

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011422\
 Data File : BM033739.D
 Acq On : 14 Jan 2022 21:47
 Operator : CG/JU
 Sample : N1124-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WASTE-CLASS-BOILER-PIT

Quant Time: Jan 17 00:27:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM010522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 13 07:49:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

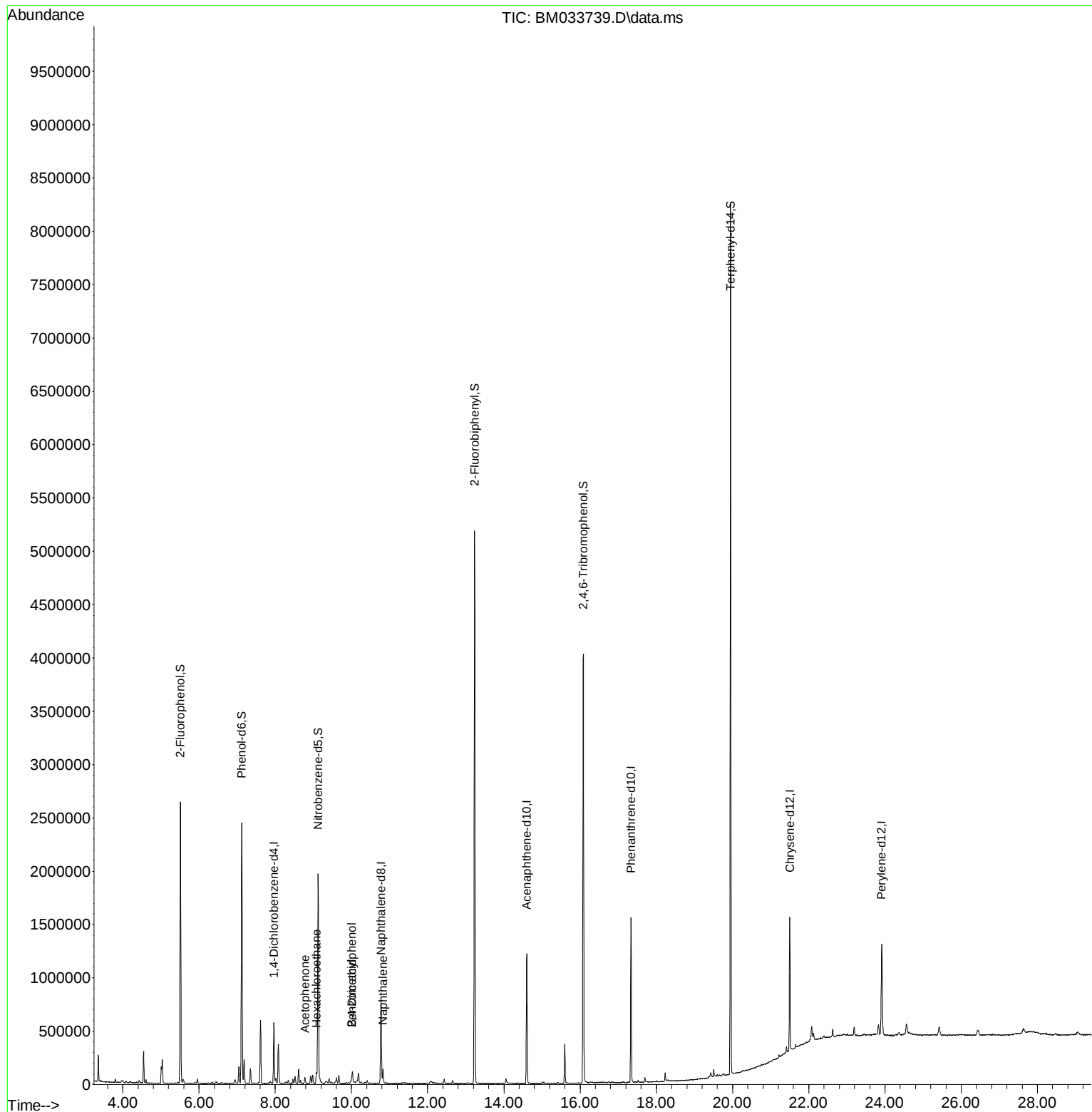
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.960	152	144855	20.000	ng	-0.01
21) Naphthalene-d8	10.778	136	625731	20.000	ng	#-0.01
39) Acenaphthene-d10	14.601	164	415965	20.000	ng	0.00
64) Phenanthrene-d10	17.336	188	870396	20.000	ng	0.00
76) Chrysene-d12	21.500	240	594573	20.000	ng	0.00
86) Perylene-d12	23.912	264	619963	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.513	112	1077566	117.322	ng	0.00
7) Phenol-d6	7.119	99	1300689	105.074	ng	0.00
23) Nitrobenzene-d5	9.125	82	1067860	78.814	ng	-0.01
42) 2,4,6-Tribromophenol	16.083	330	734947	169.162	ng	0.00
45) 2-Fluorobiphenyl	13.230	172	2487491	78.326	ng	-0.01
79) Terphenyl-d14	19.948	244	3589422	108.665	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.107	77	8116	Below Cal	#	1
18) Hexachloroethane	9.084	117	11619	2.671	ng	# 1
22) Acetophenone	8.778	105	37197	2.216	ng	# 54
27) 2,4-Dimethylphenol	10.019	122	50478	5.570	ng	# 1
31) Naphthalene	10.825	128	100948	2.944	ng	99
32) Benzoic acid	10.019	122	50478	7.916	ng	# 86

