

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
 Data File : BF140090.D
 Acq On : 28 Oct 2024 16:39
 Operator : RC/JU
 Sample : P4574-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-2

Quant Time: Oct 28 17:15:27 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)

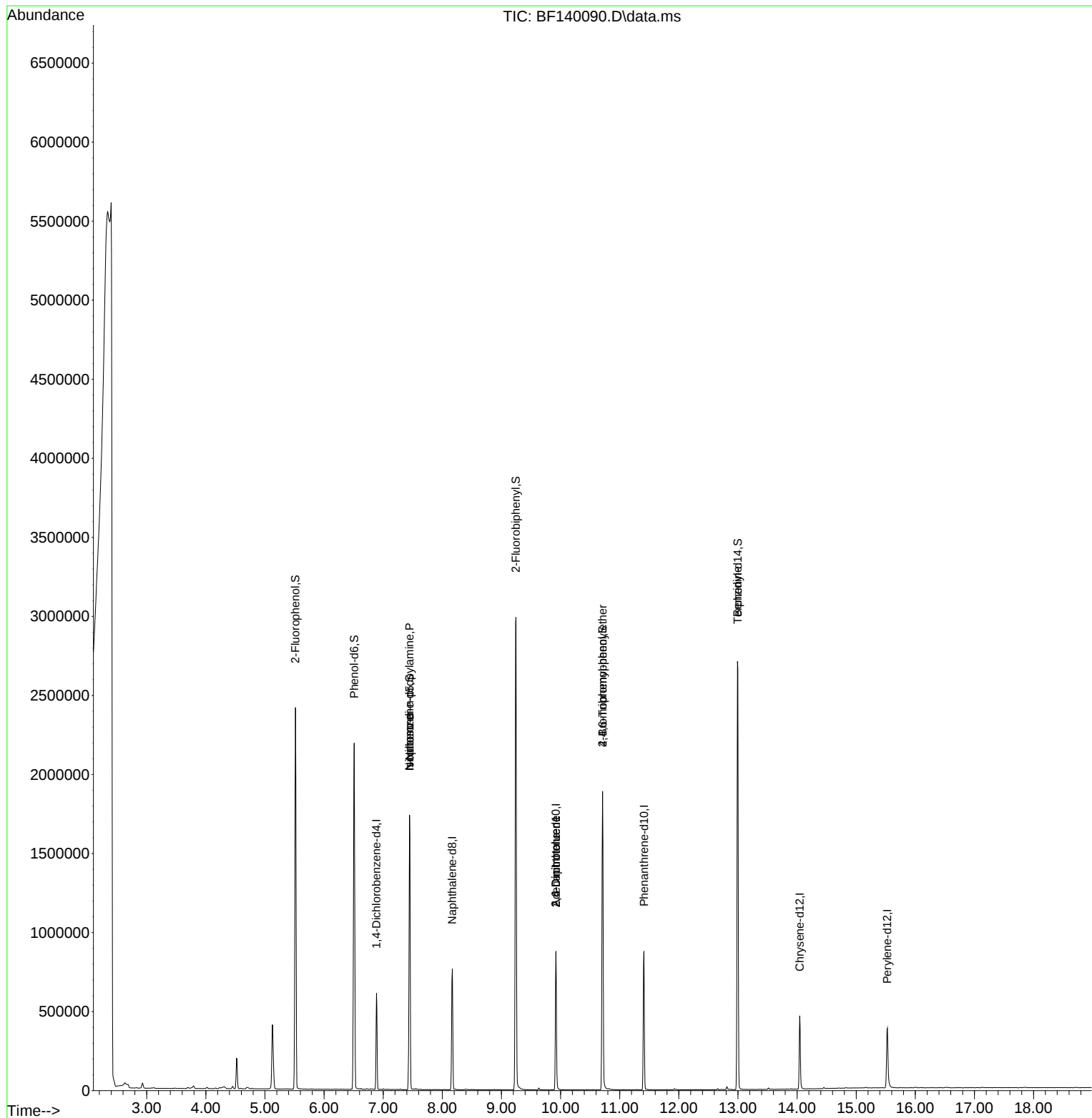
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	120346	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	474587	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	268007	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	470500	20.000	ng	0.00
76) Chrysene-d12	14.045	240	230763	20.000	ng	0.00
86) Perylene-d12	15.527	264	263125	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	906364	117.902	ng	0.02
7) Phenol-d6	6.510	99	1079899	108.462	ng	0.00
23) Nitrobenzene-d5	7.445	82	799649	93.385	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	343055	136.847	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1453972	89.661	ng	0.00
79) Terphenyl-d14	12.998	244	1439838	101.671	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	107611	17.821	ng	# 77
25) Isophorone	7.445	82	794941	48.912	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	33041	9.141	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	33042	7.434	ng	# 21
67) 4-Bromophenyl-phenylether	10.710	248	22417	4.625	ng	# 1
77) Benzidine	12.992	184	17690	4.662	ng	# 95

