

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144036.D
 Acq On : 22 Oct 2025 12:26
 Operator : RC/JU
 Sample : Q3393-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S10-000022-20251017

Quant Time: Oct 22 13:09:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

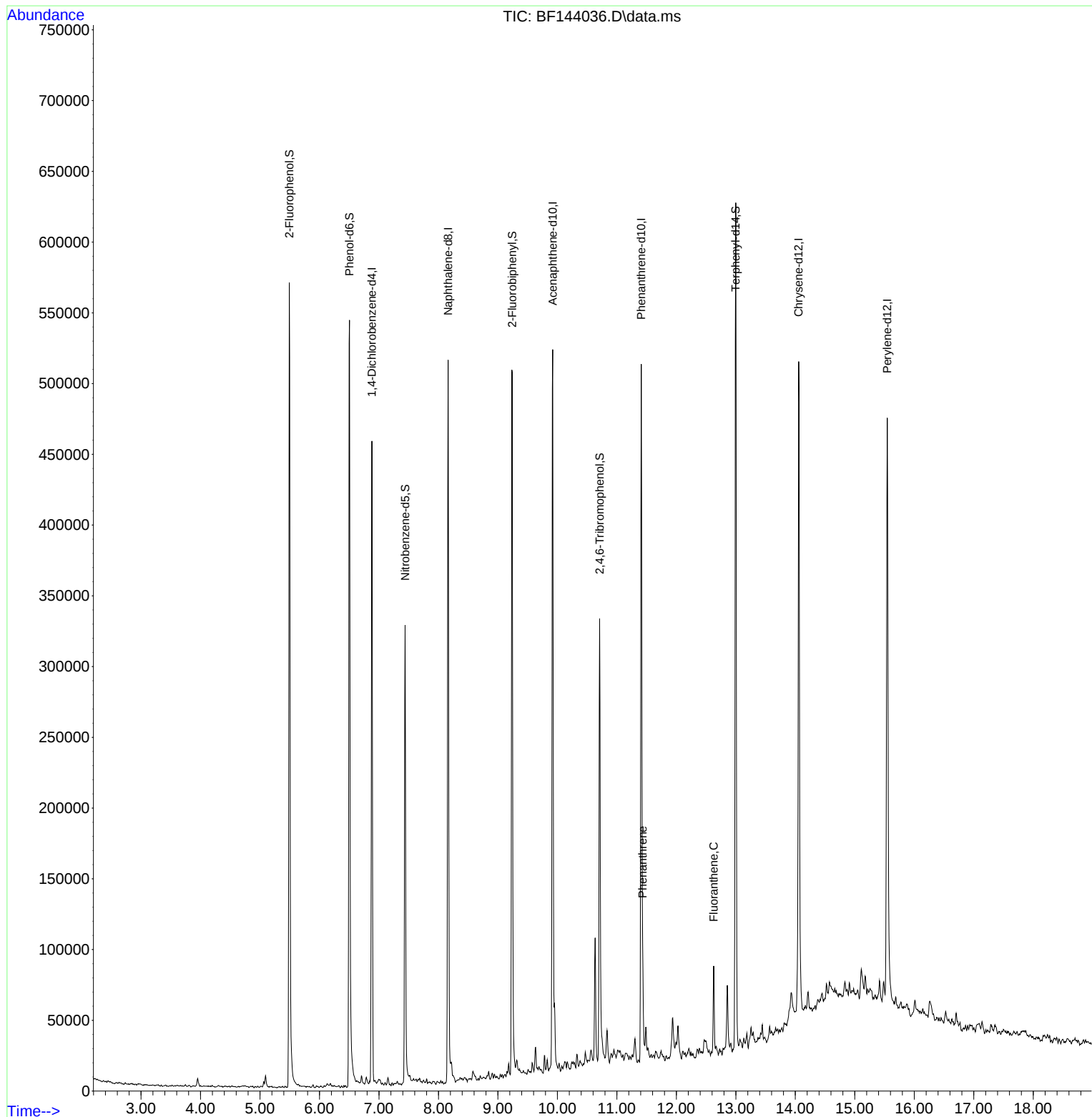
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	90843	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	335392	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	160805	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	269571	20.000	ng	0.00
76) Chrysene-d12	14.057	240	234635	20.000	ng	-0.01
86) Perylene-d12	15.545	264	281457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	247526	43.269	ng	0.00
7) Phenol-d6	6.504	99	278346	40.821	ng	-0.01
23) Nitrobenzene-d5	7.439	82	144668	26.206	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	58721	36.663	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	263423	25.993	ng	-0.01
79) Terphenyl-d14	12.998	244	306488	22.325	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	33352	2.552	ng	99
75) Fluoranthene	12.627	202	37179	2.754	ng	97

