

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\
 Data File : BF121387.D
 Acq On : 22 Aug 2020 1:26
 Operator : JU/CG
 Sample : L3747-01 20X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 02:55:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

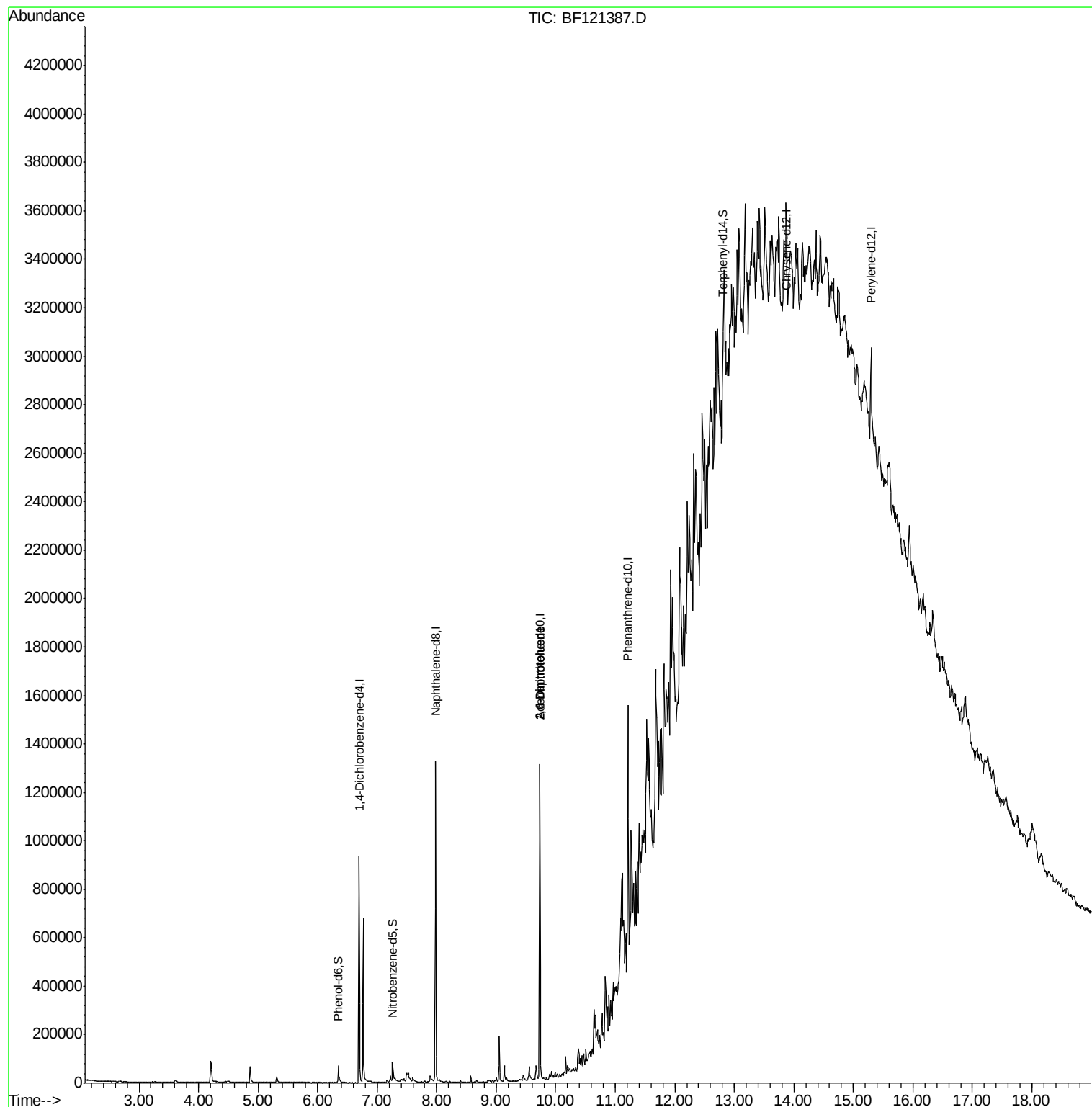
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	145148	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	549317	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	254658	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	390033	20.00	ng	0.00
76) Chrysene-d12	13.87	240	206549	20.00	ng	0.02
86) Perylene-d12	15.30	264	254015	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	12059	1.36	ng	0.01
7) Phenol-d6	6.35	99	32225	2.85	ng	0.00
23) Nitrobenzene-d5	7.26	82	26552	2.73	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	505	0.17	ng	0.01
45) 2-Fluorobiphenyl	9.05	172	60397	-9.88	ng	0.00
79) Terphenyl-d14	12.80	244	33803	3.20	ng	0.00
Target Compounds						
51) 2,6-Dinitrotoluene	9.73	165	33140	8.376	ng	# 29
55) Dibenzofuran	9.94	168	524	Below Cal		# 46
57) 2,4-Dinitrotoluene	9.73	165	33140	6.865	ng	# 25
58) Fluorene	10.28	166	527	Below Cal		# 72

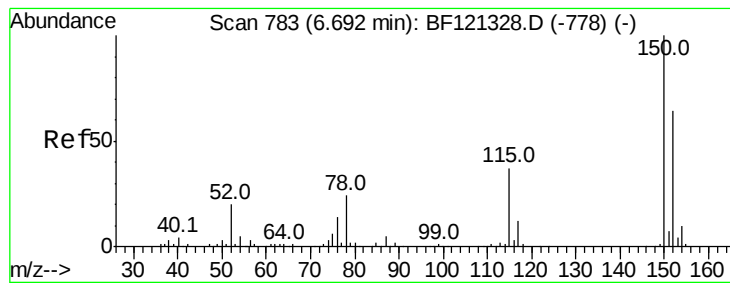
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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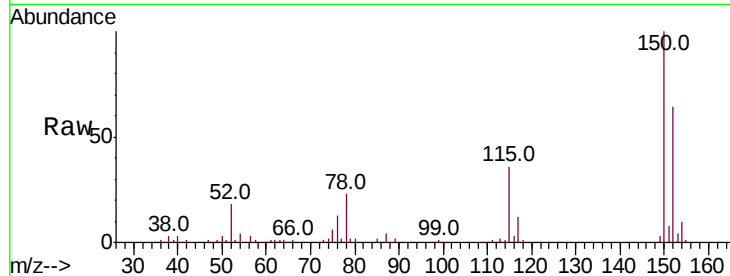


