

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142314.D
 Acq On : 12 May 2025 12:20
 Operator : RC/JU
 Sample : Q1986-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-8

Quant Time: May 12 13:03:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

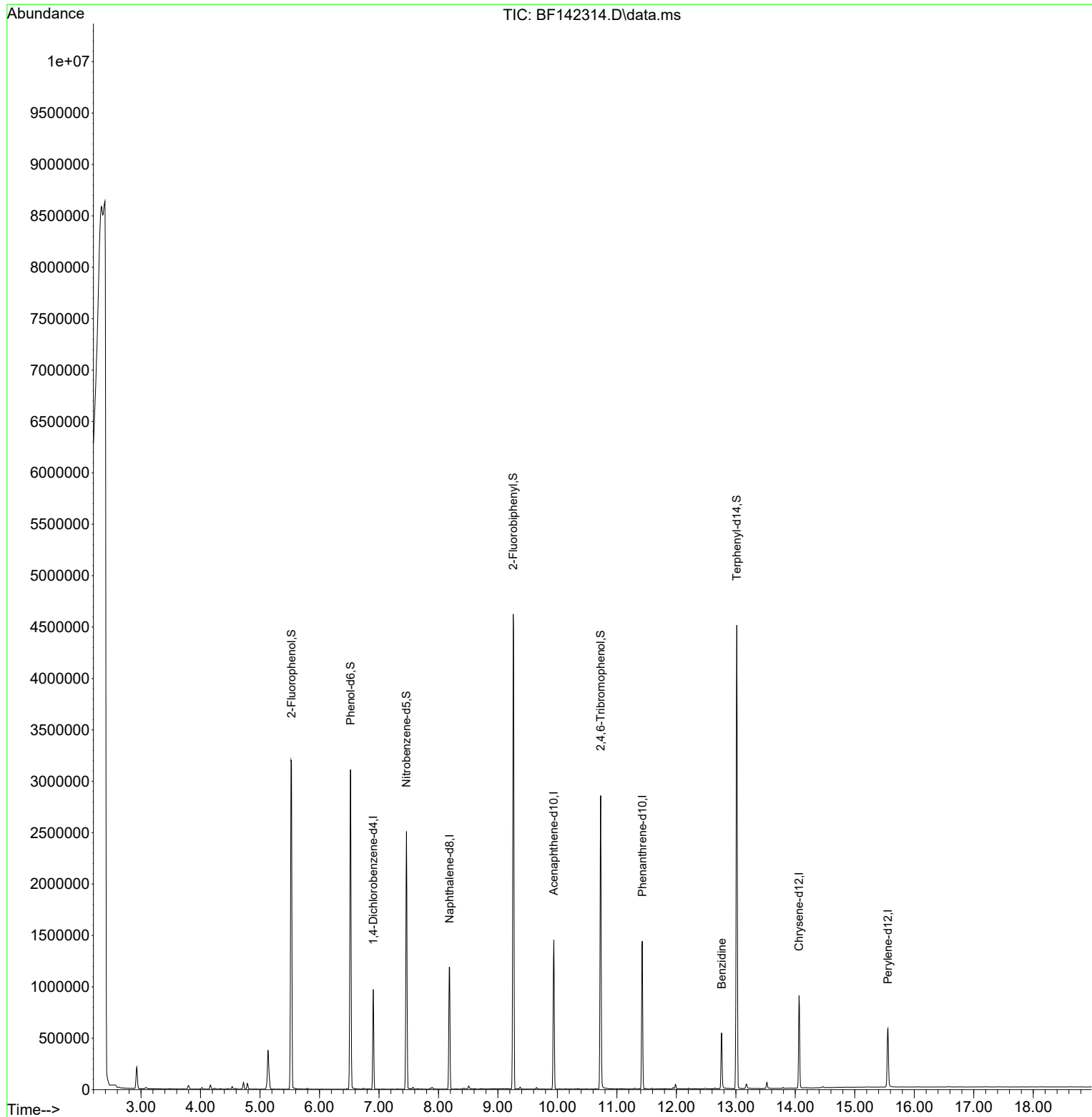
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	201467	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	772765	20.000	ng	0.00
39) Acenaphthene-d10	9.940	164	428245	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	746386	20.000	ng	0.00
76) Chrysene-d12	14.063	240	437033	20.000	ng	0.00
86) Perylene-d12	15.557	264	344368	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1315591	111.473	ng	0.02
7) Phenol-d6	6.522	99	1492518	102.823	ng	0.00
23) Nitrobenzene-d5	7.463	82	1045847	82.539	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	514754	124.498	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2156127	71.790	ng	0.00
79) Terphenyl-d14	13.016	244	2254394	76.350	ng	0.00
Target Compounds						
77) Benzidine	12.763	184	315017	39.664	ng	Qvalue 99

