

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114547.D
 Acq On : 24 May 2019 1:59
 Operator : JU/SJ
 Sample : K2753-04RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-4

Quant Time: May 24 07:21:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 23 03:49:15 2019
 Response via : Initial Calibration

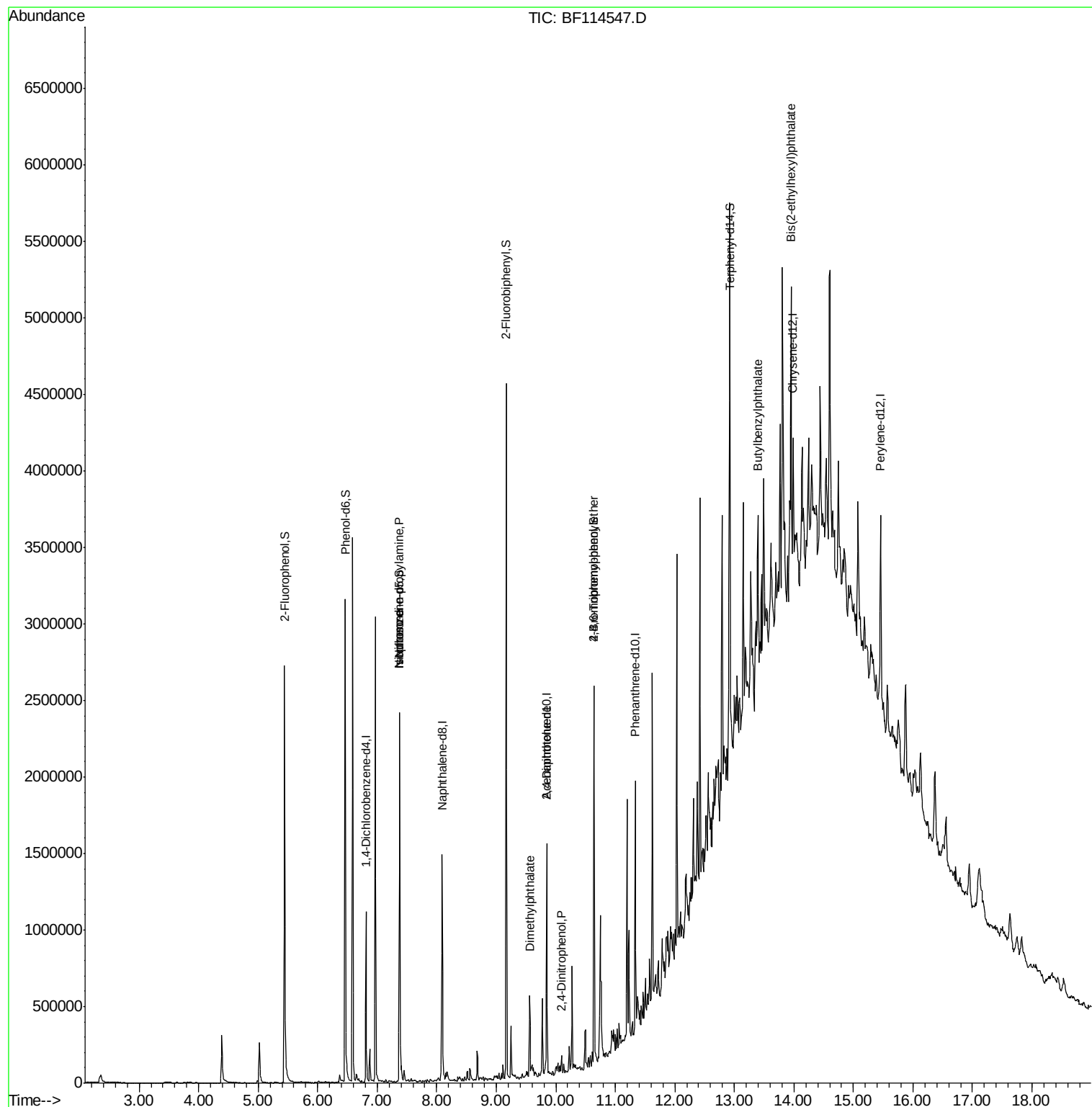
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	156207	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	617111	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	303012	20.00	ng	-0.03
64) Phenanthrene-d10	11.34	188	626618	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	355632	20.00	ng	-0.02
87) Perylene-d12	15.46	264	399667	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	864005	89.01	ng	-0.02
7) Phenol-d6	6.46	99	1173289	102.20	ng	-0.02
23) Nitrobenzene-d5	7.37	82	695205	63.22	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	291458	93.04	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1337830	66.79	ng	-0.02
79) Terphenyl-d14	12.92	244	1293542	74.98	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	93696	12.876	ng	# 75
25) Isophorone	7.37	82	695188	34.088	ng	# 64
50) Dimethylphthalate	9.56	163	155281	6.981	ng	100
54) 2,4-Dinitrophenol	10.09	184	150	6.801	ng	# 35
57) 2,4-Dinitrotoluene	9.85	165	40298	6.018	ng	# 26
67) 4-Bromophenyl-phenylether	10.64	248	18774	2.721	ng	# 1
80) Butylbenzylphthalate	13.39	149	211120	17.532	ng	97
84) Bis(2-ethylhexyl)phthalate	13.95	149	641131	40.709	ng	98

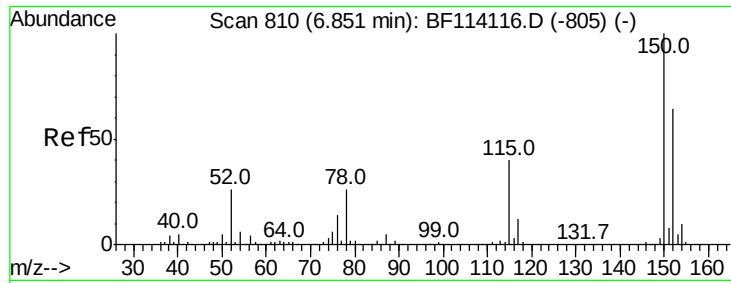
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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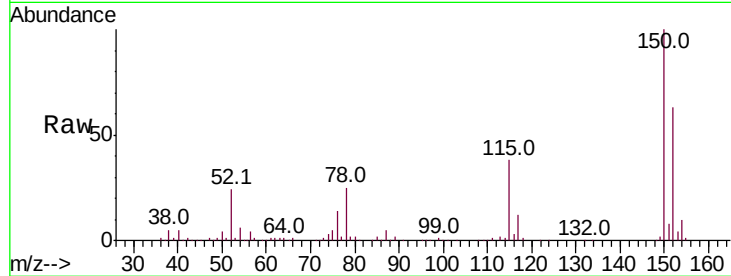


