

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141925.D
 Acq On : 11 Mar 2025 19:42
 Operator : RC/JU
 Sample : Q1534-07 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-17

Quant Time: Mar 12 01:16:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

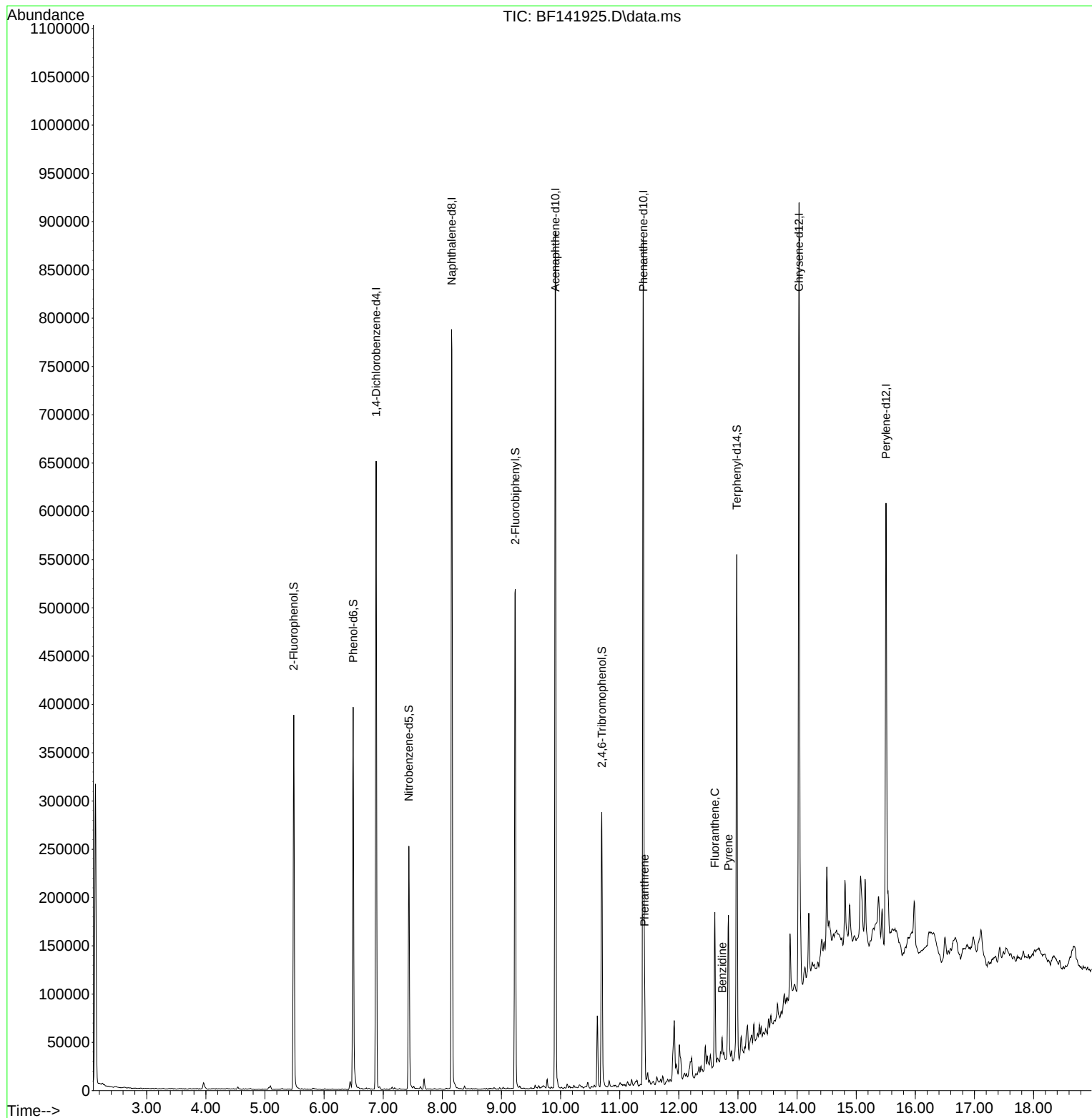
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	135181	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	515947	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	264048	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	436938	20.000	ng	0.00
76) Chrysene-d12	14.033	240	369056	20.000	ng	0.00
86) Perylene-d12	15.504	264	270852	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	146025	18.028	ng	0.00
7) Phenol-d6	6.492	99	182858	17.731	ng	-0.01
23) Nitrobenzene-d5	7.434	82	111176	12.126	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	47510	14.183	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	237027	13.652	ng	0.00
79) Terphenyl-d14	12.980	244	250328	10.028	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.422	178	54518	2.310	ng	98
75) Fluoranthene	12.610	202	88410	3.532	ng	100
77) Benzidine	12.733	184	12748	2.476	ng	# 91
78) Pyrene	12.839	202	86323	2.704	ng	99