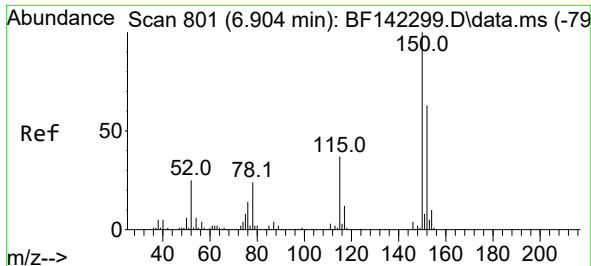
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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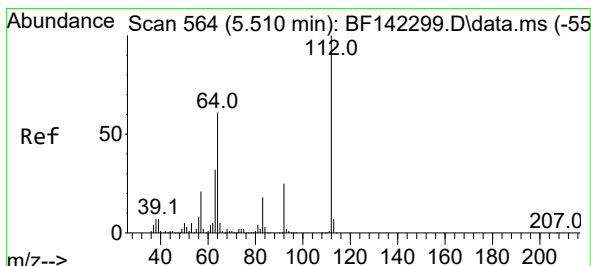
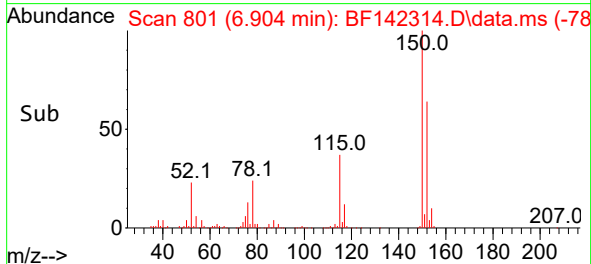
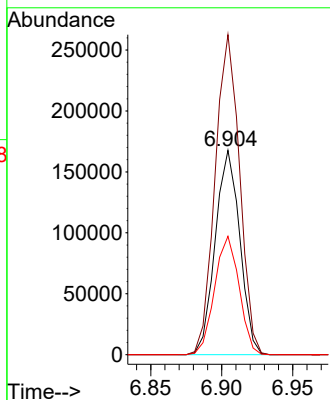
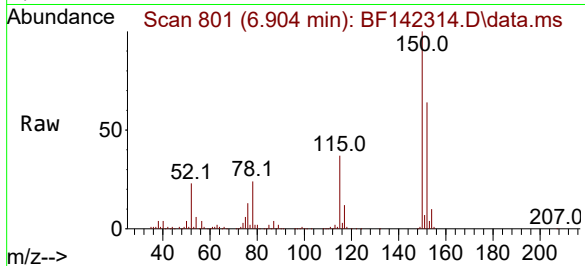




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142314.D
 Acq: 12 May 2025 12:20

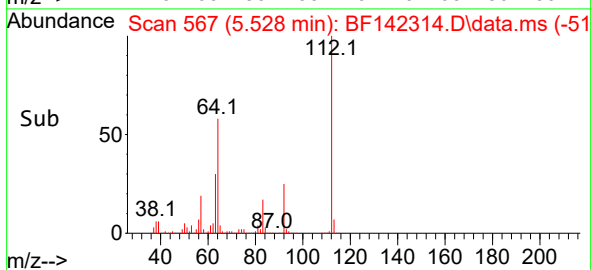
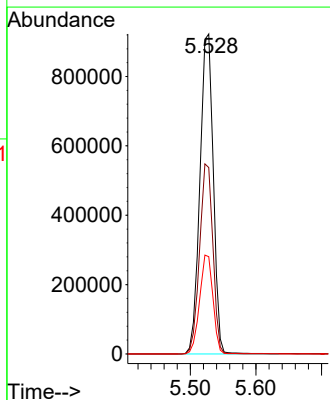
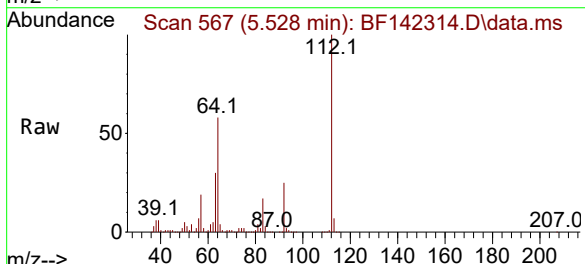
Instrument :
 BNA_F
 ClientSampleId :
 COMP-8

