

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072219\
 Data File : BE100485.D
 Acq On : 22 Jul 2019 18:15
 Operator : HP/JU
 Sample : K2241-03
 Misc : MDL-S-0.PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Manual Integrations
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 7/23/2019 4:32:29 PM

Quant Time: Jul 23 15:54:00 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072219.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jul 22 17:11:23 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1941	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	8153	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	5462	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	14706	0.40	ng	0.00
27) Chrysene-d12	21.38	240	17216	0.40	ng	0.00
34) Perylene-d12	23.86	264	18483	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.45	112	2333	0.49	ng	0.00
5) Phenol-d6	7.02	99	3302	0.49	ng	0.00
8) Nitrobenzene-d5	9.02	82	2419	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	5442	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	935	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	8118	0.37	ng	0.00
25) Fluoranthene-d10	19.24	212	83586	0.41	ng	0.00
29) Terphenyl-d14	19.83	244	16539	0.39	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.36	88	339m	0.116	ng	
3) n-Nitrosodimethylamine	3.68	42	203	0.114	ng	# 29
6) bis(2-Chloroethyl)ether	7.29	93	866	0.149	ng	88
9) Naphthalene	10.71	128	10815	0.138	ng	# 98
10) Hexachlorobutadiene	11.00	225	487	0.130	ng	98
12) 2-Methylnaphthalene	12.32	142	1875	0.133	ng	96
16) Acenaphthylene	14.21	152	3314	0.131	ng	99
17) Acenaphthene	14.56	154	1931	0.127	ng	96
18) Fluorene	15.53	166	2711	0.134	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	890	0.127	ng	93
21) Hexachlorobenzene	16.53	284	958	0.133	ng	98
22) Pentachlorophenol	16.88	266	662	0.218	ng	94
23) Phenanthrene	17.25	178	4896	0.136	ng	99
24) Anthracene	17.35	178	4422	0.129	ng	99
26) Fluoranthene	19.27	202	7267	0.140	ng	99
28) Pyrene	19.63	202	7516	0.140	ng	99
30) Benzo(a)anthracene	21.37	228	7147	0.136	ng	96
31) Chrysene	21.41	228	7016	0.135	ng	99
32) Bis(2-ethylhexyl)phthalate	21.30	149	15989	0.132	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.48	276	7915	0.140	ng	99
35) Benzo(b)fluoranthene	23.10	252	6927	0.137	ng	# 85
36) Benzo(k)fluoranthene	23.15	252	7406	0.140	ng	# 81
37) Benzo(a)pyrene	23.75	252	7124	0.145	ng	# 84
38) Dibenzo(a,h)anthracene	26.52	278	6189	0.133	ng	# 83
39) Benzo(g,h,i)perylene	27.28	276	6811	0.143	ng	# 90

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

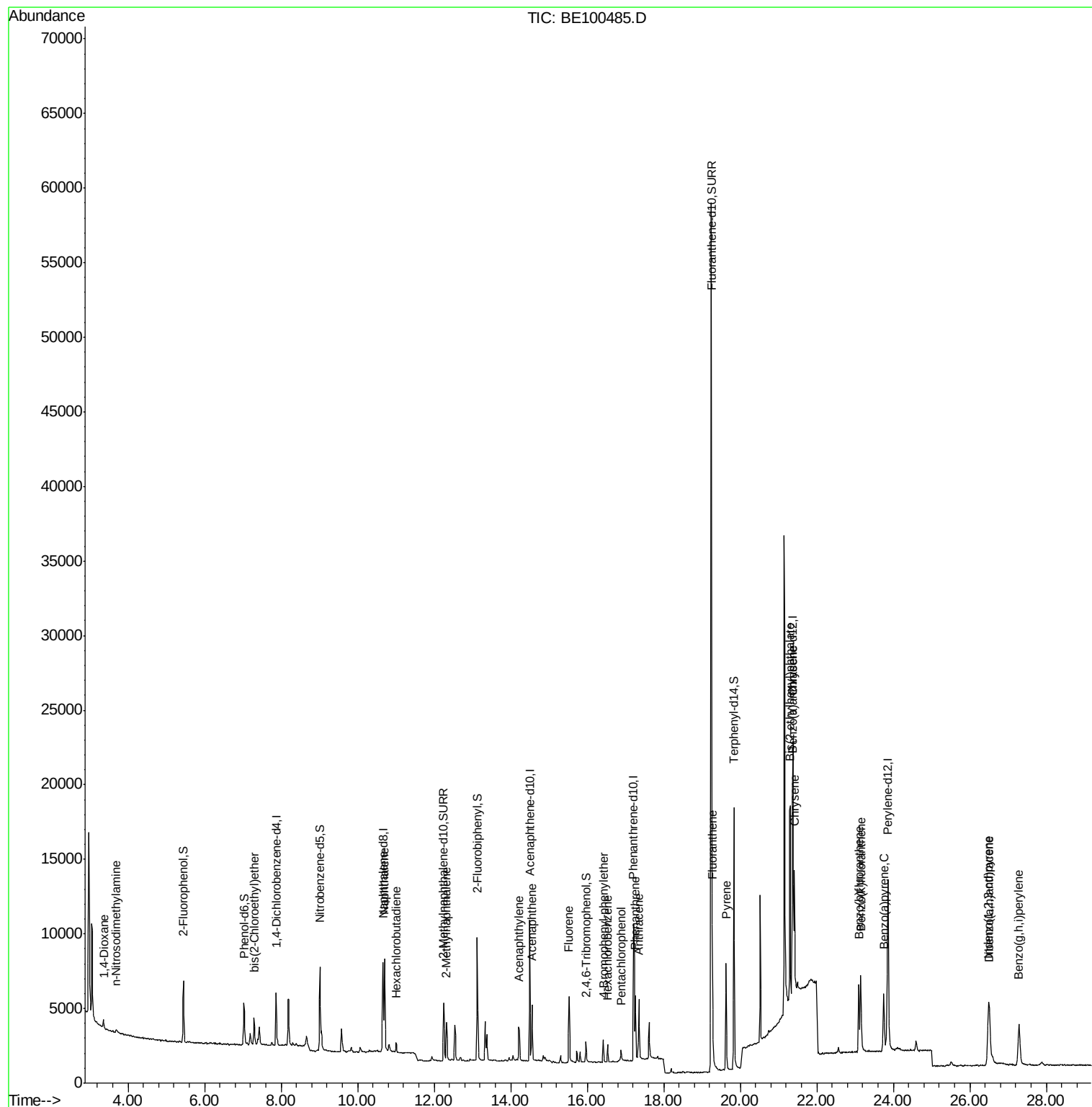
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072219\
Data File : BE100485.D
Acq On : 22 Jul 2019 18:15
Operator : HP/JU
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Misc : MDL-S-0.PPM
ALS Vial : 11 Sample Multiplier: 1

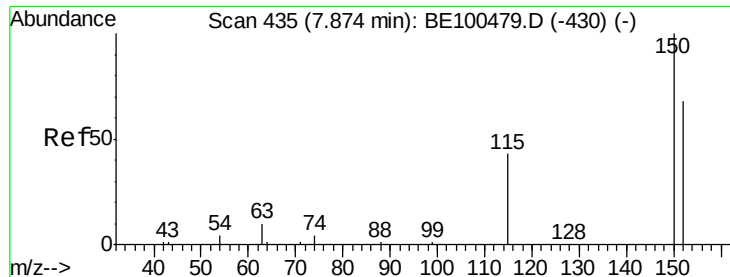
Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Manual Integrations
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Quant Time: Jul 23 15:54:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 22 17:11:23 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 435

Delta R.T. 0.00 min

Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

Instrument :

BNA_E

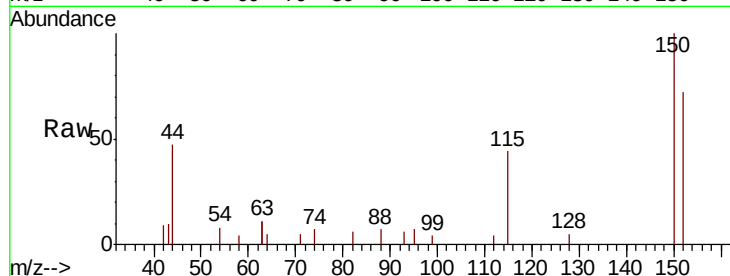
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.5	115.0	172.6
115	61.5	52.9	79.3

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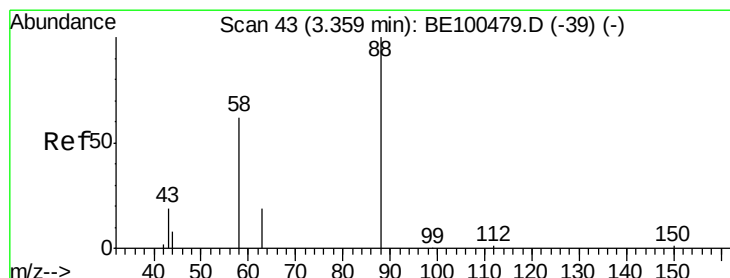
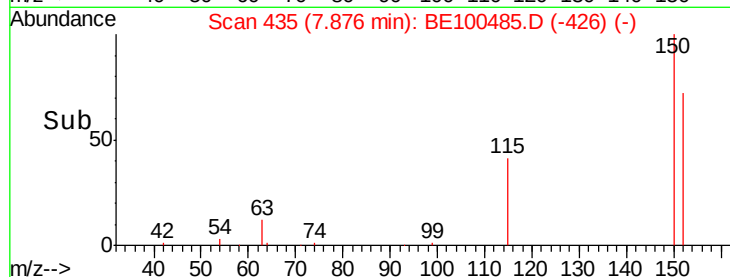
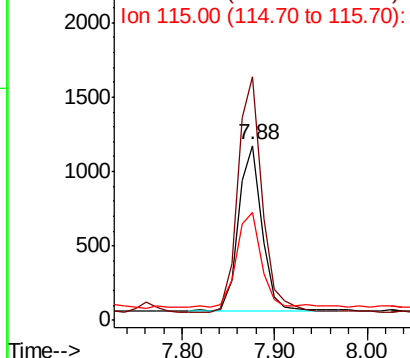


Abundance

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: 0.116 ng m

RT: 3.36 min Scan# 43

Delta R.T. 0.00 min

Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

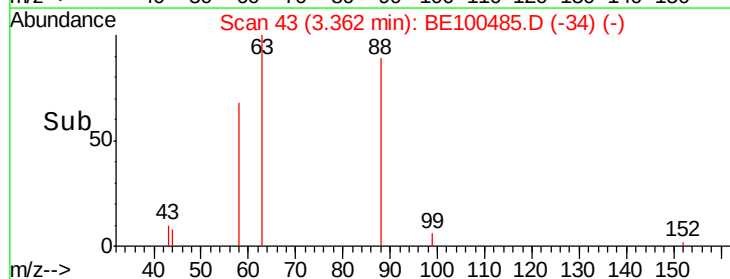
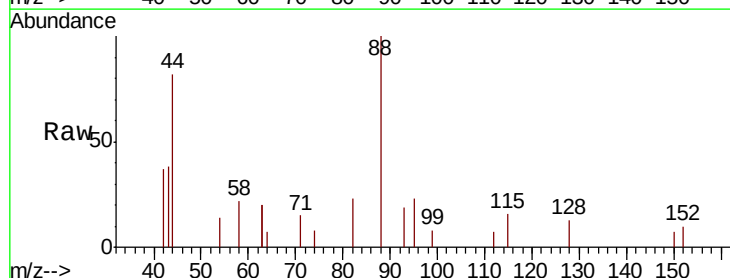
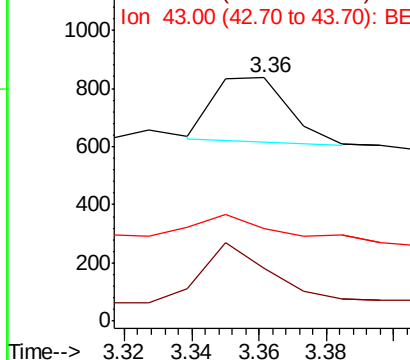
Tgt Ion	Ratio	Lower	Upper
88	100		
58	92.0	53.2	79.8#
43	80.5	20.8	31.2#

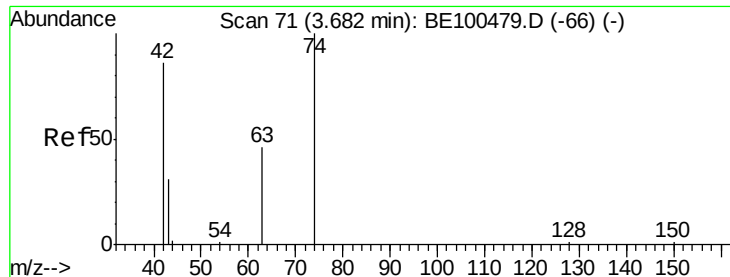
Abundance

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

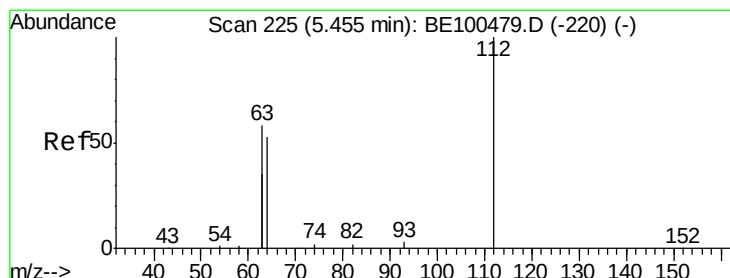
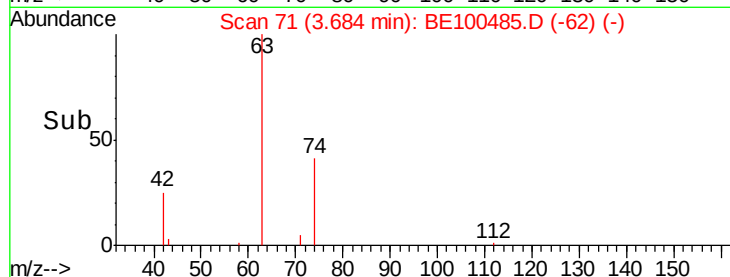
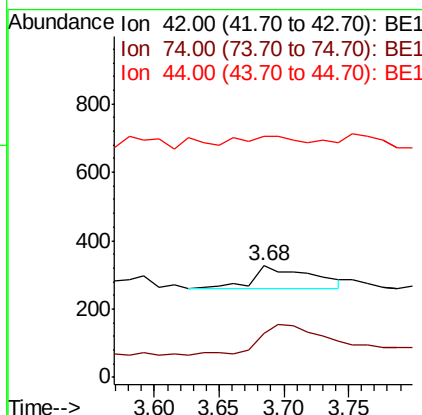
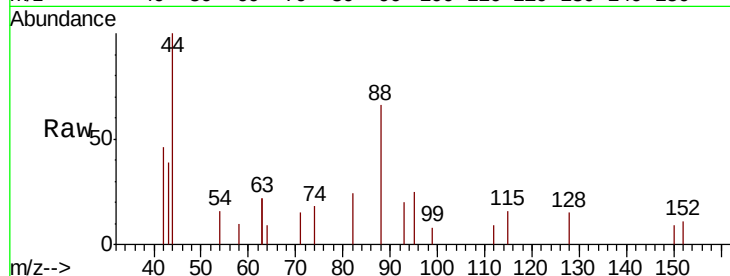
n-Nitrosodimethylamine
 Concen: 0.114 ng
 RT: 3.68 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: BE100485.D
 Acq: 22 Jul 2019 18:15

Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	42	Resp	203
Ion	Ratio	Lower	Upper
42	100		
74	142.4	0.0	0.0#
44	39.4	9.6	14.4#

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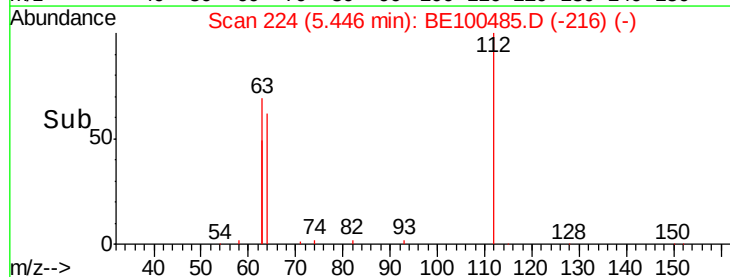
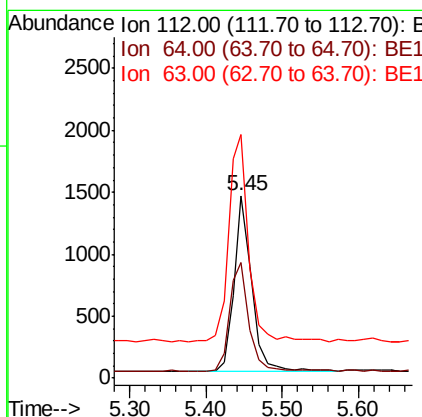
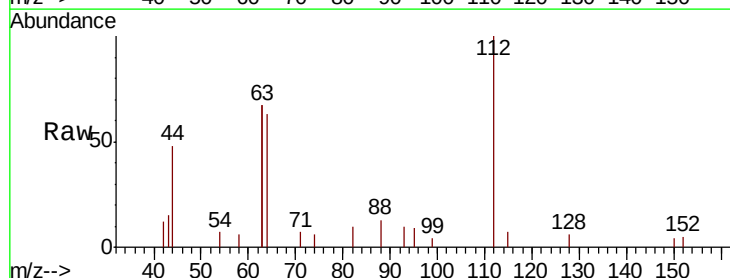
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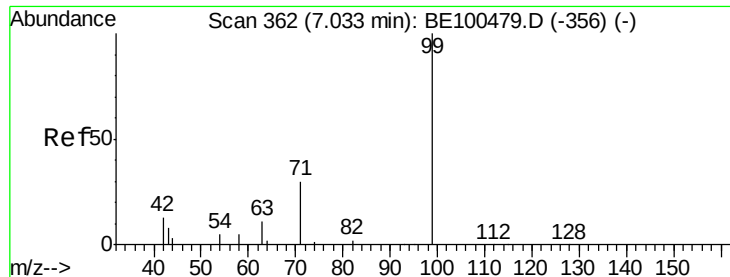


#4

2-Fluorophenol
 Concen: 0.493 ng
 RT: 5.45 min Scan# 224
 Delta R.T. -0.01 min
 Lab File: BE100485.D
 Acq: 22 Jul 2019 18:15

Tgt Ion	112	Resp	2333
Ion	Ratio	Lower	Upper
112	100		
64	66.3	54.1	81.1
63	134.6	104.6	157.0





#5

Phenol-d6

Concen: 0.488 ng

RT: 7.02 min Scan# 361

Delta R.T. -0.01 min

Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

Instrument :

BNA_E

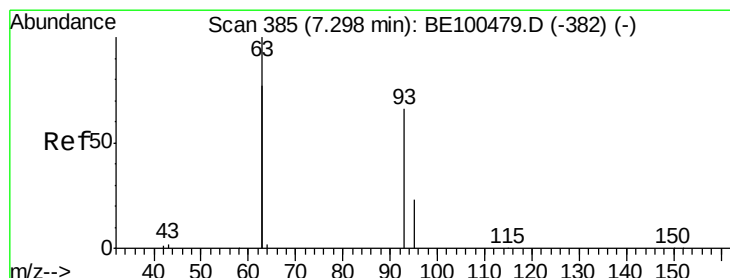
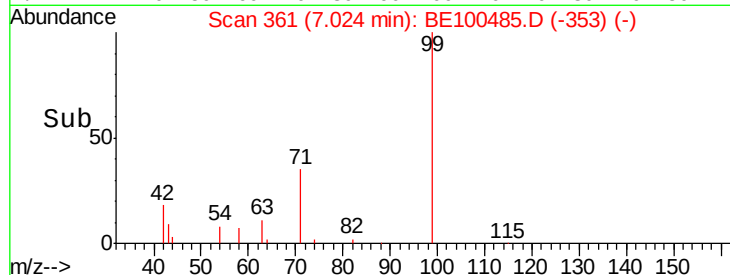
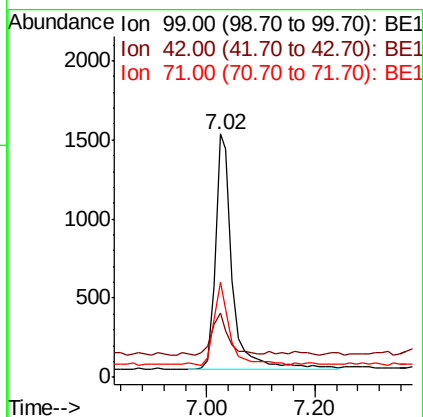
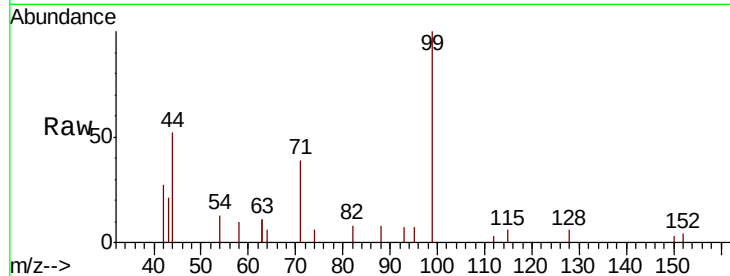
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	99	Resp:	3302
Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.5	21.7
71	32.7	26.4	39.6

Manual Integrations
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#6

bis(2-Chloroethyl)ether

Concen: 0.149 ng

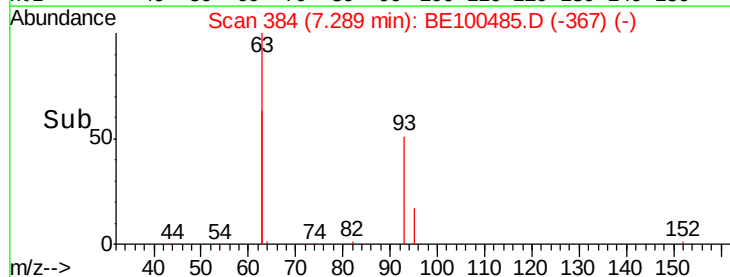
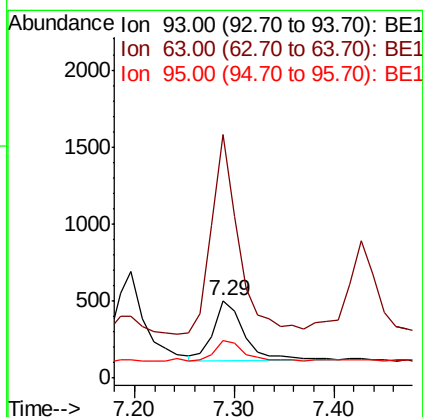
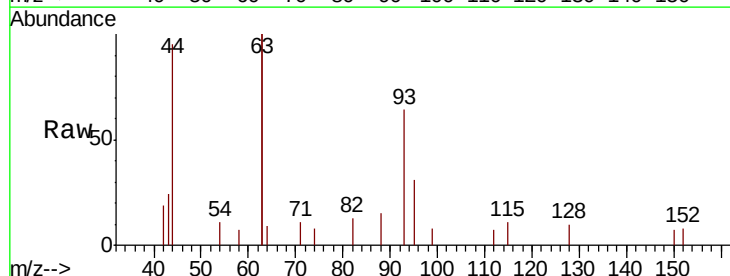
RT: 7.29 min Scan# 384

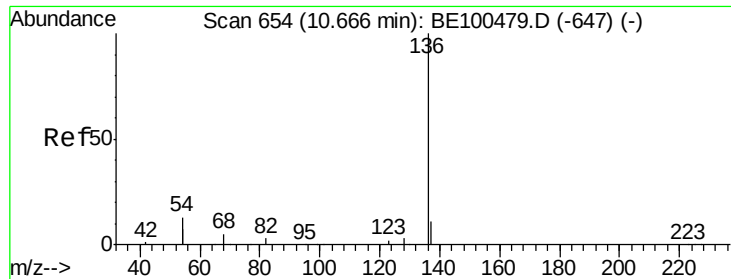
Delta R.T. -0.01 min

Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

Tgt Ion:	93	Resp:	866
Ion	Ratio	Lower	Upper
93	100		
63	286.6	248.3	372.5
95	36.3	25.4	38.0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

Instrument :

BNA_E

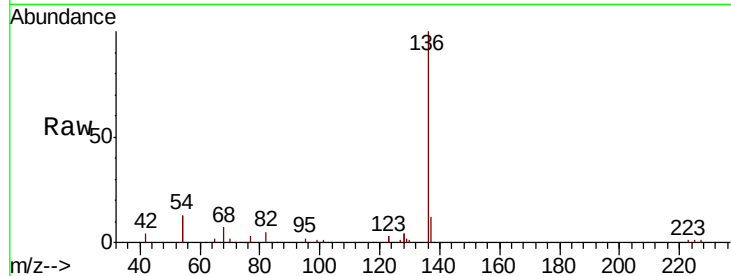
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion	136	Resp:	8153
Ion Ratio	Lower	Upper	
136	100		
137	12.2	9.8	14.6
54	26.5	20.6	31.0
68	6.7	5.3	7.9

Manual Integrations
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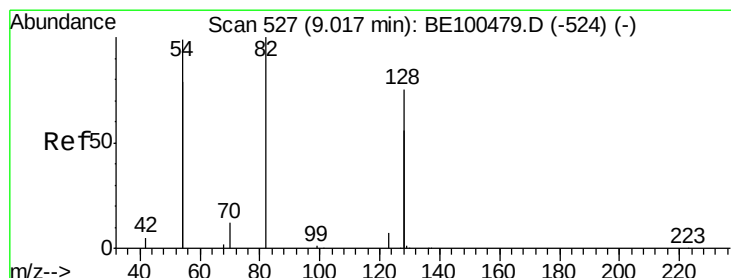
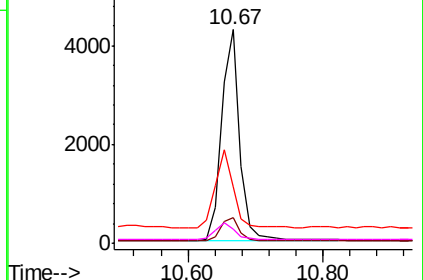
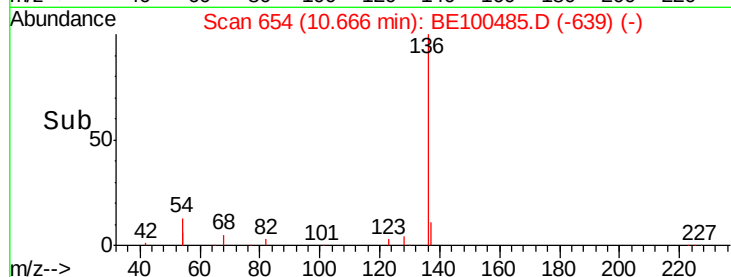


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.357 ng

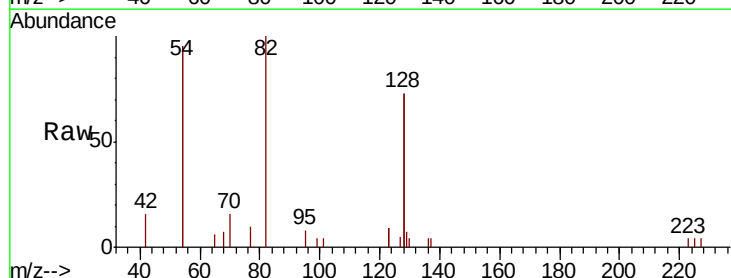
RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