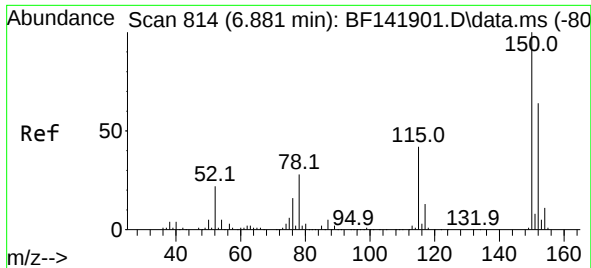
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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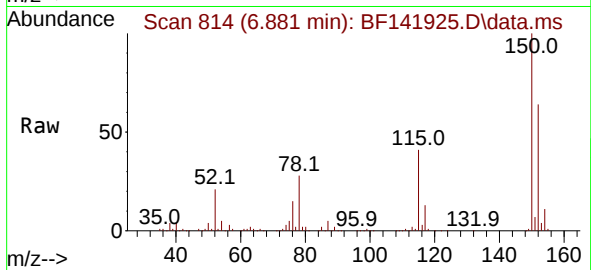
Quant Time: Mar 12 01:16:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



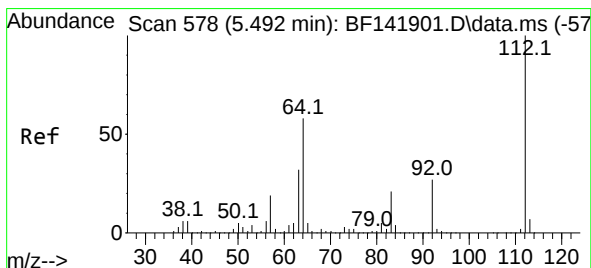
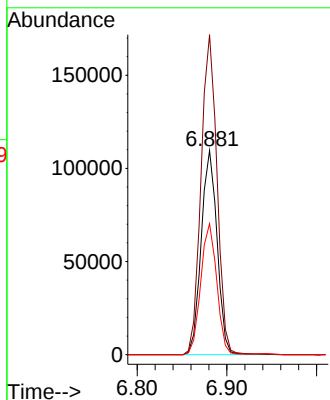
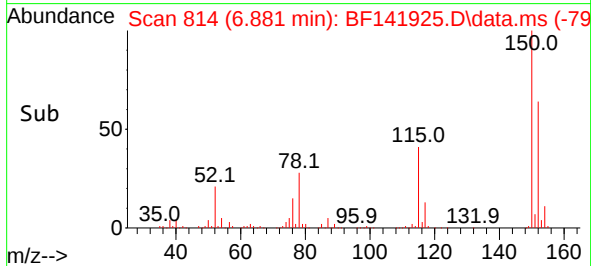


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

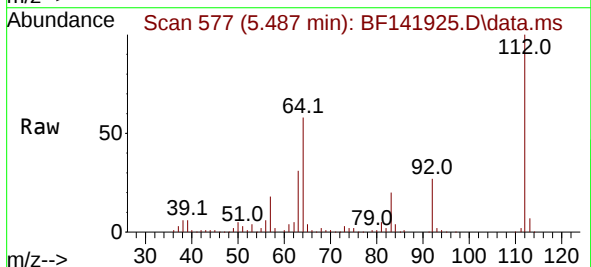
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-17



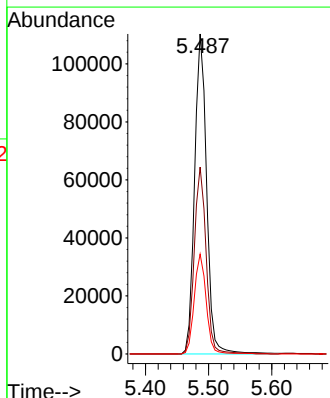
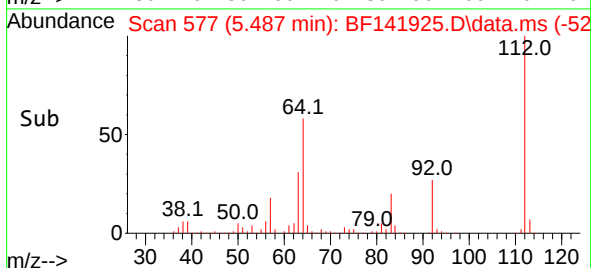
Tgt Ion:152 Resp: 135181
Ion Ratio Lower Upper
152 100
150 156.8 127.4 191.2
115 64.2 51.9 77.9

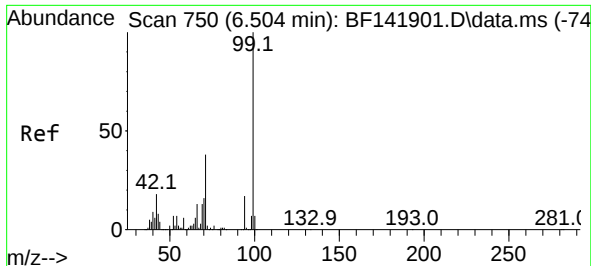


#5
2-Fluorophenol
Concen: 18.028 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42



Tgt Ion:112 Resp: 146025
Ion Ratio Lower Upper
112 100
64 58.4 46.5 69.7
63 31.2 25.4 38.2

