

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022620\
 Data File : BF119089.D
 Acq On : 26 Feb 2020 12:26
 Operator : CG/JU
 Sample : L1644-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 16:10:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

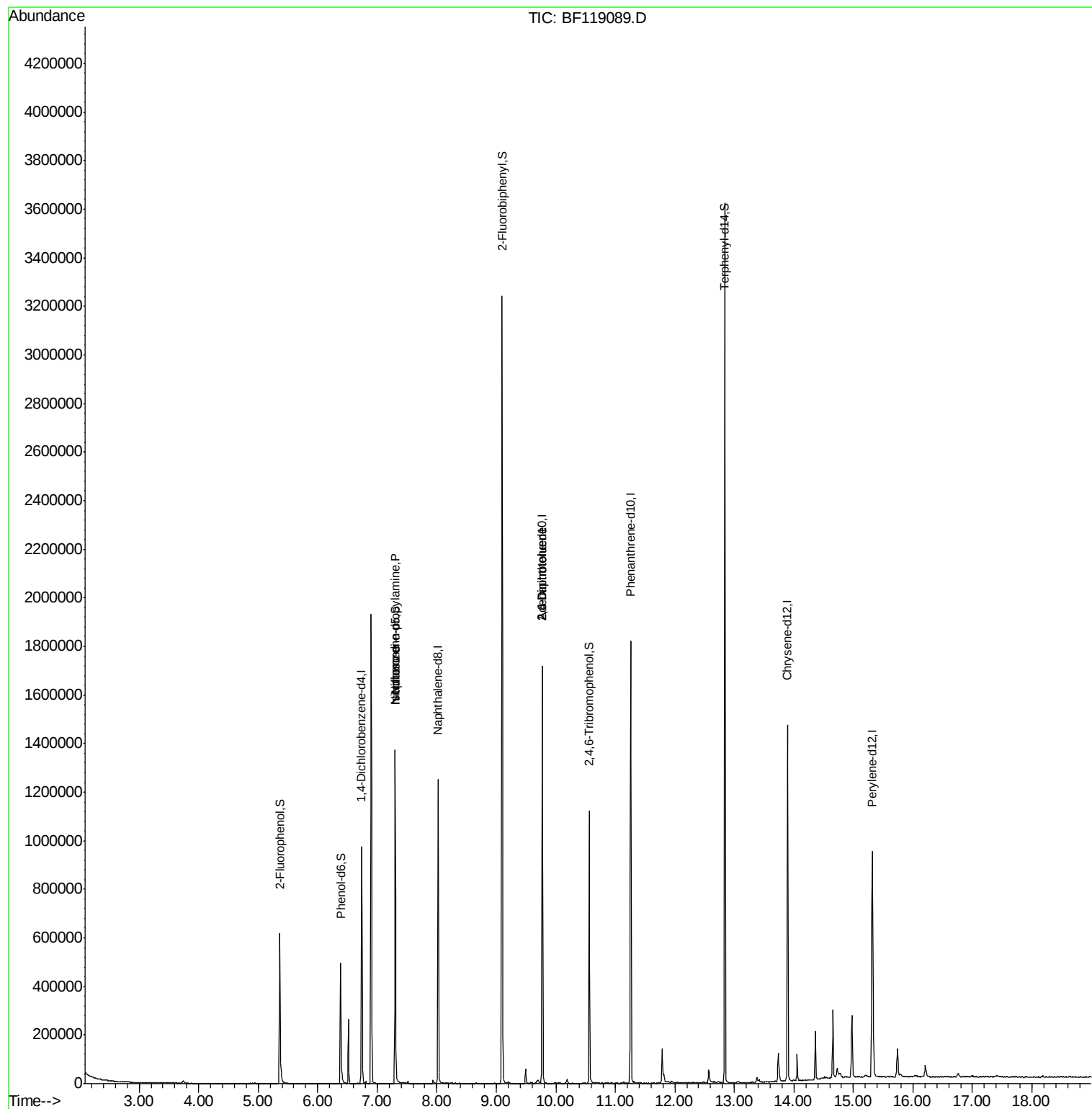
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	168530	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	638597	20.00	ng	-0.01
39) Acenaphthene-d10	9.77	164	350289	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	666273	20.00	ng	0.00
76) Chrysene-d12	13.89	240	547372	20.00	ng	-0.01
87) Perylene-d12	15.32	264	420394	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	210158	20.84	ng	0.00
7) Phenol-d6	6.39	99	217318	17.72	ng	-0.02
23) Nitrobenzene-d5	7.30	82	467726	38.67	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	143347	31.28	ng	-0.01
45) 2-Fluorobiphenyl	9.10	172	975189	41.01	ng	-0.01
79) Terphenyl-d14	12.84	244	1252798	39.40	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	64239	8.989	ng	# 74
25) Isophorone	7.30	82	461664	21.979	ng	# 63
51) 2,6-Dinitrotoluene	9.77	165	44911	7.547	ng	# 33
57) 2,4-Dinitrotoluene	9.77	165	44911	5.822	ng	# 20

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

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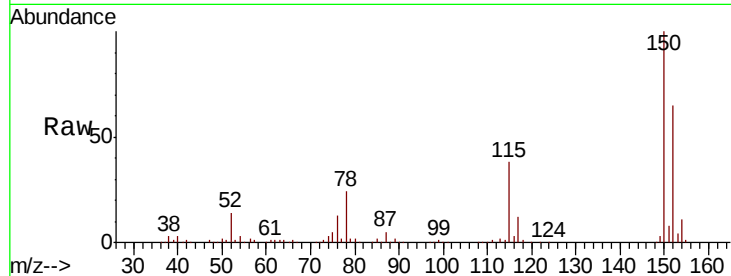