#1

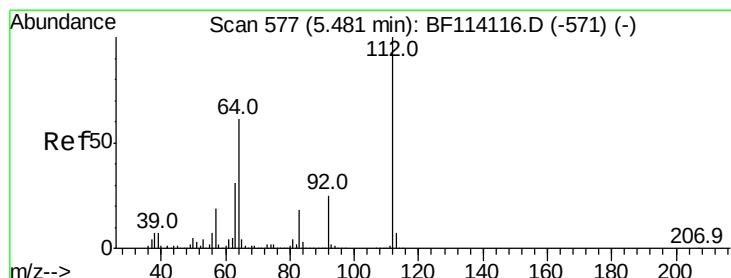
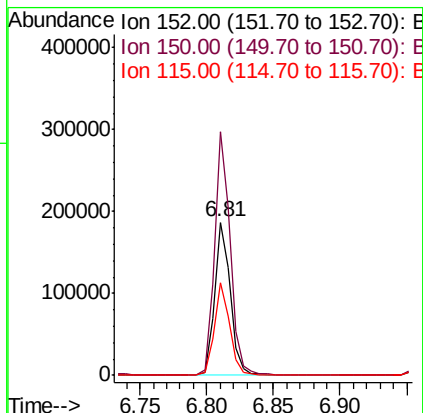
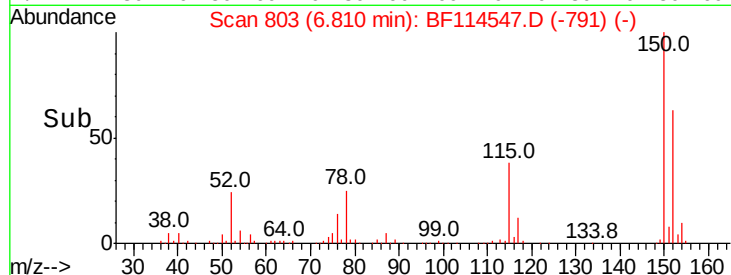
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF114547.D
Acq: 24 May 2019 1:59

Instrument :
BNA_F
ClientSampleId :
CONCRETE-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.3	186.5
115	60.3	49.1	73.7



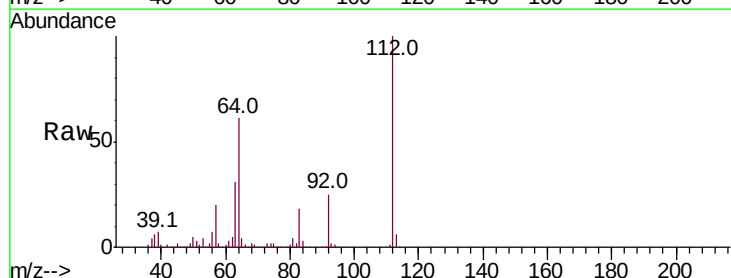
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



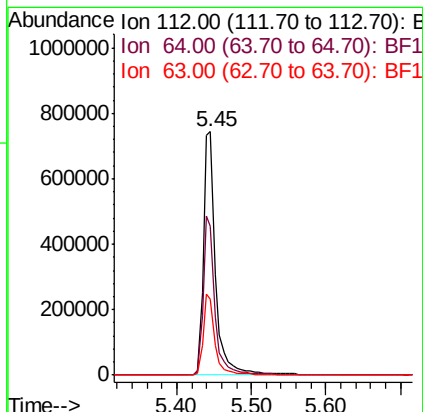
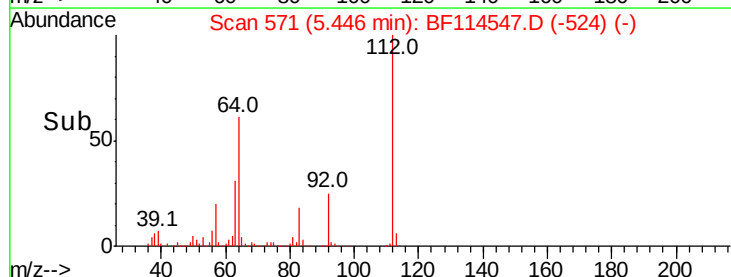
#5

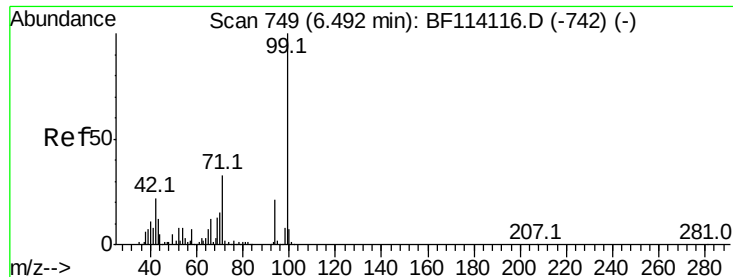
2-Fluorophenol
Concen: 89.011 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.02 min
Lab File: BF114547.D
Acq: 24 May 2019 1:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	49.0	73.6
63	31.1	24.6	37.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.199 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF114547.D

Acq: 24 May 2019 1:59

Instrument :

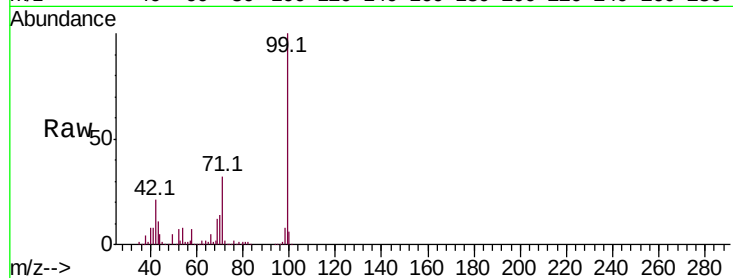
BNA_F

ClientSampleId :

CONCRETE-4

Tot Ion: 99 Resp: 1173289

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.9	26.9
71	32.2	26.2	39.2

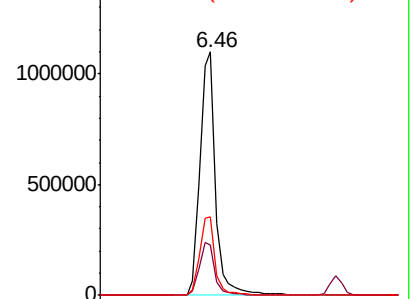


Abundance

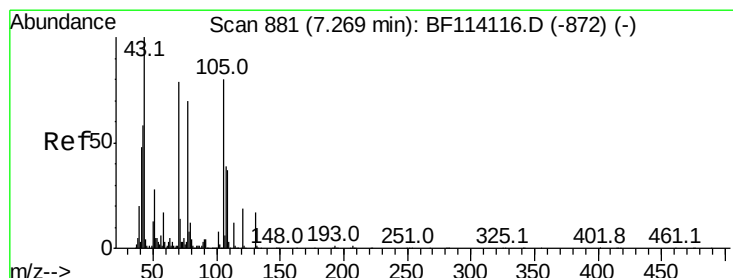
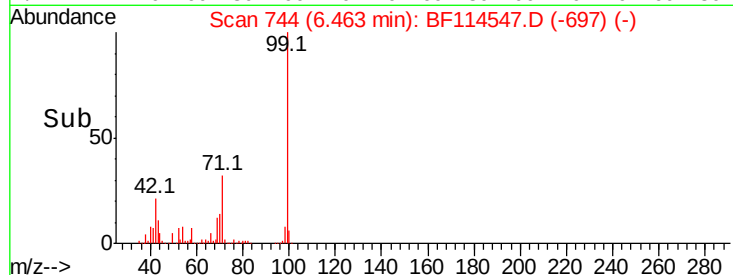
Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 12.876 ng

RT: 7.37 min Scan# 899

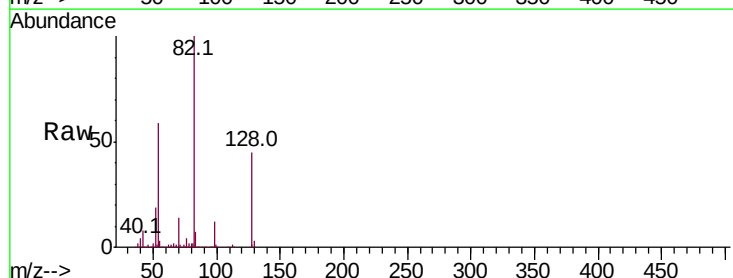
Delta R.T. 0.12 min

Lab File: BF114547.D

Acq: 24 May 2019 1:59

Tgt Ion: 70 Resp: 93696

Ion	Ratio	Lower	Upper
70	100		
42	56.4	58.6	87.8#
101	0.0	7.8	11.8#
130	1.9	17.1	25.7#



