

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
 Data File : BF116306.D
 Acq On : 16 Aug 2019 3:54
 Operator : HP/JU
 Sample : K4319-05 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 16 05:14:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

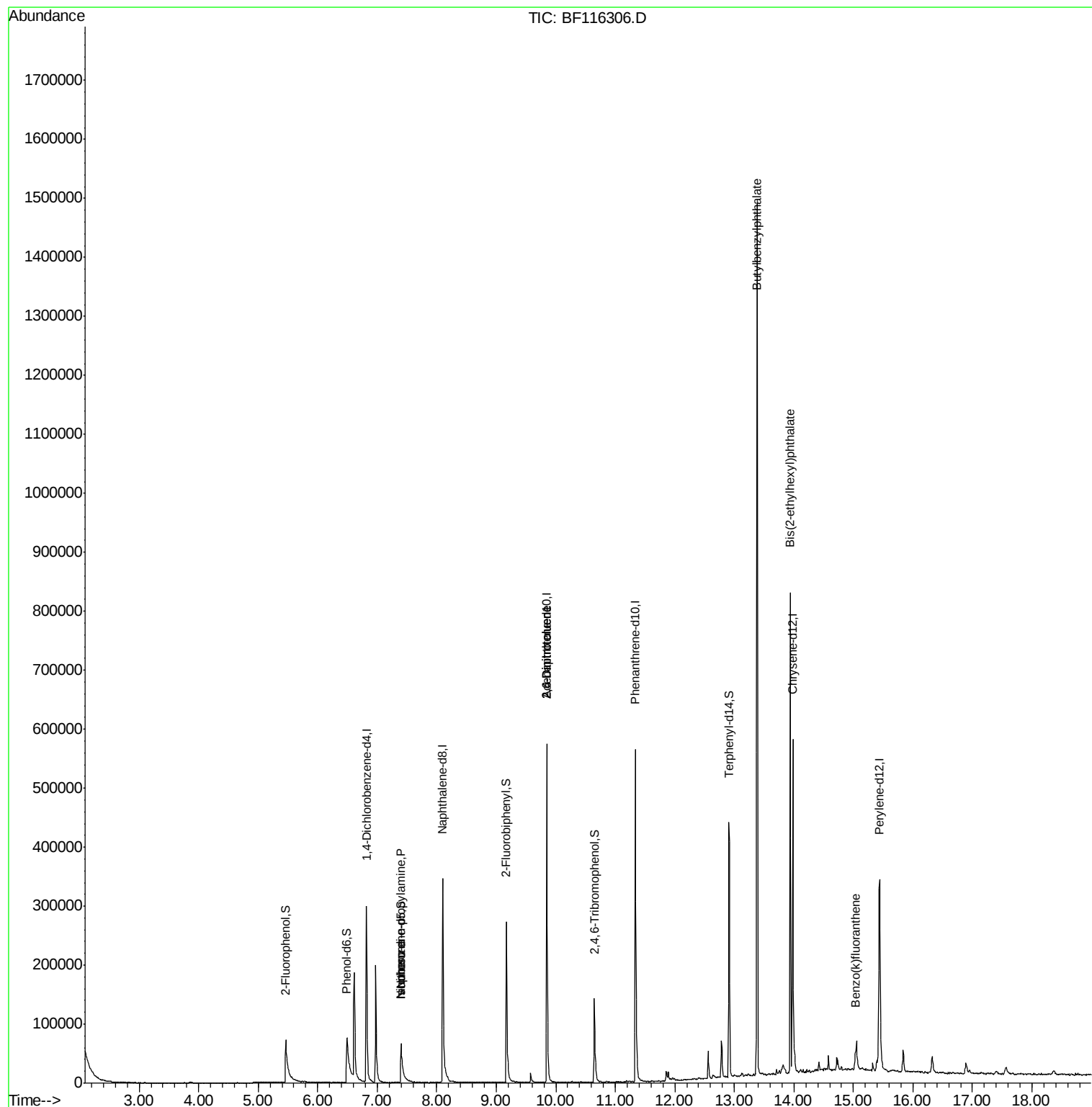
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	60044	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	250198	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	135511	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	251212	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	213315	20.00	ng	-0.03
87) Perylene-d12	15.44	264	196056	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	63199	17.62	ng	0.00
7) Phenol-d6	6.49	99	108140	23.90	ng	0.00
23) Nitrobenzene-d5	7.40	82	63979	14.76	ng	-0.02
42) 2,4,6-Tribromophenol	10.65	330	28369	21.59	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	127439	17.62	ng	-0.04
79) Terphenyl-d14	12.91	244	159532	15.76	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	7236	2.580	ng	# 81
25) Isophorone	7.40	82	63979	7.719	ng	# 65
51) 2,6-Dinitrotoluene	9.85	165	17033	8.495	ng	# 27
57) 2,4-Dinitrotoluene	9.85	165	17033	6.380	ng	# 19
80) Butylbenzylphthalate	13.39	149	357302	52.530	ng	98
84) Bis(2-ethylhexyl)phthalate	13.94	149	203991	23.078	ng	100
89) Benzo(k)fluoranthene	15.03	252	22633	2.050	ng	98

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

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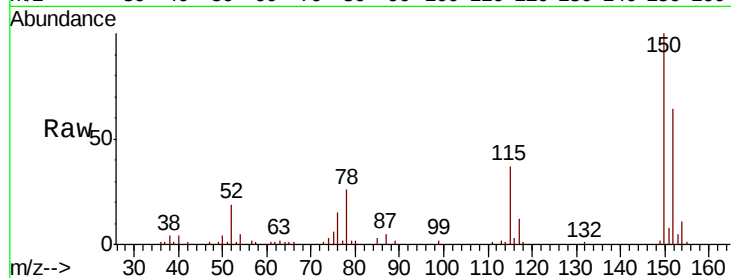


