

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114659.D
 Acq On : 30 May 2019 14:26
 Operator : HP/JU
 Sample : PB118819BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 05:43:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	447499	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1716232	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	876385	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1672998	20.00	ng	0.00
76) Chrysene-d12	13.81	240	1258096	20.00	ng	0.00
87) Perylene-d12	15.20	264	1239873	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	2840066	111.43	ng	0.02
7) Phenol-d6	6.33	99	3439180	111.97	ng	0.00
23) Nitrobenzene-d5	7.25	82	2283666	83.02	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	1029885	123.33	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	4002395	85.97	ng	0.00
79) Terphenyl-d14	12.78	244	4215407	63.00	ng	0.00

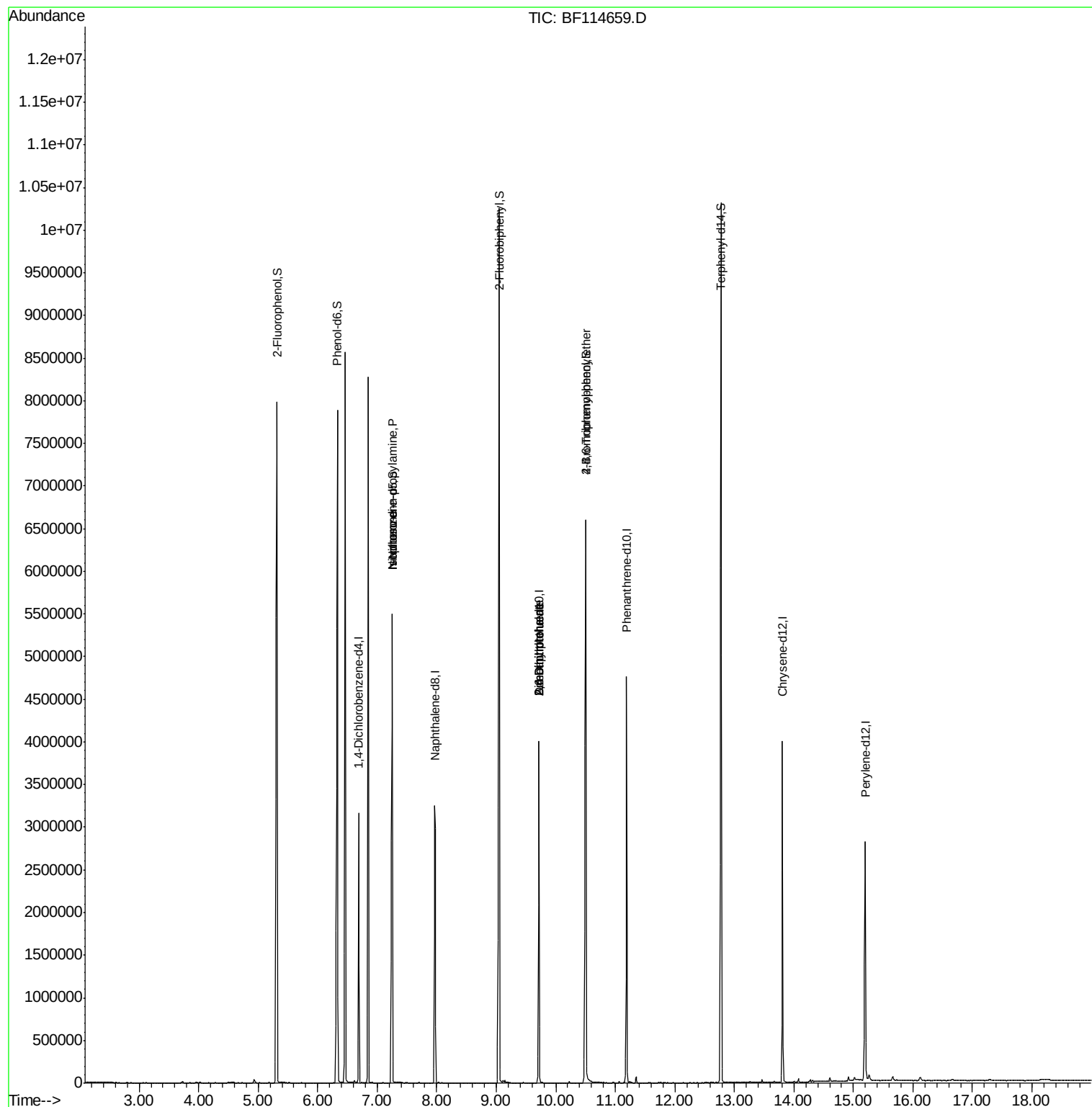
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	5529	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.25	70	310950	14.667	ng	# 76
25) Isophorone	7.25	82	2232960	40.448	ng	# 63
50) Dimethylphthalate	9.72	163	247582	4.054	ng	# 1
51) 2,6-Dinitrotoluene	9.72	165	112569	7.933	ng	# 31
57) 2,4-Dinitrotoluene	9.72	165	112569	6.181	ng	# 23
58) Fluorene	10.50	166	44540	Below Cal	#	93
67) 4-Bromophenyl-phenylether	10.50	248	66303	3.696	ng	# 1
74) Di-n-butylphthalate	11.76	149	1154	Below Cal	#	76

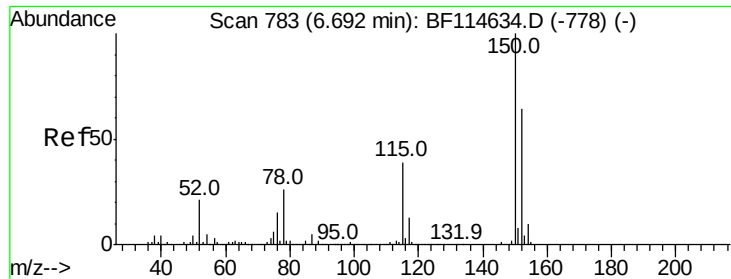
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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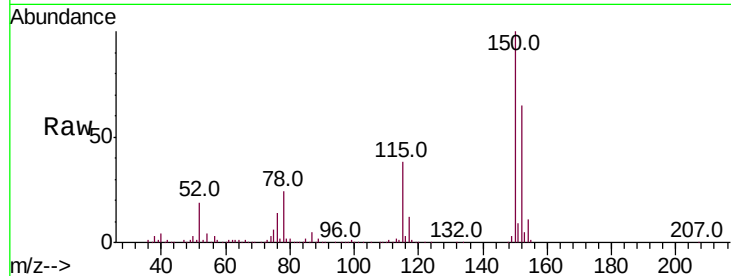