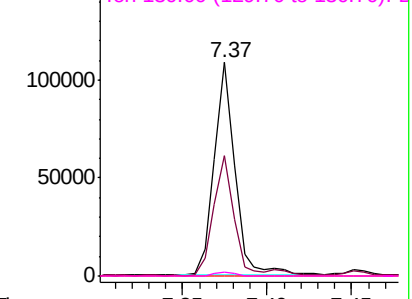
Abundance

Ion 70.00 (69.70 to 70.70): BF1

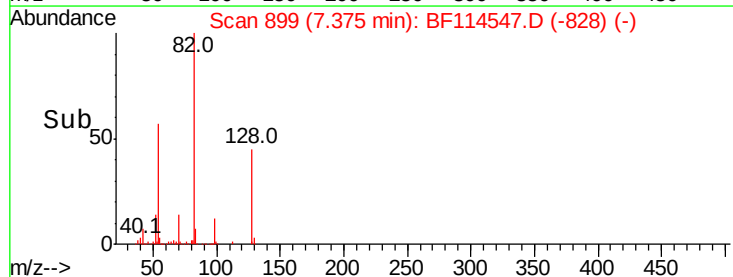
Ion 42.00 (41.70 to 42.70): BF1

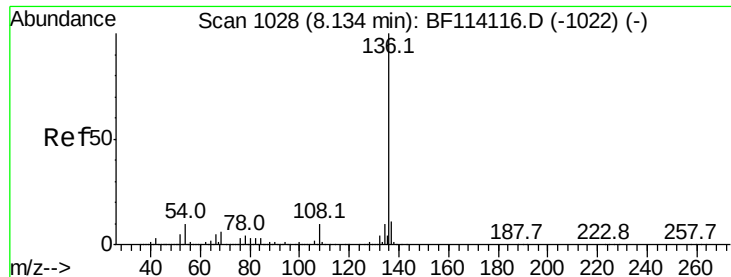
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Time-->

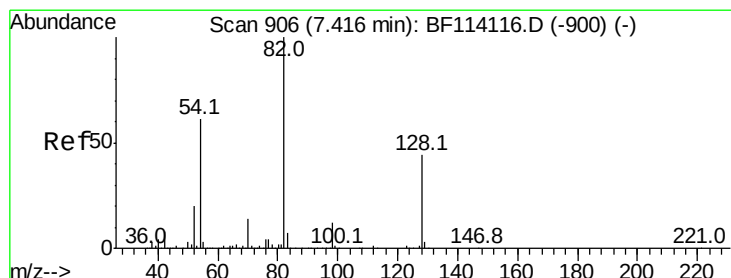
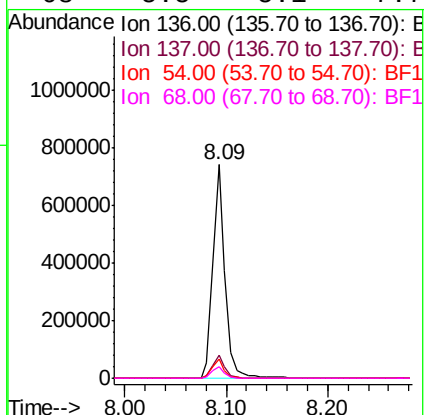
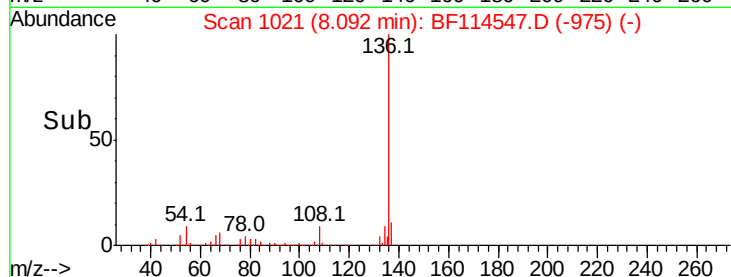
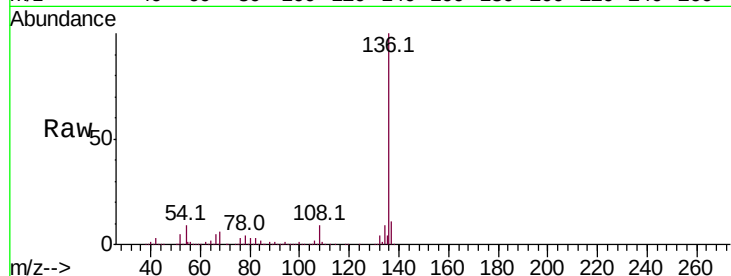




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BF114547.D
Acq: 24 May 2019 1:59

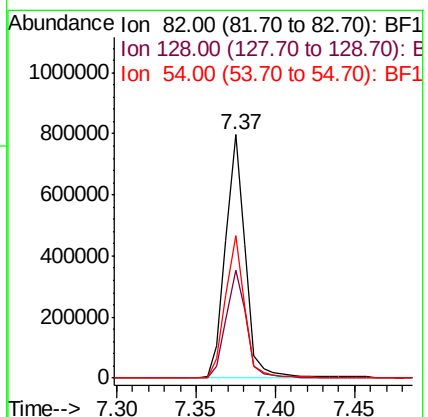
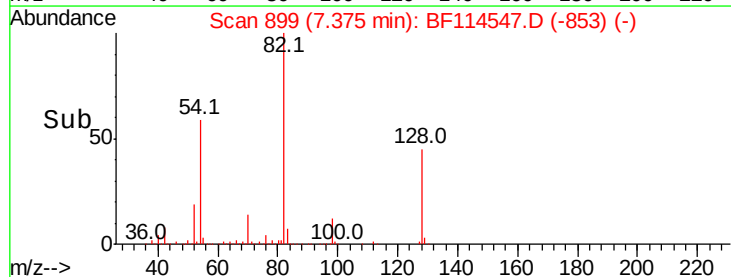
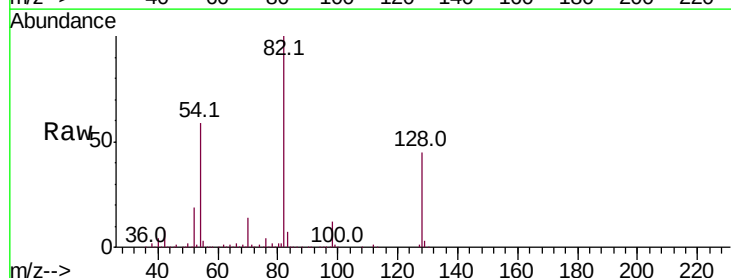
Instrument :
BNA_F
ClientSampleId :
CONCRETE-4