#1

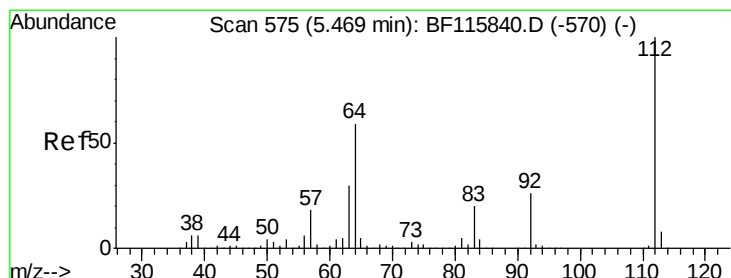
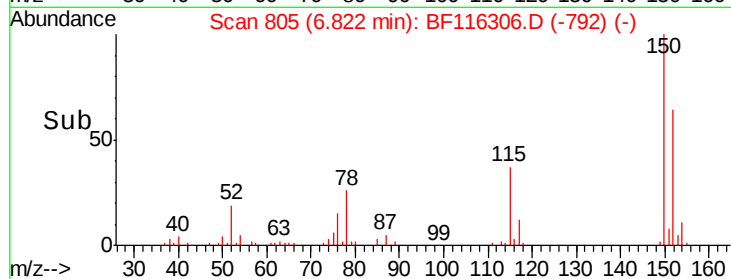
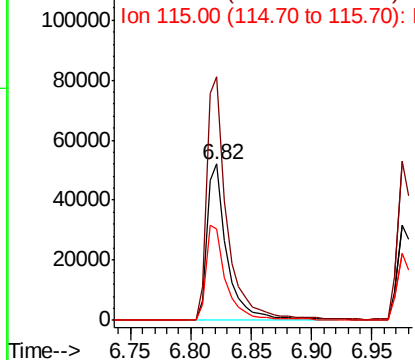
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF116306.D
Acq: 16 Aug 2019 3:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 60044
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.2
115 58.2 49.9 74.9



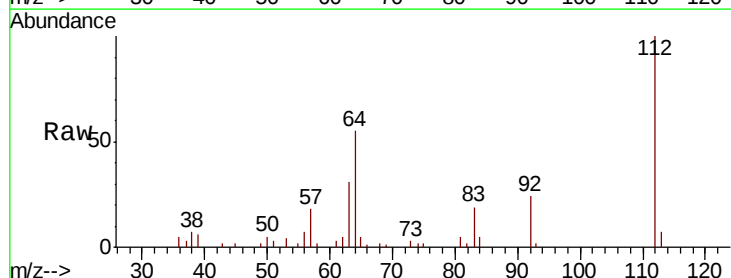
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



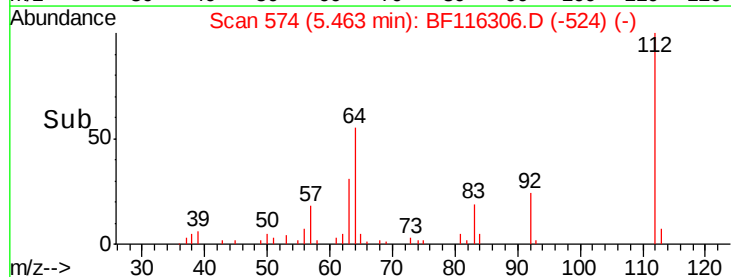
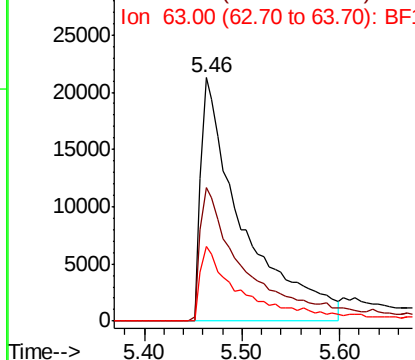
#5

2-Fluorophenol
Concen: 17.620 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116306.D
Acq: 16 Aug 2019 3:54

Tgt Ion:112 Resp: 63199
Ion Ratio Lower Upper
112 100
64 54.7 45.4 68.2
63 30.9 23.7 35.5



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: 23.897 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF116306.D

Acq: 16 Aug 2019 3:54

Instrument :

BNA_F

ClientSampleId :

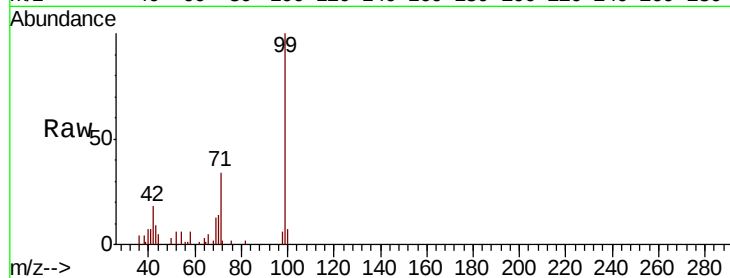
Tot Ion: 99 Resp: 108140

Ion Ratio Lower Upper

99 100

42 17.8 13.8 20.8

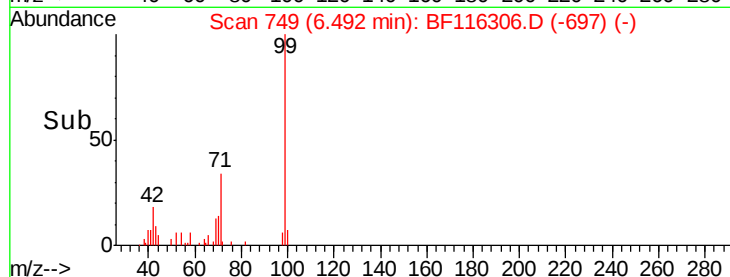
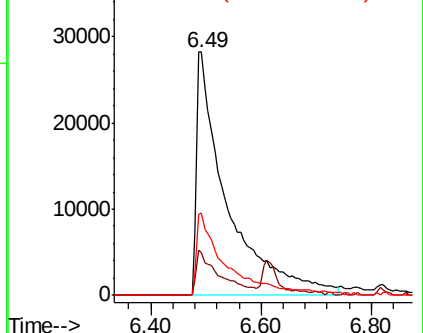
71 33.7 27.3 40.9



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: 2.580 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116306.D

Acq: 16 Aug 2019 3:54

Tgt Ion: 70 Resp: 7236

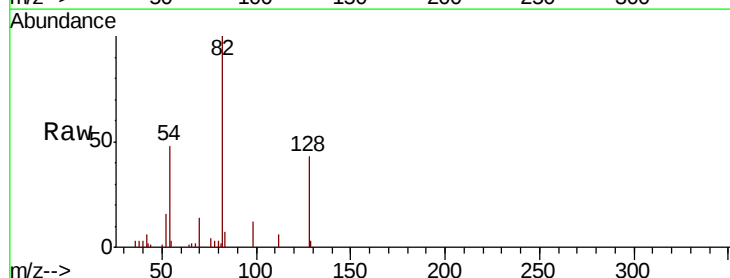
Ion Ratio Lower Upper

70 100

42 46.0 40.9 61.3

101 0.0 7.9 11.9#

130 0.0 16.9 25.3#

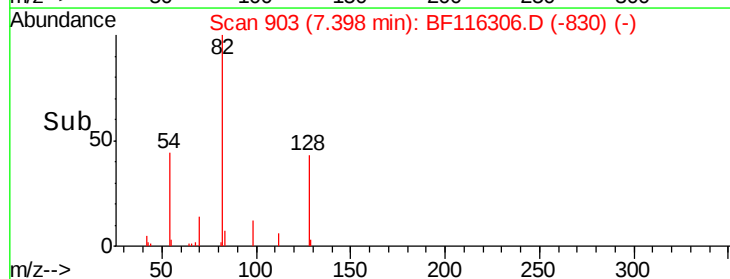
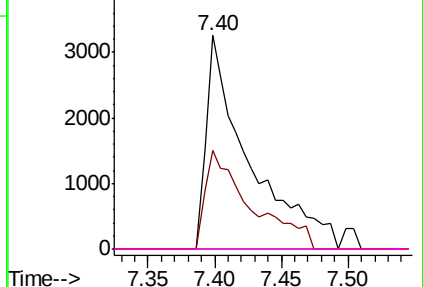


