU
 Sample : J1161-03
 Misc : MDL 0.1ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Manual Integrations
 APPROVED

Sohil
 2/8/2018 3:49:29 PM

Quant Time: Feb 08 02:01:46 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 20:27:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1373	0.40	ng	0.00
7) Naphthalene-d8	11.28	136	5521	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3178	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7562	0.40	ng	0.00
27) Chrysene-d12	21.79	240	7754	0.40	ng	0.00
34) Perylene-d12	24.43	264	7169	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	1209	0.29	ng	0.00
5) Phenol-d6	7.56	99	1600	0.28	ng	0.00
8) Nitrobenzene-d5	9.61	82	1649	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	2590	0.28	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	319	0.22	ng	0.00
15) 2-Fluorobiphenyl	13.65	172	4067	0.30	ng	0.00
25) Fluoranthene-d10	19.69	212	27819	0.28	ng	0.00
29) Terphenyl-d14	20.25	244	4812	0.29	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.65	88	266	0.117	ng	Qvalue 90
3) n-Nitrosodimethylamine	4.01	42	210	0.073	ng	# 83
6) bis(2-Chloroethyl)ether	7.83	93	459	0.087	ng	93
9) Naphthalene	11.33	128	5547	0.087	ng	# 97
10) Hexachlorobutadiene	11.58	225	279	0.081	ng	95
12) 2-Methylnaphthalene	12.88	142	932	0.086	ng	93
16) Acenaphthylene	14.74	152	1488	0.082	ng	98
17) Acenaphthene	15.06	154	965	0.086	ng	94
18) Fluorene	16.02	166	1238	0.087	ng	# 79
20) 4-Bromophenyl-phenylether	16.91	248	384	0.084	ng	# 68
21) Hexachlorobenzene	17.03	284	415	0.088	ng	# 88
22) Pentachlorophenol	17.37	266	69	0.198	ng	92
23) Phenanthrene	17.74	178	2052m	0.088	ng	
24) Anthracene	17.83	178	1760	0.081	ng	# 94
26) Fluoranthene	19.71	202	2529	0.086	ng	98
28) Pyrene	20.06	202	2747	0.084	ng	98
30) Benzo(a)anthracene	21.78	228	2264	0.088	ng	99
31) Chrysene	21.84	228	2282	0.090	ng	95
32) Bis(2-ethylhexyl)phthalate	21.65	149	5021	0.084	ng	100
33) Indeno(1,2,3-cd)pyrene	27.24	276	1998	0.081	ng	# 92
35) Benzo(b)fluoranthene	23.61	252	2081	0.085	ng	92
36) Benzo(k)fluoranthene	23.67	252	2109m	0.084	ng	
37) Benzo(a)pyrene	24.31	252	1859	0.082	ng	# 85
38) Dibenzo(a,h)anthracene	27.26	278	1583	0.079	ng	# 84
39) Benzo(g,h,i)perylene	28.11	276	1799	0.084	ng	# 82

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

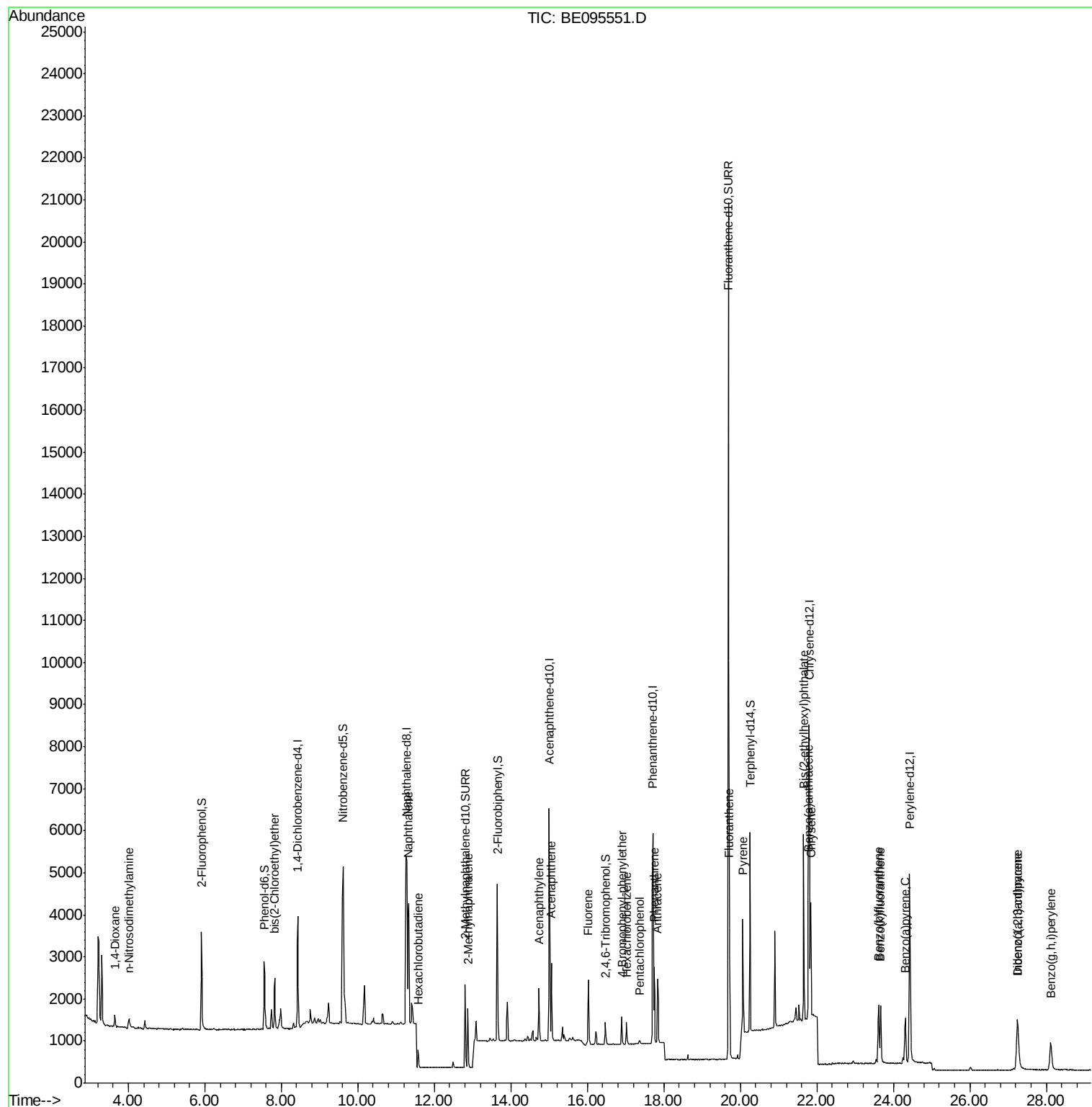
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020718\
Data File : BE095551.D
Acq On : 7 Feb 2018 13:30
Operator : SJ/JU
Sample : J1161-03
Misc : MDL 0.1ppm
ALS Vial : 8 Sample Multiplier: 1

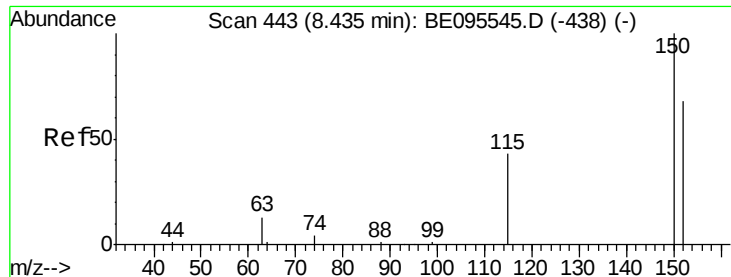
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT1-2018

Manual Integrations
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Quant Time: Feb 08 02:01:46 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 20:27:34 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.43 min Scan# 443

Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:152 Resp: 1373

Ion Ratio Lower Upper

152 100

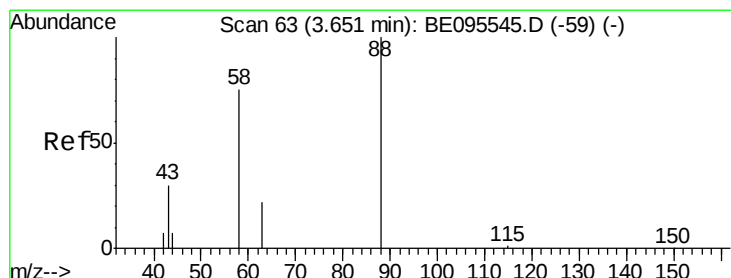
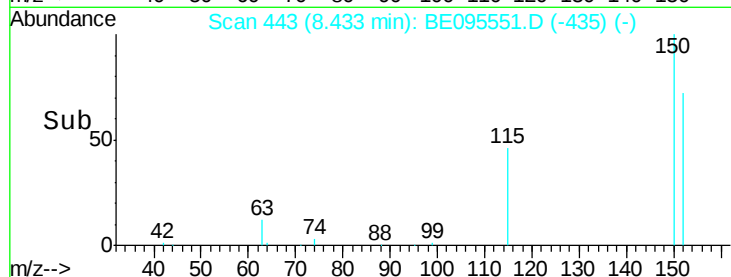
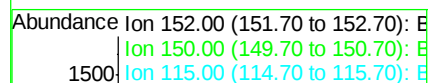
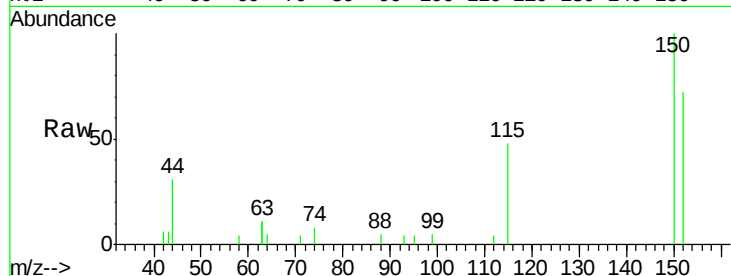
150 138.8 117.2 175.8

115 66.2 57.0 85.6

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#2

1,4-Dioxane

Concen: 0.117 ng

RT: 3.65 min Scan# 63

Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

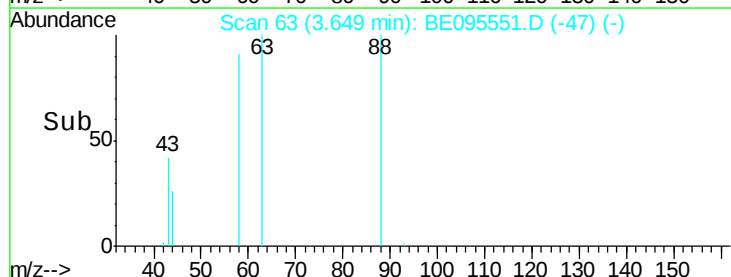
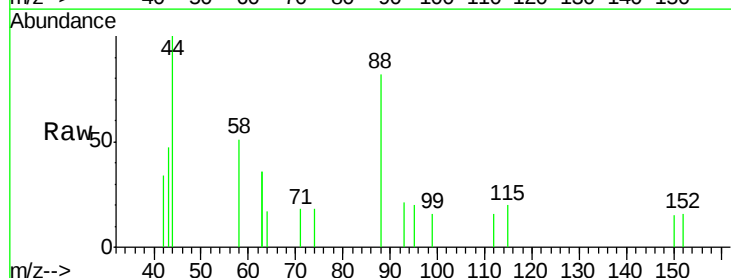
Tgt Ion: 88 Resp: 266

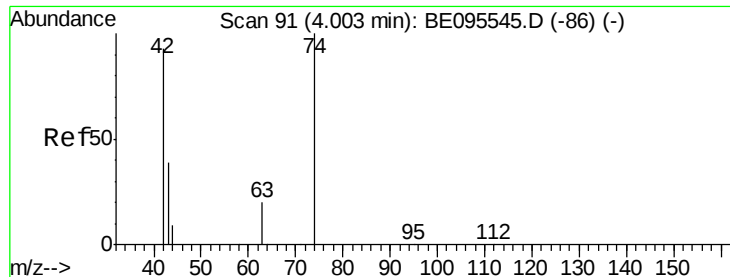
Ion Ratio Lower Upper

88 100

58 68.4 63.2 94.8

43 45.9 41.2 61.8





#3

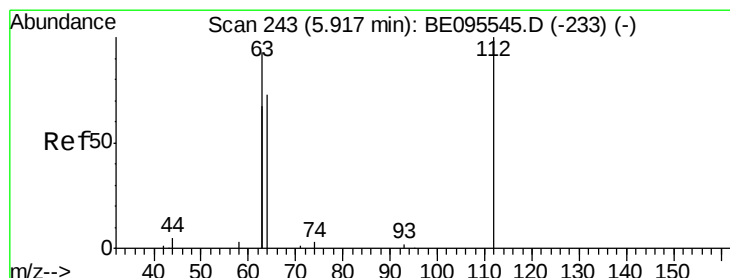
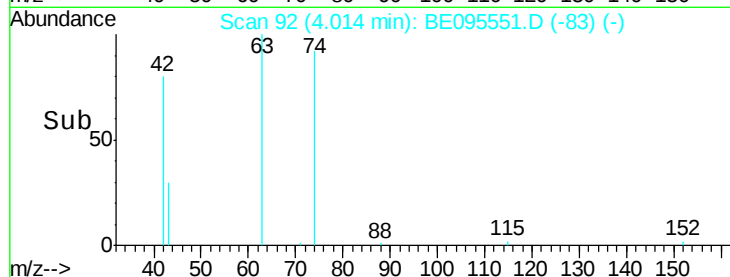
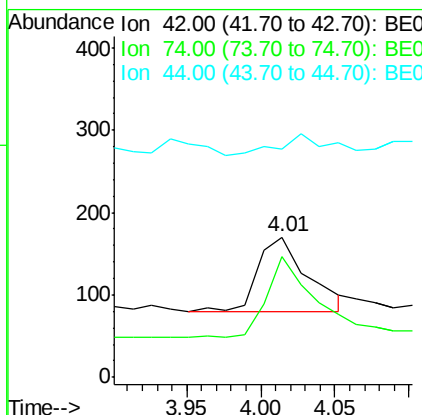
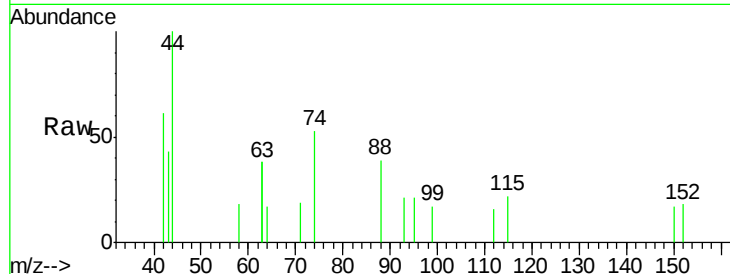
n-Nitrosodimethylamine
 Concen: 0.073 ng
 RT: 4.01 min Scan# 92
 Delta R.T. 0.01 min
 Lab File: BE095551.D
 Acq: 7 Feb 2018 13:30