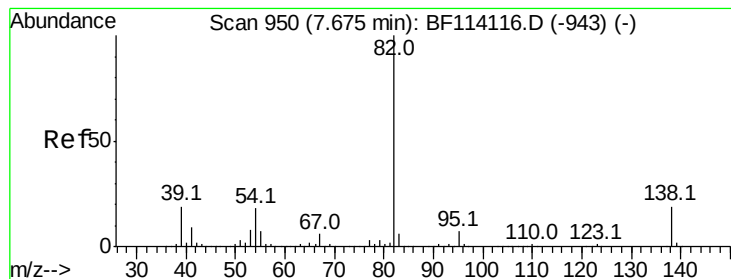
Tot Ion:136	Resp: 617111
Ion Ratio	Lower Upper
136 100	
137 11.0	8.8 13.2
54 9.1	7.8 11.8
68 5.5	5.1 7.7



#23
Nitrobenzene-d5
Concen: 63.222 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.03 min
Lab File: BF114547.D
Acq: 24 May 2019 1:59

Tgt	Ion: 82	Resp:	695205
Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.5	53.3
54	58.6	48.5	72.7





#25

Isophorone

Concen: 34.088 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.29 min

Lab File: BF114547.D

Acq: 24 May 2019 1:59

Instrument :

BNA_F

ClientSampleId :

CONCRETE-4

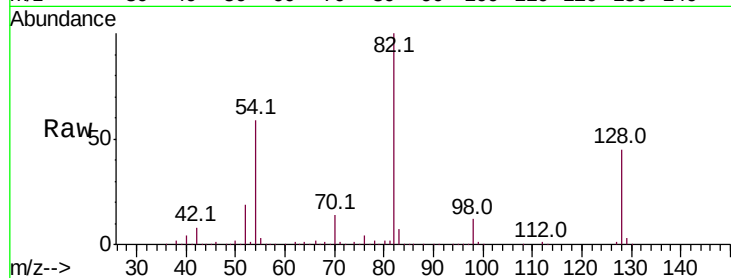
Tot Ion: 82 Resp: 695188

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

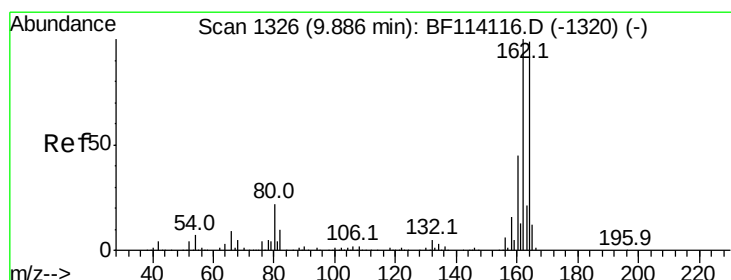
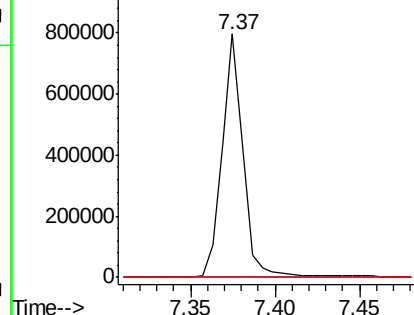
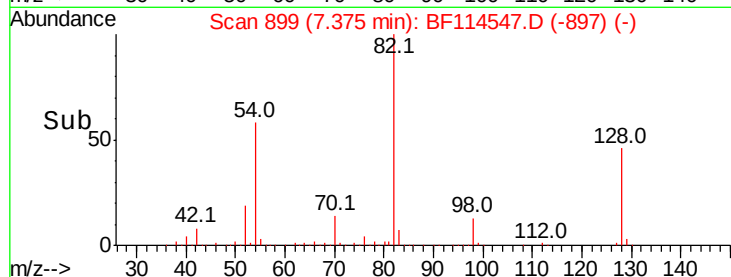
138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.03 min

Lab File: BF114547.D

Acq: 24 May 2019 1:59

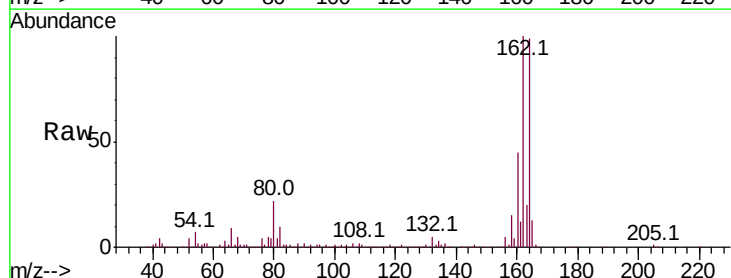
Tgt Ion:164 Resp: 303012

Ion Ratio Lower Upper

164 100

162 100.8 80.6 120.8

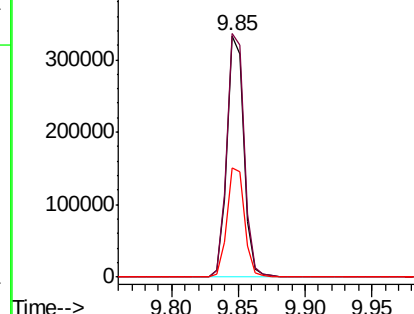
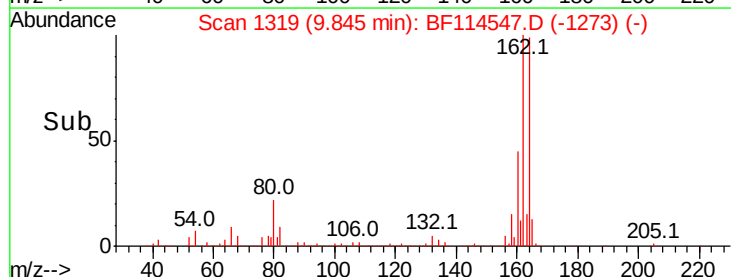
160 45.4 36.5 54.7

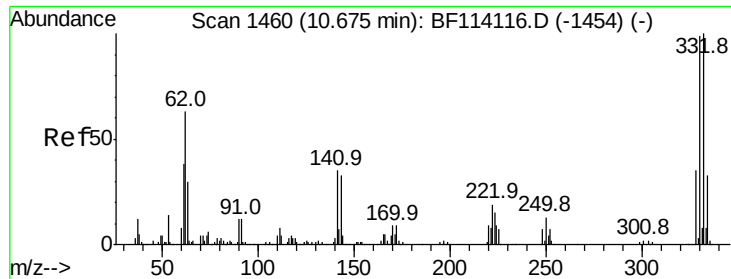


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

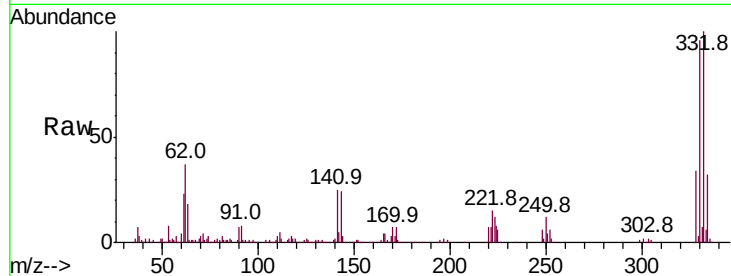




#42
 2,4,6-Tribromophenol
 Concen: 93.039 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.02 min
 Lab File: BF114547.D
 Acq: 24 May 2019 1:59

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-4

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.4	81.4	122.2
141	33.8	26.6	40.0