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF121387.D
Acq: 22 Aug 2020 1:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.8	187.2
115	57.1	46.1	69.1

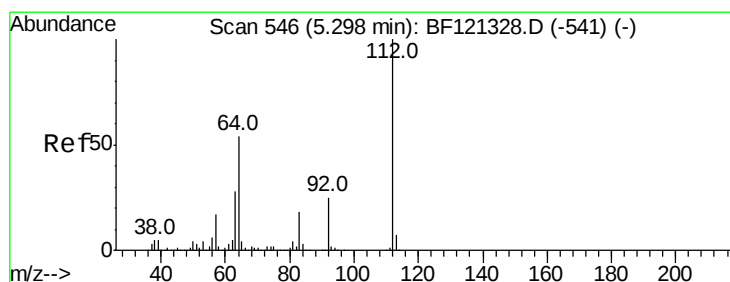
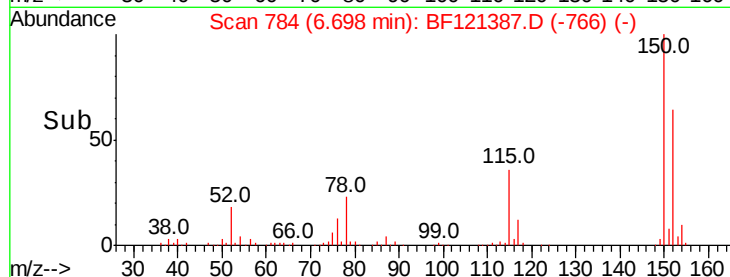
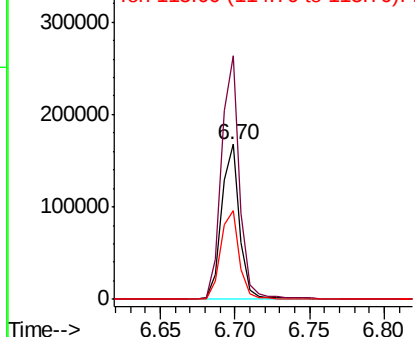


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

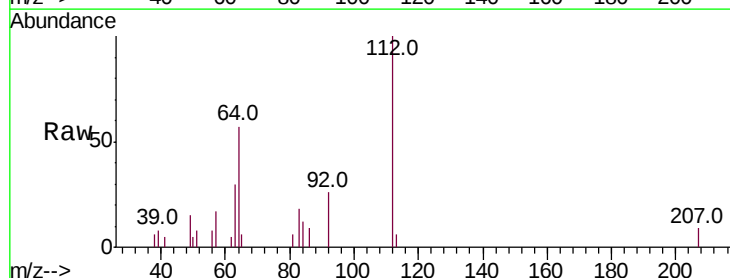
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 1.362 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF121387.D
Acq: 22 Aug 2020 1:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	43.5	65.3
63	29.7	22.0	33.0

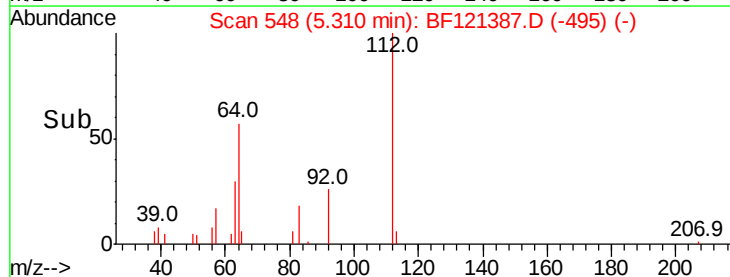
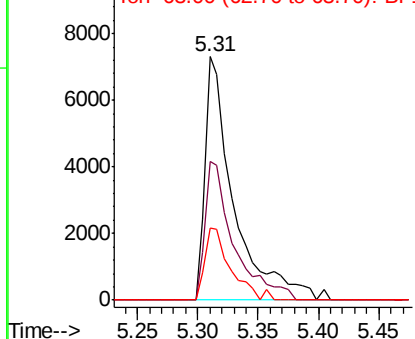


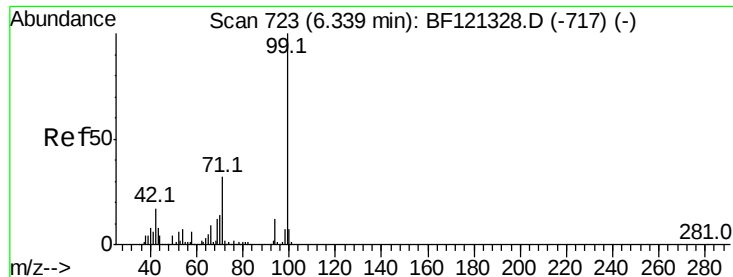
Abundance

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: 2.852 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121387.D

Acq: 22 Aug 2020 1:26

Instrument :

BNA_F

ClientSampleId :

