

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070819\
 Data File : BF115405.D
 Acq On : 8 Jul 2019 15:01
 Operator : HP/JU
 Sample : PB121130BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 08 16:55:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 14:57:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	215834	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	857344	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	429805	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	840561	20.00	ng	0.00
76) Chrysene-d12	14.06	240	604848	20.00	ng	-0.01
87) Perylene-d12	15.56	264	543523	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1543437	110.49	ng	0.02
7) Phenol-d6	6.53	99	1999757	112.56	ng	0.00
23) Nitrobenzene-d5	7.46	82	1283472	88.45	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	573301	120.64	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	2209034	90.19	ng	0.00
79) Terphenyl-d14	13.00	244	2527486	85.56	ng	0.00

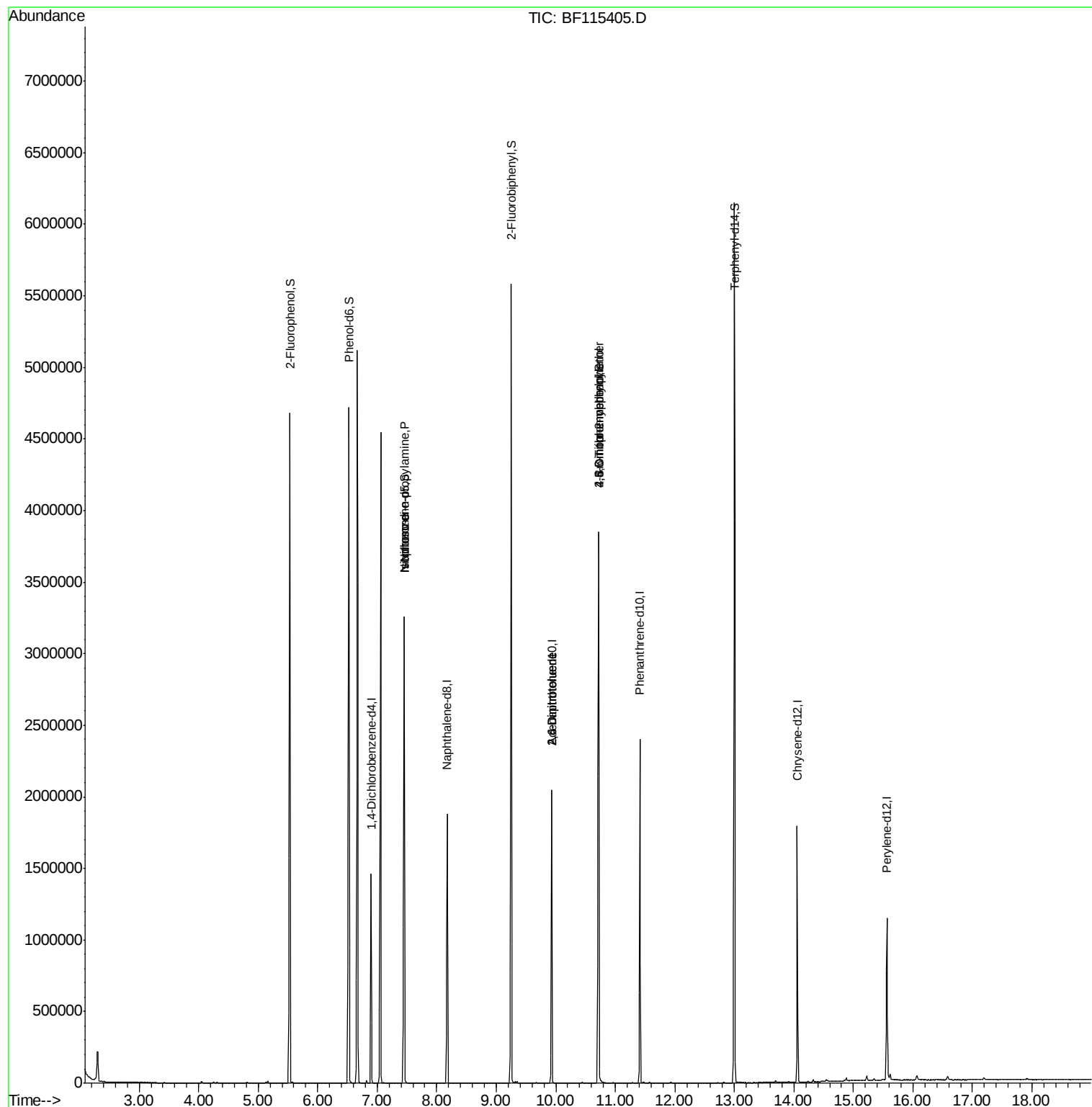
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	2972	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.46	70	174370	14.507	ng	# 77
25) Isophorone	7.46	82	1272671	40.463	ng	# 64
51) 2,6-Dinitrotoluene	9.93	165	55506	7.933	ng	# 23
57) 2,4-Dinitrotoluene	9.93	165	55506	6.243	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.72	198	1088	8.044	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	34583	3.667	ng	# 1

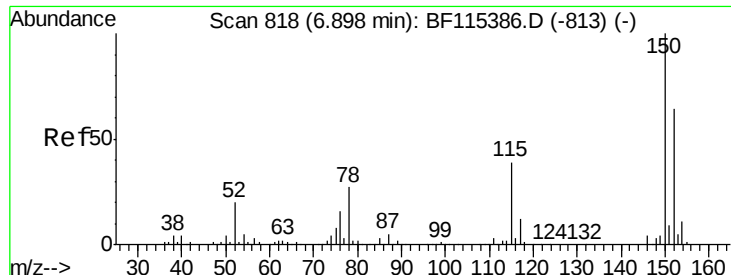
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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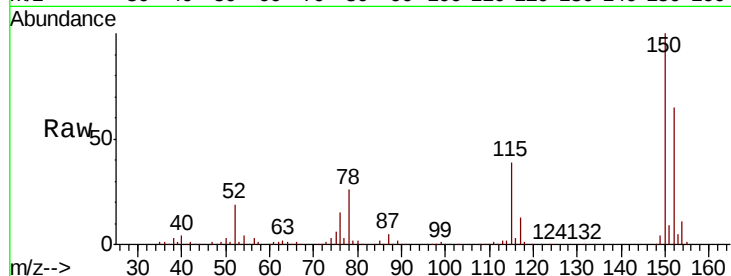


