

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091820\
 Data File : BF121616.D
 Acq On : 18 Sep 2020 16:47
 Operator : JU/CG
 Sample : L4059-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B33-091720-10-19

Quant Time: Sep 18 18:59:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	146400	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	573838	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	298973	20.00	ng	-0.01
64) Phenanthrene-d10	11.34	188	559809	20.00	ng	-0.01
76) Chrysene-d12	13.98	240	406528	20.00	ng	-0.01
86) Perylene-d12	15.43	264	373252	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1022692	103.81	ng	0.02
7) Phenol-d6	6.46	99	1237247	95.73	ng	0.00
23) Nitrobenzene-d5	7.39	82	959143	89.74	ng	-0.01
42) 2,4,6-Tribromophenol	10.65	330	462943	124.59	ng	-0.01
45) 2-Fluorobiphenyl	9.18	172	1701633	86.20	ng	-0.01
79) Terphenyl-d14	12.93	244	1760755	87.75	ng	0.00

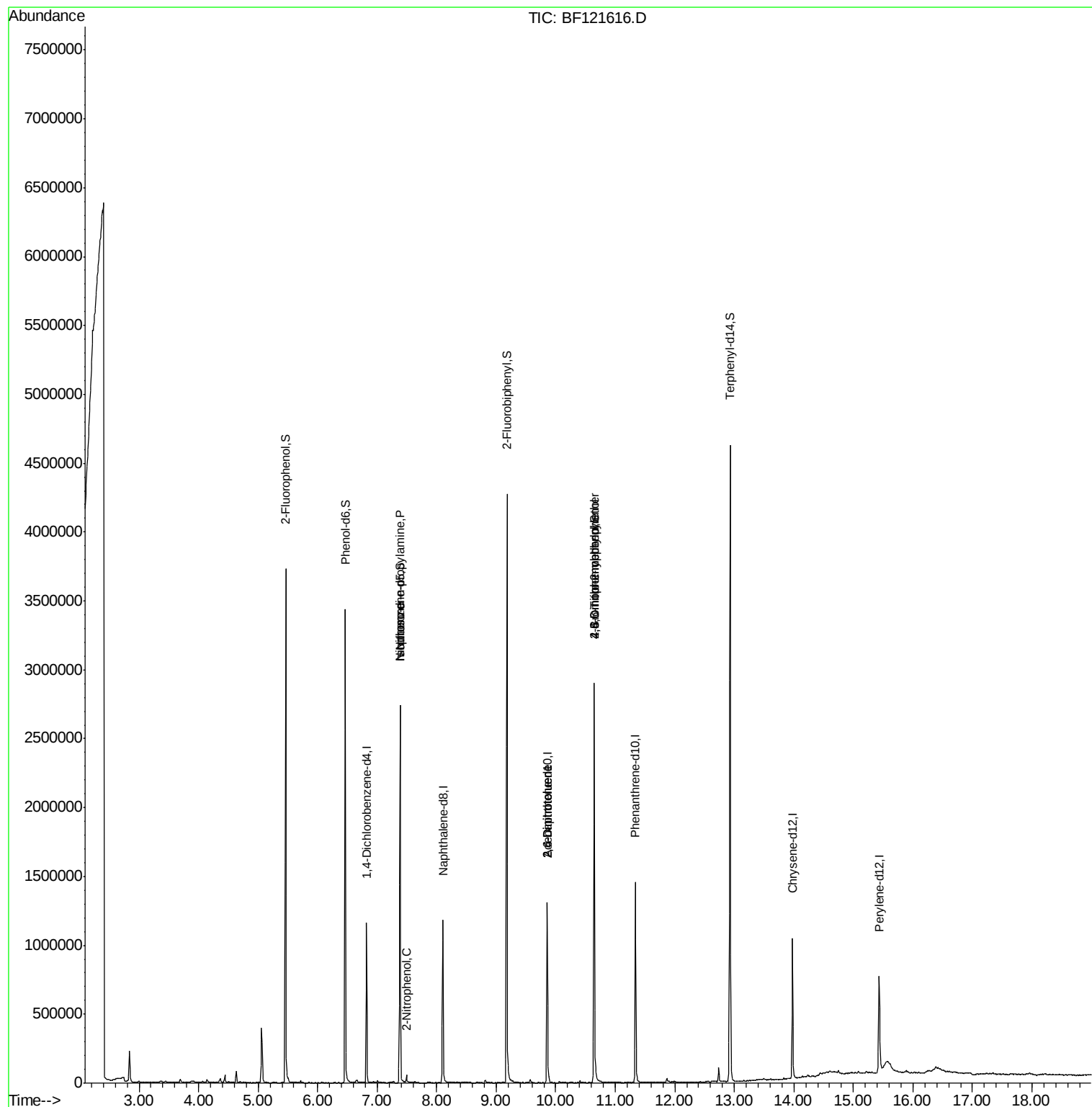
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	130525	17.524	ng	# 79
25) Isophorone	7.39	82	948837	44.103	ng	# 66
26) 2-Nitrophenol	7.49	139	354	2.621	ng	# 36
51) 2,6-Dinitrotoluene	9.86	165	38321	8.304	ng	# 28
57) 2,4-Dinitrotoluene	9.86	165	38321	6.601	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.65	198	735	7.036	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	26789	4.203	ng	# 1

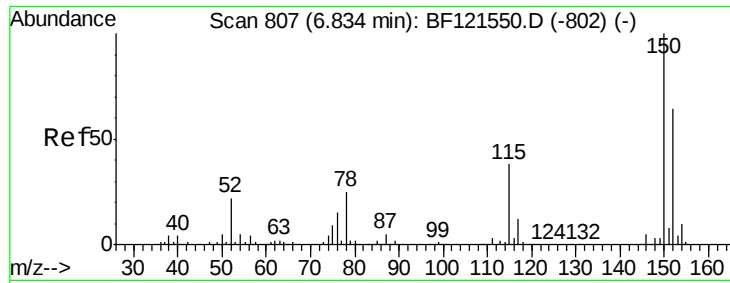
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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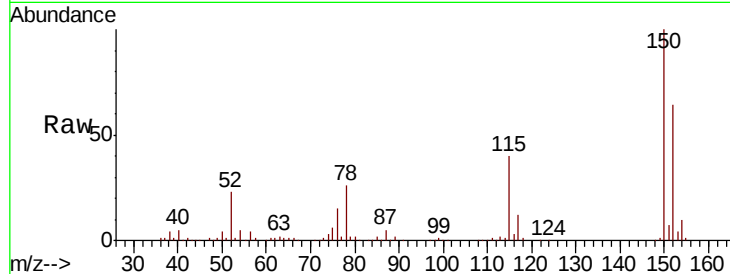