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

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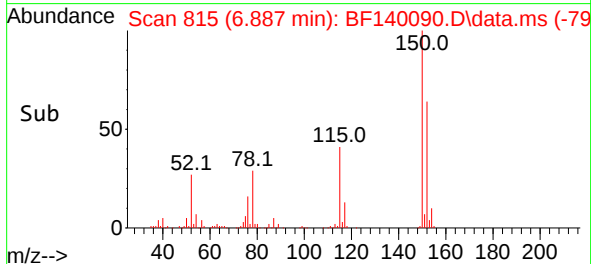
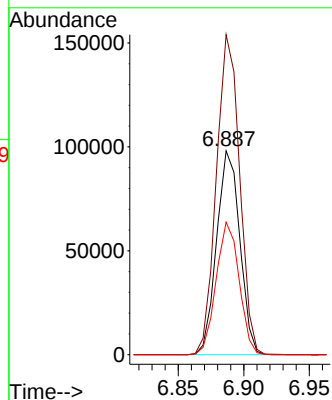
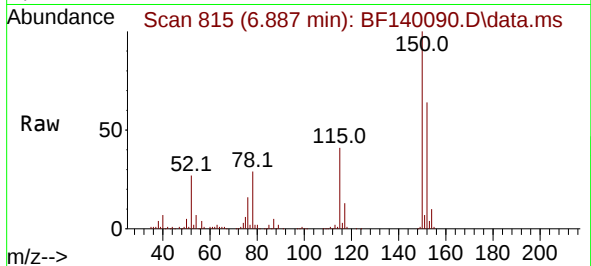




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140090.D
Acq: 28 Oct 2024 16:39

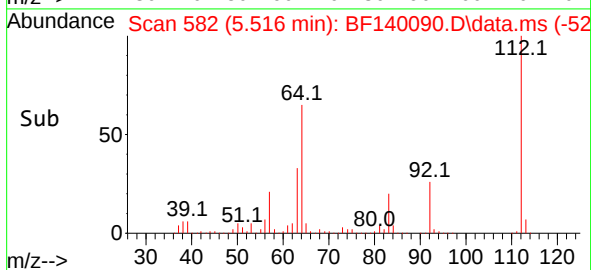
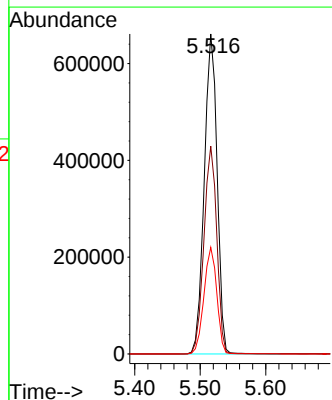
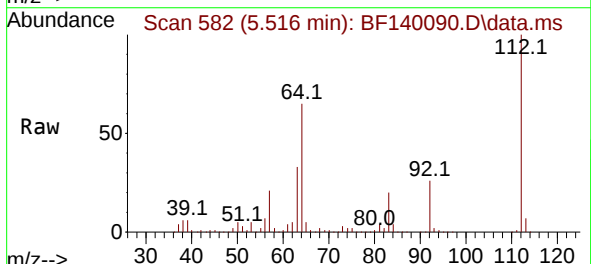
Instrument :
BNA_F
ClientSampleId :
GRAVEL-2

Tgt Ion:152 Resp: 120346
Ion Ratio Lower Upper
152 100
150 157.0 130.2 195.2
115 65.0 51.4 77.2



#5
2-Fluorophenol
Concen: 117.902 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140090.D
Acq: 28 Oct 2024 16:39

Tgt Ion:112 Resp: 906364
Ion Ratio Lower Upper
112 100
64 64.9 53.0 79.6
63 33.3 27.0 40.4

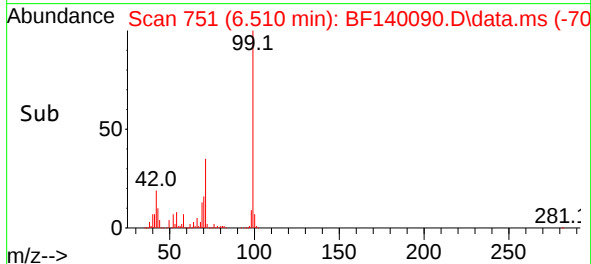
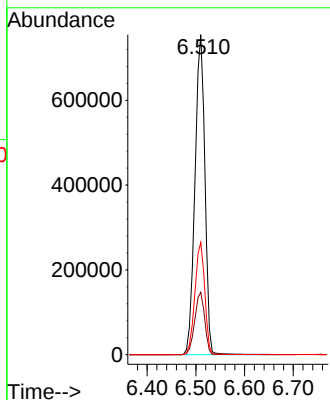
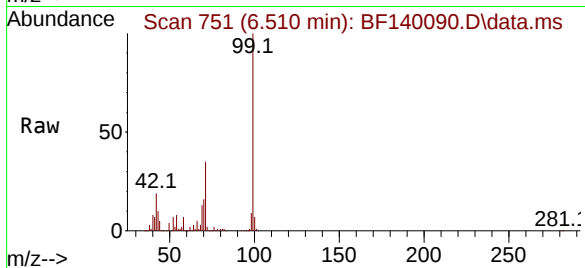