#1

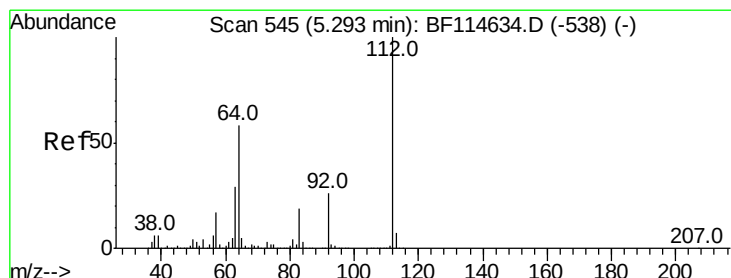
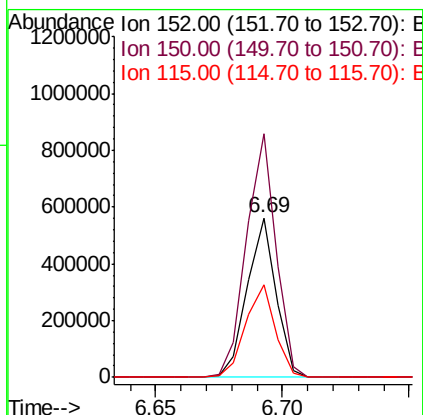
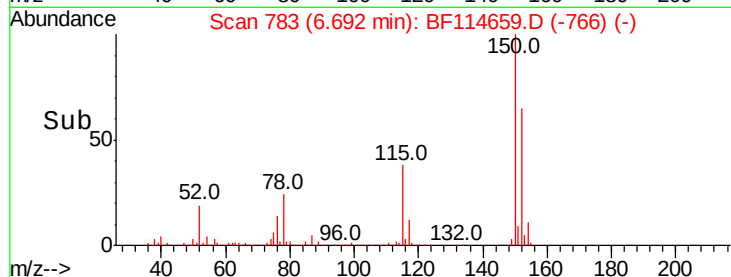
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF114659.D
Acq: 30 May 2019 14:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 447499
Ion Ratio Lower Upper
152 100
150 152.8 124.4 186.6
115 58.1 48.7 73.1



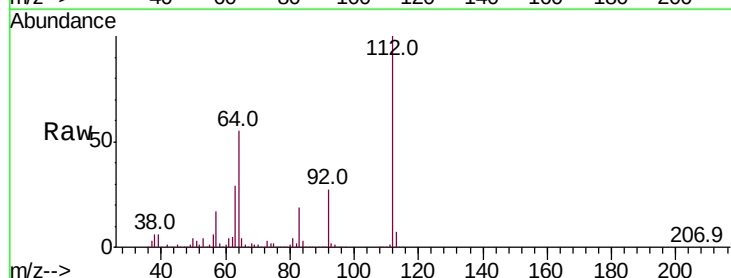
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



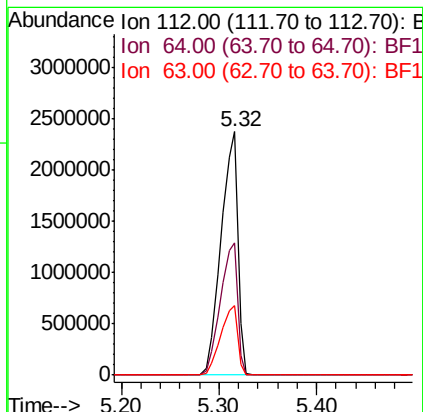
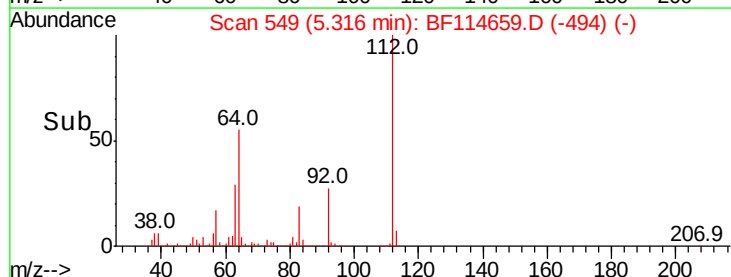
#5

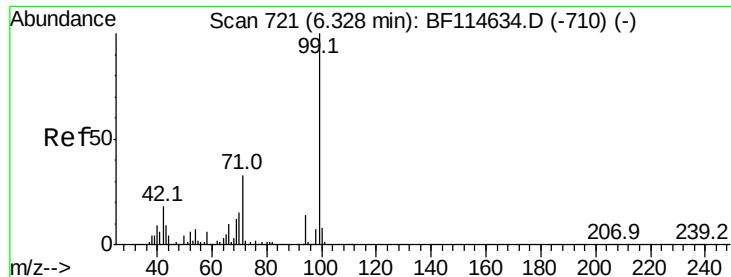
2-Fluorophenol
Concen: 111.427 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.02 min
Lab File: BF114659.D
Acq: 30 May 2019 14:26

Tgt Ion:112 Resp: 2840066
Ion Ratio Lower Upper
112 100
64 54.6 46.1 69.1
63 28.5 23.4 35.2



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: 111.974 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114659.D

Acq: 30 May 2019 14:26

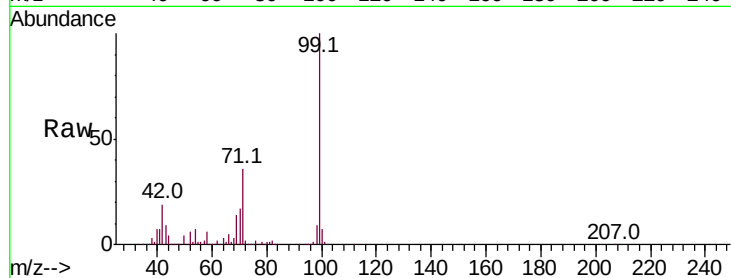
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 3439180

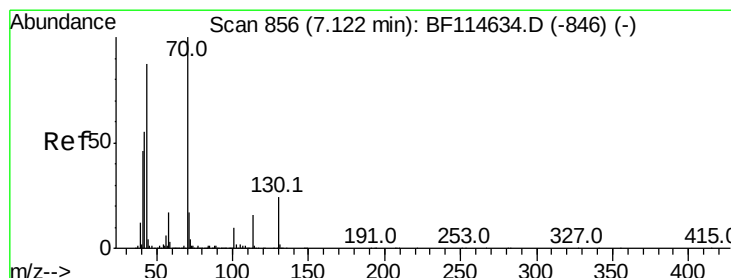
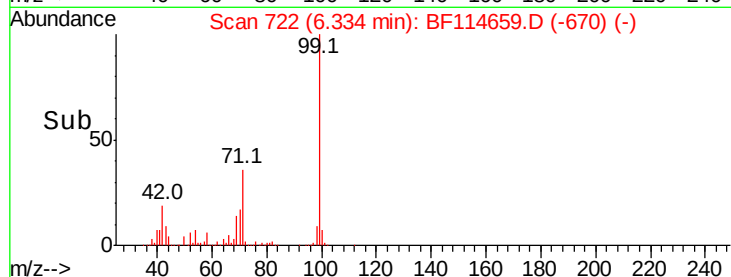
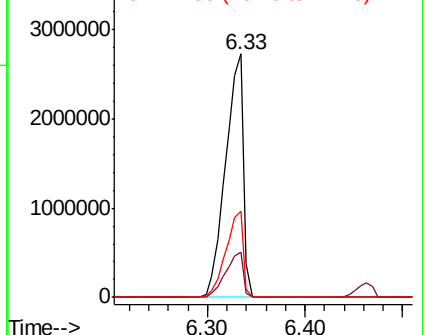
Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.7	22.1
71	35.6	26.6	40.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.667 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.13 min