#1

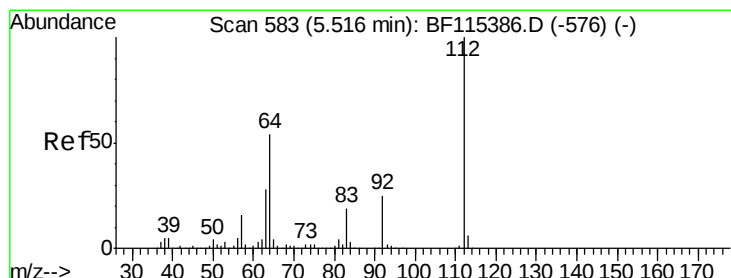
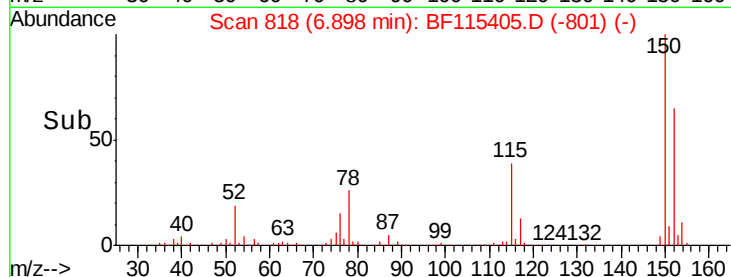
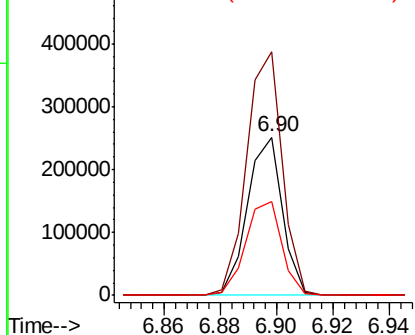
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF115405.D
Acq: 8 Jul 2019 15:01

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 215834
Ion Ratio Lower Upper
152 100
150 153.8 124.7 187.1
115 59.7 48.1 72.1



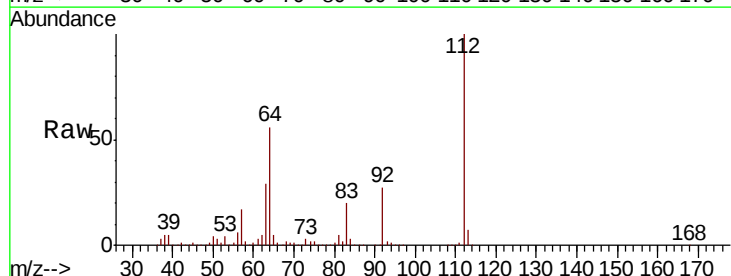
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



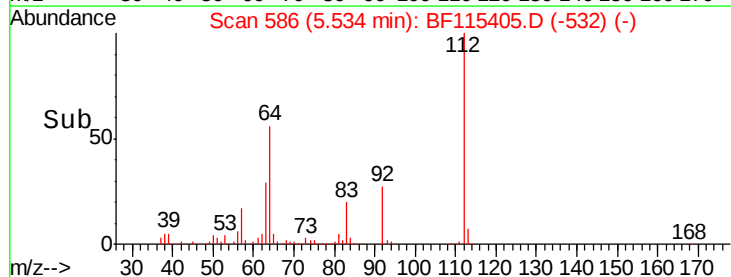
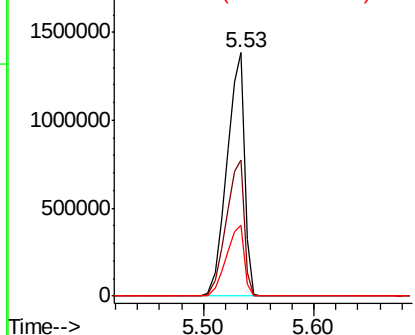
#5

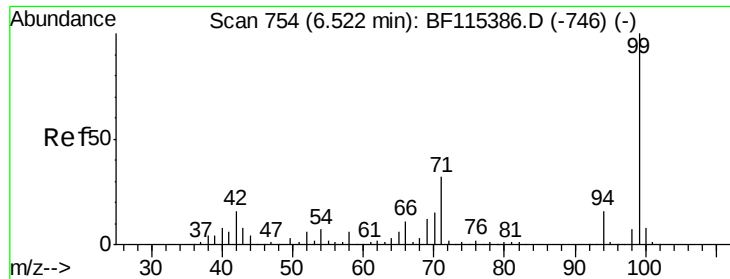
2-Fluorophenol
Concen: 110.486 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF115405.D
Acq: 8 Jul 2019 15:01

Tgt Ion:112 Resp: 1543437
Ion Ratio Lower Upper
112 100
64 56.1 43.0 64.6
63 29.2 22.2 33.2



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: 112.558 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF115405.D

Acq: 8 Jul 2019 15:01

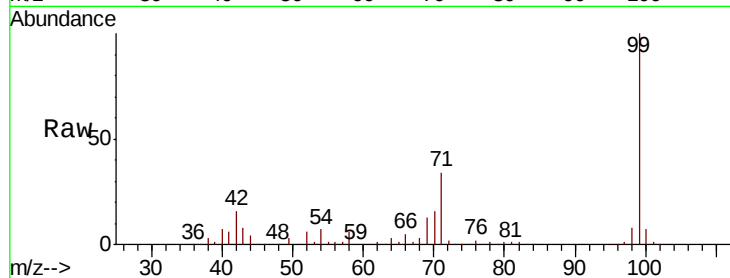
Instrument :

BNA_E

ClientSampleId :

Tot Ion: 99 Resp: 1999757

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.1	19.7
71	34.4	25.9	38.9

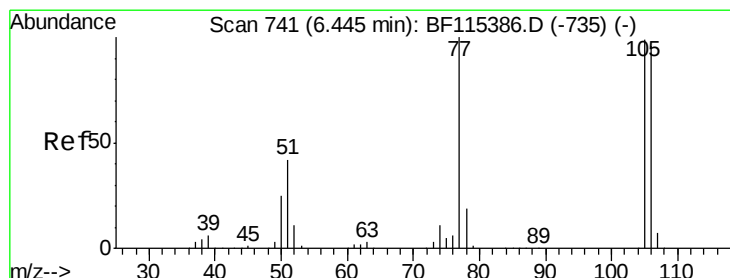
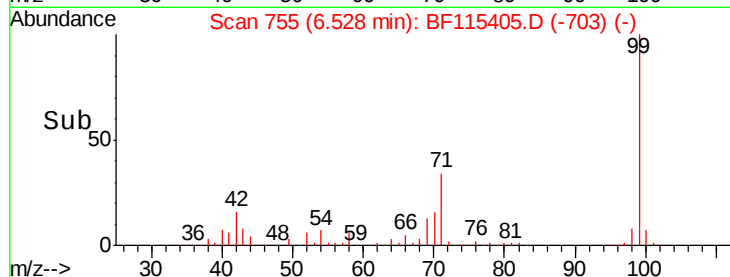
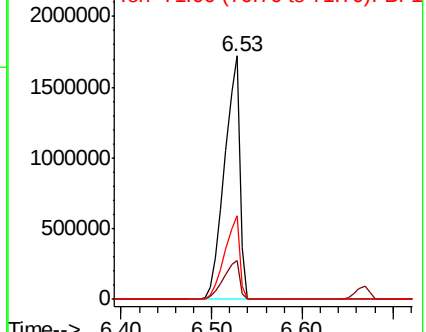


Abundance

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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.53 min Scan# 755