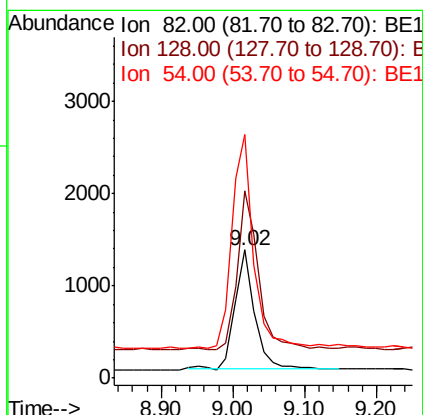
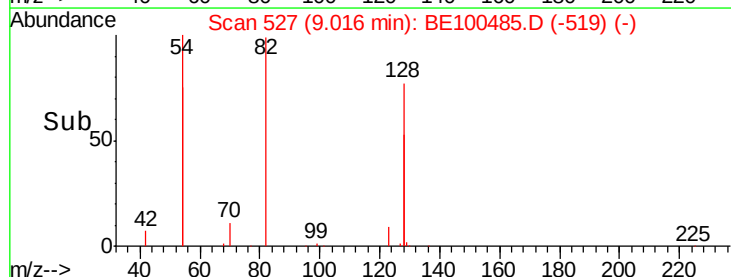
Tgt Ion	82	Resp:	2419
Ion Ratio	Lower	Upper	
82	100		
128	145.7	113.6	170.4
54	189.7	150.6	226.0

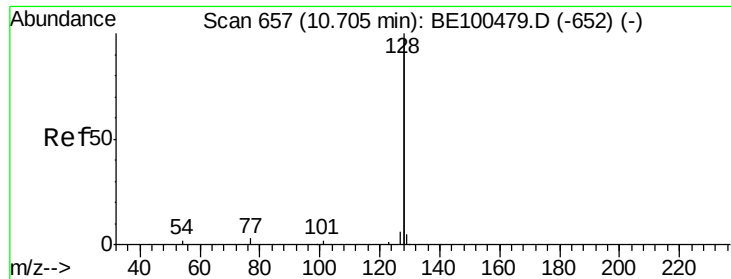


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.138 ng

RT: 10.71 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

Instrument :

BNA_E

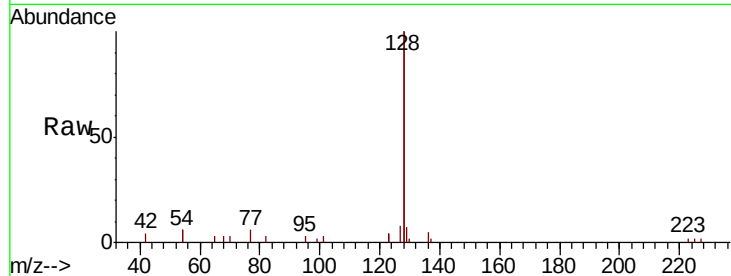
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

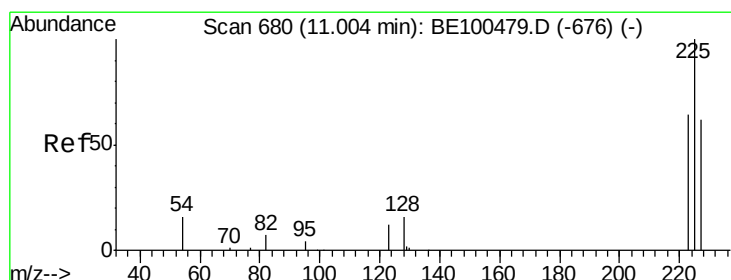
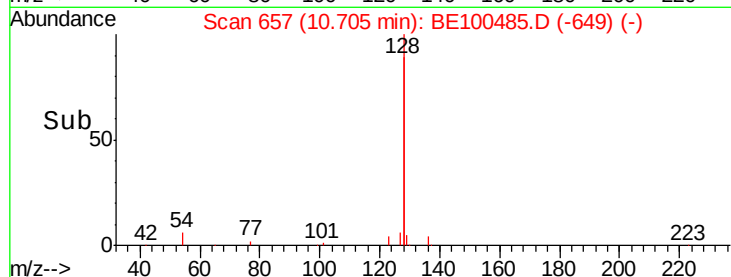
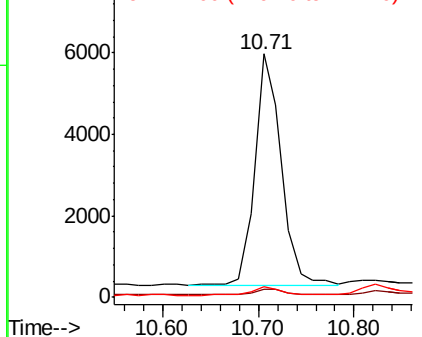
Tot Ion:	128	Resp:	10815
Ion Ratio	Lower	Upper	
128	100		
129	3.5	2.3	3.5#
127	4.2	2.7	4.1#

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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: 0.130 ng

RT: 11.00 min Scan# 680

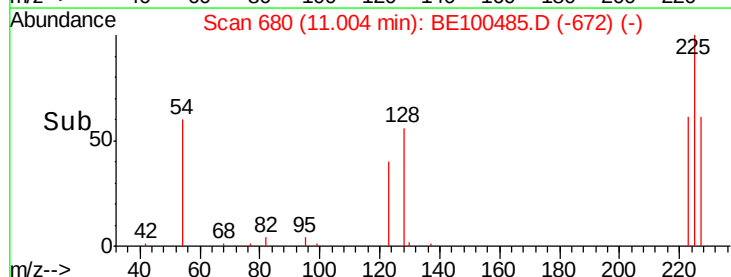
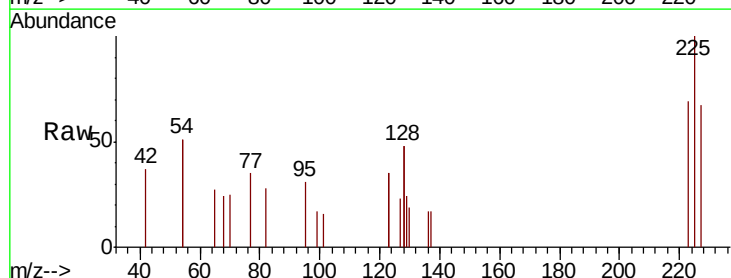
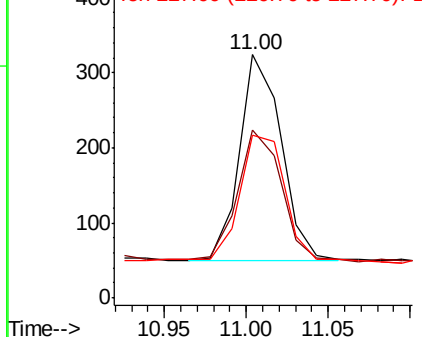
Delta R.T. -0.00 min

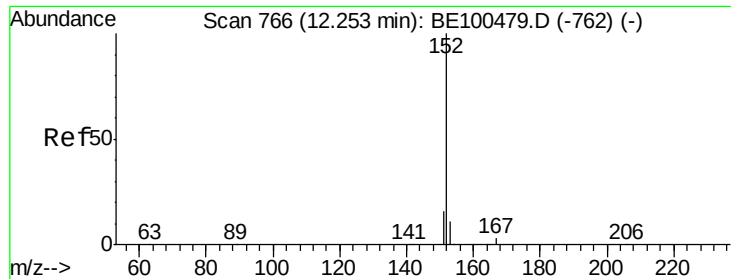
Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

Tgt Ion:	225	Resp:	487
Ion Ratio	Lower	Upper	
225	100		
223	64.5	49.4	74.0
227	64.9	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





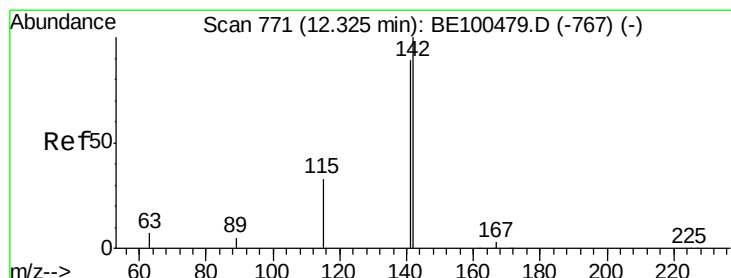
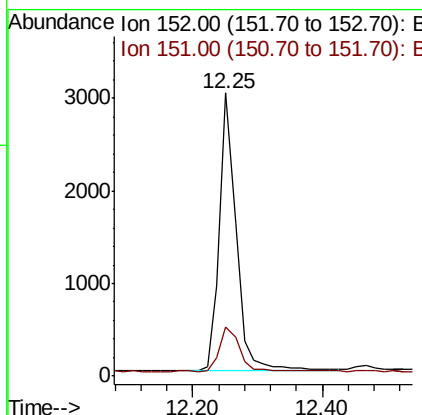
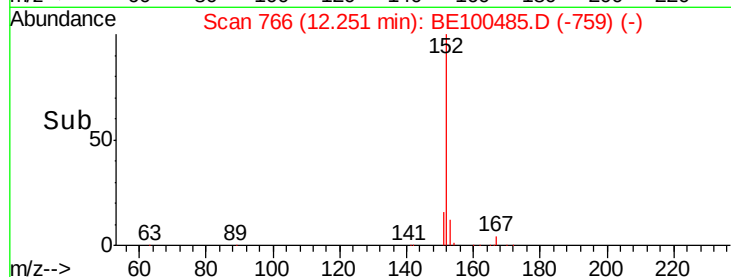
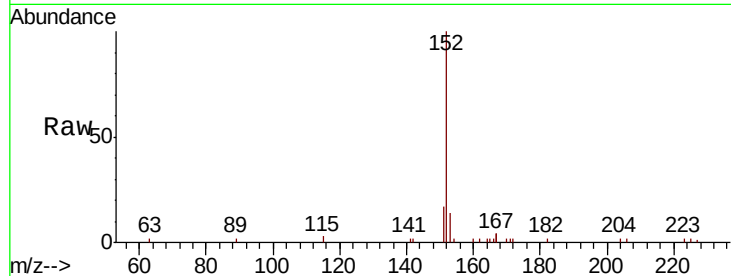
#11
 2-Methylnaphthalene-d10
 Concen: 0.403 ng
 RT: 12.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: BE100485.D
 Acq: 22 Jul 2019 18:15

Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.1	22.7

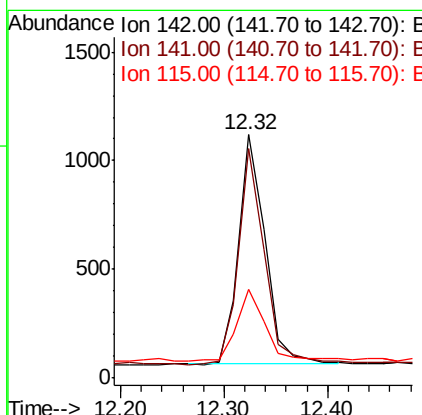
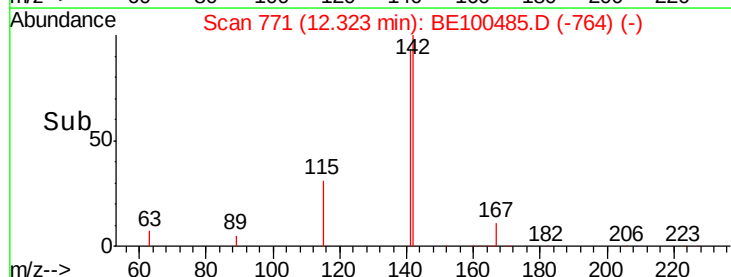
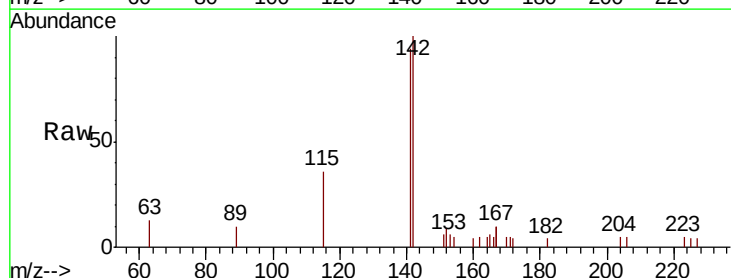
Manual Integrations
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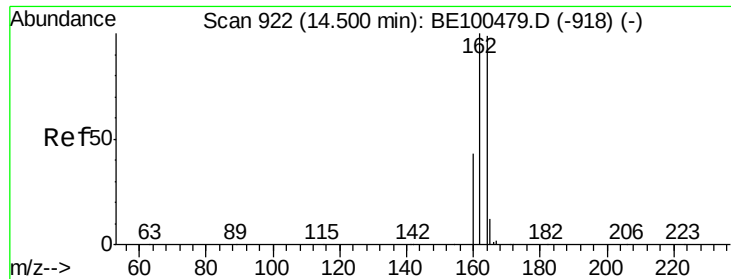
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#12
 2-Methylnaphthalene
 Concen: 0.133 ng
 RT: 12.32 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: BE100485.D
 Acq: 22 Jul 2019 18:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.0	71.7	107.5
115	36.4	27.8	41.6