Lab File: BF114659.D

Acq: 30 May 2019 14:26

Tgt Ion: 70 Resp: 310950

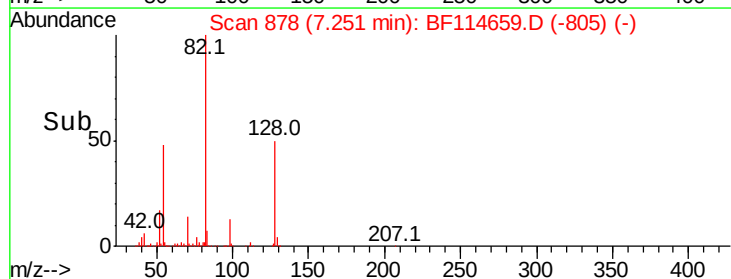
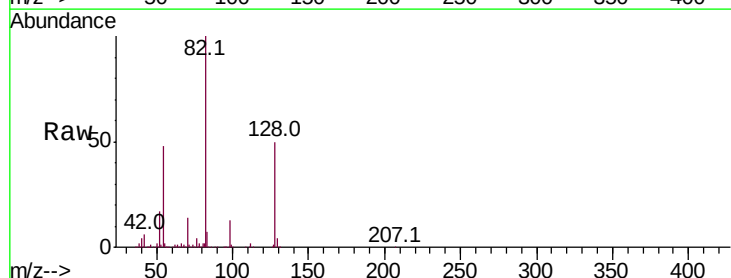
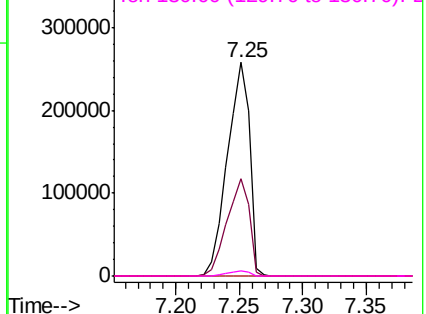
Ion	Ratio	Lower	Upper
70	100		
42	45.4	44.4	66.6
101	0.0	8.2	12.4#
130	2.1	19.4	29.0#

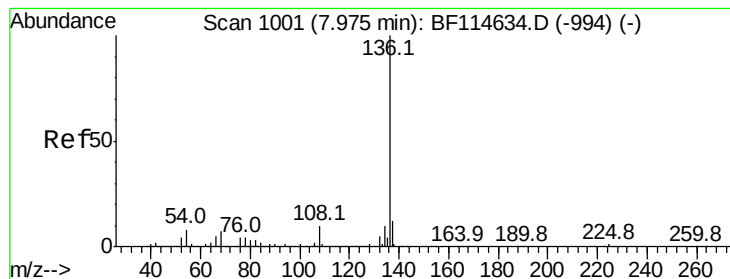
Abundance Ion 70.00 (69.70 to 70.70): BF1

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.01 min

Lab File: BF114659.D

Acq: 30 May 2019 14:26

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 1716232

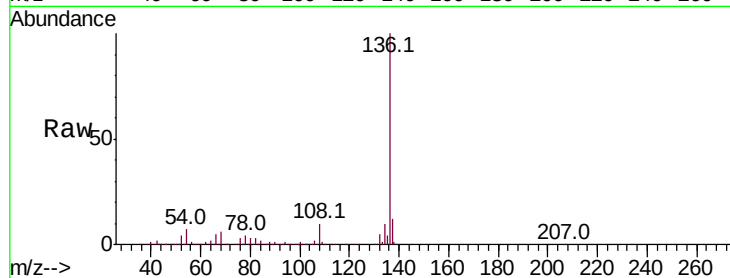
Ion Ratio Lower Upper

136 100

137 11.8 9.3 13.9

54 7.5 6.3 9.5

68 6.4 5.4 8.0

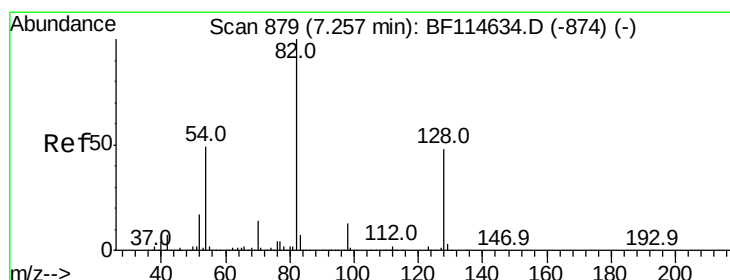
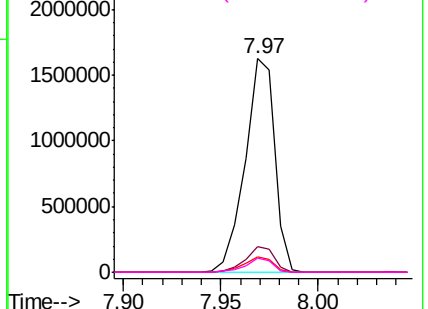
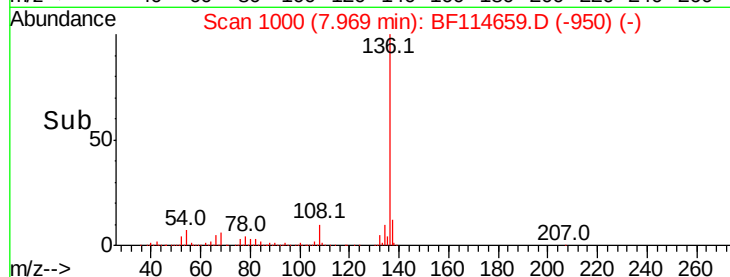


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 83.017 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF114659.D