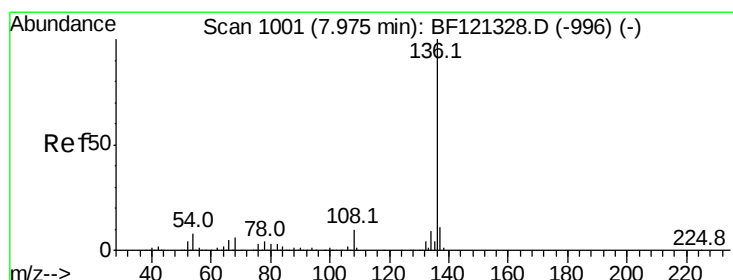
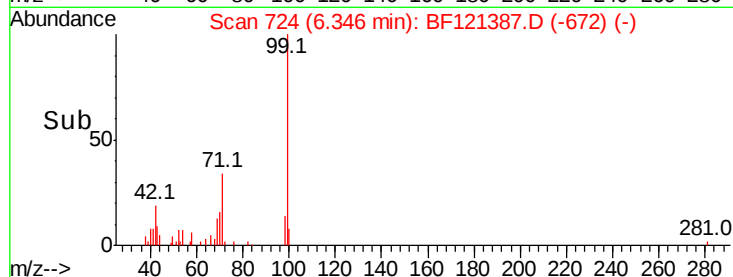
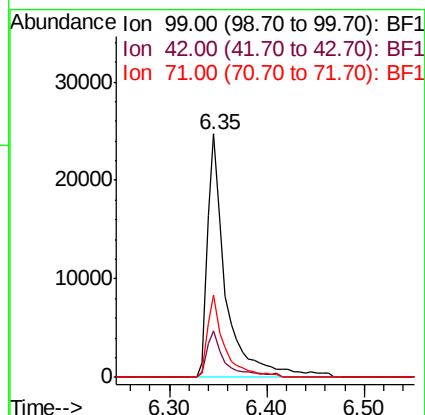
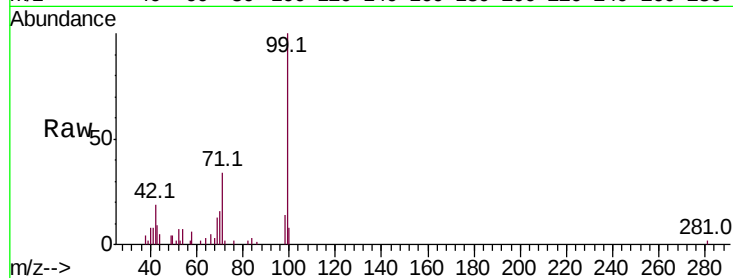
Tot Ion: 99 Resp: 32225

Ion Ratio Lower Upper

99 100

42 19.3 13.5 20.3

71 33.6 25.2 37.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF121387.D

Acq: 22 Aug 2020 1:26

Tgt Ion: 136 Resp: 549317

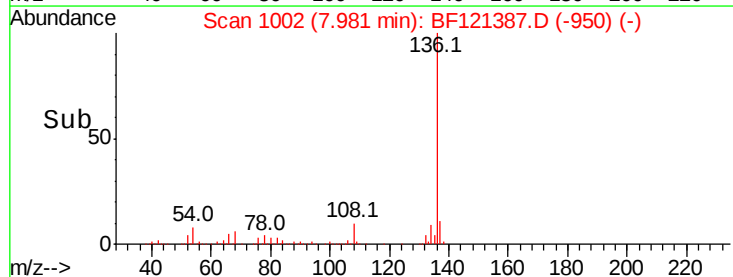
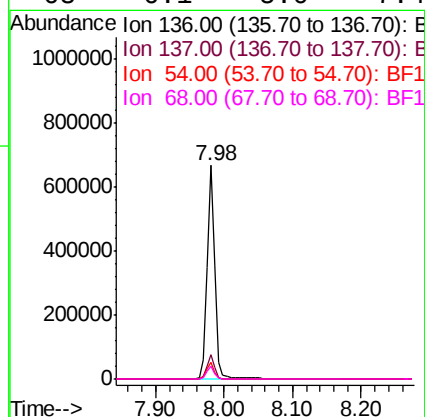
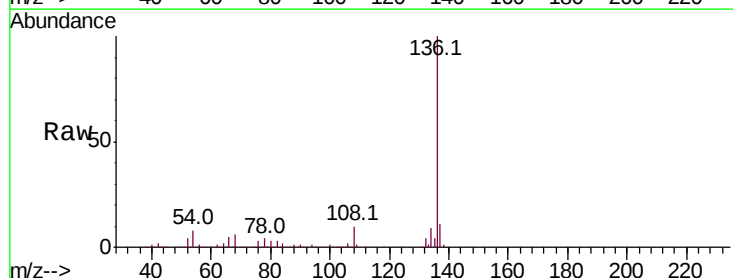
Ion Ratio Lower Upper