#1

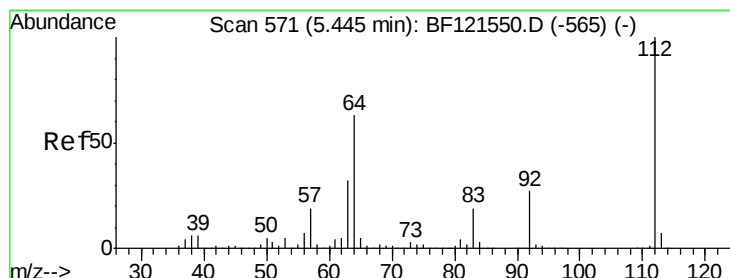
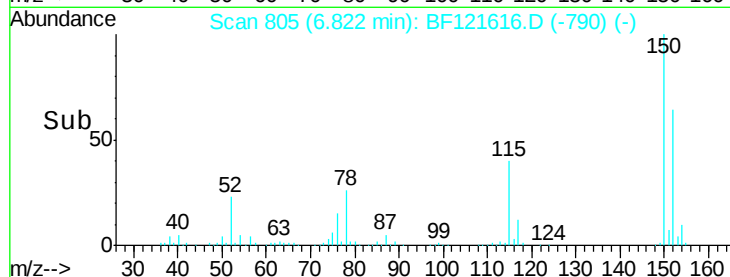
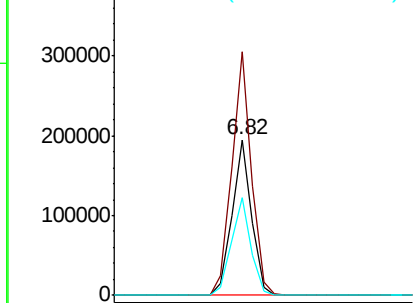
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF121616.D
Acq: 18 Sep 2020 16:47

Instrument :
BNA_F
ClientSampleId :
PAV-B33-091720-10-19

Tot Ion:152 Resp: 146400
Ion Ratio Lower Upper
152 100
150 156.2 125.8 188.6
115 62.8 47.8 71.8



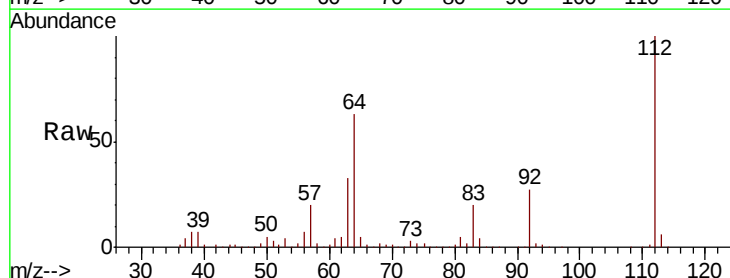
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



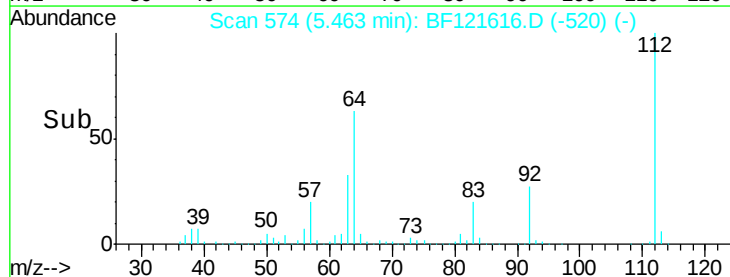
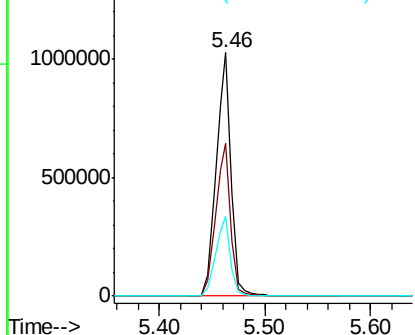
#5

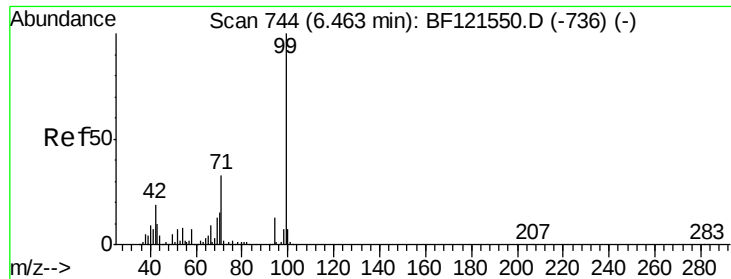
2-Fluorophenol
Concen: 103.815 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.02 min
Lab File: BF121616.D
Acq: 18 Sep 2020 16:47

Tgt Ion:112 Resp: 1022692
Ion Ratio Lower Upper
112 100
64 63.0 50.3 75.5
63 32.6 25.6 38.4



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: 95.732 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF121616.D

Acq: 18 Sep 2020 16:47

Instrument :

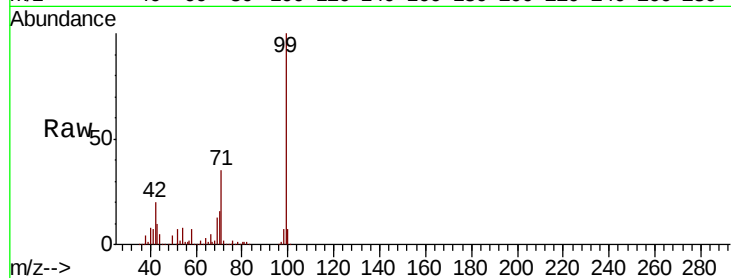
BNA_F

ClientSampleId :

PAV-B33-091720-10-19

Tot Ion: 99 Resp: 1237247

Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.5	23.3
71	35.3	26.1	39.1

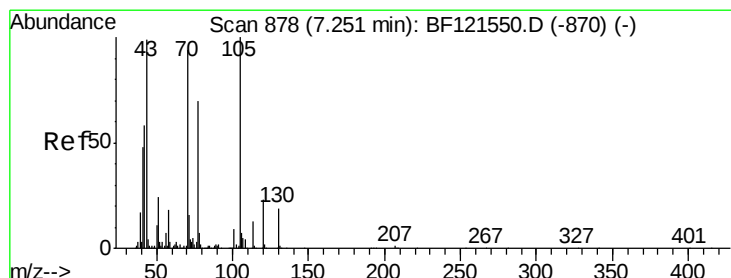
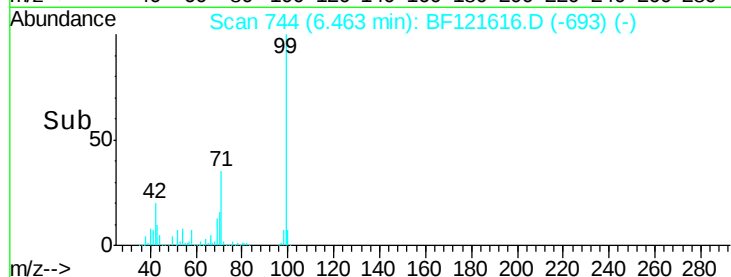
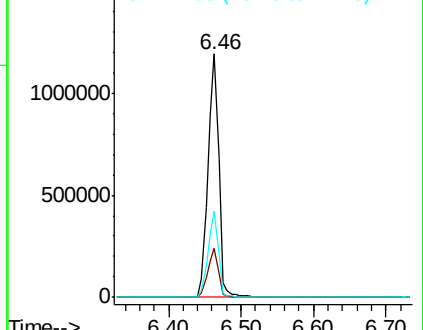