Acq: 30 May 2019 14:26

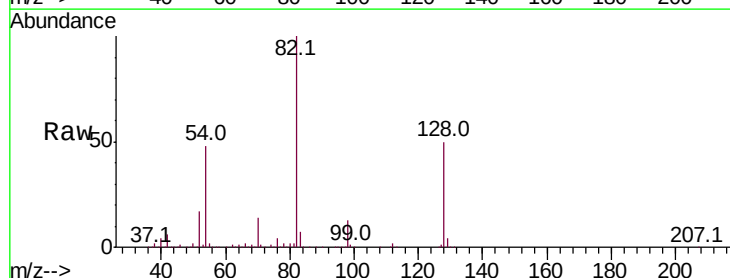
Tgt Ion: 82 Resp: 2283666

Ion Ratio Lower Upper

82 100

128 49.9 38.5 57.7

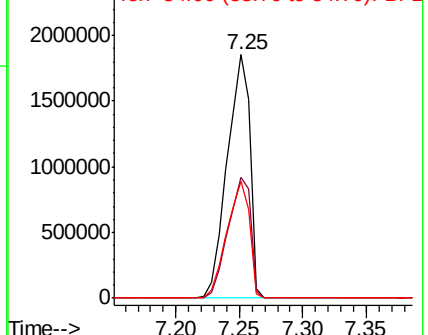
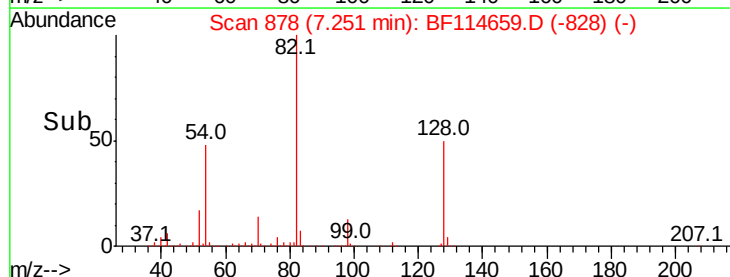
54 48.1 39.1 58.7

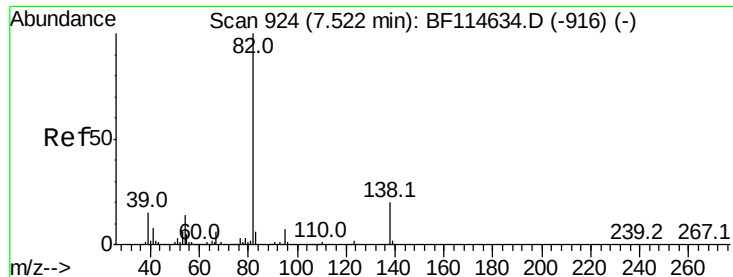


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.448 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.27 min

Lab File: BF114659.D

Acq: 30 May 2019 14:26

Instrument :

BNA_F

ClientSampleId :

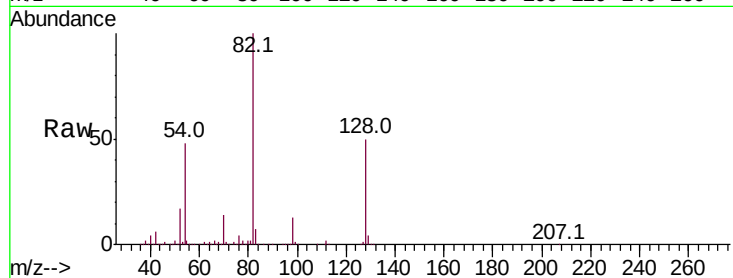
Tot Ion: 82 Resp: 2232960

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

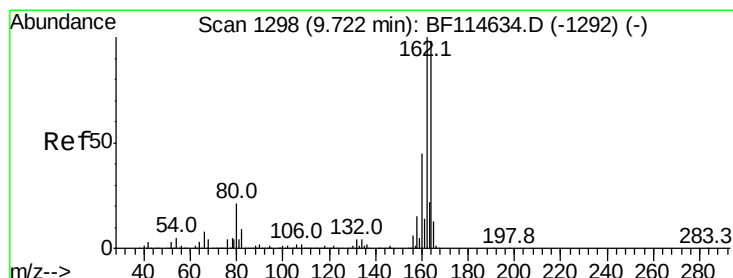
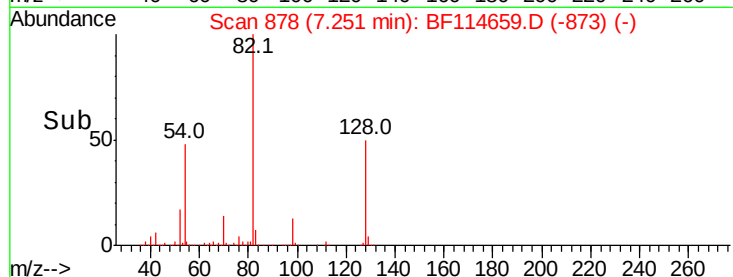
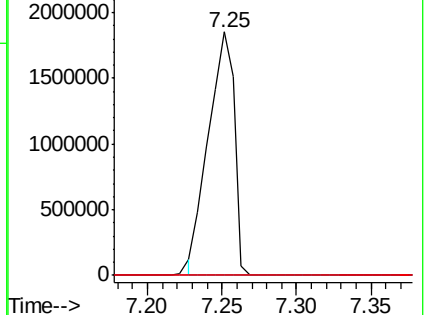
138 0.0 15.9 23.9#



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: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF114659.D

Acq: 30 May 2019 14:26

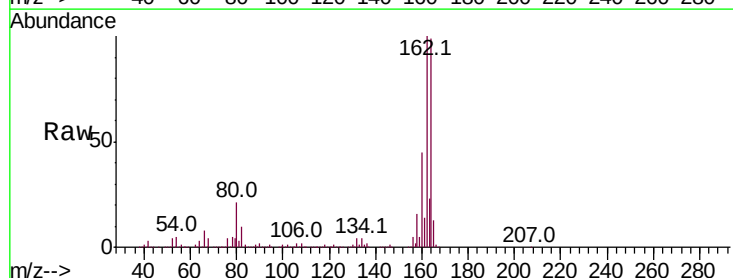
Tgt Ion: 164 Resp: 876385

Ion Ratio Lower Upper

164 100

162 100.9 81.4 122.2

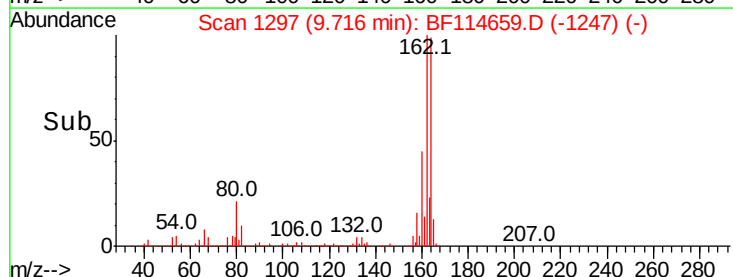
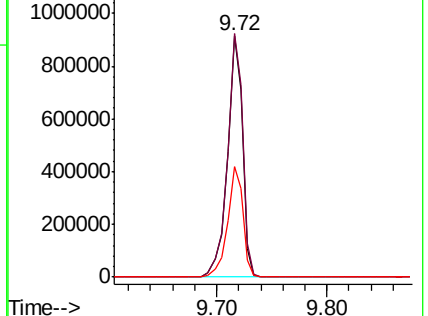
160 45.5 36.6 54.8