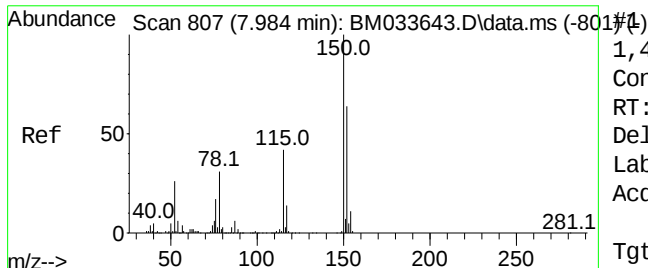
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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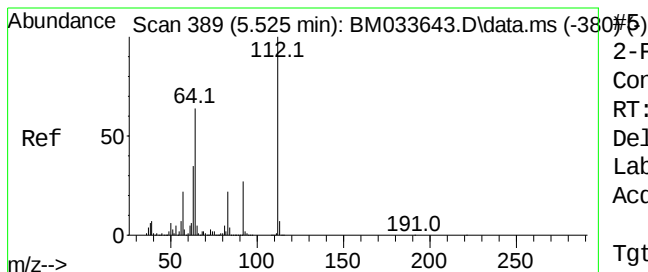
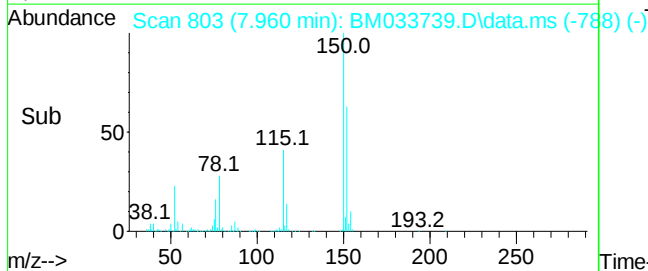
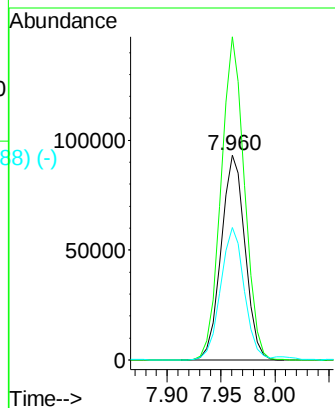
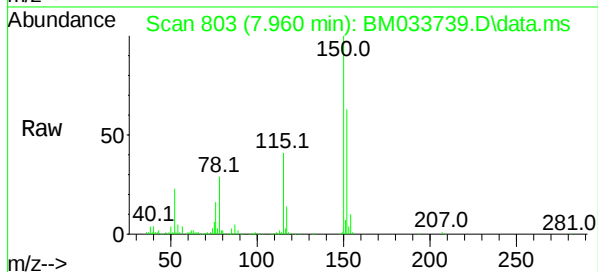




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.960 min Scan# 807
 Delta R.T. -0.012 min
 Lab File: BM033739.D
 Acq: 14 Jan 2022 21:47

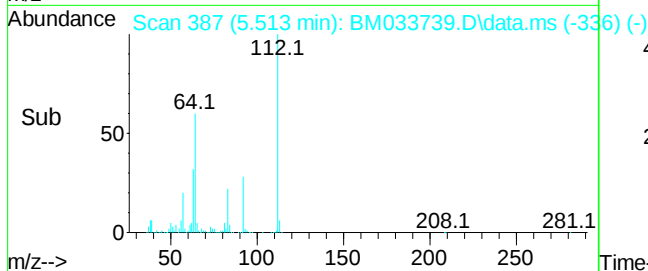
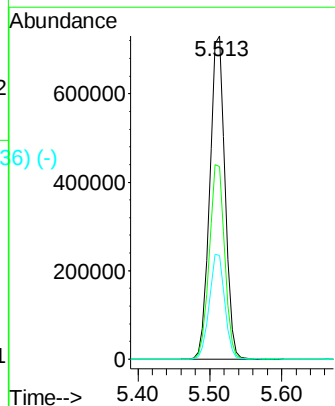
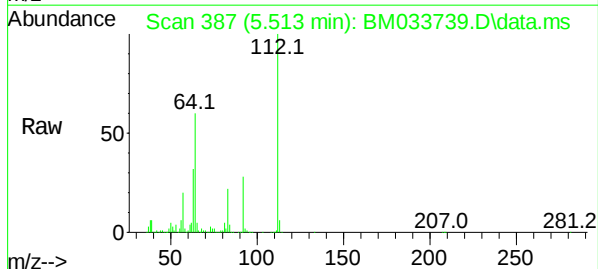
Instrument :
 BNA_M
 ClientSampleId :
 WASTE-CLASS-BOILER-PIT

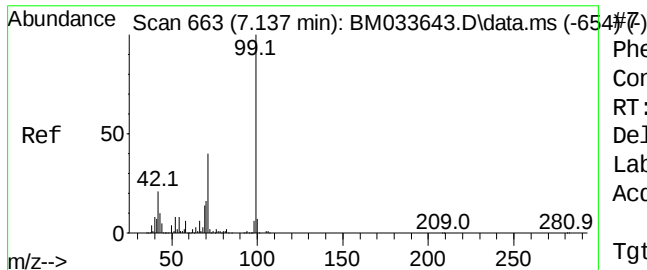
Tgt Ion:152 Resp: 144855
 Ion Ratio Lower Upper
 152 100
 150 157.6 128.9 193.3
 115 64.5 53.0 79.6



2-Fluorophenol
 Concen: 117.322 ng
 RT: 5.513 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: BM033739.D
 Acq: 14 Jan 2022 21:47

Tgt Ion:112 Resp: 1077566
 Ion Ratio Lower Upper
 112 100
 64 59.6 55.5 83.3
 63 32.1 31.3 46.9





Phenol-d6

Concen: 105.074 ng

RT: 7.119 min Scan#

Delta R.T. -0.006 min

Lab File: BM033739.D

Acq: 14 Jan 2022 21:47

Instrument :

BNA_M

ClientSampleId :

