

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
 Data File : BF140144.D
 Acq On : 30 Oct 2024 06:24
 Operator : RC/JU
 Sample : P4594-16
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Oct 30 06:49:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

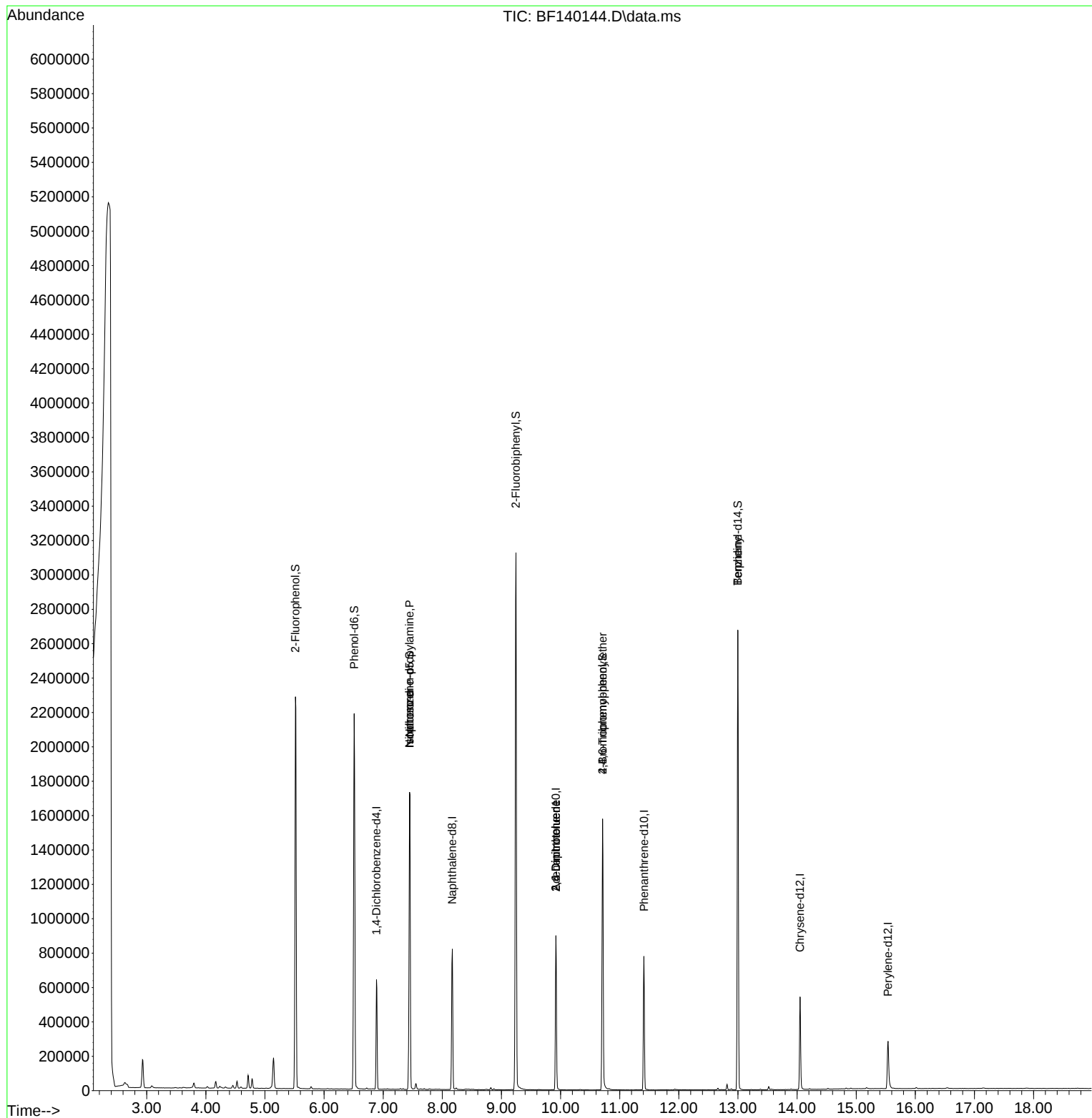
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	128166	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	503091	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	268045	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	412129	20.000	ng	0.00
76) Chrysene-d12	14.051	240	261160	20.000	ng	0.00
86) Perylene-d12	15.539	264	194687	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	886486	108.280	ng	0.02
7) Phenol-d6	6.510	99	1054579	99.456	ng	0.00
23) Nitrobenzene-d5	7.445	82	843783	92.956	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	278801	111.200	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1488821	91.797	ng	0.00
79) Terphenyl-d14	12.998	244	1338489	83.514	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	113850	17.703	ng	# 78
25) Isophorone	7.445	82	838577	48.674	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	34251	9.475	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	34252	7.705	ng	# 21
67) 4-Bromophenyl-phenylether	10.710	248	18104	4.264	ng	# 1
77) Benzidine	12.998	184	17458	4.065	ng	# 94