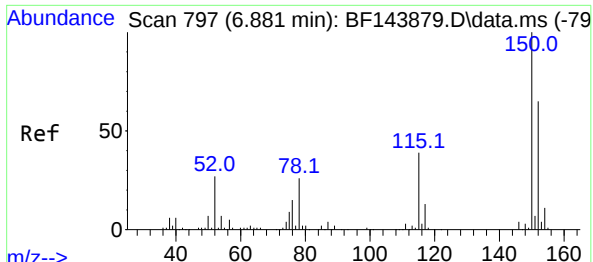
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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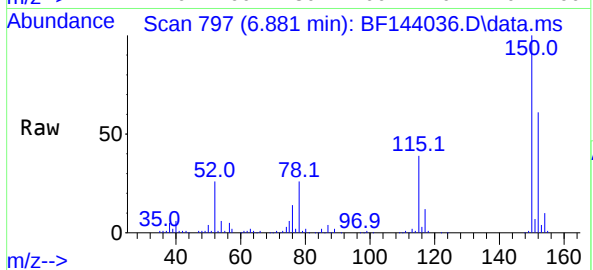
Quant Time: Oct 22 13:09:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
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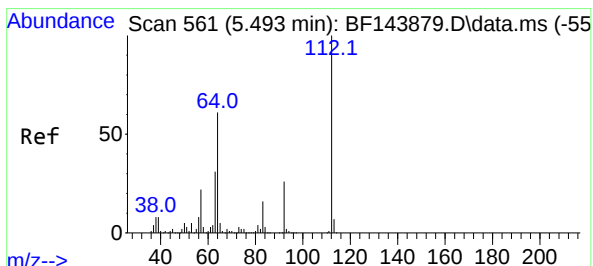
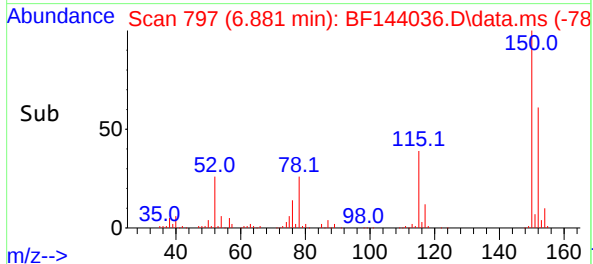
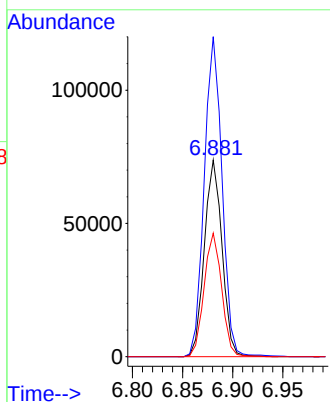


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

Instrument :
BNA_F
ClientSampleId :
PR132-S10-000022-20251017

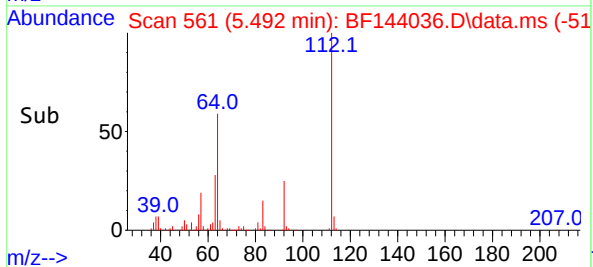
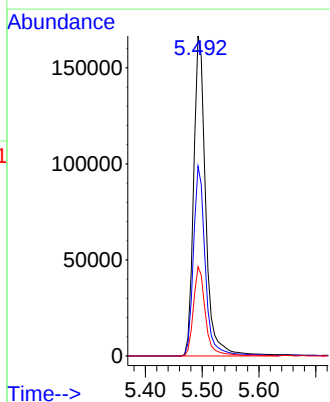
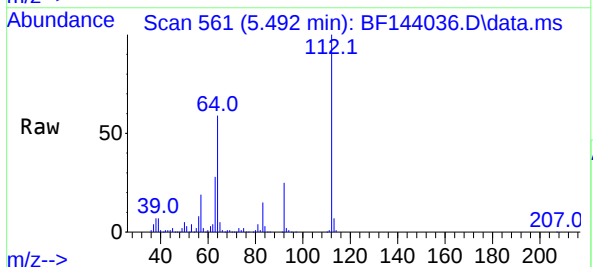