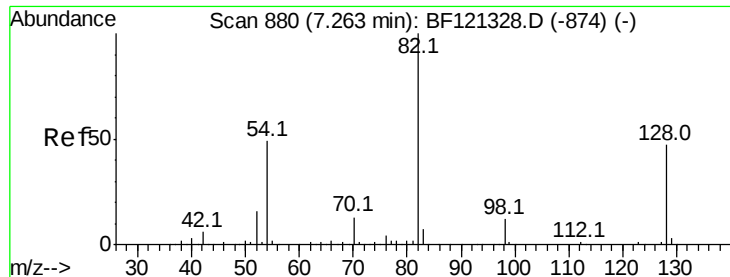
136 100

137 11.1 8.9 13.3

54 7.6 6.1 9.1

68 6.1 5.0 7.4

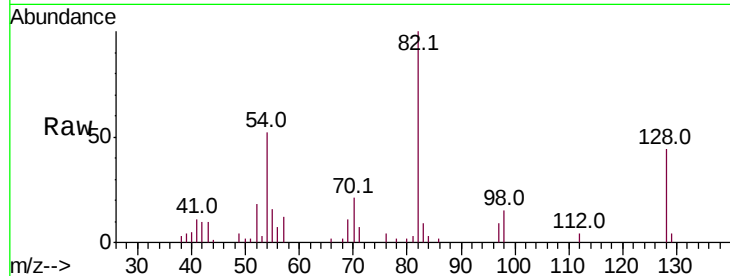




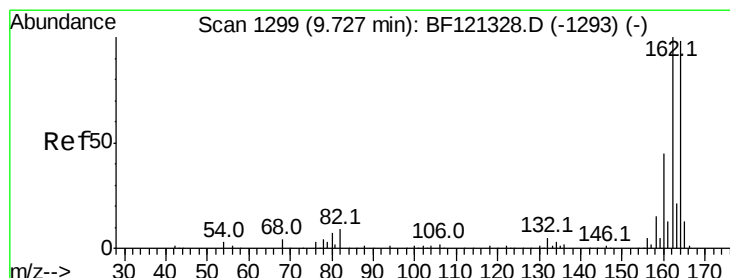
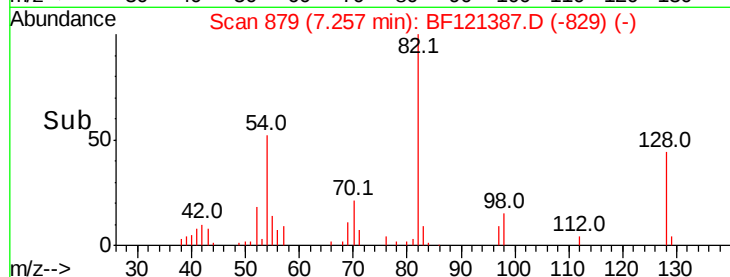
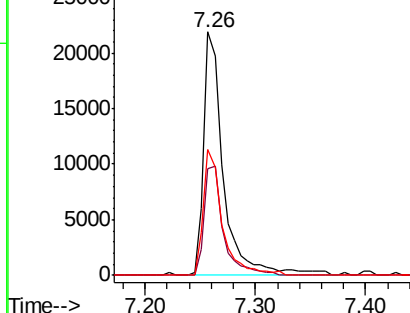
#23
Nitrobenzene-d5
Concen: 2.734 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF121387.D
Acq: 22 Aug 2020 1:26

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	26552
Ion	Ratio	Lower	Upper
82	100		
128	43.7	37.9	56.9
54	51.8	39.0	58.4

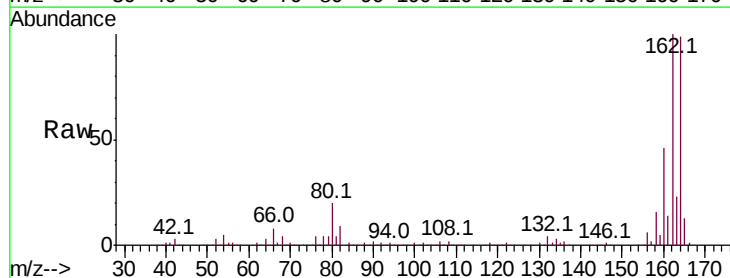


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

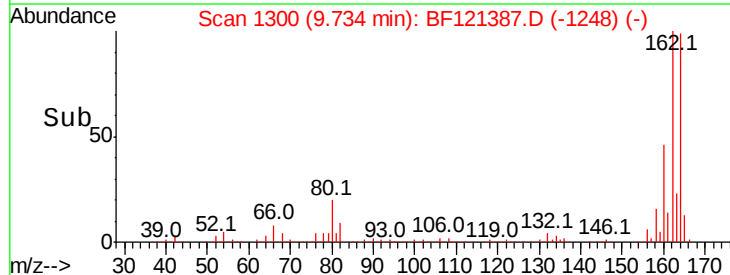
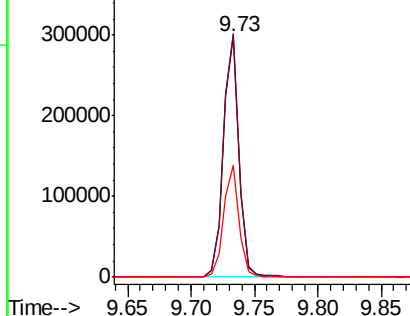


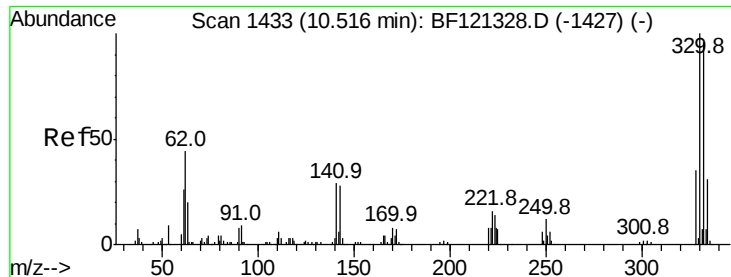
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF121387.D
Acq: 22 Aug 2020 1:26

Tgt Ion	164	Resp	254658
Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.7	122.5
160	46.4	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

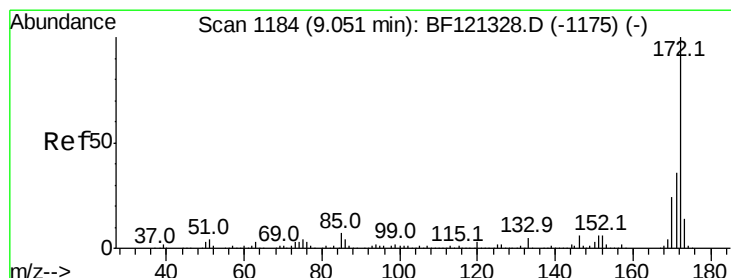
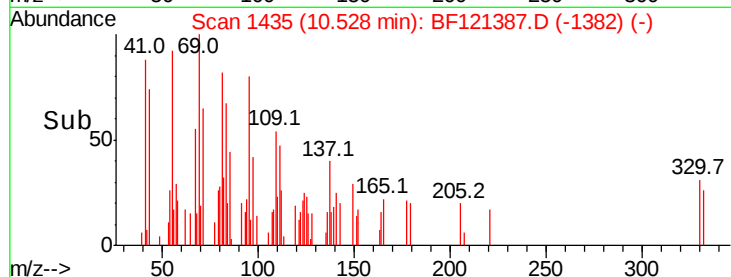
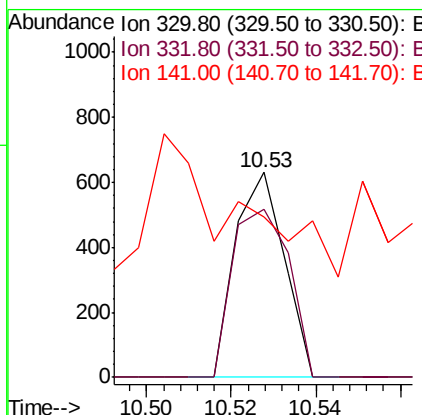
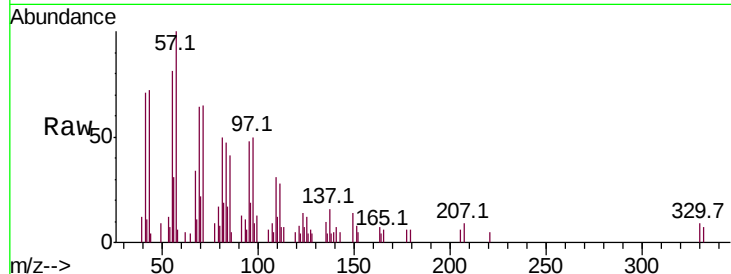