#7
Phenol-d6
Concen: 108.462 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140090.D
Acq: 28 Oct 2024 16:39

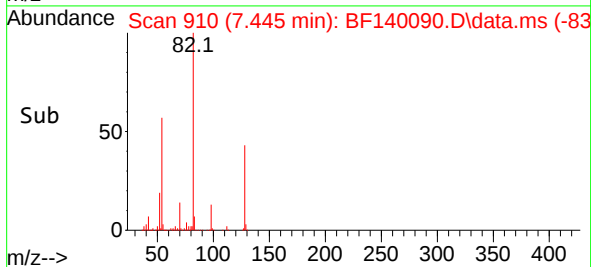
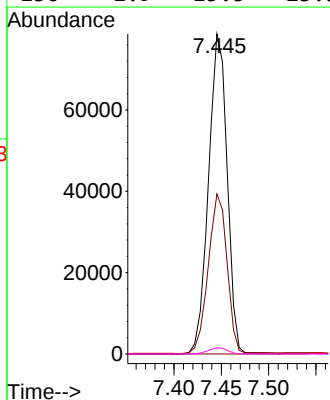
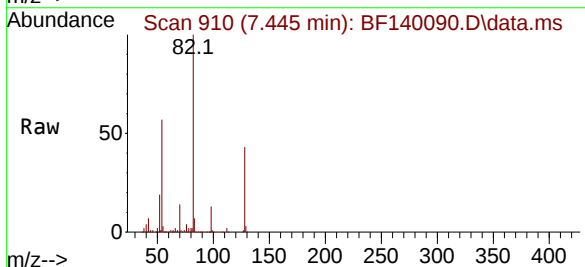
Instrument :
BNA_F
ClientSampleId :
GRAVEL-2

Tgt Ion: 99 Resp: 1079899
Ion Ratio Lower Upper
99 100
42 19.5 16.7 25.1
71 35.1 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 17.821 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140090.D
Acq: 28 Oct 2024 16:39

Tgt Ion: 70 Resp: 107611
Ion Ratio Lower Upper
70 100
42 49.9 51.5 77.3#
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



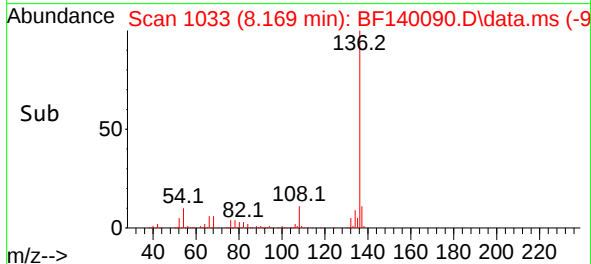
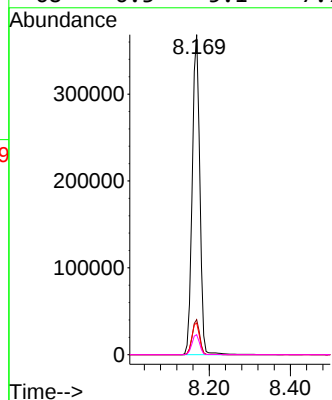
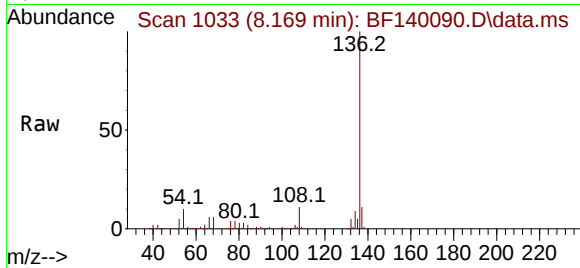


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF140090.D
Acq: 28 Oct 2024 16:39

Instrument :
BNA_F
ClientSampleId :
GRAVEL-2

Tgt Ion:136 Resp: 474587

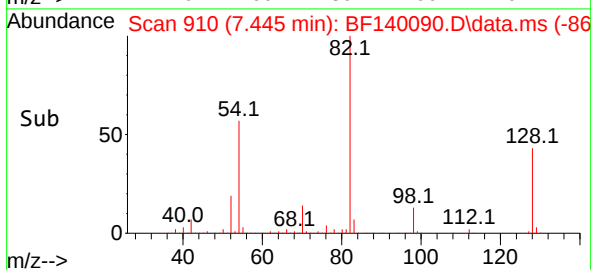
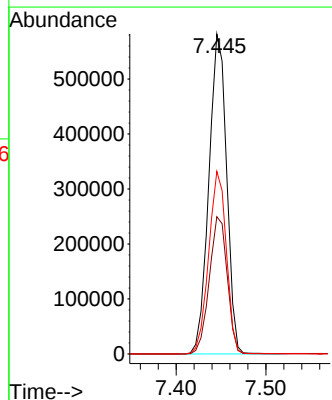
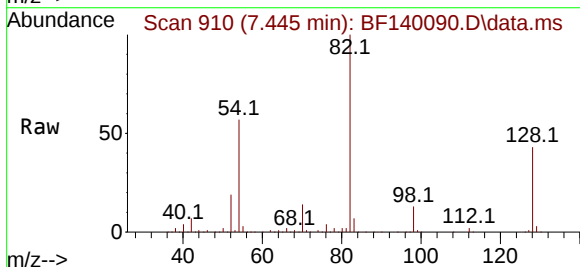
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.9	8.4	12.6
68	6.3	5.1	7.7