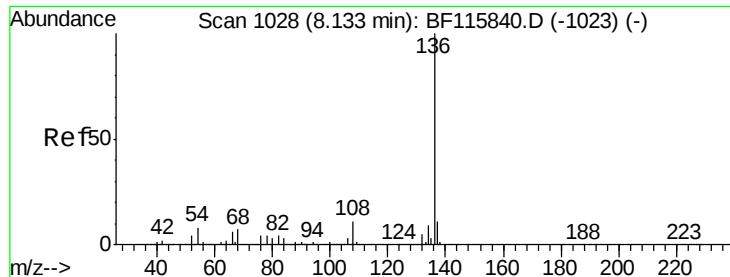
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

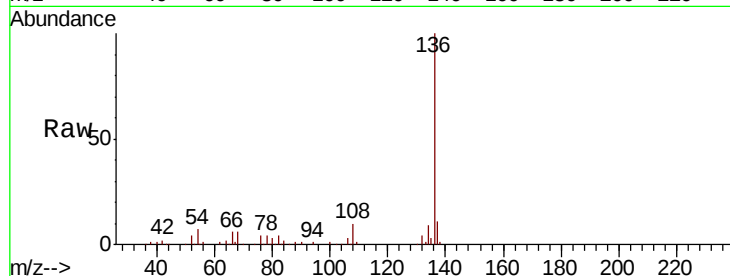




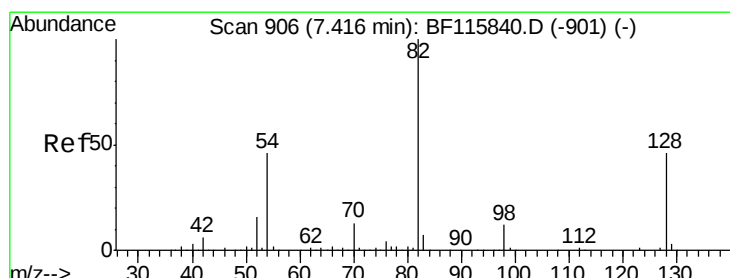
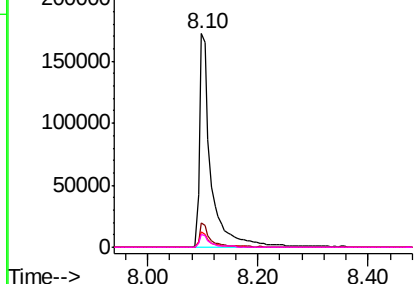
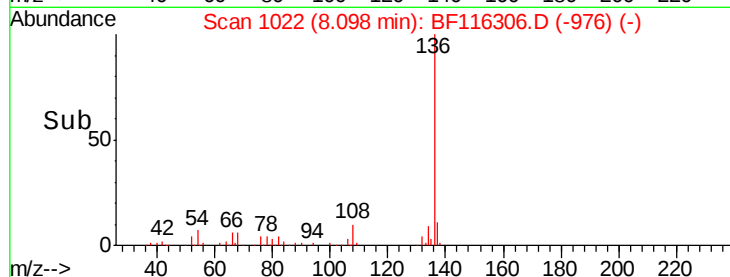
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF116306.D
Acq: 16 Aug 2019 3:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	250198
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.0 13.4
54	7.4	5.8 8.6
68	6.0	5.2 7.8

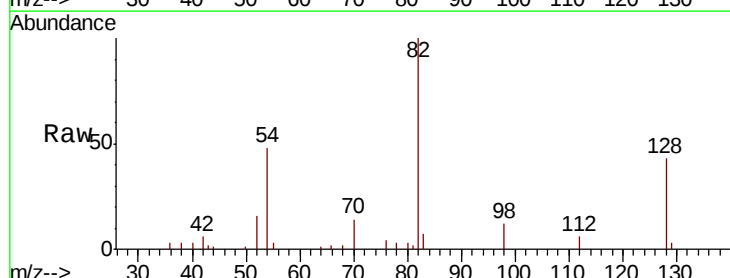


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

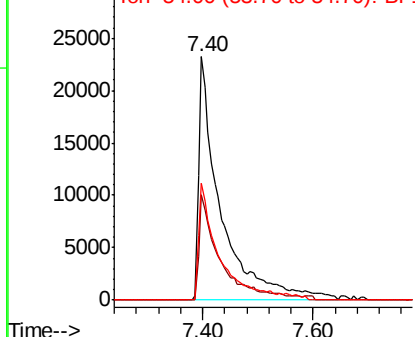
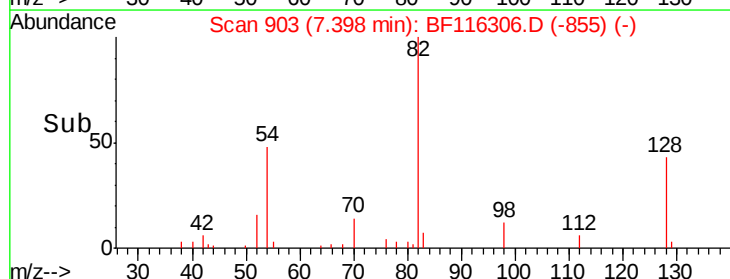


#23
Nitrobenzene-d5
Concen: 14.761 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116306.D
Acq: 16 Aug 2019 3:54

Tgt Ion: 82	Resp:	63979
Ion	Ratio	Lower Upper
82	100	
128	43.4	36.5 54.7
54	48.2	36.0 54.0



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: 7.719 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116306.D

Acq: 16 Aug 2019 3:54

Instrument :

BNA_F

ClientSampleId :