#1

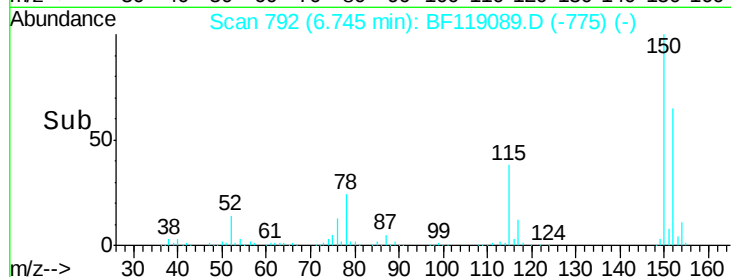
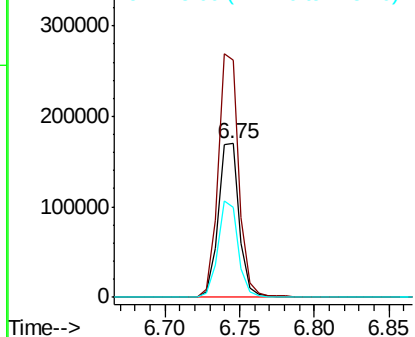
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF119089.D
Acq: 26 Feb 2020 12:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	123.0	184.6
115	58.8	49.5	74.3



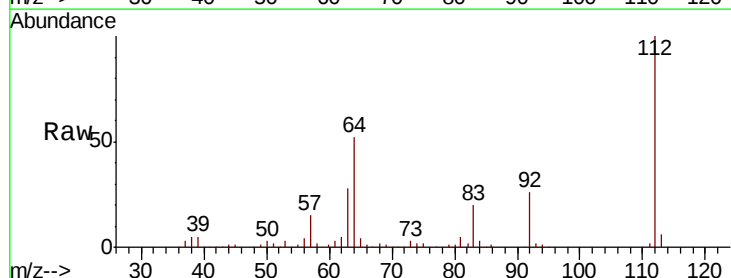
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



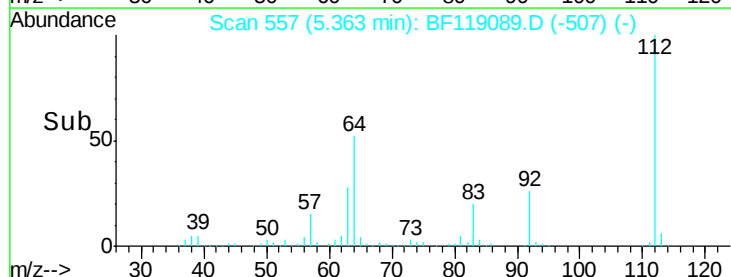
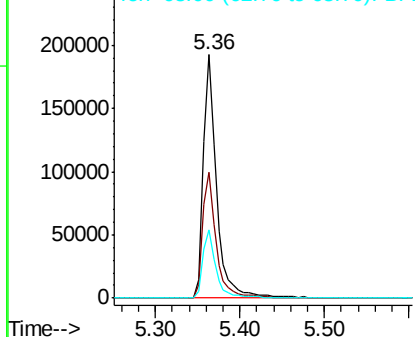
#5

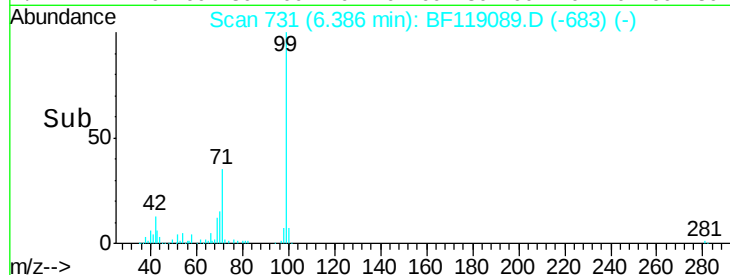
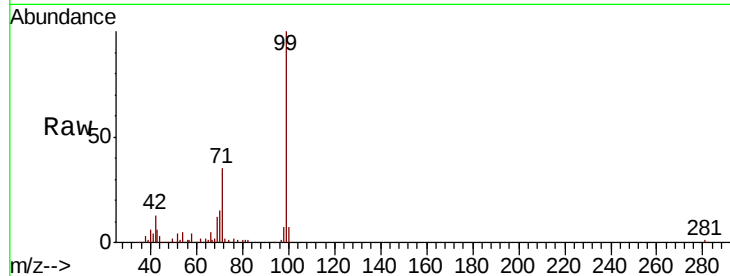
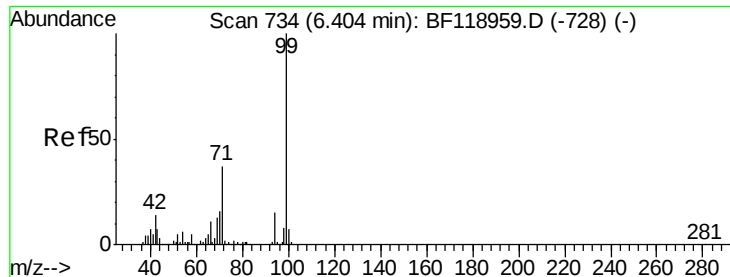
2-Fluorophenol
Concen: 20.840 ng
RT: 5.36 min Scan# 557
Delta R.T. -0.01 min
Lab File: BF119089.D
Acq: 26 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	45.0	67.4
63	28.0	24.2	36.4