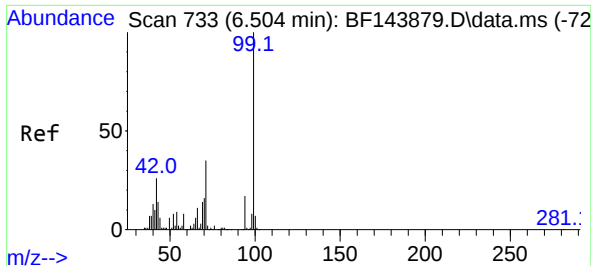
Tgt Ion:152 Resp: 90843
Ion Ratio Lower Upper
152 100
150 162.8 124.4 186.6
115 62.8 48.1 72.1



#5
2-Fluorophenol
Concen: 43.269 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

Tgt Ion:112 Resp: 247526
Ion Ratio Lower Upper
112 100
64 59.2 49.1 73.7
63 27.9 24.5 36.7

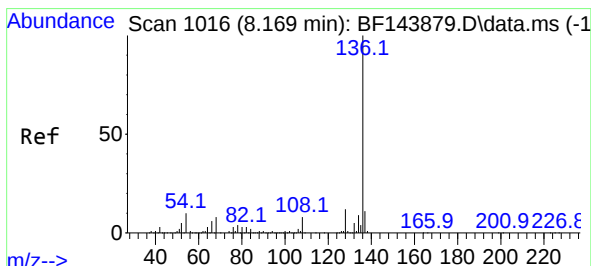
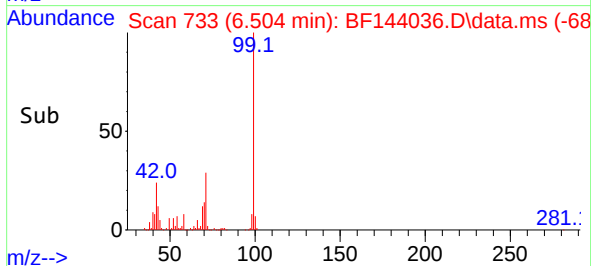
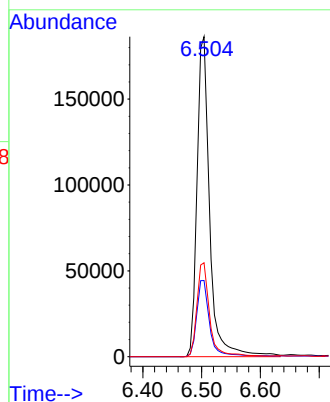
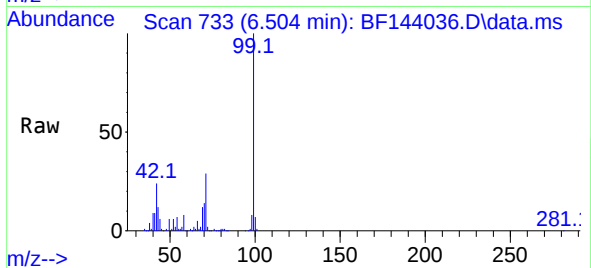




#7
Phenol-d6
Concen: 40.821 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

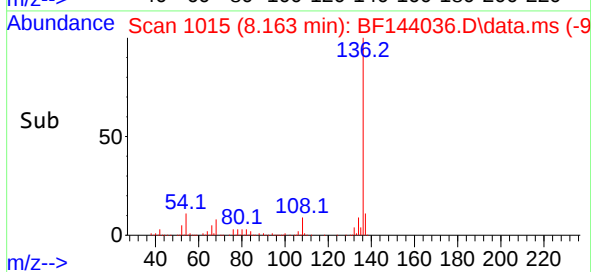
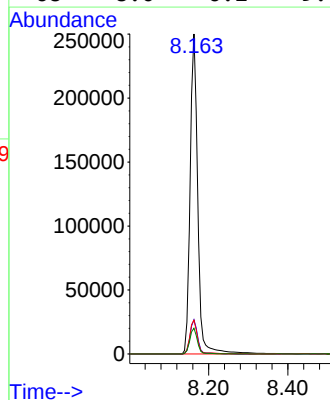
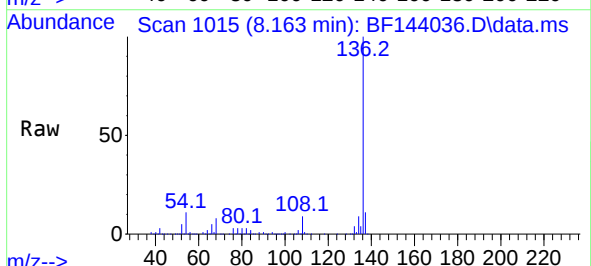
Instrument :
BNA_F
ClientSampleId :
PR132-S10-000022-20251017