Instrument :
 BNA_E
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
42	100		
74	100.5	96.0	144.0
44	21.4	12.0	18.0#

Manual Integrations
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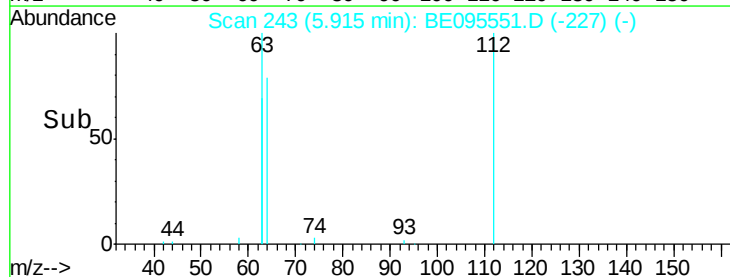
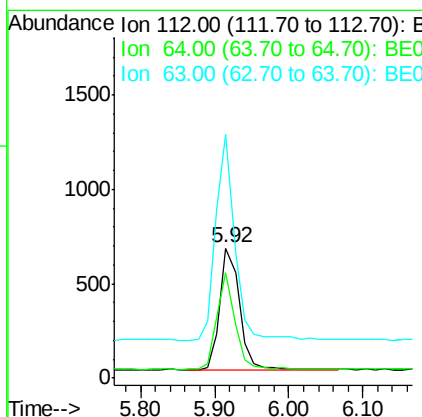
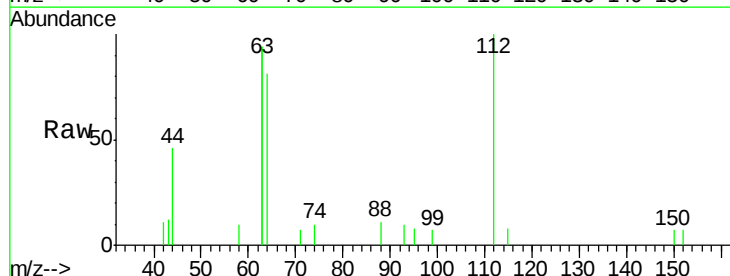
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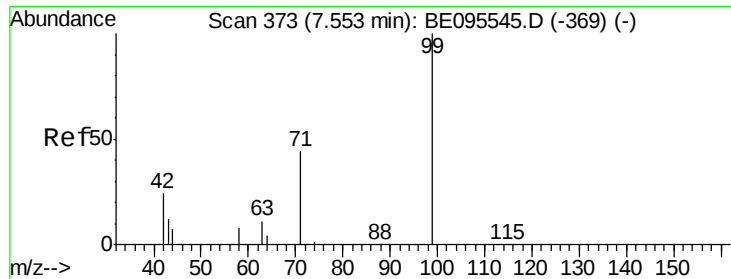


#4

2-Fluorophenol
 Concen: 0.292 ng
 RT: 5.92 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: BE095551.D
 Acq: 7 Feb 2018 13:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.6	60.1	90.1
63	164.4	116.8	175.2





#5

Phenol-d6

Concen: 0.279 ng

RT: 7.56 min Scan# 374

Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Instrument :

BNA_E

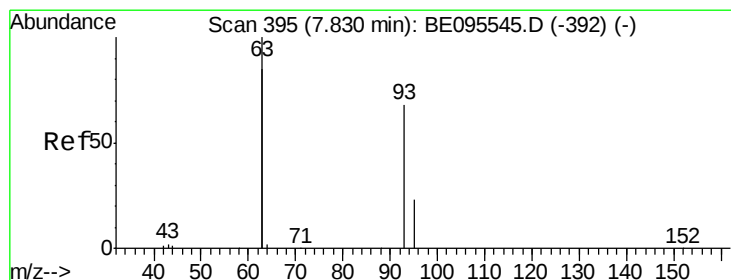
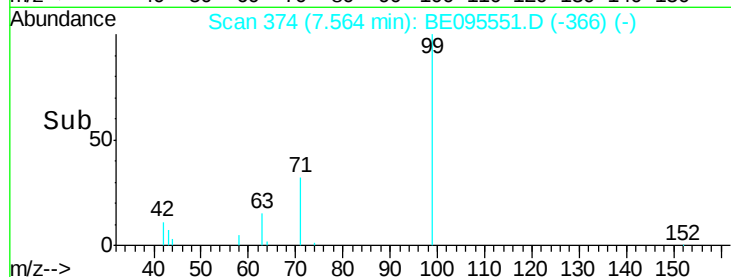
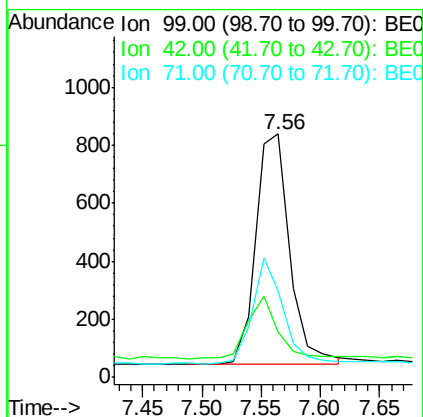
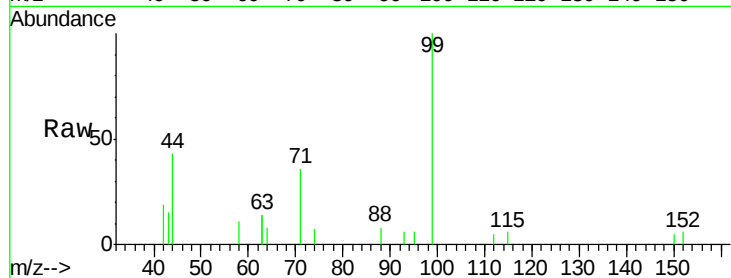
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:	99	Resp:	1600
Ion	Ratio	Lower	Upper
99	100		
42	24.6	20.2	30.2
71	41.3	28.4	42.6

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#6

bis(2-Chloroethyl)ether

Concen: 0.087 ng

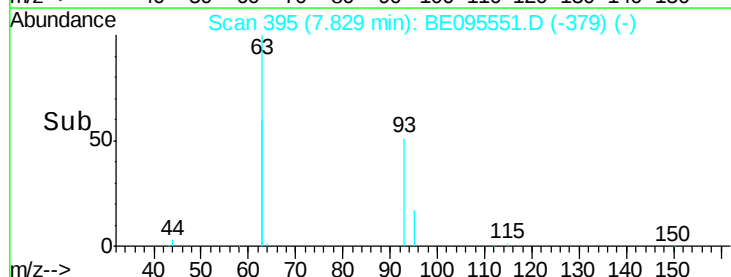
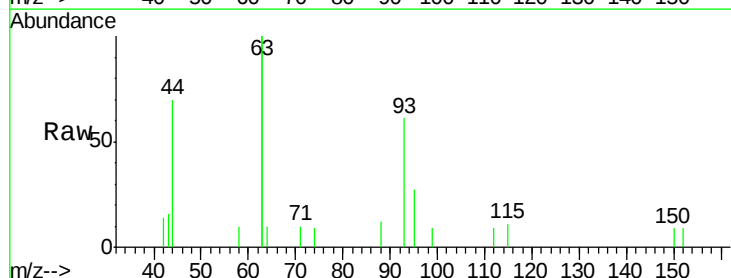
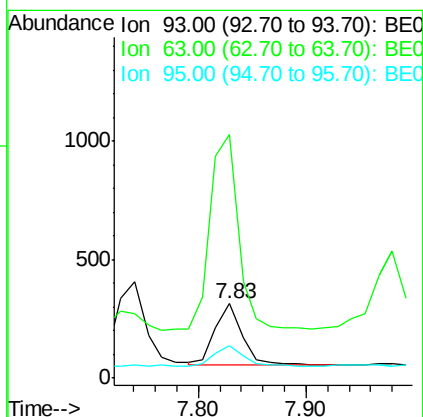
RT: 7.83 min Scan# 395

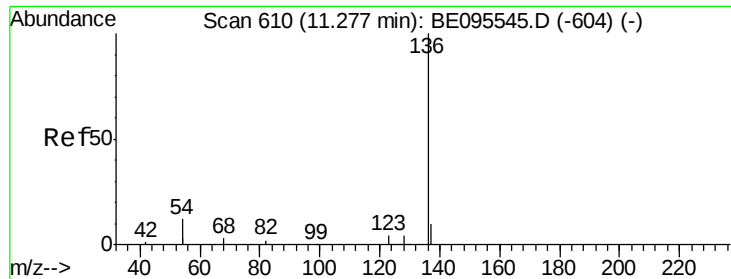
Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Tgt Ion:	93	Resp:	459
Ion	Ratio	Lower	Upper
93	100		
63	329.4	275.3	412.9
95	35.7	25.2	37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.28 min Scan# 610

Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Instrument :

BNA_E

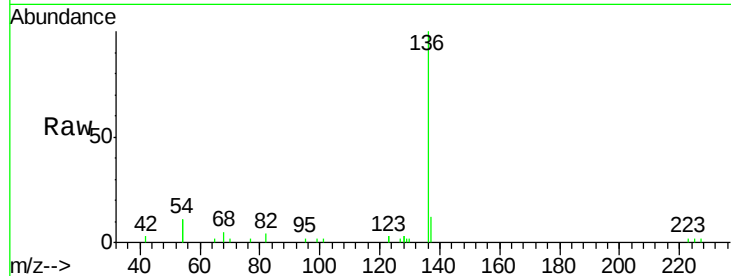
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	22.6	29.1	43.7
68	5.0	6.2	9.2

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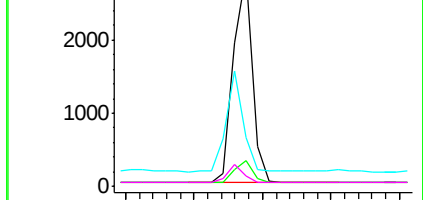


Abundance Ion 136.00 (135.70 to 136.70): E

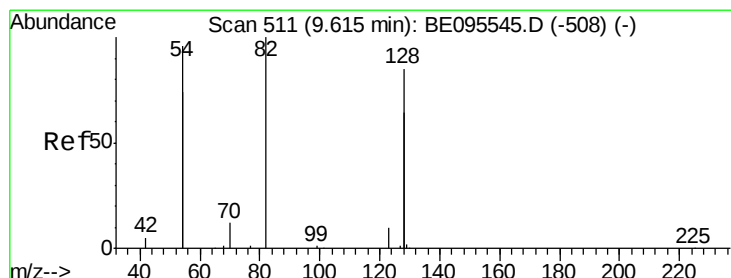
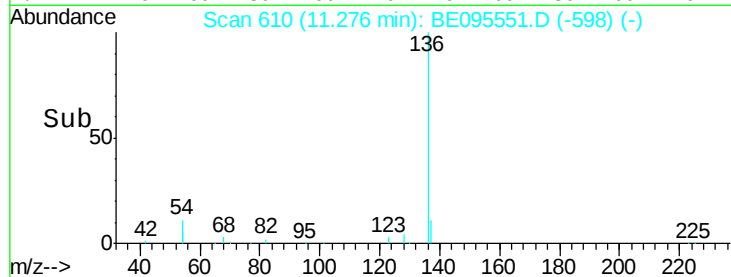
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.282 ng

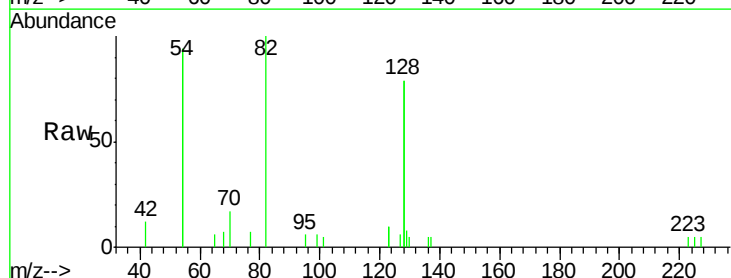
RT: 9.61 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

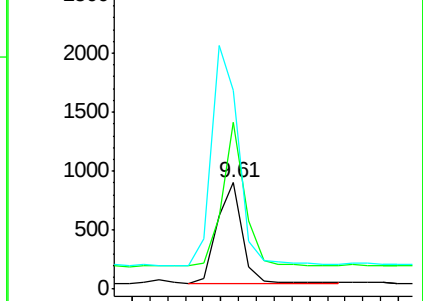
Tgt Ion	Ratio	Lower	Upper
82	100		
128	157.3	150.0	225.0
54	187.1	154.2	231.4



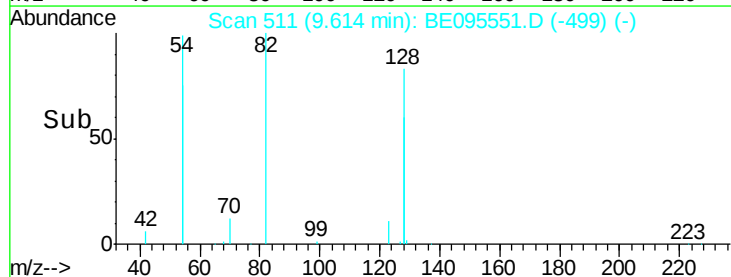
Abundance Ion 82.00 (81.70 to 82.70): BE0

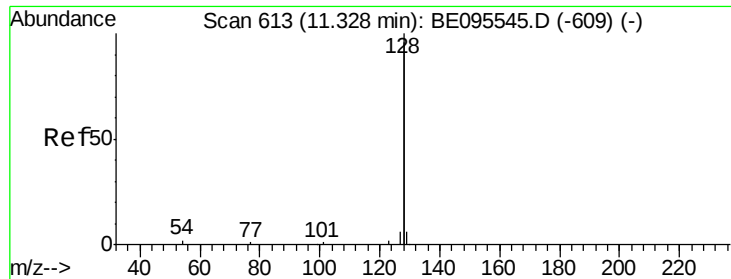
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->