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

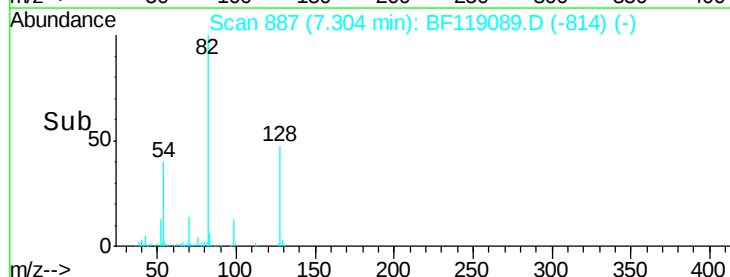
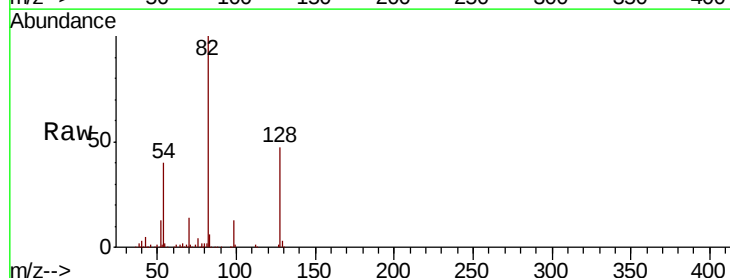
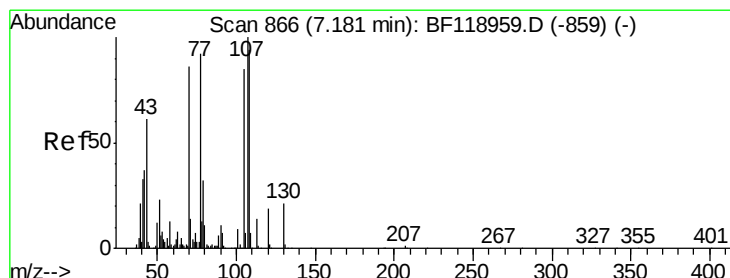
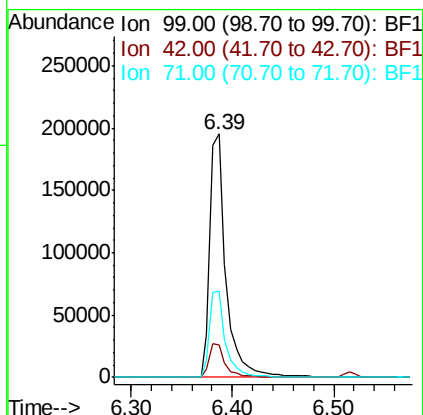




#7
Phenol-d6
Concen: 17.719 ng
RT: 6.39 min Scan# 731
Delta R.T. -0.02 min
Lab File: BF119089.D
Acq: 26 Feb 2020 12:26

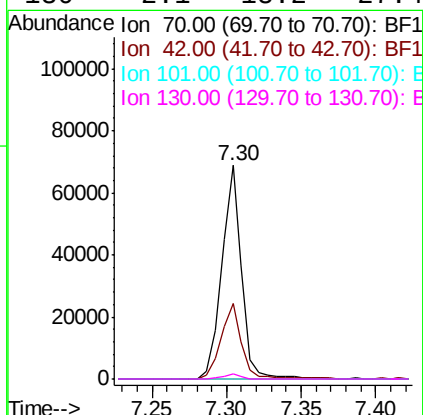
Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
99	100		
42	13.1	12.6	18.8
71	35.2	31.0	46.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.989 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.13 min
Lab File: BF119089.D
Acq: 26 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
70	100		
42	35.6	38.0	57.0#
101	0.0	8.2	12.4#
130	2.1	18.2	27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF119089.D

Acq: 26 Feb 2020 12:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 638597

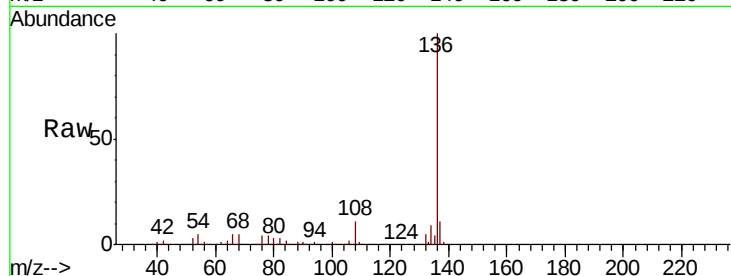
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 5.4 3.8 5.6

68 5.2 3.9 5.9

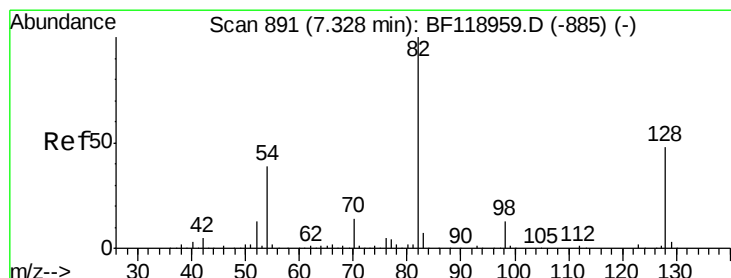
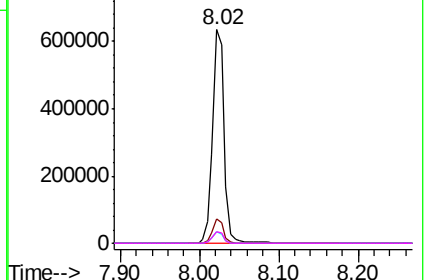
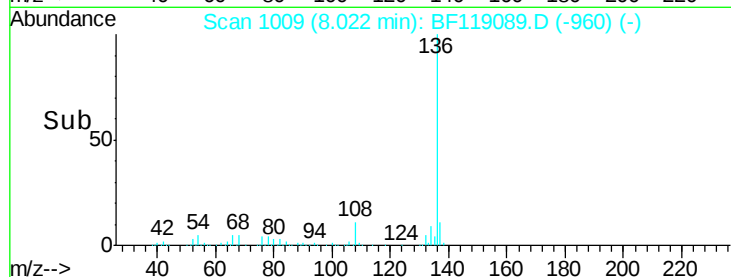