Abundance

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: 17.524 ng

RT: 7.39 min Scan# 901

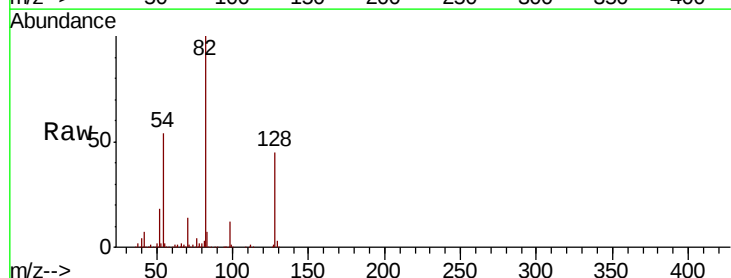
Delta R.T. 0.14 min

Lab File: BF121616.D

Acq: 18 Sep 2020 16:47

Tgt Ion: 70 Resp: 130525

Ion	Ratio	Lower	Upper
70	100		
42	50.5	49.4	74.2
101	0.0	7.6	11.4#
130	2.0	16.2	24.4#



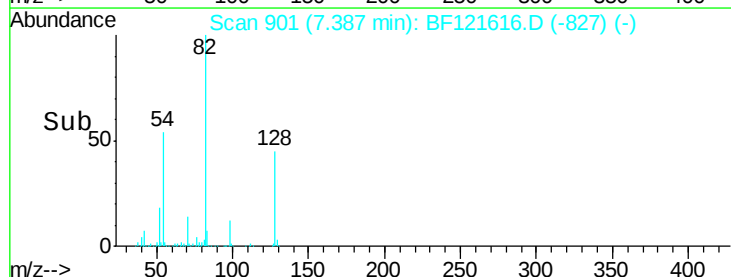
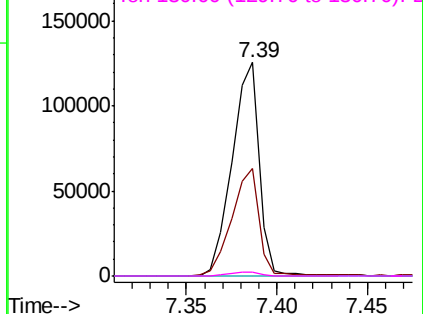
Abundance

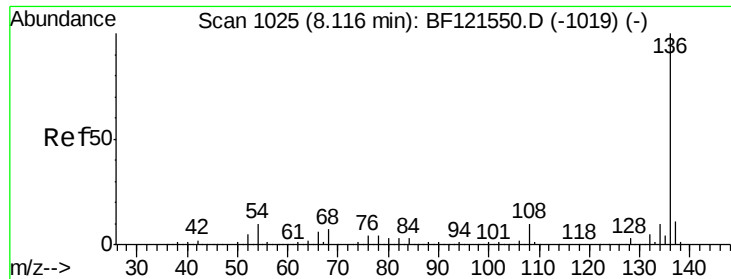
Ion 70.00 (69.70 to 70.70): BF1

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

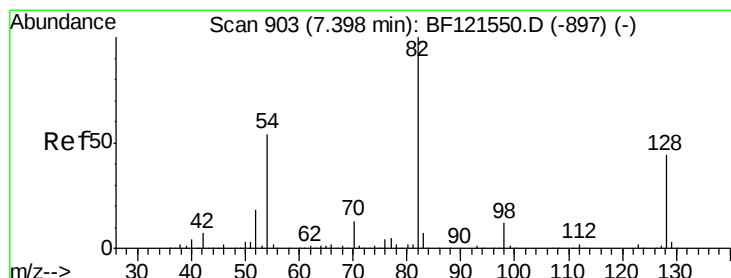
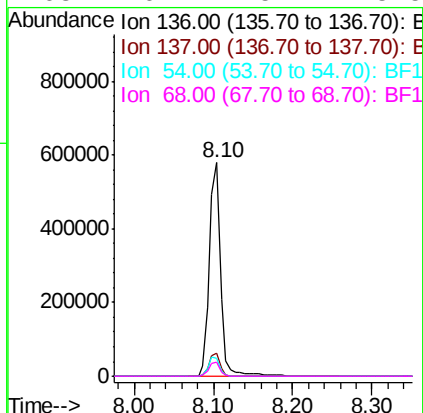
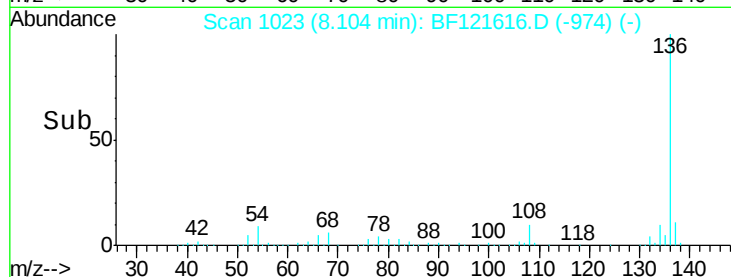
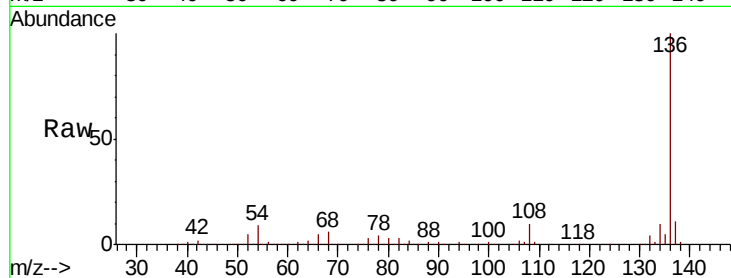




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF121616.D
Acq: 18 Sep 2020 16:47

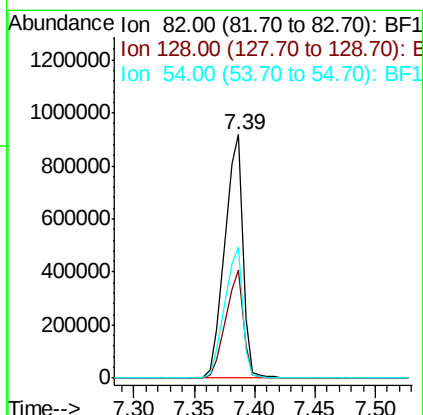
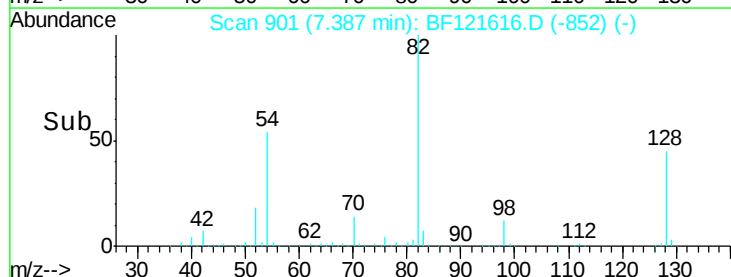
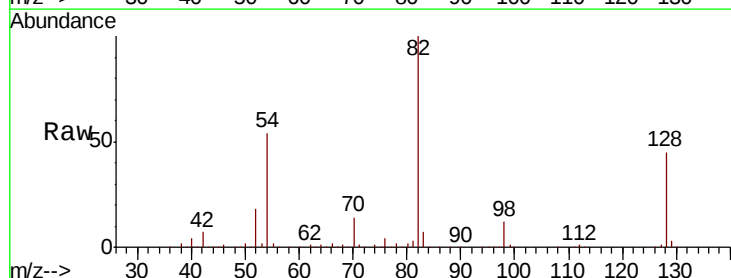
Instrument :
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PAV-B33-091720-10-19