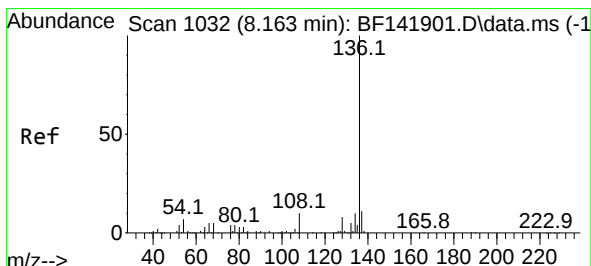
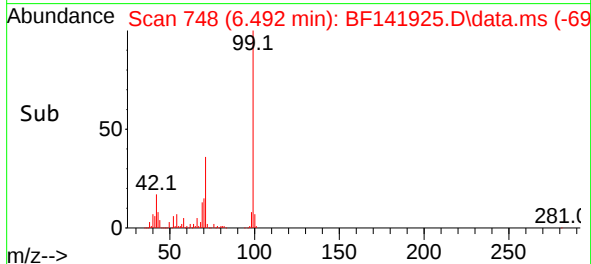
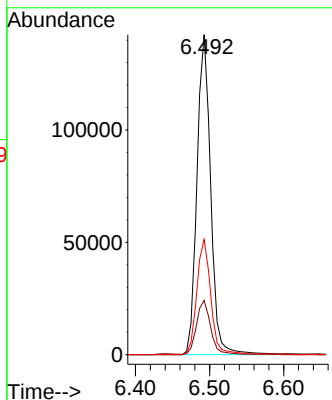
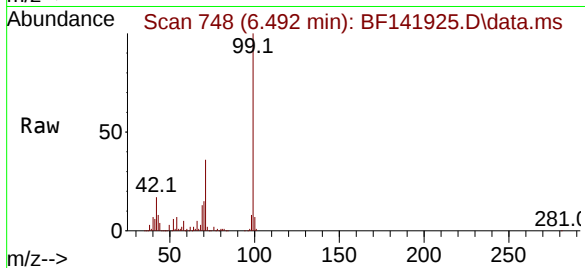




#7
Phenol-d6
Concen: 17.731 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

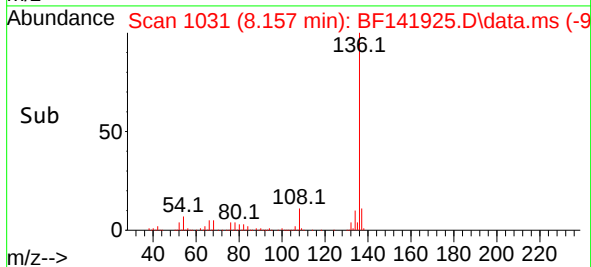
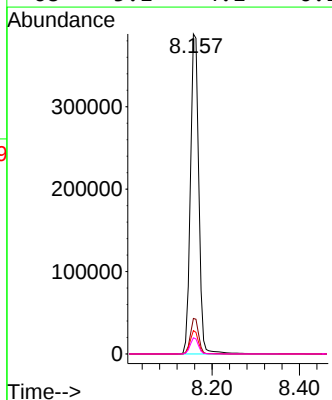
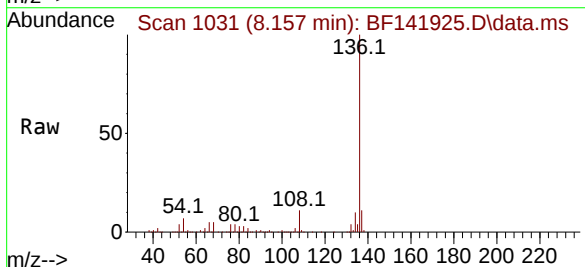
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-17

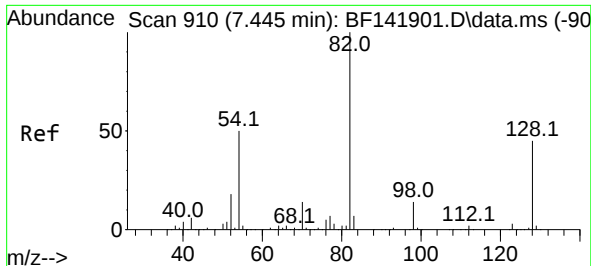
Tgt Ion: 99 Resp: 182858
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 36.0 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

Tgt Ion:136 Resp: 515947
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.3 5.8 8.8
68 5.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 12.126 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141925.D