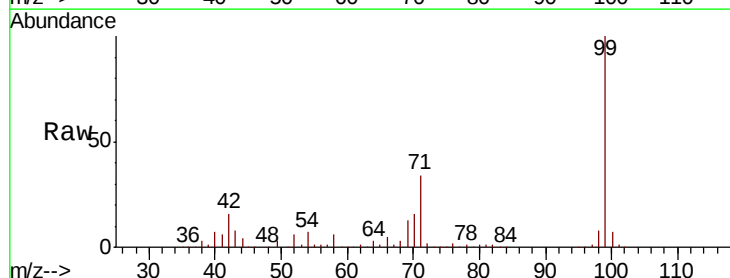
Delta R.T. 0.08 min

Lab File: BF115405.D

Acq: 8 Jul 2019 15:01

Tgt Ion: 77 Resp: 2972

Ion	Ratio	Lower	Upper
77	100		
105	0.0	79.0	119.0#
106	0.0	75.7	115.7#

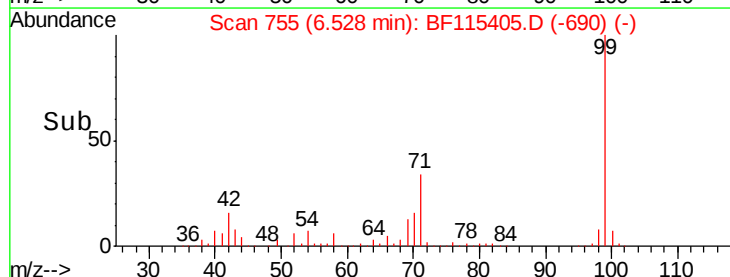
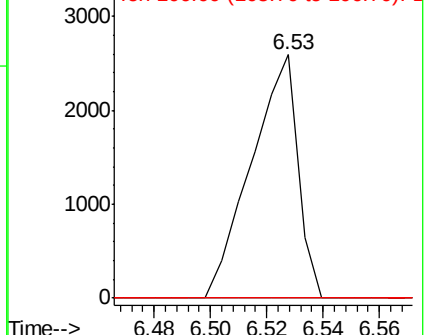


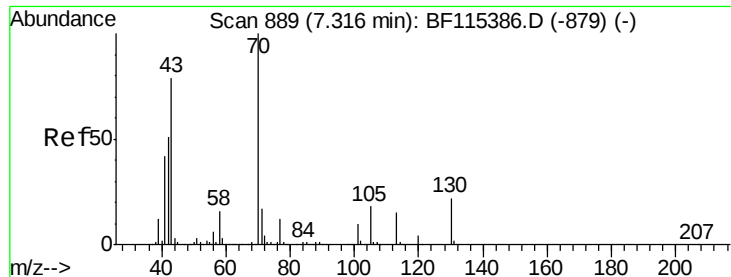
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 14.507 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.14 min

Lab File: BF115405.D

Acq: 8 Jul 2019 15:01

Instrument :

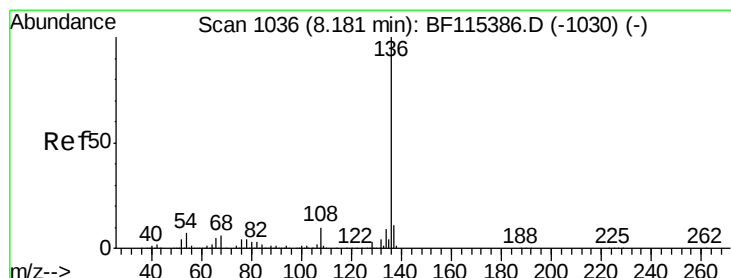
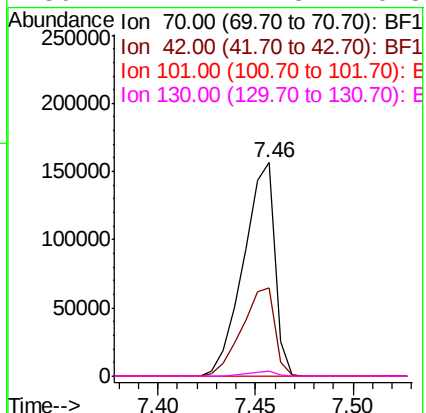
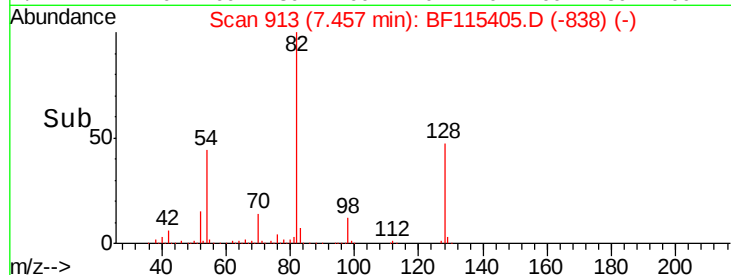
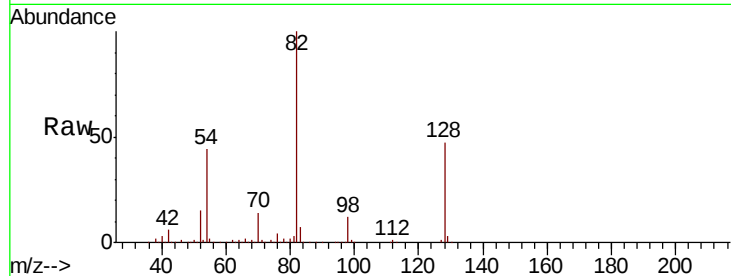
BNA_E

ClientSampled :

Tot Ion: 70 Resp: 174370

Ion Ratio Lower Upper

70	100		
42	41.5	41.1	61.7
101	0.0	8.0	12.0#
130	2.4	17.8	26.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

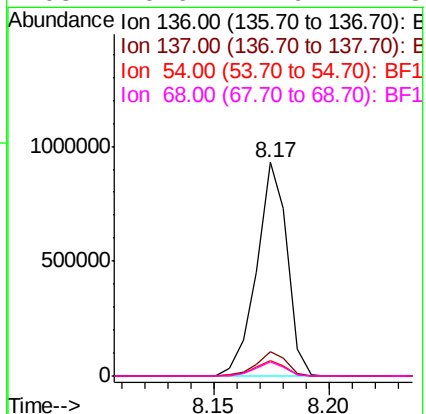
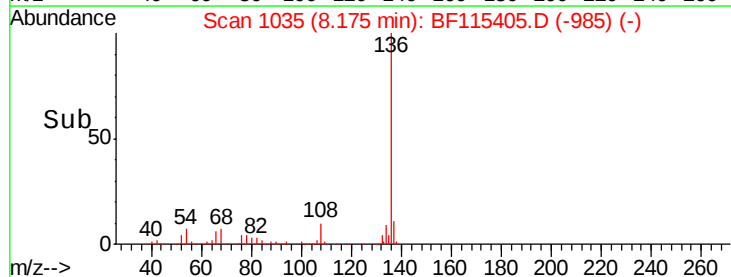
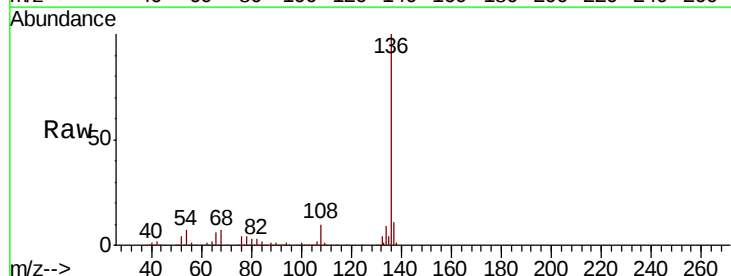
Lab File: BF115405.D

