

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136341.D
 Acq On : 01 Dec 2023 16:59
 Operator : CG\JU
 Sample : 05366-02RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-14(10-15)

Quant Time: Dec 02 00:32:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

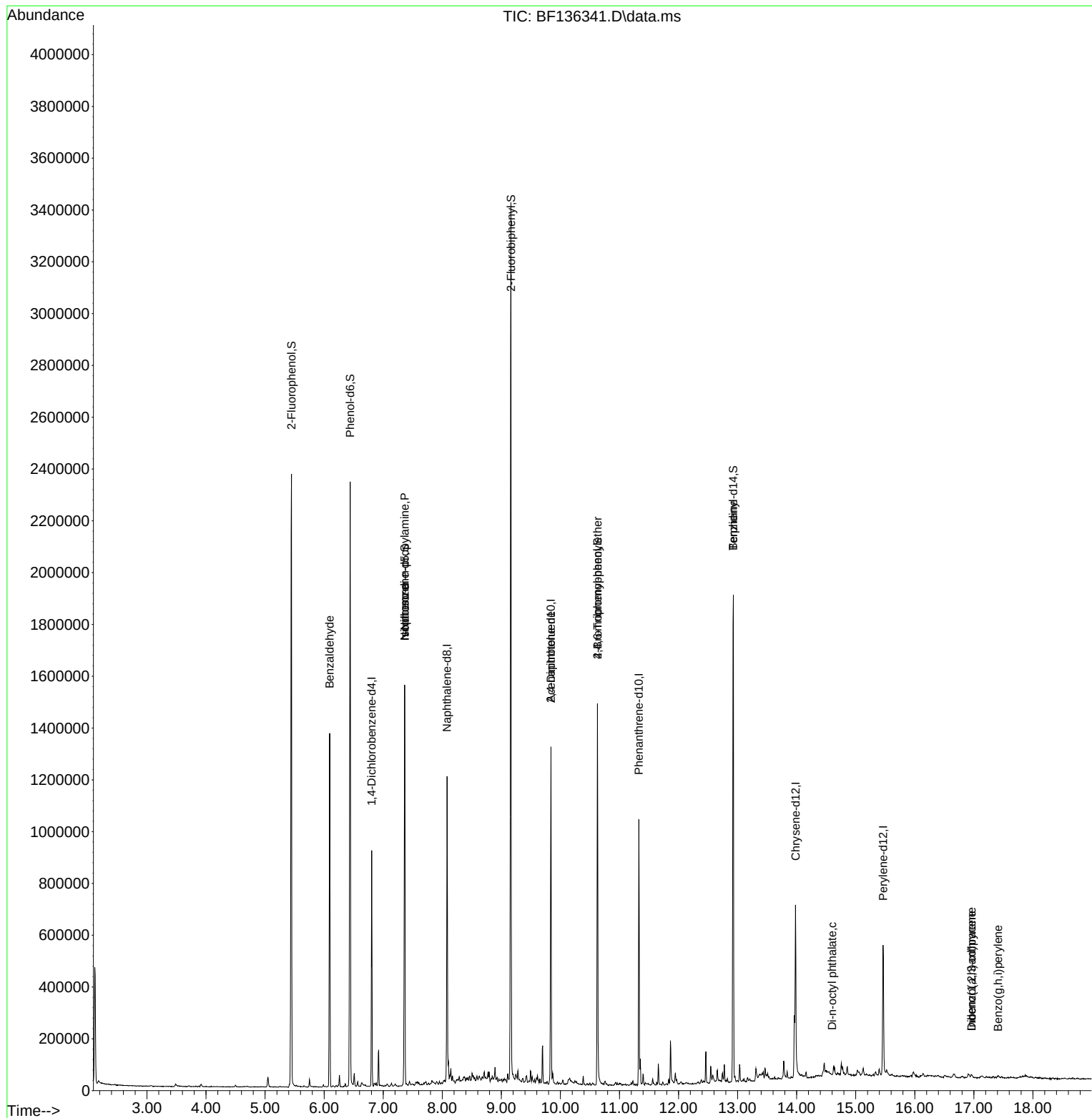
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	119042	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	499190	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	236987	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	350936	20.000	ng	0.00
76) Chrysene-d12	13.980	240	198010	20.000	ng	-0.01
86) Perylene-d12	15.463	264	238062	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	674478	78.861	ng	0.00
7) Phenol-d6	6.440	99	854033	79.860	ng	0.00
23) Nitrobenzene-d5	7.363	82	519558	54.999	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	179523	61.961	ng	-0.01
45) 2-Fluorobiphenyl	9.163	172	1044622	56.303	ng	0.00
79) Terphenyl-d14	12.927	244	699943	40.775	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.093	77	81166	13.618	ng	# 25
19) n-Nitroso-di-n-propyla...	7.363	70	67879	10.613	ng	# 76
25) Isophorone	7.363	82	517748	30.396	ng	# 68
57) 2,4-Dinitrotoluene	9.839	165	30565	6.253	ng	# 28
67) 4-Bromophenyl-phenylether	10.628	248	11002	2.687	ng	# 1
77) Benzidine	12.927	184	8342	2.563	ng	# 93
85) Di-n-octyl phthalate	14.598	149	375	5.188	ng	# 78
87) Indeno(1,2,3-cd)pyrene	16.962	276	10103	3.215	ng	97
91) Dibenzo(a,h)anthracene	16.962	278	1764	2.830	ng	# 69
92) Benzo(g,h,i)perylene	17.410	276	8688	2.483	ng	# 93

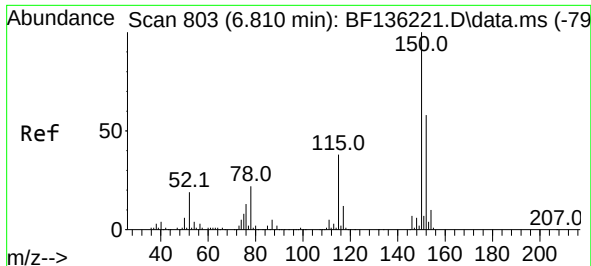
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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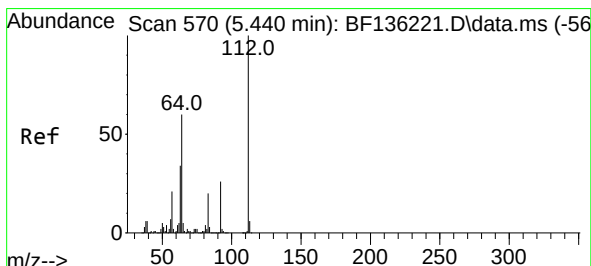
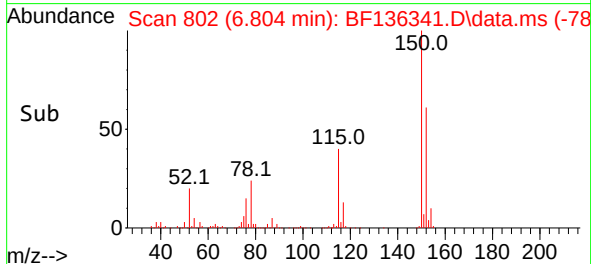
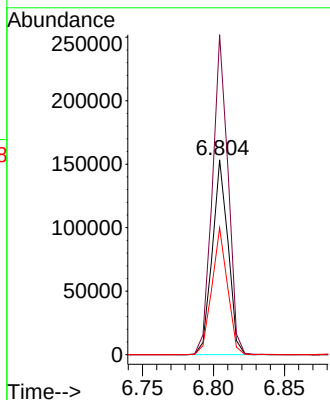
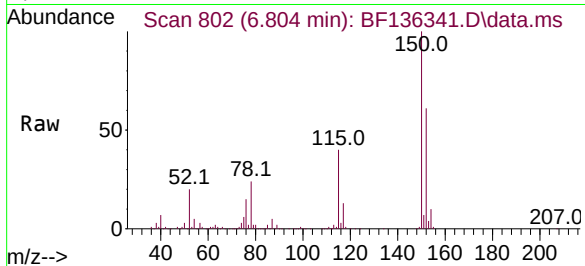