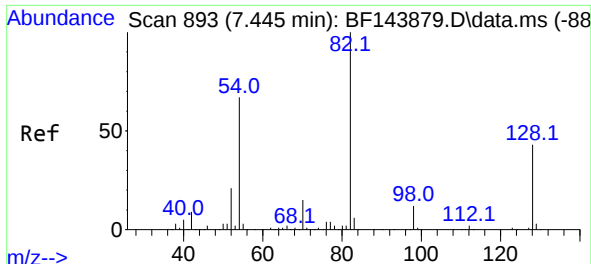
Tgt Ion:	99	Resp:	278346
Ion	Ratio	Lower	Upper
99	100		
42	23.8	21.0	31.4
71	29.4	27.8	41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

Tgt Ion:	136	Resp:	335392
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	10.6	8.2	12.4
68	8.0	6.2	9.4

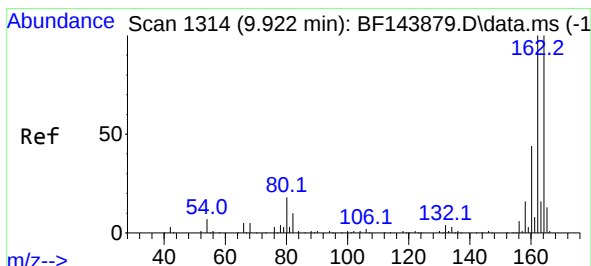
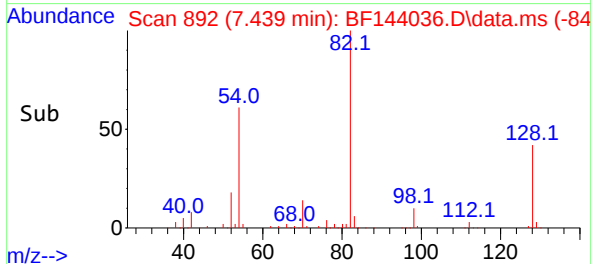
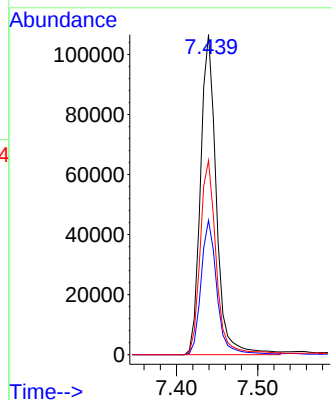
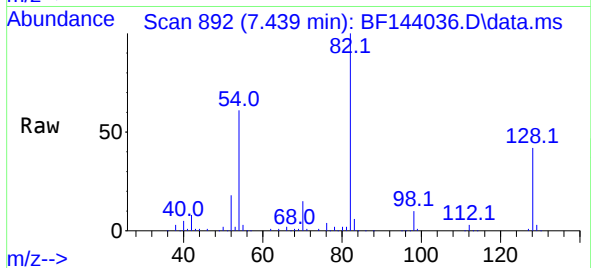




#23
Nitrobenzene-d5
Concen: 26.206 ng
RT: 7.439 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

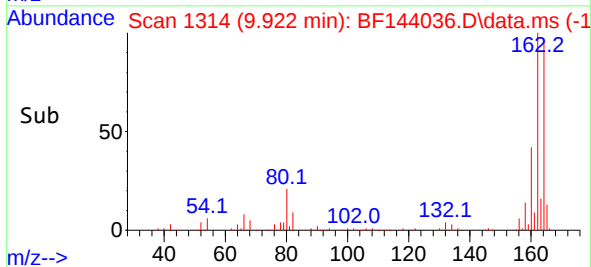
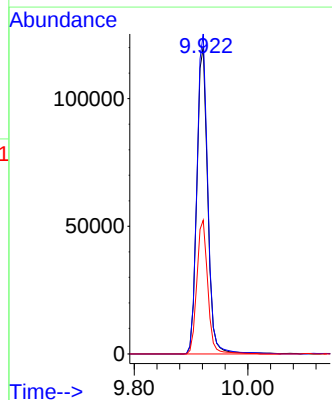
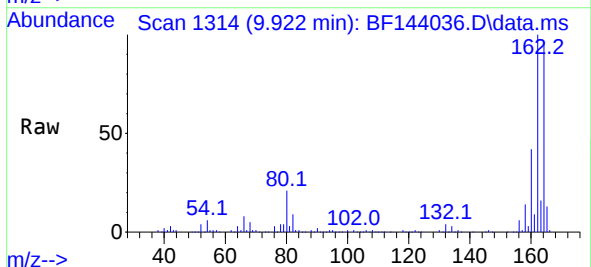
Instrument :
BNA_F
ClientSampleId :
PR132-S10-000022-20251017