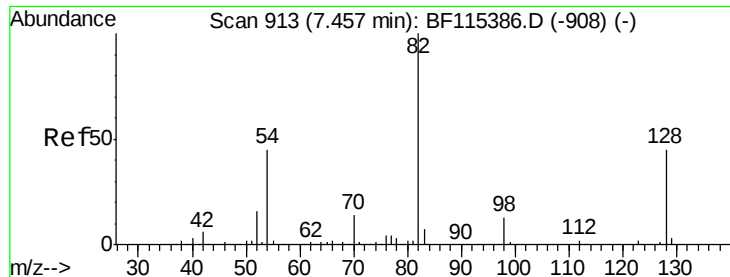
Acq: 8 Jul 2019 15:01

Tgt Ion: 136 Resp: 857344

Ion Ratio Lower Upper

136	100		
137	11.3	8.9	13.3
54	7.4	5.6	8.4
68	6.6	4.9	7.3

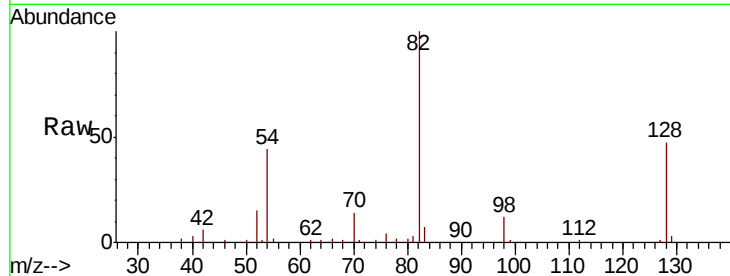




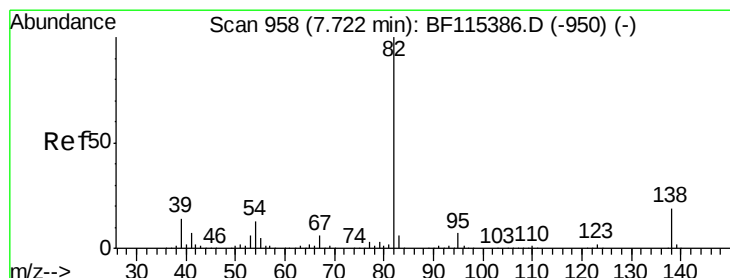
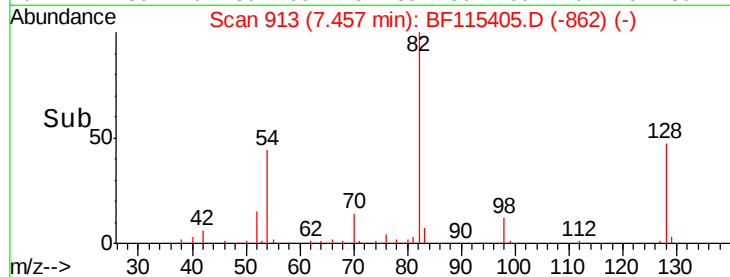
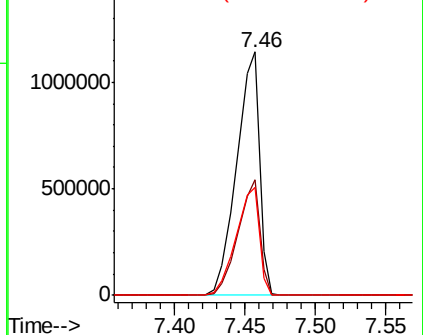
#23
 Nitrobenzene-d5
 Concen: 88.450 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: BF115405.D
 Acq: 8 Jul 2019 15:01

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 82 Resp: 1283472
 Ion Ratio Lower Upper
 82 100
 128 47.4 35.7 53.5
 54 44.1 36.3 54.5

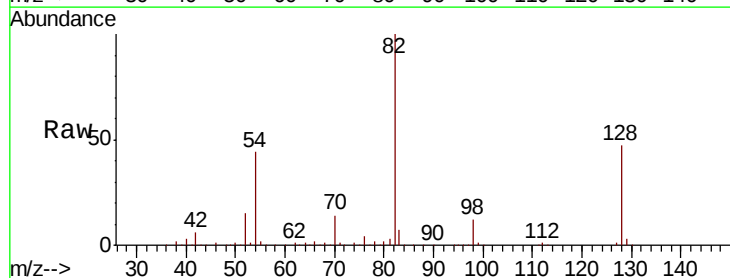


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

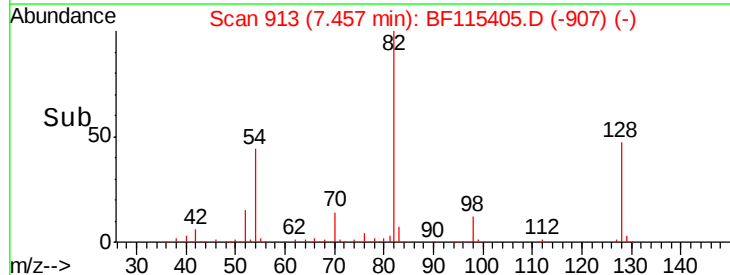
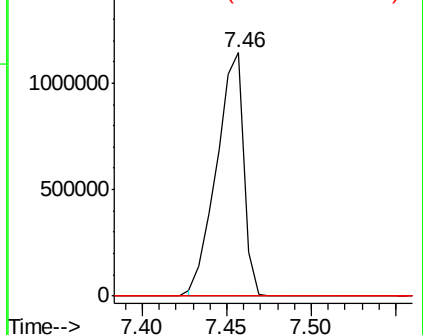


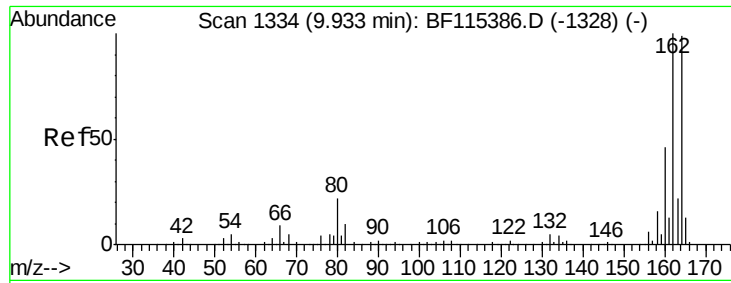
#25
 Isophorone
 Concen: 40.463 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.26 min
 Lab File: BF115405.D
 Acq: 8 Jul 2019 15:01

Tgt Ion: 82 Resp: 1272671
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 14.9 22.3#



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: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF115405.D

Acq: 8 Jul 2019 15:01

Instrument :

BNA_E

ClientSampleId :