Abundance Ion 136.00 (135.70 to 136.70): E

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: 38.672 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF119089.D

Acq: 26 Feb 2020 12:26

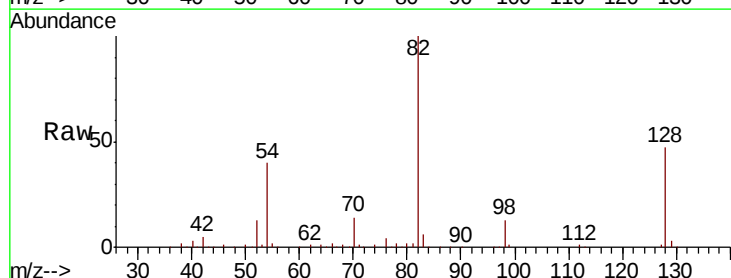
Tgt Ion: 82 Resp: 467726

Ion Ratio Lower Upper

82 100

128 47.3 37.9 56.9

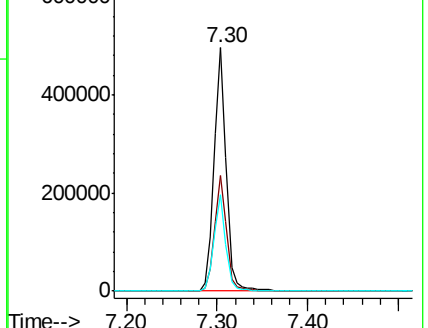
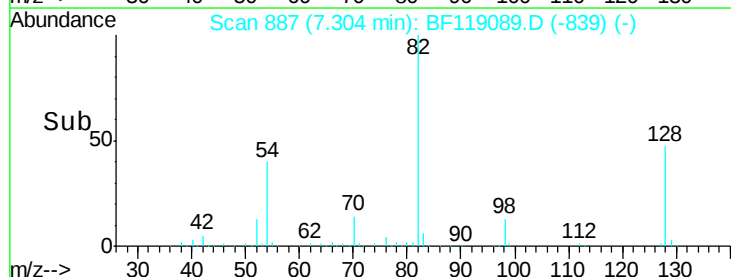
54 39.7 33.4 50.2

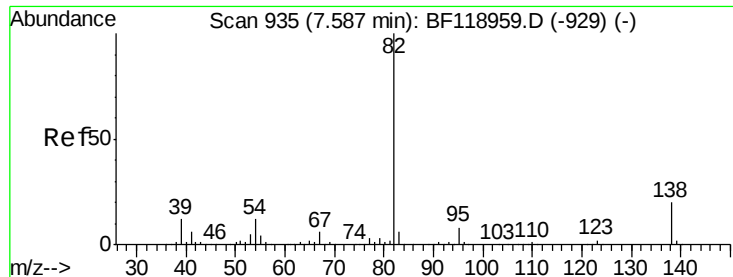


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 21.979 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF119089.D

Acq: 26 Feb 2020 12:26

Instrument :

BNA_F

ClientSampleId :

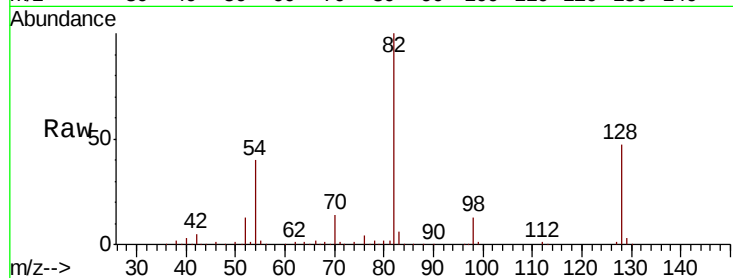
Tot Ion: 82 Resp: 461664

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

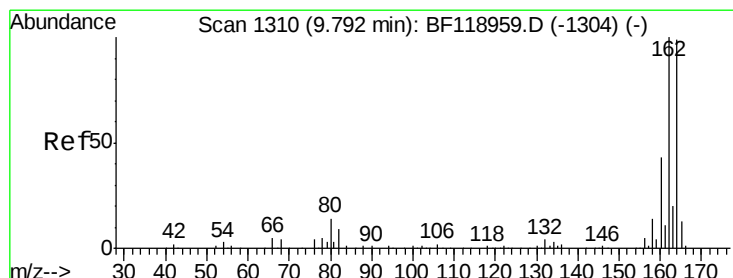
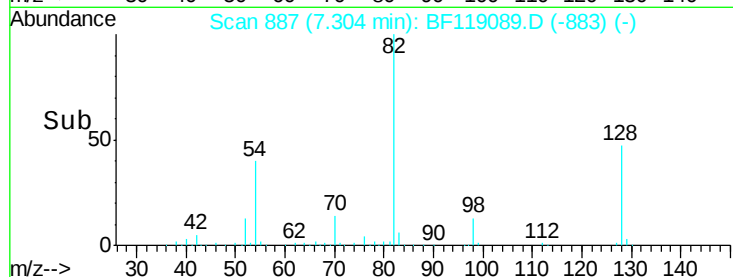
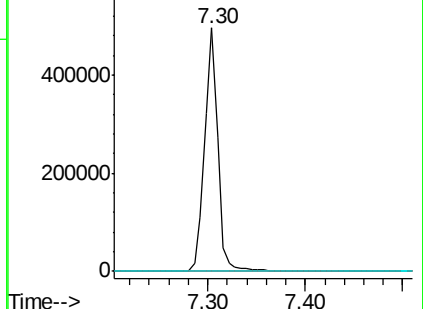
138 0.0 15.7 23.5#