#9

Naphthalene

Concen: 0.087 ng

RT: 11.33 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Instrument :

BNA_E

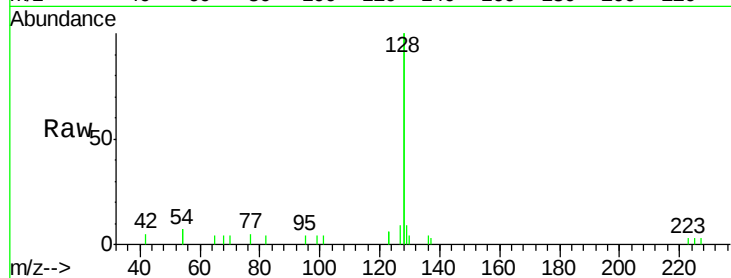
ClientSampleId :

MDL-SOIL-03-QT1-2018

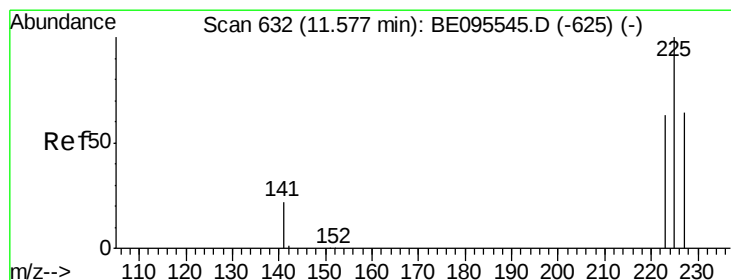
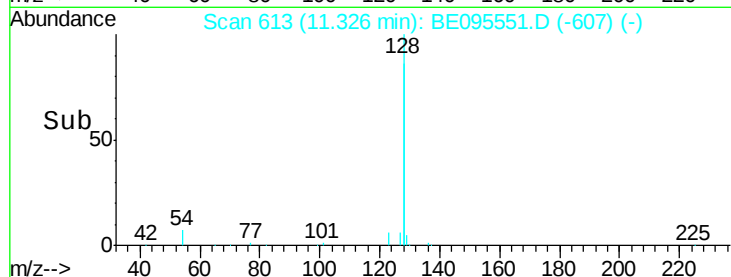
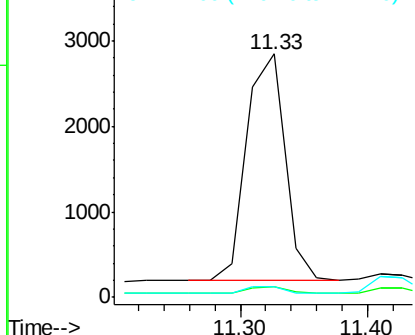
Tot Ion:	128	Resp:	5547
Ion Ratio	Lower	Upper	
128	100		
129	4.4	2.6	3.8#
127	4.5	2.8	4.2#

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.081 ng

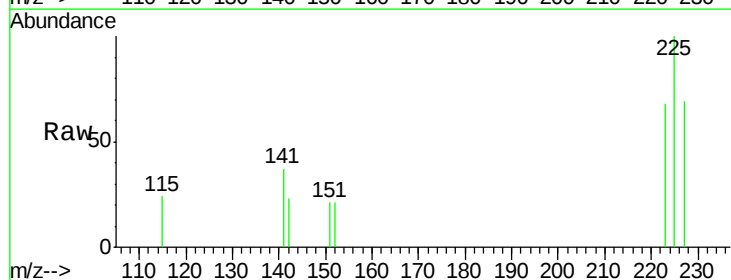
RT: 11.58 min Scan# 632

Delta R.T. -0.00 min

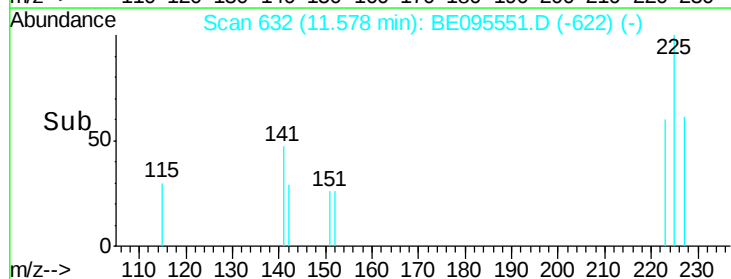
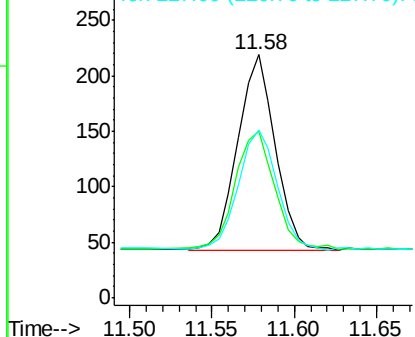
Lab File: BE095551.D

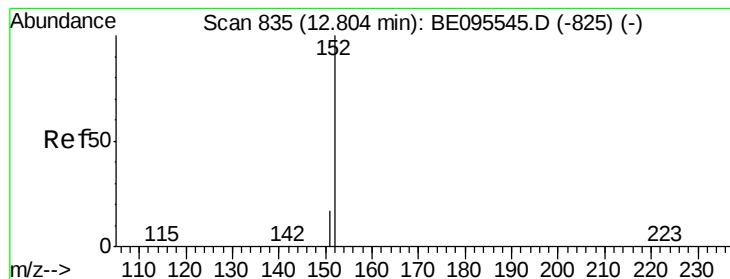
Acq: 7 Feb 2018 13:30

Tgt Ion:	225	Resp:	279
Ion Ratio	Lower	Upper	
225	100		
223	74.2	53.0	79.6
227	64.2	51.4	77.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





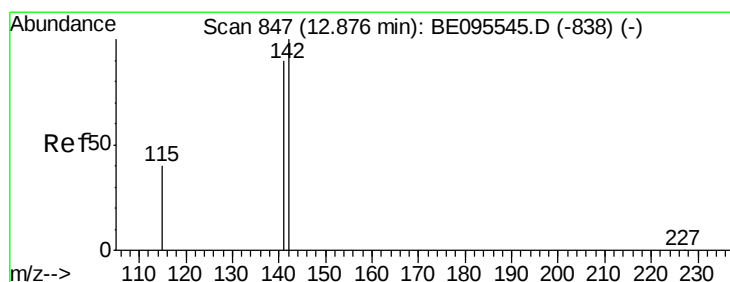
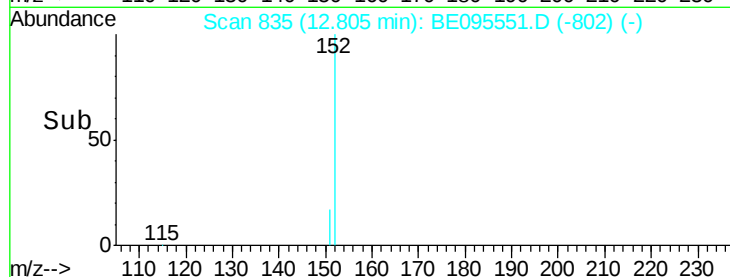
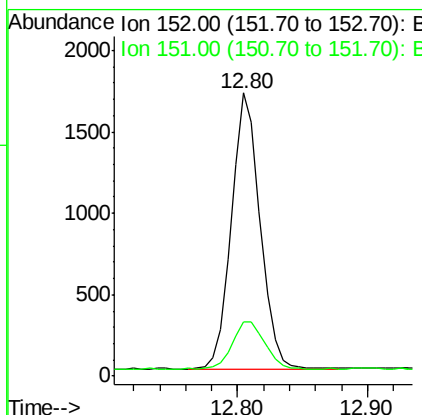
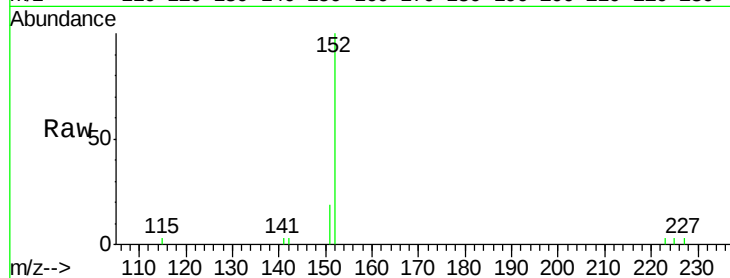
#11
2-Methylnaphthalene-d10
Concen: 0.283 ng
RT: 12.80 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE095551.D
Acq: 7 Feb 2018 13:30

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.4	23.0

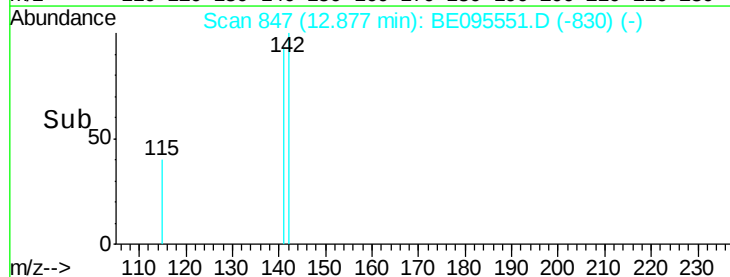
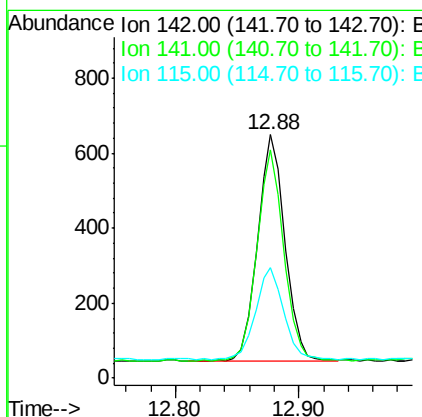
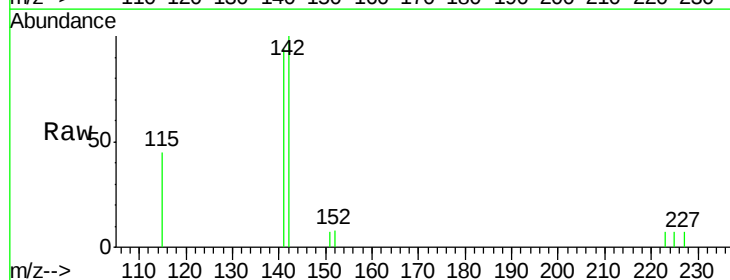
Manual Integrations
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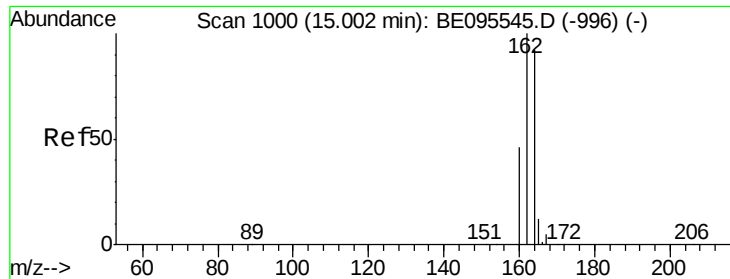
Sohil
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#12
2-Methylnaphthalene
Concen: 0.086 ng
RT: 12.88 min Scan# 847
Delta R.T. -0.00 min
Lab File: BE095551.D
Acq: 7 Feb 2018 13:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.8	70.4	105.6
115	45.3	31.7	47.5





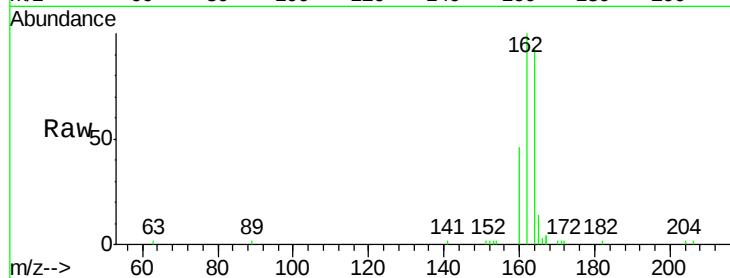
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.00 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE095551.D
Acq: 7 Feb 2018 13:30

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT1-2018

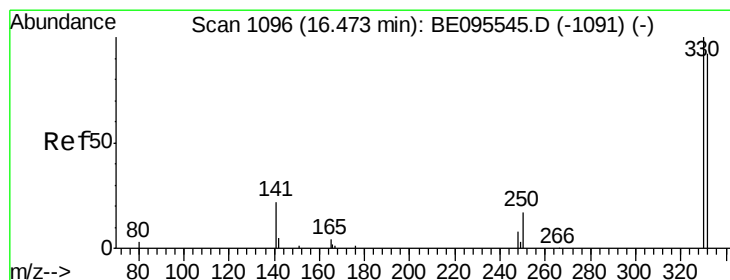
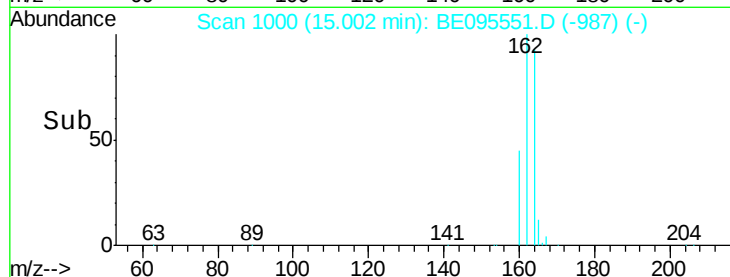
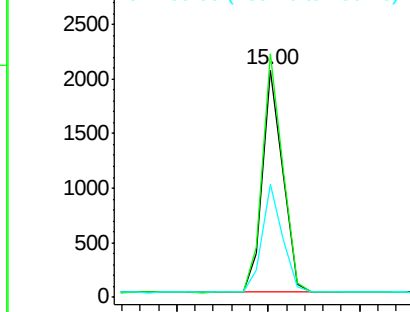
Tot Ion	Ratio	Lower	Upper
164	100		
162	107.1	83.1	124.7
160	49.8	37.1	55.7