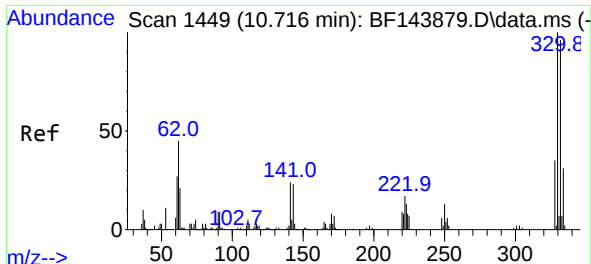
Tgt Ion: 82 Resp: 144668
Ion Ratio Lower Upper
82 100
128 42.0 34.0 51.0
54 60.7 53.2 79.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

Tgt Ion:164 Resp: 160805
Ion Ratio Lower Upper
164 100
162 104.3 80.2 120.2
160 43.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 36.663 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144036.D

Acq: 22 Oct 2025 12:26

Instrument :

BNA_F

ClientSampleId :

PR132-S10-000022-20251017

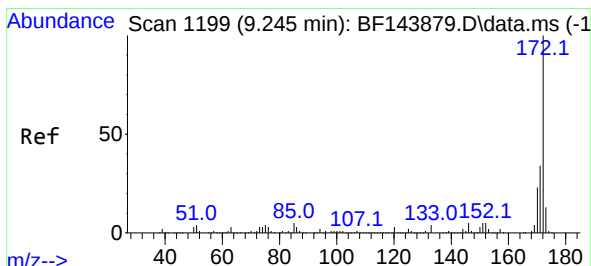
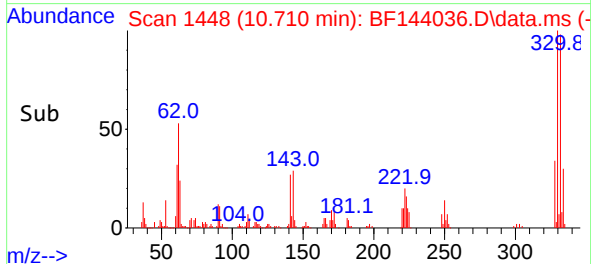
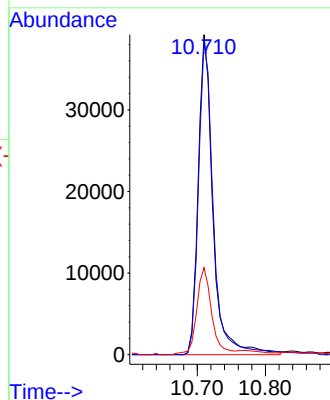
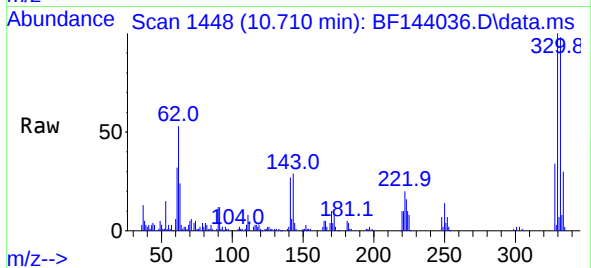
Tgt Ion:330 Resp: 58721

Ion Ratio Lower Upper

330 100

332 100.1 76.9 115.3

141 27.7 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 25.993 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144036.D