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: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF119089.D

Acq: 26 Feb 2020 12:26

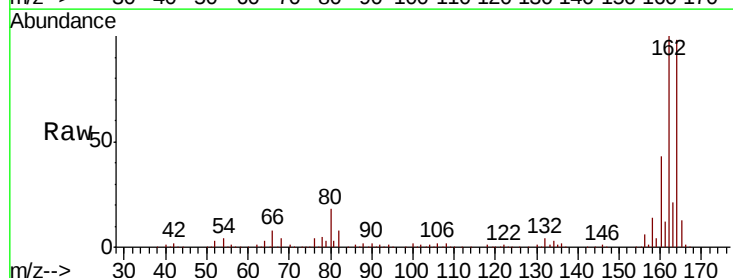
Tgt Ion: 164 Resp: 350289

Ion Ratio Lower Upper

164 100

162 102.2 81.8 122.8

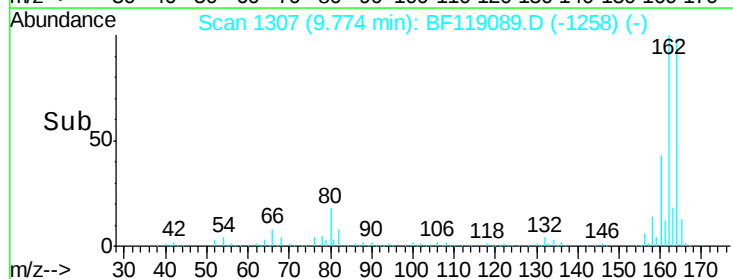
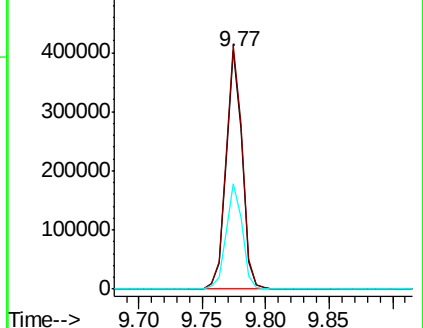
160 44.0 36.0 54.0

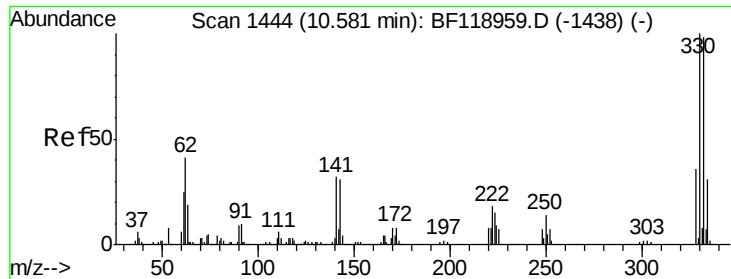


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

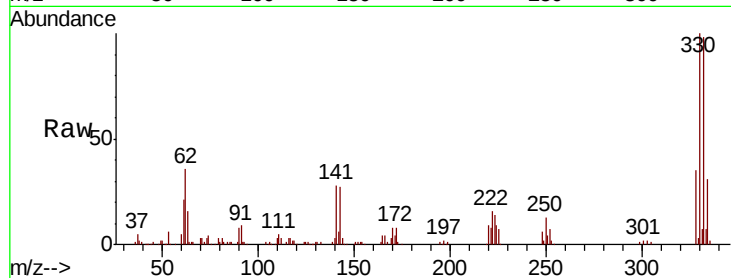




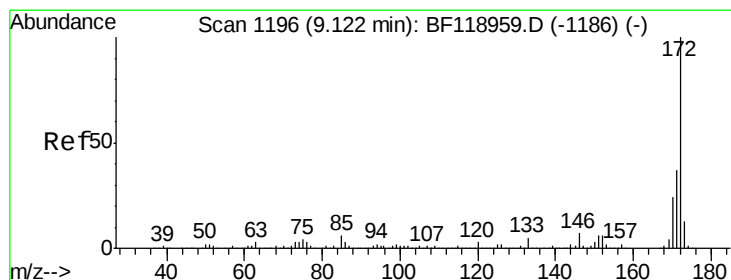
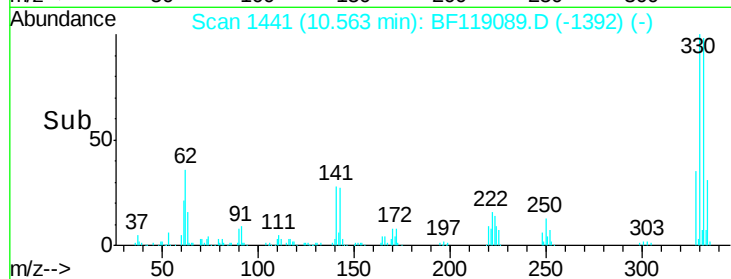
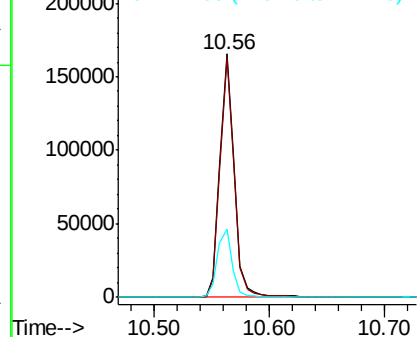
#42
 2,4,6-Tribromophenol
 Concen: 31.282 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF119089.D
 Acq: 26 Feb 2020 12:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.0	114.0
141	29.3	22.9	34.3