Manual Integrations
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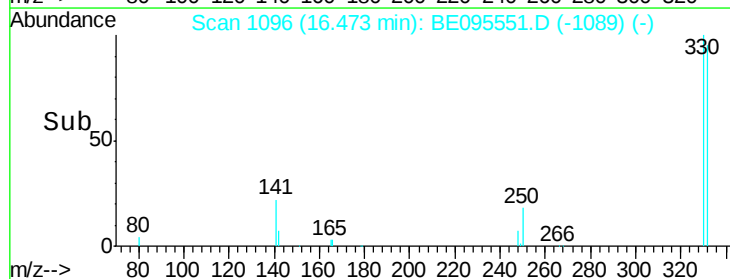
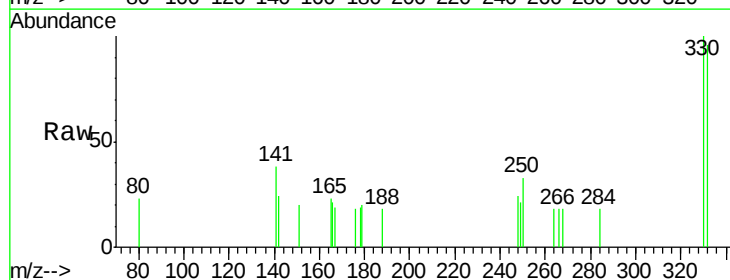
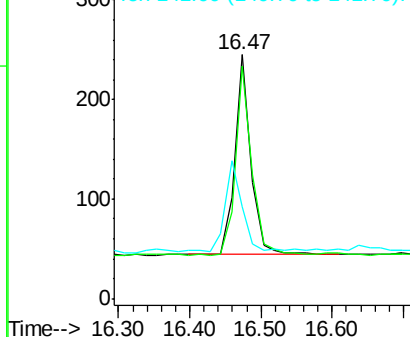
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

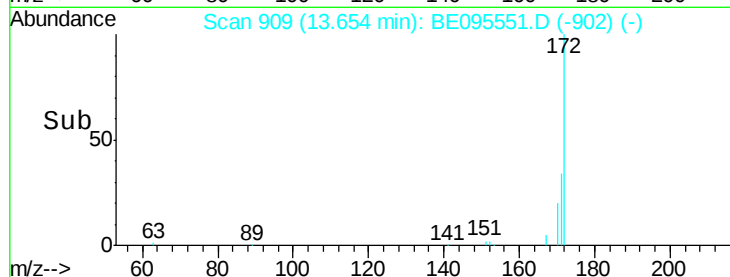
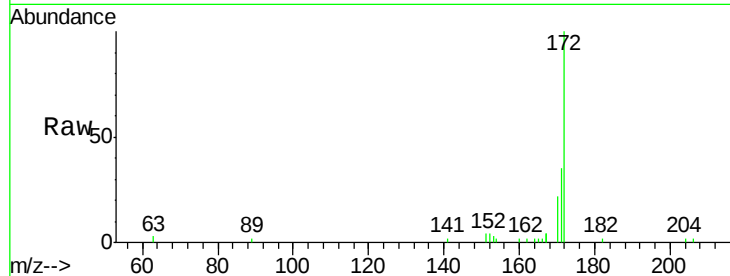
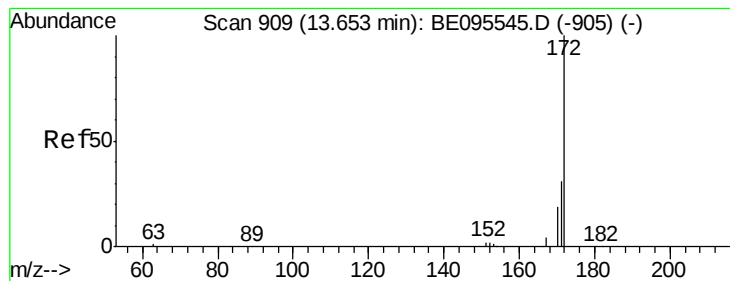


#14
2,4,6-Tribromophenol
Concen: 0.220 ng
RT: 16.47 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BE095551.D
Acq: 7 Feb 2018 13:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	152.7	229.1#
141	45.1	33.7	50.5

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: 0.297 ng

RT: 13.65 min Scan# 909

Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Tot Ion:	172	Resp:	4067
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.9	44.9
170	21.5	21.8	32.8

Instrument :

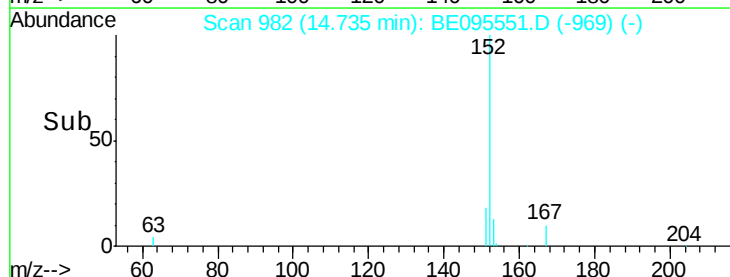
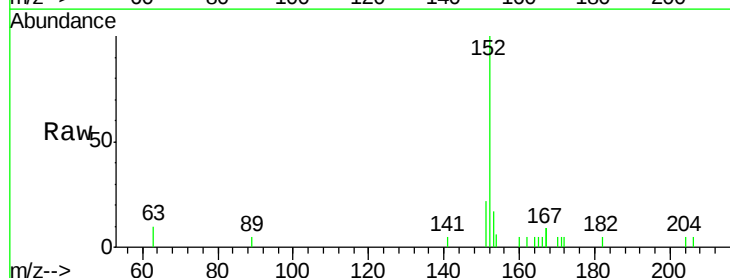
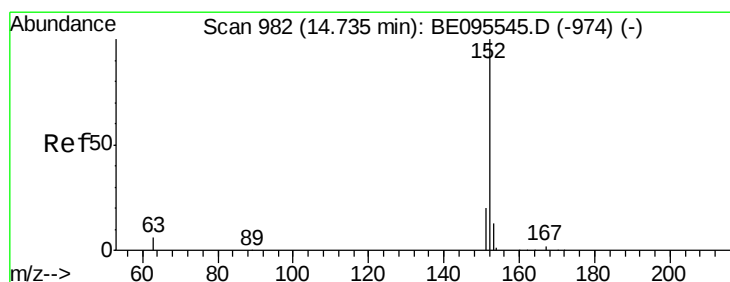
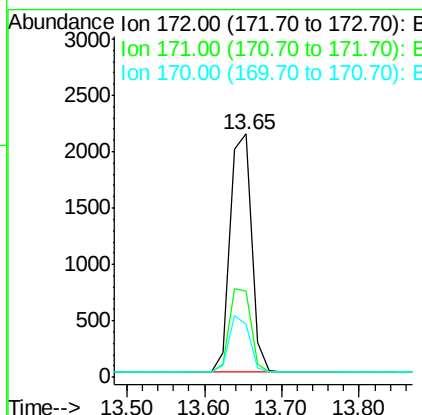
BNA_E

ClientSampleId :

MDL-SOIL-03-QT1-2018

Manual Integrations
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#16

Acenaphthylene

Concen: 0.082 ng

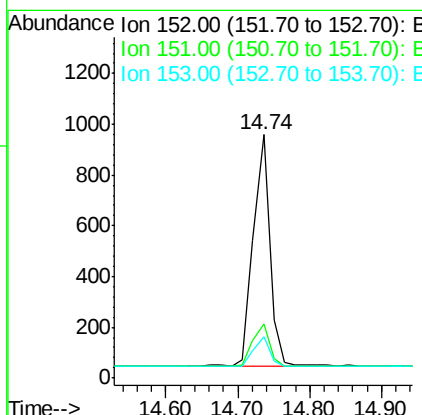
RT: 14.74 min Scan# 982

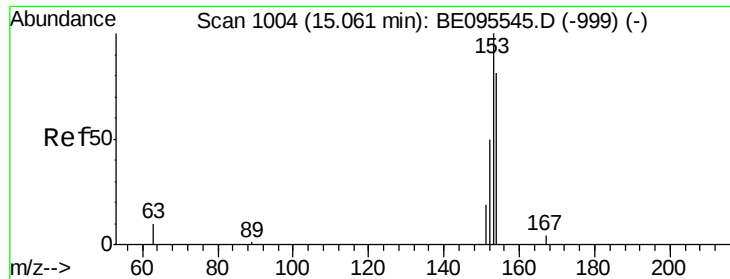
Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Tgt Ion:	152	Resp:	1488
Ion Ratio	Lower	Upper	
152	100		
151	18.8	15.7	23.5
153	12.6	10.5	15.7





#17

Acenaphthene

Concen: 0.086 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Instrument :

BNA_E

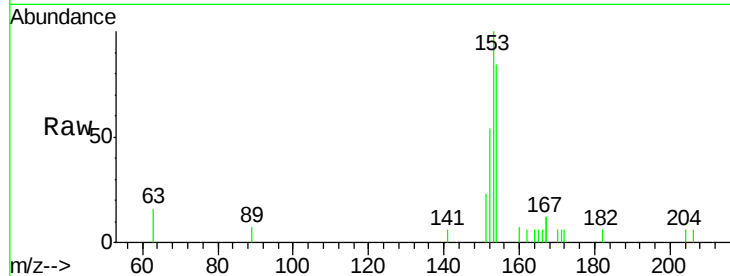
ClientSampleId :

MDL-SOIL-03-QT1-2018

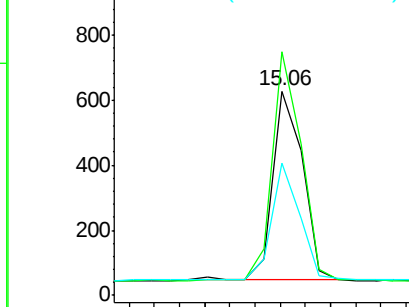
Tot Ion:	154	Resp:	965
Ion Ratio	Lower	Upper	
154	100		
153	116.5	89.2	133.8
152	57.7	42.0	63.0

Manual Integrations
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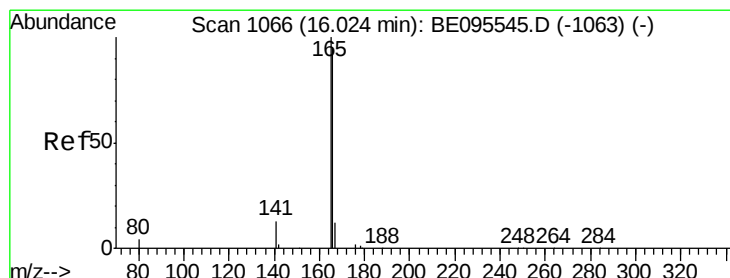
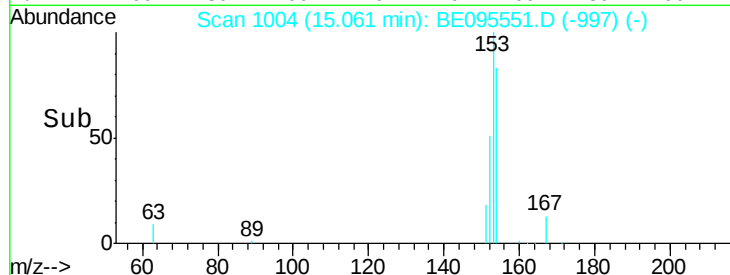
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time-->



#18

Fluorene

Concen: 0.087 ng

RT: 16.02 min Scan# 1066

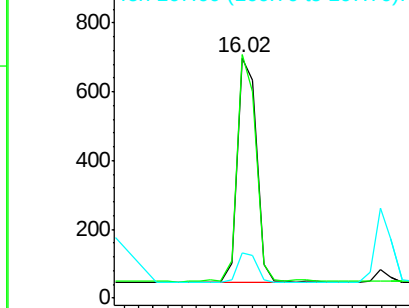
Delta R.T. -0.01 min

Lab File: BE095551.D

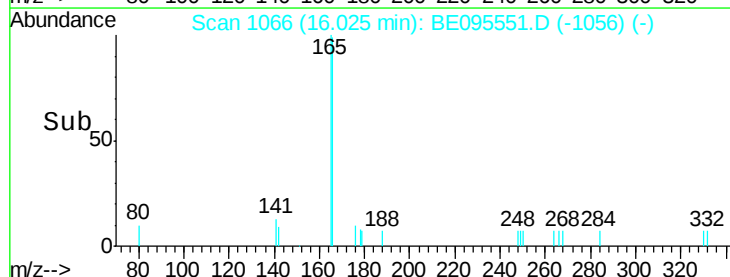
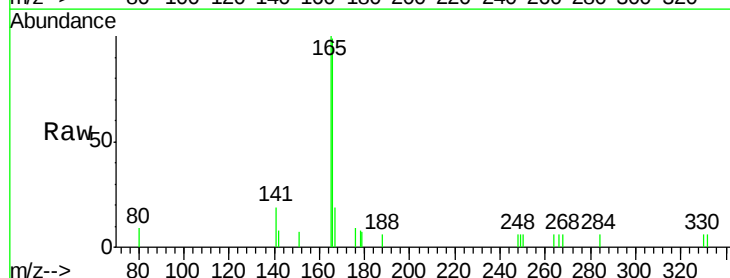
Acq: 7 Feb 2018 13:30

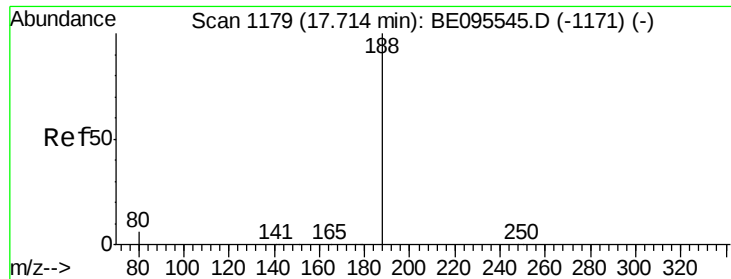
Tgt Ion:	166	Resp:	1238
Ion Ratio	Lower	Upper	
166	100		
165	98.7	77.8	116.6
167	13.6	42.4	63.6#

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



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Instrument :