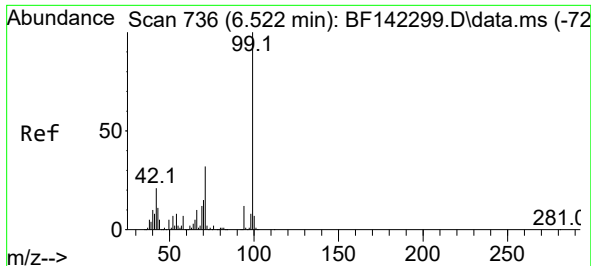
Tgt Ion:152 Resp: 201467
 Ion Ratio Lower Upper
 152 100
 150 156.7 126.6 190.0
 115 58.0 47.3 70.9



#5
 2-Fluorophenol
 Concen: 111.473 ng
 RT: 5.528 min Scan# 567
 Delta R.T. 0.018 min
 Lab File: BF142314.D
 Acq: 12 May 2025 12:20

Tgt Ion:112 Resp: 1315591
 Ion Ratio Lower Upper
 112 100
 64 58.2 48.9 73.3
 63 30.4 25.6 38.4

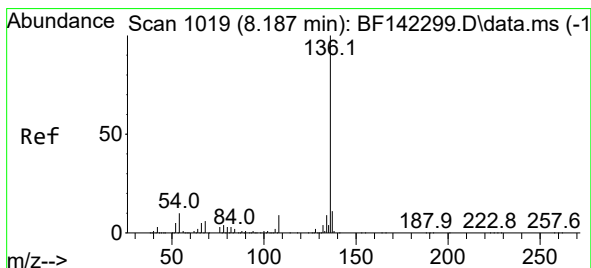
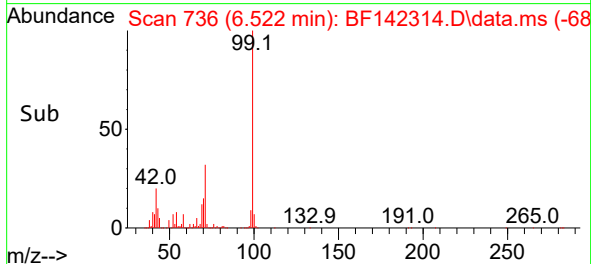
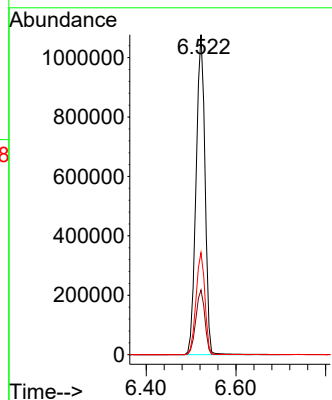
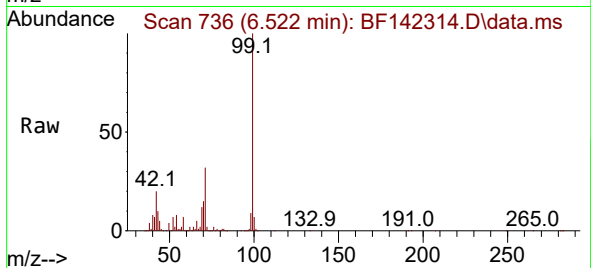




#7
Phenol-d6
Concen: 102.823 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