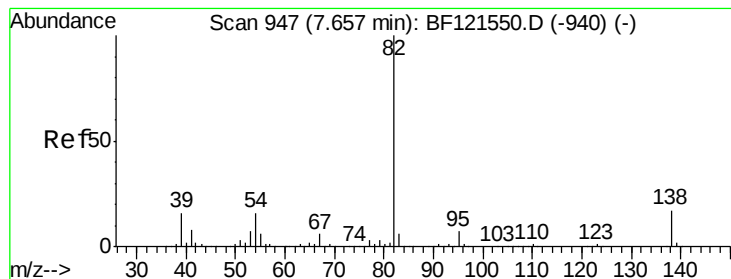
Tot Ion:136	Resp:	573838
Ion	Ratio	Lower Upper
136	100	
137	10.8	9.0 13.6
54	8.6	7.6 11.4
68	6.4	5.7 8.5



#23
Nitrobenzene-d5
Concen: 89.743 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF121616.D
Acq: 18 Sep 2020 16:47

Tgt Ion: 82	Resp:	959143
Ion	Ratio	Lower Upper
82	100	
128	44.5	35.1 52.7
54	53.8	43.0 64.6





#25

Isophorone

Concen: 44.103 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.27 min

Lab File: BF121616.D

Acq: 18 Sep 2020 16:47

Instrument :

BNA_F

ClientSampleId :

PAV-B33-091720-10-19

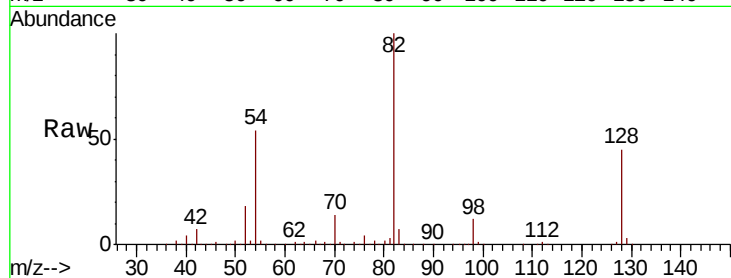
Tot Ion: 82 Resp: 948837

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.7 20.5#

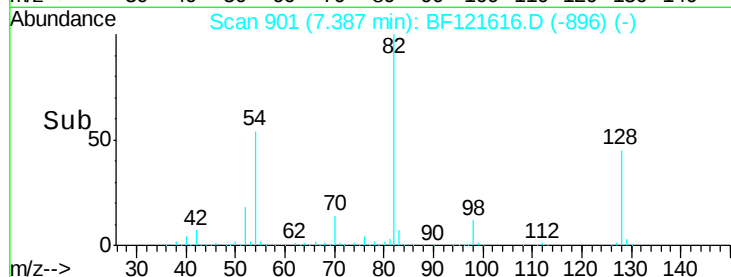


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



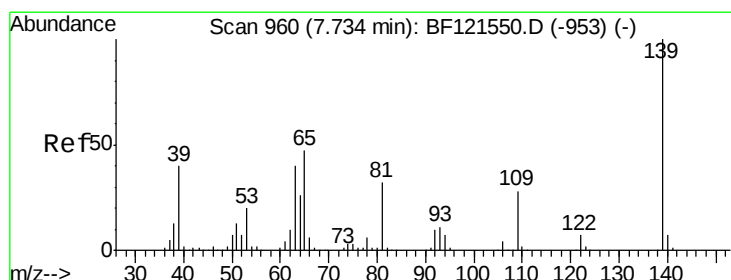
Abundance

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

Time-->



#26

2-Nitrophenol

Concen: 2.621 ng

RT: 7.49 min Scan# 919

Delta R.T. -0.24 min

Lab File: BF121616.D

Acq: 18 Sep 2020 16:47

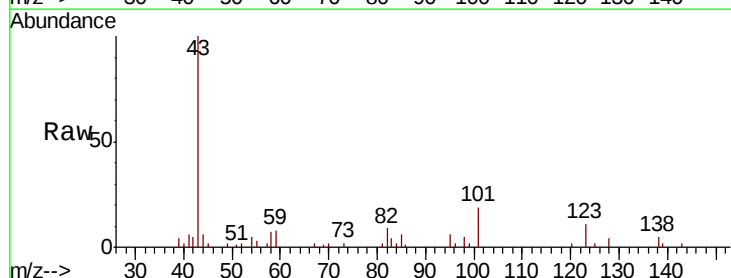
Tgt Ion: 139 Resp: 354

Ion Ratio Lower Upper

139 100

109 0.0 22.4 33.6#

65 0.0 37.6 56.4#

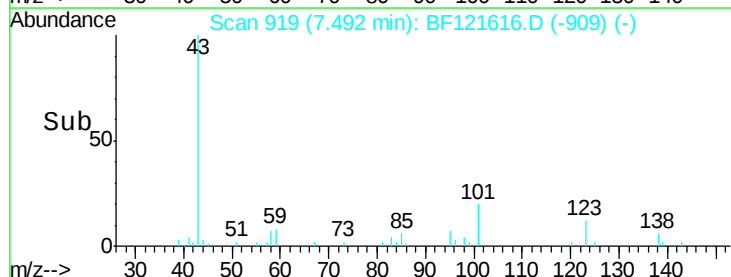


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Time-->



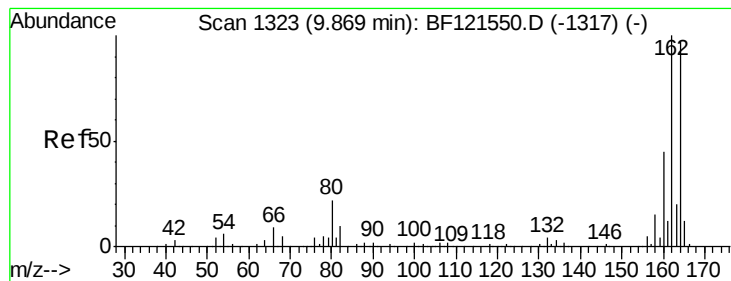
Abundance

Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF121616.D

Acq: 18 Sep 2020 16:47

Instrument :

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ClientSampleId :