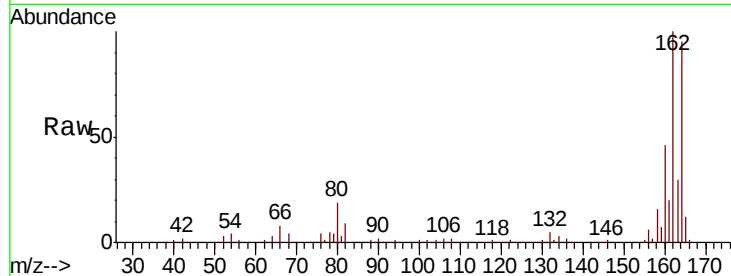
Tot Ion:164 Resp: 429805

Ion Ratio Lower Upper

164 100

162 104.9 80.6 121.0

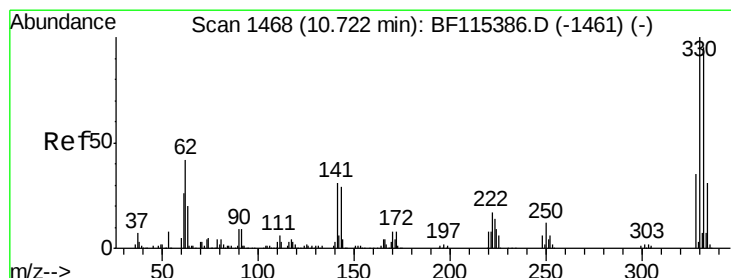
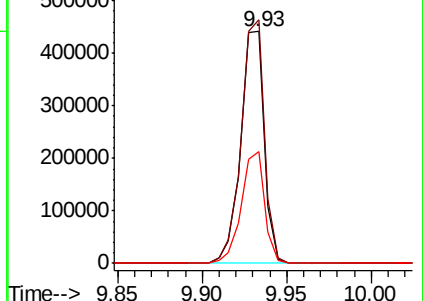
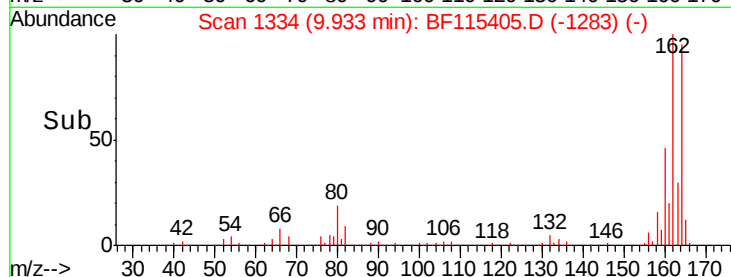
160 48.3 37.0 55.6



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: 120.639 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF115405.D

Acq: 8 Jul 2019 15:01

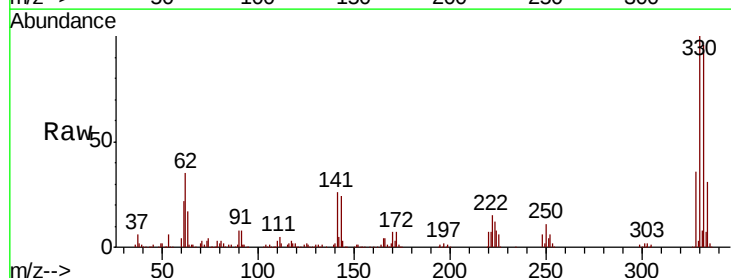
Tgt Ion:330 Resp: 573301

Ion Ratio Lower Upper

330 100

332 95.9 76.3 114.5

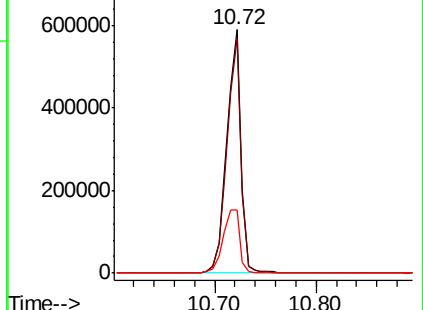
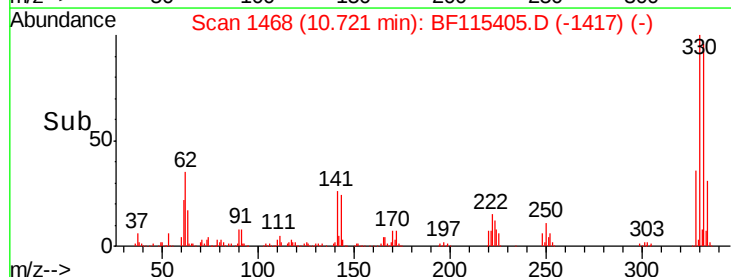
141 30.7 27.0 40.4

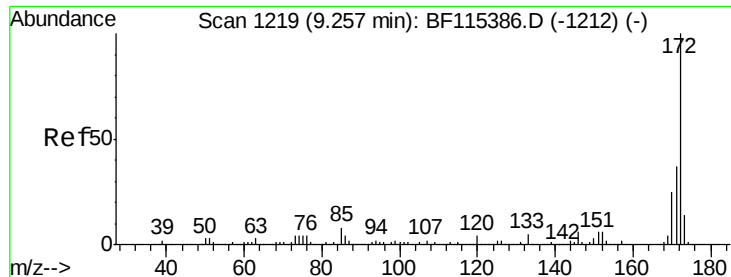


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

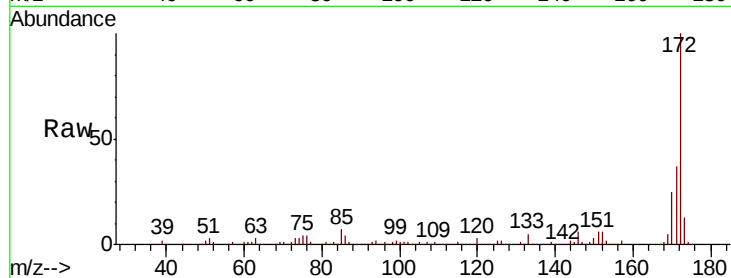




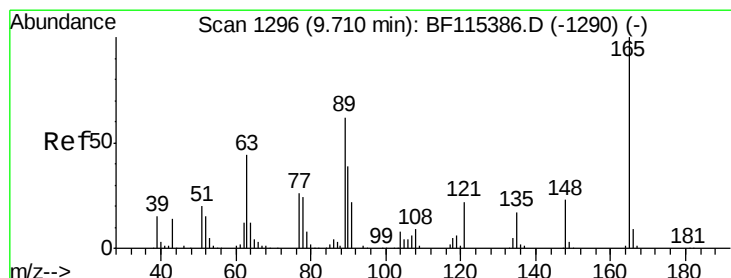
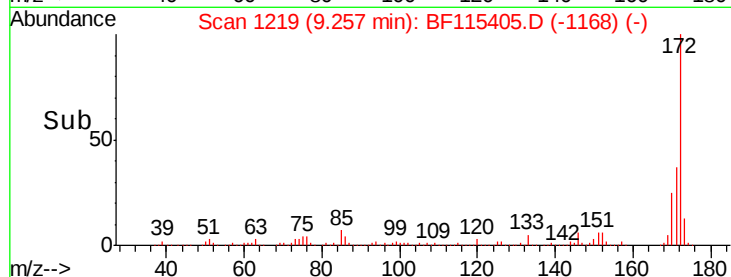
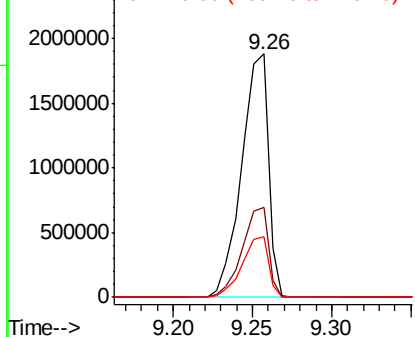
#45
2-Fluorobiphenyl
Concen: 90.187 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF115405.D
Acq: 8 Jul 2019 15:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 2209034
Ion Ratio Lower Upper
172 100
171 36.8 29.8 44.8
170 24.9 20.2 30.4