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136341.D
Acq: 01 Dec 2023 16:59

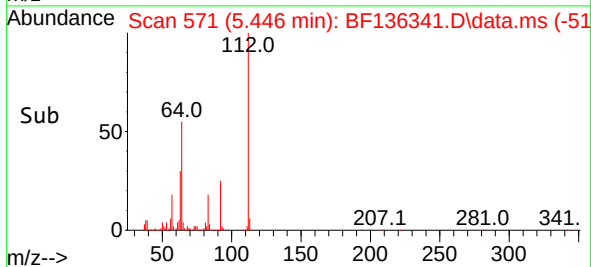
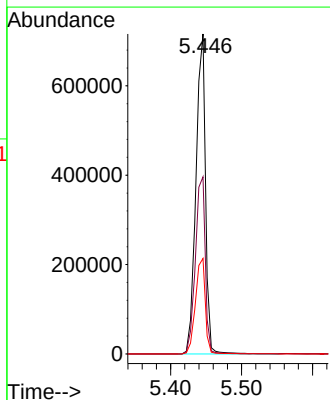
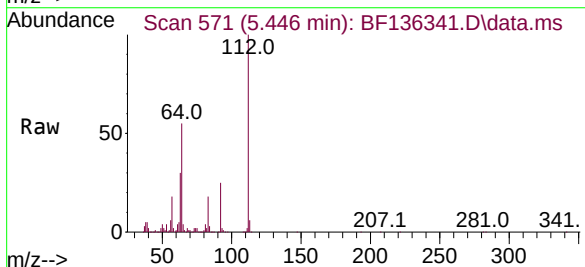
Instrument :
BNA_F
ClientSampleId :
P-14(10-15)

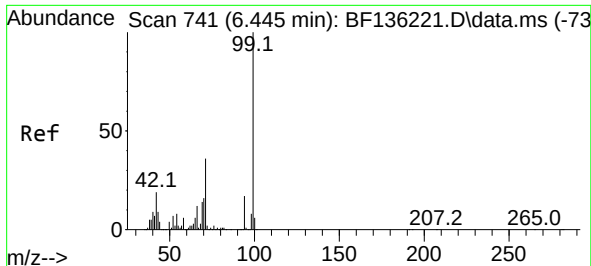
Tgt Ion:152 Resp: 119042
Ion Ratio Lower Upper
152 100
150 164.2 137.8 206.8
115 65.2 52.7 79.1



#5
2-Fluorophenol
Concen: 78.861 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF136341.D
Acq: 01 Dec 2023 16:59

Tgt Ion:112 Resp: 674478
Ion Ratio Lower Upper
112 100
64 55.4 48.2 72.4
63 29.9 27.0 40.6

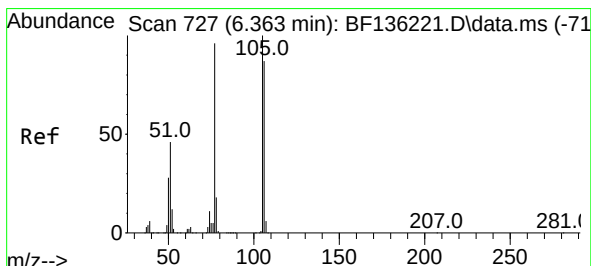
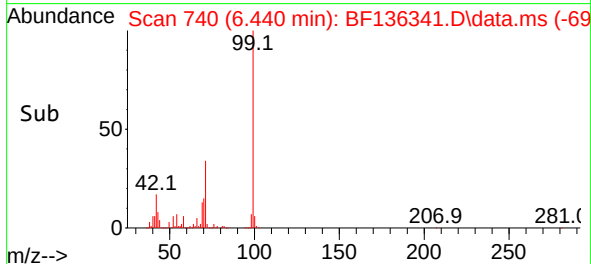
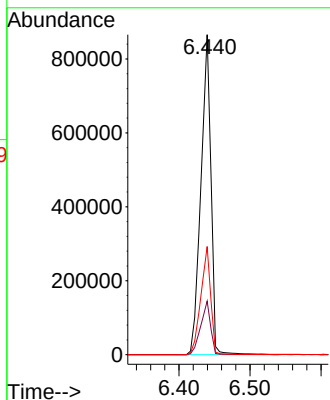
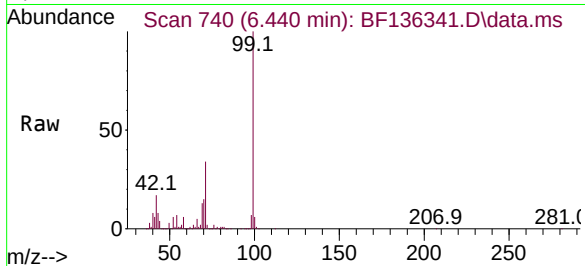




#7
Phenol-d6
Concen: 79.860 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136341.D
Acq: 01 Dec 2023 16:59

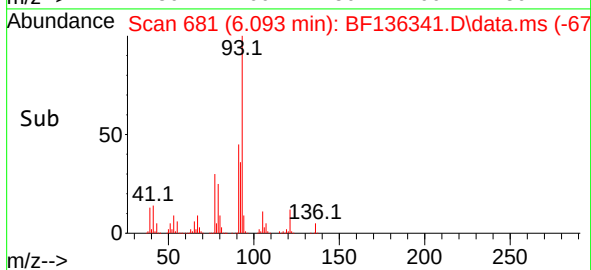
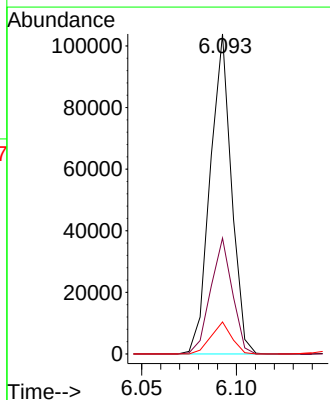
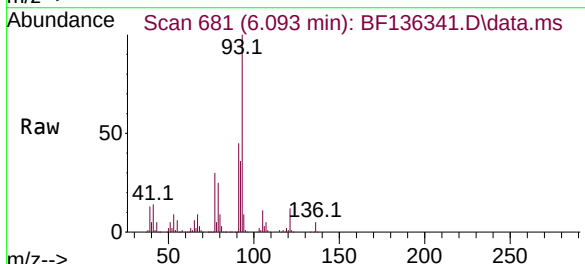
Instrument :
BNA_F
ClientSampleId :
P-14(10-15)