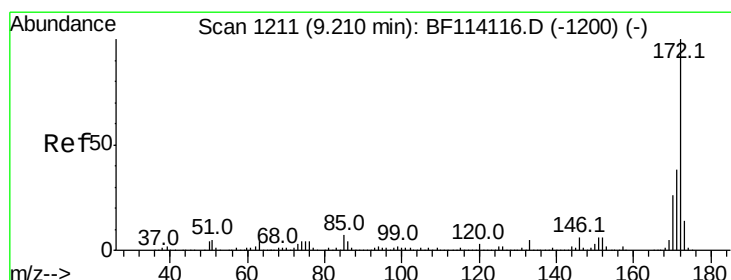
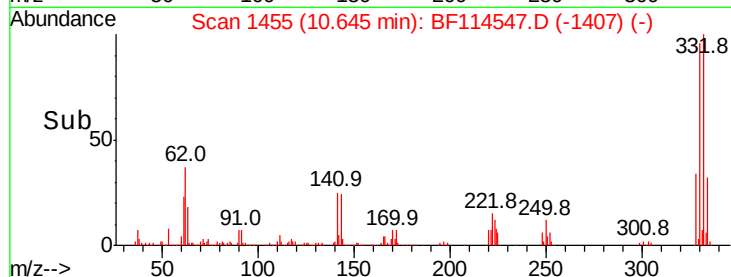
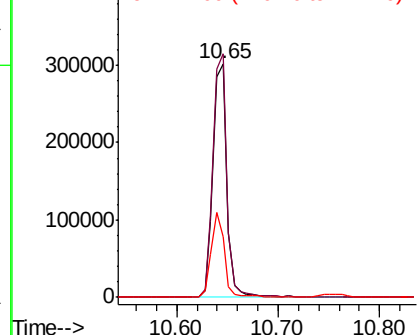


Abundance

Ion 329.80 (329.50 to 330.50): E

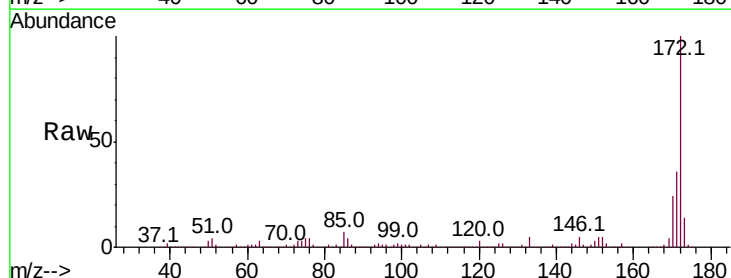
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 66.786 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: BF114547.D
 Acq: 24 May 2019 1:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.7	46.1
170	23.8	20.5	30.7

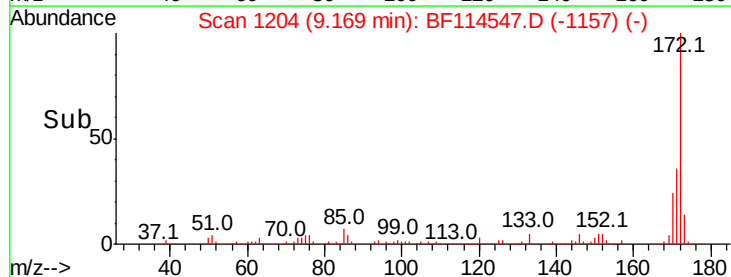
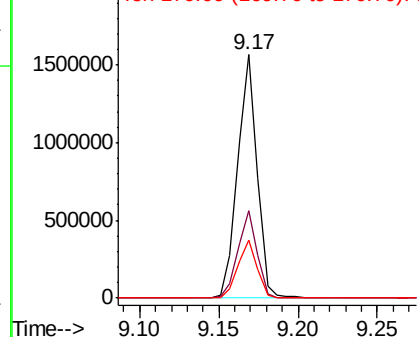


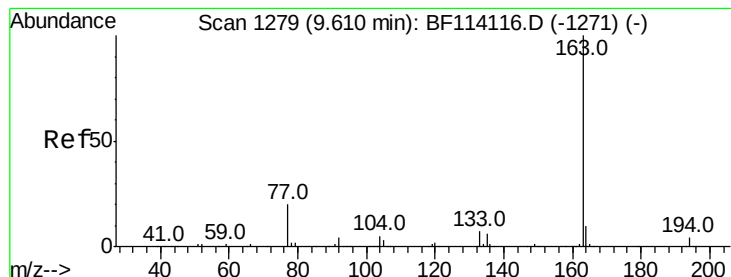
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.981 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.03 min

Lab File: BF114547.D

Acq: 24 May 2019 1:59

Instrument :

BNA_F

ClientSampleId :

CONCRETE-4

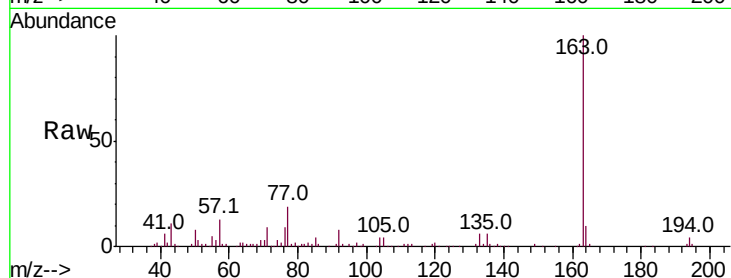
Tot Ion:163 Resp: 155281

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

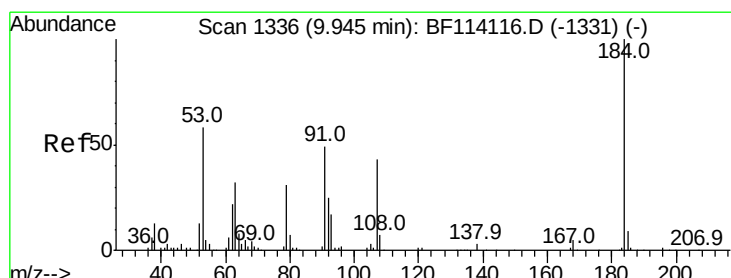
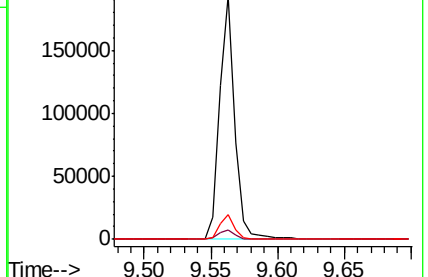
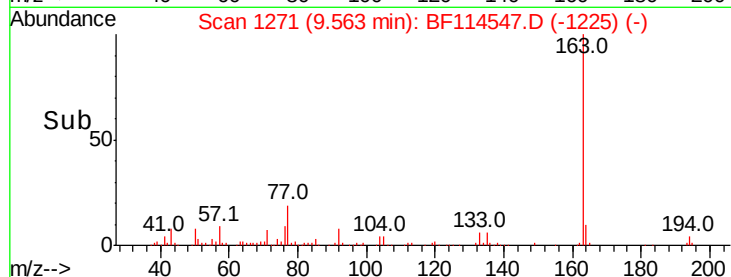
164 10.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 6.801 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.14 min