WASTE-CLASS-BOILER-PIT

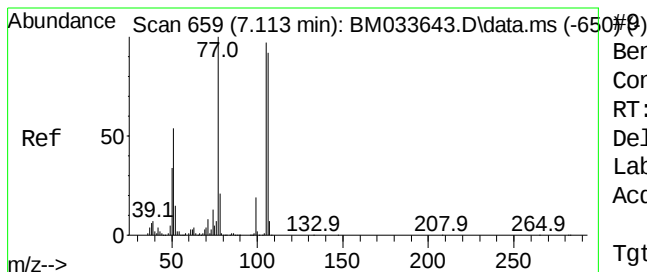
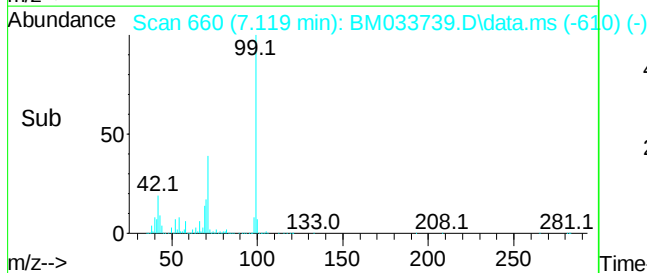
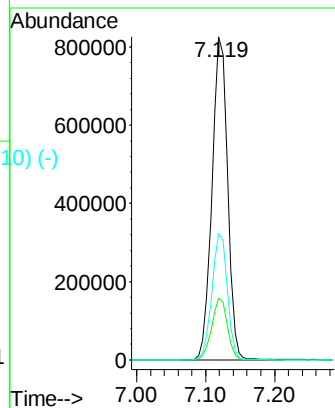
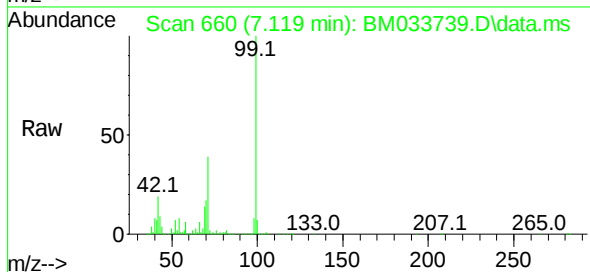
Tgt Ion: 99 Resp: 1300689

Ion Ratio Lower Upper

99 100

42 19.2 20.3 30.5#

71 39.3 34.5 51.7



Benzaldehyde

Concen: Below Cal

RT: 7.107 min Scan# 658

Delta R.T. 0.012 min

Lab File: BM033739.D

Acq: 14 Jan 2022 21:47

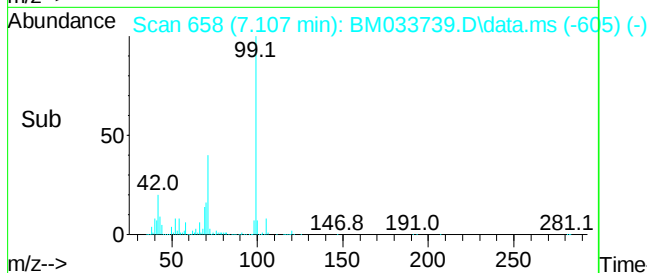
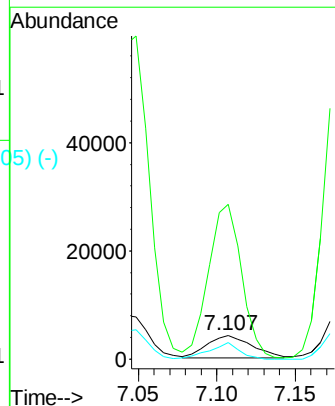
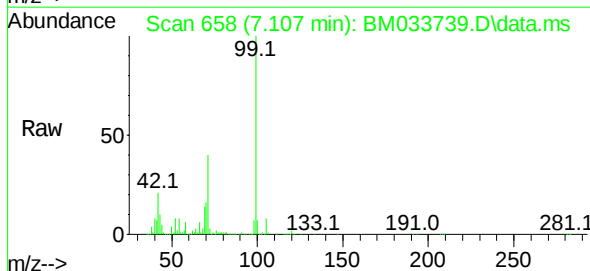
Tgt Ion: 77 Resp: 8116

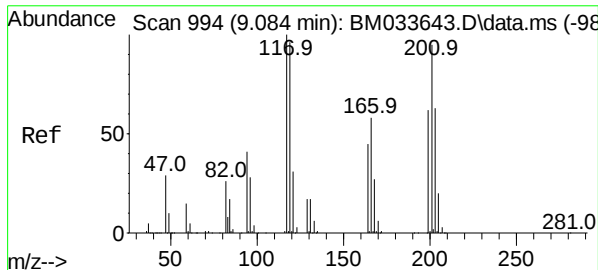
Ion Ratio Lower Upper

77 100

105 654.2 67.1 107.1#

106 70.9 64.3 104.3

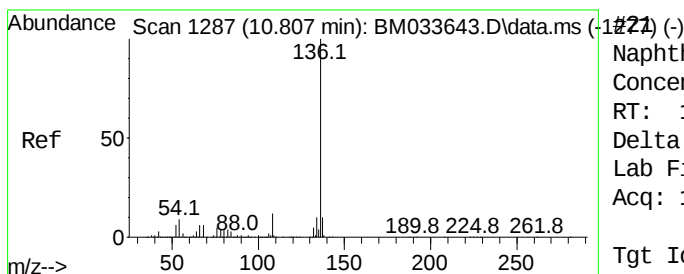
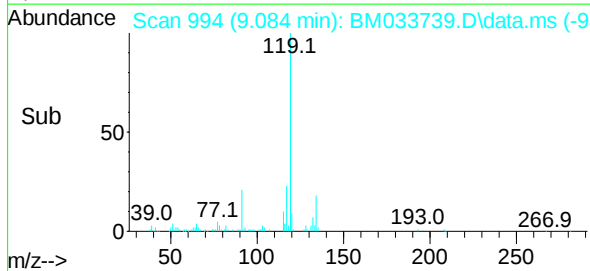
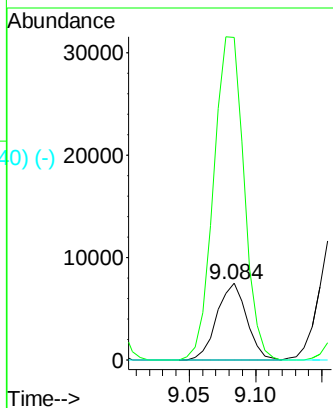
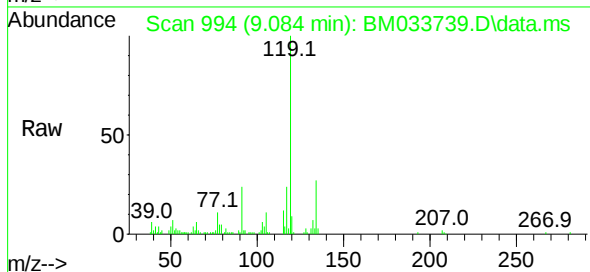