Acq: 22 Oct 2025 12:26

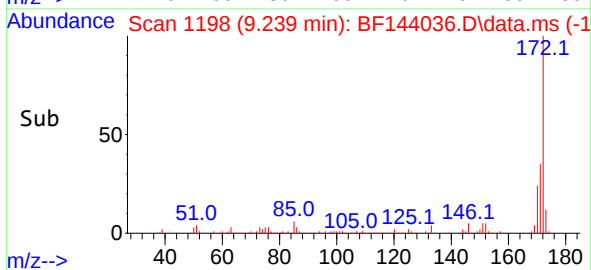
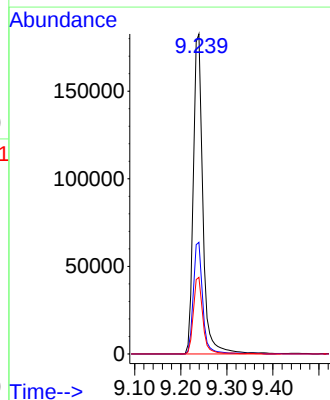
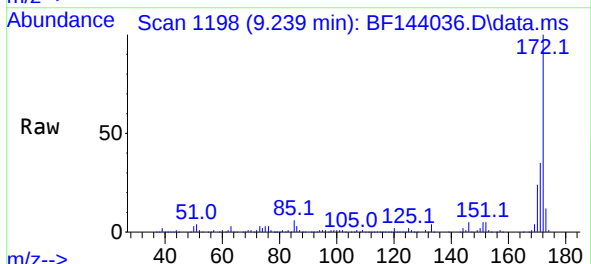
Tgt Ion:172 Resp: 263423

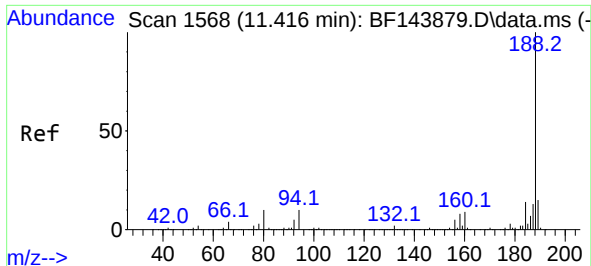
Ion Ratio Lower Upper

172 100

171 34.9 27.4 41.0

170 24.0 18.6 28.0

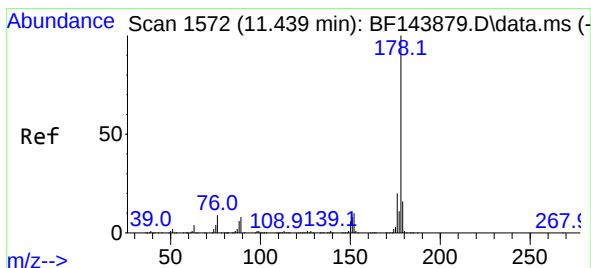
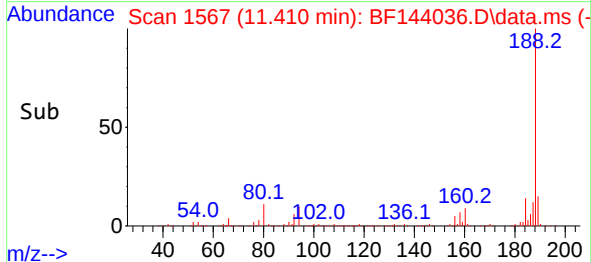
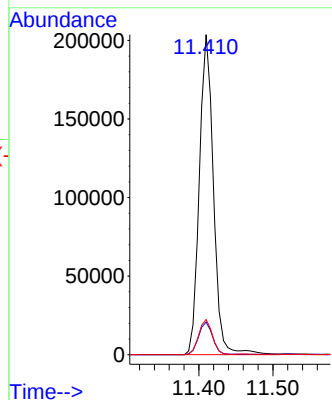
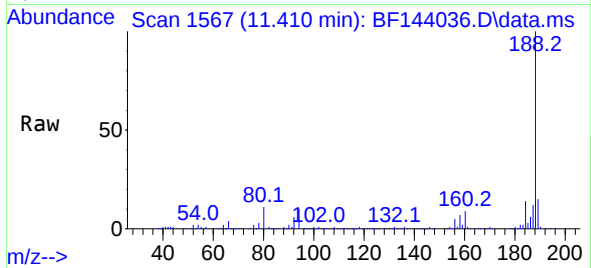