PAV-B33-091720-10-19

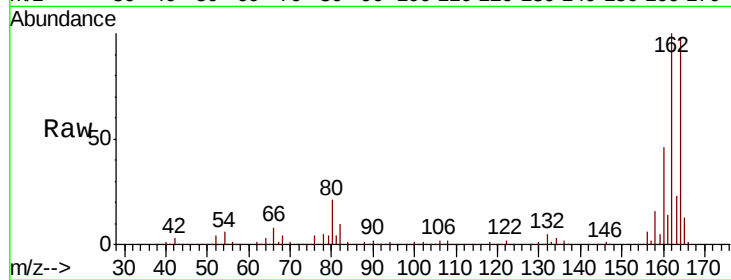
Tot Ion:164 Resp: 298973

Ion Ratio Lower Upper

164 100

162 101.9 82.3 123.5

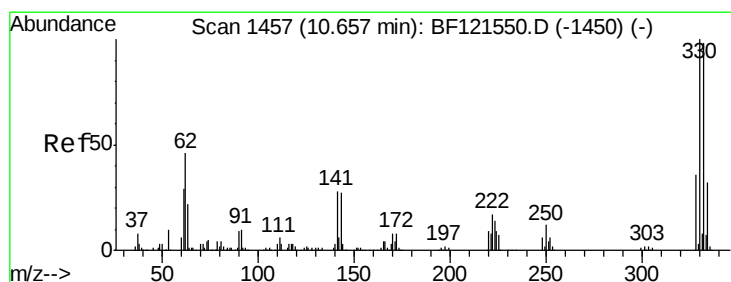
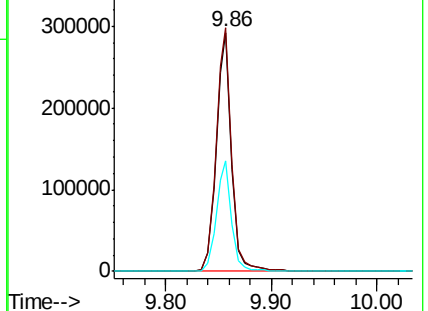
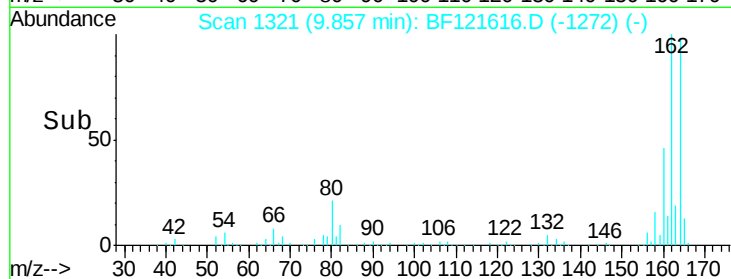
160 46.5 37.0 55.4



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: 124.587 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF121616.D

Acq: 18 Sep 2020 16:47

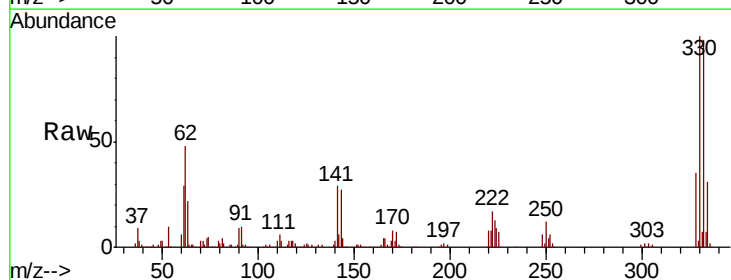
Tgt Ion:330 Resp: 462943

Ion Ratio Lower Upper

330 100

332 96.8 77.1 115.7

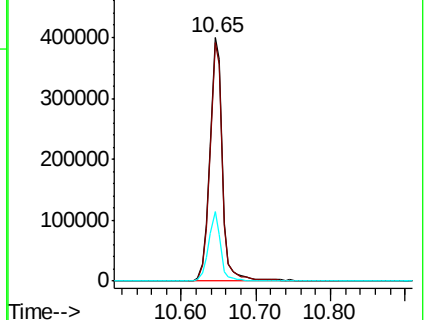
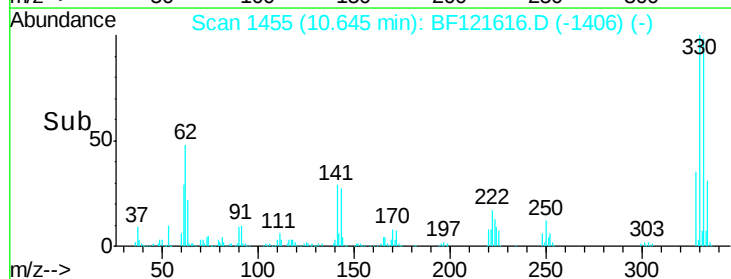
141 28.1 23.6 35.4

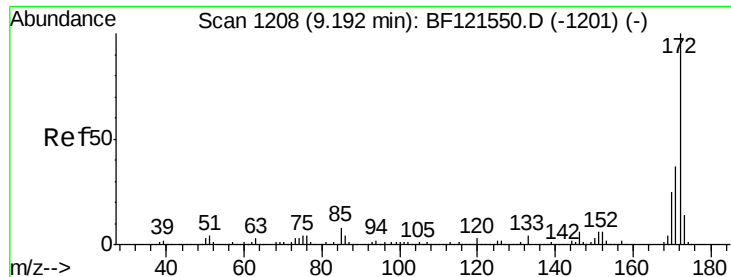


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

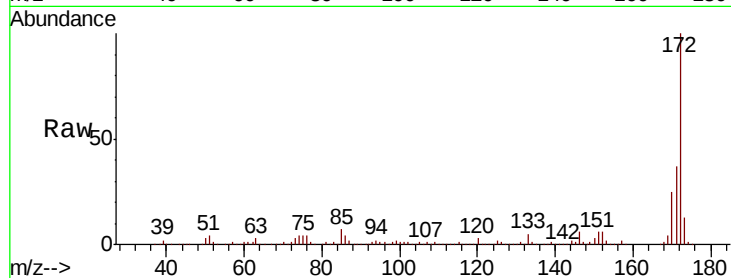




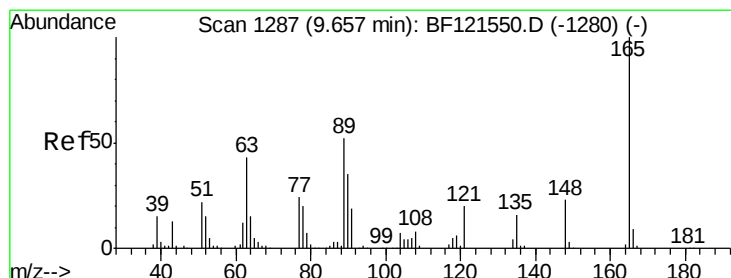
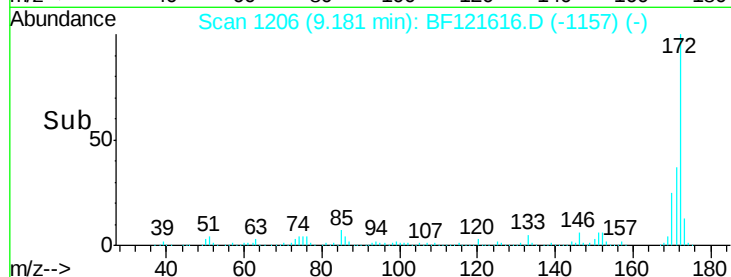
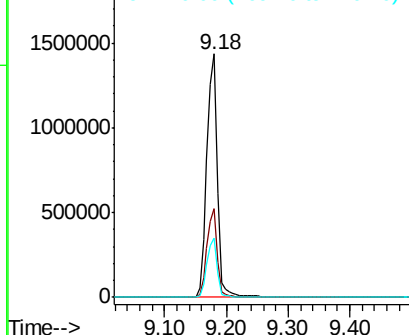
#45
2-Fluorobiphenyl
Concen: 86.201 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF121616.D
Acq: 18 Sep 2020 16:47