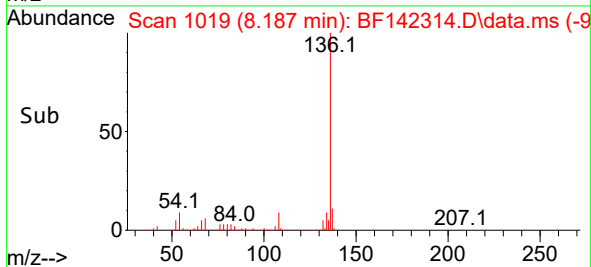
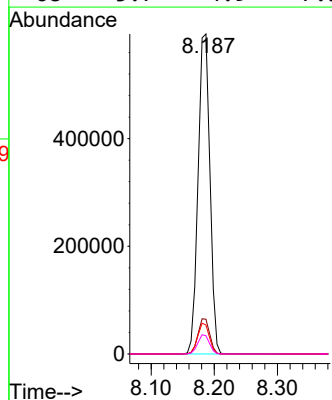
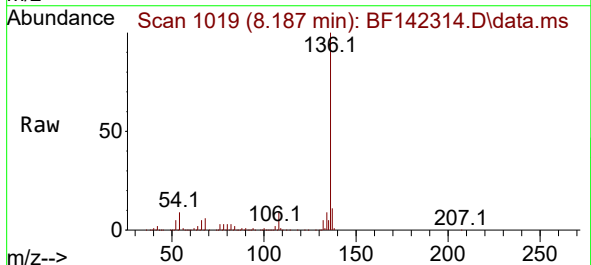
Instrument :
BNA_F
ClientSampleId :
COMP-8

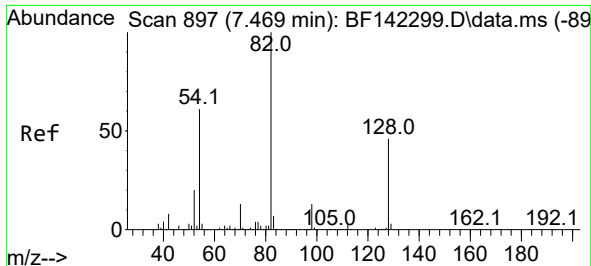
Tgt Ion: 99 Resp: 1492518
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.4
71 31.9 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

Tgt Ion: 136 Resp: 772765
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.0 7.7 11.5
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 82.539 ng

RT: 7.463 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF142314.D

Acq: 12 May 2025 12:20

Instrument :

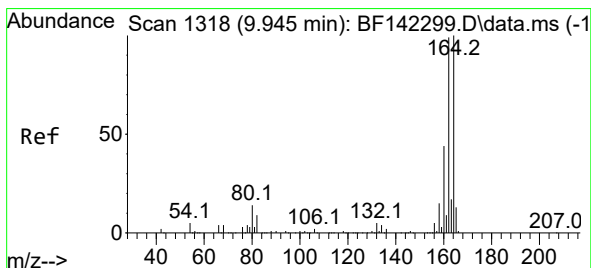
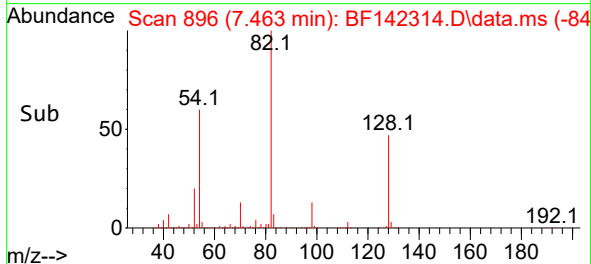
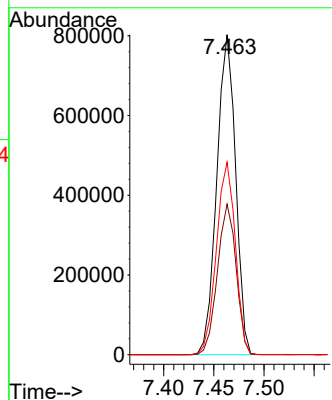
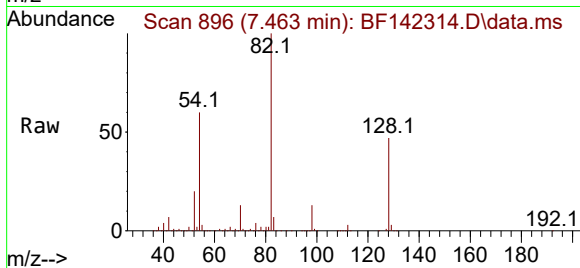
BNA_F