#42
 2,4,6-Tribromophenol
 Concen: 0.170 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: BF121387.D
 Acq: 22 Aug 2020 1:26

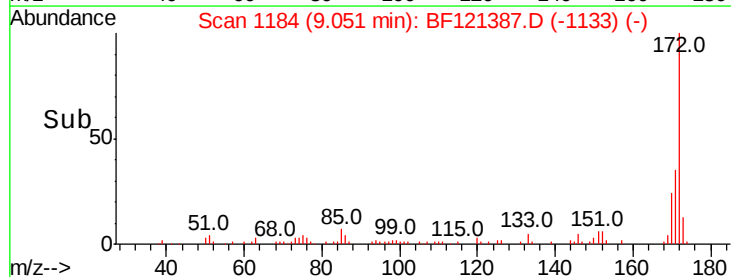
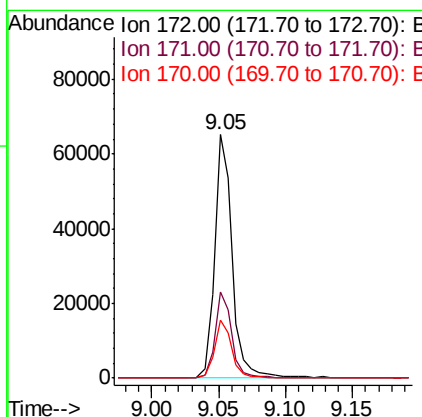
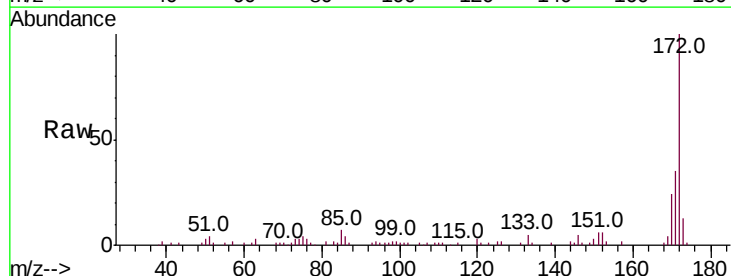
Instrument :
 BNA_F
 ClientSampled :

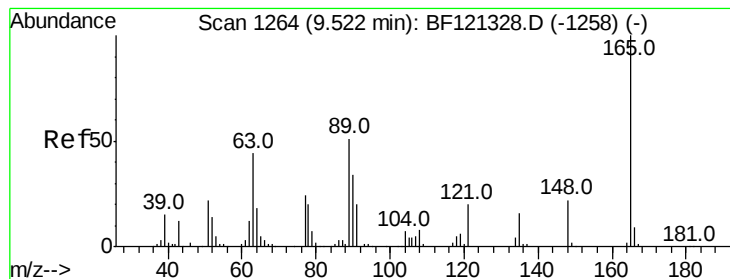
Tot Ion:330 Resp: 505
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.9 115.3
 141 0.0 22.8 34.2#



#45
 2-Fluorobiphenyl
 Concen: -9.877 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121387.D
 Acq: 22 Aug 2020 1:26

Tgt Ion:172 Resp: 60397
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.0 43.6
 170 24.0 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.376 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.21 min

Lab File: BF121387.D

Acq: 22 Aug 2020 1:26

Instrument :

BNA_F

ClientSampled :