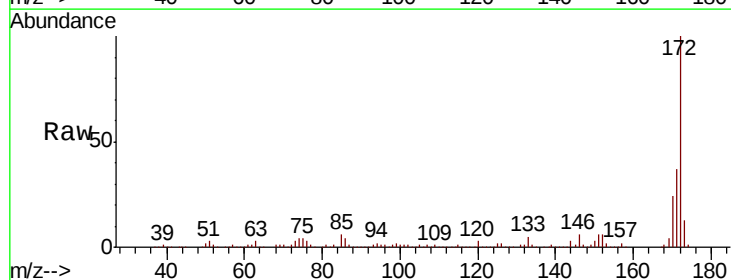


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

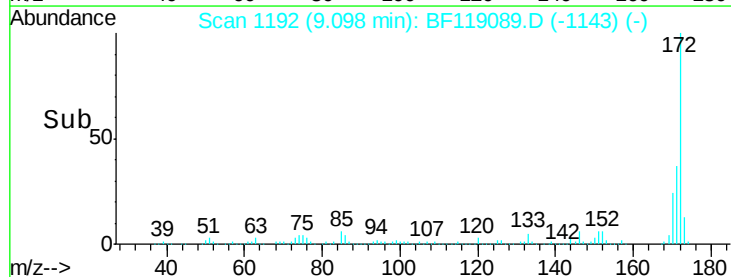
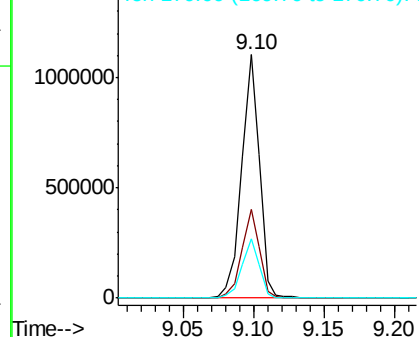


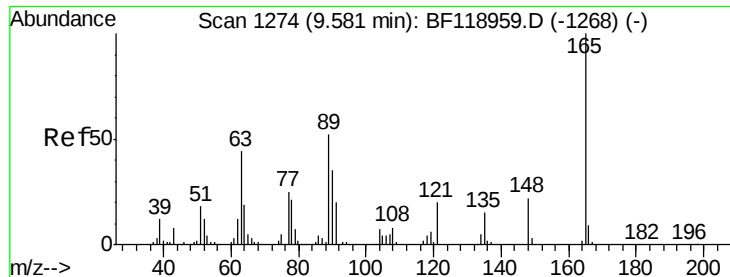
#45
 2-Fluorobiphenyl
 Concen: 41.012 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF119089.D
 Acq: 26 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.6	45.8
170	24.2	20.2	30.2



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





#51

2,6-Dinitrotoluene

Concen: 7.547 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.19 min

Lab File: BF119089.D

Acq: 26 Feb 2020 12:26

Instrument :

BNA_F

ClientSampleId :