Hexachloroethane
 Concen: 2.671 ng
 RT: 9.084 min Scan# 994
 Delta R.T. 0.018 min
 Lab File: BM033739.D
 Acq: 14 Jan 2022 21:47

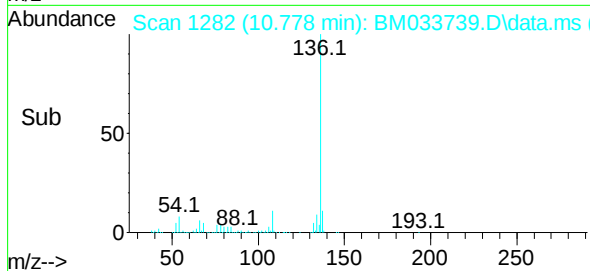
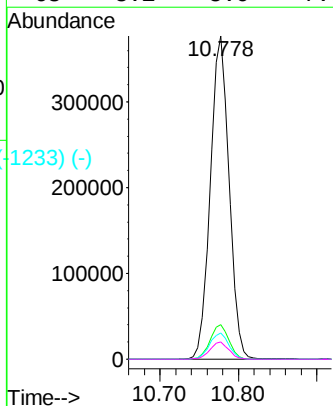
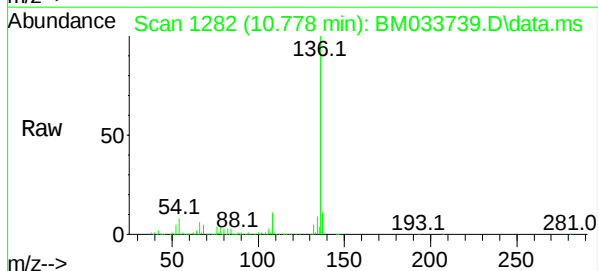
Instrument :
 BNA_M
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 WASTE-CLASS-BOILER-PIT

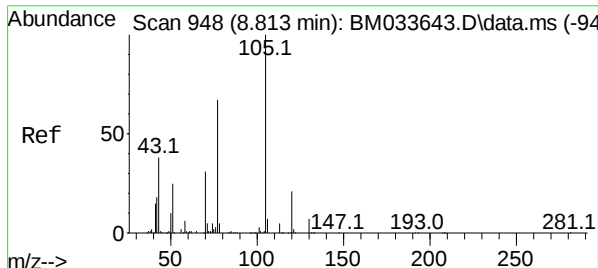
Tgt Ion:117 Resp: 11619
 Ion Ratio Lower Upper
 117 100
 119 420.7 75.0 112.6#
 201 0.0 75.2 112.8#



Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.778 min Scan# 1282
 Delta R.T. -0.012 min
 Lab File: BM033739.D
 Acq: 14 Jan 2022 21:47

Tgt Ion:136 Resp: 625731
 Ion Ratio Lower Upper
 136 100
 137 10.7 8.6 13.0
 54 8.1 8.3 12.5#
 68 5.2 5.0 7.6





Acetophenone

Concen: 2.216 ng

RT: 8.778 min Scan# 948

Delta R.T. -0.018 min

Lab File: BM033739.D

Acq: 14 Jan 2022 21:47

Instrument :

BNA_M

ClientSampleId :

WASTE-CLASS-BOILER-PIT

Tgt Ion:105 Resp: 37197

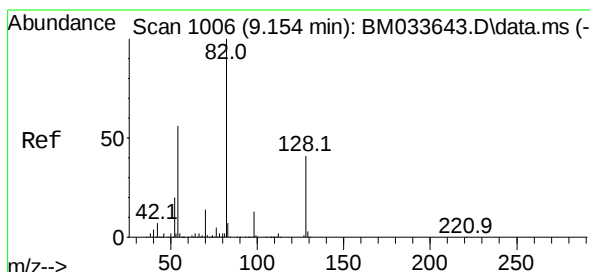
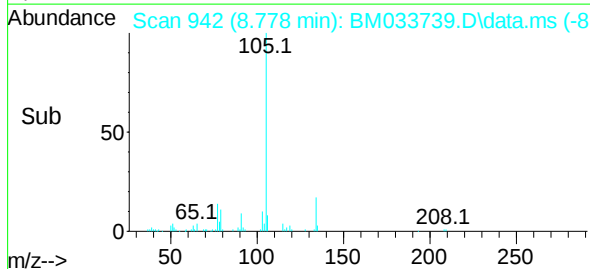
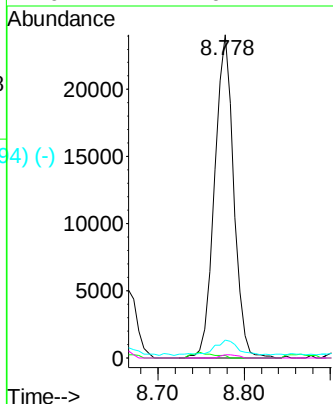
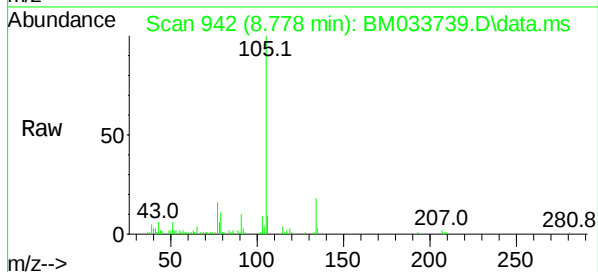
Ion Ratio Lower Upper