ClientSampleId :

COMP-8

Tgt Ion: 82 Resp: 1045847

Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.0	55.6
54	60.2	48.6	73.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.940 min Scan# 1317

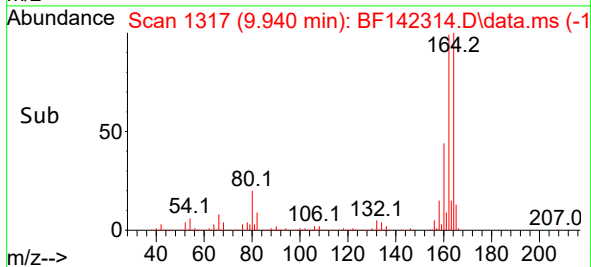
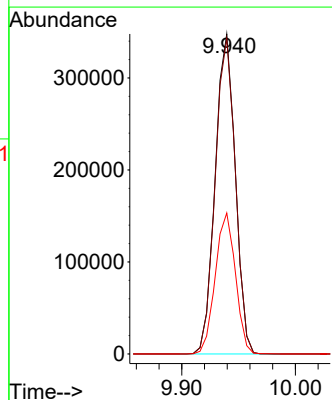
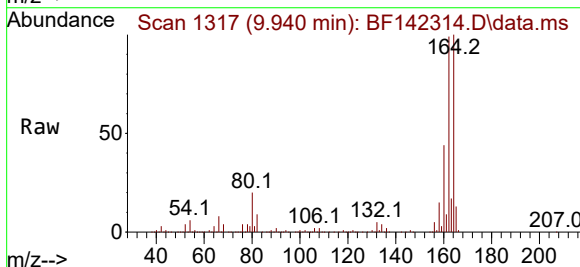
Delta R.T. -0.005 min

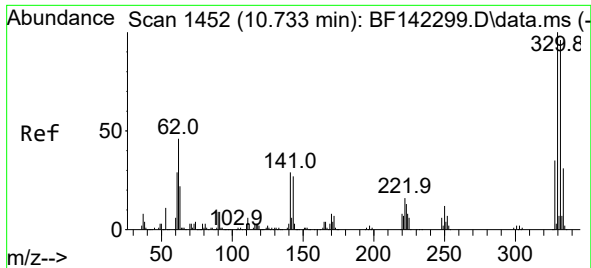
Lab File: BF142314.D

Acq: 12 May 2025 12:20

Tgt Ion:164 Resp: 428245

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.2	118.8
160	44.0	35.3	52.9

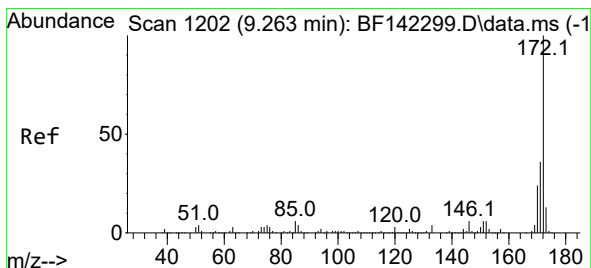
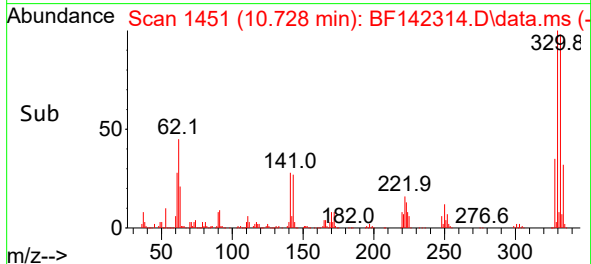
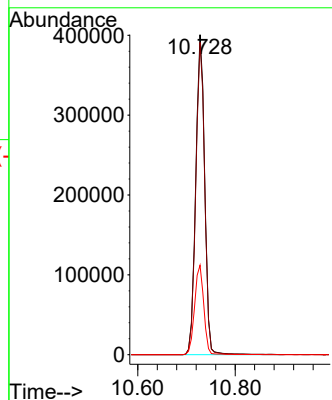
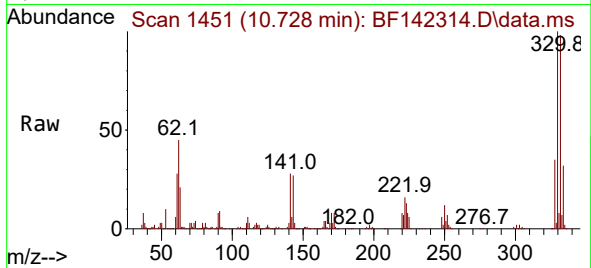