Acq: 11 Mar 2025 19:42

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-17

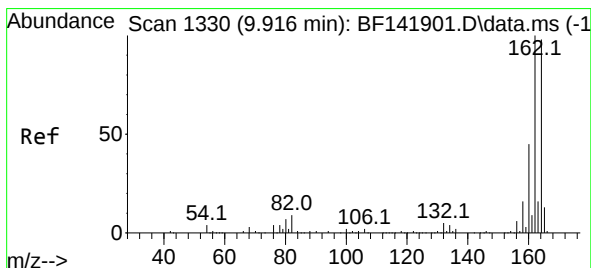
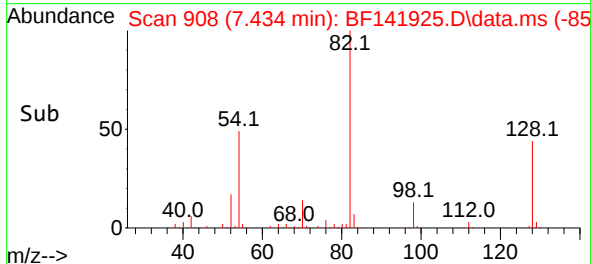
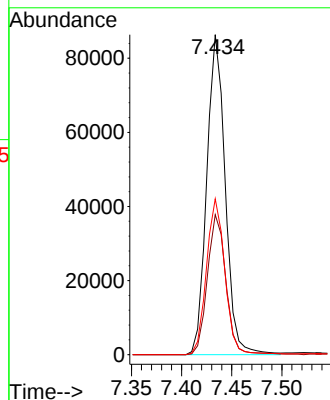
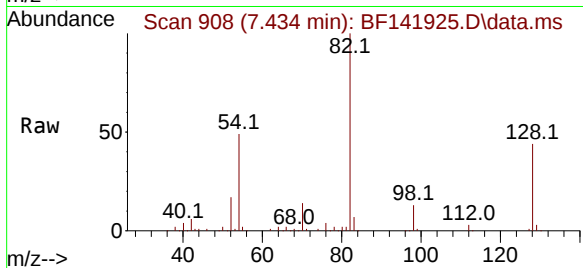
Tgt Ion: 82 Resp: 111176

Ion Ratio Lower Upper

82 100

128 43.8 36.0 54.0

54 48.7 39.6 59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF141925.D

Acq: 11 Mar 2025 19:42

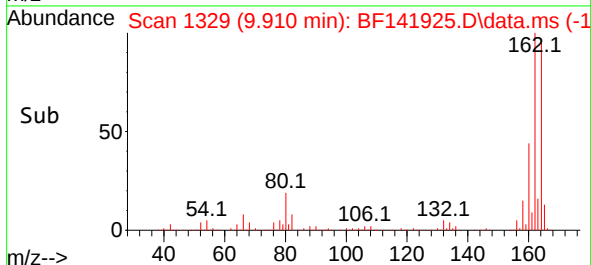
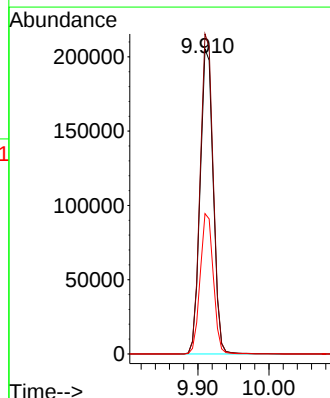
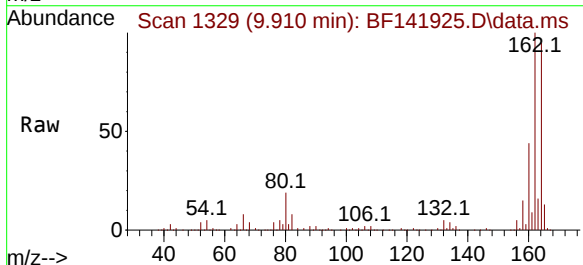
Tgt Ion:164 Resp: 264048