105 100

71 0.7 1.6 2.4#

51 5.5 27.7 41.5#

120 1.1 16.2 24.2#



Nitrobenzene-d5

Concen: 78.814 ng

RT: 9.125 min Scan# 1001

Delta R.T. -0.012 min

Lab File: BM033739.D

Acq: 14 Jan 2022 21:47

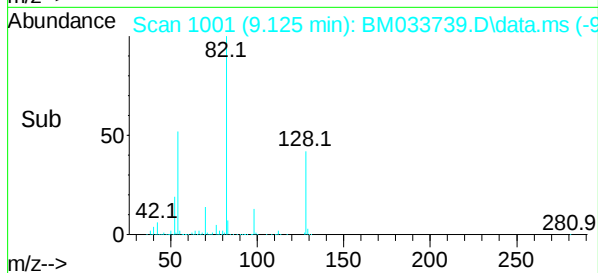
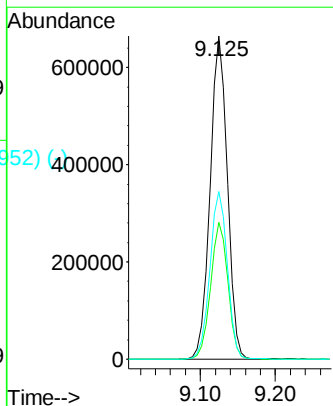
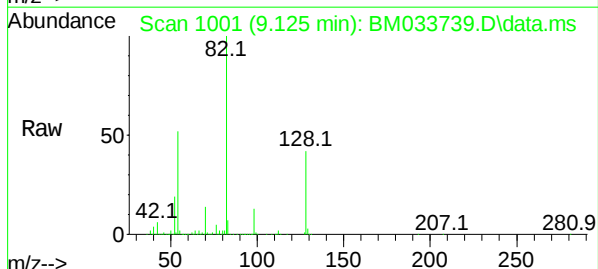
Tgt Ion: 82 Resp: 1067860

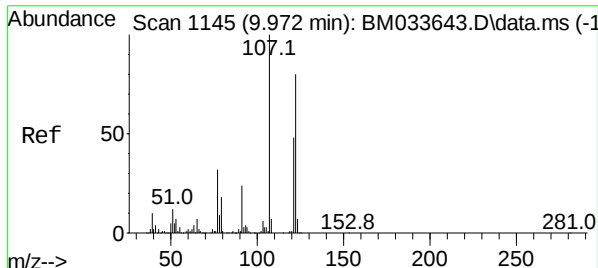
Ion Ratio Lower Upper

82 100

128 42.3 28.1 42.1#

54 52.0 46.1 69.1

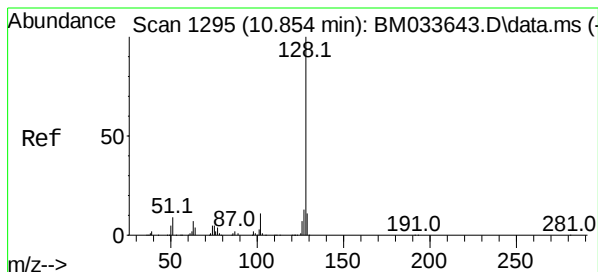
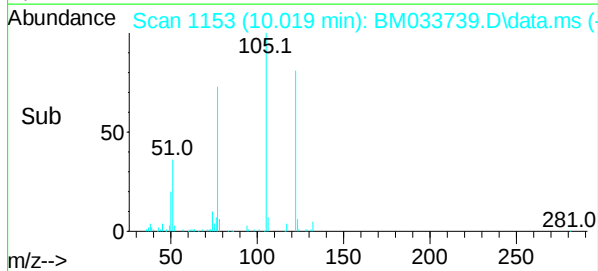
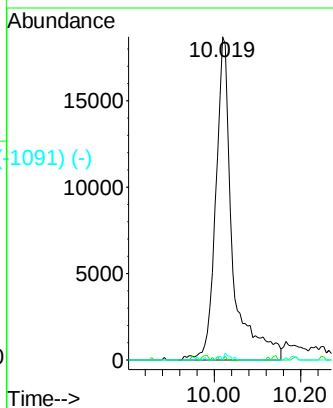
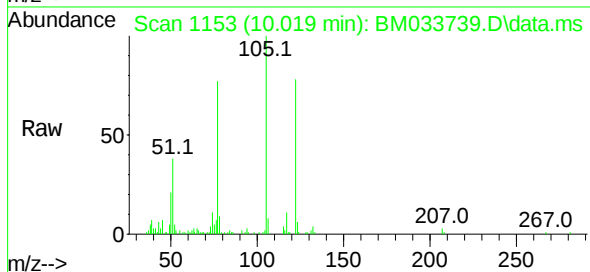




2,4-Dimethylphenol
Concen: 5.570 ng
RT: 10.019 min Scan# 1153
Delta R.T. 0.065 min
Lab File: BM033739.D
Acq: 14 Jan 2022 21:47

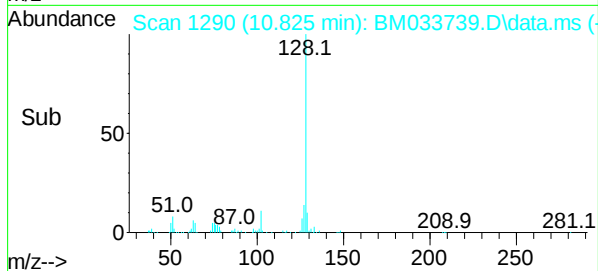
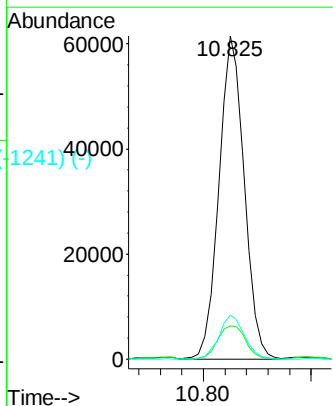
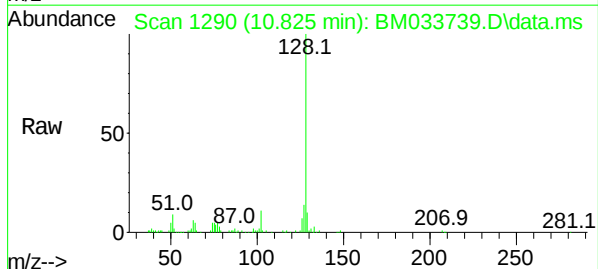
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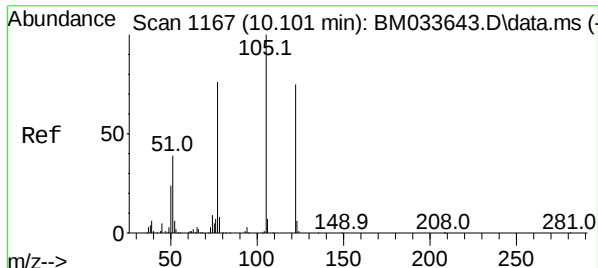
Tgt Ion:122 Resp: 50478
Ion Ratio Lower Upper
122 100
107 0.0 105.3 157.9#
121 0.0 49.7 74.5#