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

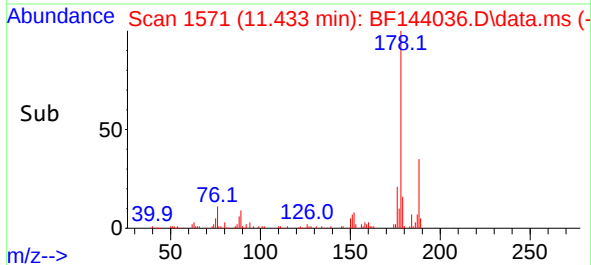
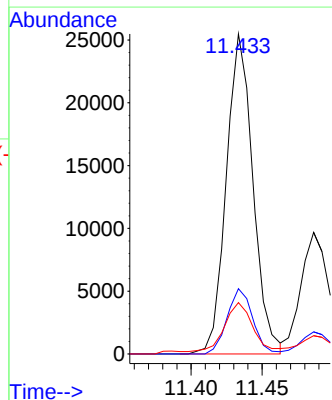
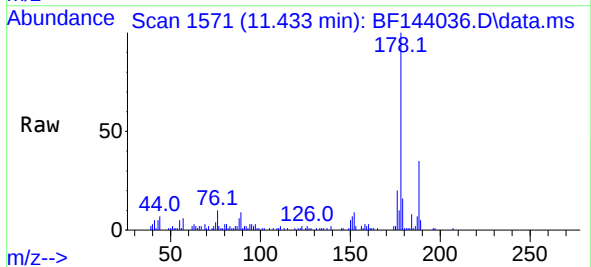
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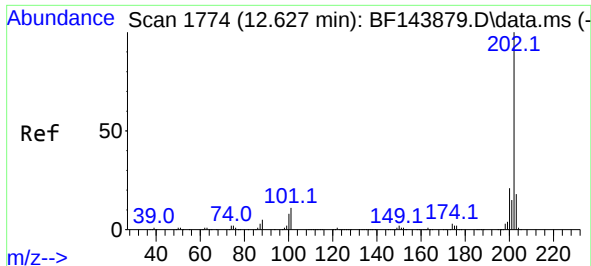
Tgt Ion:188 Resp: 269571
Ion Ratio Lower Upper
188 100
94 10.2 7.8 11.6
80 11.0 7.9 11.9



#71
Phenanthrene
Concen: 2.552 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

Tgt Ion:178 Resp: 33352
Ion Ratio Lower Upper
178 100
176 20.4 15.9 23.9
179 16.1 12.4 18.6

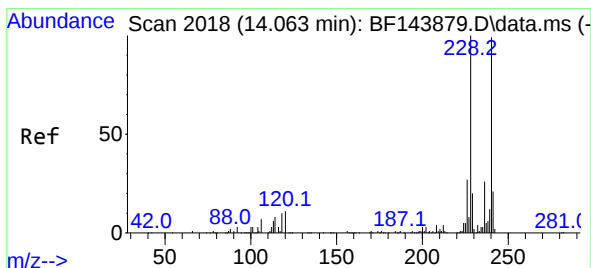
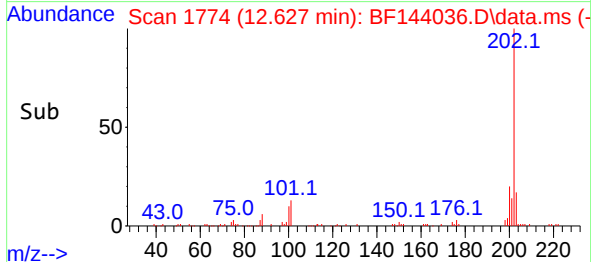
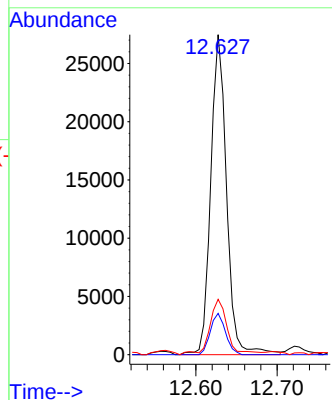
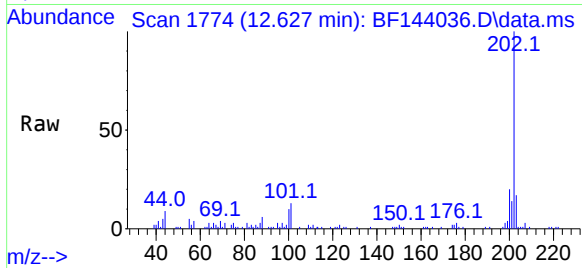




#75
Fluoranthene
Concen: 2.754 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