#23
Nitrobenzene-d5
Concen: 93.385 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140090.D
Acq: 28 Oct 2024 16:39

Tgt Ion: 82 Resp: 799649

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.4	50.0
54	57.0	47.8	71.8

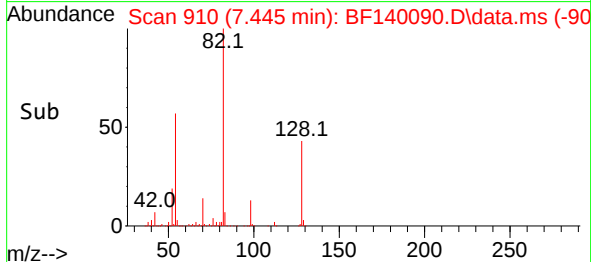
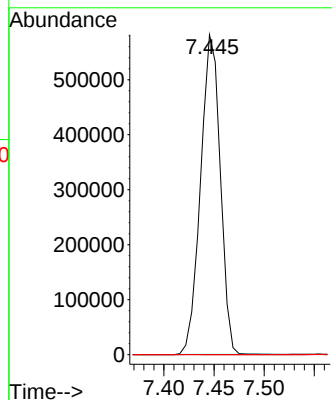
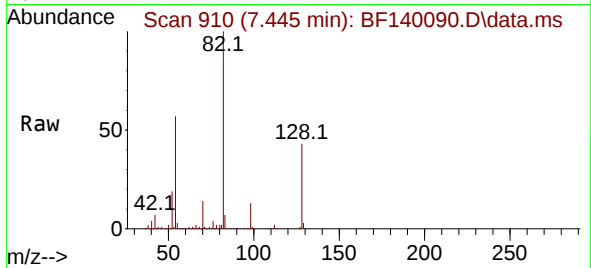




#25
Isophorone
Concen: 48.912 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF140090.D
Acq: 28 Oct 2024 16:39

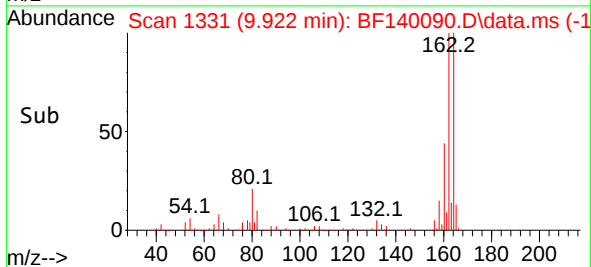
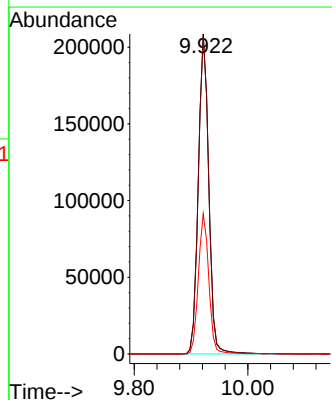
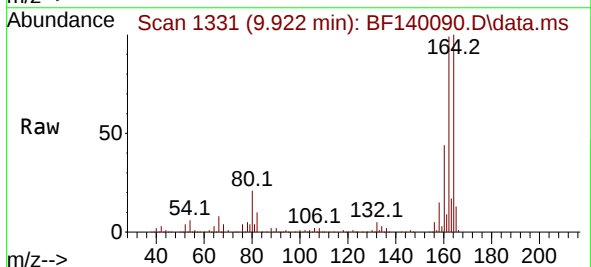
Instrument :
BNA_F
ClientSampleId :
GRAVEL-2

Tgt Ion: 82 Resp: 794941
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: BF140090.D
Acq: 28 Oct 2024 16:39

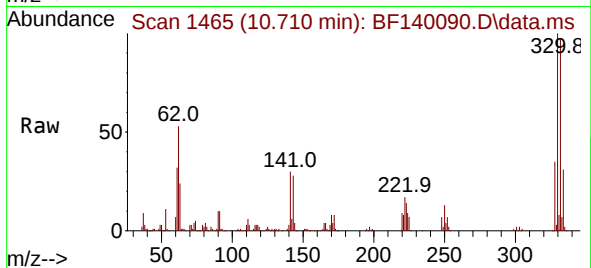
Tgt Ion:164 Resp: 268007
Ion Ratio Lower Upper
164 100
162 99.4 81.0 121.4
160 43.8 35.4 53.0