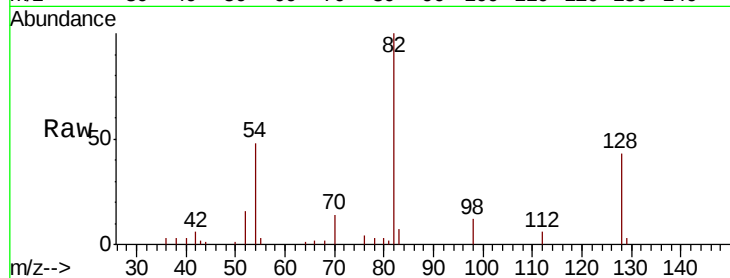
Tot Ion: 82 Resp: 63979

Ion Ratio Lower Upper

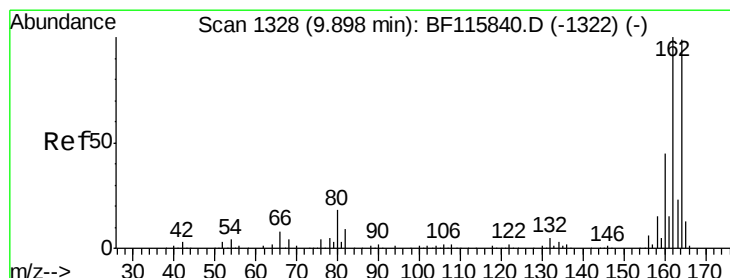
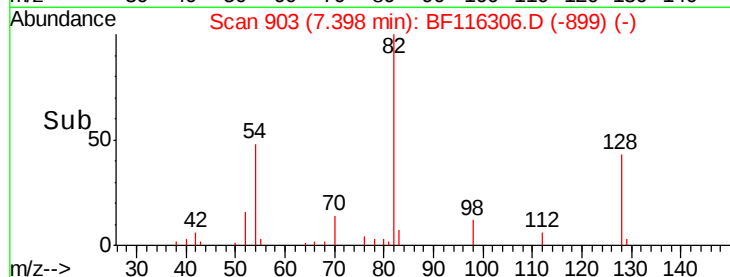
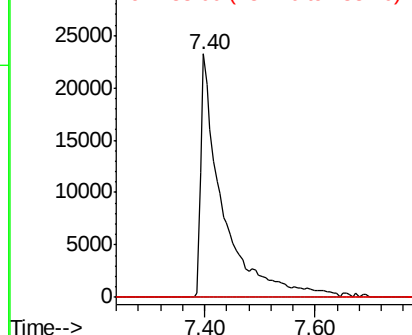
82 100

95 0.0 5.4 8.0#

138 0.0 14.5 21.7#



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# 1320

Delta R.T. -0.04 min

Lab File: BF116306.D

Acq: 16 Aug 2019 3:54

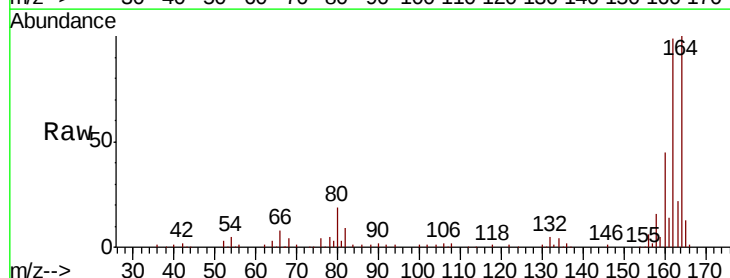
Tgt Ion: 164 Resp: 135511

Ion Ratio Lower Upper

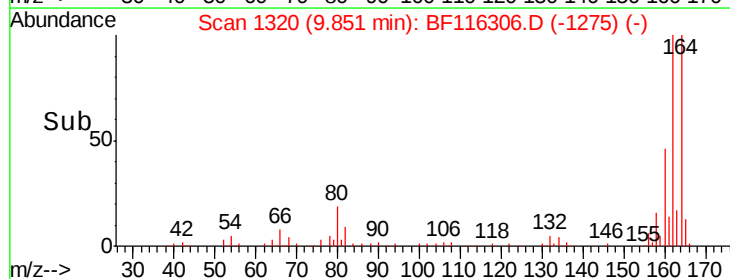
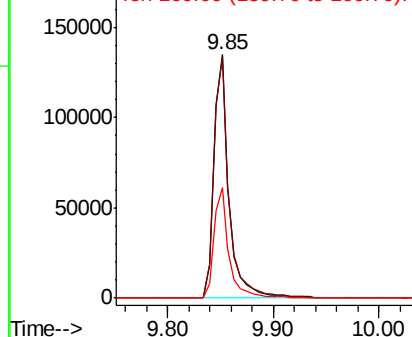
164 100

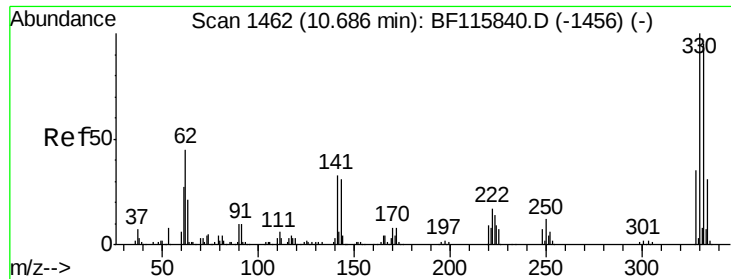
162 99.2 82.6 124.0

160 45.5 37.6 56.4



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

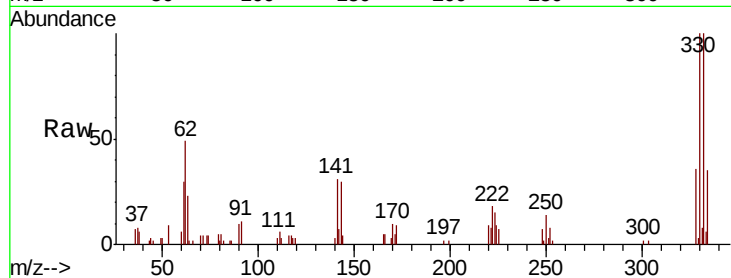




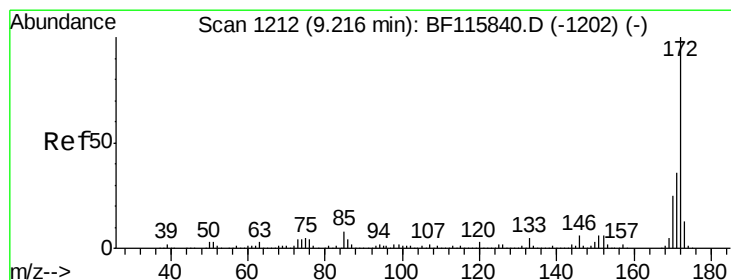
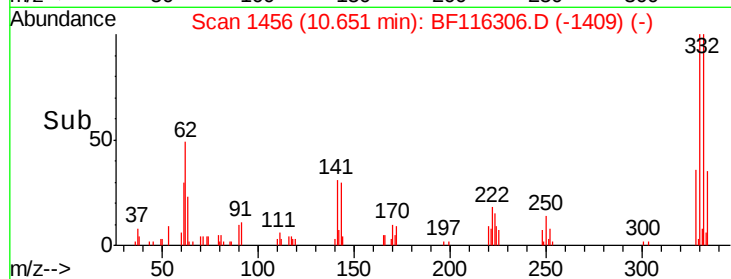
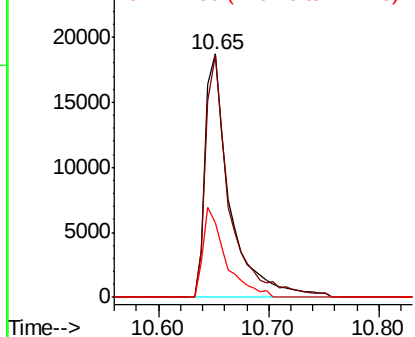
#42
 2,4,6-Tribromophenol
 Concen: 21.593 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.02 min
 Lab File: BF116306.D
 Acq: 16 Aug 2019 3:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 28369
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.8 115.2
 141 33.7 26.3 39.5