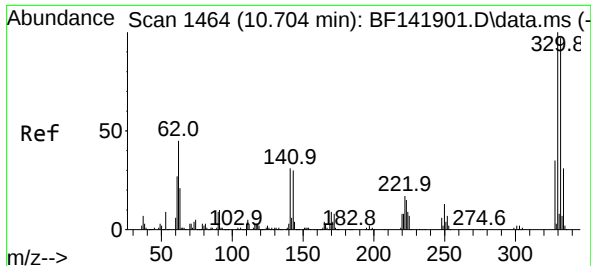
Ion Ratio Lower Upper

164 100

162 104.9 81.8 122.6

160 46.0 36.7 55.1

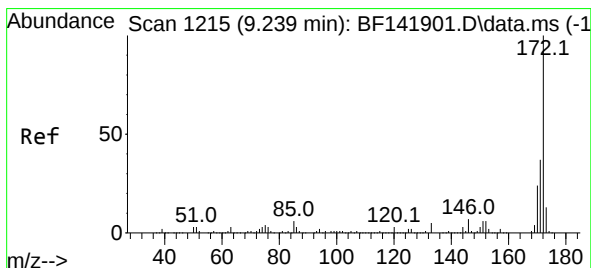
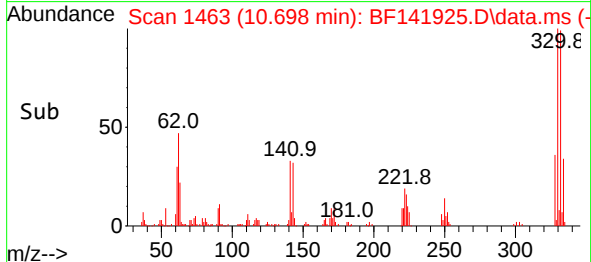
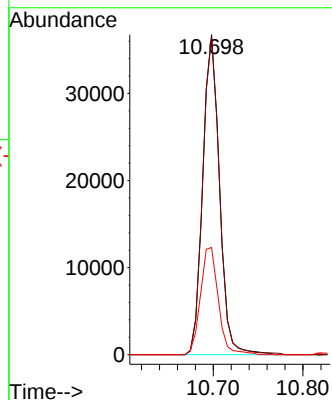
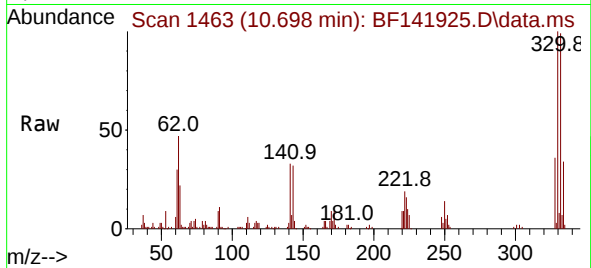




#42
 2,4,6-Tribromophenol
 Concen: 14.183 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF141925.D
 Acq: 11 Mar 2025 19:42

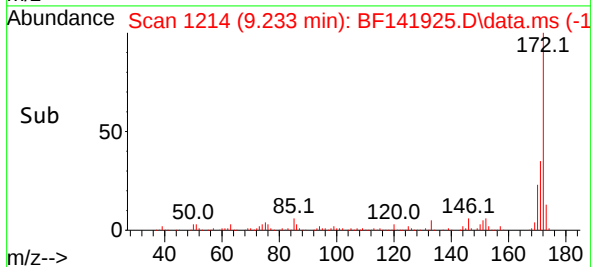
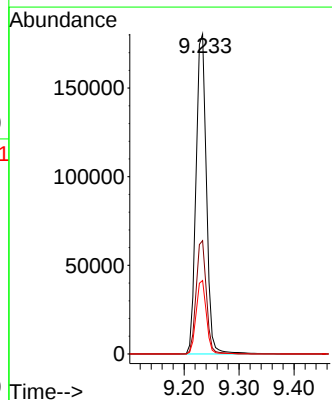
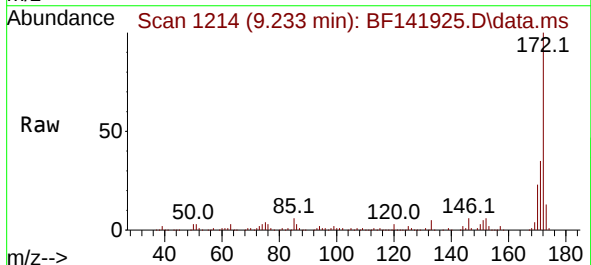
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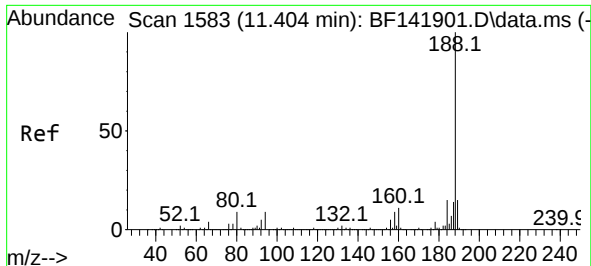
Tgt Ion:330 Resp: 47510
 Ion Ratio Lower Upper
 330 100
 332 100.1 77.6 116.4
 141 35.8 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 13.652 ng
 RT: 9.233 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: BF141925.D
 Acq: 11 Mar 2025 19:42

Tgt Ion:172 Resp: 237027
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.3 43.9
 170 23.0 19.4 29.0

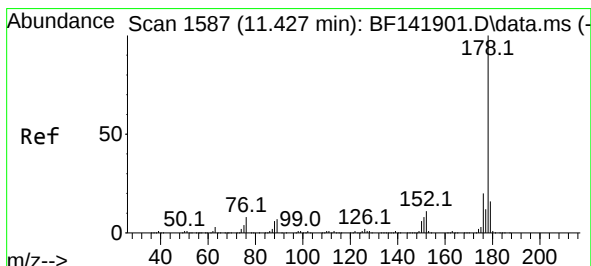
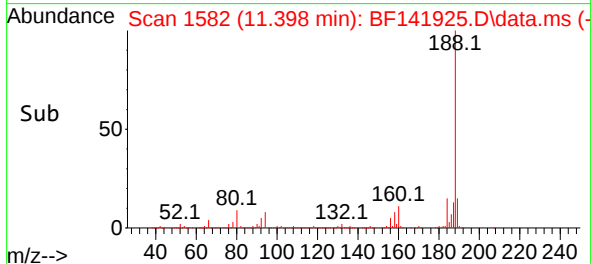
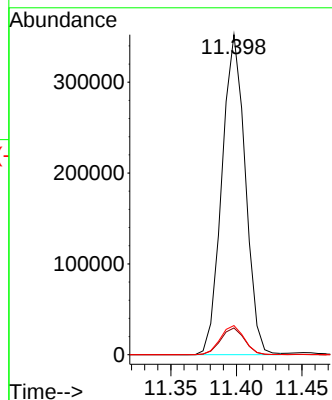
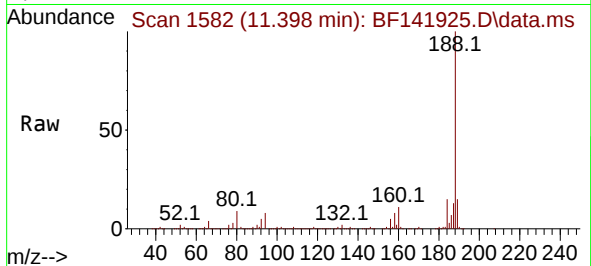