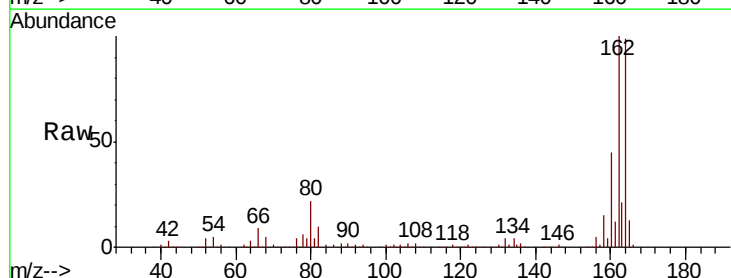


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

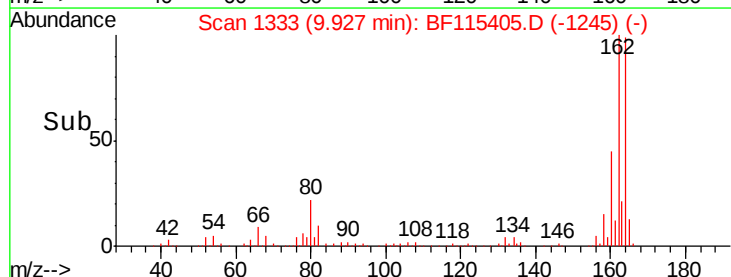
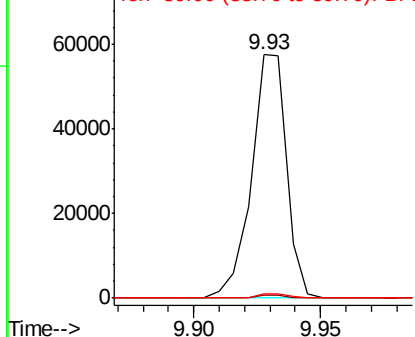


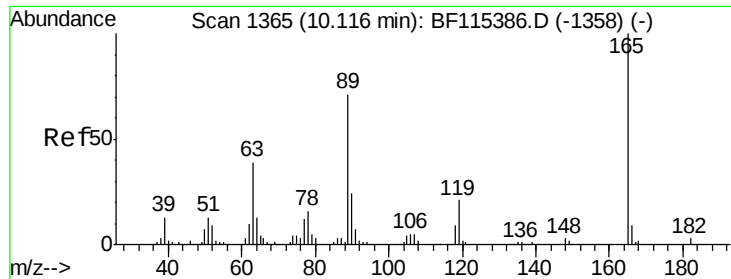
#51
2,6-Dinitrotoluene
Concen: 7.933 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.22 min
Lab File: BF115405.D
Acq: 8 Jul 2019 15:01

Tgt Ion:165 Resp: 55506
Ion Ratio Lower Upper
165 100
63 1.2 45.8 68.6#
89 1.5 49.9 74.9#



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

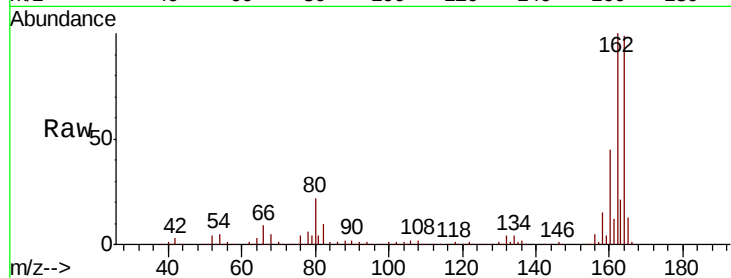




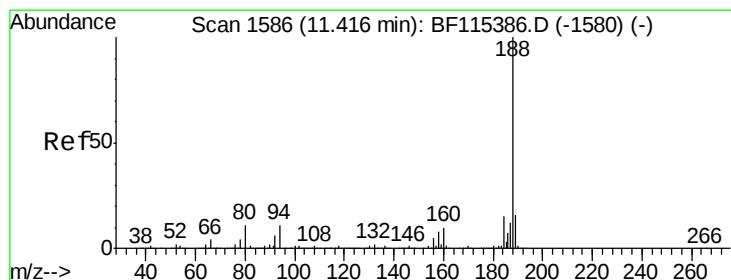
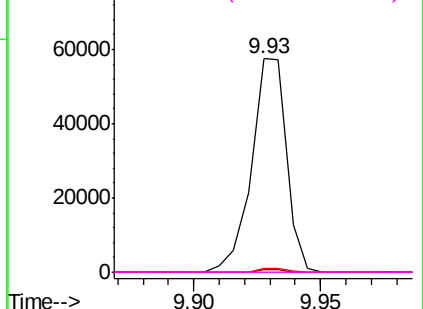
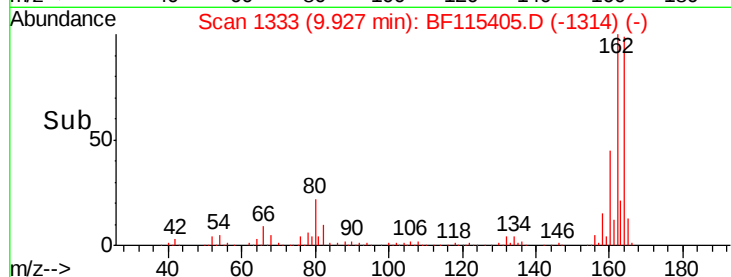
#57
 2,4-Dinitrotoluene
 Concen: 6.243 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF115405.D
 Acq: 8 Jul 2019 15:01

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	31.4	47.0#
89	1.5	57.1	85.7#
182	0.0	2.2	3.2#

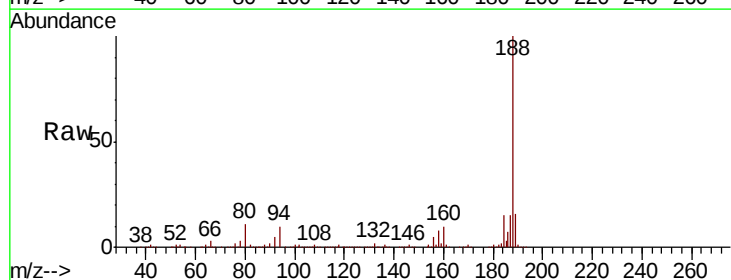


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

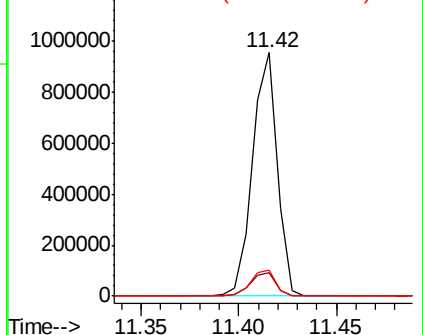
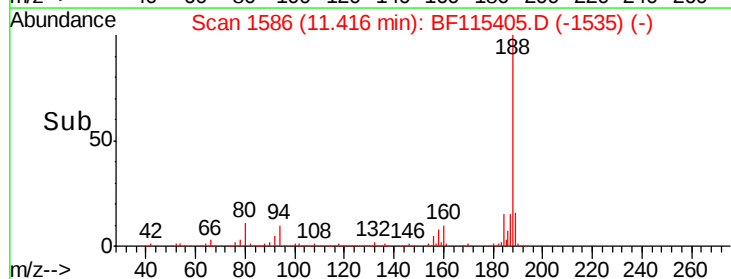