Lab File: BF114547.D

Acq: 24 May 2019 1:59

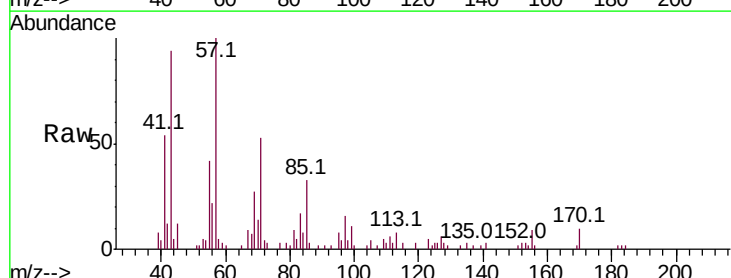
Tgt Ion:184 Resp: 150

Ion Ratio Lower Upper

184 100

63 0.0 55.6 83.4#

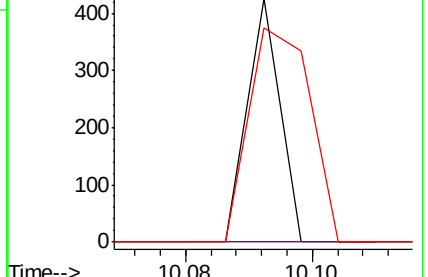
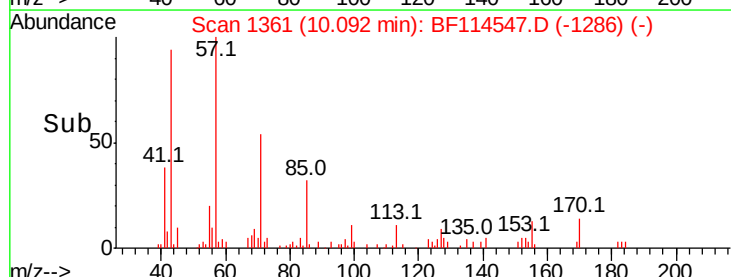
154 88.0 46.0 69.0#

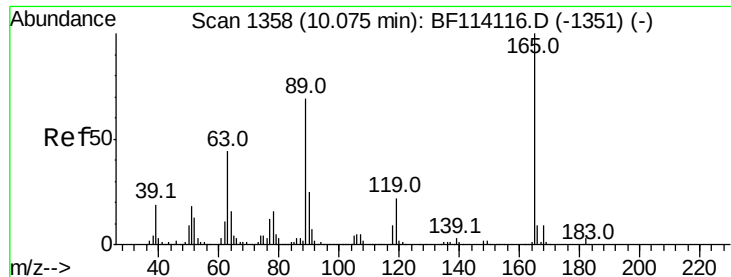


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

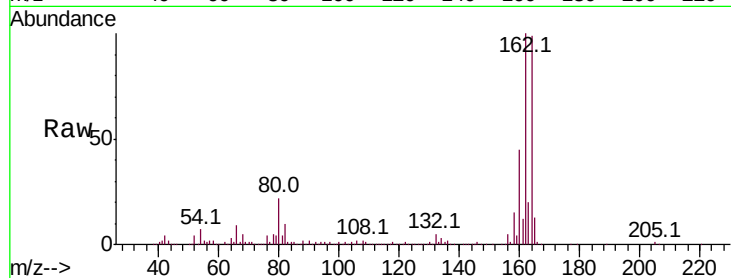




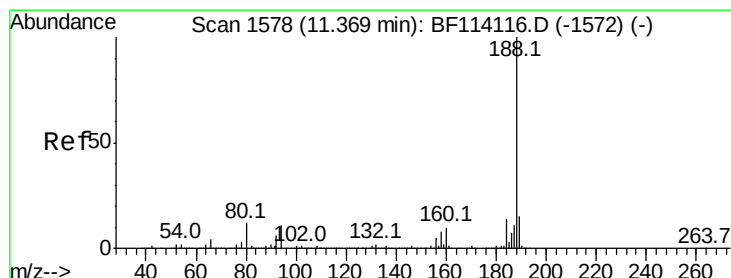
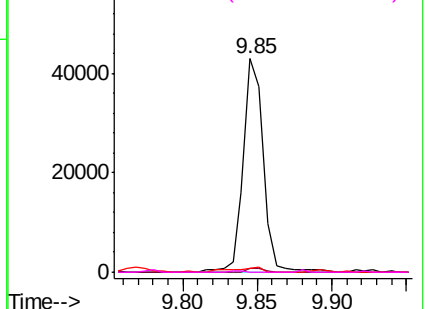
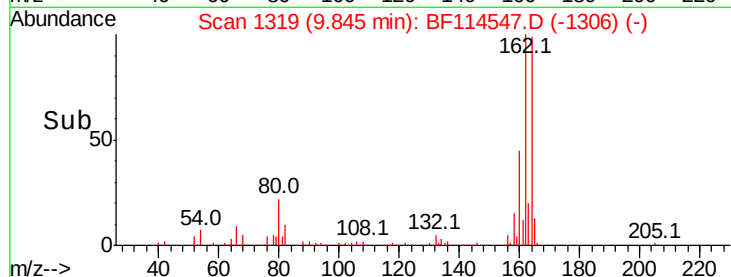
#57
2,4-Dinitrotoluene
Concen: 6.018 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.22 min
Lab File: BF114547.D
Acq: 24 May 2019 1:59

Instrument :
BNA_F
ClientSampleId :
CONCRETE-4

Tot Ion:165 Resp: 40298
Ion Ratio Lower Upper
165 100
63 1.6 35.5 53.3#
89 1.7 55.2 82.8#
182 0.0 2.2 3.2#

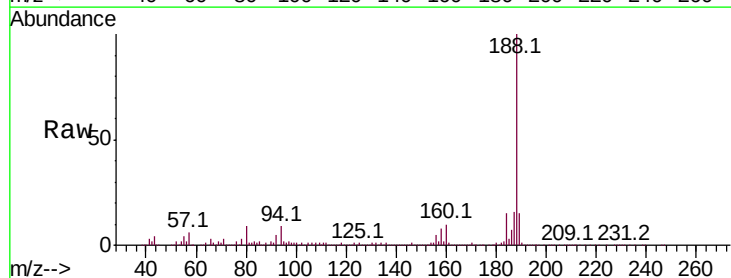


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

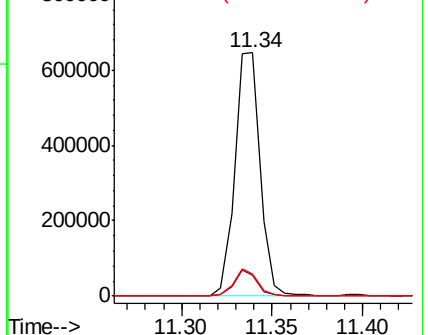
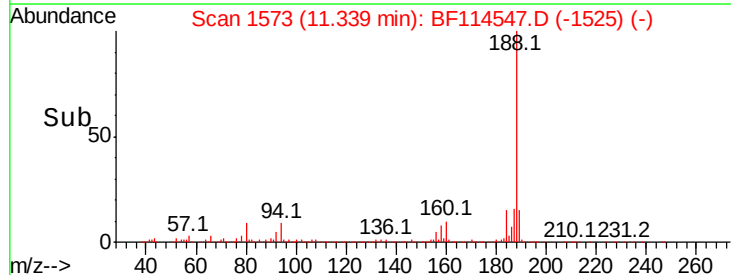


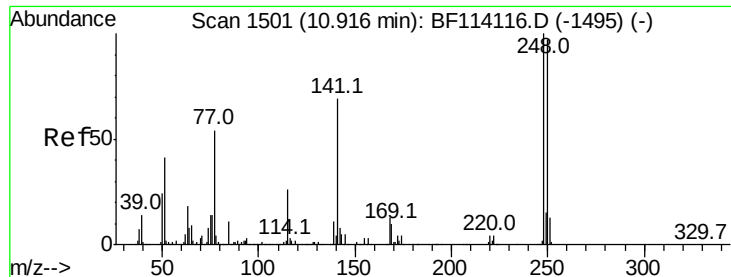
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.02 min
Lab File: BF114547.D
Acq: 24 May 2019 1:59