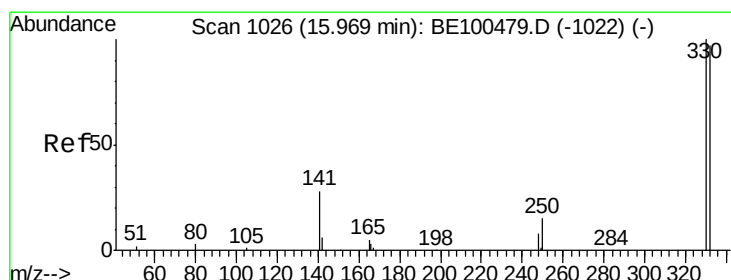
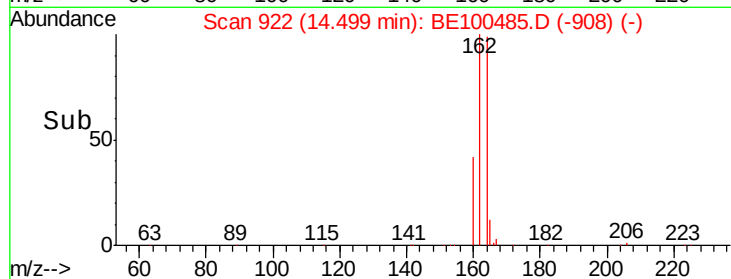
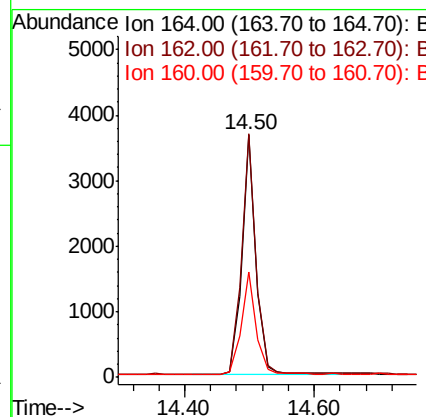
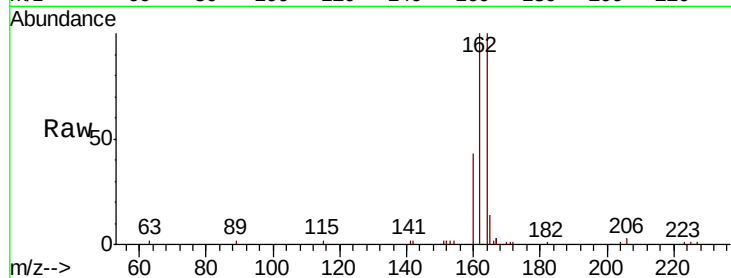
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.8	121.2
160	43.2	34.9	52.3

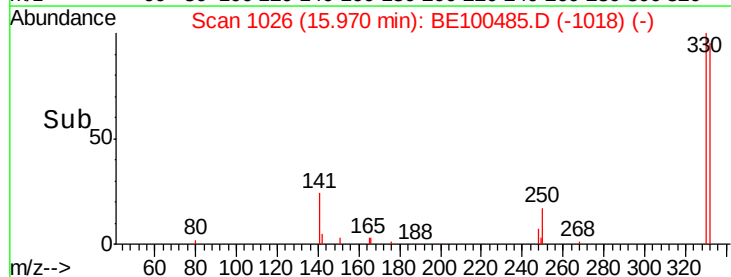
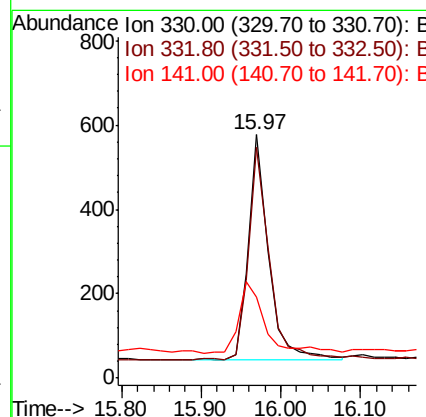
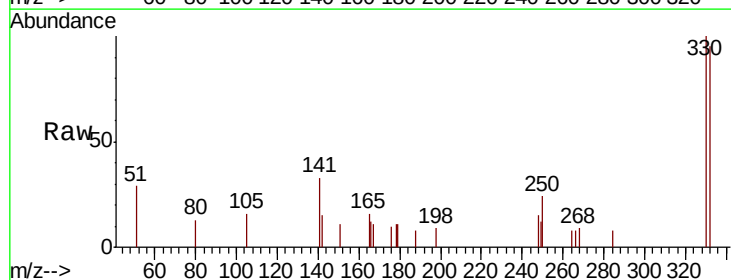
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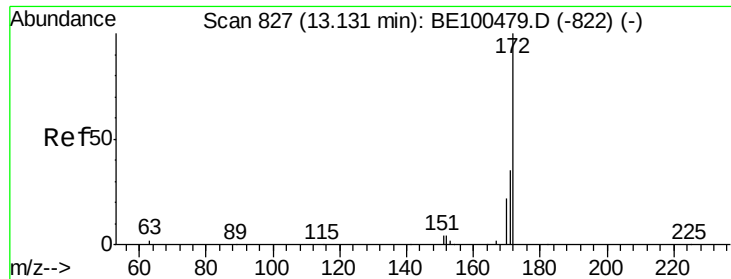
mohammad
7/23/2019 4:32:29 PM



#14
2,4,6-Tribromophenol
Concen: 0.395 ng
RT: 15.97 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.8	80.5	120.7
141	41.3	29.9	44.9





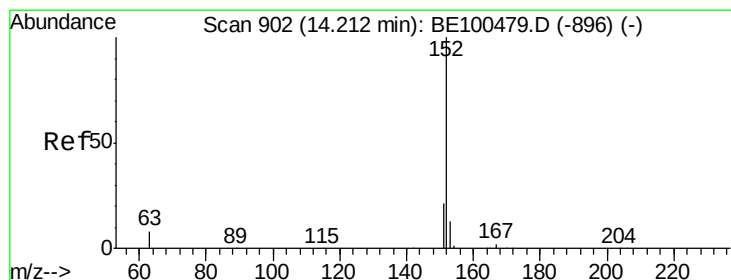
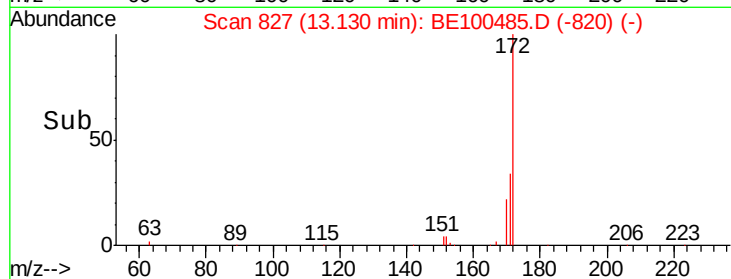
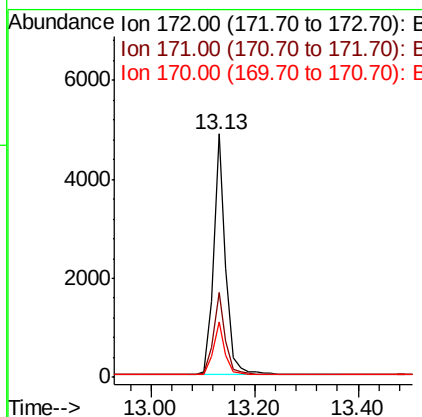
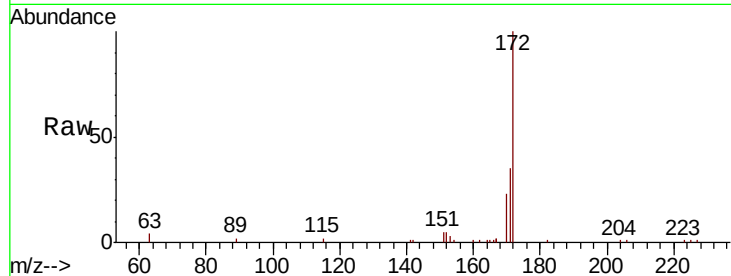
#15
2-Fluorobiphenyl
Concen: 0.366 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.00 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	22.7	17.8	26.8

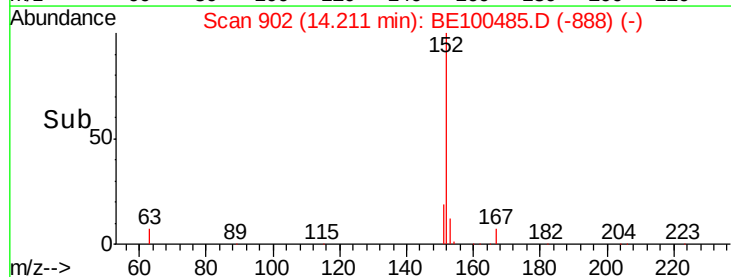
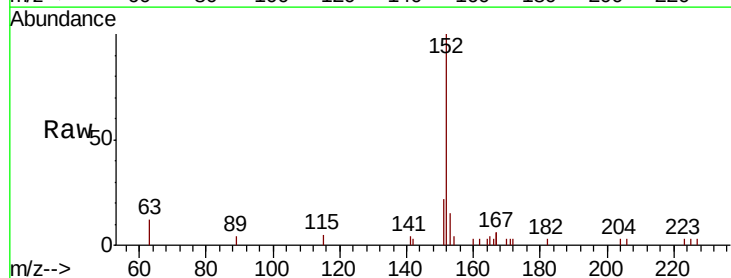
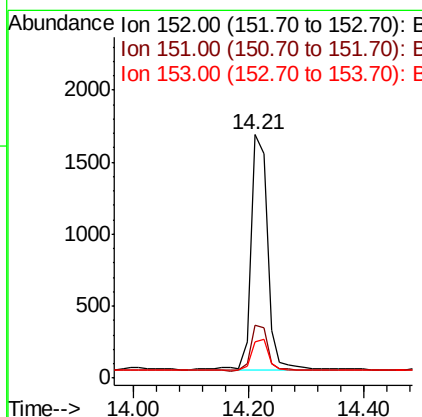
Manual Integrations
APPROVED

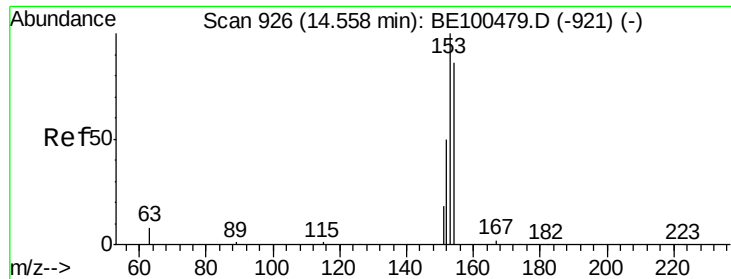
mohammad
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#16
Acenaphthylene
Concen: 0.131 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	14.2	10.6	16.0





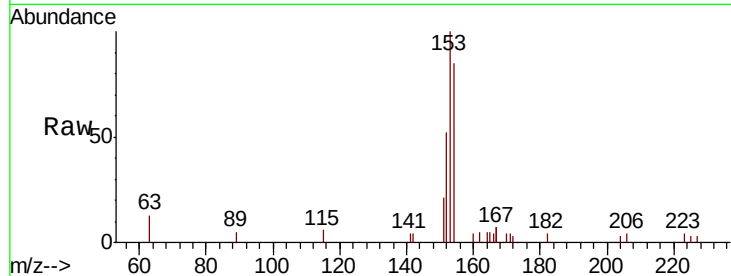
#17
Acenaphthene
Concen: 0.127 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.9	90.8	136.2
152	58.6	45.1	67.7

Manual Integrations
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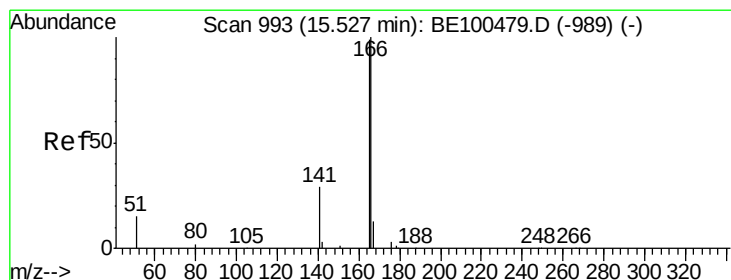
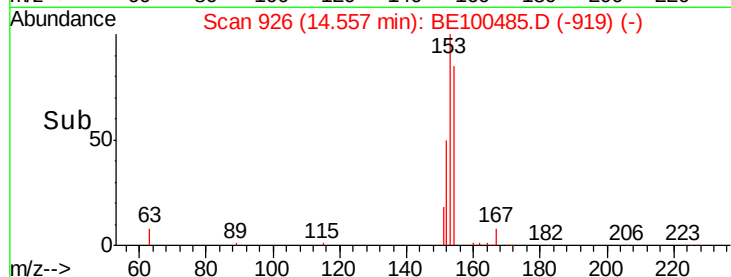
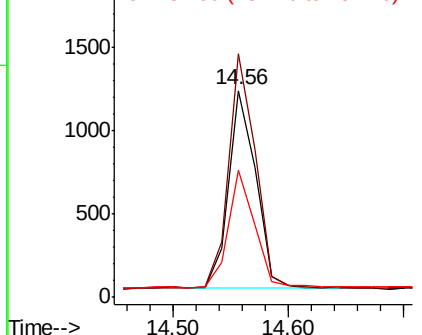


Abundance

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



#18
Fluorene
Concen: 0.134 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

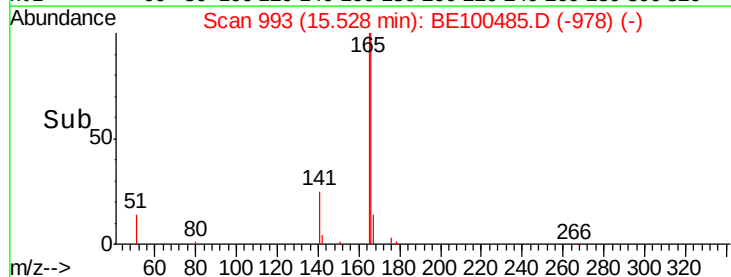
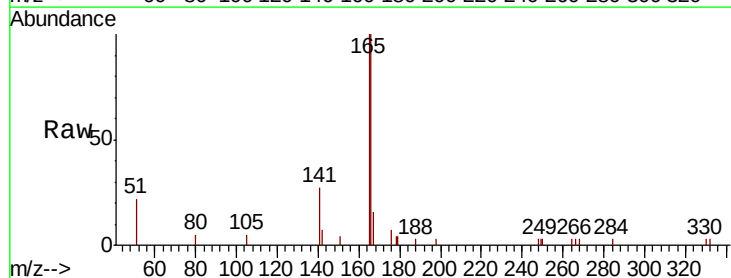
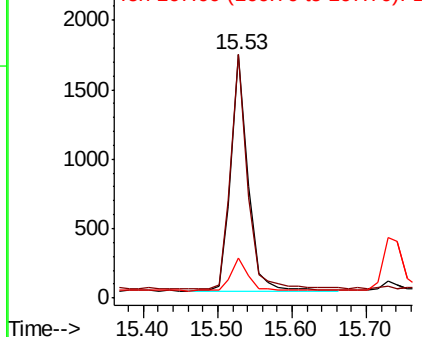
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.3	117.5
167	14.6	10.9	16.3