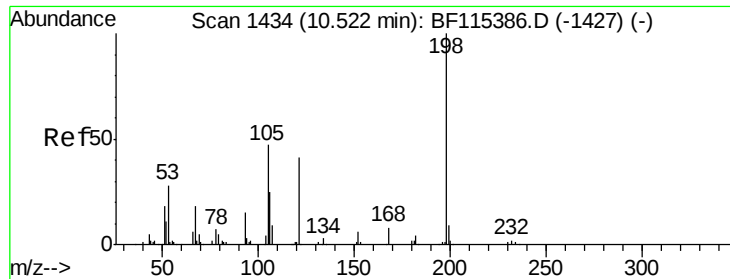
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF115405.D
 Acq: 8 Jul 2019 15:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.6	9.1	13.7



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





#65

4,6-Dinitro-2-methylphenol

Concen: 8.044 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.19 min

Lab File: BF115405.D

Acq: 8 Jul 2019 15:01

Instrument :

BNA_E

ClientSampled :

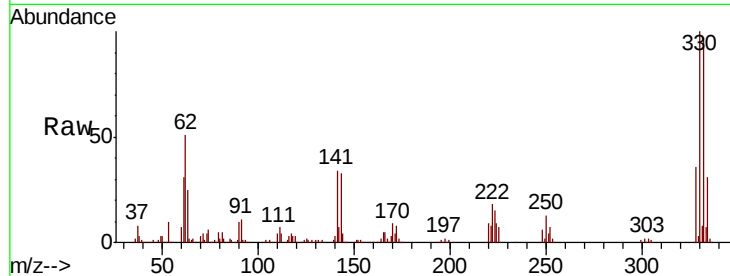
Tot Ion:198 Resp: 1088

Ion Ratio Lower Upper

198 100

51 146.6 25.4 65.4#

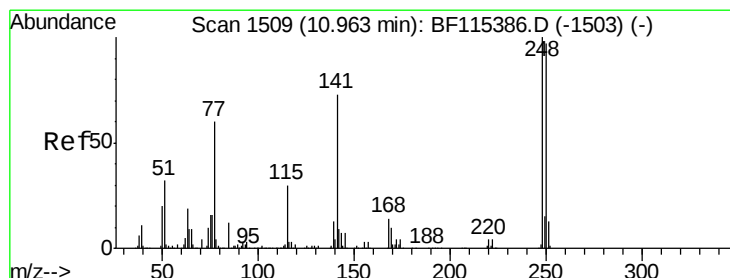
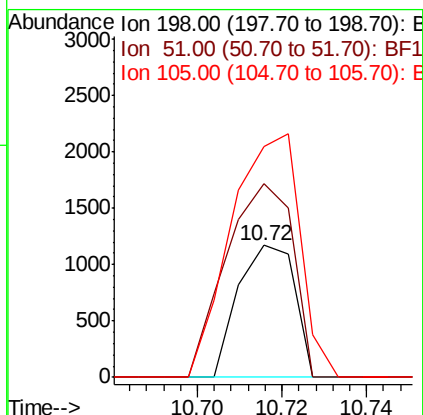
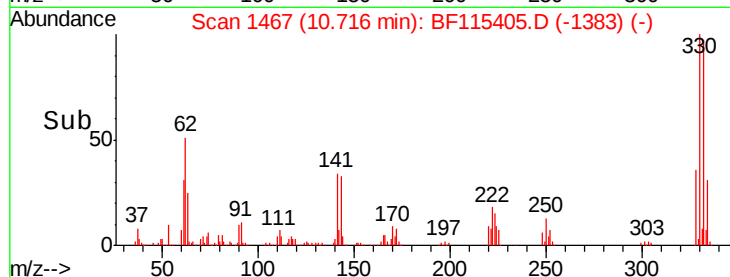
105 174.8 27.9 67.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.667 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.24 min

Lab File: BF115405.D

Acq: 8 Jul 2019 15:01

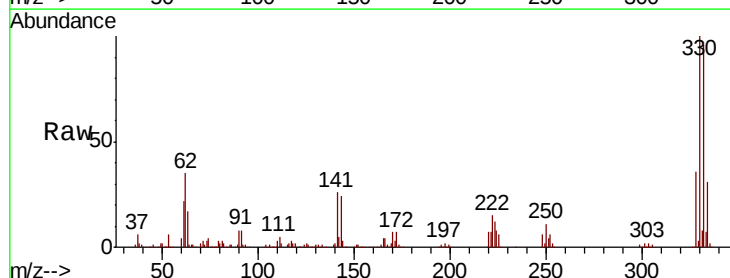
Tgt Ion:248 Resp: 34583

Ion Ratio Lower Upper

248 100

250 194.3 77.3 115.9#

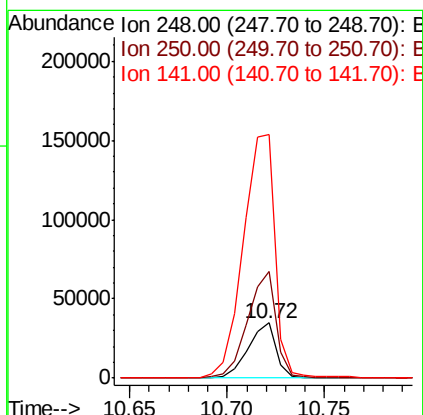
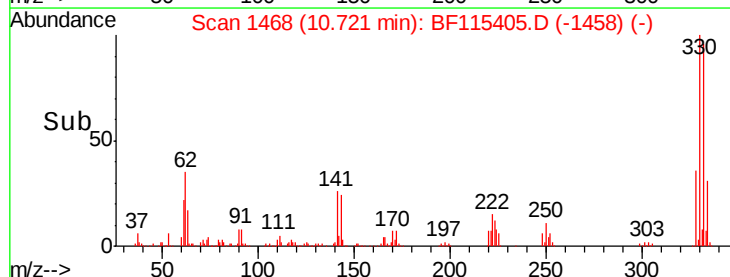
141 440.9 58.5 87.7#

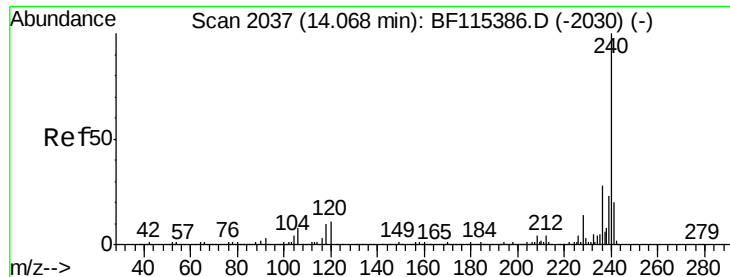


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF115405.D

Acq: 8 Jul 2019 15:01

Instrument :