#42
2,4,6-Tribromophenol
Concen: 124.498 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

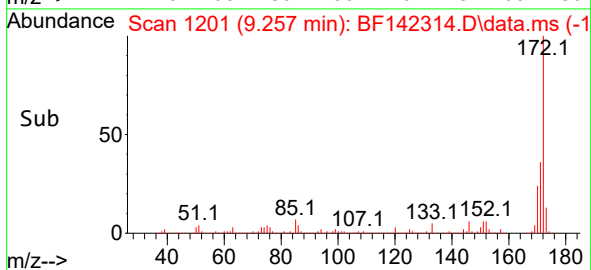
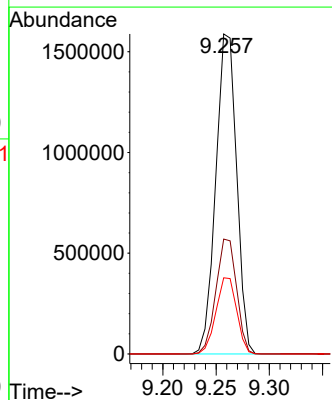
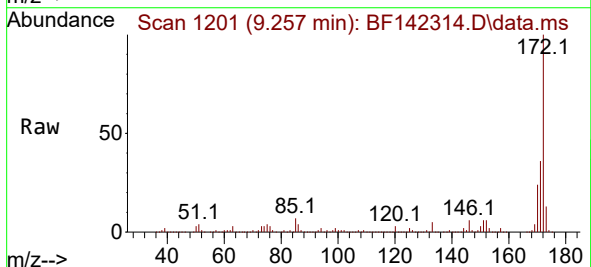
Instrument :
BNA_F
ClientSampleId :
COMP-8

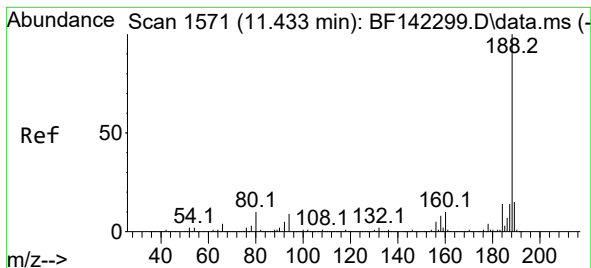
Tgt Ion:330 Resp: 514754
Ion Ratio Lower Upper
330 100
332 97.2 76.8 115.2
141 28.8 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 71.790 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

Tgt Ion:172 Resp: 2156127
Ion Ratio Lower Upper
172 100
171 35.9 28.6 42.8
170 23.8 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.428 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142314.D

Acq: 12 May 2025 12:20

Instrument :

BNA_F

ClientSampleId :