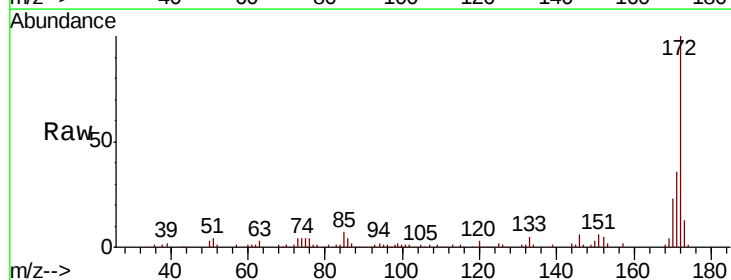


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

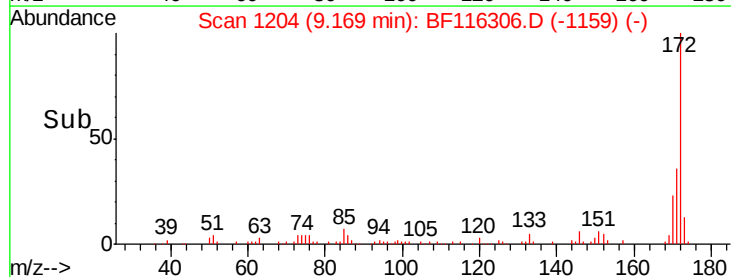
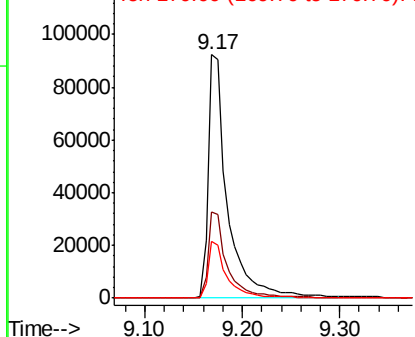


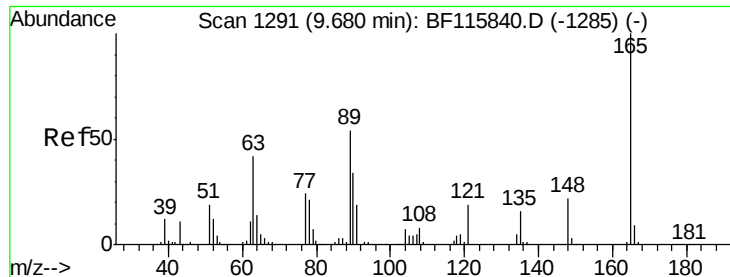
#45
 2-Fluorobiphenyl
 Concen: 17.615 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF116306.D
 Acq: 16 Aug 2019 3:54

Tgt Ion:172 Resp: 127439
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 23.3 20.1 30.1



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

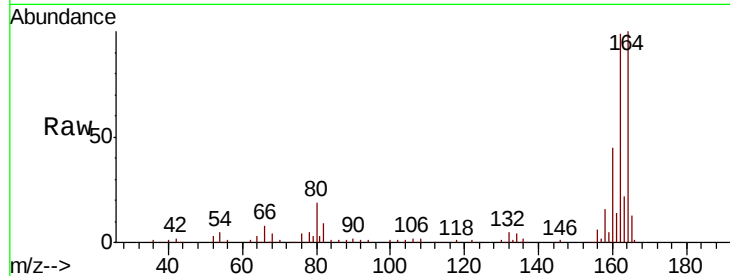




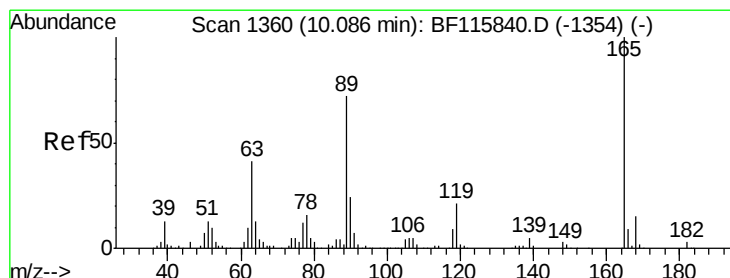
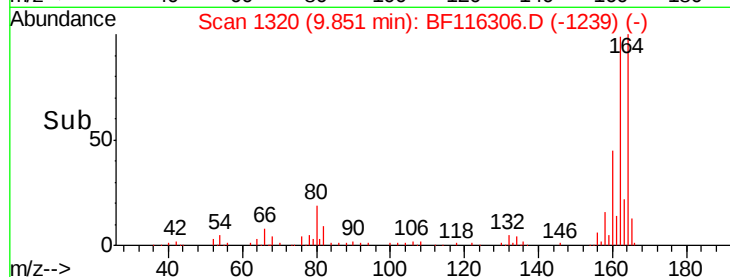
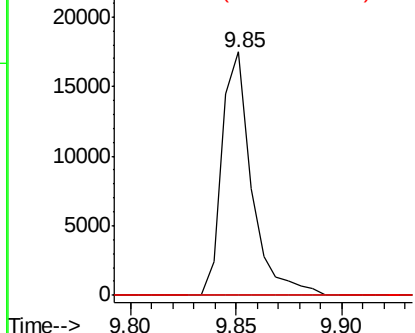
#51
 2,6-Dinitrotoluene
 Concen: 8.495 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.18 min
 Lab File: BF116306.D
 Acq: 16 Aug 2019 3:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.2	57.2#
89	0.0	42.9	64.3#