Instrument :
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Tot Ion:172 Resp: 1701633
Ion Ratio Lower Upper
172 100
171 36.5 29.8 44.6
170 24.6 19.8 29.8

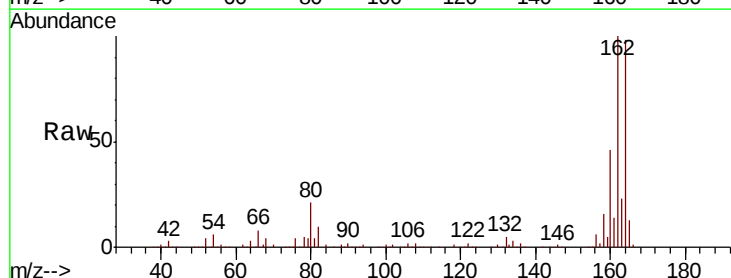


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

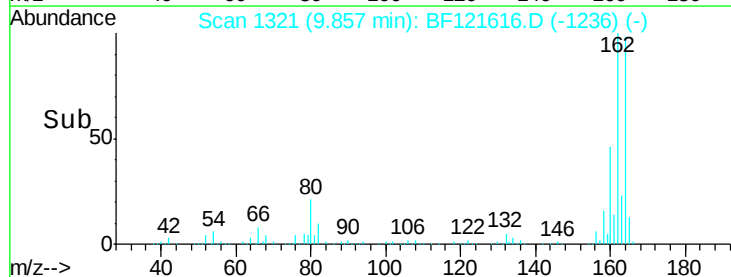
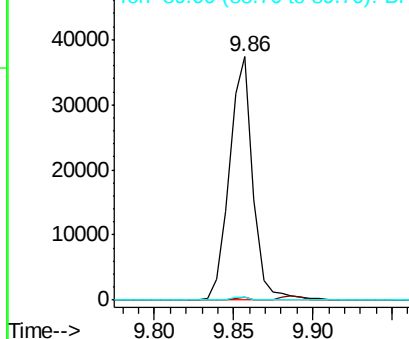


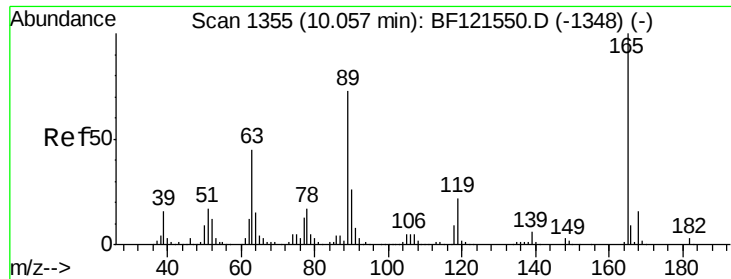
#51
2,6-Dinitrotoluene
Concen: 8.304 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.20 min
Lab File: BF121616.D
Acq: 18 Sep 2020 16:47

Tgt Ion:165 Resp: 38321
Ion Ratio Lower Upper
165 100
63 1.4 40.6 61.0#
89 1.3 41.8 62.8#



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

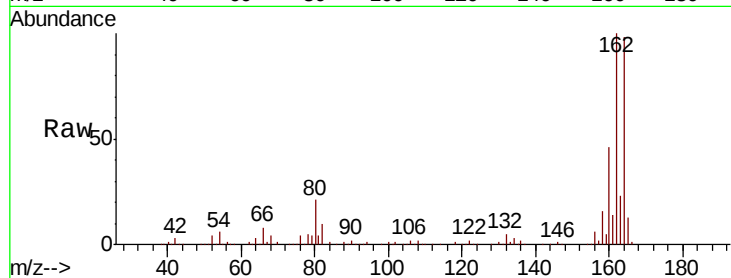




#57
 2,4-Dinitrotoluene
 Concen: 6.601 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.20 min
 Lab File: BF121616.D
 Acq: 18 Sep 2020 16:47

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B33-091720-10-19

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.2	54.4#
89	1.3	58.2	87.4#
182	0.0	2.2	3.2#

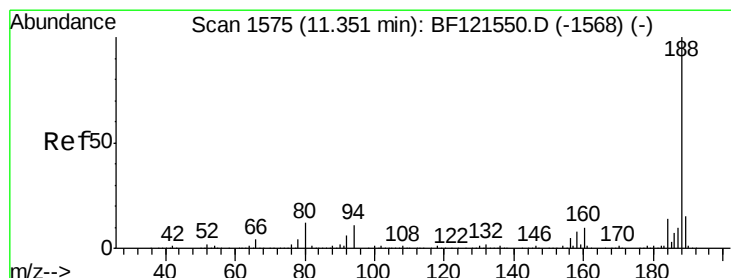
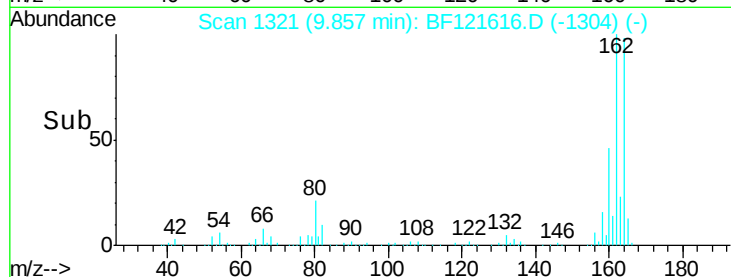
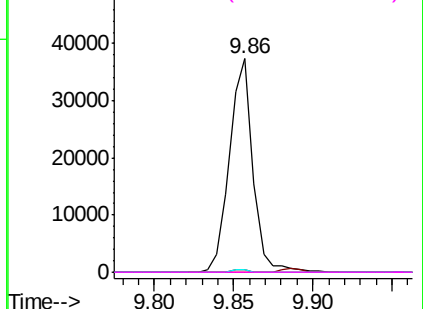


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

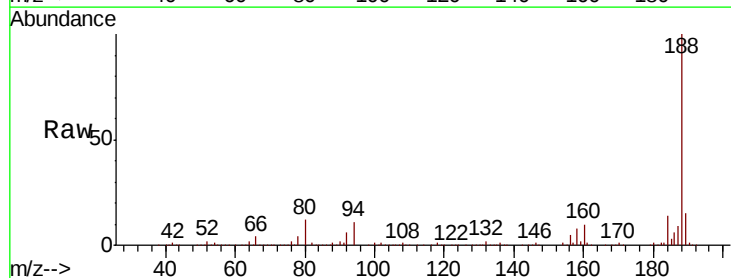
Ion 89.00 (88.70 to 89.70): BF1

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. -0.01 min
 Lab File: BF121616.D
 Acq: 18 Sep 2020 16:47