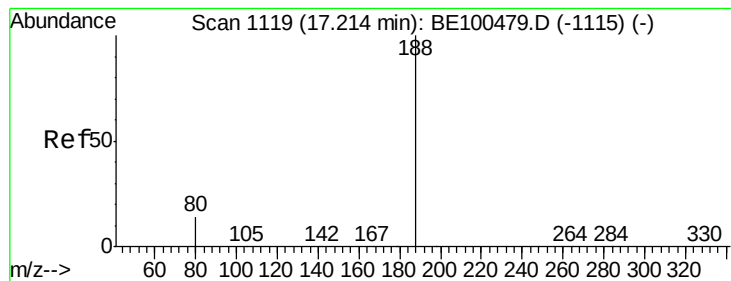
Abundance

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: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

Instrument :

BNA_E

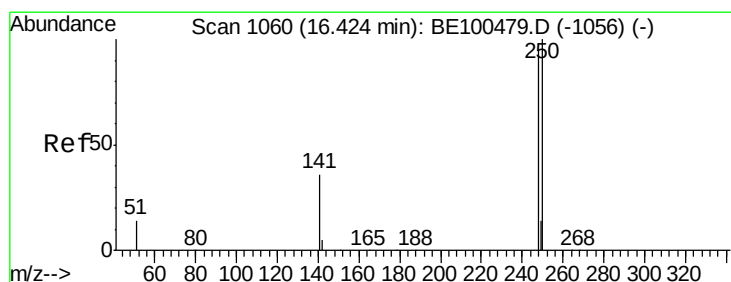
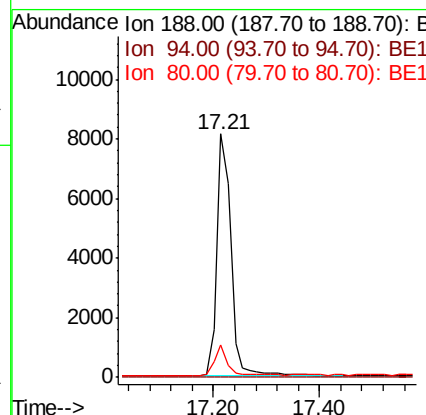
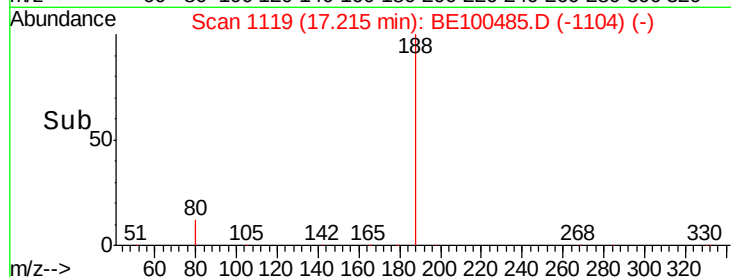
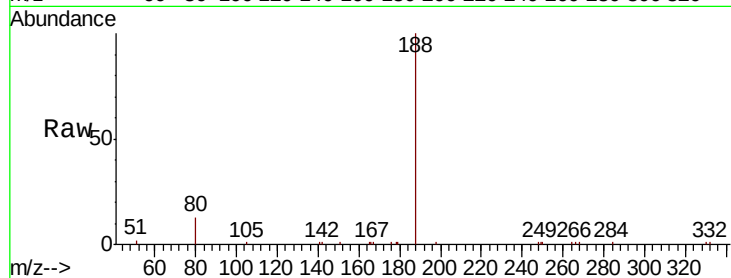
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	188	Resp:	14706
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	13.2	11.9	17.9

Manual Integrations
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#20

4-Bromophenyl-phenylether

Concen: 0.127 ng

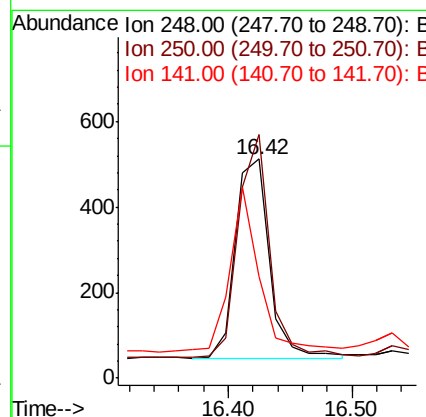
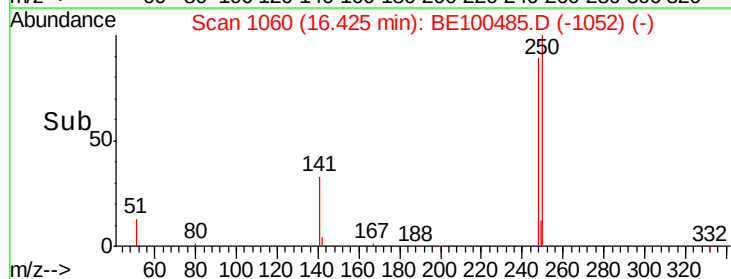
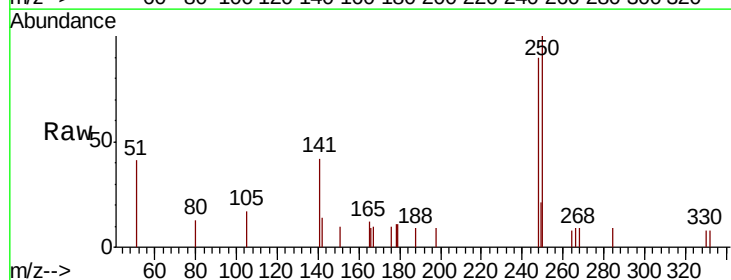
RT: 16.42 min Scan# 1060

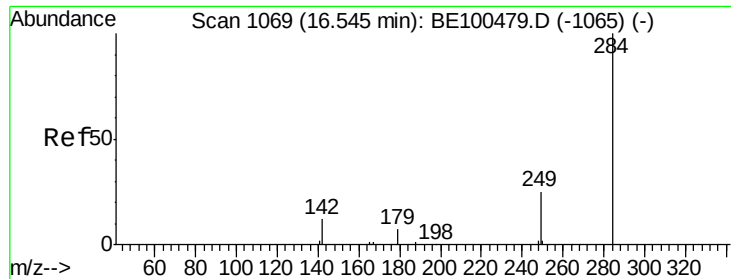
Delta R.T. 0.00 min

Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

Tgt Ion:	248	Resp:	890
Ion Ratio	Lower	Upper	
248	100		
250	111.1	84.4	126.6
141	46.3	32.2	48.2





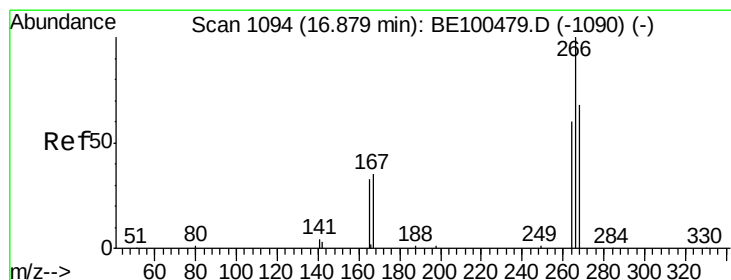
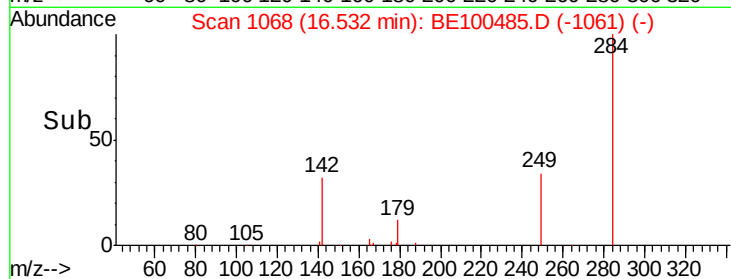
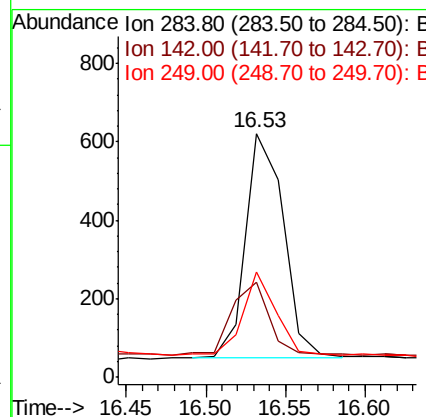
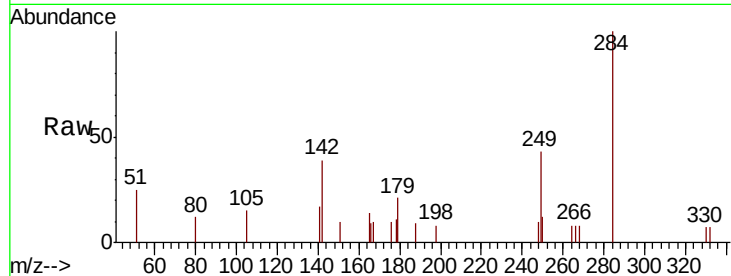
#21
Hexachlorobenzene
Concen: 0.133 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:284	Resp:	958
Ion Ratio	Lower	Upper
284 100		
142 33.0	26.7	40.1
249 32.6	25.0	37.4

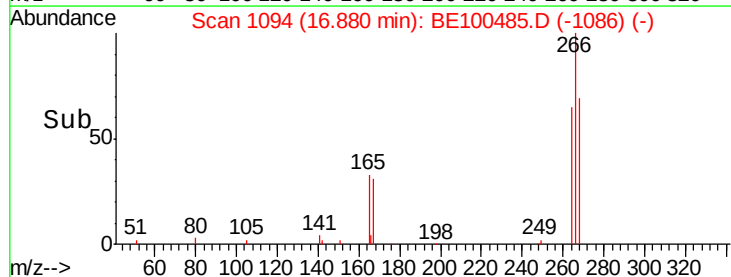
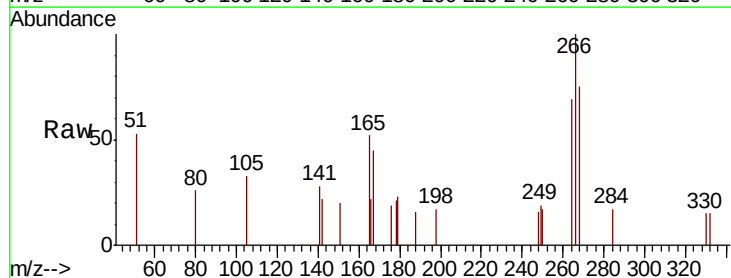
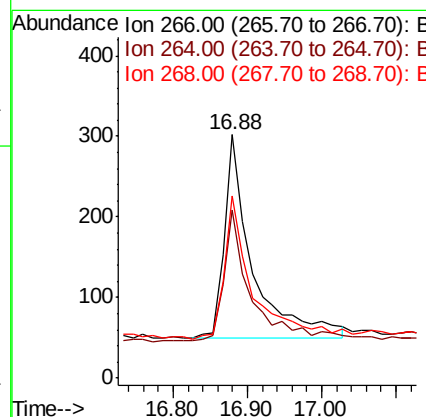
Manual Integrations
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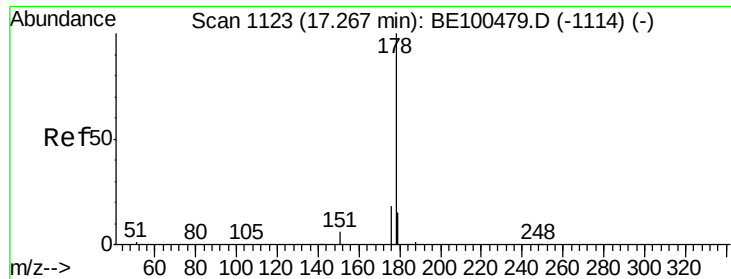
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#22
Pentachlorophenol
Concen: 0.218 ng
RT: 16.88 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

Tgt Ion:266	Resp:	662
Ion Ratio	Lower	Upper
266 100		
264 68.9	50.4	75.6
268 74.8	56.6	85.0





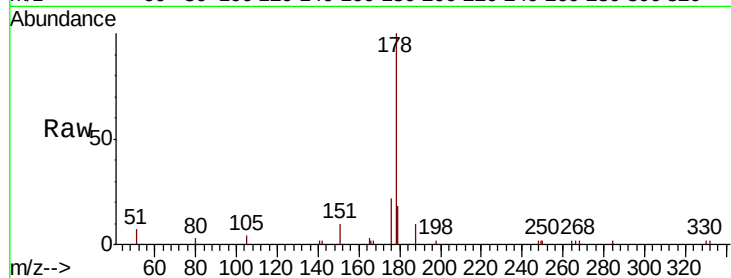
#23
Phenanthrene
Concen: 0.136 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	16.2	12.6	18.8

Manual Integrations
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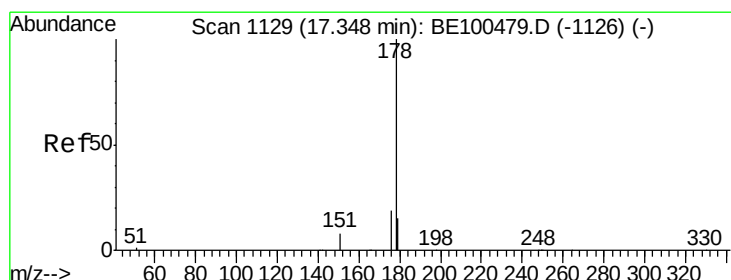
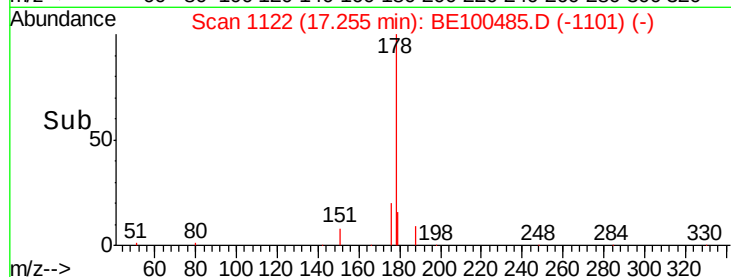
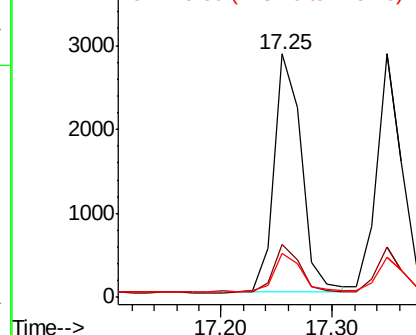