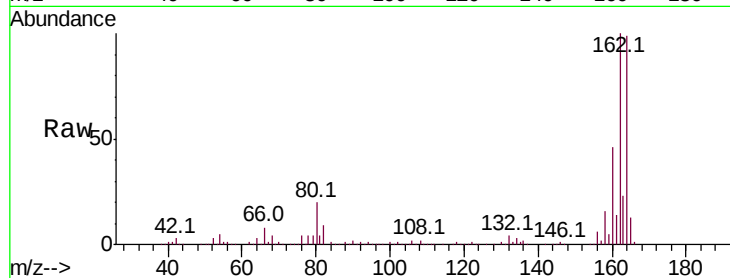
Tot Ion:165 Resp: 33140

Ion Ratio Lower Upper

165 100

63 0.9 38.5 57.7#

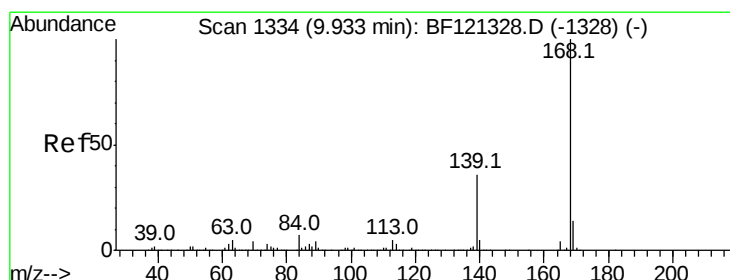
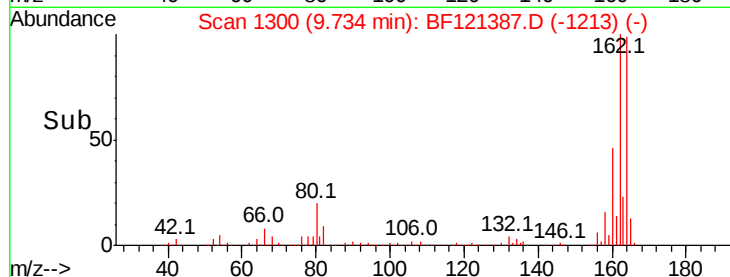
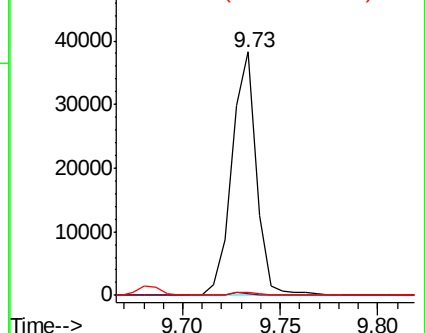
89 1.3 41.2 61.8#



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



#55

Dibenzofuran

Concen: Below Cal

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF121387.D

Acq: 22 Aug 2020 1:26

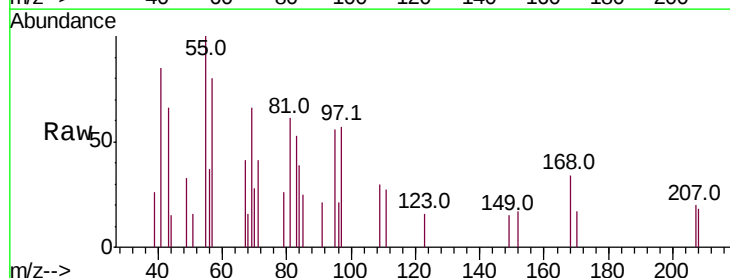
Tgt Ion:168 Resp: 524

Ion Ratio Lower Upper

168 100

139 0.0 29.1 43.7#

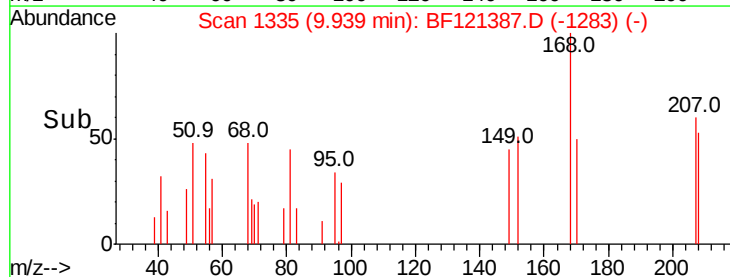
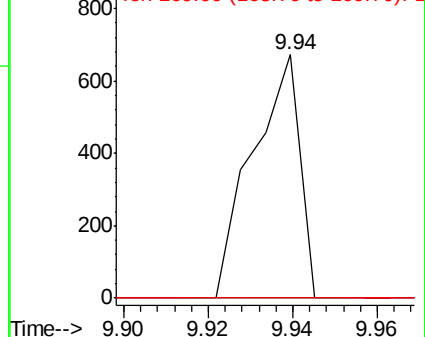
169 0.0 11.0 16.6#

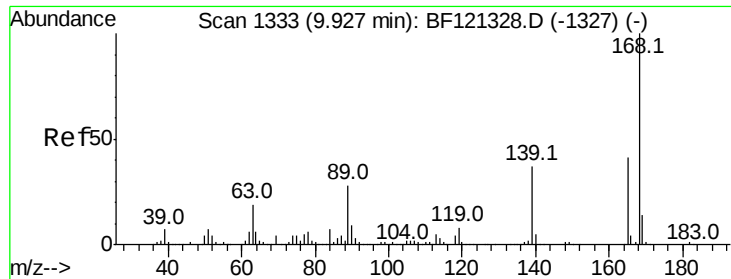


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

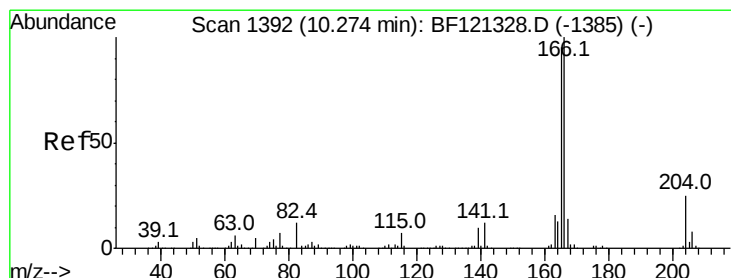
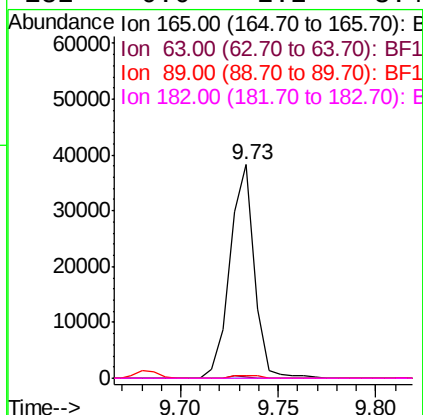
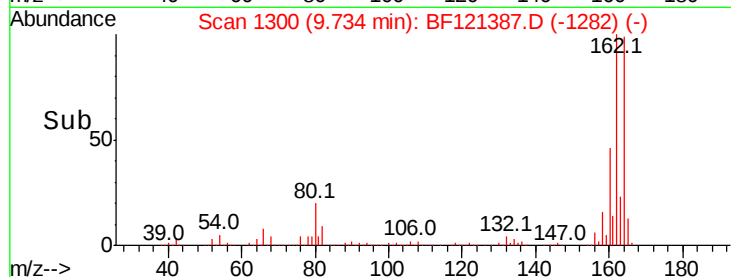
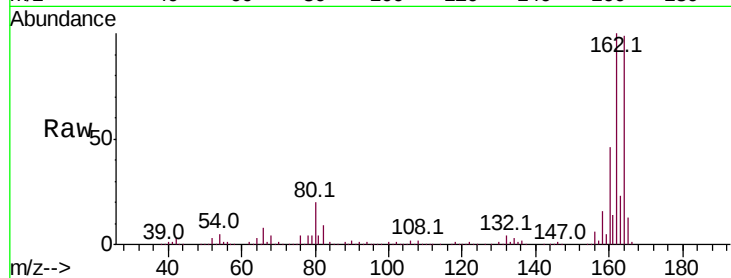