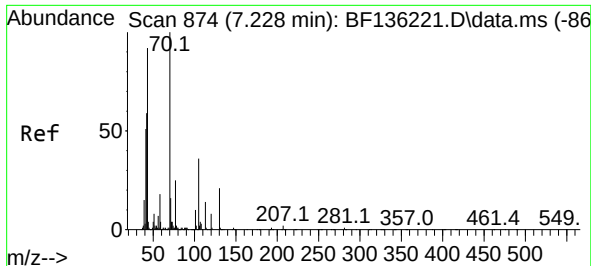
Tgt Ion: 99 Resp: 854033
Ion Ratio Lower Upper
99 100
42 16.8 15.0 22.6
71 33.8 28.9 43.3



#9
Benzaldehyde
Concen: 13.618 ng
RT: 6.093 min Scan# 681
Delta R.T. -0.270 min
Lab File: BF136341.D
Acq: 01 Dec 2023 16:59

Tgt Ion: 77 Resp: 81166
Ion Ratio Lower Upper
77 100
105 36.2 84.3 124.3#
106 10.0 71.0 111.0#

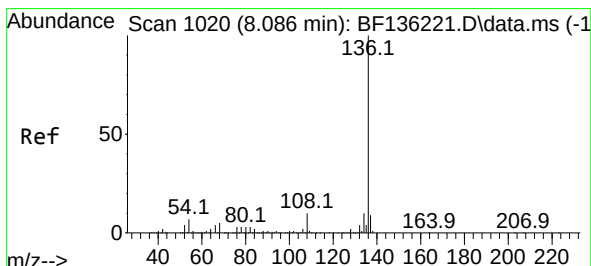
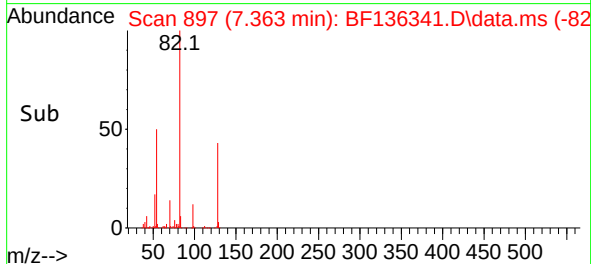
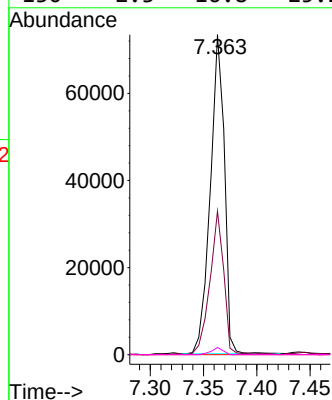
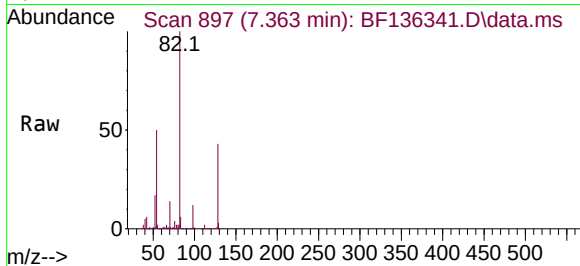




#19
n-Nitroso-di-n-propylamine
Concen: 10.613 ng
RT: 7.363 min Scan# 81
Delta R.T. 0.135 min
Lab File: BF136341.D
Acq: 01 Dec 2023 16:59

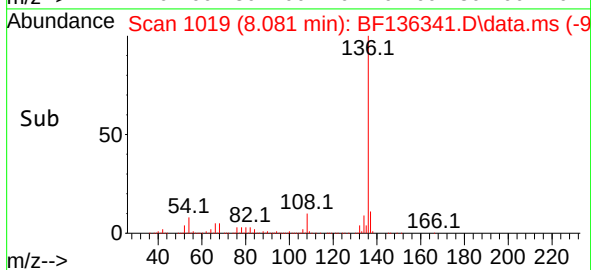
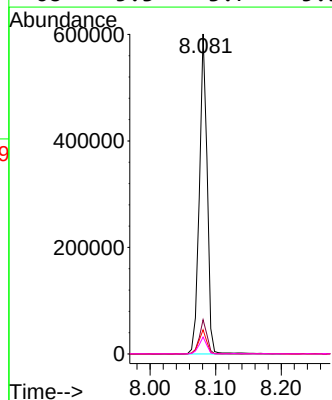
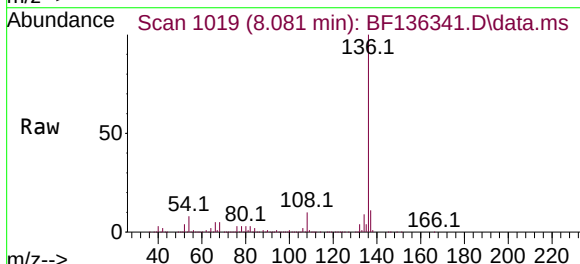
Instrument :
BNA_F
ClientSampleId :
P-14(10-15)

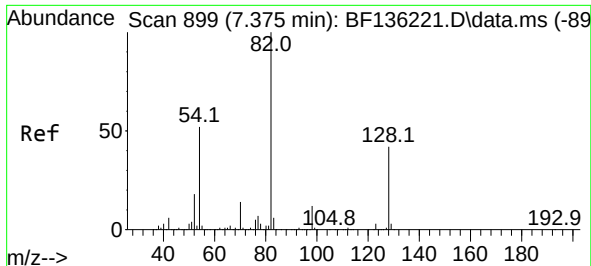
Tgt Ion: 70	Resp: 67879
Ion Ratio	Lower Upper
70 100	
42 44.8	47.0 70.4#
101 0.0	7.8 11.8#
130 2.3	16.8 25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136341.D
Acq: 01 Dec 2023 16:59

Tgt	Ion:136	Resp:	499190
Ion	Ratio	Lower	Upper
136	100		
137	10.7	7.4	11.2
54	7.6	5.5	8.3
68	5.3	3.7	5.5





#23

Nitrobenzene-d5

Concen: 54.999 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.012 min

Lab File: BF136341.D

Acq: 01 Dec 2023 16:59

Instrument :

BNA_F

ClientSampleId :

P-14(10-15)