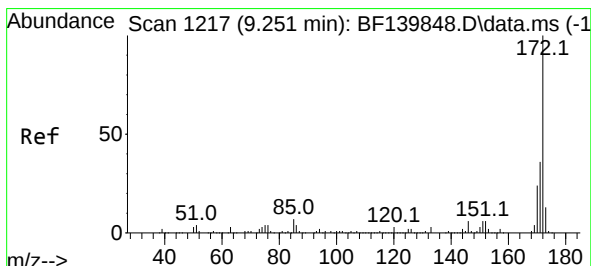
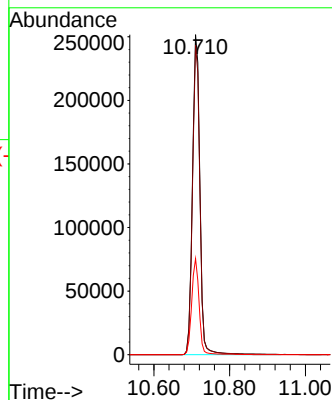
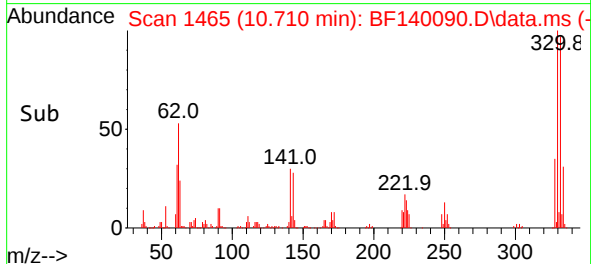


#42
2,4,6-Tribromophenol
Concen: 136.847 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140090.D
Acq: 28 Oct 2024 16:39

Instrument :
BNA_F
ClientSampleId :
GRAVEL-2

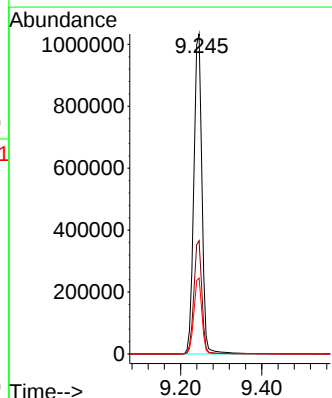
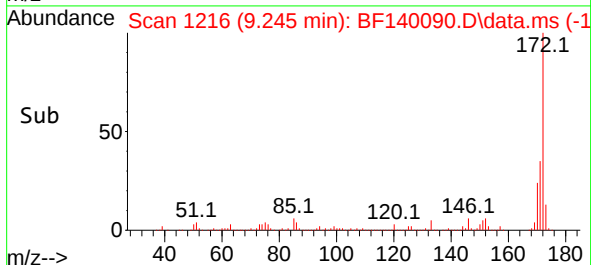
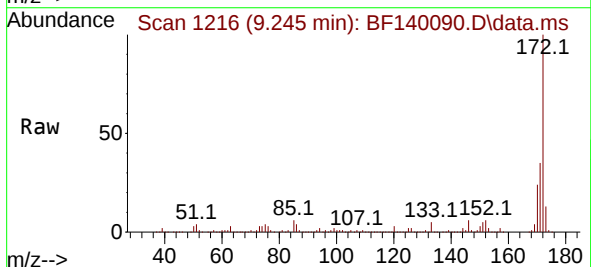


Tgt Ion:330 Resp: 343055
Ion Ratio Lower Upper
330 100
332 96.4 78.1 117.1
141 30.0 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 89.661 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140090.D
Acq: 28 Oct 2024 16:39

Tgt Ion:172 Resp: 1453972
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.7 19.1 28.7

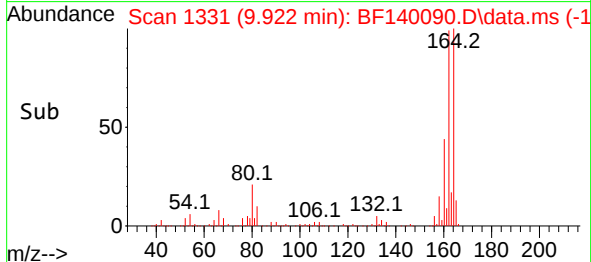
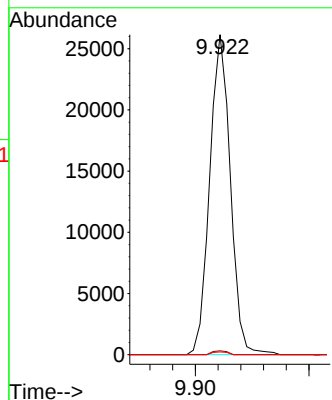
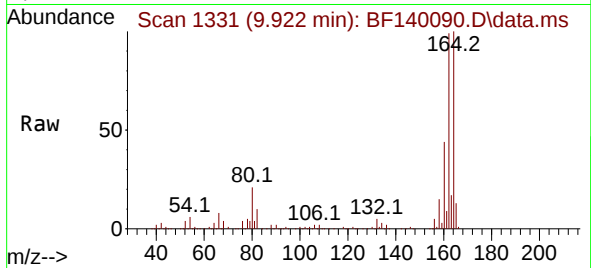