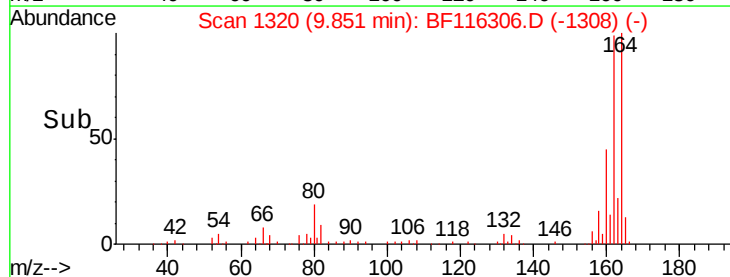
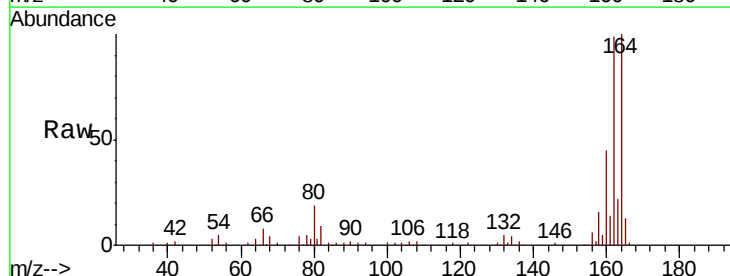
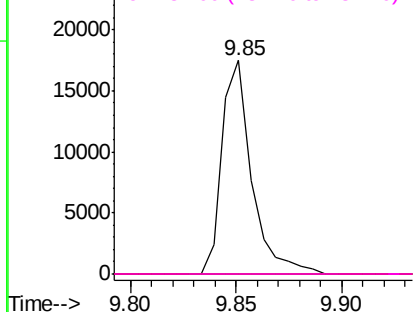
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

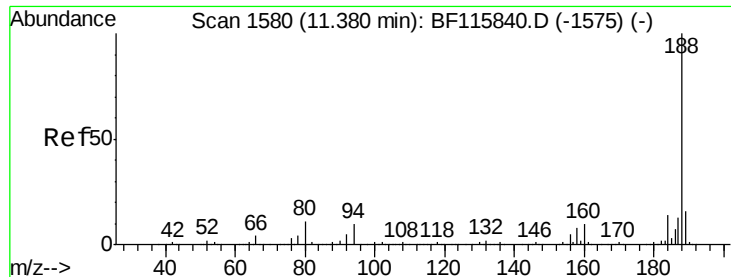


#57
 2,4-Dinitrotoluene
 Concen: 6.380 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.23 min
 Lab File: BF116306.D
 Acq: 16 Aug 2019 3:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.6	59.4#
89	0.0	62.2	93.2#
182	0.0	2.1	3.1#

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

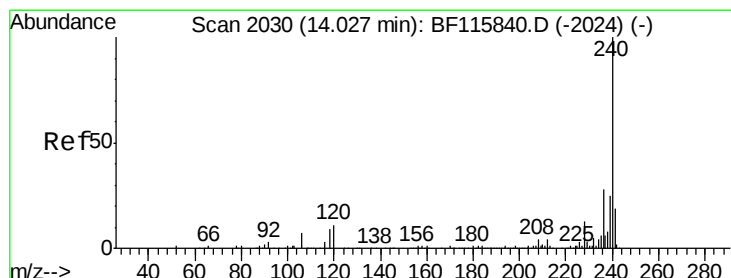
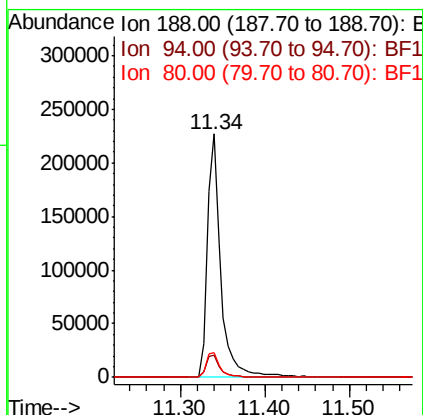
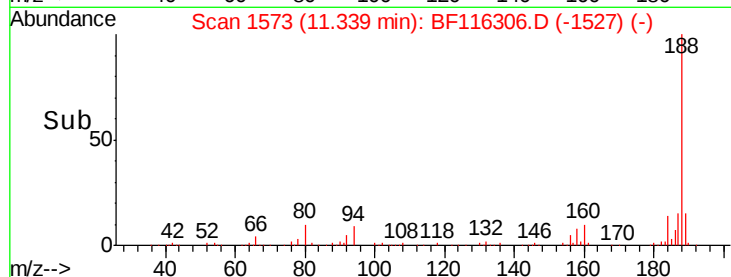
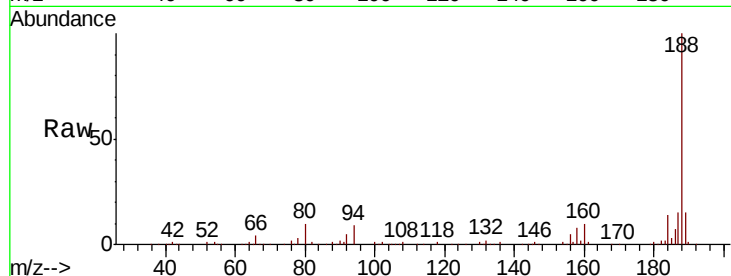




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.03 min
Lab File: BF116306.D
Acq: 16 Aug 2019 3:54

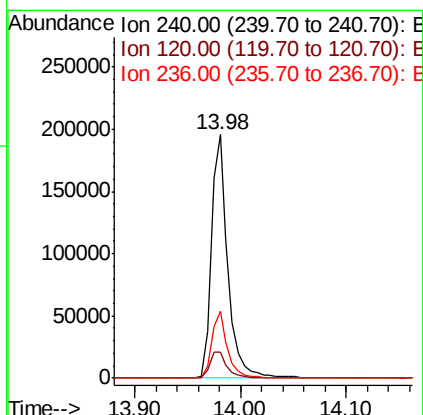
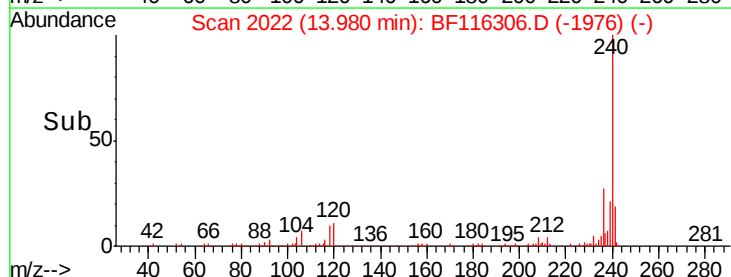
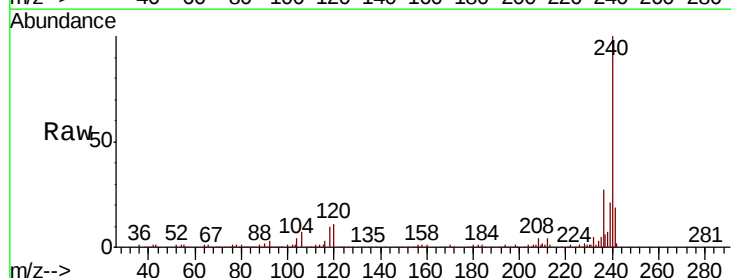
Instrument :
BNA_F
ClientSampleId :