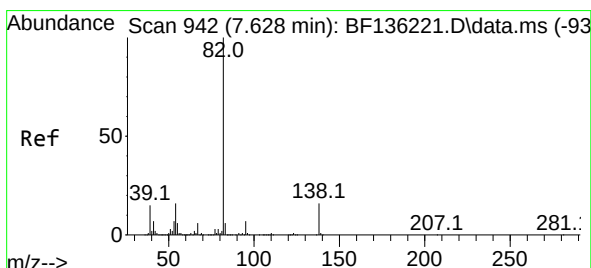
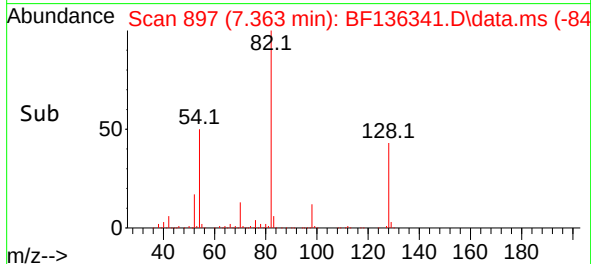
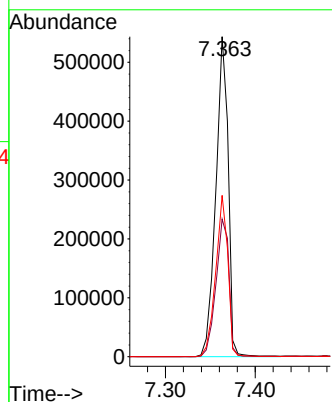
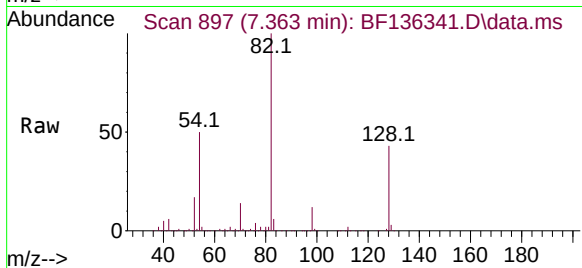
Tgt Ion: 82 Resp: 519558

Ion Ratio Lower Upper

82 100

128 43.0 33.4 50.2

54 50.4 41.7 62.5



#25

Isophorone

Concen: 30.396 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.264 min

Lab File: BF136341.D

Acq: 01 Dec 2023 16:59

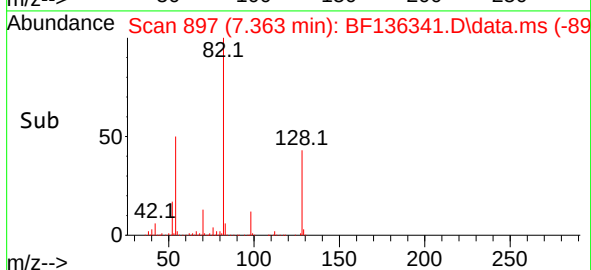
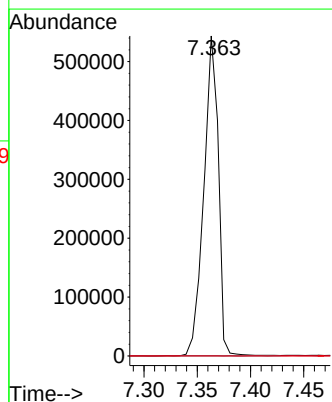
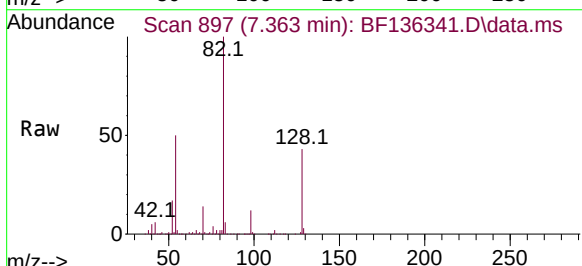
Tgt Ion: 82 Resp: 517748

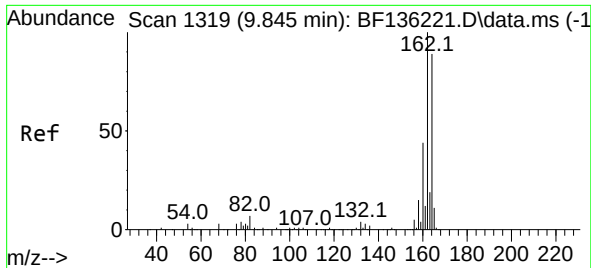
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 12.8 19.2#

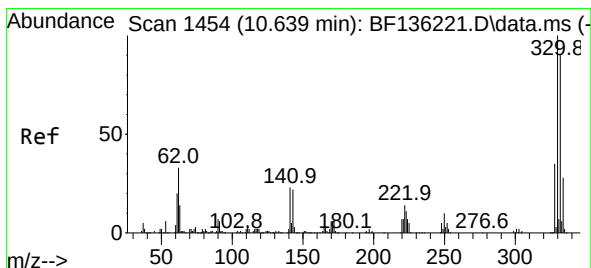
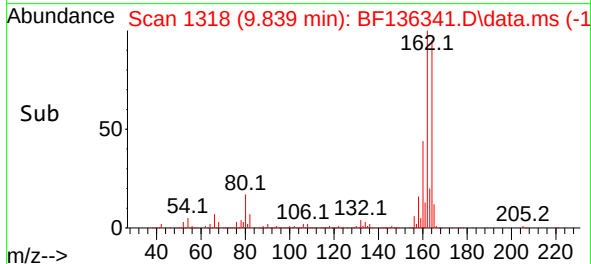
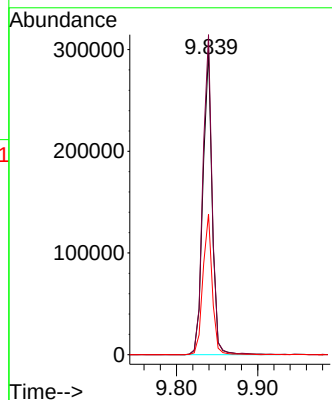
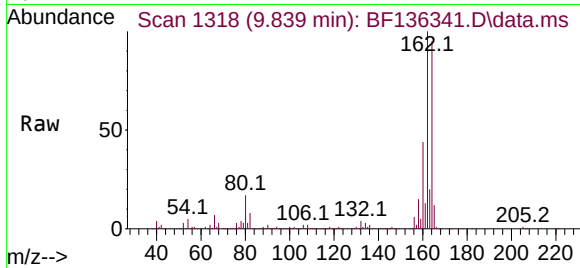




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136341.D
Acq: 01 Dec 2023 16:59

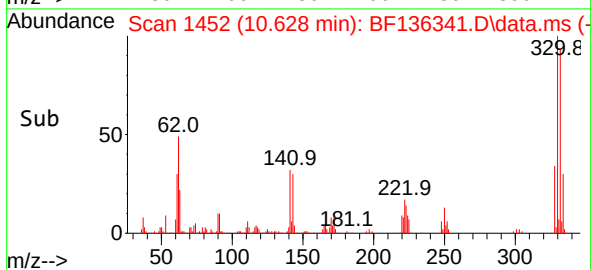
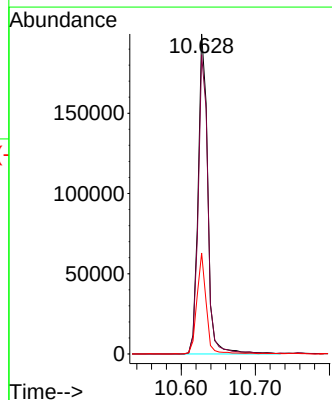
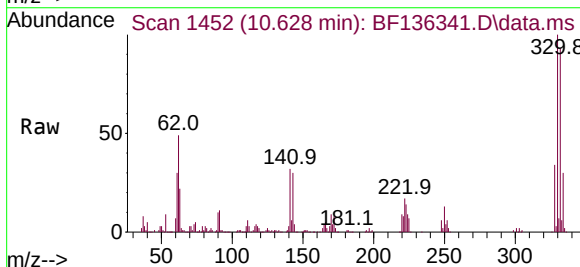
Instrument :
BNA_F
ClientSampleId :
P-14(10-15)