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

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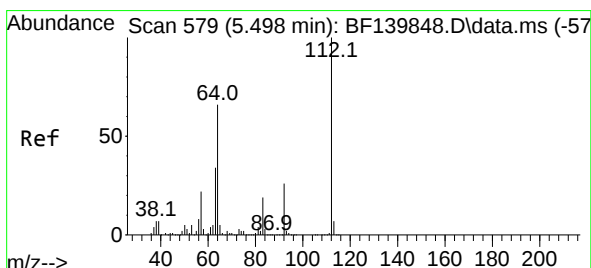
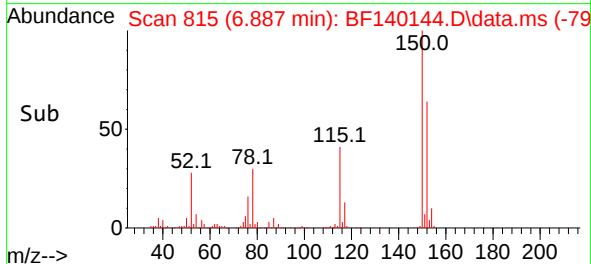
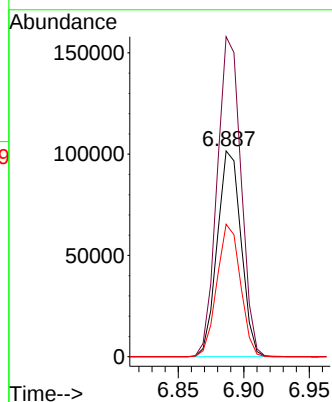
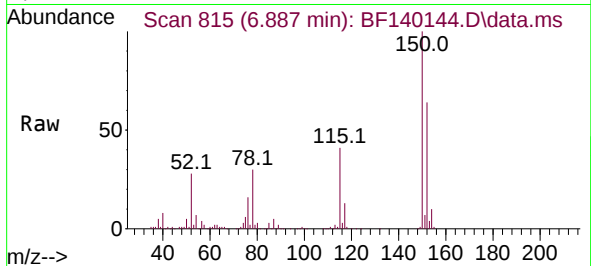




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140144.D
Acq: 30 Oct 2024 06:24

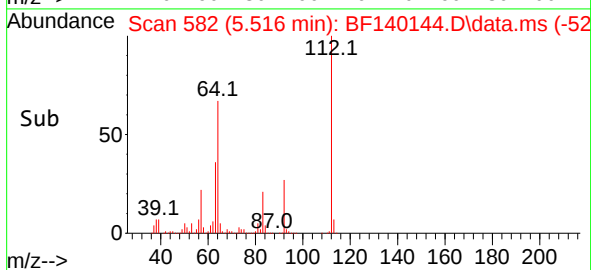
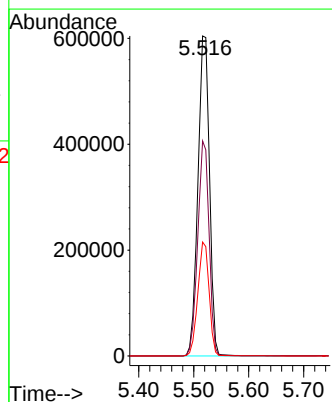
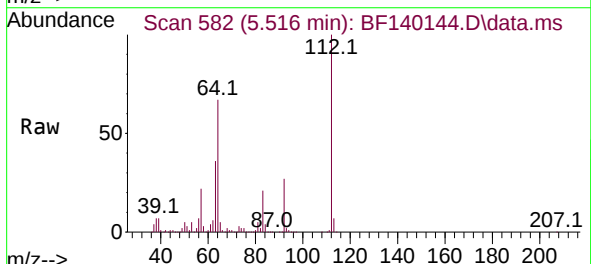
Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:152 Resp: 128166
Ion Ratio Lower Upper
152 100
150 155.5 130.2 195.2
115 64.4 51.4 77.2



#5
2-Fluorophenol
Concen: 108.280 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140144.D
Acq: 30 Oct 2024 06:24

Tgt Ion:112 Resp: 886486
Ion Ratio Lower Upper
112 100
64 67.2 53.0 79.6
63 35.6 27.0 40.4



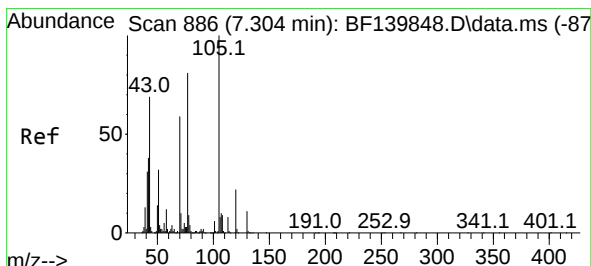
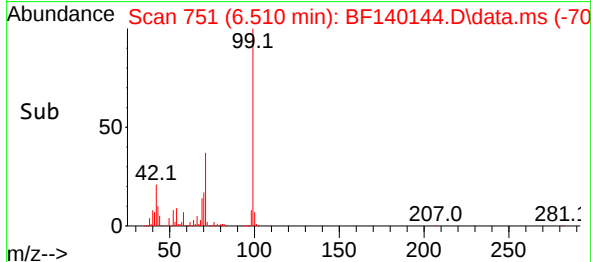
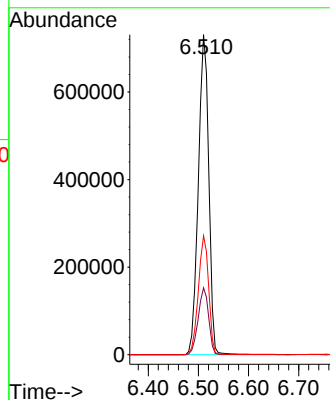
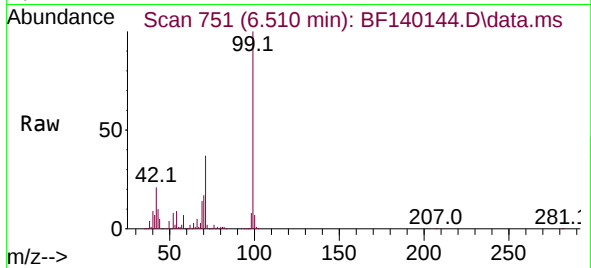