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

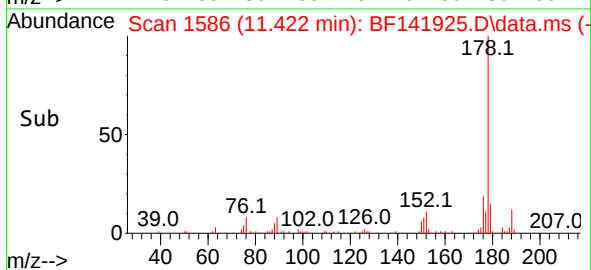
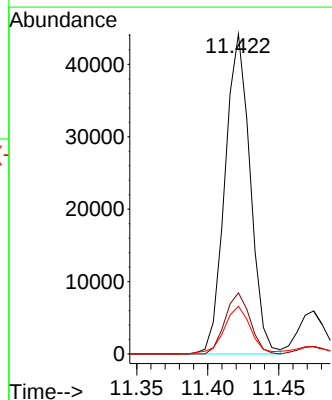
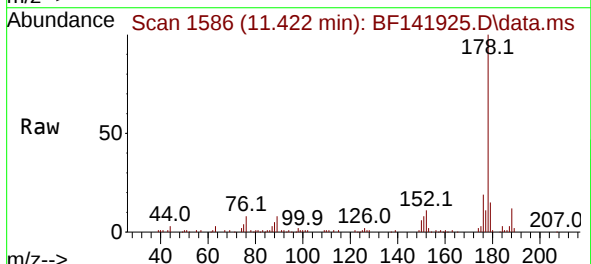
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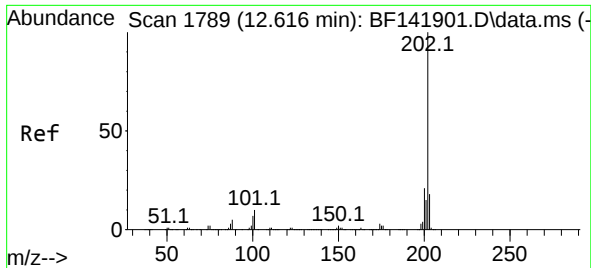
Tgt Ion:188 Resp: 436938
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.1 7.6 11.4



#71
Phenanthrene
Concen: 2.310 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

Tgt Ion:178 Resp: 54518
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 14.9 12.6 19.0

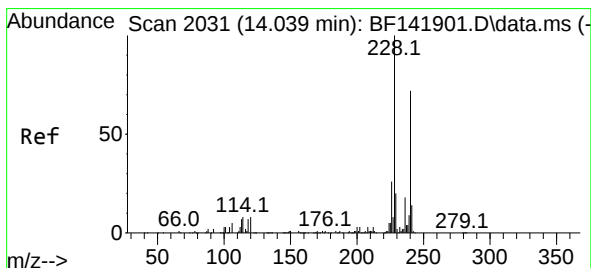
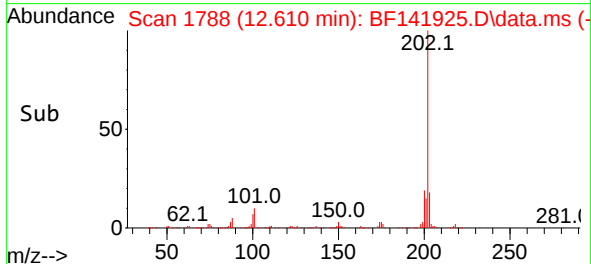
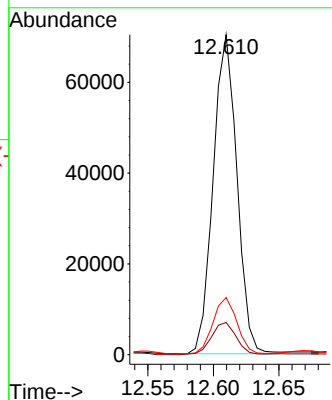
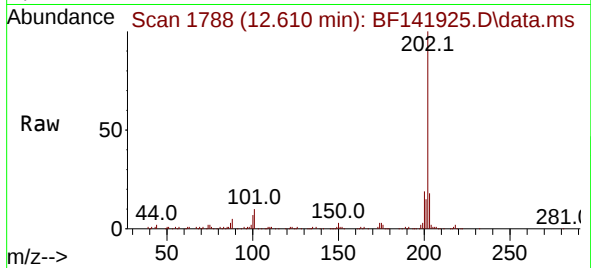