BNA_E

ClientSampleId :

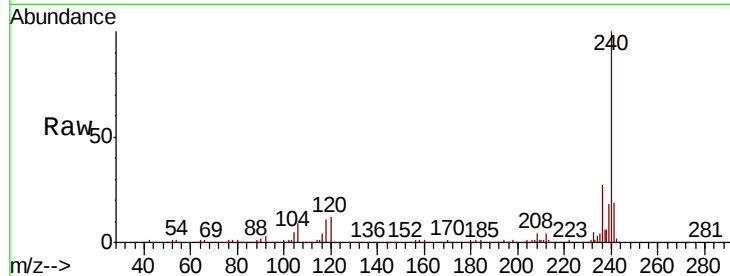
Tot Ion:240 Resp: 604848

Ion Ratio Lower Upper

240 100

120 12.4 9.1 13.7

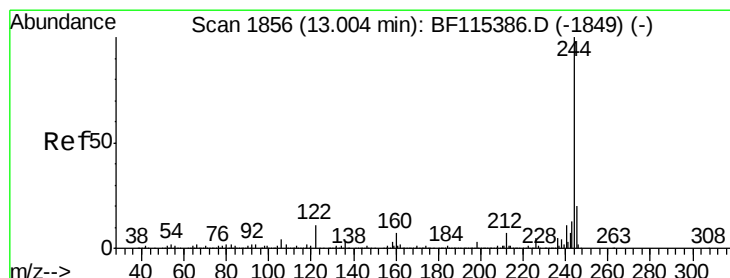
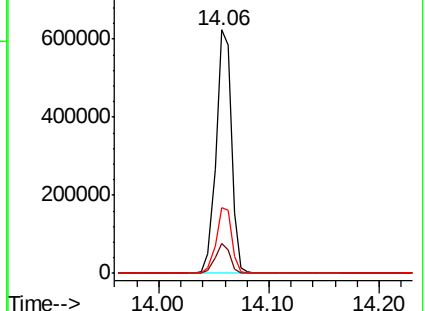
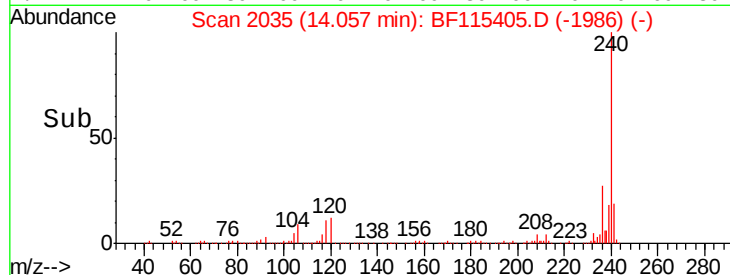
236 27.2 22.5 33.7



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: 85.559 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF115405.D

Acq: 8 Jul 2019 15:01

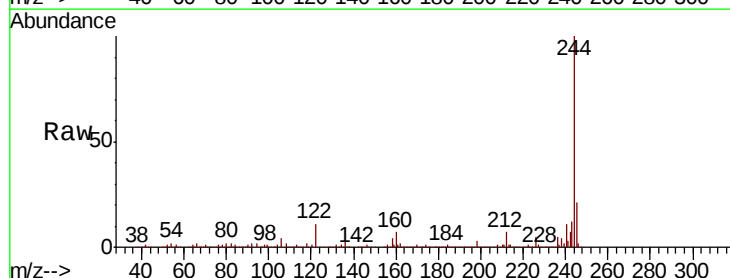
Tgt Ion:244 Resp: 2527486

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

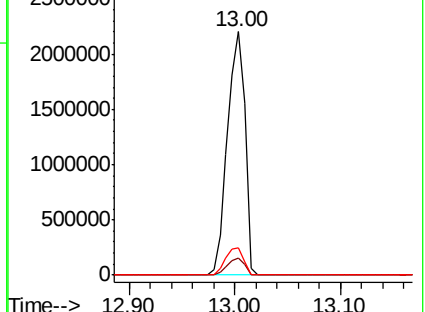
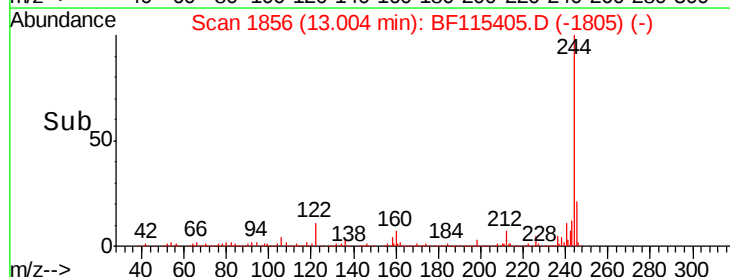
122 11.3 9.1 13.7

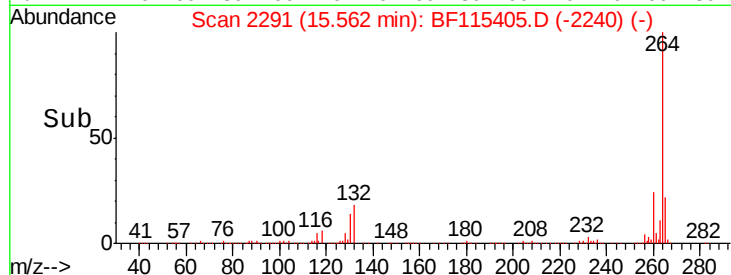
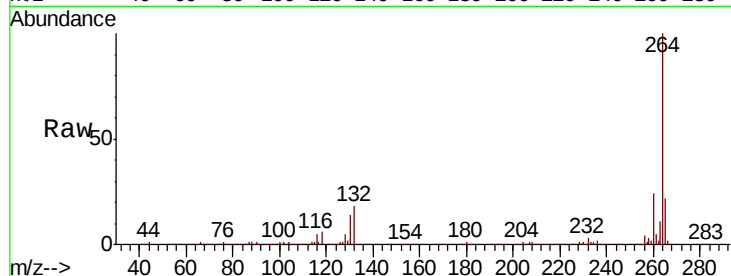
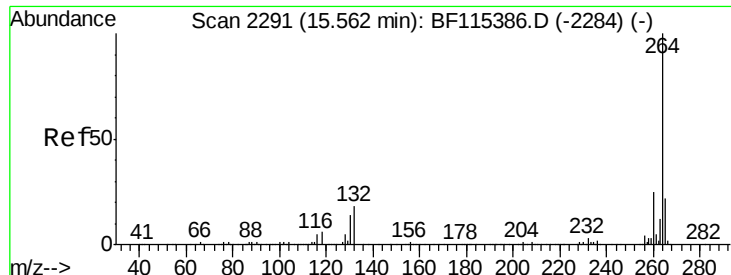


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: BF115405.D
 Acq: 8 Jul 2019 15:01

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:	264	Resp:	543523
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.9	29.9
265	21.7	17.4	26.2