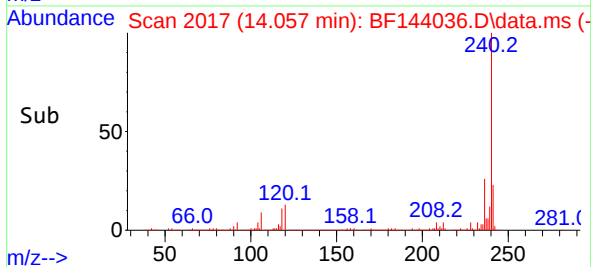
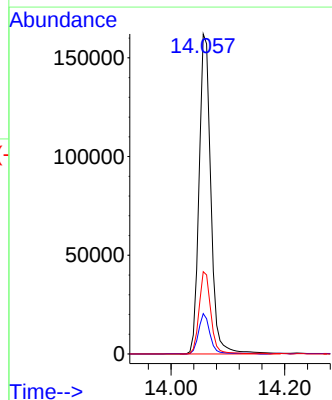
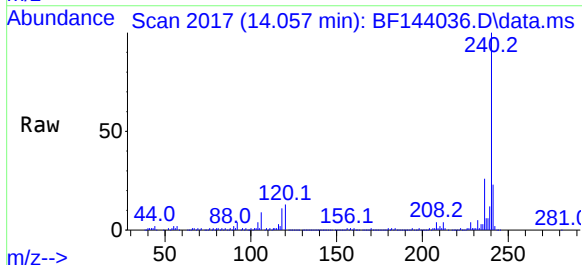
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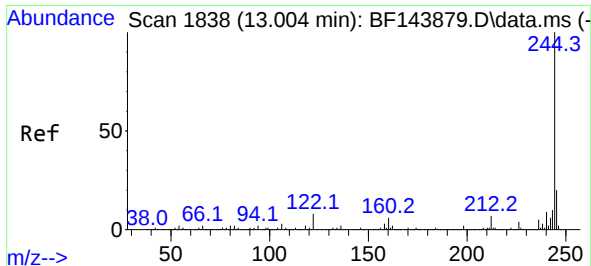
Tgt Ion:	202	Resp:	37179
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	30.7
203	17.3	0.0	37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

Tgt Ion:	240	Resp:	234635
Ion	Ratio	Lower	Upper
240	100		
120	12.6	8.6	13.0
236	25.7	21.1	31.7

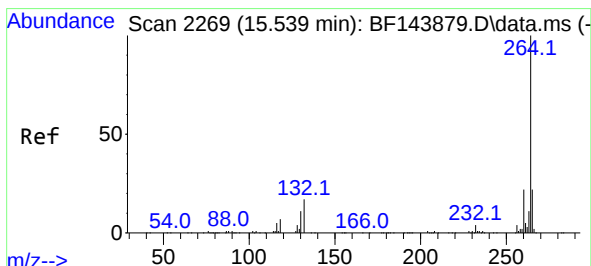
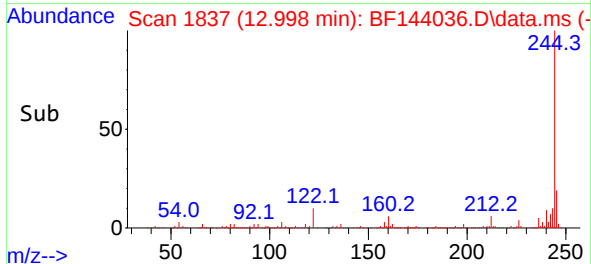
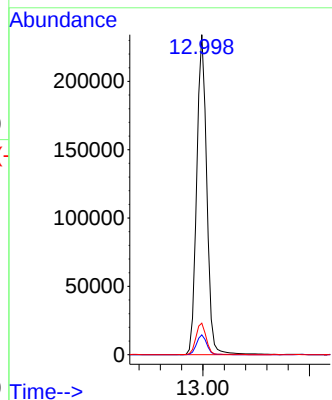
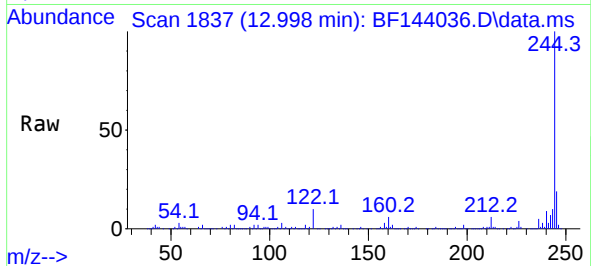




#79
Terphenyl-d14
Concen: 22.325 ng
RT: 12.998 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

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Tgt Ion:244 Resp: 306488
Ion Ratio Lower Upper
244 100
212 6.2 5.4 8.0
122 9.9 6.4 9.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

Tgt Ion:264 Resp: 281457
Ion Ratio Lower Upper
264 100
260 20.6 17.8 26.8
265 21.4 17.5 26.3