#51
2,6-Dinitrotoluene
Concen: 9.141 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140090.D
Acq: 28 Oct 2024 16:39

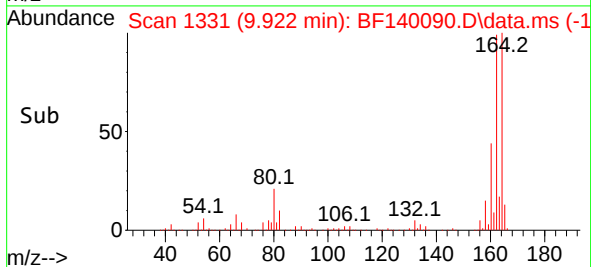
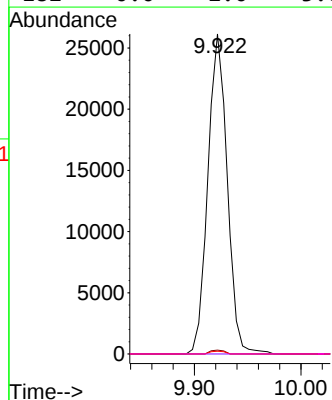
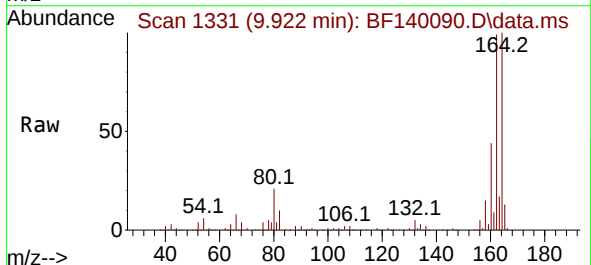
Instrument :
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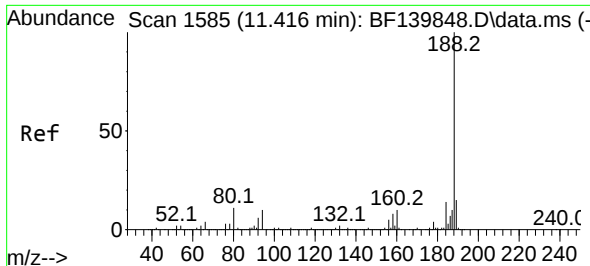
Tgt Ion:165 Resp: 33041
Ion Ratio Lower Upper
165 100
63 1.2 50.6 75.8#
89 0.8 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.434 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140090.D
Acq: 28 Oct 2024 16:39

Tgt Ion:165 Resp: 33042
Ion Ratio Lower Upper
165 100
63 1.2 40.1 60.1#
89 0.8 60.4 90.6#
182 0.0 2.0 3.0#

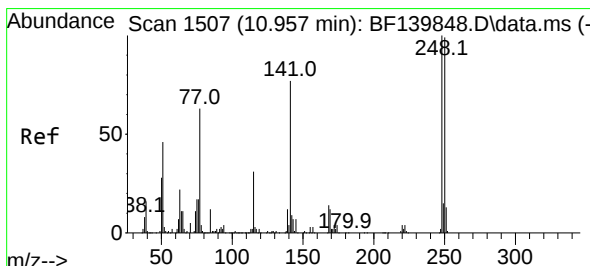
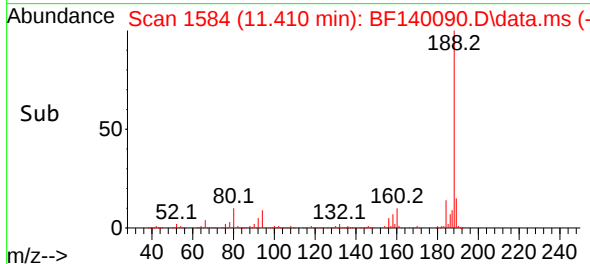
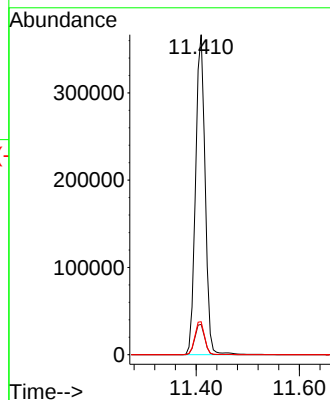
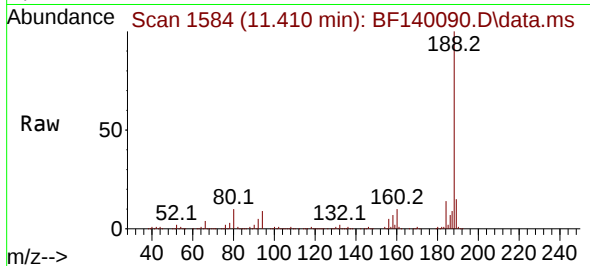