BNA_E

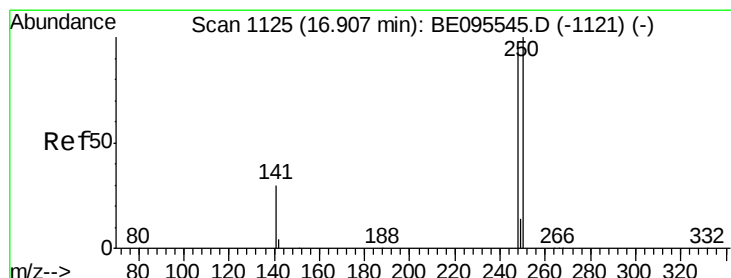
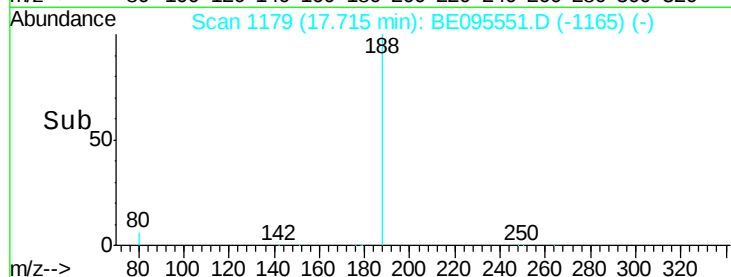
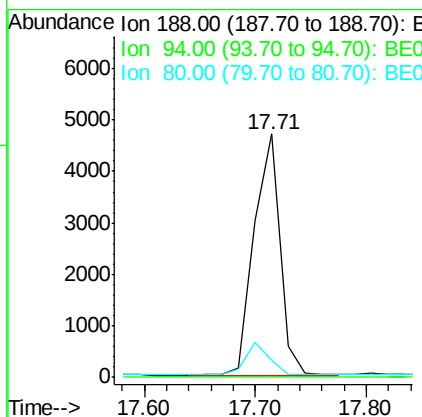
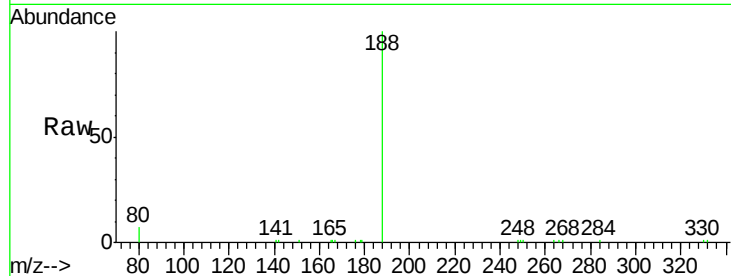
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:	188	Resp:	7562
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	7.2	3.6	5.4#

Manual Integrations
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#20

4-Bromophenyl-phenylether

Concen: 0.084 ng

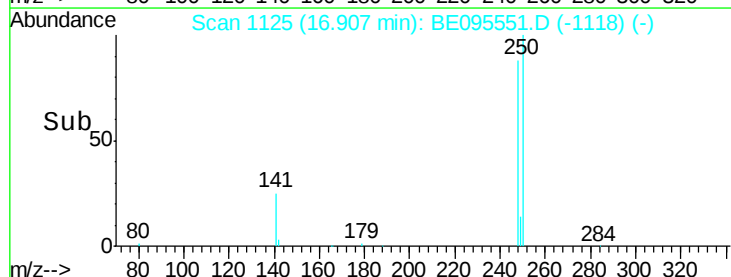
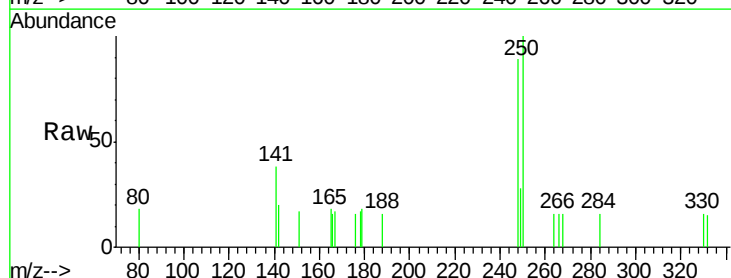
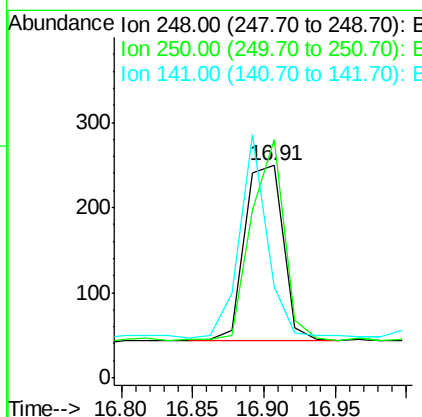
RT: 16.91 min Scan# 1125

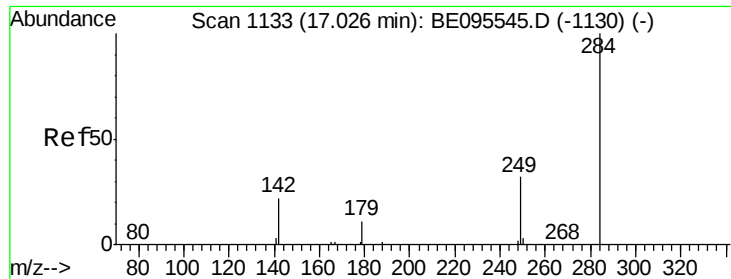
Delta R.T. 0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Tgt Ion:	248	Resp:	384
Ion Ratio	Lower	Upper	
248	100		
250	112.4	62.7	94.1#
141	43.0	48.2	72.2#





#21

Hexachlorobenzene

Concen: 0.088 ng

RT: 17.03 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Instrument :

BNA_E

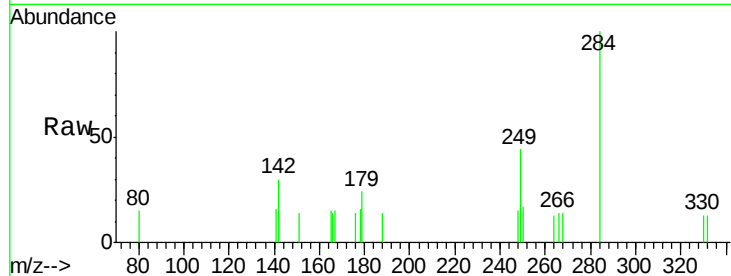
ClientSampleId :

MDL-SOIL-03-QT1-2018

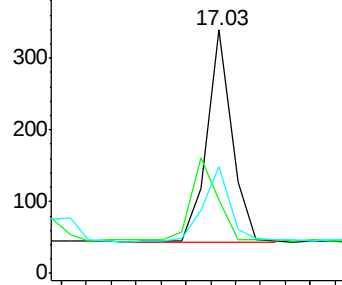
Tot Ion:	284	Resp:	415
Ion Ratio	Lower	Upper	
284	100		
142	39.3	22.1	33.1#
249	40.0	34.8	52.2

Manual Integrations
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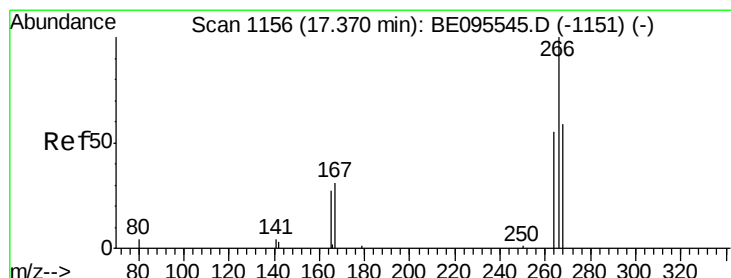
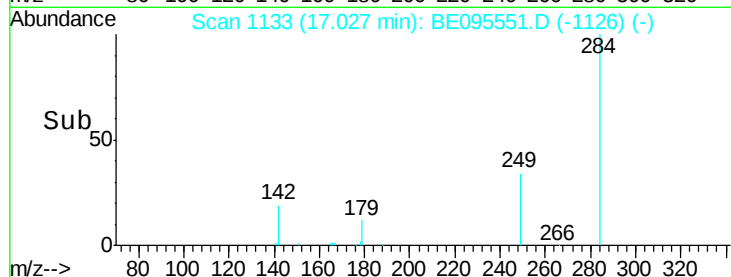
Sohil
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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time--> 16.90 17.00 17.10



#22

Pentachlorophenol

Concen: 0.198 ng

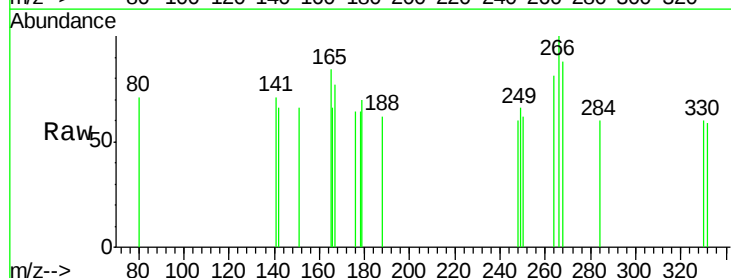
RT: 17.37 min Scan# 1156

Delta R.T. 0.00 min

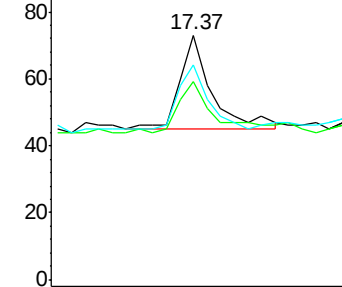
Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

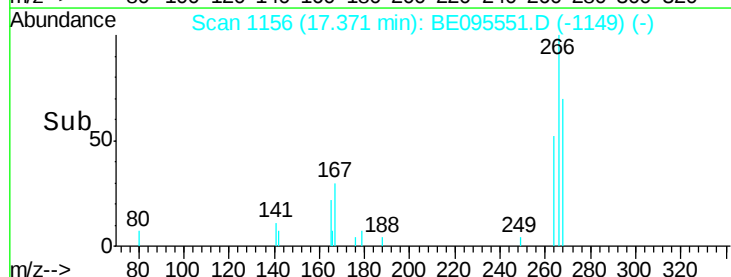
Tgt Ion:	266	Resp:	69
Ion Ratio	Lower	Upper	
266	100		
264	80.8	72.5	108.7
268	87.7	73.8	110.6

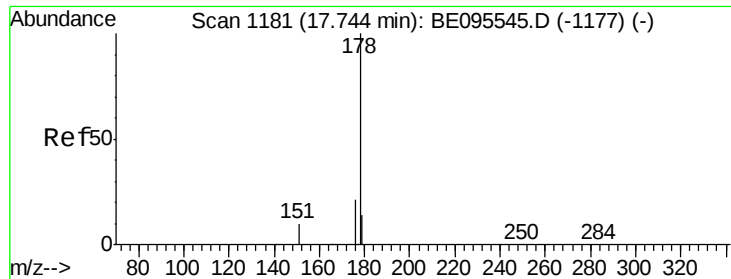


Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time--> 17.30 17.40 17.50





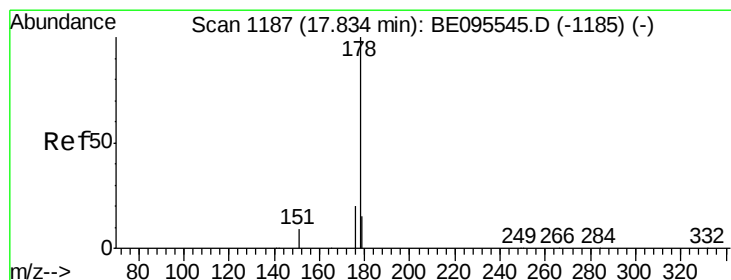
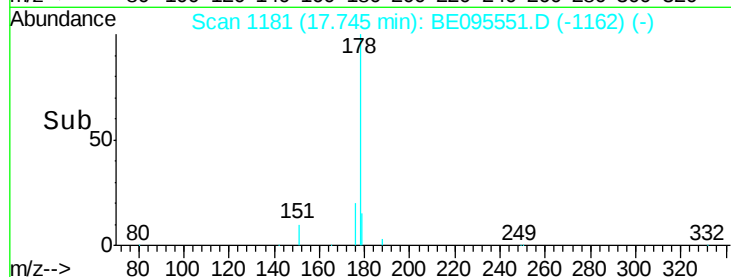
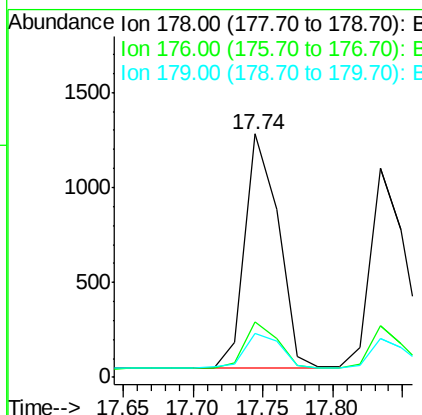
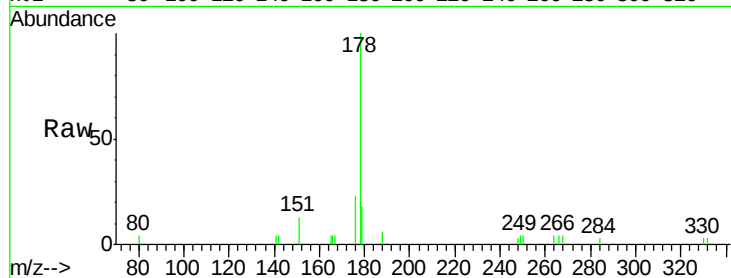
#23
Phenanthrene
Concen: 0.088 ng m
RT: 17.74 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BE095551.D
Acq: 7 Feb 2018 13:30