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24
Anthracene
Concen: 0.129 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

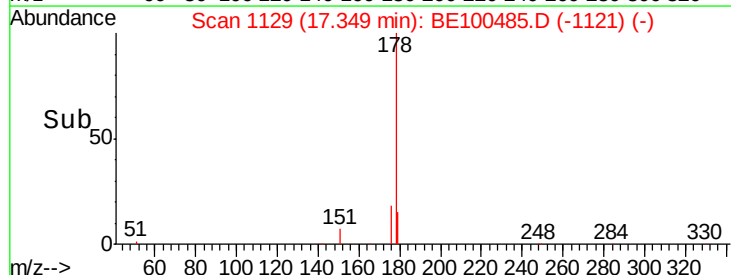
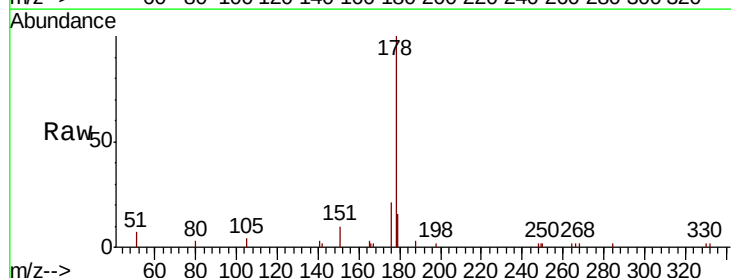
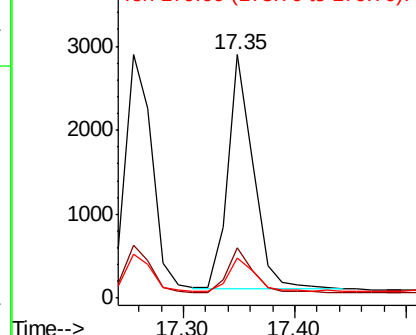
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.1	12.2	18.2

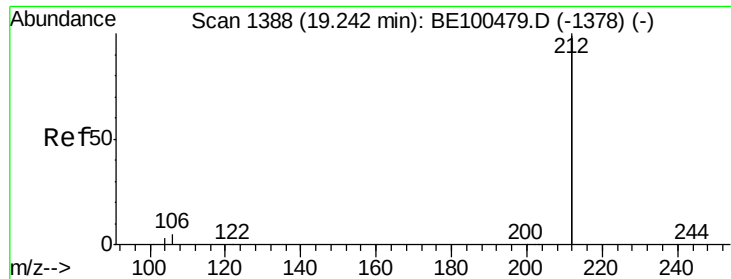
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.415 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

Instrument :

BNA_E

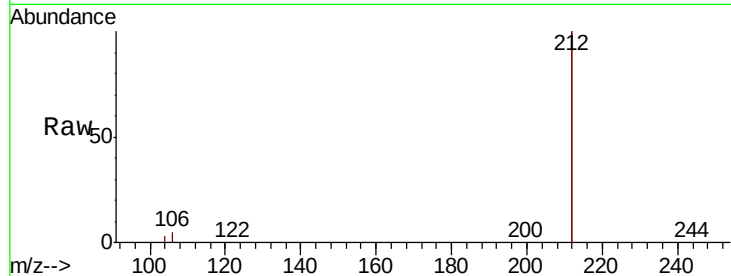
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

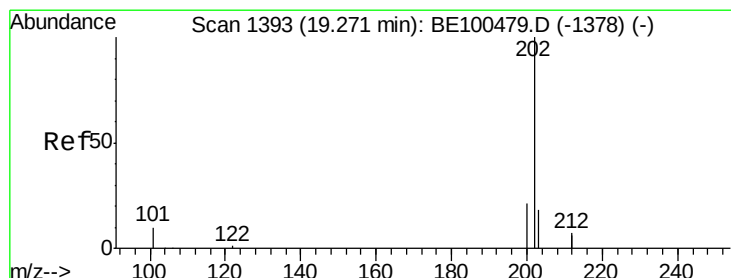
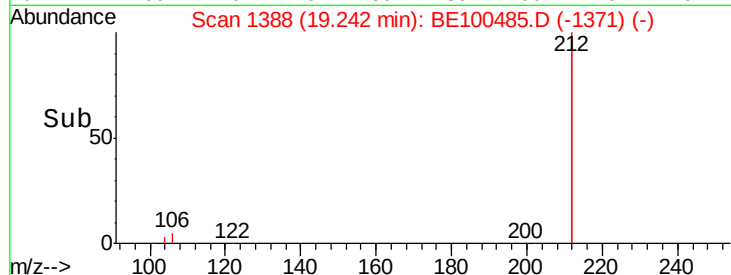
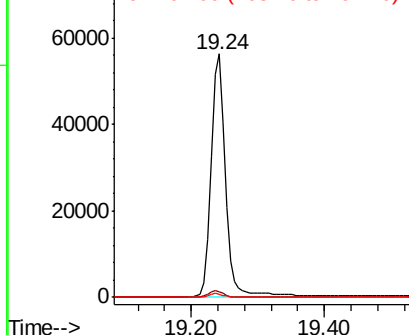
Tot Ion	Ion	Ratio	Resp	Lower	Upper
212	100		83586		
106	2.8	2.2	3.4		
104	1.5	1.2	1.8		

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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: 0.140 ng

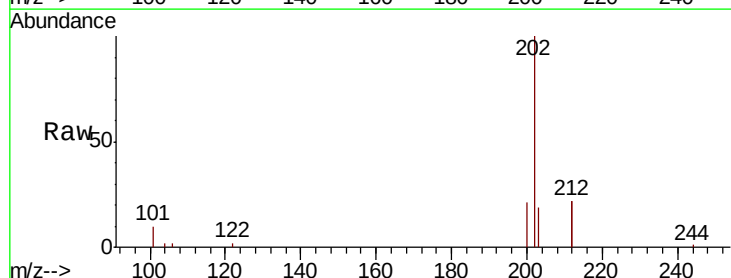
RT: 19.27 min Scan# 1393

Delta R.T. 0.00 min

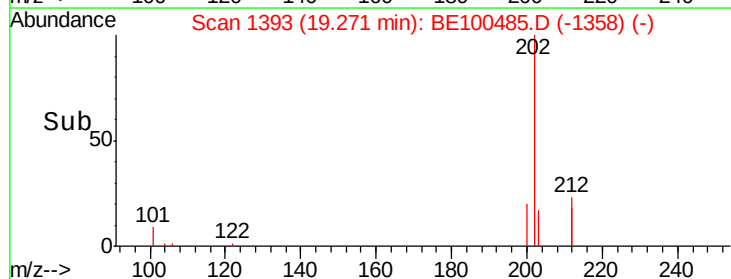
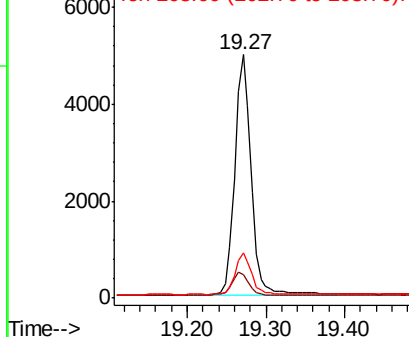
Lab File: BE100485.D

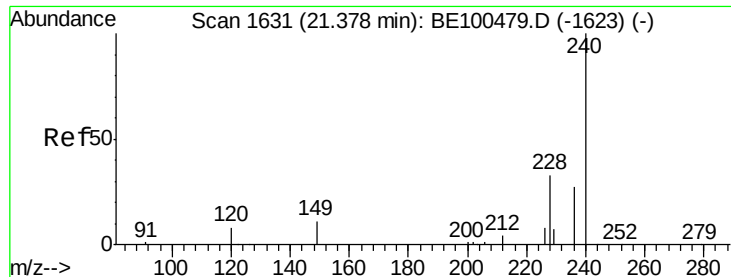
Acq: 22 Jul 2019 18:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		7267		
101	10.5	8.0	12.0		
203	17.4	13.5	20.3		



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





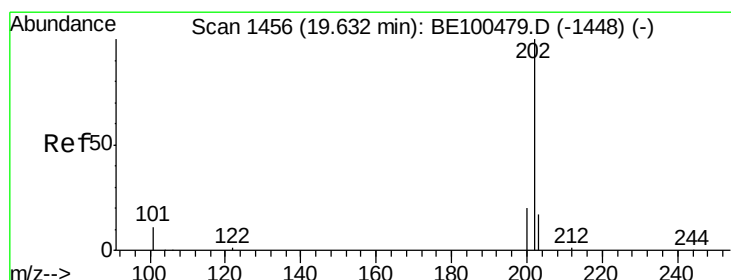
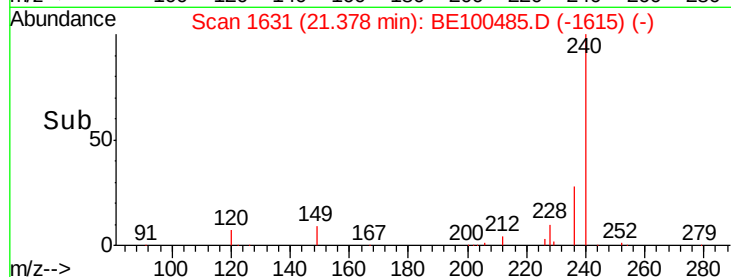
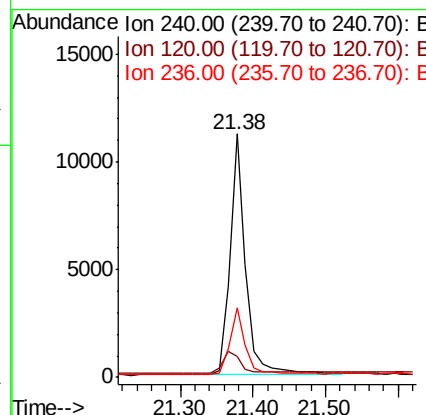
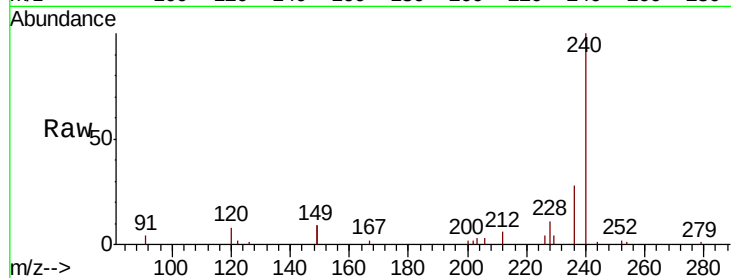
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.3	8.2	12.2
236	28.4	22.6	34.0

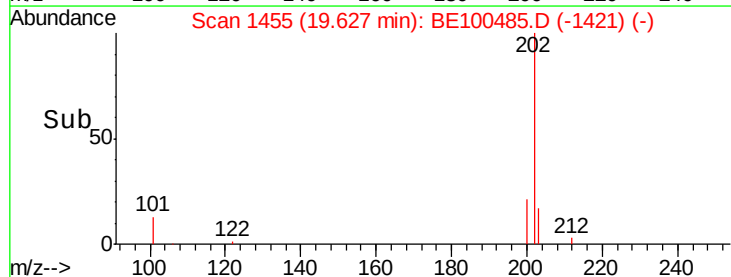
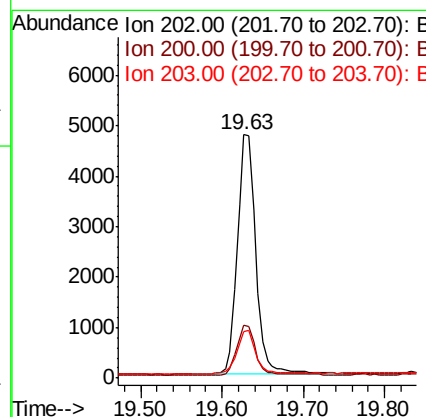
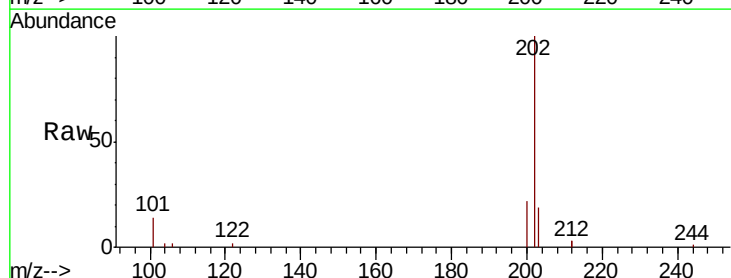
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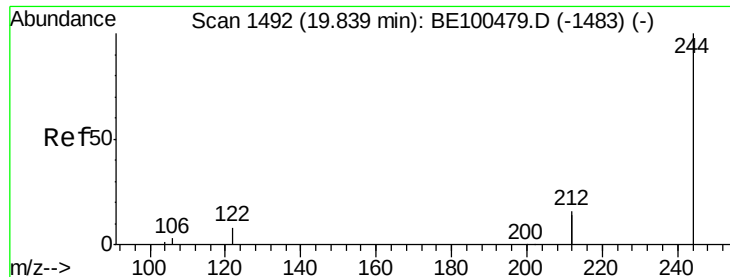
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#28
Pyrene
Concen: 0.140 ng
RT: 19.63 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	18.5	14.1	21.1