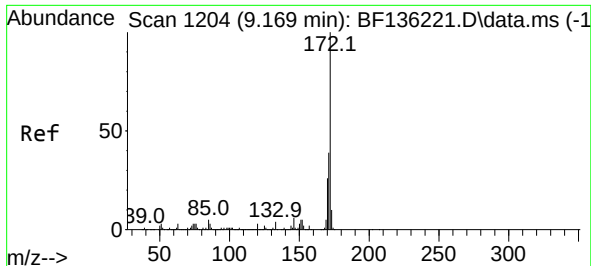
Tgt Ion:164 Resp: 236987
Ion Ratio Lower Upper
164 100
162 105.2 89.5 134.3
160 46.2 39.6 59.4



#42
2,4,6-Tribromophenol
Concen: 61.961 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF136341.D
Acq: 01 Dec 2023 16:59

Tgt Ion:330 Resp: 179523
Ion Ratio Lower Upper
330 100
332 94.9 73.0 109.6
141 30.5 24.2 36.2

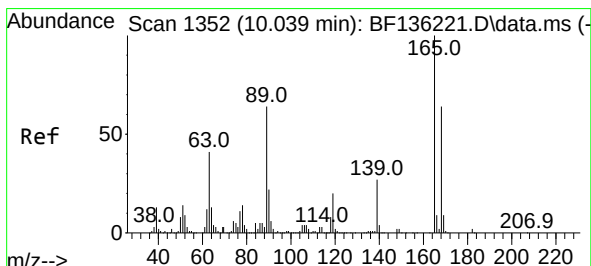
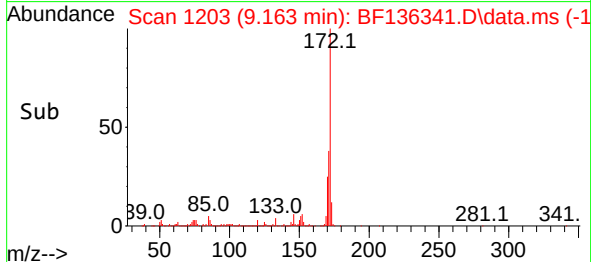
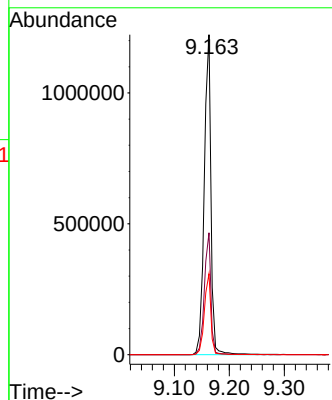
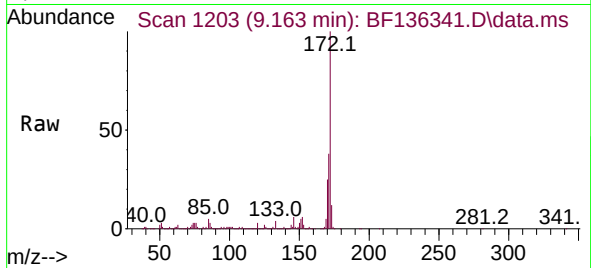




#45
2-Fluorobiphenyl
Concen: 56.303 ng
RT: 9.163 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136341.D
Acq: 01 Dec 2023 16:59

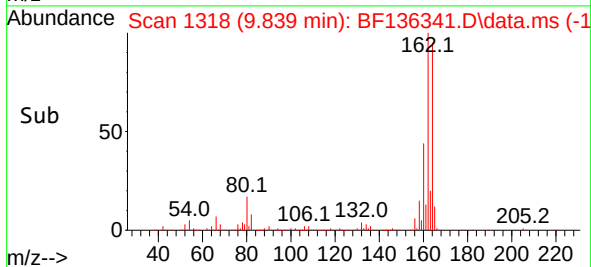
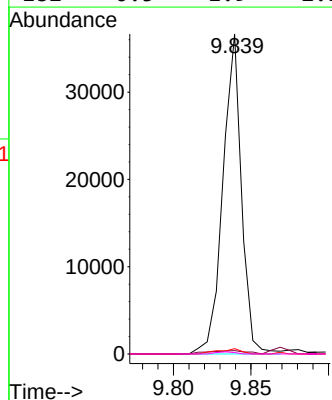
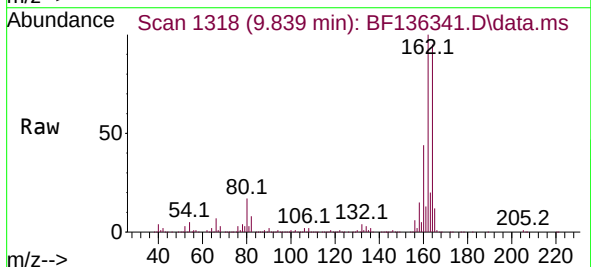
Instrument :
BNA_F
ClientSampleId :
P-14(10-15)

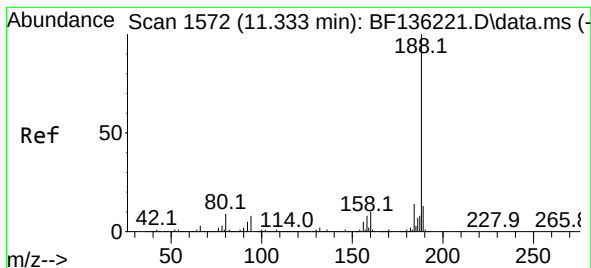
Tgt Ion:172 Resp: 1044622
Ion Ratio Lower Upper
172 100
171 38.1 31.5 47.3
170 25.3 20.8 31.2



#57
2,4-Dinitrotoluene
Concen: 6.253 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.200 min
Lab File: BF136341.D
Acq: 01 Dec 2023 16:59

Tgt Ion:165 Resp: 30565
Ion Ratio Lower Upper
165 100
63 1.1 33.0 49.4#
89 1.7 51.5 77.3#
182 0.5 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF136341.D

Acq: 01 Dec 2023 16:59

Instrument :

BNA_F

ClientSampleId :

P-14(10-15)