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	15.5	11.8	17.6

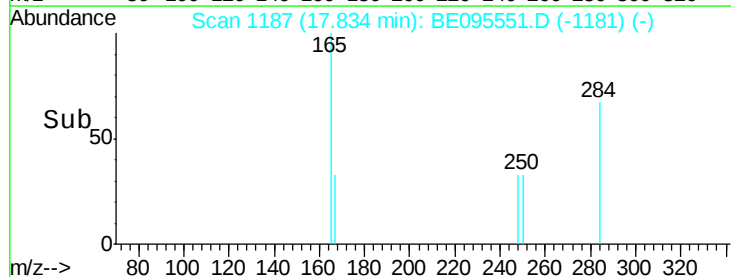
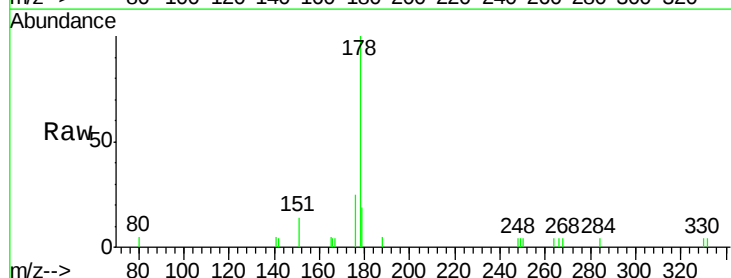
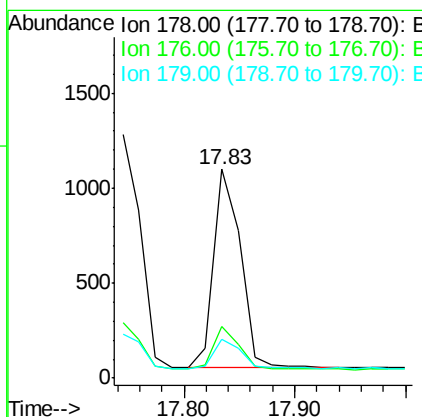
Manual Integrations
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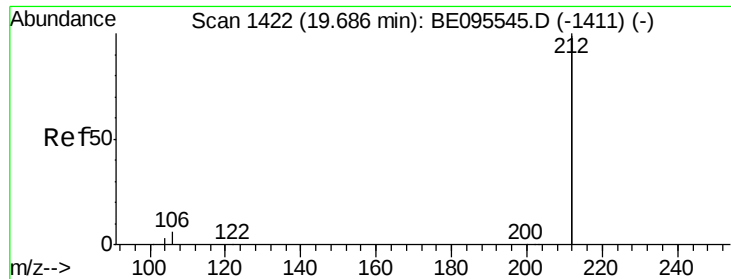
Sohil
2/8/2018 3:49:29 PM



#24
Anthracene
Concen: 0.081 ng
RT: 17.83 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BE095551.D
Acq: 7 Feb 2018 13:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	12.8	19.2#
179	15.7	13.0	19.6





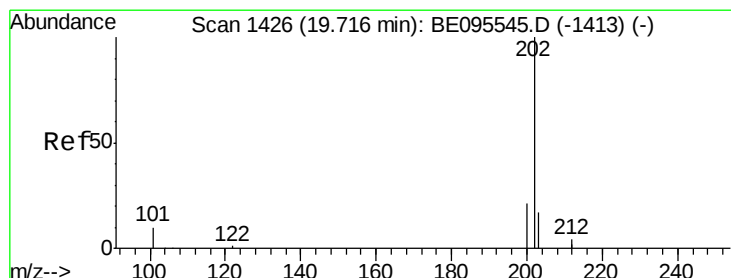
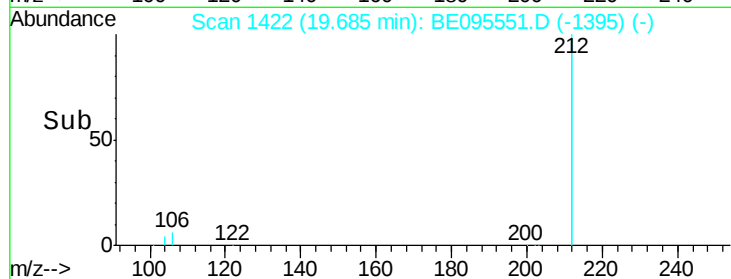
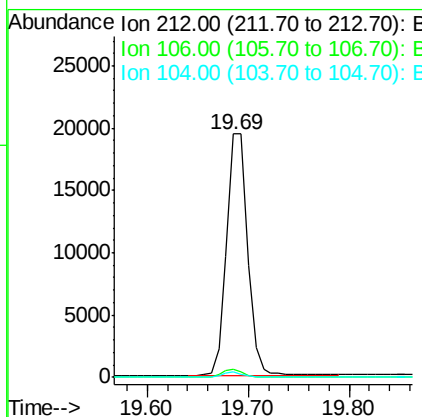
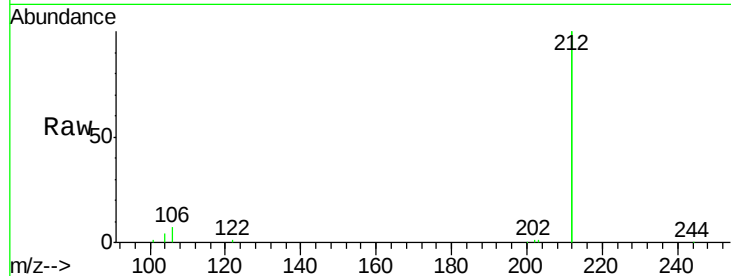
#25
 Fluoranthene-d10
 Concen: 0.279 ng
 RT: 19.69 min Scan# 1422
 Delta R.T. -0.00 min
 Lab File: BE095551.D
 Acq: 7 Feb 2018 13:30

Instrument :
 BNA_E
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
212	100		
106	2.9	2.8	4.2
104	1.8	1.6	2.4

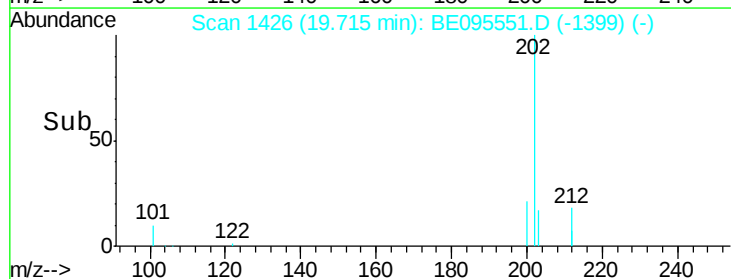
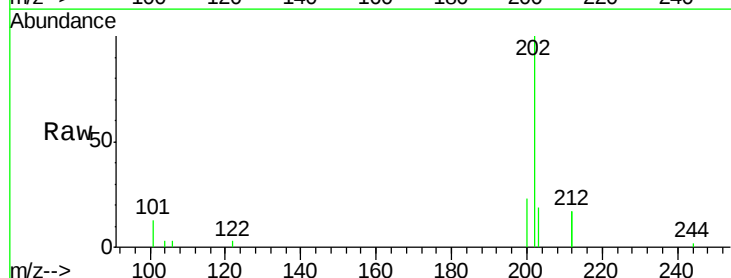
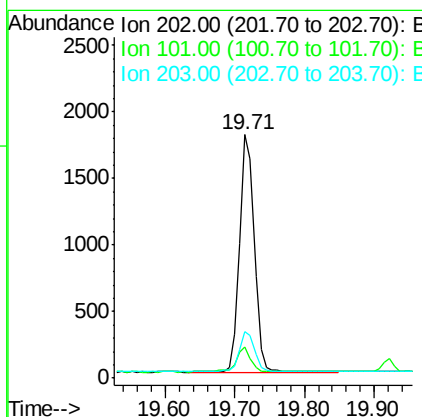
Manual Integrations
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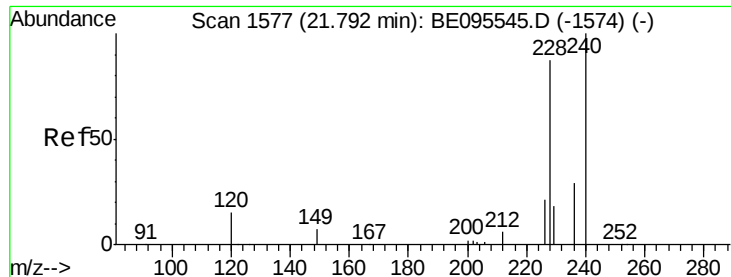
Sohil
 2/8/2018 3:49:29 PM



#26
 Fluoranthene
 Concen: 0.086 ng
 RT: 19.71 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BE095551.D
 Acq: 7 Feb 2018 13:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	9.8	14.8
203	17.6	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.79 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Instrument :

BNA_E

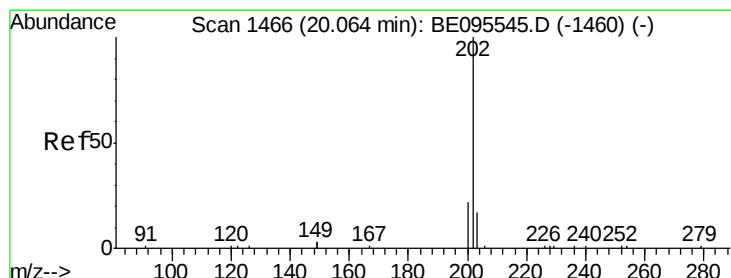
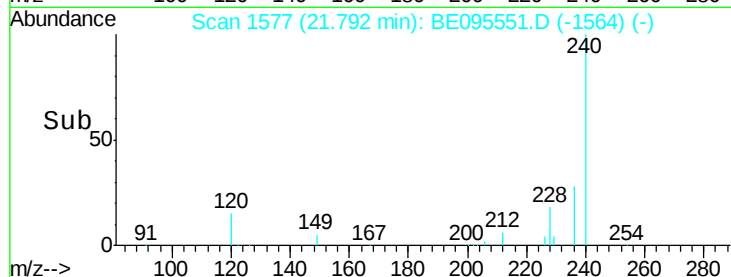
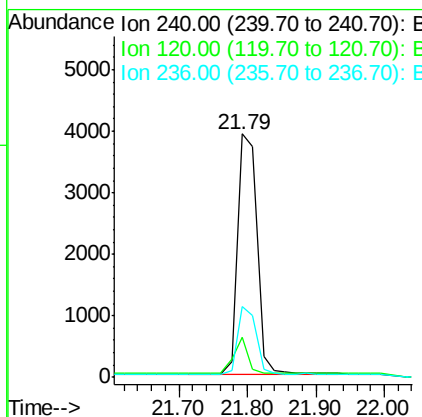
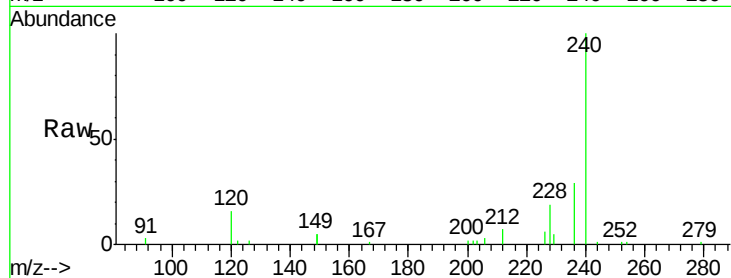
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:	240	Resp:	7754
Ion Ratio	Lower	Upper	
240	100		
120	16.5	5.5	8.3#
236	28.9	20.7	31.1

Manual Integrations
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2/8/2018 3:49:29 PM



#28

Pyrene

Concen: 0.084 ng

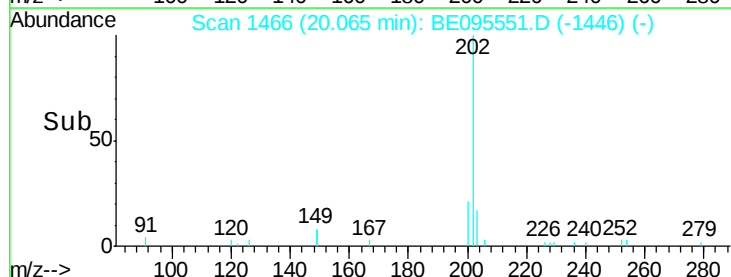
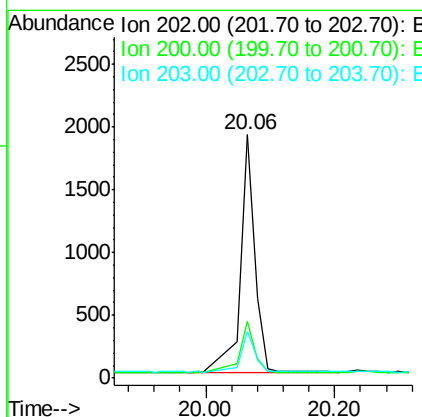
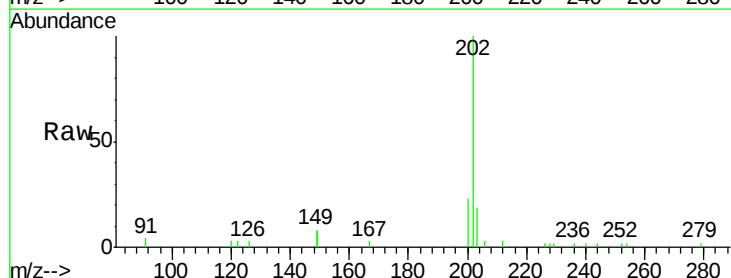
RT: 20.06 min Scan# 1466

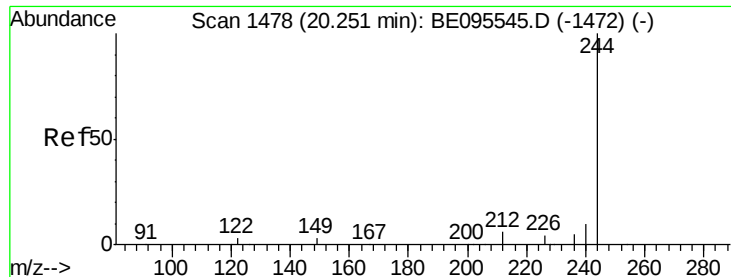
Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Tgt Ion:	202	Resp:	2747
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.6	25.0
203	18.3	13.8	20.8





#29

Terphenyl-d14

Concen: 0.291 ng

RT: 20.25 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Instrument :

BNA_E

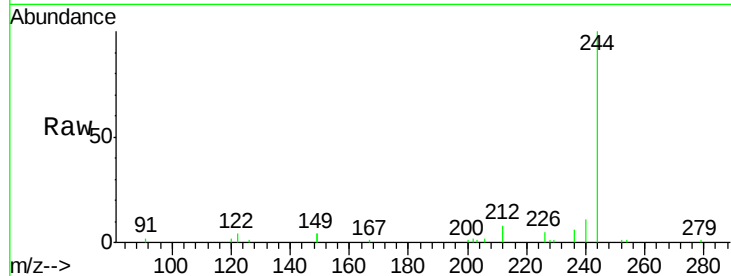
ClientSampleId :