#57
 2,4-Dinitrotoluene
 Concen: 6.865 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.19 min
 Lab File: BF121387.D
 Acq: 22 Aug 2020 1:26

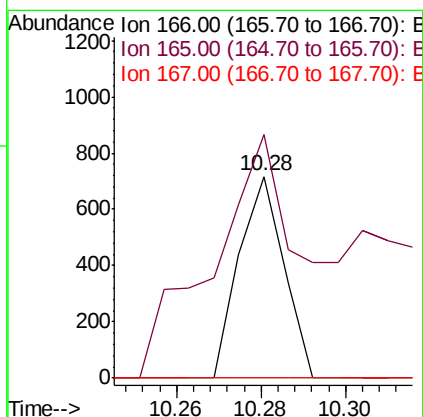
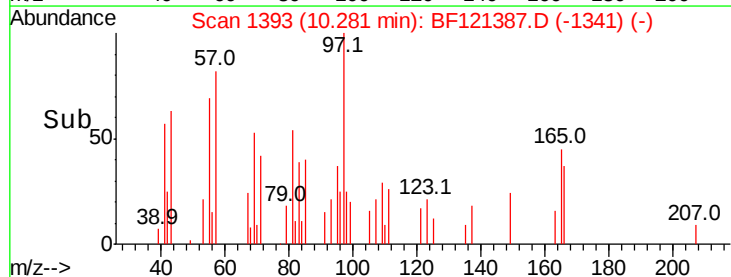
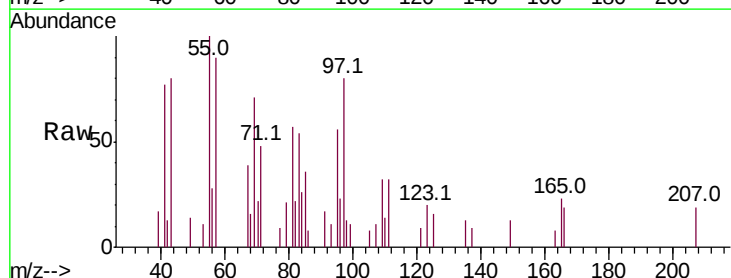
Instrument :
 BNA_F
 ClientSampleId :

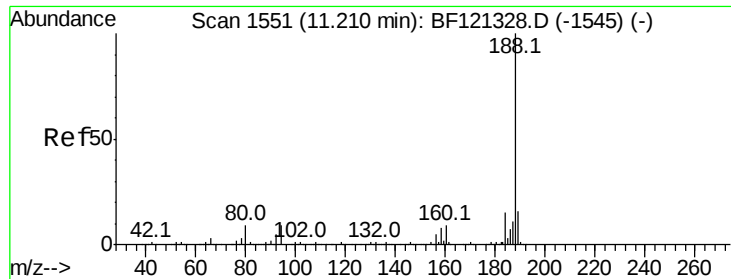
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	37.5	56.3#
89	1.3	54.2	81.4#
182	0.0	2.2	3.4#



#58
 Fluorene
 Concen: Below Cal
 RT: 10.28 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: BF121387.D
 Acq: 22 Aug 2020 1:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	120.8	75.8	113.8#
167	0.0	11.0	16.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.01 min

Lab File: BF121387.D

Acq: 22 Aug 2020 1:26

Instrument :

BNA_F

ClientSampleId :

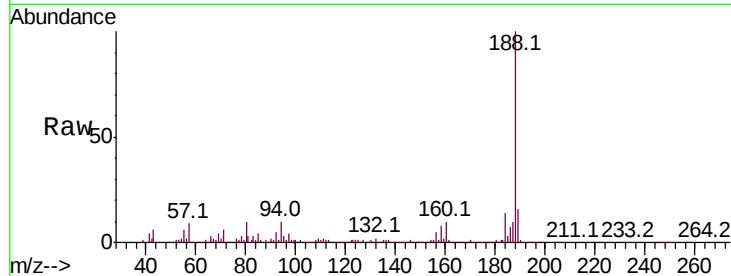
Tot Ion:188 Resp: 390033

Ion Ratio Lower Upper

188 100

94 10.1 7.2 10.8

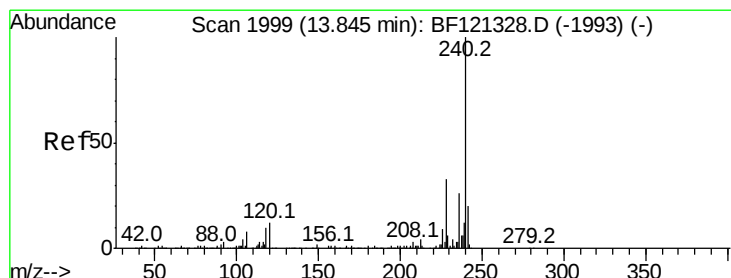
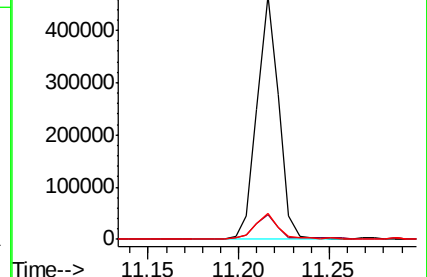
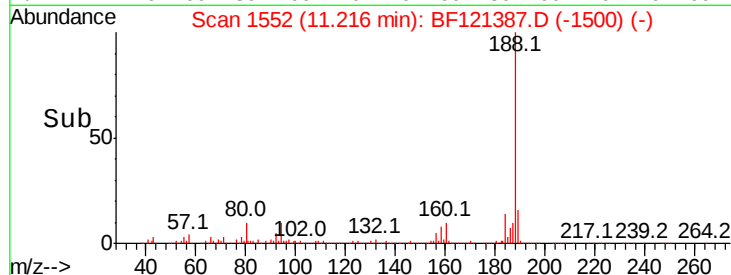
80 10.5 7.4 11.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.02 min