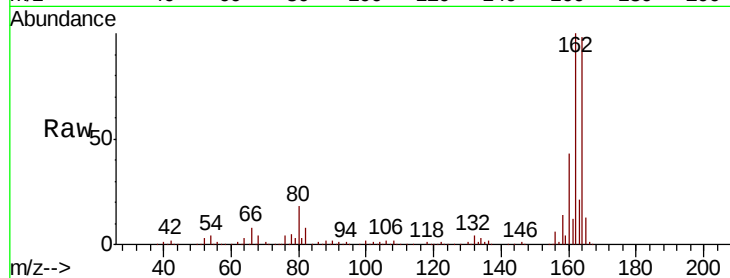
Tot Ion:165 Resp: 44911

Ion Ratio Lower Upper

165 100

63 1.3 34.3 51.5#

89 1.0 38.3 57.5#



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

60000

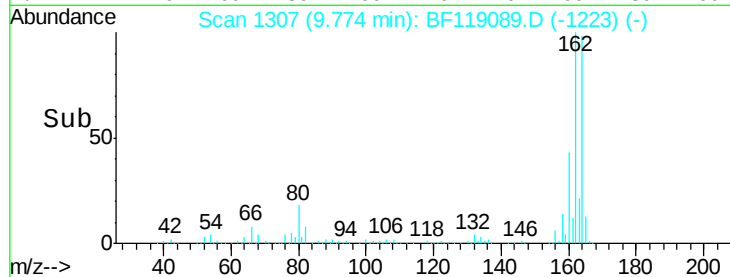
40000

20000

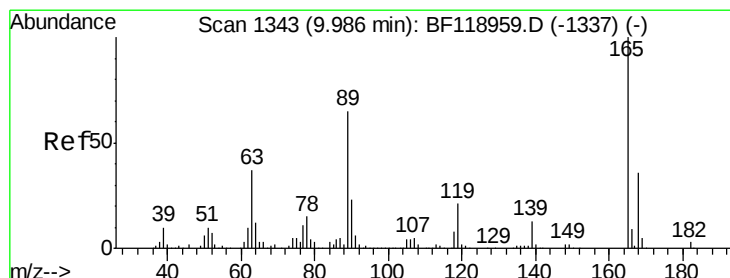
0

9.77

9.75 9.80



Time-->



#57

2,4-Dinitrotoluene

Concen: 5.822 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.21 min

Lab File: BF119089.D

Acq: 26 Feb 2020 12:26

Tgt Ion:165 Resp: 44911

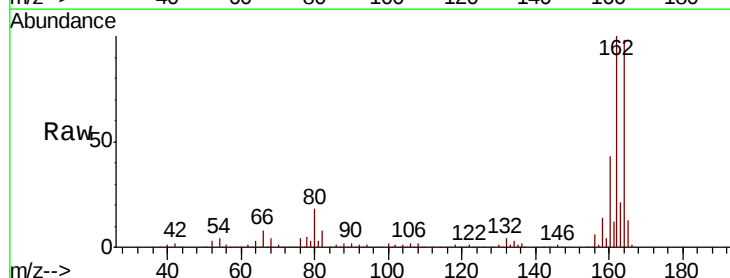
Ion Ratio Lower Upper

165 100

63 1.3 42.3 63.5#

89 1.0 60.2 90.4#

182 0.0 2.3 3.5#



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

80000

60000

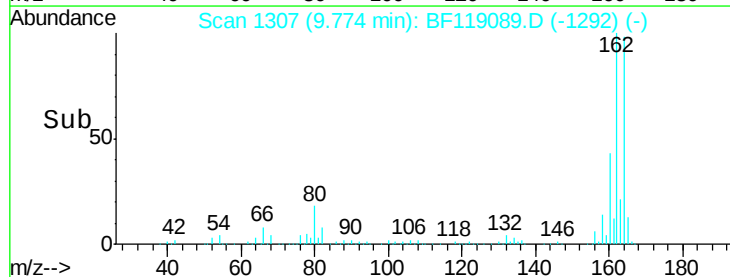
40000

20000

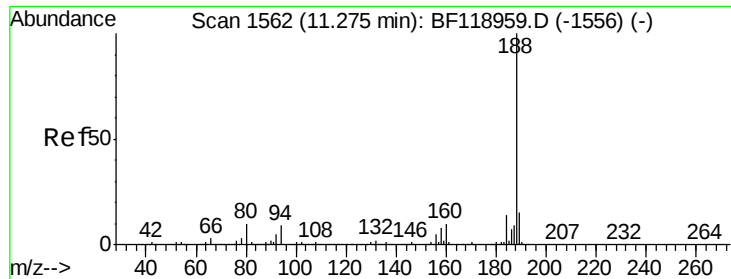
0

9.77

9.75 9.80



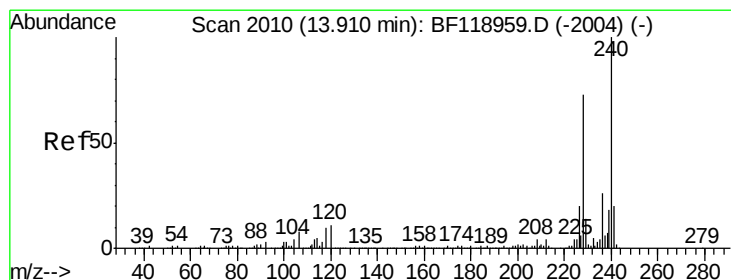
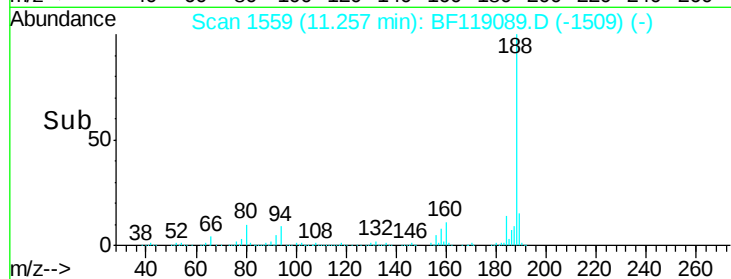
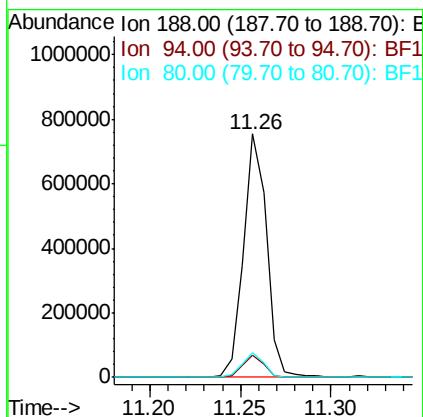
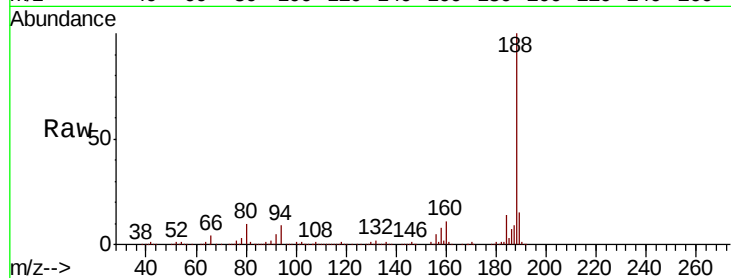
Time-->



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF119089.D
Acq: 26 Feb 2020 12:26

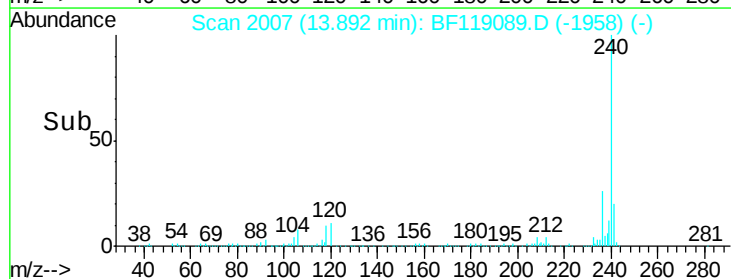
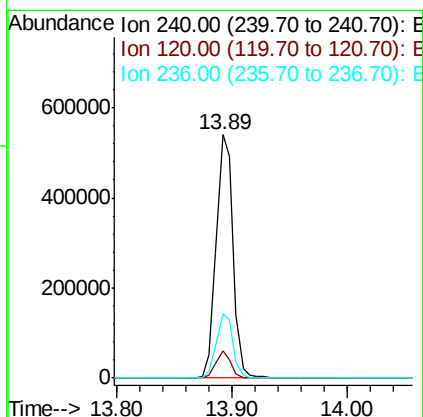
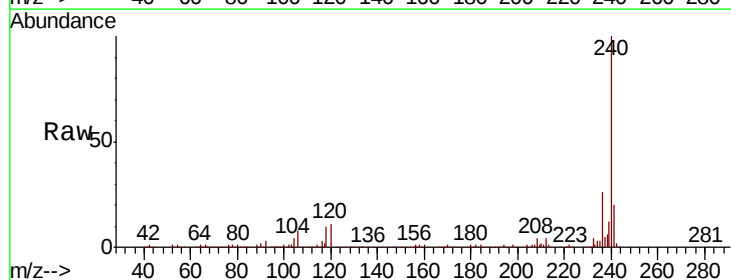
Instrument :
BNA_F
ClientSampled :