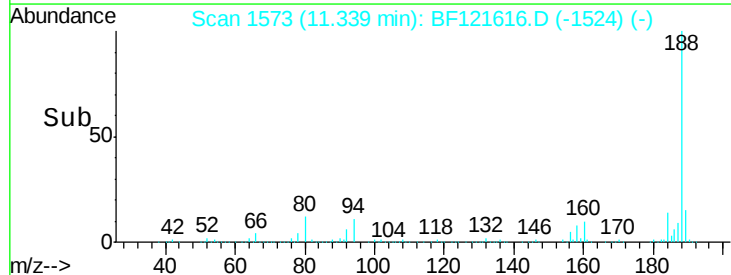
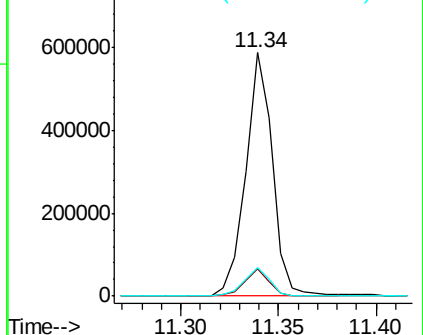
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.7	13.1
80	11.8	9.3	13.9

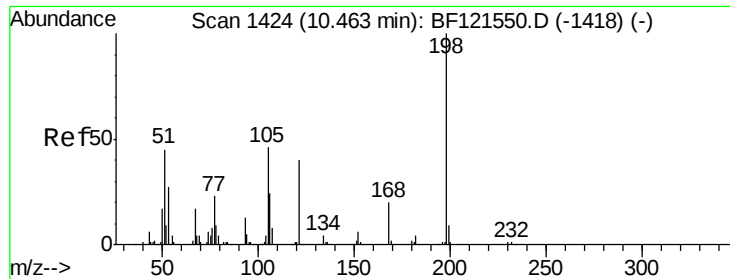


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

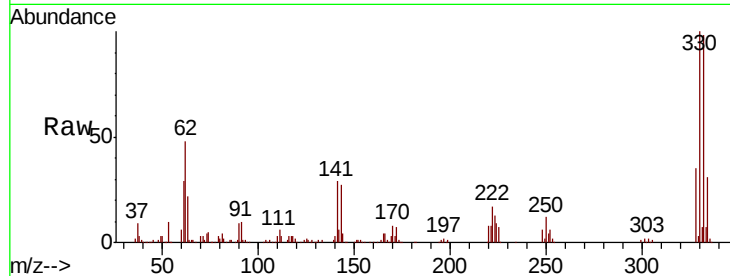




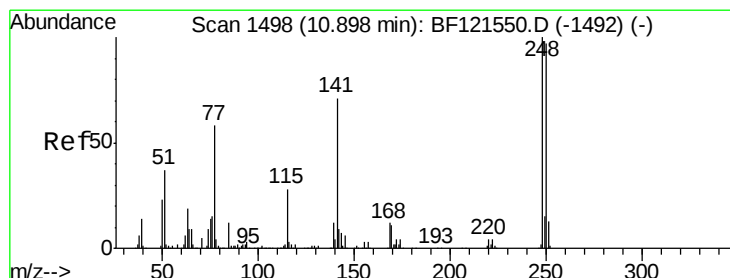
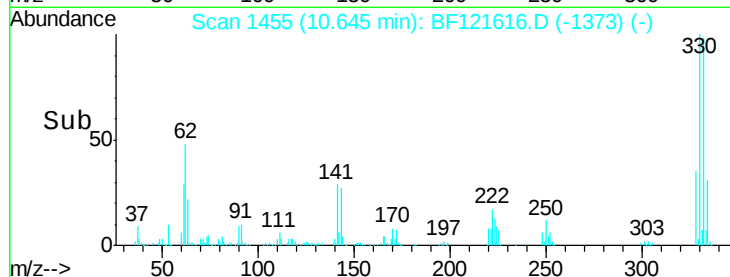
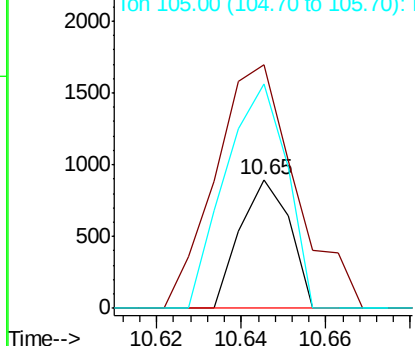
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.036 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.18 min
 Lab File: BF121616.D
 Acq: 18 Sep 2020 16:47

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B33-091720-10-19

Tot Ion:198 Resp: 735
 Ion Ratio Lower Upper
 198 100
 51 188.8 31.1 71.1#
 105 173.7 26.6 66.6#

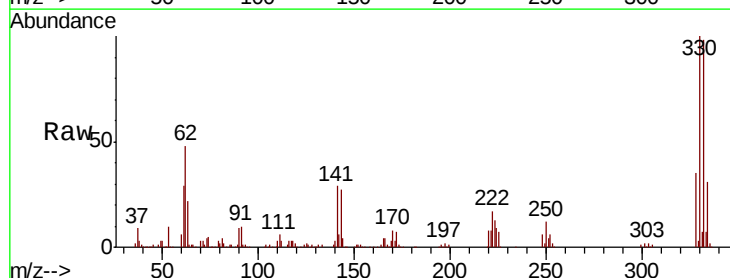


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

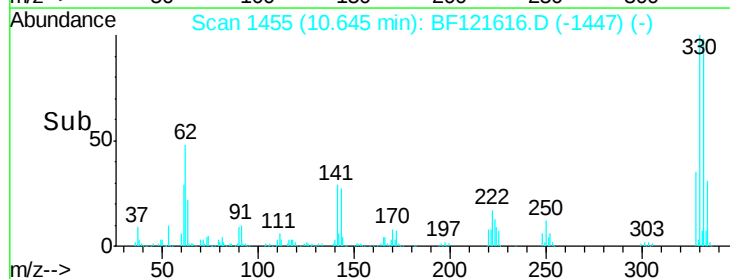
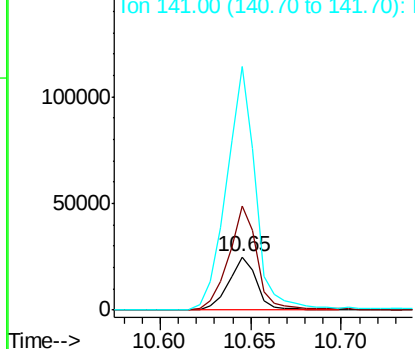


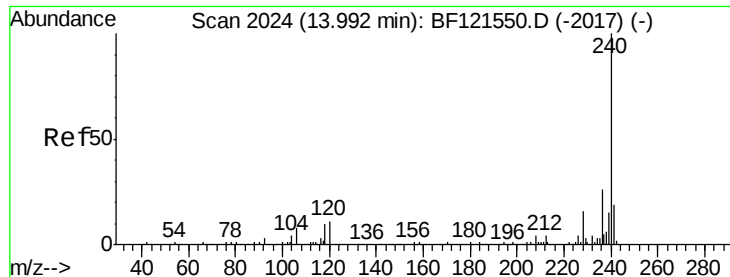
#67
 4-Bromophenyl-phenylether
 Concen: 4.203 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.25 min
 Lab File: BF121616.D
 Acq: 18 Sep 2020 16:47