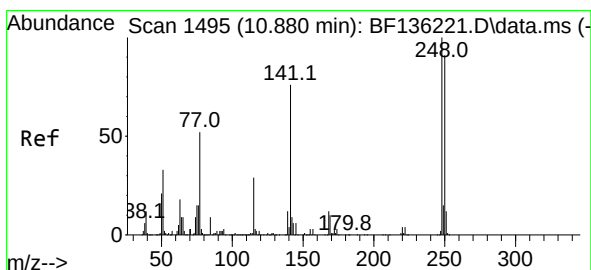
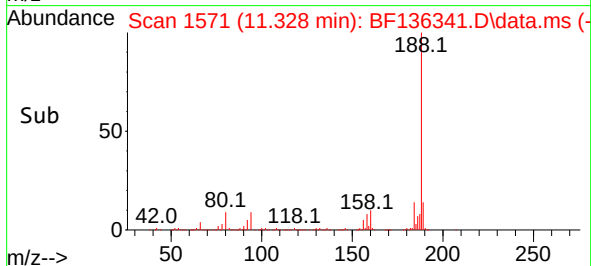
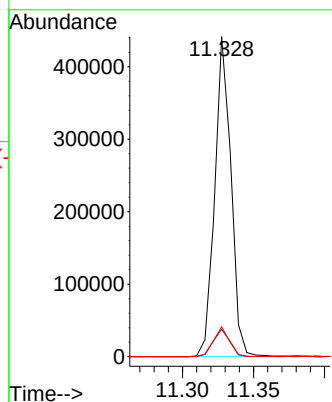
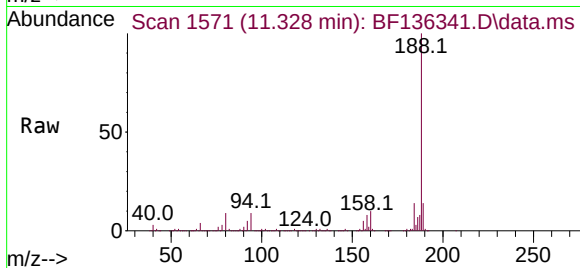
Tgt Ion:188 Resp: 350936

Ion Ratio Lower Upper

188 100

94 8.6 6.7 10.1

80 9.4 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 2.687 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.253 min

Lab File: BF136341.D

Acq: 01 Dec 2023 16:59

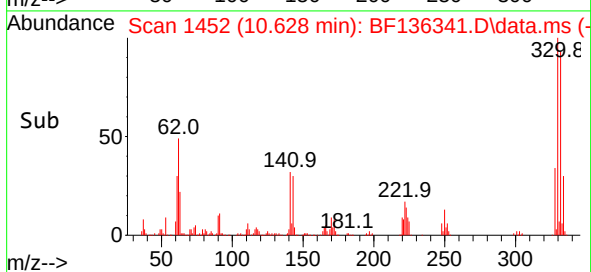
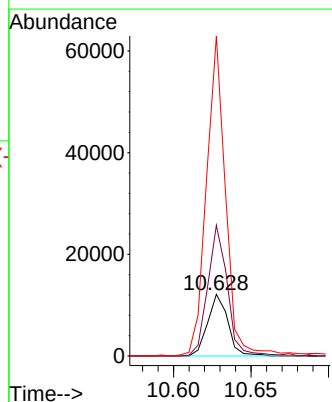
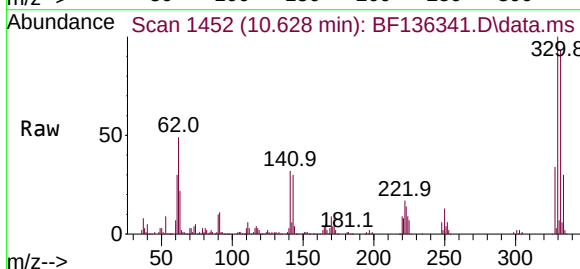
Tgt Ion:248 Resp: 11002

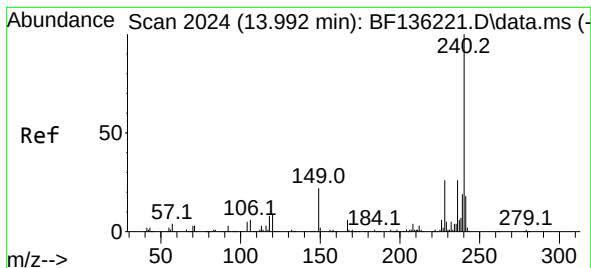
Ion Ratio Lower Upper

248 100

250 212.3 72.5 108.7#

141 519.5 60.8 91.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136341.D

Acq: 01 Dec 2023 16:59

Instrument :

BNA_F

ClientSampleId :

P-14(10-15)

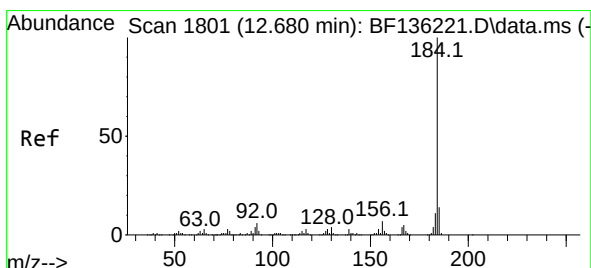
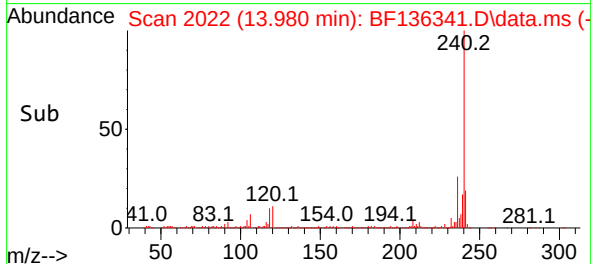
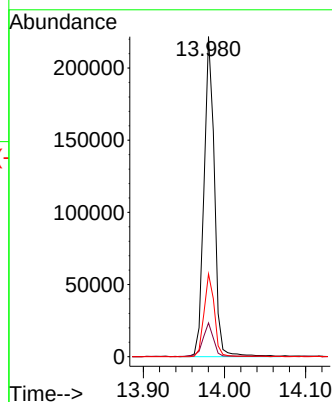
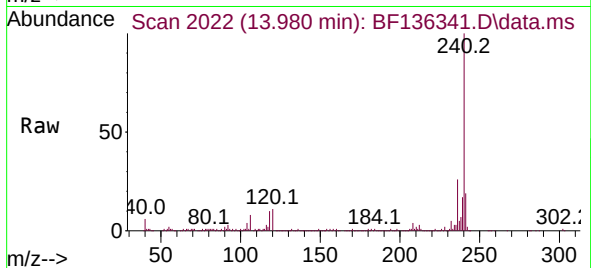
Tgt Ion:240 Resp: 198010