COMP-8

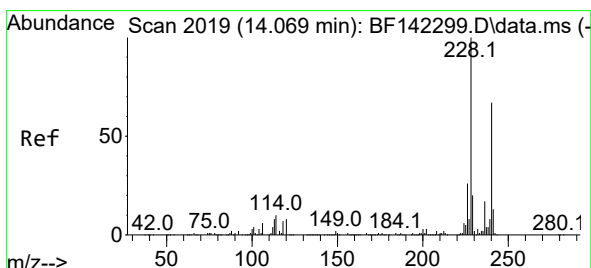
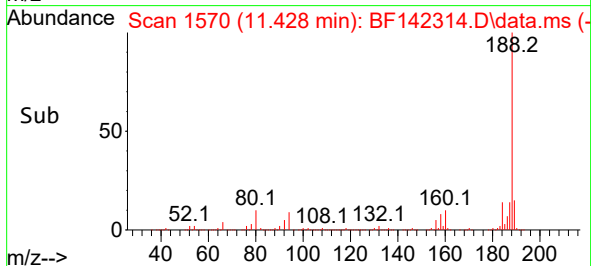
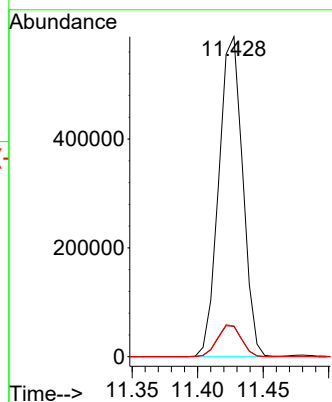
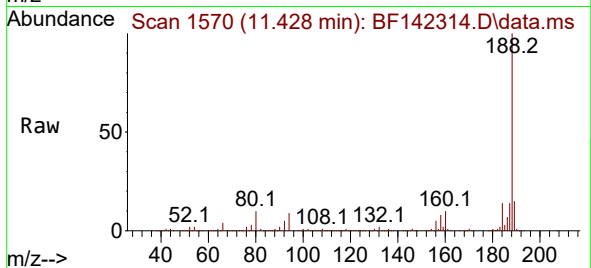
Tgt Ion:188 Resp: 746386

Ion Ratio Lower Upper

188 100

94 9.4 7.5 11.3

80 9.6 7.9 11.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF142314.D

Acq: 12 May 2025 12:20

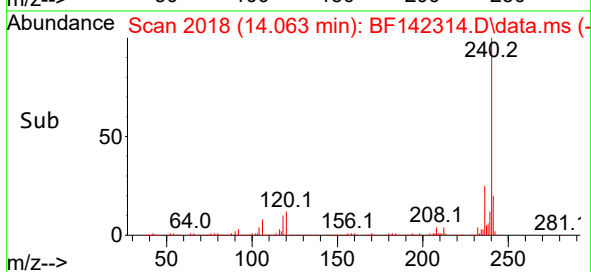
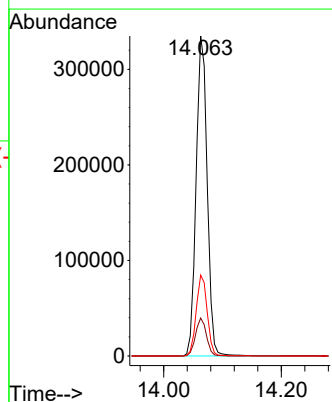
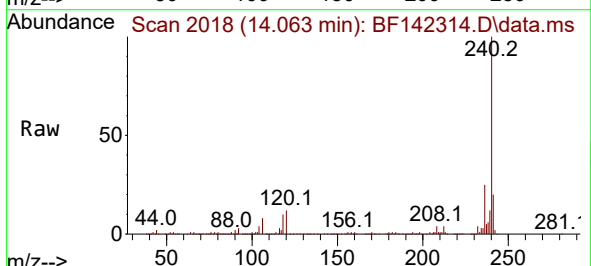
Tgt Ion:240 Resp: 437033