Naphthalene
Concen: 2.944 ng
RT: 10.825 min Scan# 1290
Delta R.T. -0.012 min
Lab File: BM033739.D
Acq: 14 Jan 2022 21:47

Tgt Ion:128 Resp: 100948
Ion Ratio Lower Upper
128 100
129 10.4 8.5 12.7
127 13.7 10.8 16.2

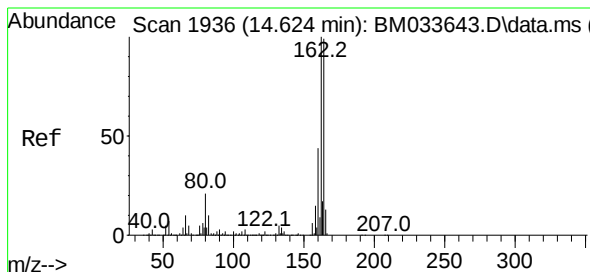
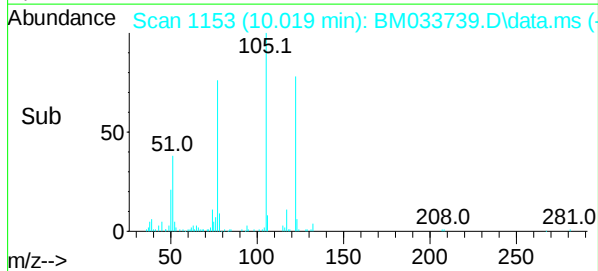
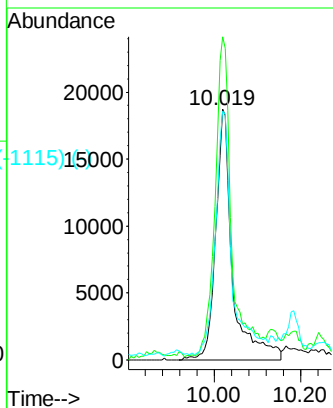
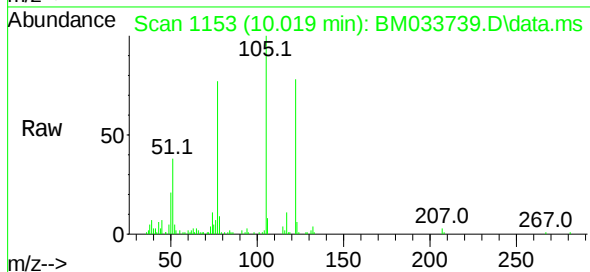




Benzoic acid
 Concen: 7.916 ng
 RT: 10.019 min Scan# 1167
 Delta R.T. -0.076 min
 Lab File: BM033739.D
 Acq: 14 Jan 2022 21:47

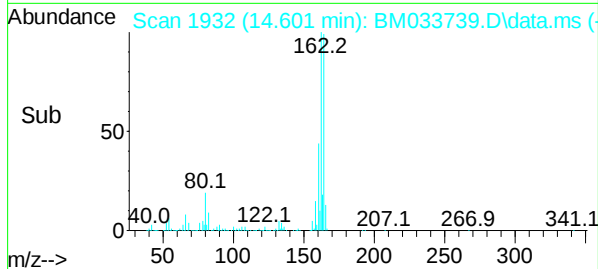
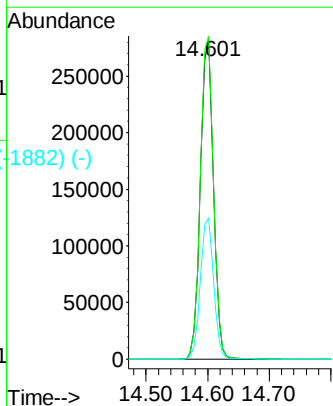
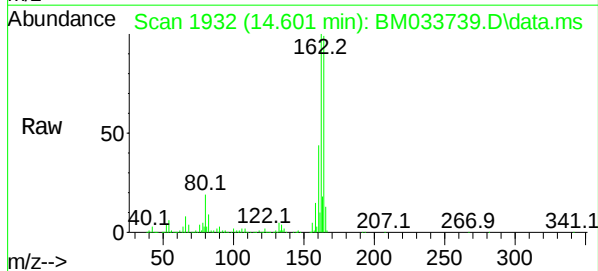
Instrument :
 BNA_M
 ClientSampleId :
 WASTE-CLASS-BOILER-PIT

Tgt Ion:122 Resp: 50478
 Ion Ratio Lower Upper
 122 100
 105 129.0 119.6 159.6
 77 99.2 101.0 141.0#



Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.601 min Scan# 1932
 Delta R.T. -0.006 min
 Lab File: BM033739.D
 Acq: 14 Jan 2022 21:47

Tgt Ion:164 Resp: 415965
 Ion Ratio Lower Upper
 164 100
 162 101.0 79.7 119.5
 160 44.1 34.2 51.4



Abundance Scan 2188 (16.107 min): BM033643.D\data.ms (-2140) (-)

2,4,6-Tribromophenol

Concen: 169.162 ng

RT: 16.083 min Scan# 1699

Delta R.T. -0.006 min

Lab File: BM033739.D

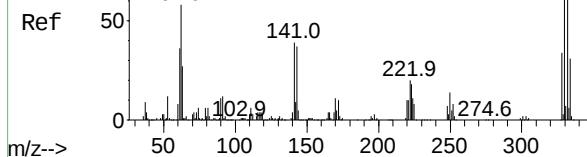
Acq: 14 Jan 2022 21:47

Instrument :

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ClientSampleId :