Ion Ratio Lower Upper

240 100

120 10.6 7.4 11.2

236 25.8 21.1 31.7



#77

Benzdine

Concen: 2.563 ng

RT: 12.927 min Scan# 1843

Delta R.T. 0.247 min

Lab File: BF136341.D

Acq: 01 Dec 2023 16:59

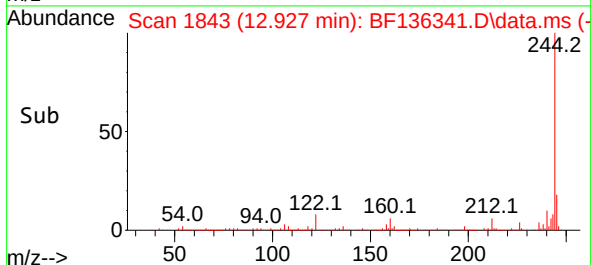
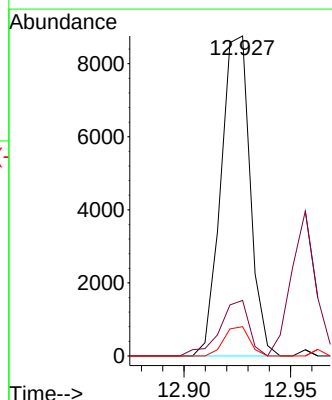
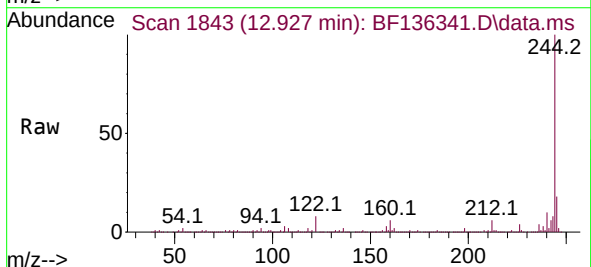
Tgt Ion:184 Resp: 8342

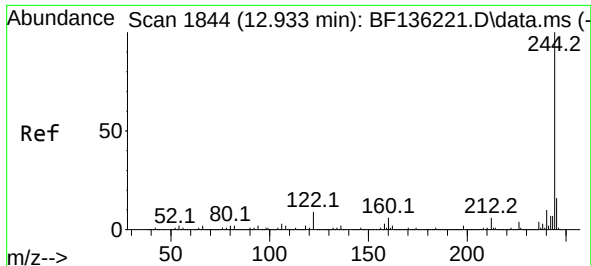
Ion Ratio Lower Upper

184 100

185 17.3 11.0 16.6#

183 9.1 9.0 13.4

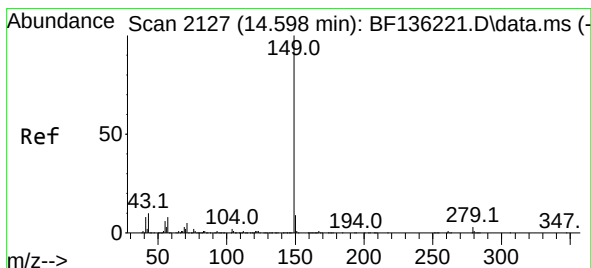
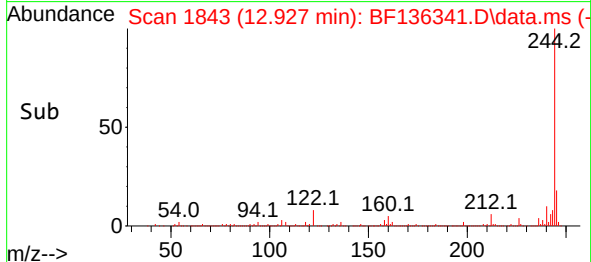
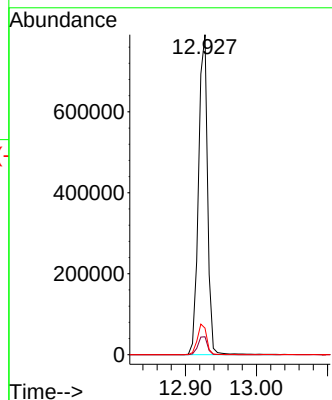
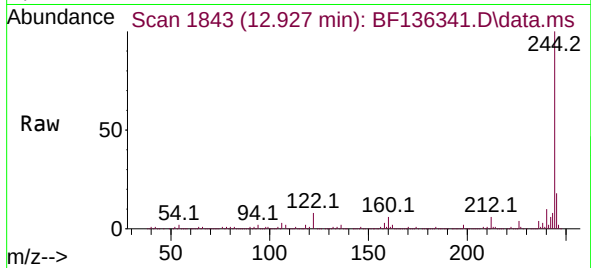




#79
 Terphenyl-d14
 Concen: 40.775 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF136341.D
 Acq: 01 Dec 2023 16:59

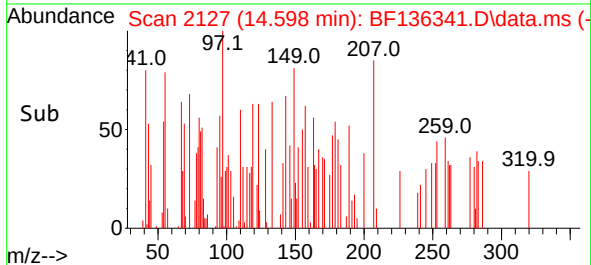
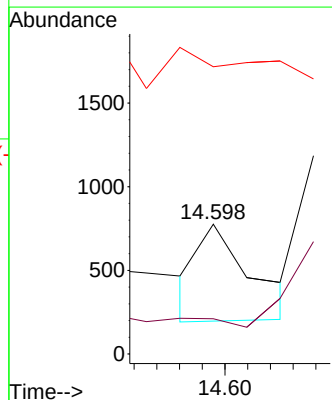
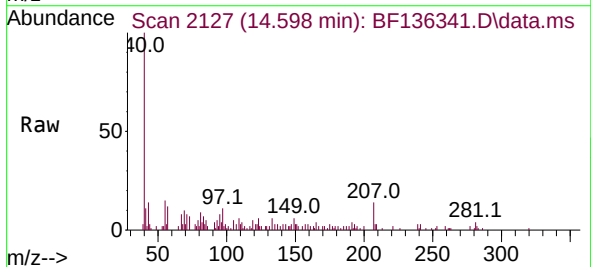
Instrument :
 BNA_F
 ClientSampleId :
 P-14(10-15)

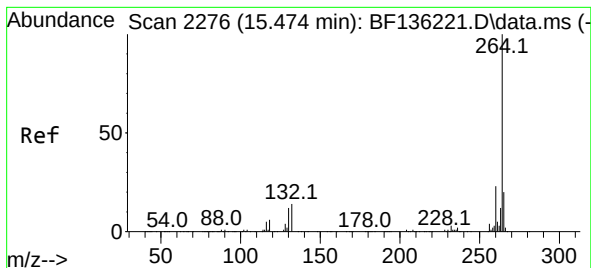
Tgt Ion:244 Resp: 699943
 Ion Ratio Lower Upper
 244 100
 212 5.6 4.6 7.0
 122 8.3 7.3 10.9



#85
 Di-n-octyl phthalate
 Concen: 5.188 ng
 RT: 14.598 min Scan# 2127
 Delta R.T. -0.000 min
 Lab File: BF136341.D
 Acq: 01 Dec 2023 16:59

Tgt Ion:149 Resp: 375
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.0 1.6#
 43 0.0 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.011 min

Lab File: BF136341.D

Acq: 01 Dec 2023 16:59

Instrument :

BNA_F

ClientSampleId :

P-14(10-15)