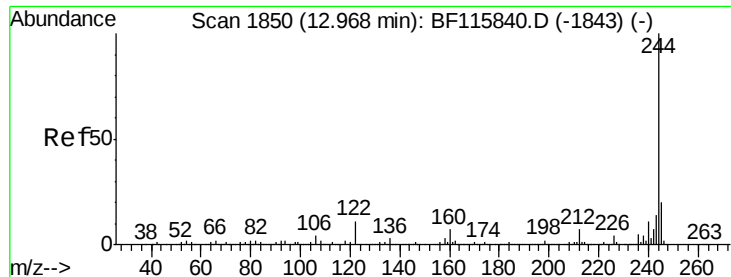
Tot Ion:188 Resp: 251212
Ion Ratio Lower Upper
188 100
94 9.2 8.1 12.1
80 10.0 8.7 13.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.03 min
Lab File: BF116306.D
Acq: 16 Aug 2019 3:54

Tgt Ion:240 Resp: 213315
Ion Ratio Lower Upper
240 100
120 10.8 10.7 16.1
236 27.3 22.2 33.2

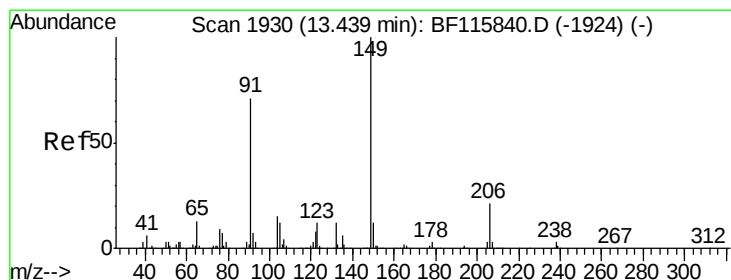
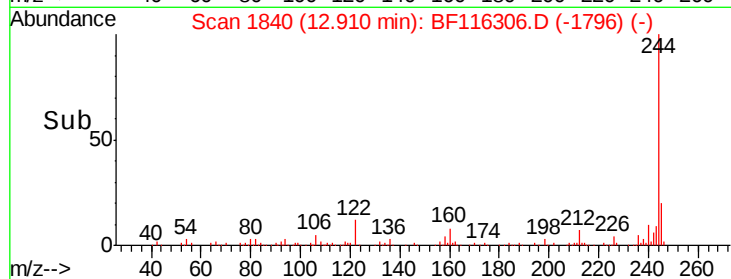
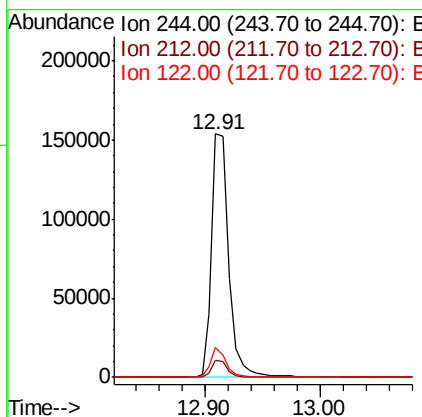
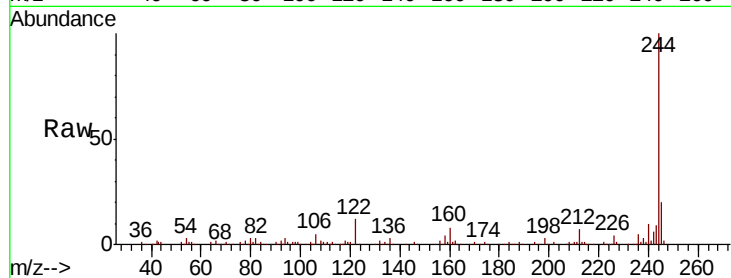




#79
 Terphenyl-d14
 Concen: 15.759 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: BF116306.D
 Acq: 16 Aug 2019 3:54

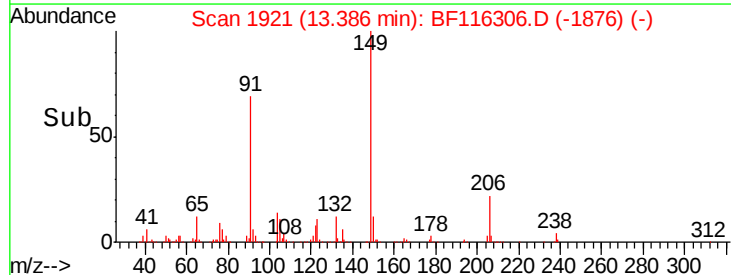
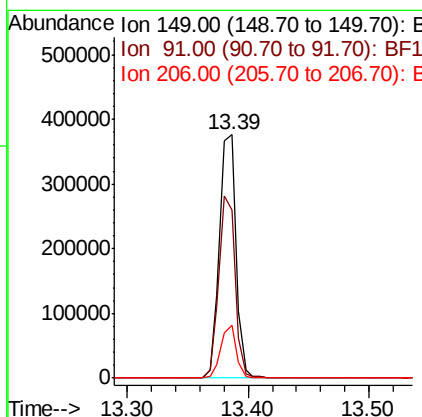
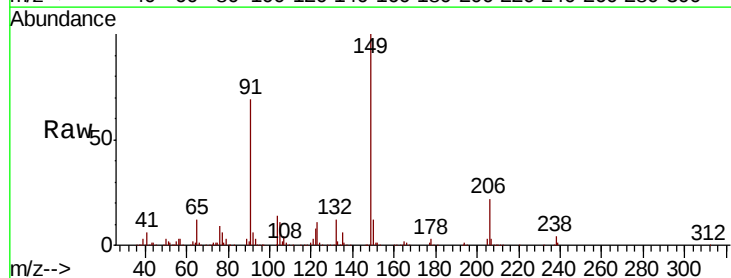
Instrument :
 BNA_F
 ClientSampleId :

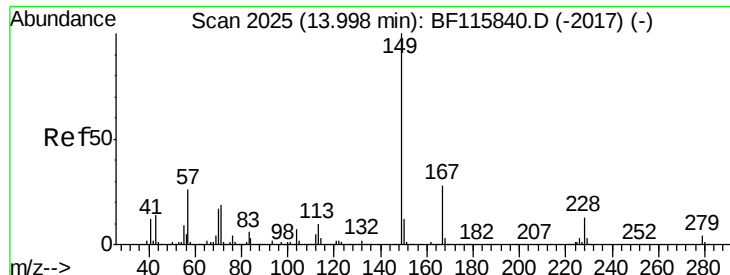
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.4	9.0	13.4