Lab File: BF121387.D

Acq: 22 Aug 2020 1:26

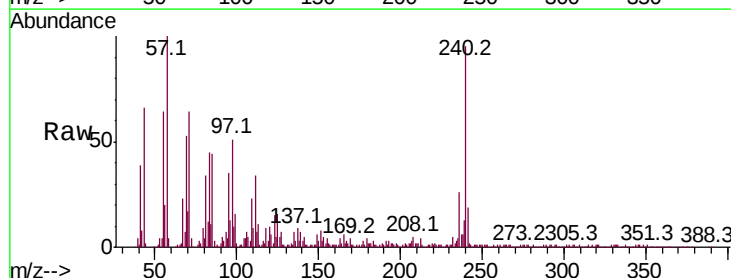
Tgt Ion:240 Resp: 206549

Ion Ratio Lower Upper

240 100

120 10.6 9.6 14.4

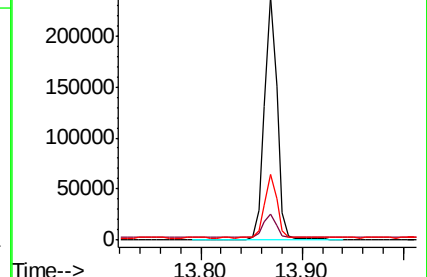
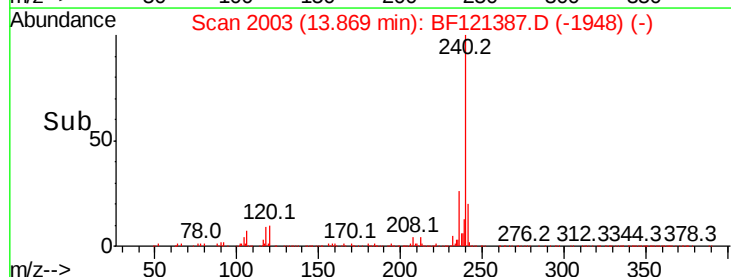
236 27.1 20.6 31.0

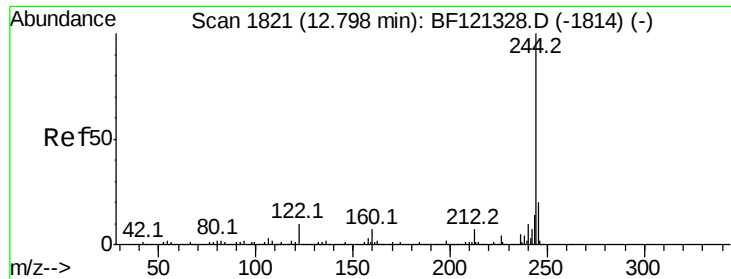


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

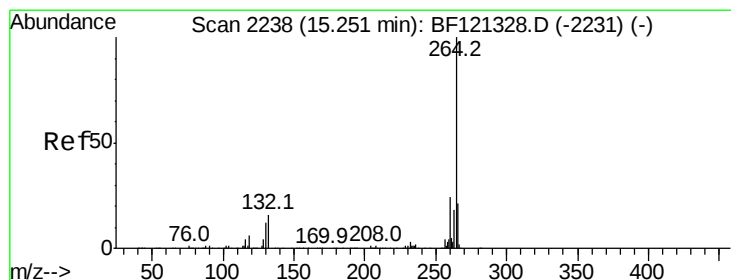
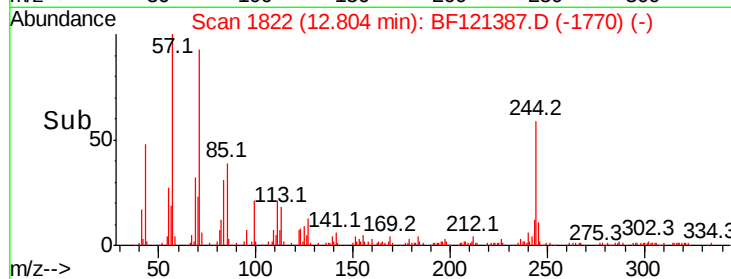
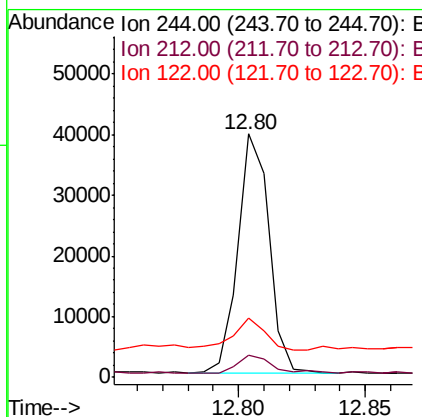
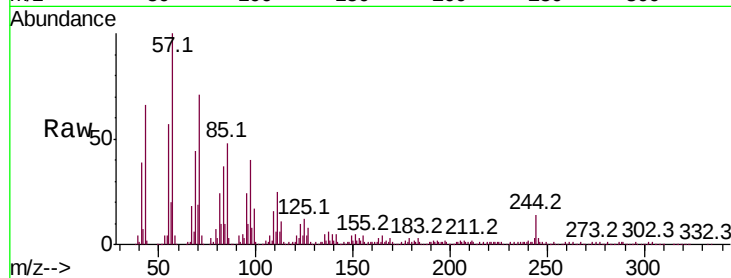




#79
 Terphenyl-d14
 Concen: 3.198 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: BF121387.D
 Acq: 22 Aug 2020 1:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.0	5.4	8.0#
122	24.1	7.8	11.8#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.05 min
 Lab File: BF121387.D
 Acq: 22 Aug 2020 1:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.8	17.1	25.7