#75
Fluoranthene
Concen: 3.532 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

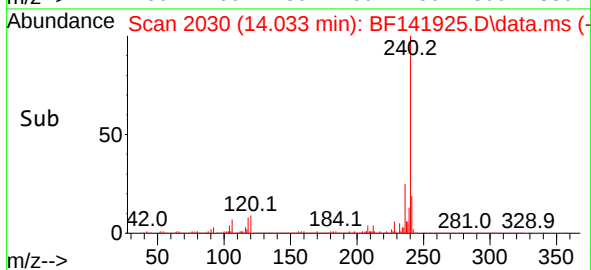
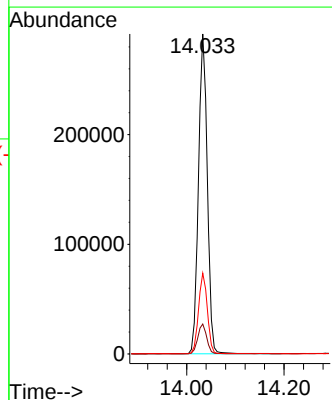
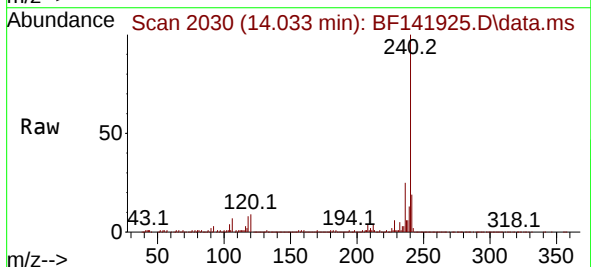
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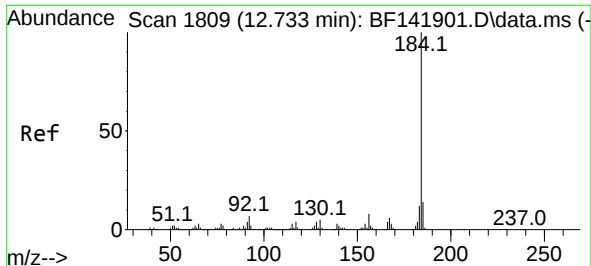
Tgt Ion:202 Resp: 88410
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.7
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

Tgt Ion:240 Resp: 369056
Ion Ratio Lower Upper
240 100
120 9.4 8.4 12.6
236 25.3 20.5 30.7

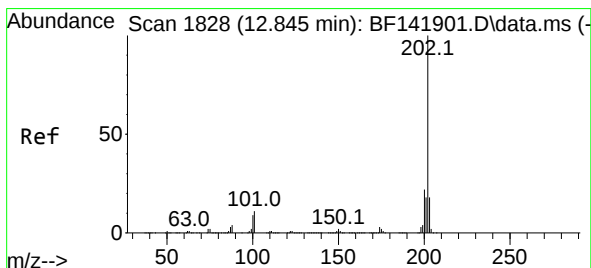
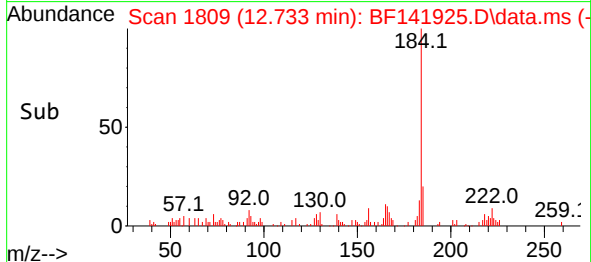
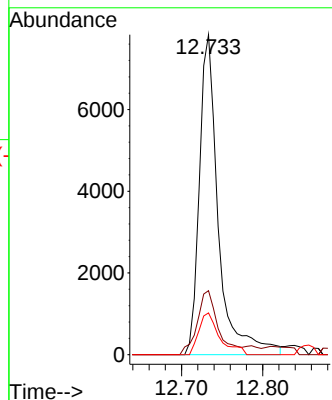
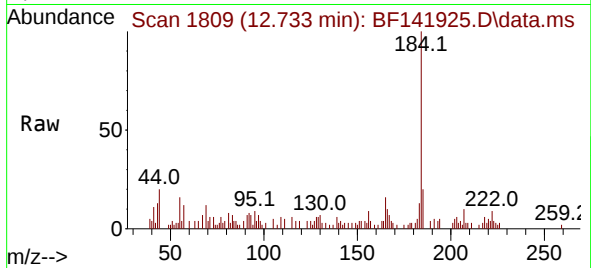




#77
Benzidine
Concen: 2.476 ng
RT: 12.733 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