Tgt Ion:188 Resp: 626618
Ion Ratio Lower Upper
188 100
94 8.7 8.4 12.6
80 9.1 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

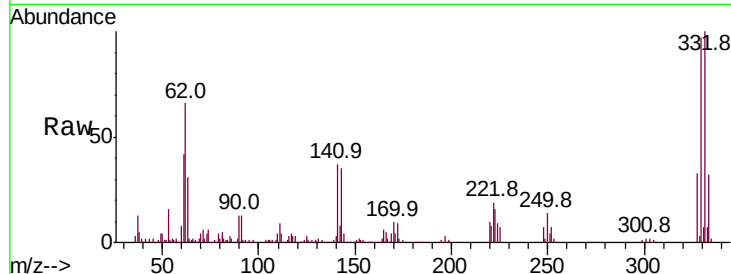




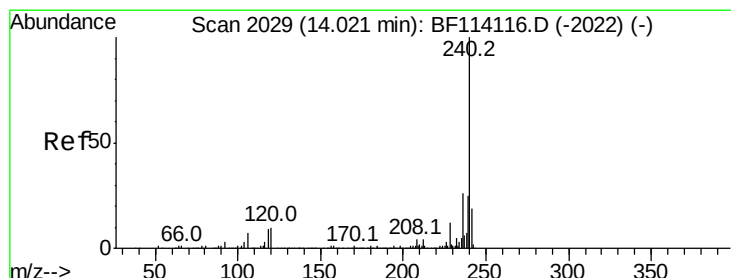
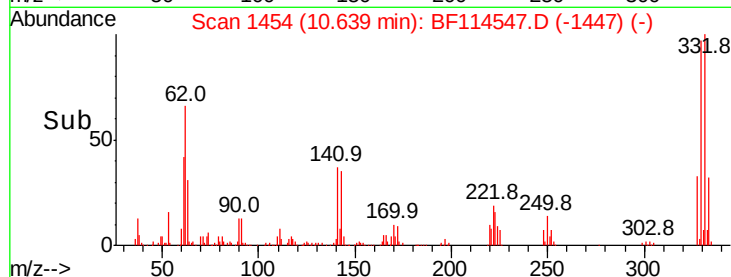
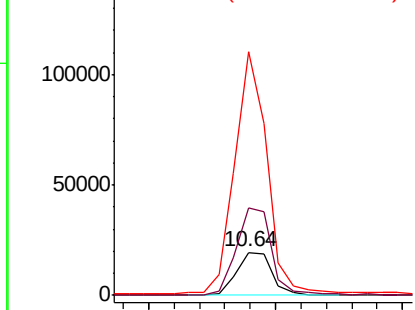
#67
 4-Bromophenyl-phenylether
 Concen: 2.721 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.26 min
 Lab File: BF114547.D
 Acq: 24 May 2019 1:59

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-4

Tot Ion:248 Resp: 18774
 Ion Ratio Lower Upper
 248 100
 250 205.7 77.4 116.2#
 141 569.4 55.6 83.4#

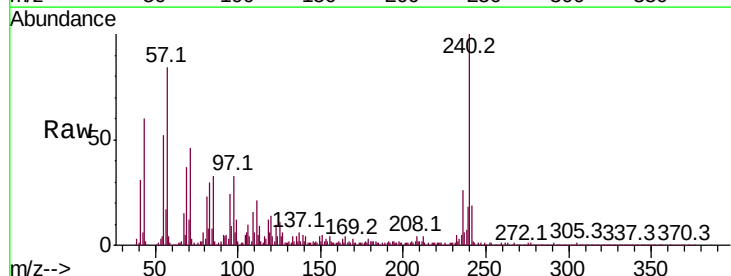


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

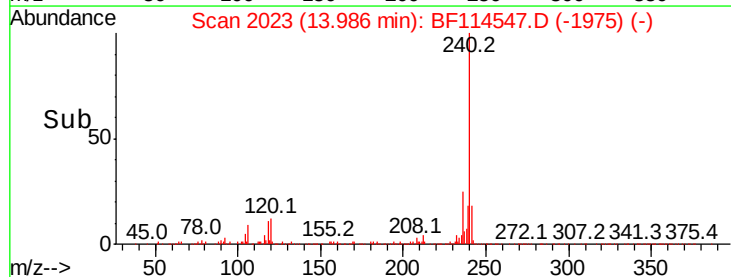
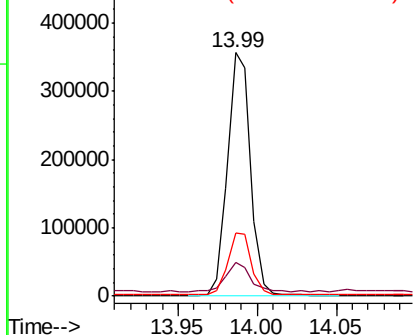


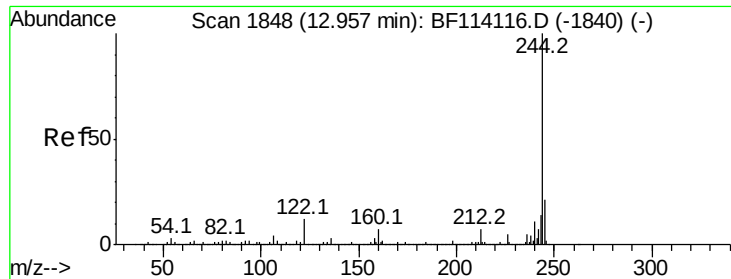
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.02 min
 Lab File: BF114547.D
 Acq: 24 May 2019 1:59

Tgt Ion:240 Resp: 355632
 Ion Ratio Lower Upper
 240 100
 120 13.7 8.3 12.5#
 236 25.9 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 74.981 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.02 min

Lab File: BF114547.D

Acq: 24 May 2019 1:59

Instrument :

BNA_F

ClientSampleId :