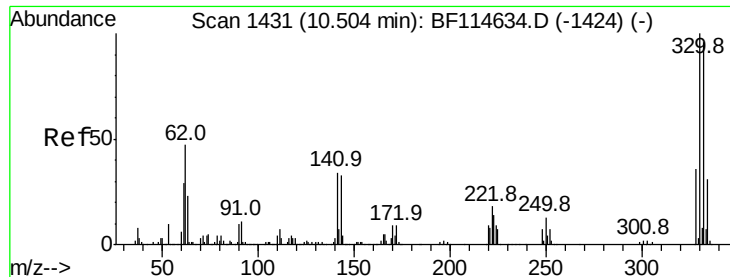


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



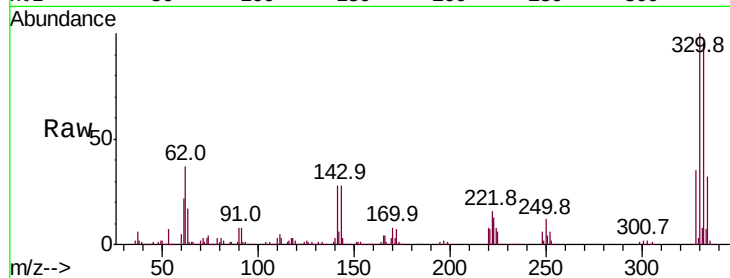


#42
 2,4,6-Tribromophenol
 Concen: 123.331 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BF114659.D
 Acq: 30 May 2019 14:26

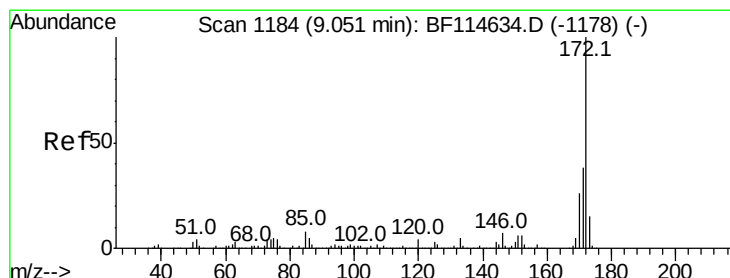
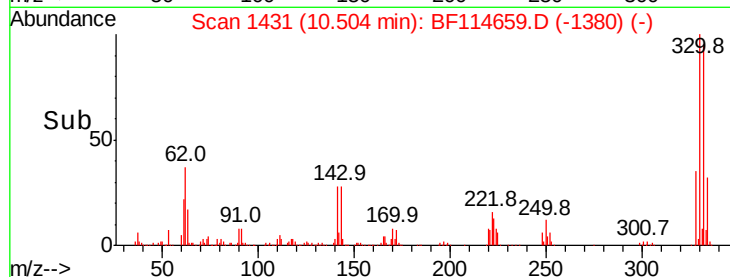
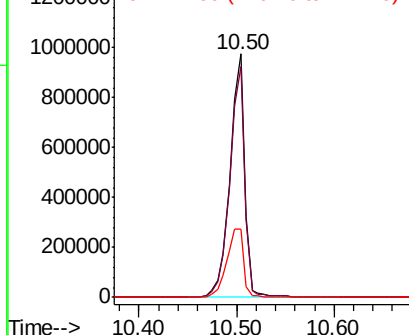
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 1029885

Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.8	113.8
141	32.6	27.8	41.8



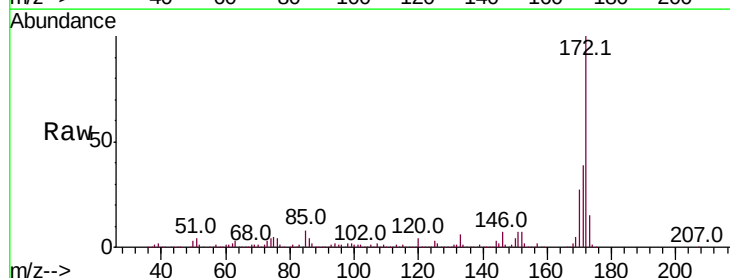
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



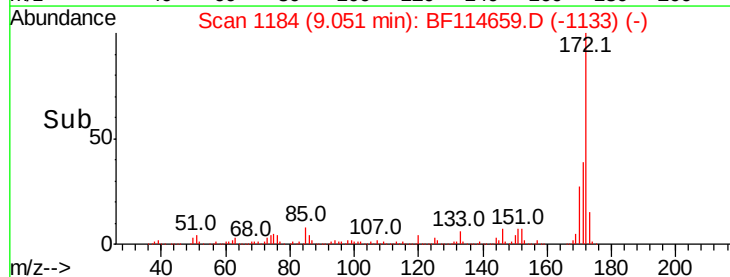
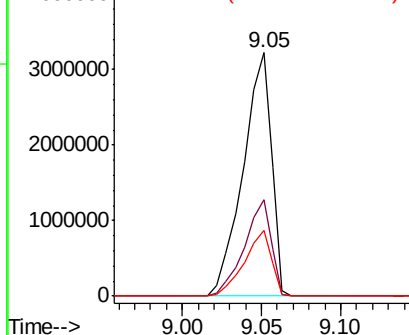
#45
 2-Fluorobiphenyl
 Concen: 85.972 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114659.D
 Acq: 30 May 2019 14:26

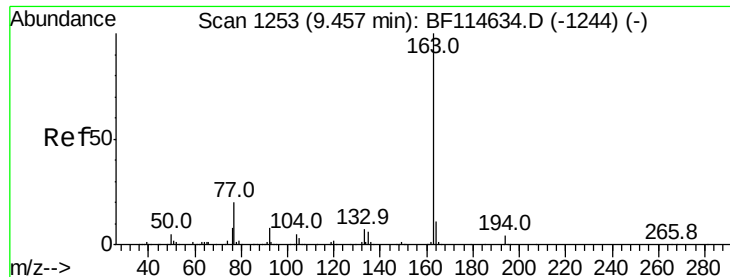
Tgt Ion:172 Resp: 4002395

Ion	Ratio	Lower	Upper
172	100		
171	39.5	30.6	45.8
170	27.1	20.7	31.1



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: 4.054 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.26 min