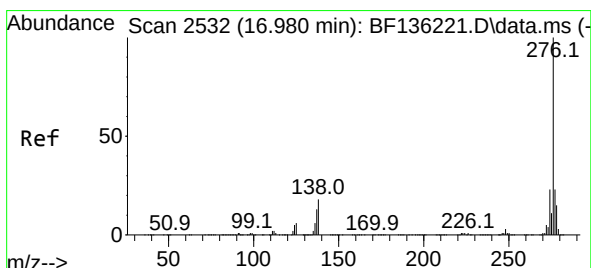
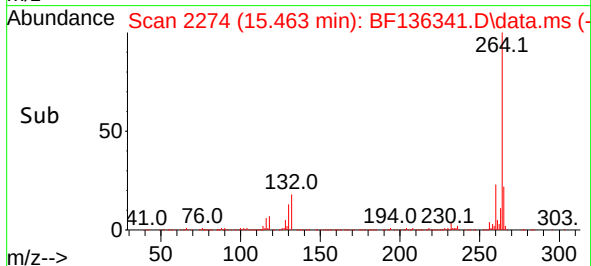
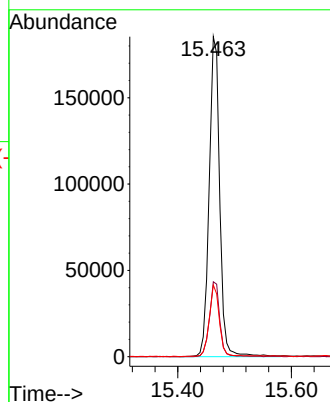
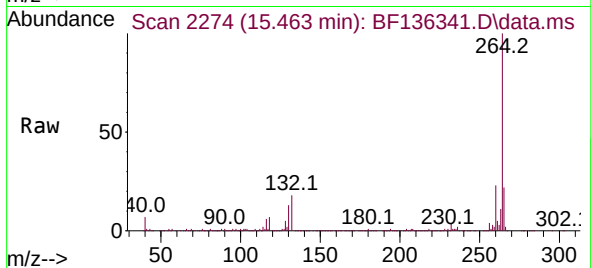
Tgt Ion:264 Resp: 238062

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 22.4 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.215 ng

RT: 16.962 min Scan# 2529

Delta R.T. -0.018 min

Lab File: BF136341.D

Acq: 01 Dec 2023 16:59

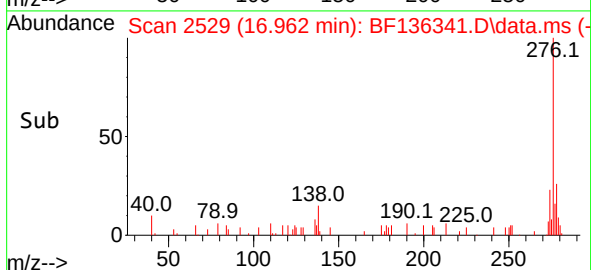
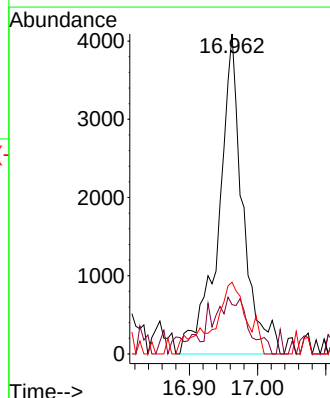
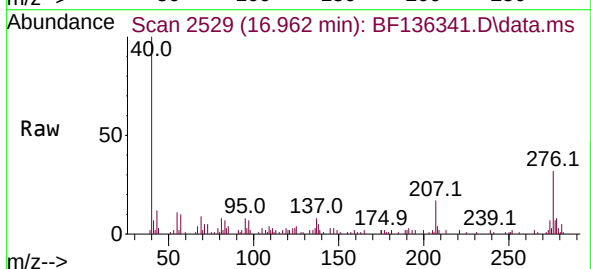
Tgt Ion:276 Resp: 10103

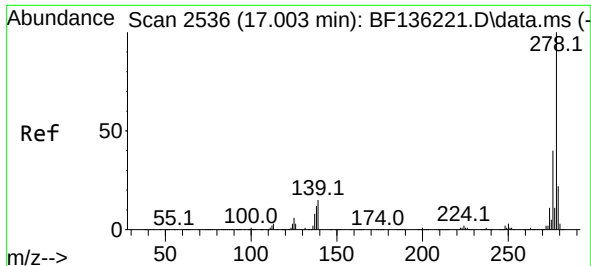
Ion Ratio Lower Upper

276 100

138 25.4 17.7 26.5

277 24.6 19.6 29.4

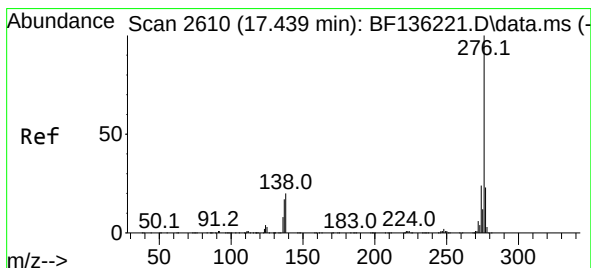
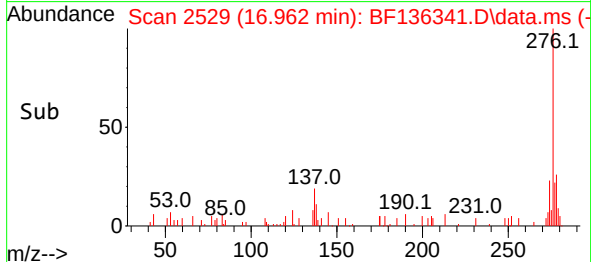
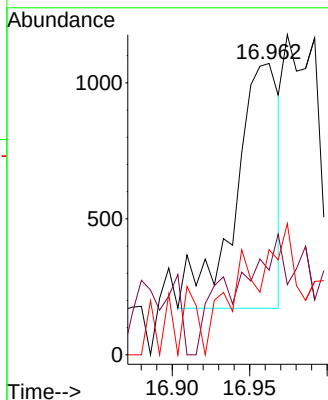
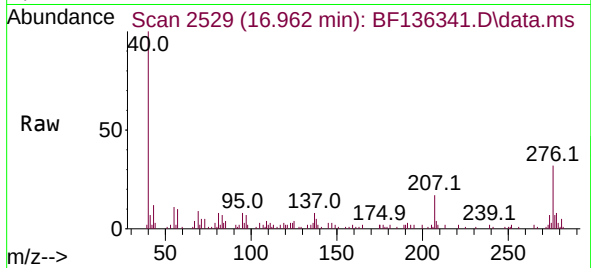




#91
Dibenzo(a,h)anthracene
Concen: 2.830 ng
RT: 16.962 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF136341.D
Acq: 01 Dec 2023 16:59

Instrument :
BNA_F
ClientSampleId :
P-14(10-15)

Tgt Ion:278 Resp: 1764
Ion Ratio Lower Upper
278 100
139 29.0 11.7 17.5#
279 36.0 17.8 26.8#



#92
Benzo(g,h,i)perylene
Concen: 2.483 ng
RT: 17.410 min Scan# 2605
Delta R.T. -0.029 min
Lab File: BF136341.D
Acq: 01 Dec 2023 16:59

Tgt Ion:276 Resp: 8688
Ion Ratio Lower Upper
276 100
277 22.3 18.6 27.8
138 25.4 15.8 23.8#