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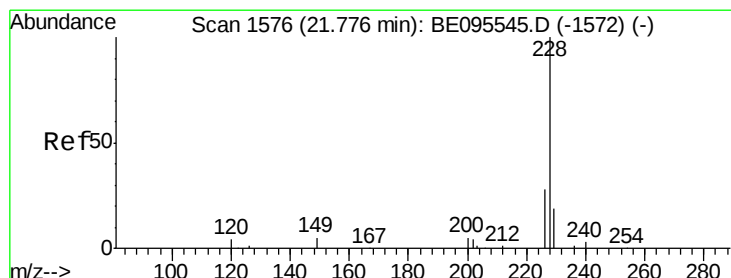
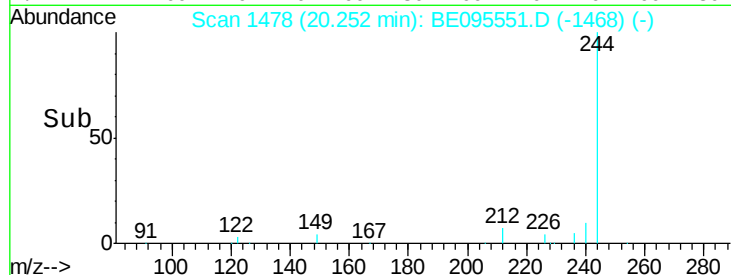
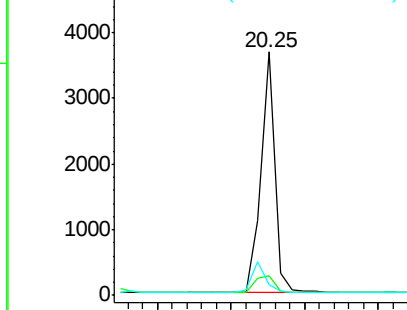
Tot Ion:	244	Resp:	4812
Ion Ratio	Lower	Upper	
244	100		
212	8.1	25.4	38.0#
122	4.3	8.1	12.1#

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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: 0.088 ng

RT: 21.78 min Scan# 1576

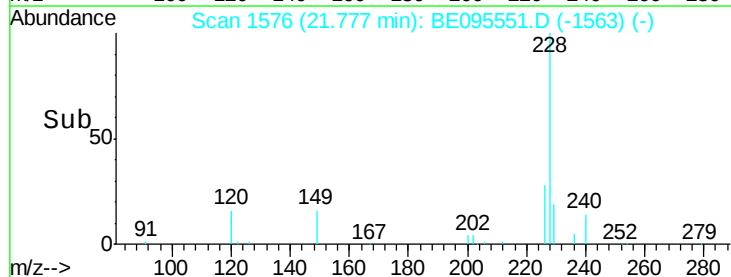
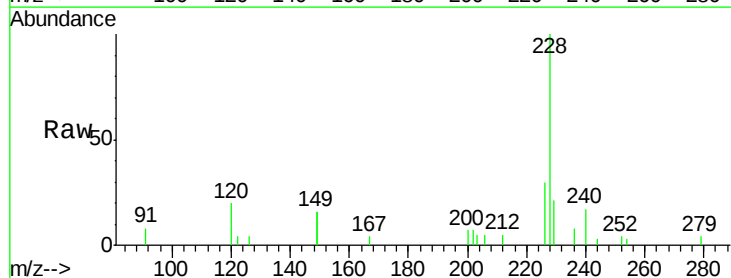
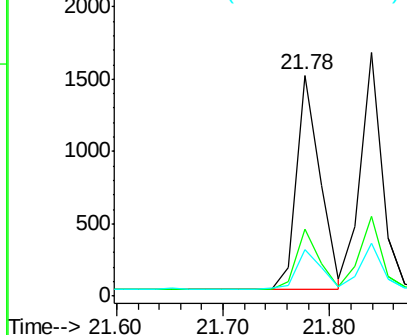
Delta R.T. -0.00 min

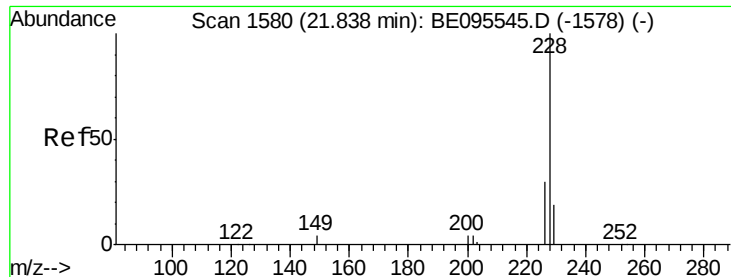
Lab File: BE095551.D

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Tgt Ion:	228	Resp:	2264
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.0	36.0
229	21.3	16.0	24.0

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: 0.090 ng

RT: 21.84 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Instrument :

BNA_E

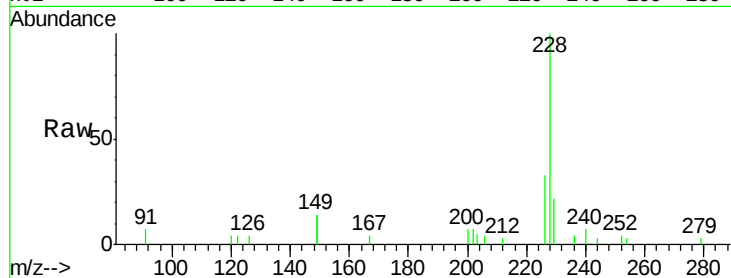
ClientSampleId :

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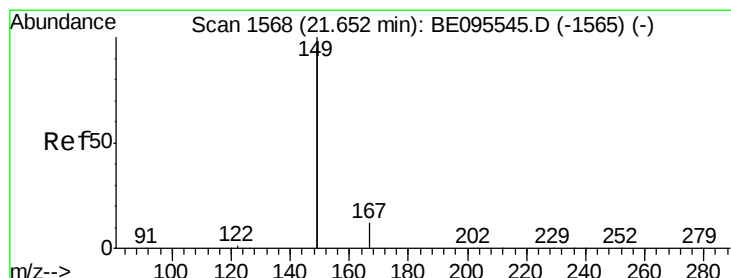
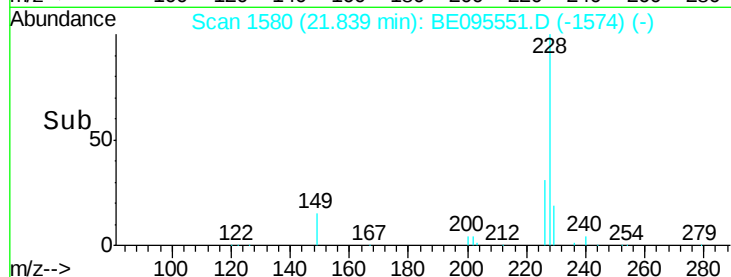
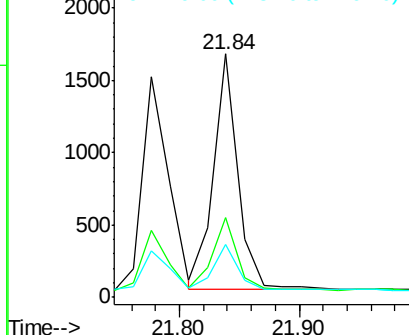
Tot Ion:	228	Resp:	2282
Ion Ratio	Lower	Upper	
228	100		
226	33.0	24.0	36.0
229	21.7	16.0	24.0

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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: 0.084 ng

RT: 21.65 min Scan# 1568

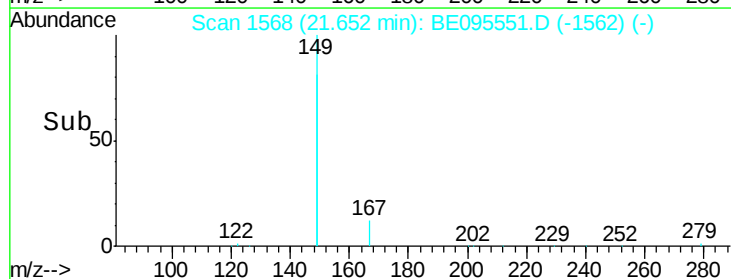
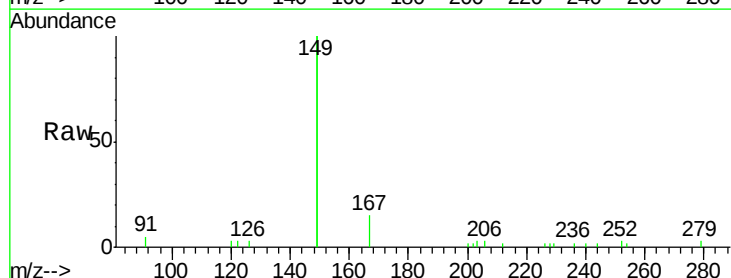
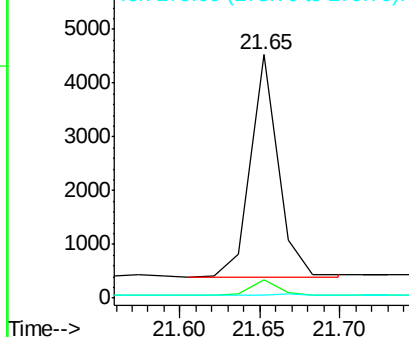
Delta R.T. -0.00 min

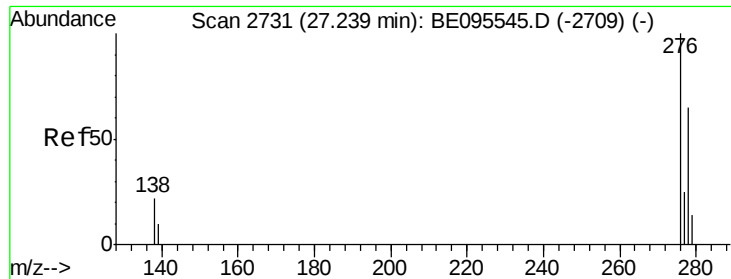
Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Tgt Ion:	149	Resp:	5021
Ion Ratio	Lower	Upper	
149	100		
167	6.5	5.4	8.0
279	1.0	0.7	1.1

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





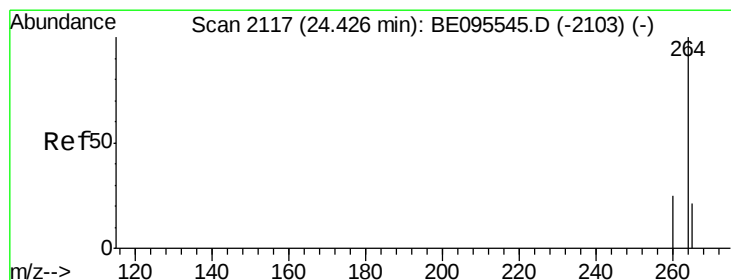
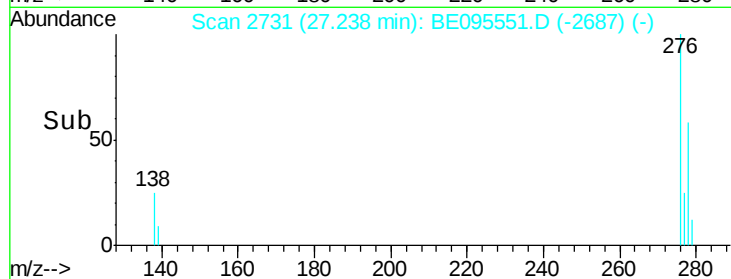
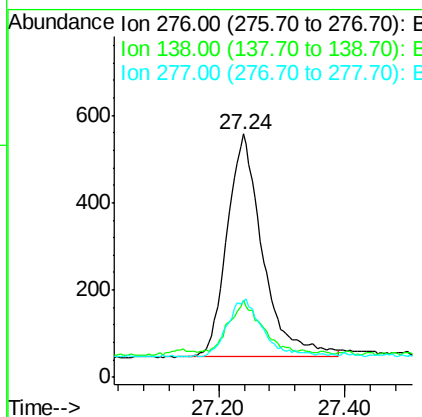
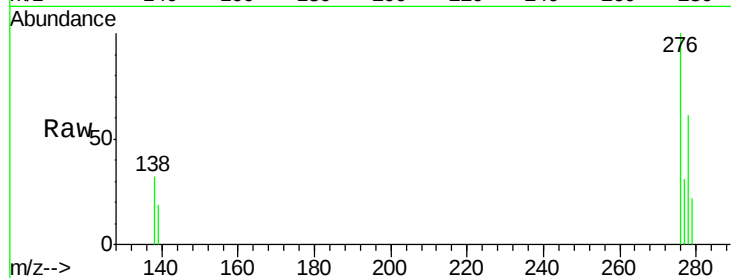
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.081 ng
RT: 27.24 min Scan# 2731
Delta R.T. -0.00 min
Lab File: BE095551.D
Acq: 7 Feb 2018 13:30

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	22.5	33.7#
277	24.6	19.9	29.9

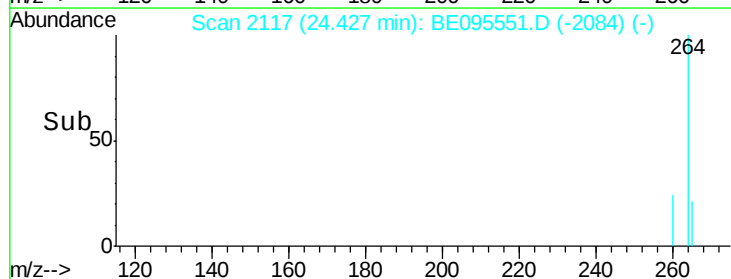
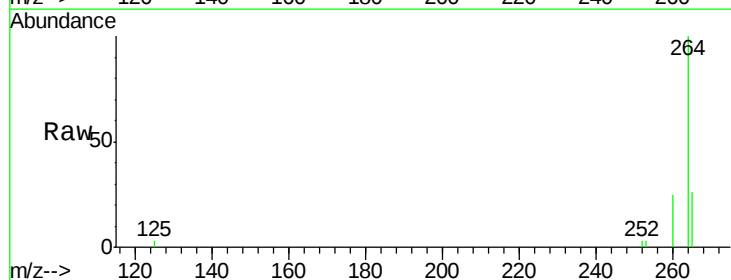
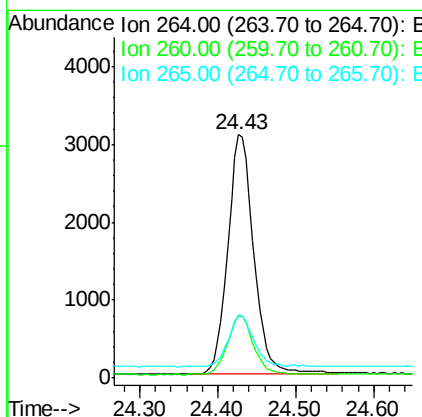
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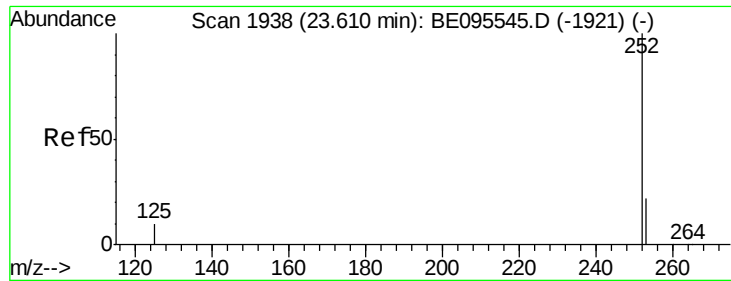
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#34
Perylene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2117
Delta R.T. -0.00 min
Lab File: BE095551.D
Acq: 7 Feb 2018 13:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.5	30.7
265	25.7	22.8	34.2