#80
 Butylbenzylphthalate
 Concen: 52.530 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. -0.04 min
 Lab File: BF116306.D
 Acq: 16 Aug 2019 3:54

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.9	56.3	84.5
206	21.6	18.0	27.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 23.078 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.04 min

Lab File: BF116306.D

Acq: 16 Aug 2019 3:54

Instrument :

BNA_F

ClientSampleId :

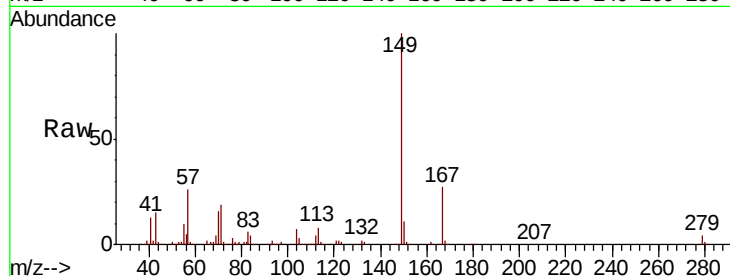
Tot Ion:149 Resp: 203991

Ion Ratio Lower Upper

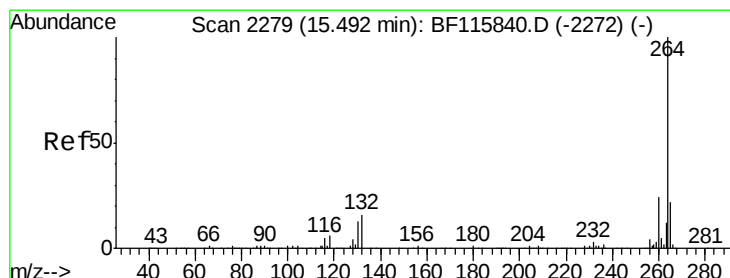
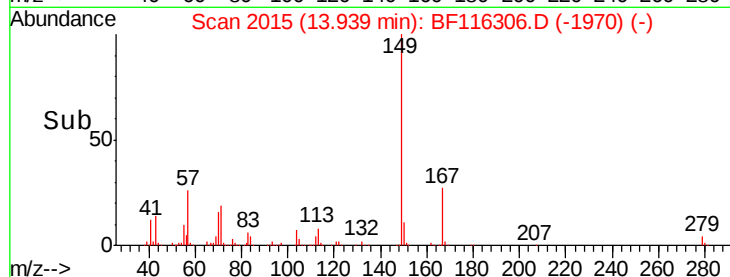
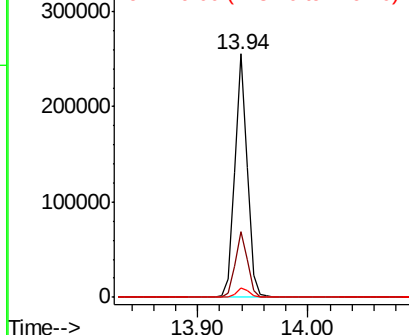
149 100

167 27.1 21.6 32.4

279 4.0 3.0 4.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.04 min

Lab File: BF116306.D

Acq: 16 Aug 2019 3:54

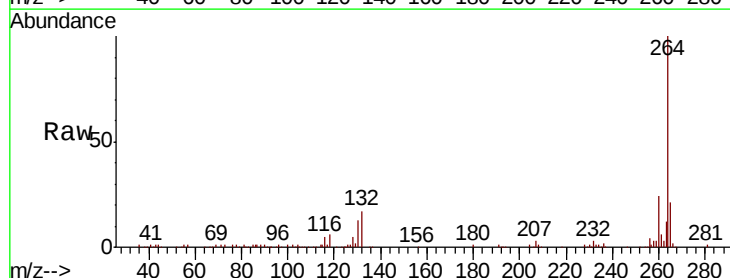
Tgt Ion:264 Resp: 196056

Ion Ratio Lower Upper

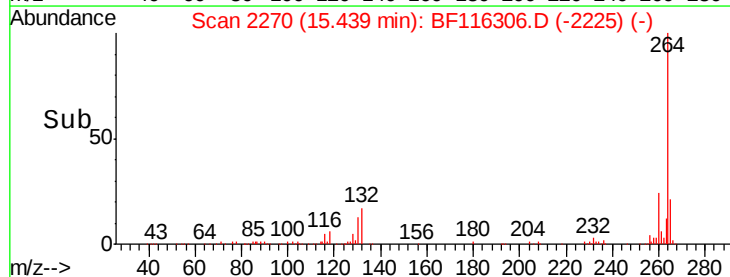
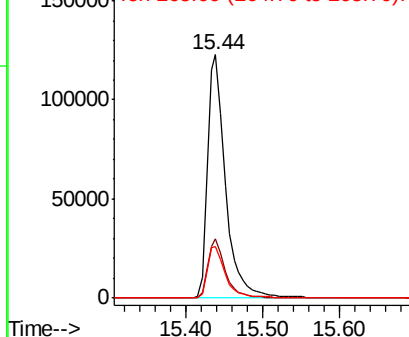
264 100

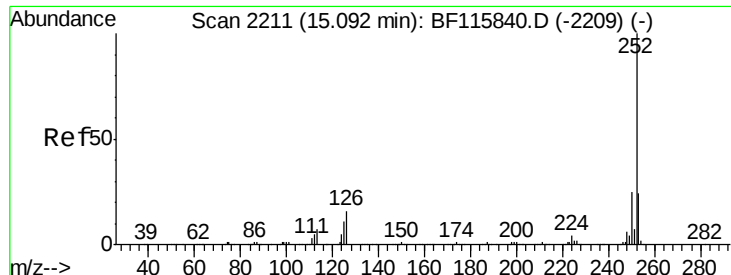
260 24.1 19.7 29.5

265 21.4 17.4 26.0



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

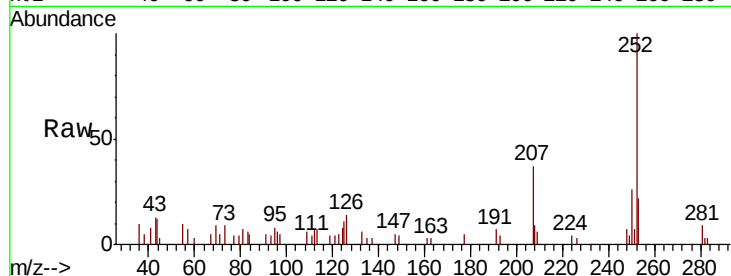




#89
 Benzo(k)fluoranthene
 Concen: 2.050 ng
 RT: 15.03 min Scan# 2200
 Delta R.T. -0.05 min
 Lab File: BF116306.D
 Acq: 16 Aug 2019 3:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	11.0	7.7	11.5



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