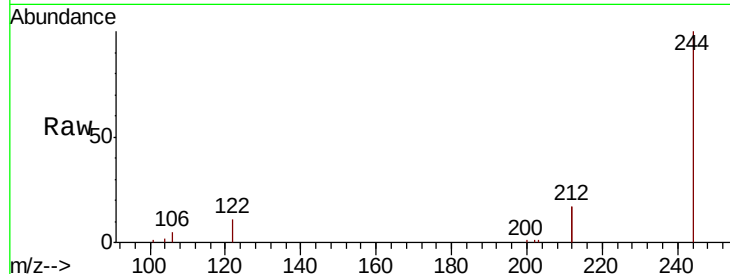
#29
 Terphenyl-d14
 Concen: 0.389 ng
 RT: 19.83 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BE100485.D
 Acq: 22 Jul 2019 18:15

Instrument :
 BNA_E
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
244	100		
212	33.2	25.6	38.4
122	10.9	7.2	10.8

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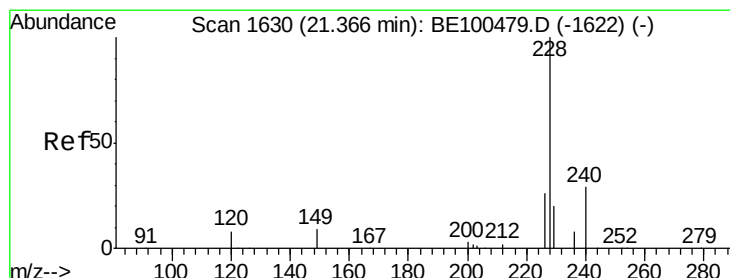
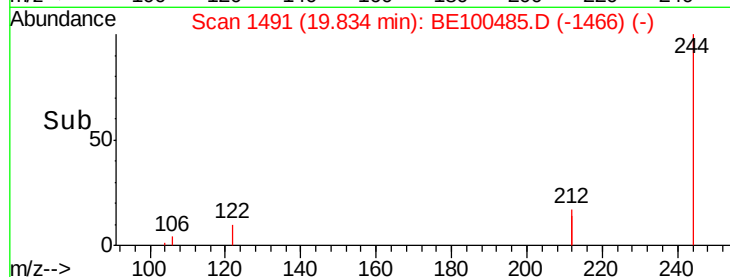
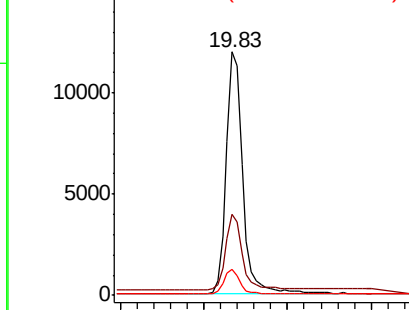


Abundance

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: 0.136 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE100485.D
 Acq: 22 Jul 2019 18:15

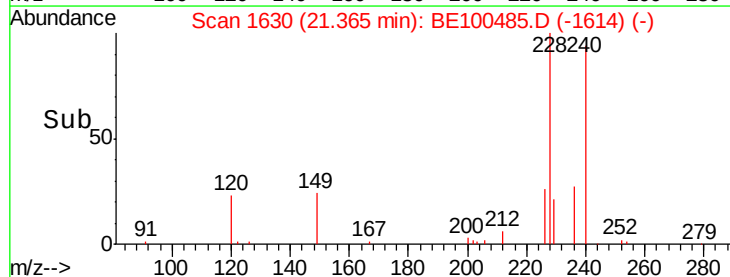
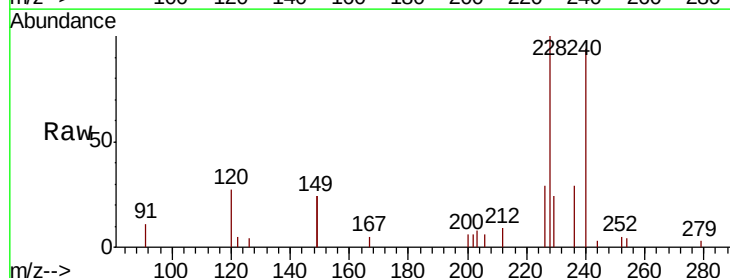
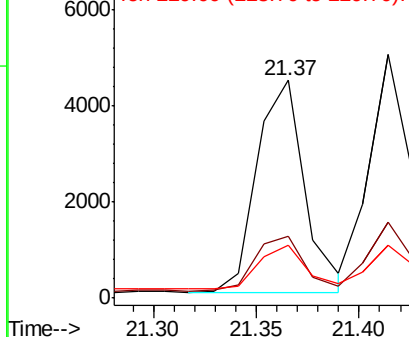
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.4	32.2
229	24.2	17.3	25.9

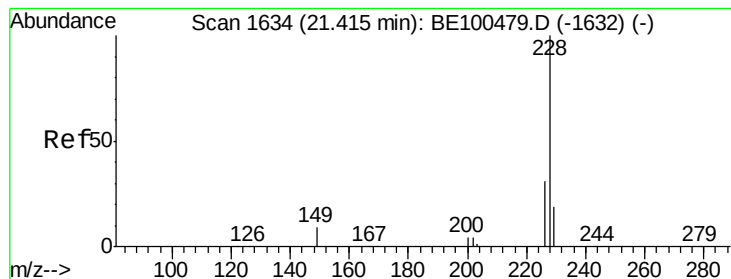
Abundance

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: 0.135 ng

RT: 21.41 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

Instrument :

BNA_E

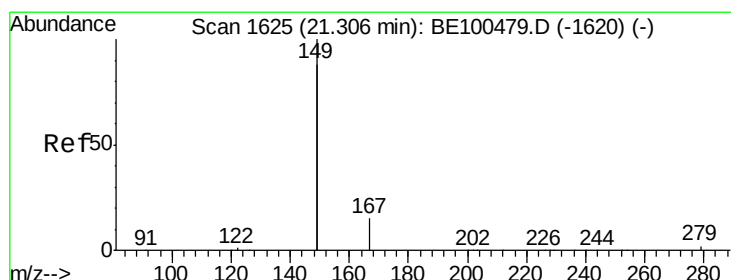
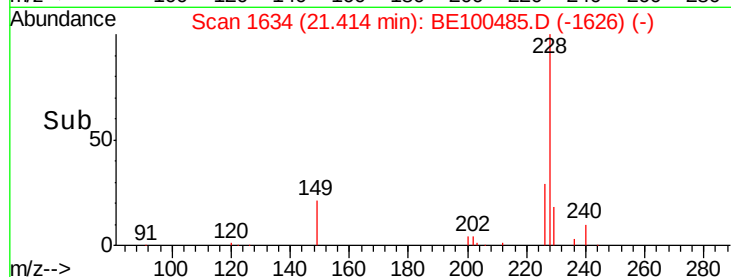
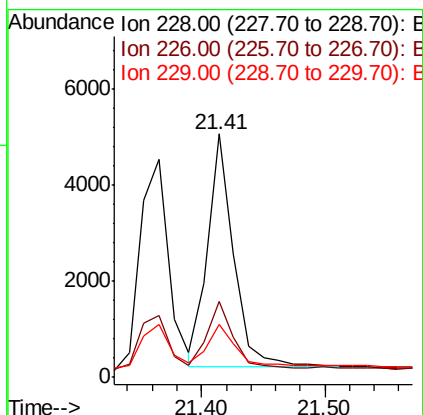
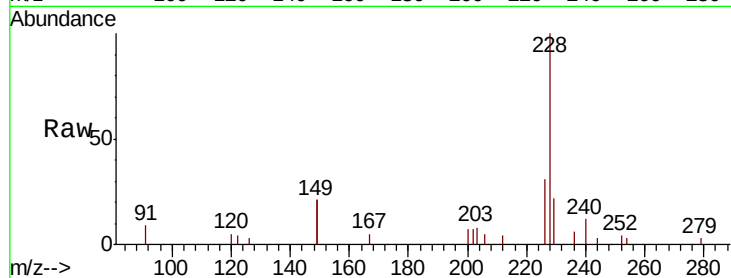
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	228	Resp:	7016
Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	21.9	16.7	25.1

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.132 ng

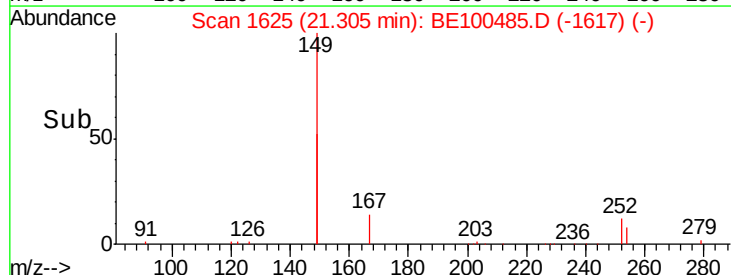
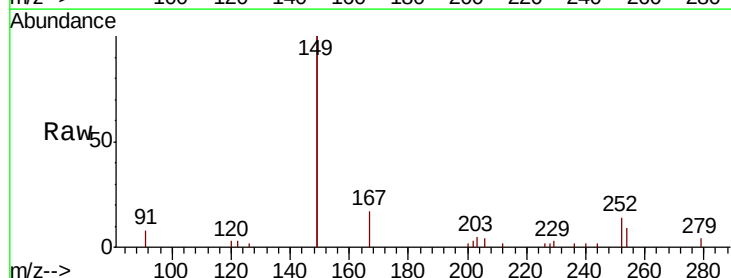
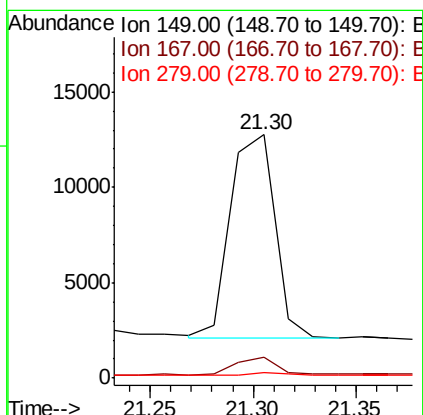
RT: 21.30 min Scan# 1625

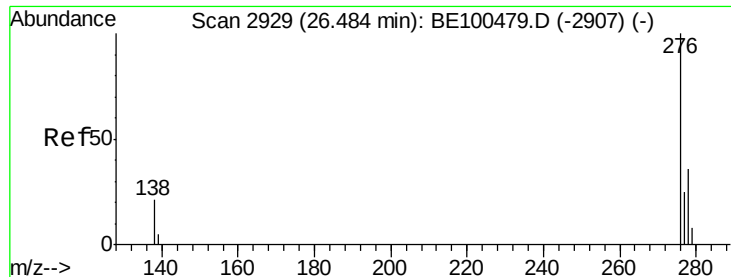
Delta R.T. -0.00 min

Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

Tgt Ion:	149	Resp:	15989
Ion	Ratio	Lower	Upper
149	100		
167	7.8	5.9	8.9
279	1.6	1.0	1.6#





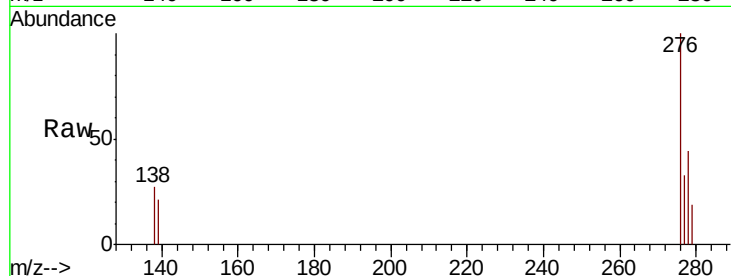
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.140 ng
RT: 26.48 min Scan# 2929
Delta R.T. 0.00 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	16.6	25.0
277	22.9	19.1	28.7

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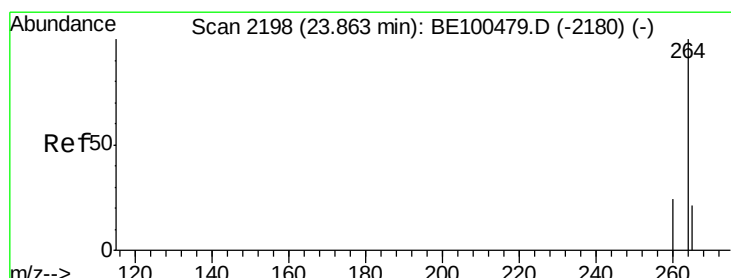
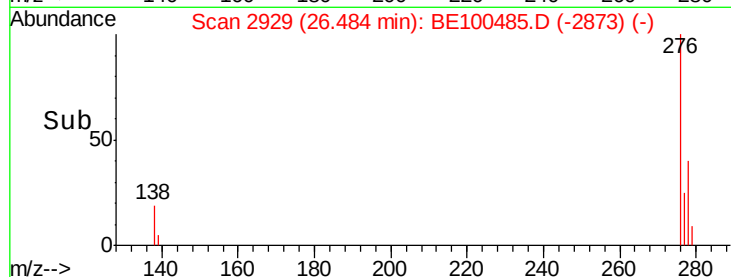
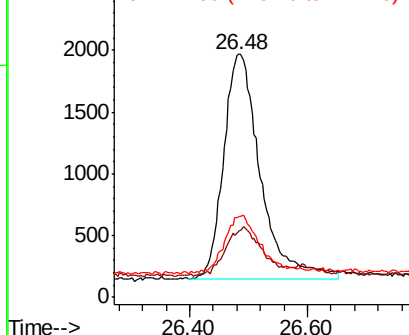


Abundance

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: 23.86 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