#7
Phenol-d6
Concen: 99.456 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF140144.D
Acq: 30 Oct 2024 06:24

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 99 Resp: 1054579

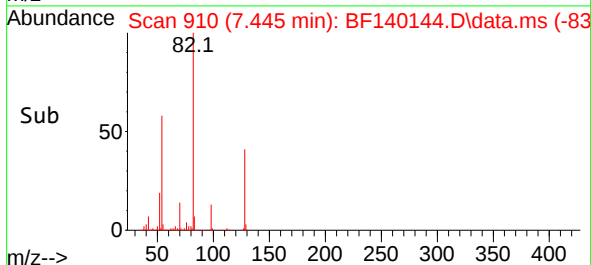
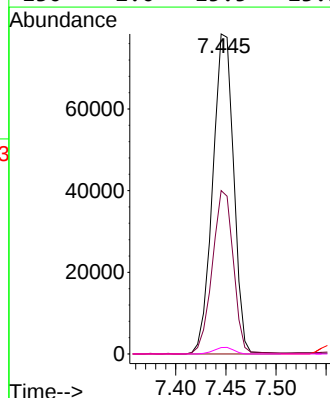
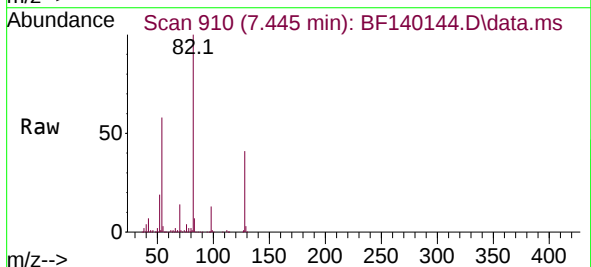
Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.7	25.1
71	37.1	27.7	41.5



#19
n-Nitroso-di-n-propylamine
Concen: 17.703 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140144.D
Acq: 30 Oct 2024 06:24

Tgt Ion: 70 Resp: 113850

Ion	Ratio	Lower	Upper
70	100		
42	51.1	51.5	77.3#
101	0.0	7.5	11.3#
130	2.0	15.5	23.3#



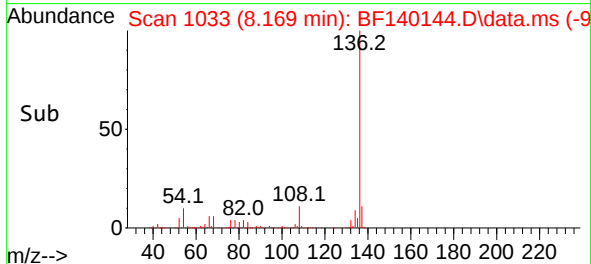
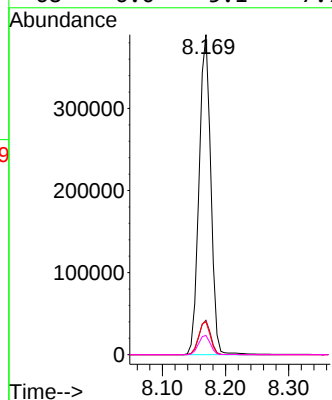
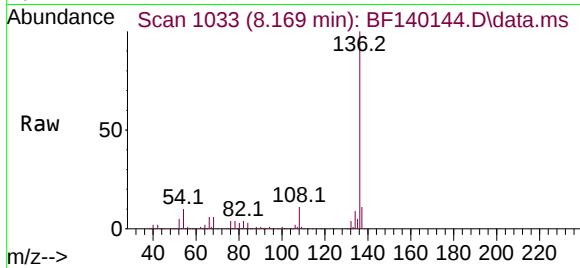


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF140144.D
Acq: 30 Oct 2024 06:24