Lab File: BF114659.D

Acq: 30 May 2019 14:26

Instrument :

BNA_F

ClientSampleId :

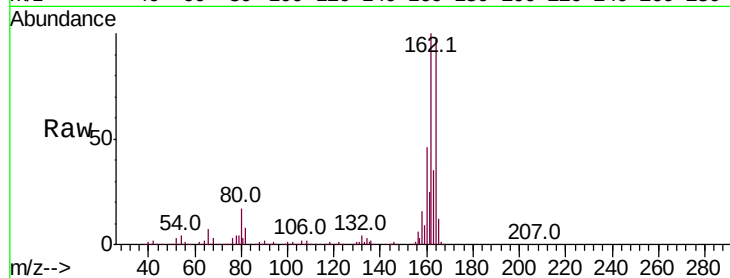
Tot Ion:163 Resp: 247582

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.0#

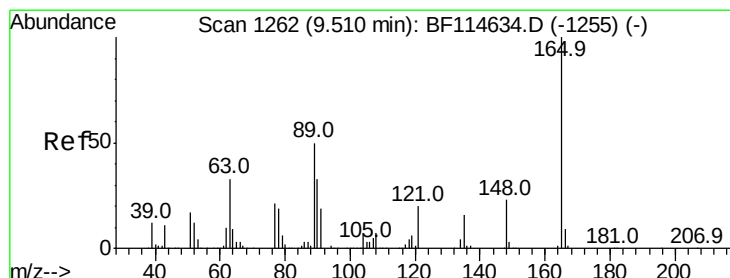
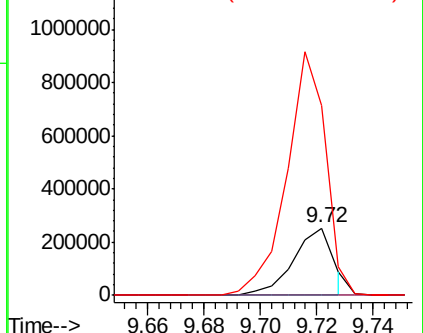
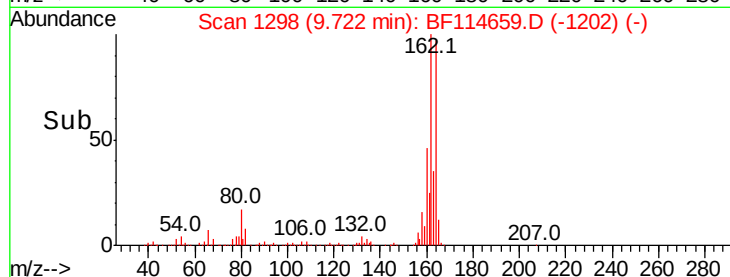
164 282.0 8.6 13.0#



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



#51

2,6-Dinitrotoluene

Concen: 7.933 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.21 min

Lab File: BF114659.D

Acq: 30 May 2019 14:26

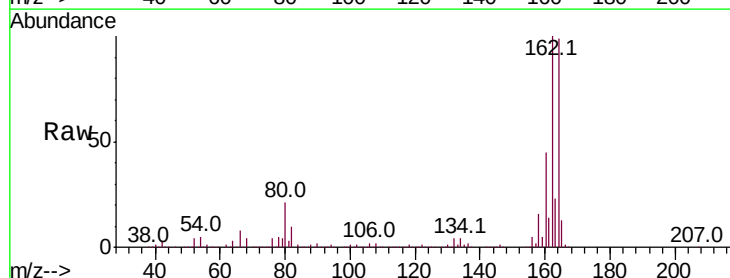
Tgt Ion:165 Resp: 112569

Ion Ratio Lower Upper

165 100

63 1.1 36.6 54.8#

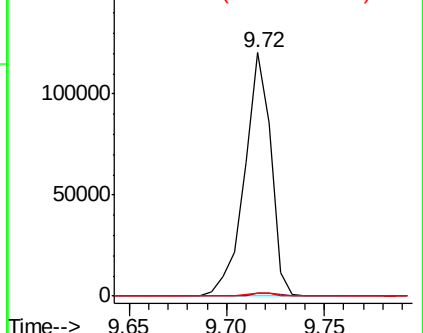
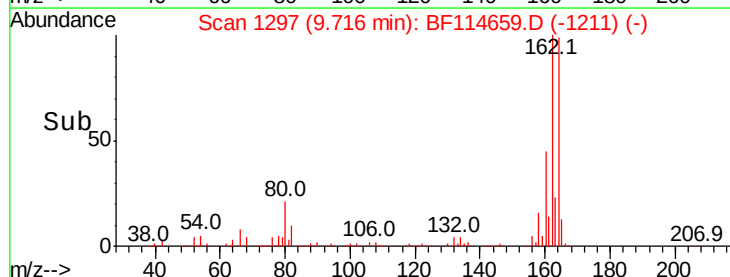
89 1.3 40.2 60.4#

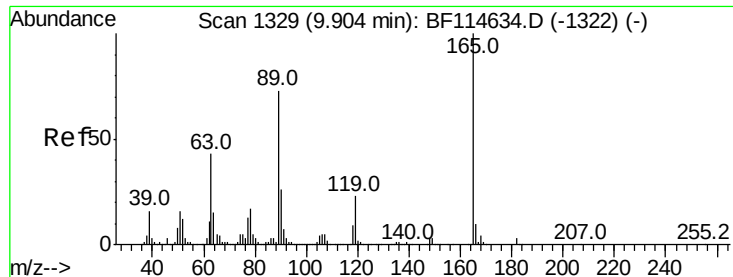


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

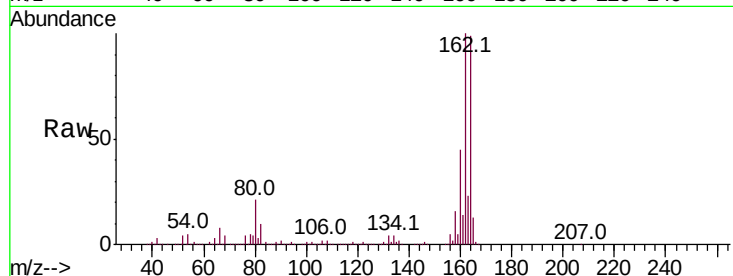




#57
 2,4-Dinitrotoluene
 Concen: 6.181 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.19 min
 Lab File: BF114659.D
 Acq: 30 May 2019 14:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.8	52.2#
89	1.3	58.5	87.7#
182	0.0	2.2	3.2#