Tgt Ion:248 Resp: 26789
 Ion Ratio Lower Upper
 248 100
 250 195.3 77.4 116.0#
 141 455.4 56.7 85.1#



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

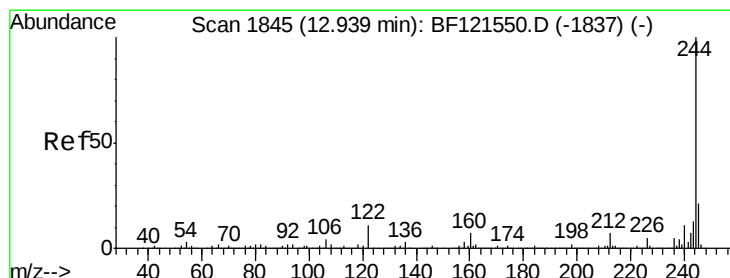
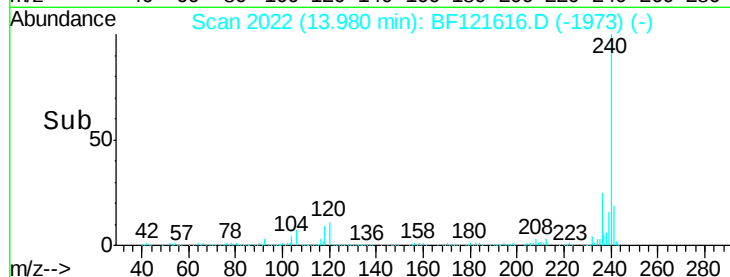
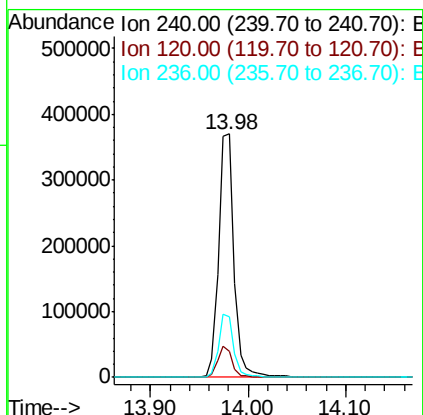
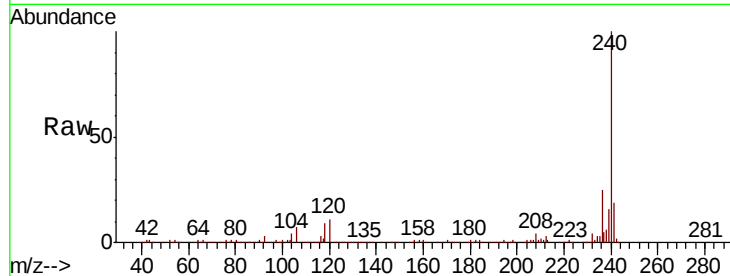




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF121616.D
Acq: 18 Sep 2020 16:47

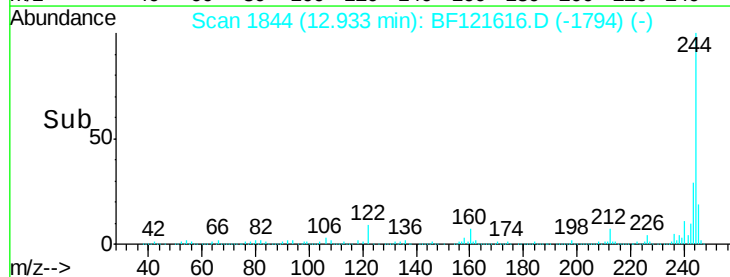
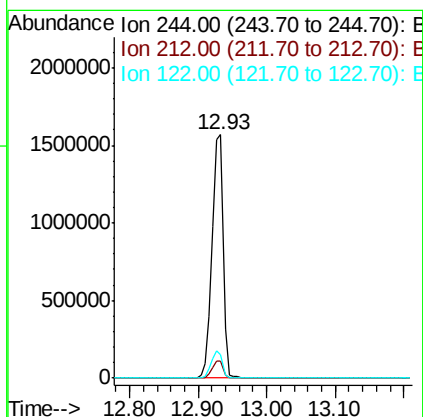
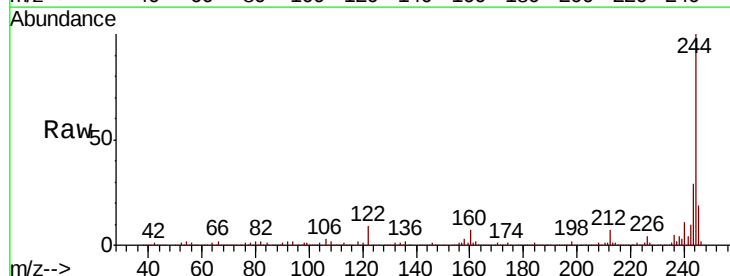
Instrument :
BNA_F
ClientSampleId :
PAV-B33-091720-10-19

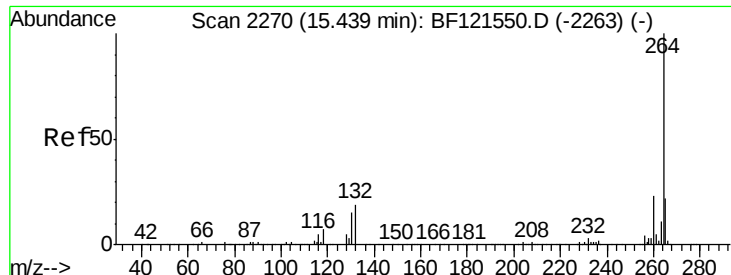
Tot Ion:240 Resp: 406528
Ion Ratio Lower Upper
240 100
120 10.6 9.2 13.8
236 24.9 20.5 30.7



#79
Terphenyl-d14
Concen: 87.746 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF121616.D
Acq: 18 Sep 2020 16:47

Tgt Ion:244 Resp: 1760755
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 9.5 8.7 13.1

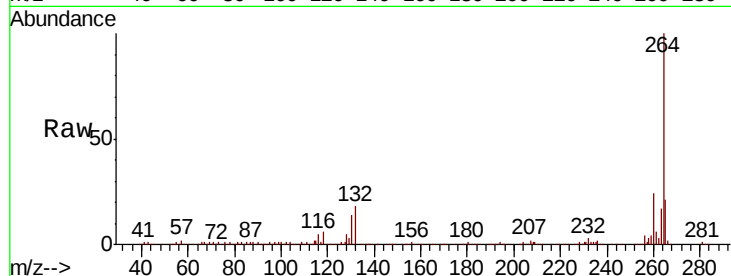




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BF121616.D
 Acq: 18 Sep 2020 16:47

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B33-091720-10-19

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.8	28.2
265	20.7	17.8	26.6



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