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:136 Resp: 503091

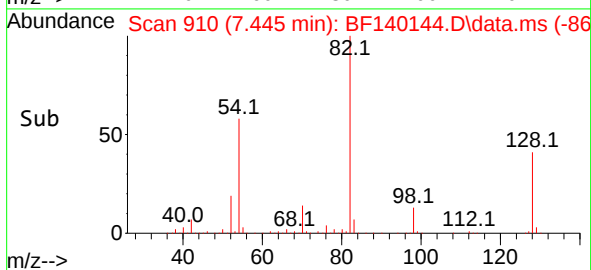
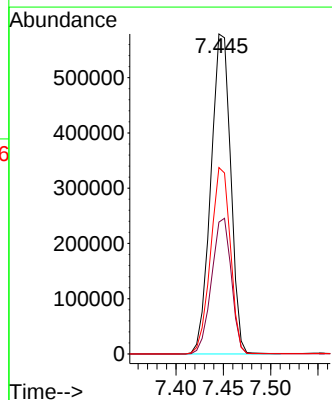
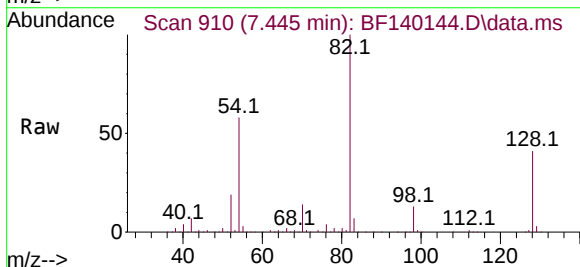
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	10.2	8.4	12.6
68	6.0	5.1	7.7



#23
Nitrobenzene-d5
Concen: 92.956 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140144.D
Acq: 30 Oct 2024 06:24

Tgt Ion: 82 Resp: 843783

Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.4	50.0
54	58.2	47.8	71.8

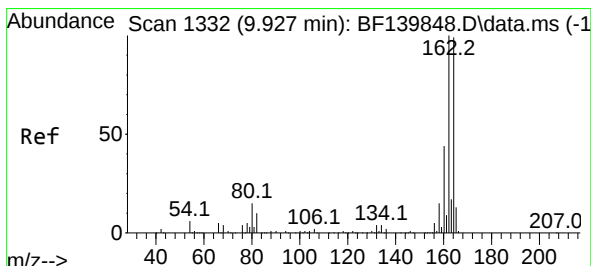
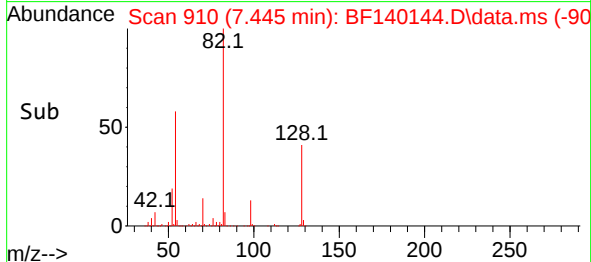
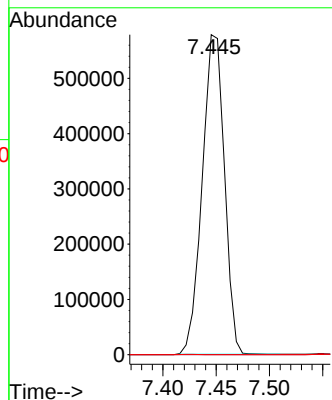
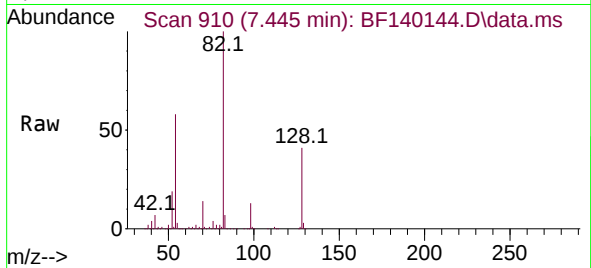




#25
Isophorone
Concen: 48.674 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF140144.D
Acq: 30 Oct 2024 06:24

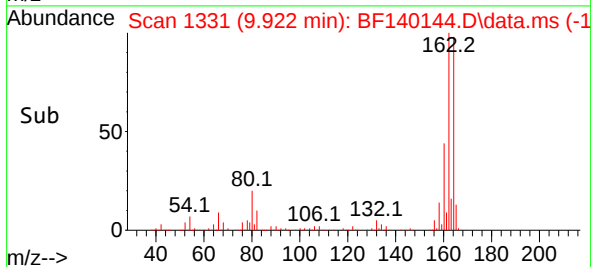
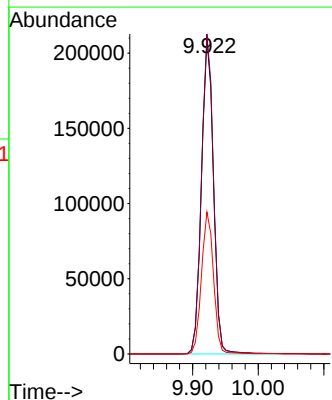
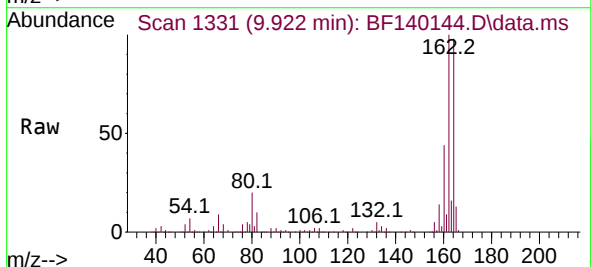
Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 82 Resp: 838577
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140144.D
Acq: 30 Oct 2024 06:24

Tgt Ion:164 Resp: 268045
Ion Ratio Lower Upper
164 100
162 101.7 81.0 121.4
160 45.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 111.200 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF140144.D