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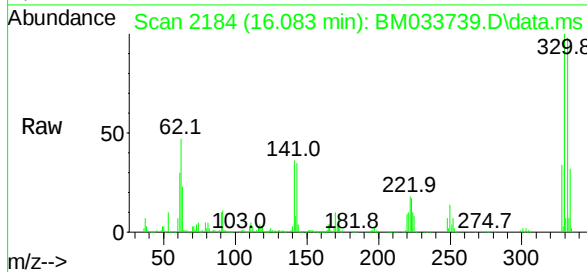
Tgt Ion:330 Resp: 734947

Ion Ratio Lower Upper

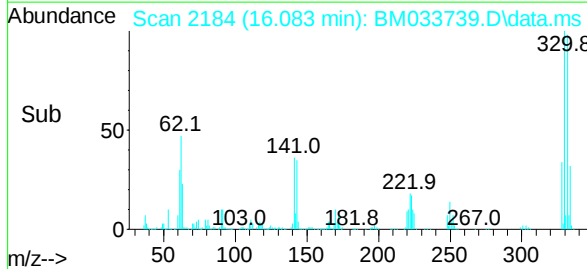
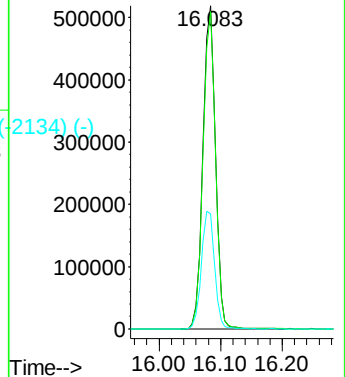
330 100

332 97.5 76.5 114.7

141 38.3 35.9 53.9



Abundance



Abundance Scan 1704 (13.260 min): BM033643.D\data.ms (-1645) (-)

2-Fluorobiphenyl

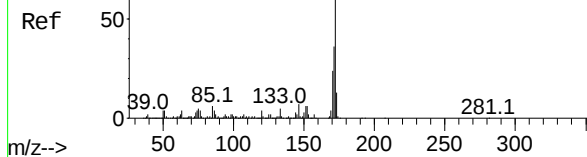
Concen: 78.326 ng

RT: 13.230 min Scan# 1699

Delta R.T. -0.012 min

Lab File: BM033739.D

Acq: 14 Jan 2022 21:47



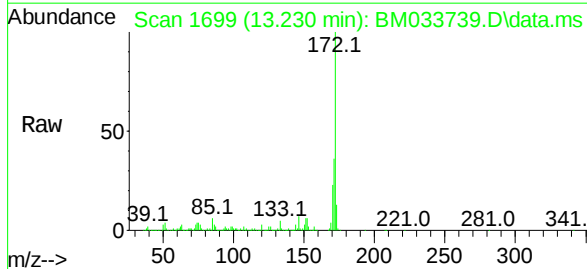
Tgt Ion:172 Resp: 2487491

Ion Ratio Lower Upper

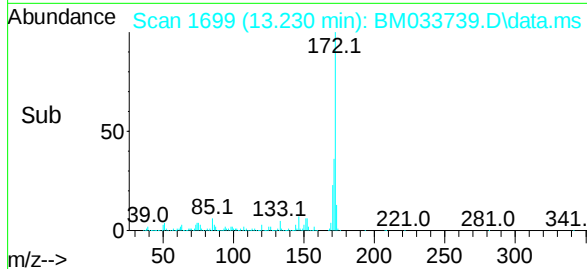
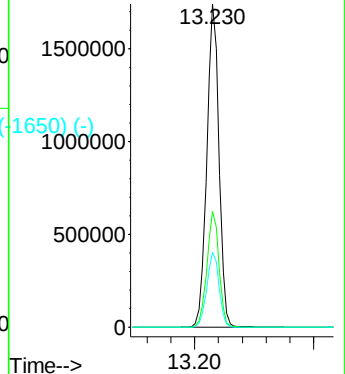
172 100

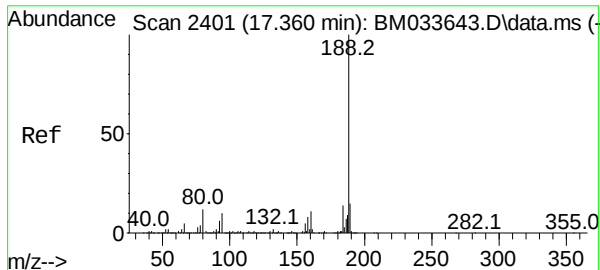
171 35.8 27.2 40.8

170 23.2 18.7 28.1



Abundance





Phenanthrene-d10

Concen: 20.000 ng

RT: 17.336 min Scan# 2397

Delta R.T. -0.006 min

Lab File: BM033739.D

Acq: 14 Jan 2022 21:47

Instrument :

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ClientSampleId :

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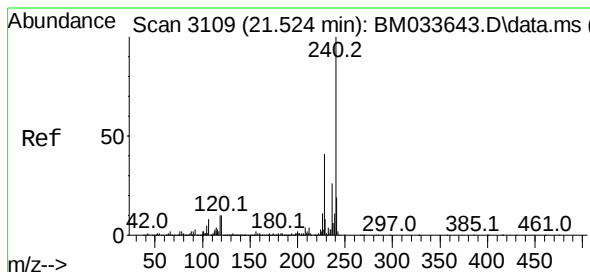
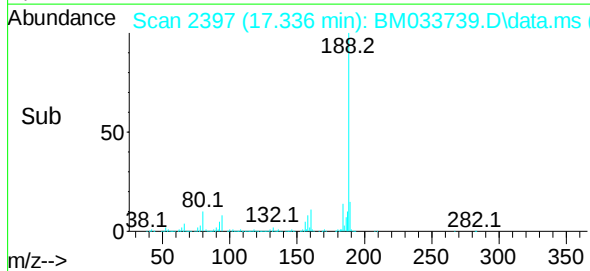
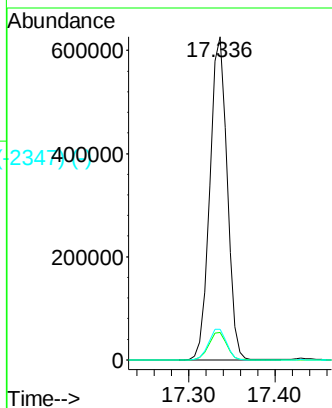
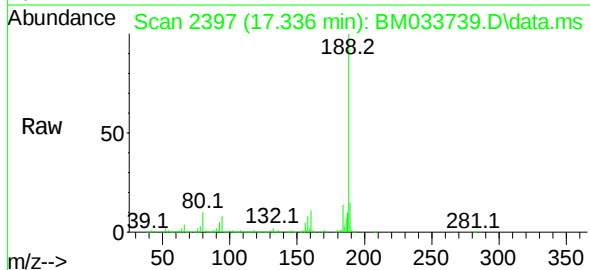
Tgt Ion:188 Resp: 870396