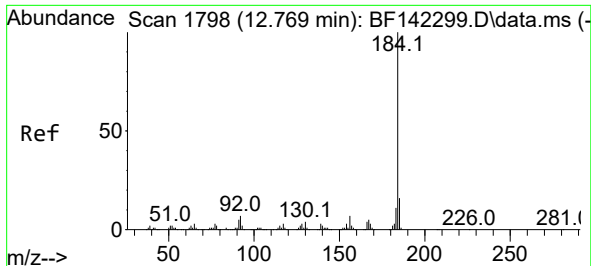
Ion Ratio Lower Upper

240 100

120 11.9 9.7 14.5

236 25.3 20.0 30.0

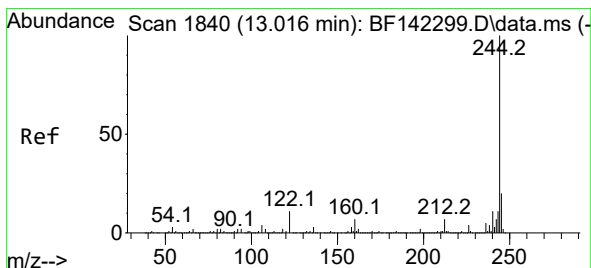
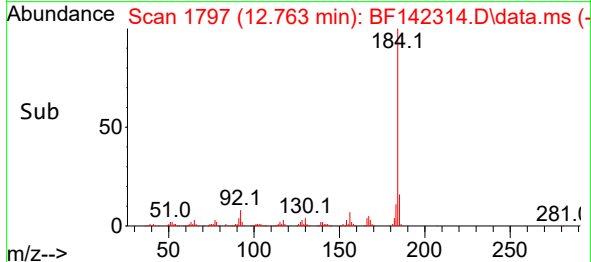
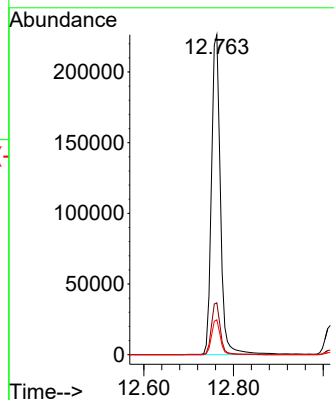
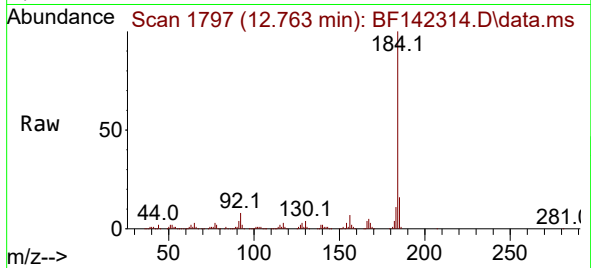




#77
Benzidine
Concen: 39.664 ng
RT: 12.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

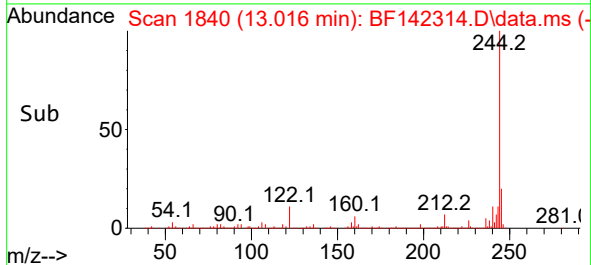
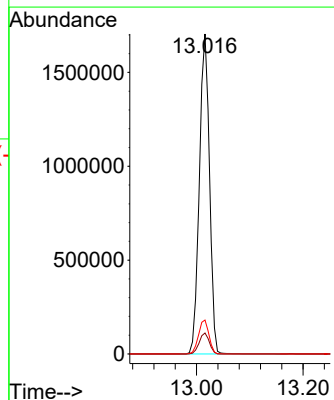
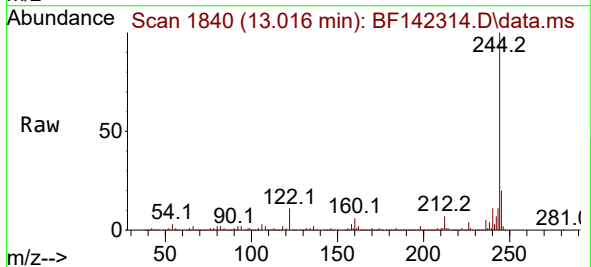
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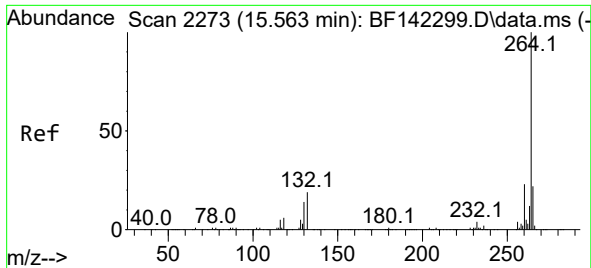
Tgt Ion:184 Resp: 315017
Ion Ratio Lower Upper
184 100
185 16.2 12.6 18.8
183 10.9 8.6 12.8



#79
Terphenyl-d14
Concen: 76.350 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

Tgt Ion:244 Resp: 2254394
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 10.6 9.0 13.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142314.D
 Acq: 12 May 2025 12:20

Instrument :
 BNA_F
 ClientSampleId :
 COMP-8

Tgt Ion:264 Resp: 344368
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 27.8
 265 21.5 17.5 26.3