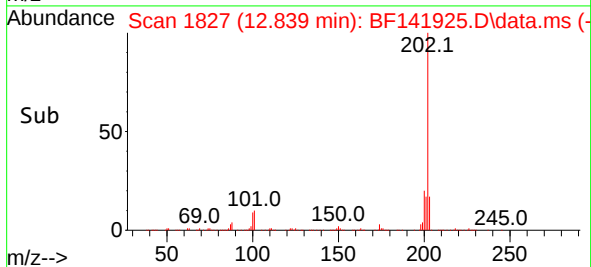
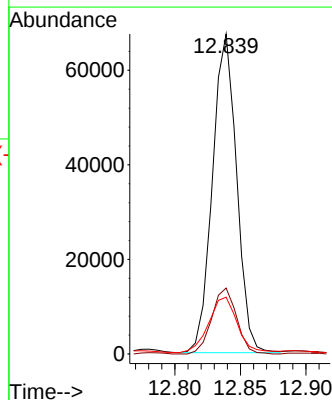
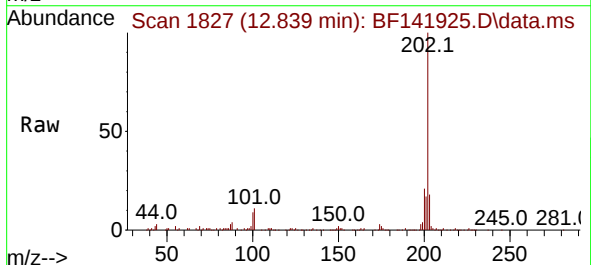
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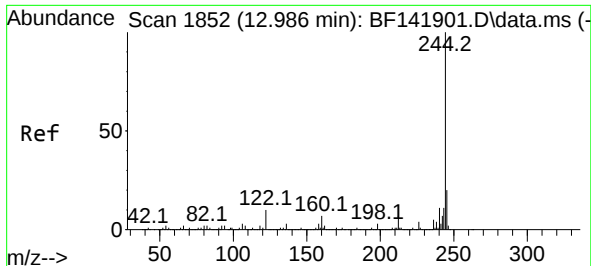
Tgt Ion:184 Resp: 12748
Ion Ratio Lower Upper
184 100
185 20.0 11.5 17.3#
183 13.1 9.7 14.5



#78
Pyrene
Concen: 2.704 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

Tgt Ion:202 Resp: 86323
Ion Ratio Lower Upper
202 100
200 20.6 17.3 25.9
203 17.7 14.4 21.6

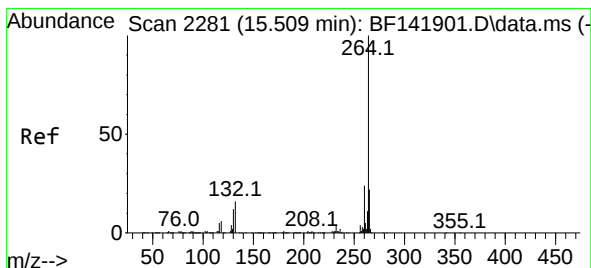
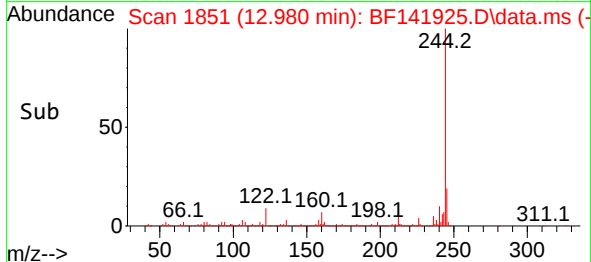
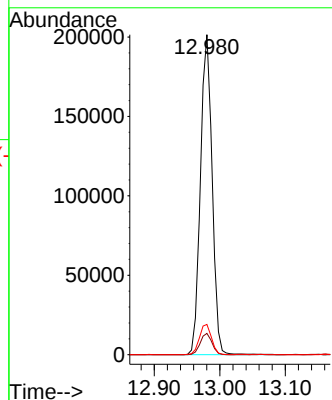
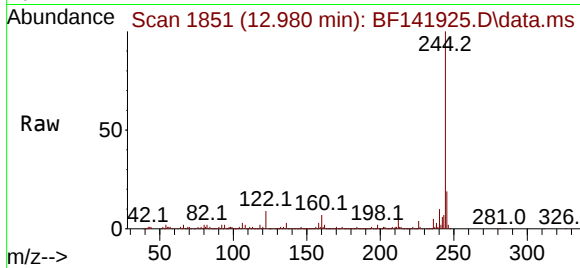




#79
 Terphenyl-d14
 Concen: 10.028 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF141925.D
 Acq: 11 Mar 2025 19:42

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-17

Tgt Ion:244 Resp: 250328
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 9.5 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.006 min
 Lab File: BF141925.D
 Acq: 11 Mar 2025 19:42

Tgt Ion:264 Resp: 270852
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.1 28.7
 265 21.8 17.5 26.3