Ion Ratio Lower Upper

188 100

94 8.4 7.5 11.3

80 9.5 8.9 13.3



Chrysene-d12

Concen: 20.000 ng

RT: 21.500 min Scan# 3105

Delta R.T. -0.006 min

Lab File: BM033739.D

Acq: 14 Jan 2022 21:47

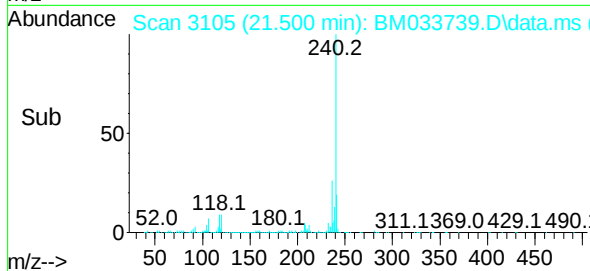
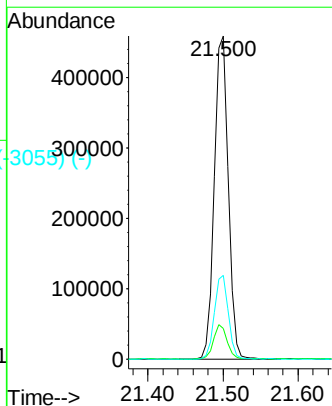
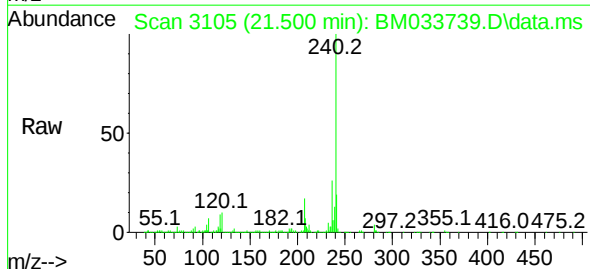
Tgt Ion:240 Resp: 594573

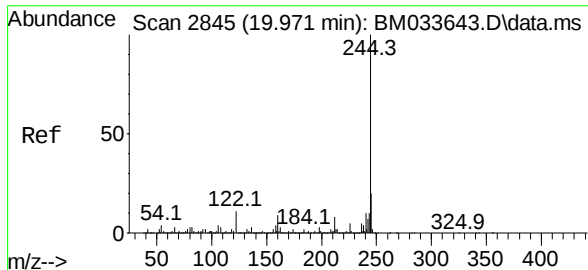
Ion Ratio Lower Upper

240 100

120 9.5 7.8 11.6

236 25.9 20.3 30.5





Terphenyl-d14

Concen: 108.665 ng

RT: 19.948 min Scan# 2841

Delta R.T. -0.012 min

Lab File: BM033739.D

Acq: 14 Jan 2022 21:47

Instrument :

BNA_M

ClientSampleId :

WASTE-CLASS-BOILER-PIT

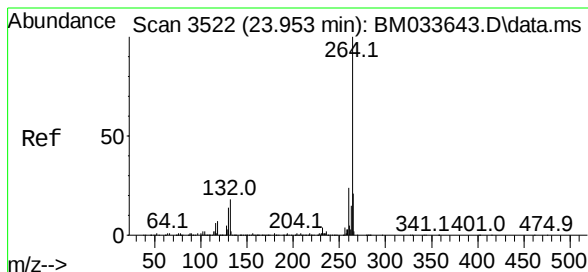
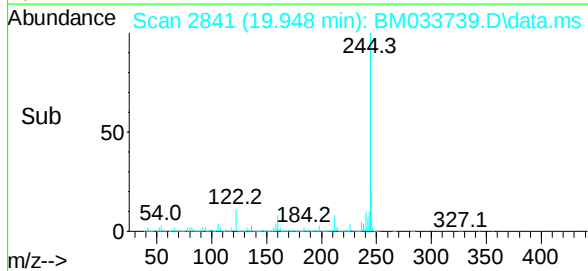
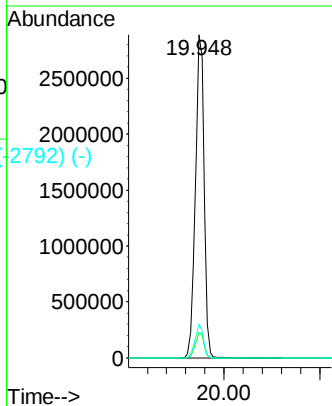
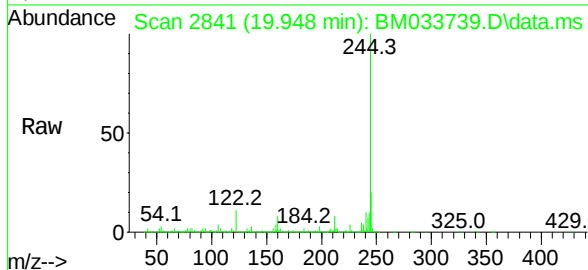
Tgt Ion:244 Resp: 3589422

Ion Ratio Lower Upper

244 100

212 8.0 5.9 8.9

122 10.5 8.4 12.6



Perylene-d12

Concen: 20.000 ng

RT: 23.912 min Scan# 3515

Delta R.T. -0.018 min

Lab File: BM033739.D

Acq: 14 Jan 2022 21:47

Tgt Ion:264 Resp: 619963

Ion Ratio Lower Upper

264 100

260 24.3 17.7 26.5

265 22.5 17.7 26.5