CONCRETE-4

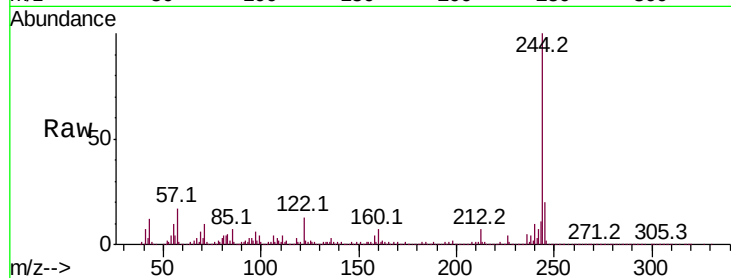
Tot Ion:244 Resp: 1293542

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

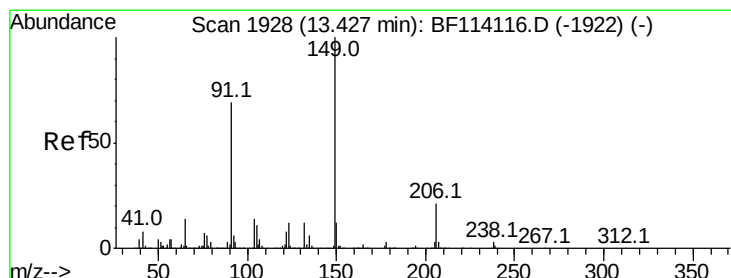
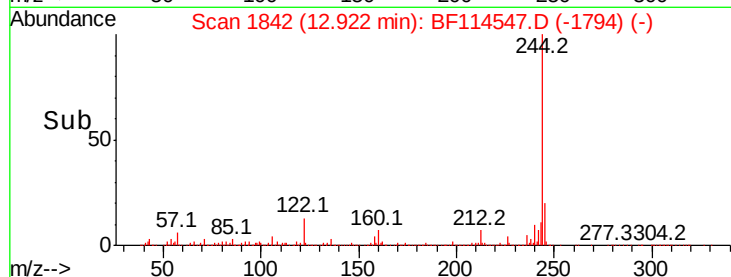
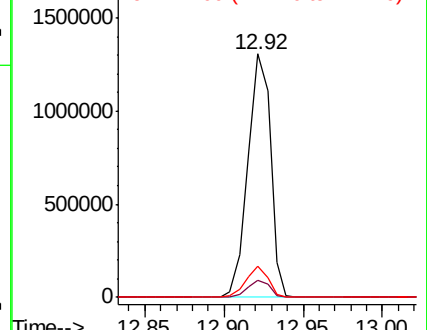
122 12.8 9.4 14.2



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



#80

Butylbenzylphthalate

Concen: 17.532 ng

RT: 13.39 min Scan# 1922

Delta R.T. -0.02 min

Lab File: BF114547.D

Acq: 24 May 2019 1:59

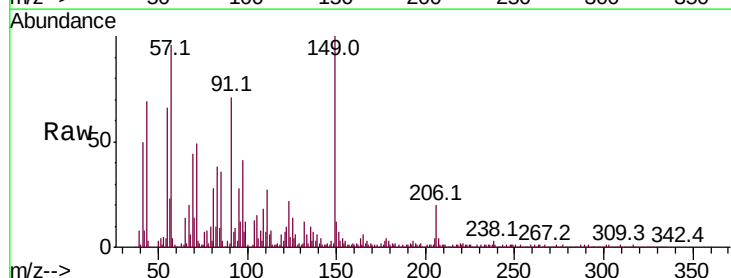
Tgt Ion:149 Resp: 211120

Ion Ratio Lower Upper

149 100

91 70.9 55.0 82.4

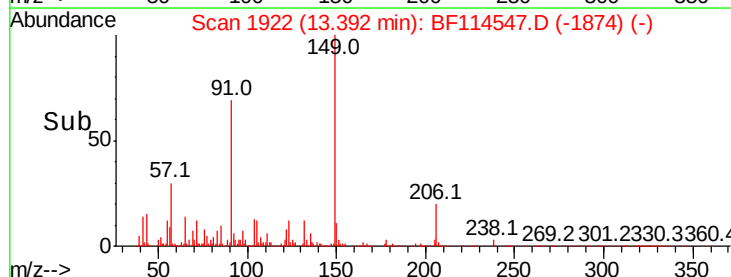
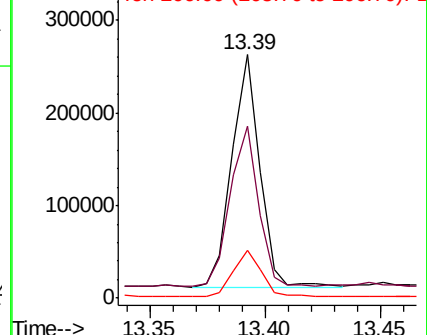
206 19.7 16.9 25.3

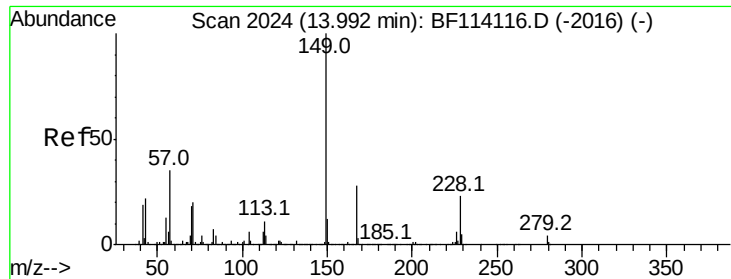


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 40.709 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF114547.D

Acq: 24 May 2019 1:59

Instrument :

BNA_F

ClientSampleId :

CONCRETE-4

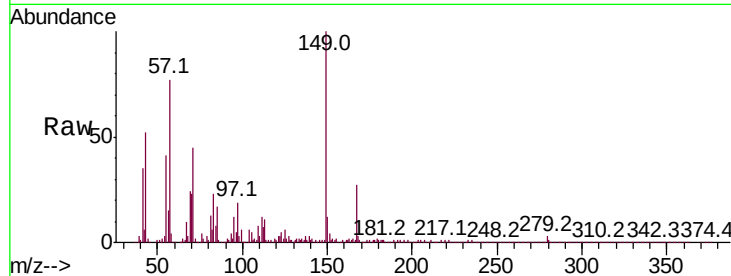
Tot Ion:149 Resp: 641131

Ion Ratio Lower Upper

149 100

167 27.1 22.6 33.8

279 3.4 3.0 4.6



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

13.95

800000

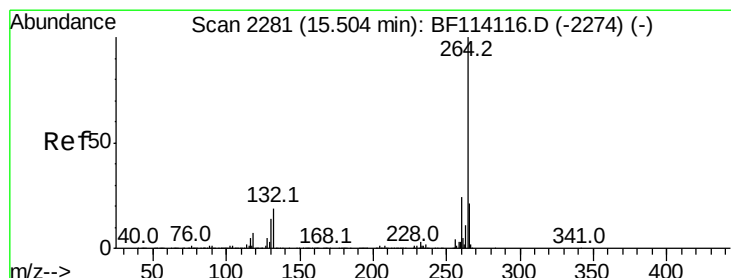
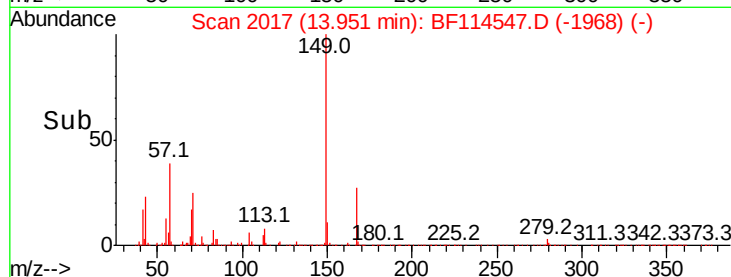
600000

400000

200000

0

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.00 min

Lab File: BF114547.D

Acq: 24 May 2019 1:59

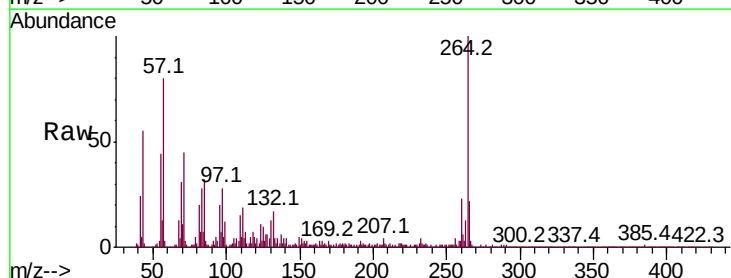
Tgt Ion:264 Resp: 399667

Ion Ratio Lower Upper

264 100

260 22.5 19.4 29.0

265 21.8 16.9 25.3



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

15.46

400000

300000

200000

100000

0

Time-->