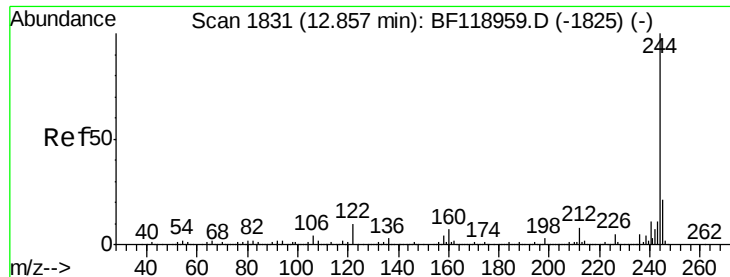
Tot Ion:188 Resp: 666273
Ion Ratio Lower Upper
188 100
94 9.2 7.1 10.7
80 10.1 7.8 11.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF119089.D
Acq: 26 Feb 2020 12:26

Tgt Ion:240 Resp: 547372
Ion Ratio Lower Upper
240 100
120 11.1 8.4 12.6
236 26.4 21.0 31.4





#79

Terphenyl-d14

Concen: 39.405 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF119089.D

Acq: 26 Feb 2020 12:26

Instrument :

BNA_F

ClientSampleId :

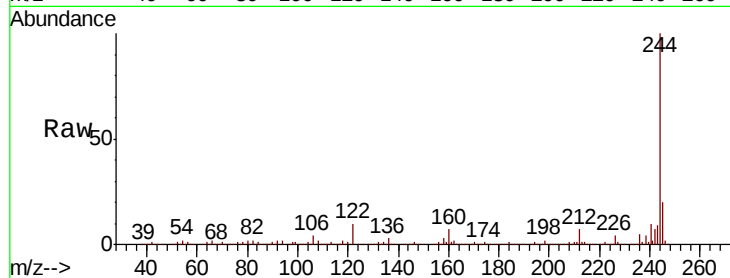
Tot Ion:244 Resp: 1252798

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.6	10.0
122	10.4	8.2	12.2

244 100

212 7.2 6.6 10.0

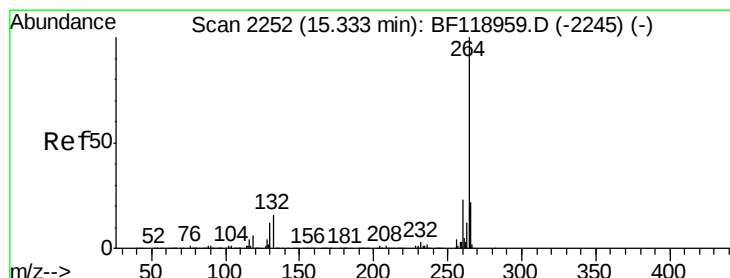
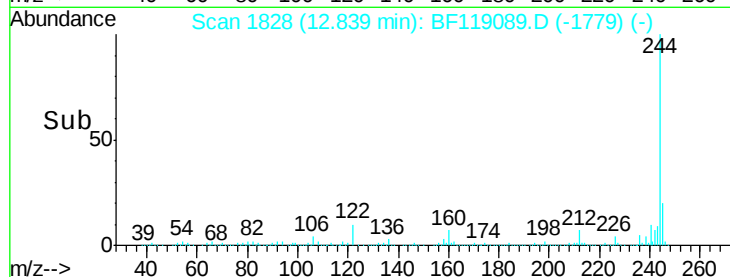
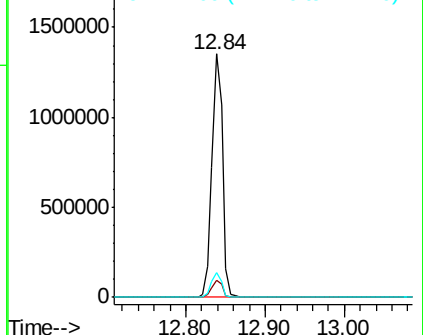
122 10.4 8.2 12.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2249

Delta R.T. -0.01 min

Lab File: BF119089.D

Acq: 26 Feb 2020 12:26

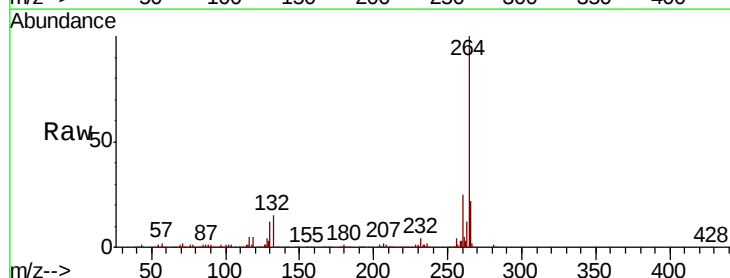
Tgt Ion:264 Resp: 420394

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	21.9	17.7	26.5

264 100

260 24.5 19.4 29.2

265 21.9 17.7 26.5



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