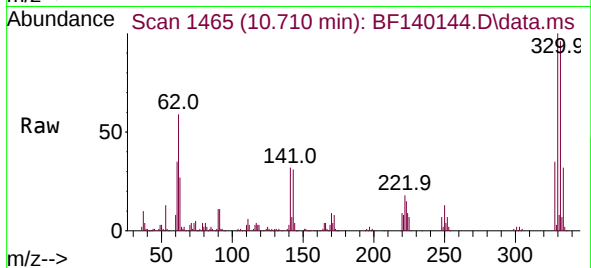
Acq: 30 Oct 2024 06:24

Instrument :

BNA_F

ClientSampleId :

TP-5



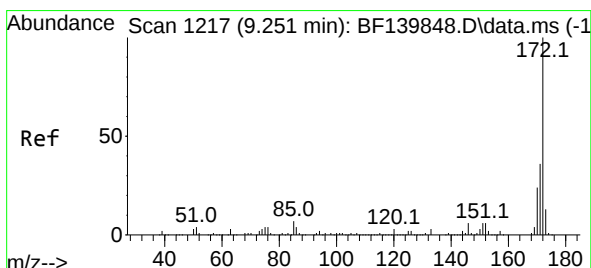
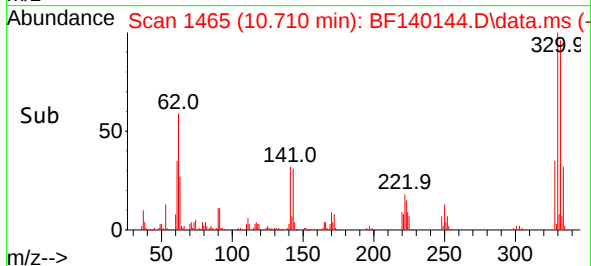
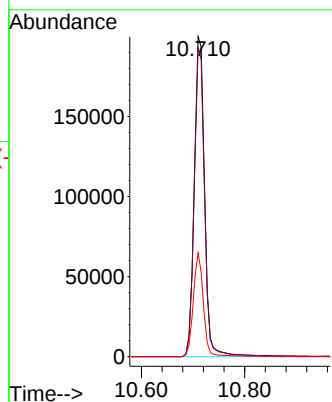
Tgt Ion:330 Resp: 278801

Ion Ratio Lower Upper

330 100

332 96.7 78.1 117.1

141 31.5 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 91.797 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140144.D

Acq: 30 Oct 2024 06:24

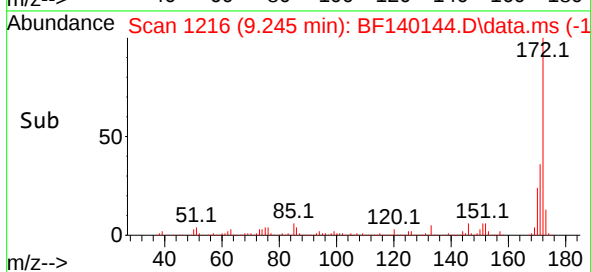
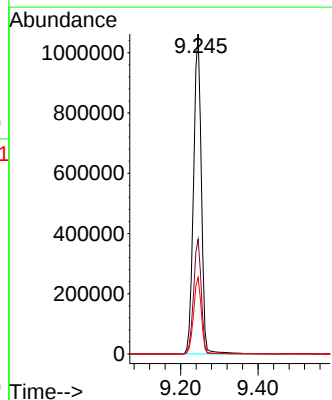
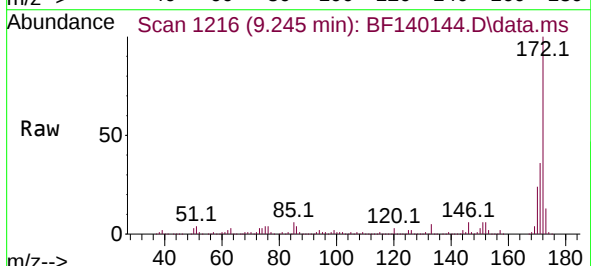
Tgt Ion:172 Resp: 1488821

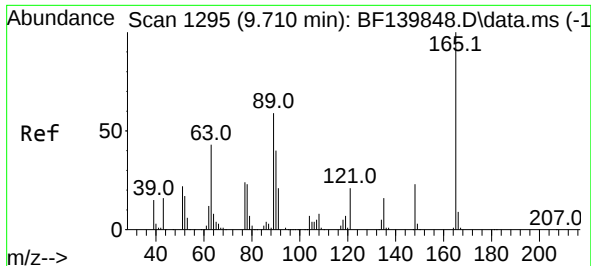
Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 23.9 19.1 28.7