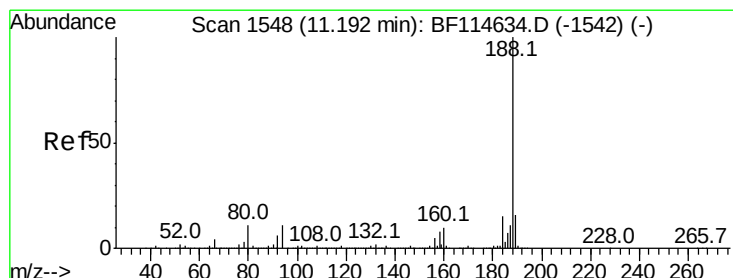
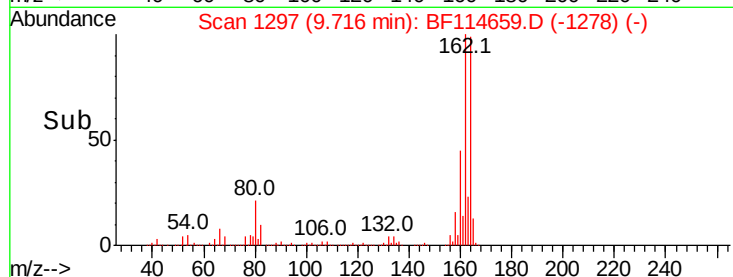
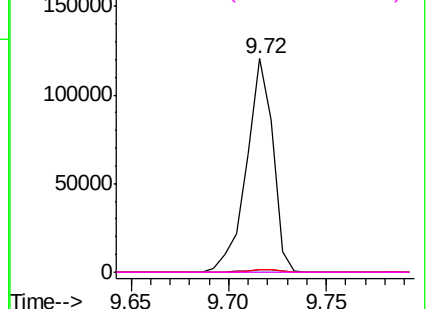


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

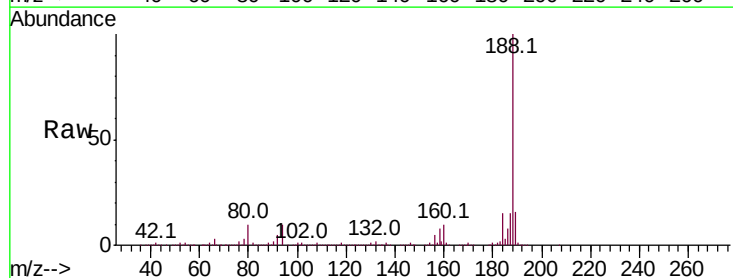
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. 0.00 min
 Lab File: BF114659.D
 Acq: 30 May 2019 14:26

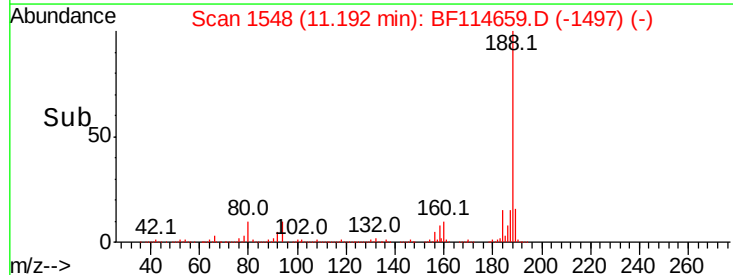
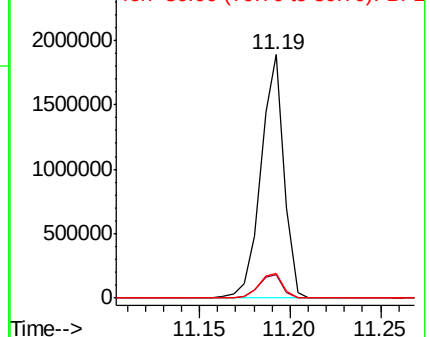
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.6	13.0
80	10.4	9.0	13.6

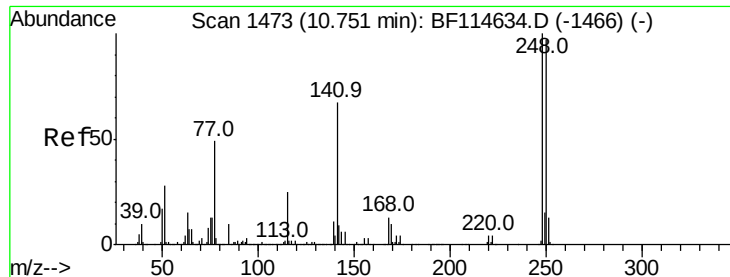


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

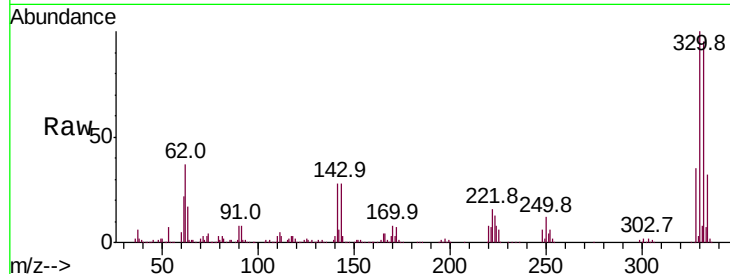




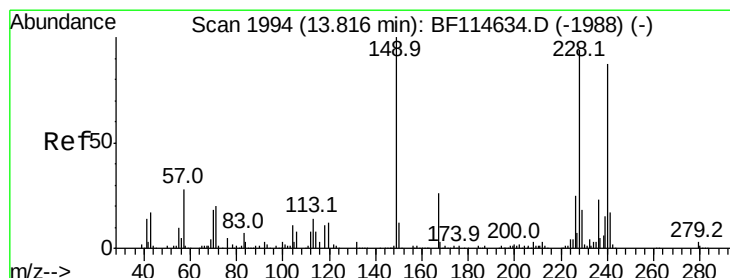
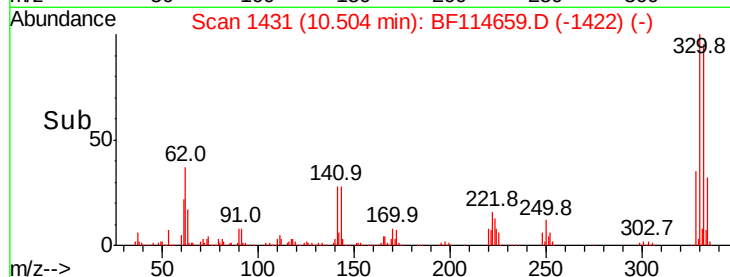
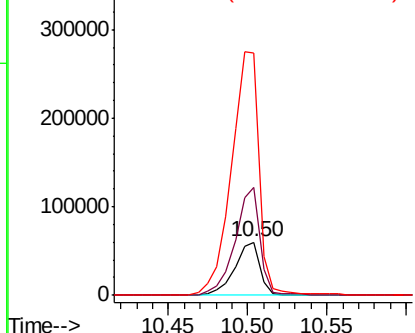
#67
4-Bromophenyl-phenylether
Concen: 3.696 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.25 min
Lab File: BF114659.D
Acq: 30 May 2019 14:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 66303
Ion Ratio Lower Upper
248 100
250 203.1 78.0 117.0#
141 456.6 53.8 80.8#