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140090.D
Acq: 28 Oct 2024 16:39

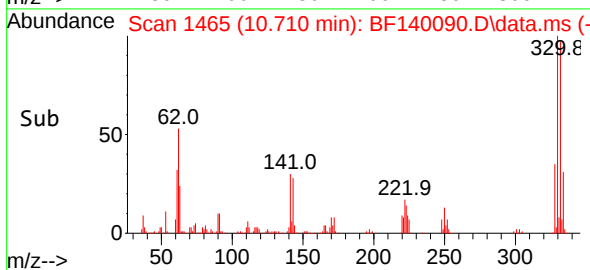
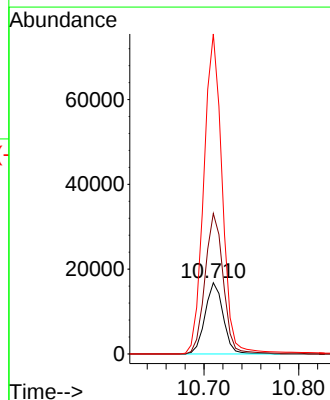
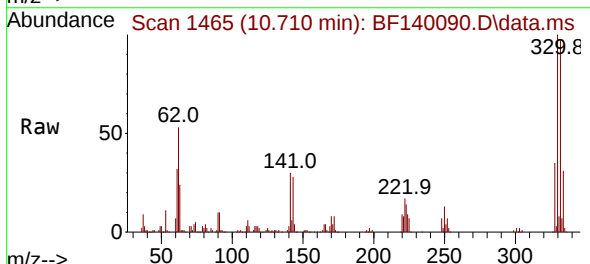
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GRAVEL-2

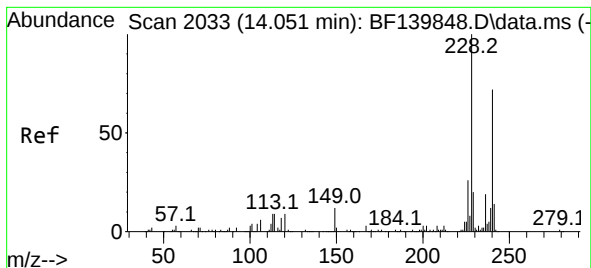
Tgt Ion:188 Resp: 470500
Ion Ratio Lower Upper
188 100
94 9.5 7.9 11.9
80 10.3 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 4.625 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF140090.D
Acq: 28 Oct 2024 16:39

Tgt Ion:248 Resp: 22417
Ion Ratio Lower Upper
248 100
250 197.1 79.0 118.6#
141 449.1 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140090.D

Acq: 28 Oct 2024 16:39

Instrument :

BNA_F

ClientSampleId :

GRAVEL-2

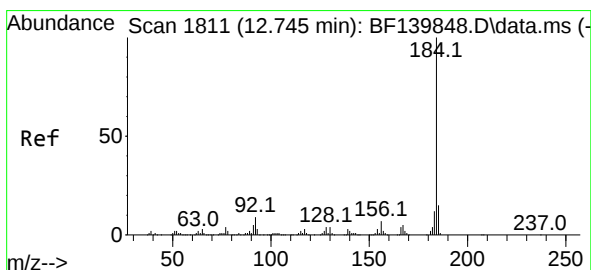
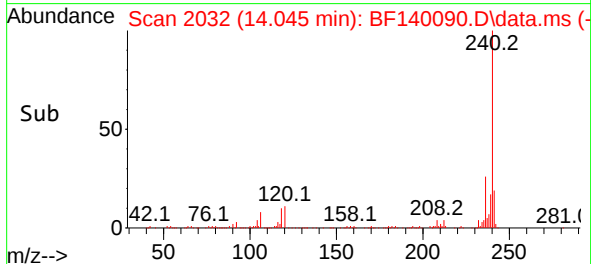
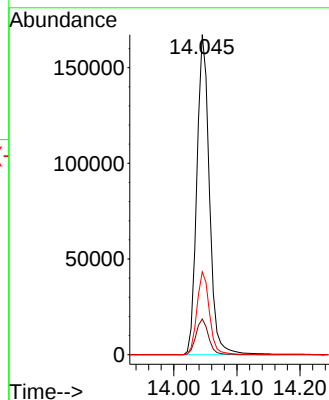
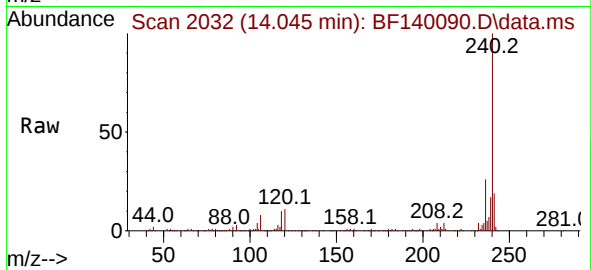
Tgt Ion:240 Resp: 230763

Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.2

236 25.9 20.9 31.3



#77

Benzidine

Concen: 4.662 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF140090.D

Acq: 28 Oct 2024 16:39

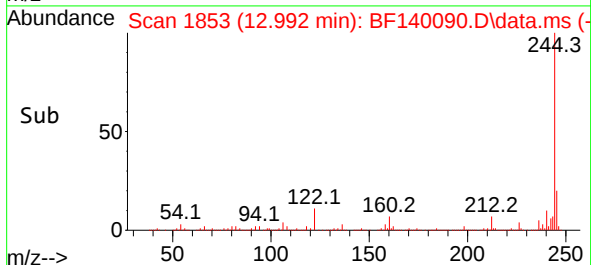
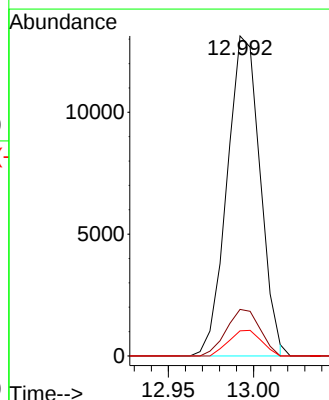
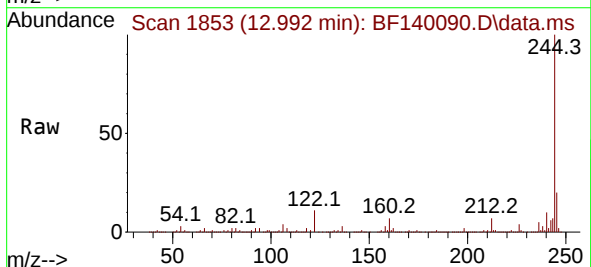
Tgt Ion:184 Resp: 17690

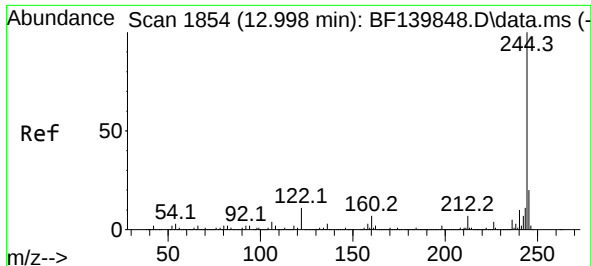
Ion Ratio Lower Upper

184 100

185 14.6 12.0 18.0

183 7.8 9.4 14.2#

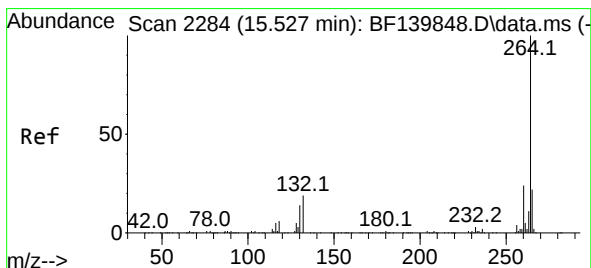
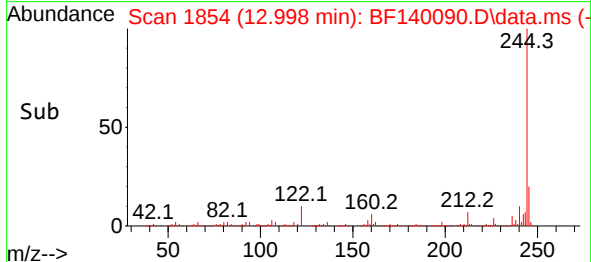
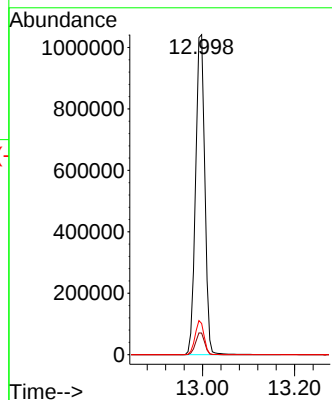
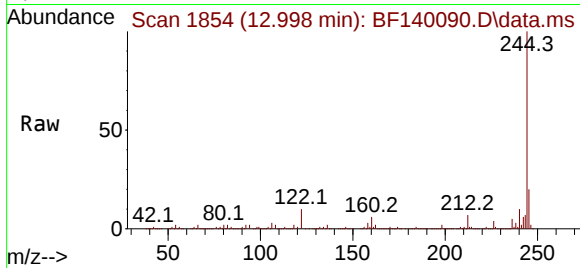




#79
 Terphenyl-d14
 Concen: 101.671 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF140090.D
 Acq: 28 Oct 2024 16:39

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-2

Tgt Ion:244 Resp: 1439838
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 9.7 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2284
 Delta R.T. 0.000 min
 Lab File: BF140090.D
 Acq: 28 Oct 2024 16:39

Tgt Ion:264 Resp: 263125
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.4 29.2
 265 21.9 17.4 26.0