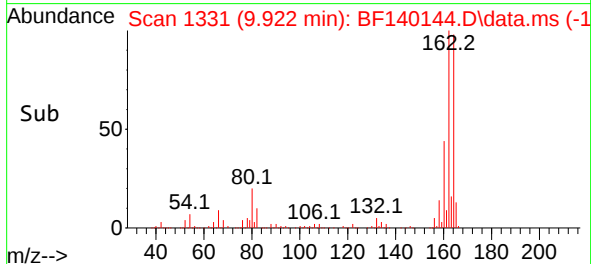
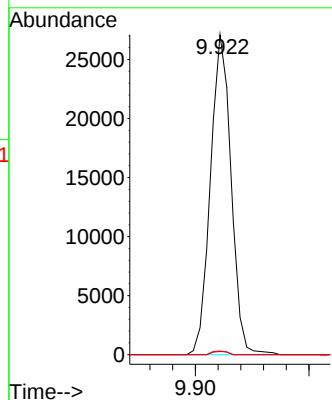
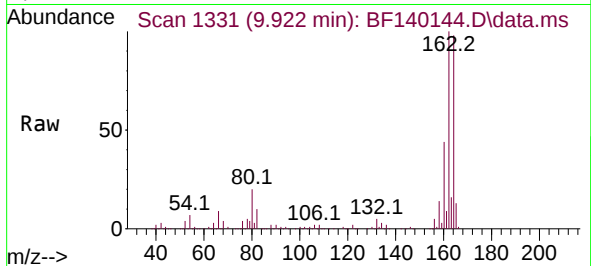




#51
2,6-Dinitrotoluene
Concen: 9.475 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140144.D
Acq: 30 Oct 2024 06:24

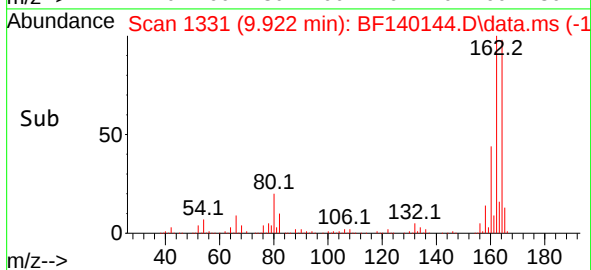
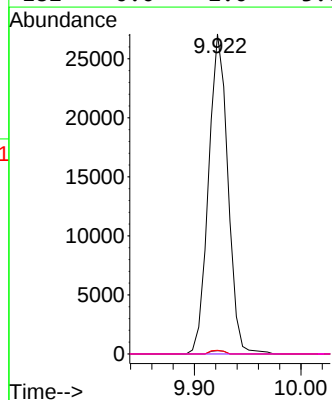
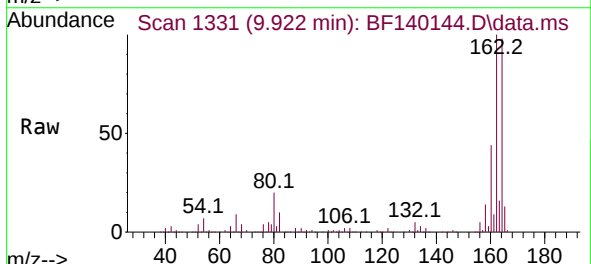
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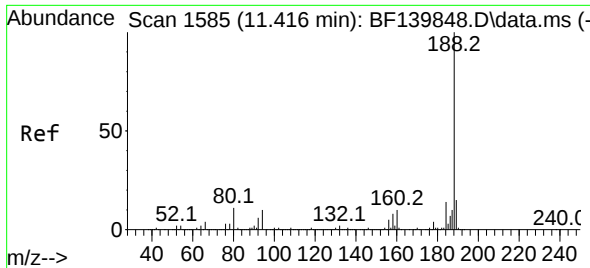
Tgt Ion:165 Resp: 34251
Ion Ratio Lower Upper
165 100
63 1.0 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.705 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140144.D
Acq: 30 Oct 2024 06:24

Tgt Ion:165 Resp: 34252
Ion Ratio Lower Upper
165 100
63 1.0 40.1 60.1#
89 1.2 60.4 90.6#
182 0.0 2.0 3.0#

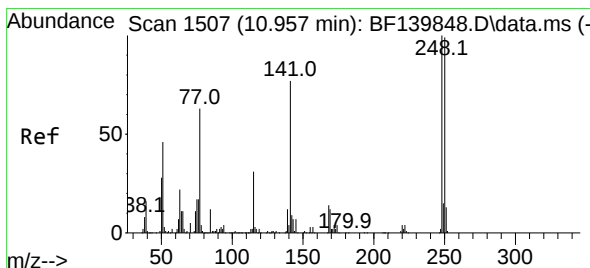
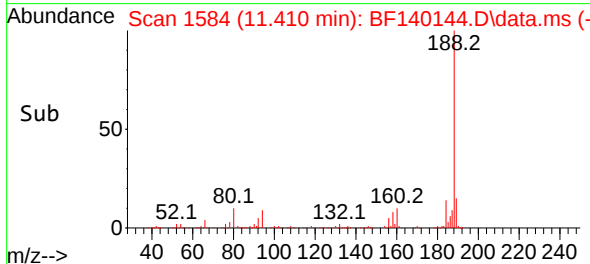
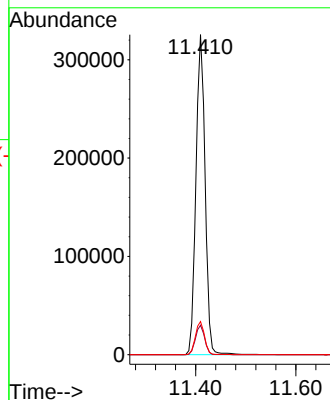
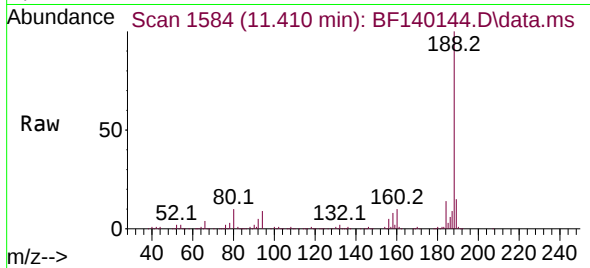