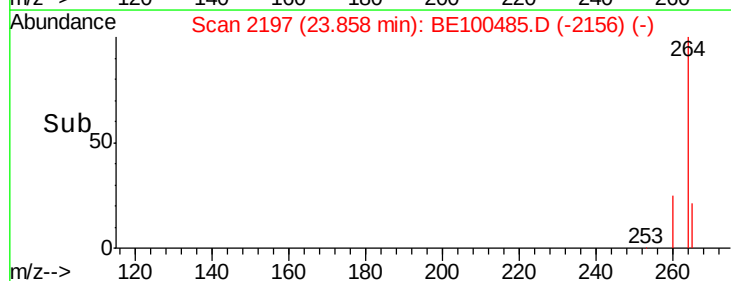
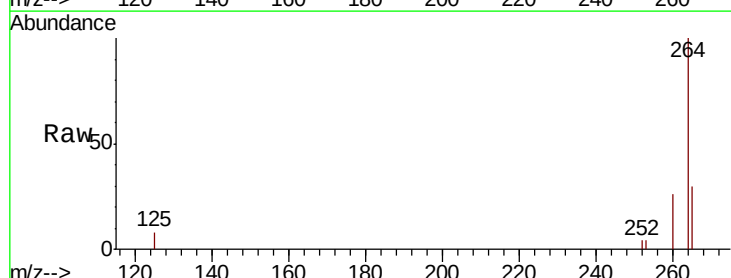
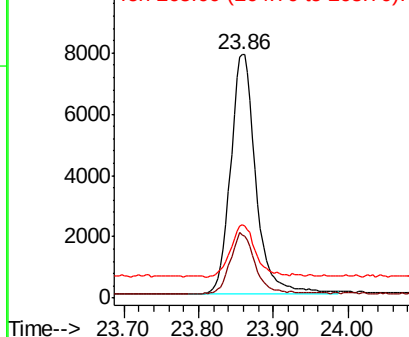
Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.7	31.1
265	29.9	23.4	35.2

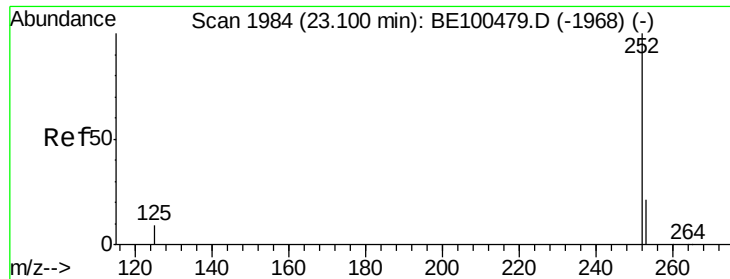
Abundance

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





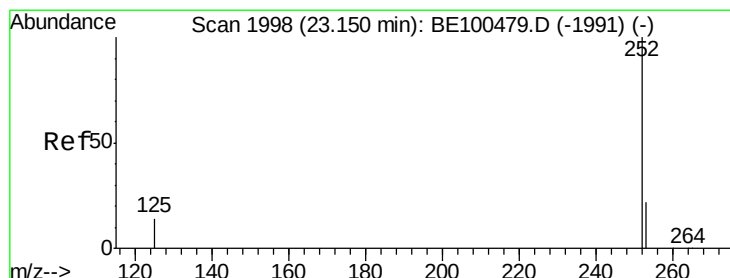
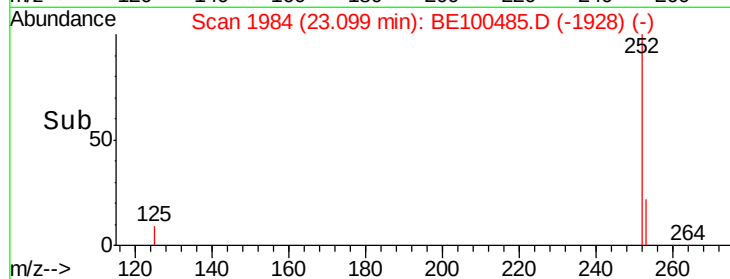
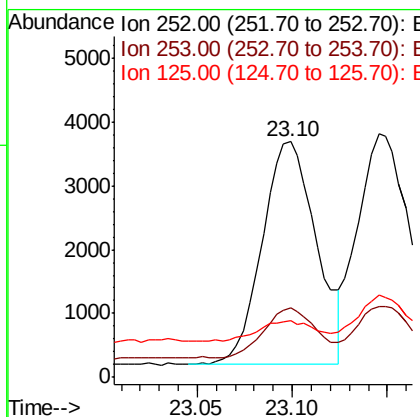
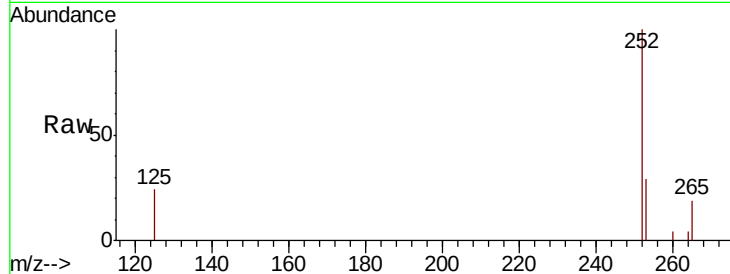
#35
Benzo(b)fluoranthene
Concen: 0.137 ng
RT: 23.10 min Scan# 1984
Delta R.T. -0.00 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.3	19.2	28.8#
125	24.1	11.9	17.9#

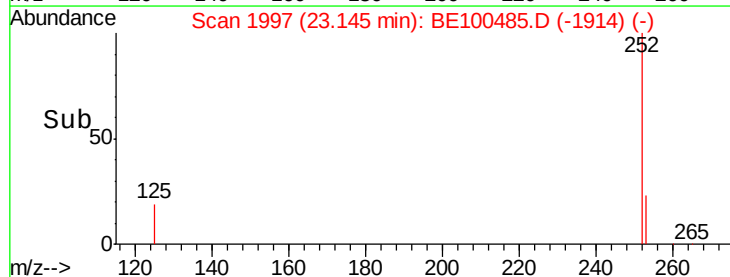
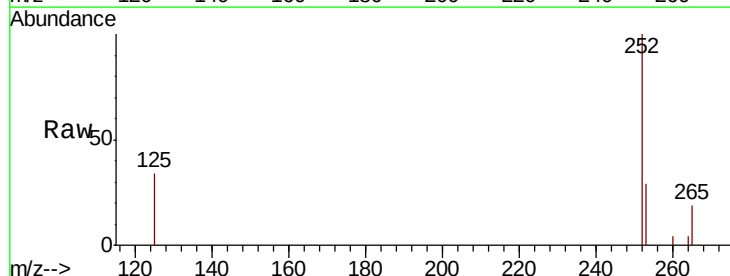
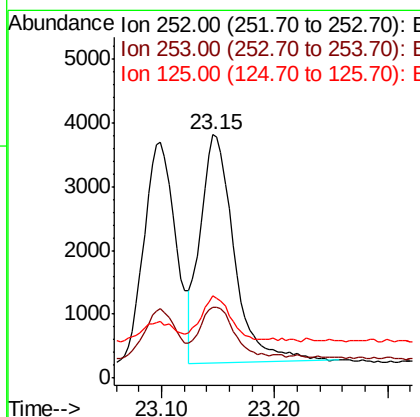
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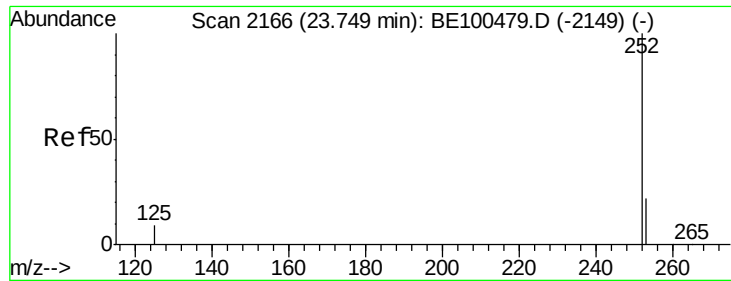
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#36
Benzo(k)fluoranthene
Concen: 0.140 ng
RT: 23.15 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BE100485.D
Acq: 22 Jul 2019 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.3	19.7	29.5
125	33.6	15.2	22.8#





#37

Benzo(a)pyrene

Concen: 0.145 ng

RT: 23.75 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

Instrument :

BNA_E

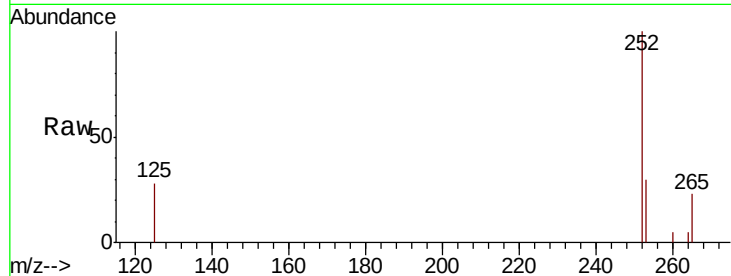
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.8	20.0	30.0
125	28.4	14.1	21.1

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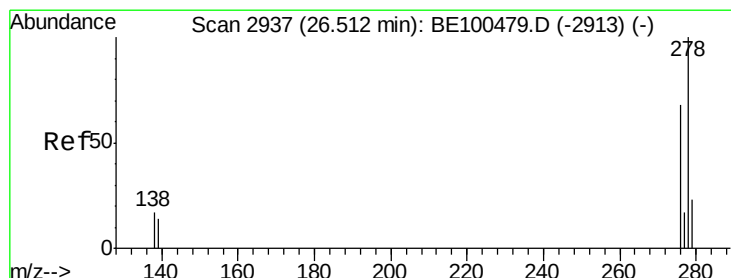
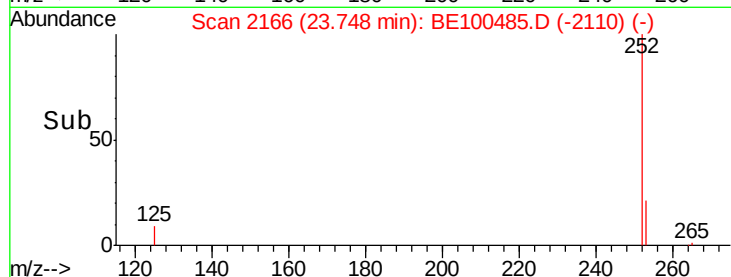
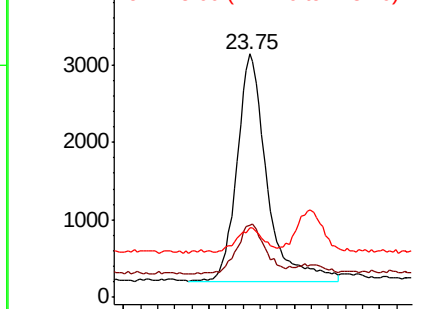


Abundance

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: 0.133 ng

RT: 26.52 min Scan# 2938

Delta R.T. 0.00 min

Lab File: BE100485.D

Acq: 22 Jul 2019 18:15

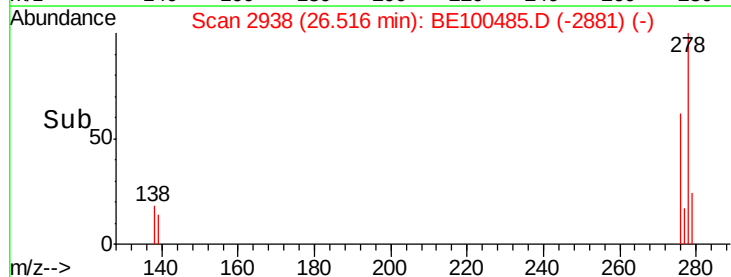
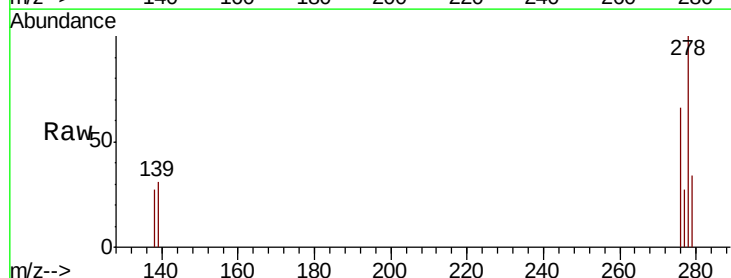
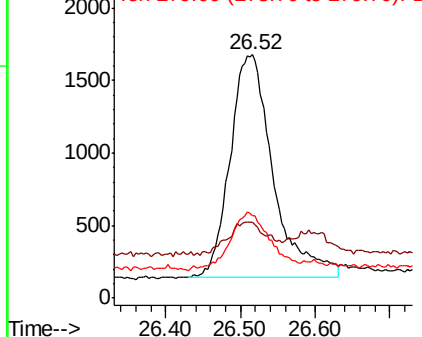
Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.1	16.8	25.2
279	33.9	21.8	32.8

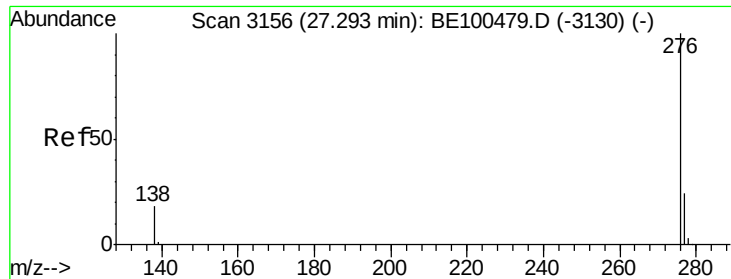
Abundance

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: 0.143 ng

RT: 27.28 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BE100485.D

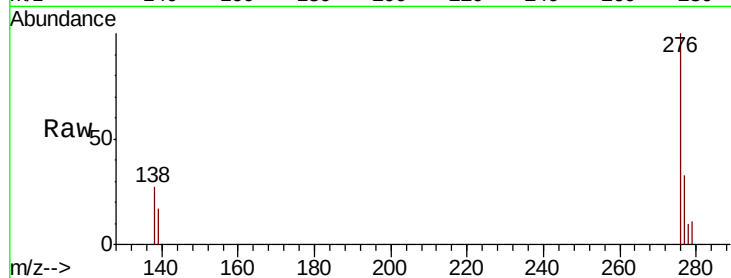
Acq: 22 Jul 2019 18:15

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019



Tot Ion:	276	Resp:	6811
Ion Ratio	Lower	Upper	
276	100		
277	32.7	22.0	33.0
138	26.6	17.3	25.9

Manual Integrations
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