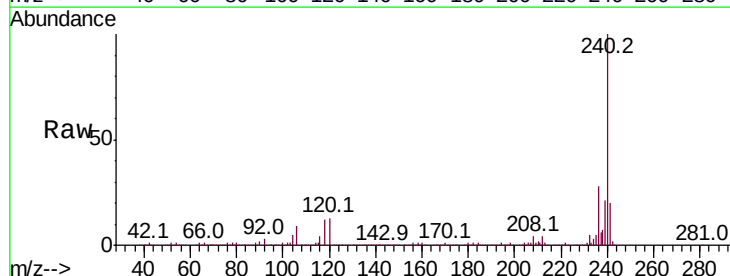


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

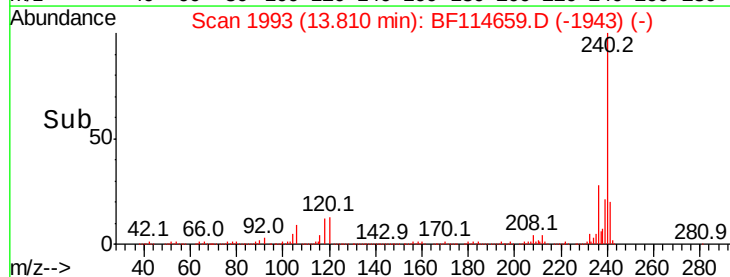
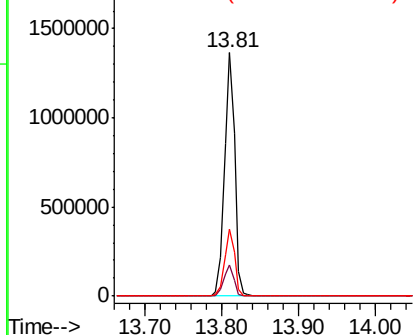


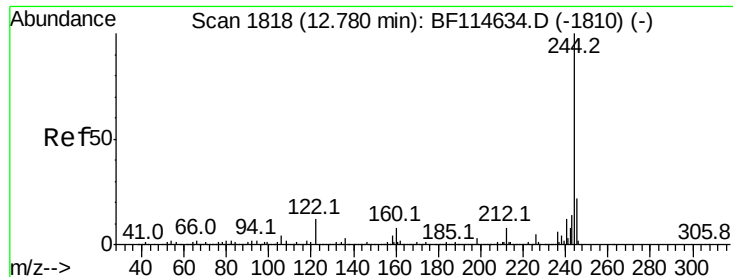
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF114659.D
Acq: 30 May 2019 14:26

Tgt Ion:240 Resp: 1258096
Ion Ratio Lower Upper
240 100
120 12.9 11.2 16.8
236 27.5 21.2 31.8



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: 62.997 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF114659.D

Acq: 30 May 2019 14:26

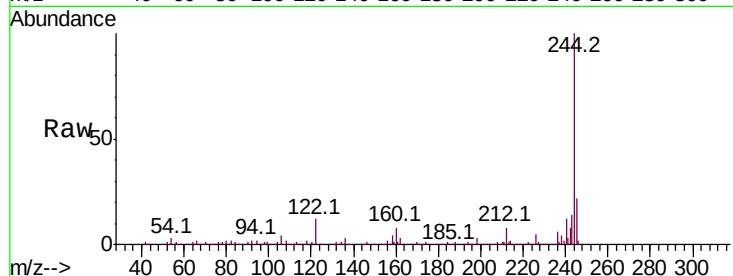
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 4215407

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.1	9.1
122	12.3	9.8	14.8

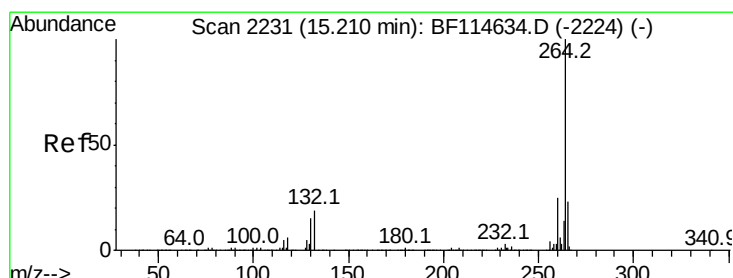
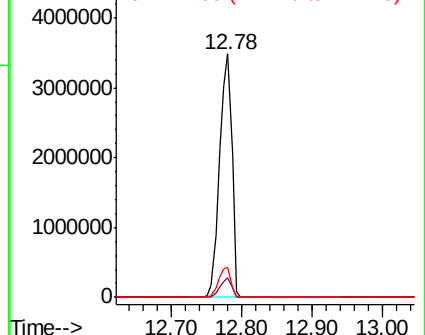
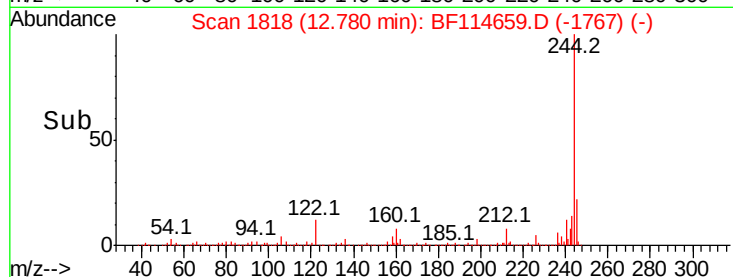


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.20 min Scan# 2229

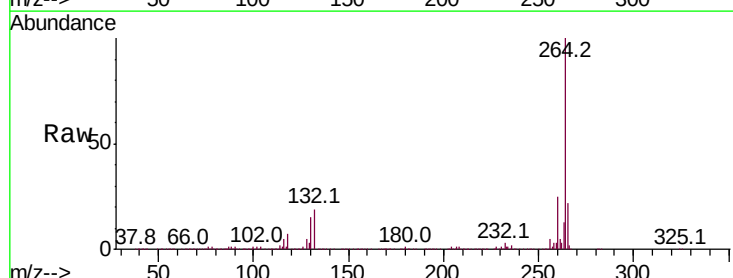
Delta R.T. -0.01 min

Lab File: BF114659.D

Acq: 30 May 2019 14:26

Tgt Ion:264 Resp: 1239873

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.7	29.5
265	21.9	18.1	27.1



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