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140144.D
Acq: 30 Oct 2024 06:24

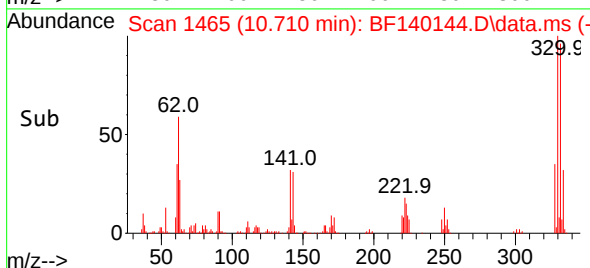
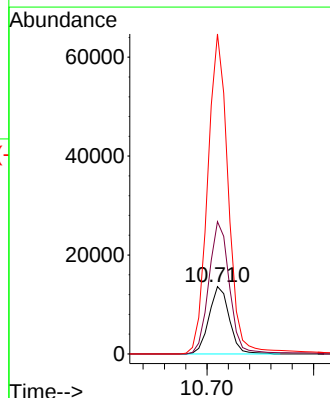
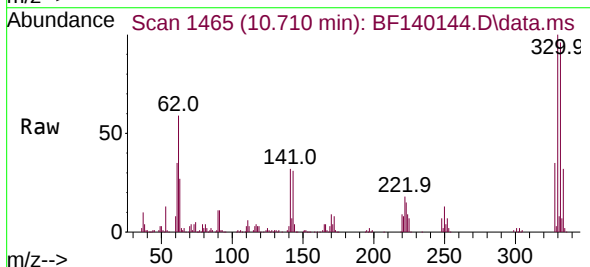
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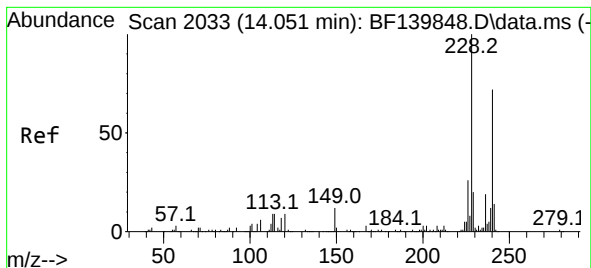
Tgt Ion:188 Resp: 412129
Ion Ratio Lower Upper
188 100
94 9.2 7.9 11.9
80 10.3 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 4.264 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF140144.D
Acq: 30 Oct 2024 06:24

Tgt Ion:248 Resp: 18104
Ion Ratio Lower Upper
248 100
250 196.5 79.0 118.6#
141 475.2 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140144.D

Acq: 30 Oct 2024 06:24

Instrument :

BNA_F

ClientSampleId :

TP-5

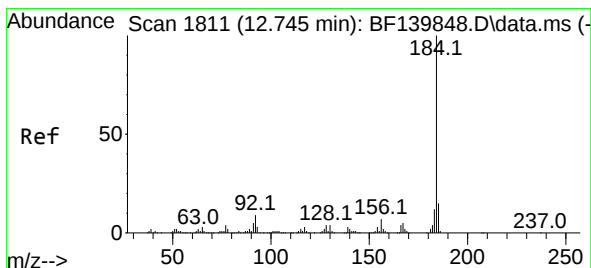
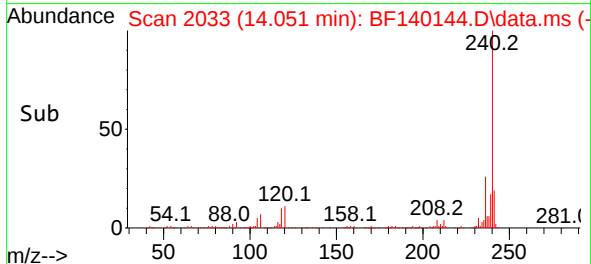
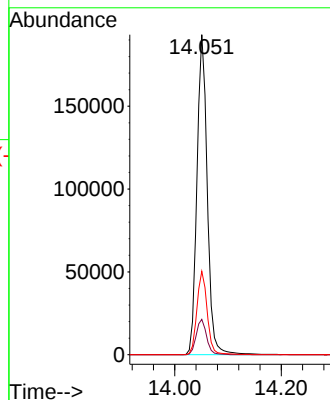
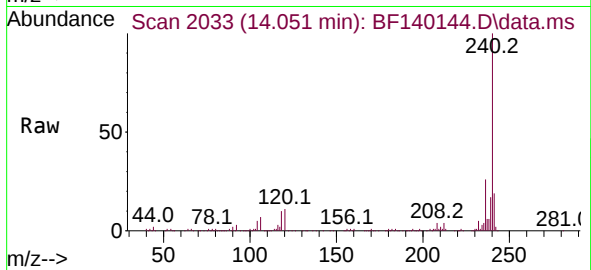
Tgt Ion:240 Resp: 261160

Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.2

236 26.1 20.9 31.3



#77

Benzdine

Concen: 4.065 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF140144.D

Acq: 30 Oct 2024 06:24

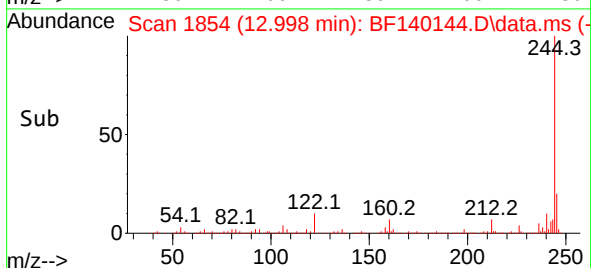
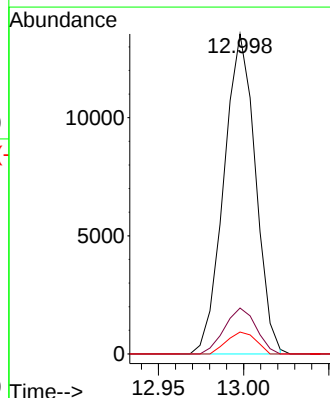
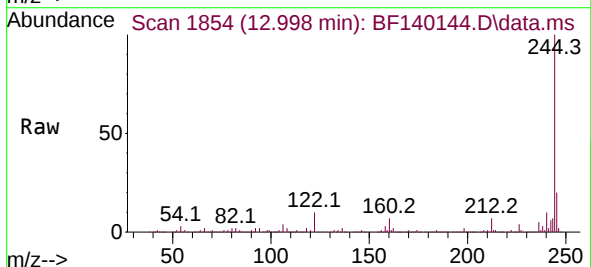
Tgt Ion:184 Resp: 17458

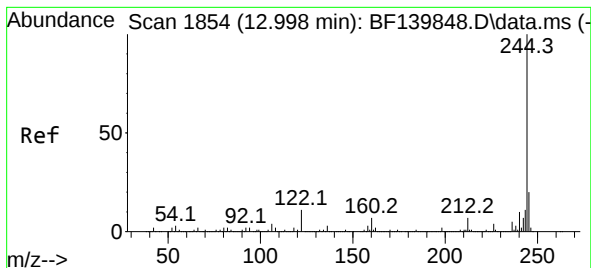
Ion Ratio Lower Upper

184 100

185 14.4 12.0 18.0

183 6.9 9.4 14.2#





#79

Terphenyl-d14

Concen: 83.514 ng

RT: 12.998 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140144.D

Acq: 30 Oct 2024 06:24

Instrument :

BNA_F

ClientSampleId :

TP-5

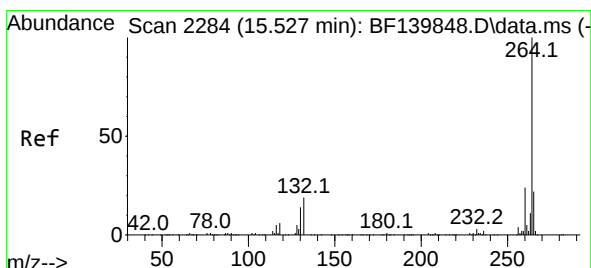
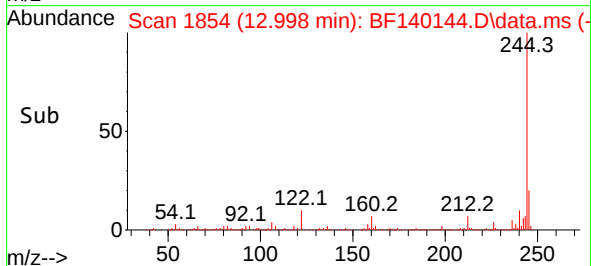
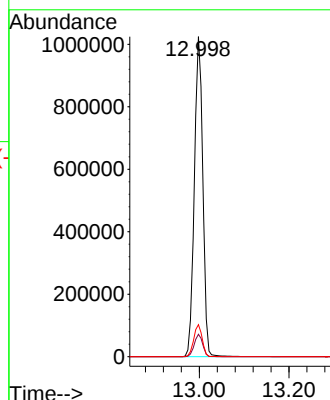
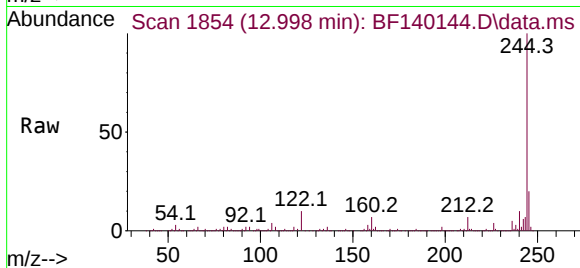
Tgt Ion:244 Resp: 1338489

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 10.0 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. 0.012 min

Lab File: BF140144.D

Acq: 30 Oct 2024 06:24

Tgt Ion:264 Resp: 194687

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 21.3 17.4 26.0