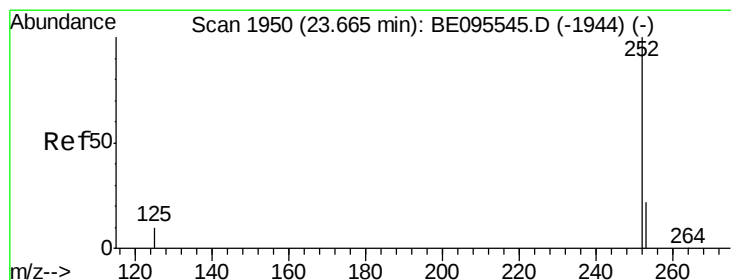
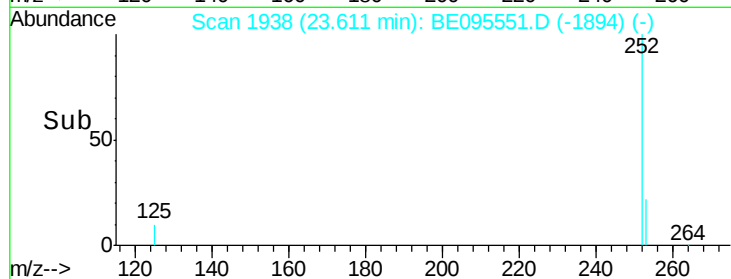
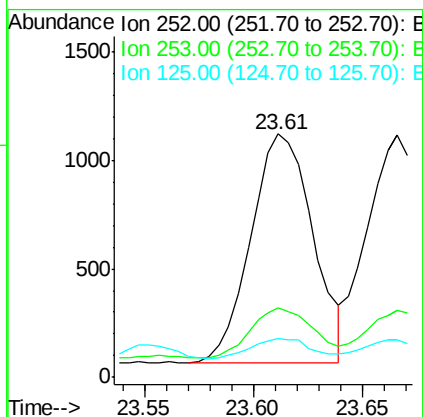
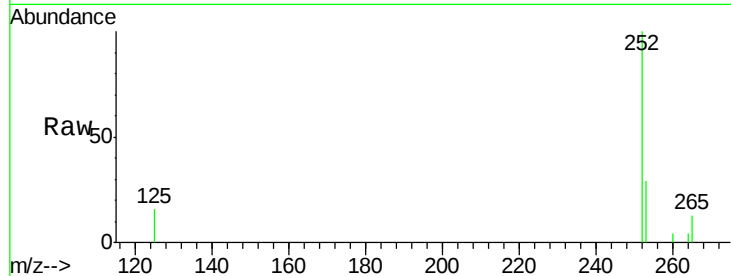
#35
Benzo(b)fluoranthene
Concen: 0.085 ng
RT: 23.61 min Scan# 1938
Delta R.T. -0.00 min
Lab File: BE095551.D
Acq: 7 Feb 2018 13:30

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	20.0	30.0
125	16.1	16.0	24.0

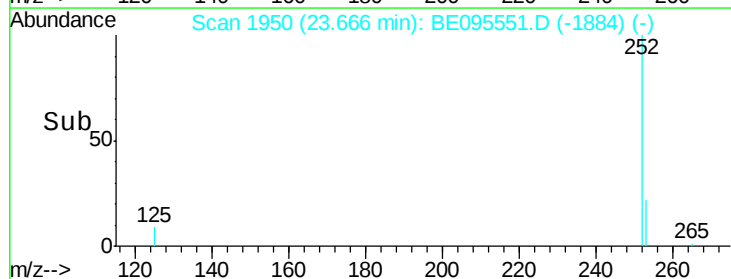
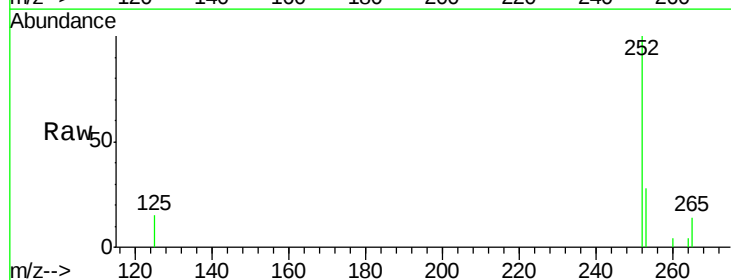
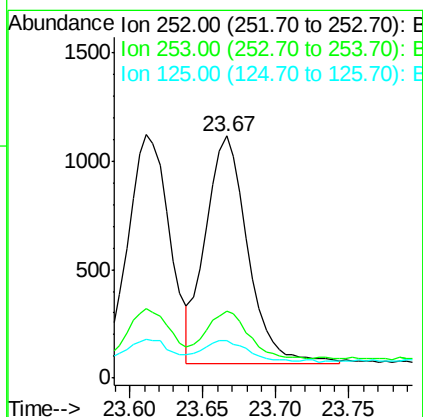
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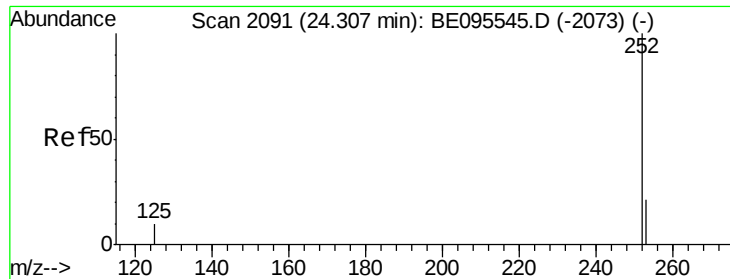
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#36
Benzo(k)fluoranthene
Concen: 0.084 ng m
RT: 23.67 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BE095551.D
Acq: 7 Feb 2018 13:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	16.0	24.0#
125	15.4	8.0	12.0#





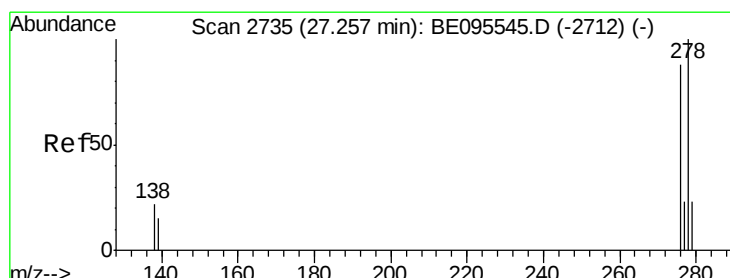
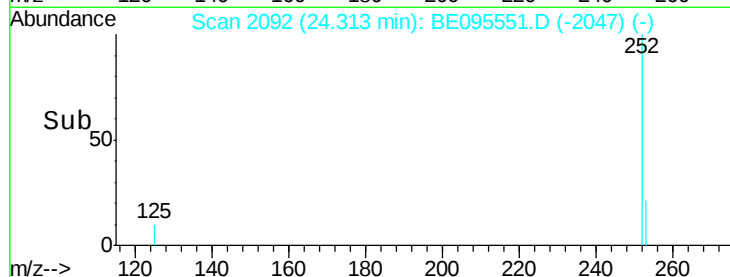
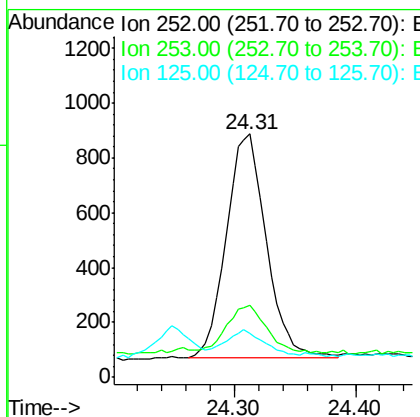
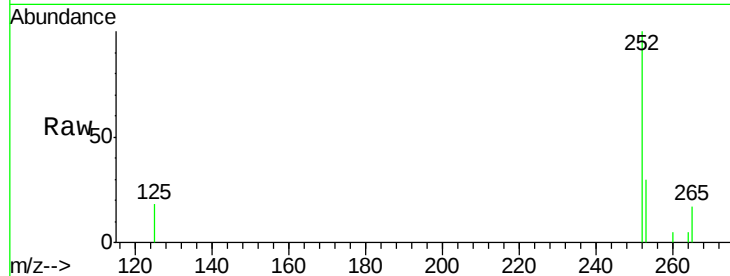
#37
Benzo(a)pyrene
Concen: 0.082 ng
RT: 24.31 min Scan# 2092
Delta R.T. 0.00 min
Lab File: BE095551.D
Acq: 7 Feb 2018 13:30

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.6	16.0	24.0#
125	17.8	12.0	18.0

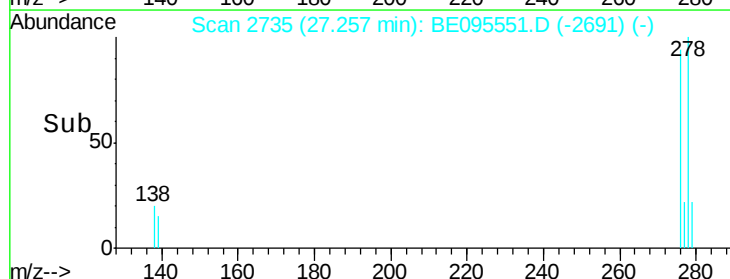
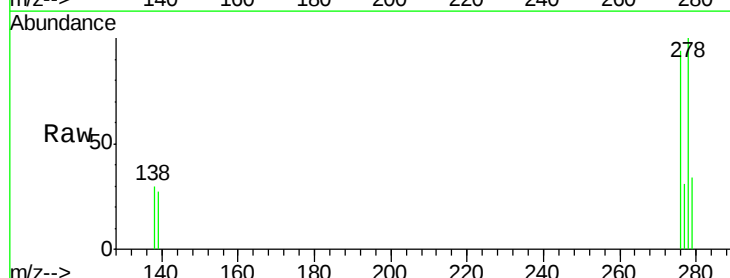
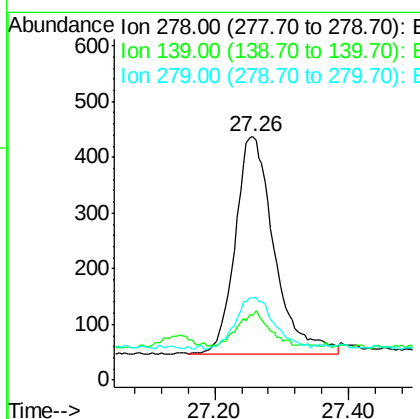
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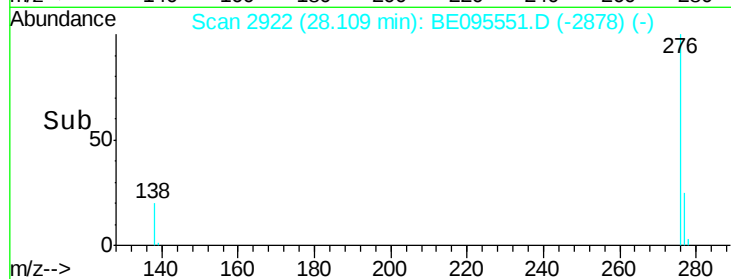
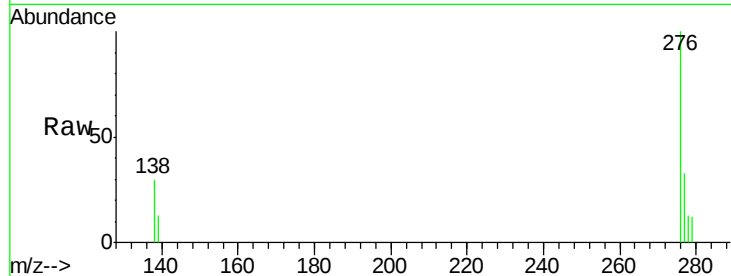
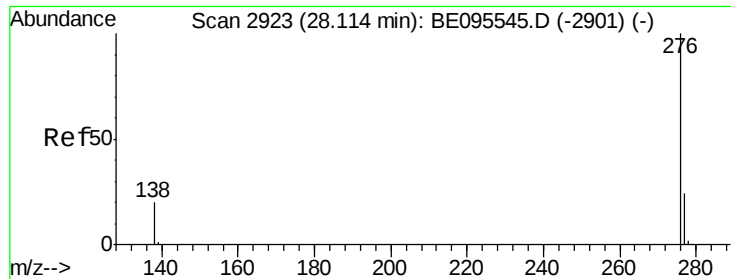
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#38
Dibenzo(a,h)anthracene
Concen: 0.079 ng
RT: 27.26 min Scan# 2735
Delta R.T. -0.00 min
Lab File: BE095551.D
Acq: 7 Feb 2018 13:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.5	16.0	24.0#
279	33.6	20.0	30.0#





#39

Benzo(a,h,i)perylene

Concen: 0.084 ng

RT: 28.11 min Scan# 2922

Delta R.T. -0.00 min

Lab File: BE095551.D

Acq: 7 Feb 2018 13:30

Tot Ion:	276	Resp:	1799
Ion Ratio	Lower	Upper	
276	100		
277	32.8	16.0	24.0#
138	29.7	20.0	30.0

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT1-2018

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