

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144035.D
 Acq On : 22 Oct 2025 11:57
 Operator : RC/JU
 Sample : Q3393-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S08-000013-20251017

Quant Time: Oct 22 12:34:18 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)

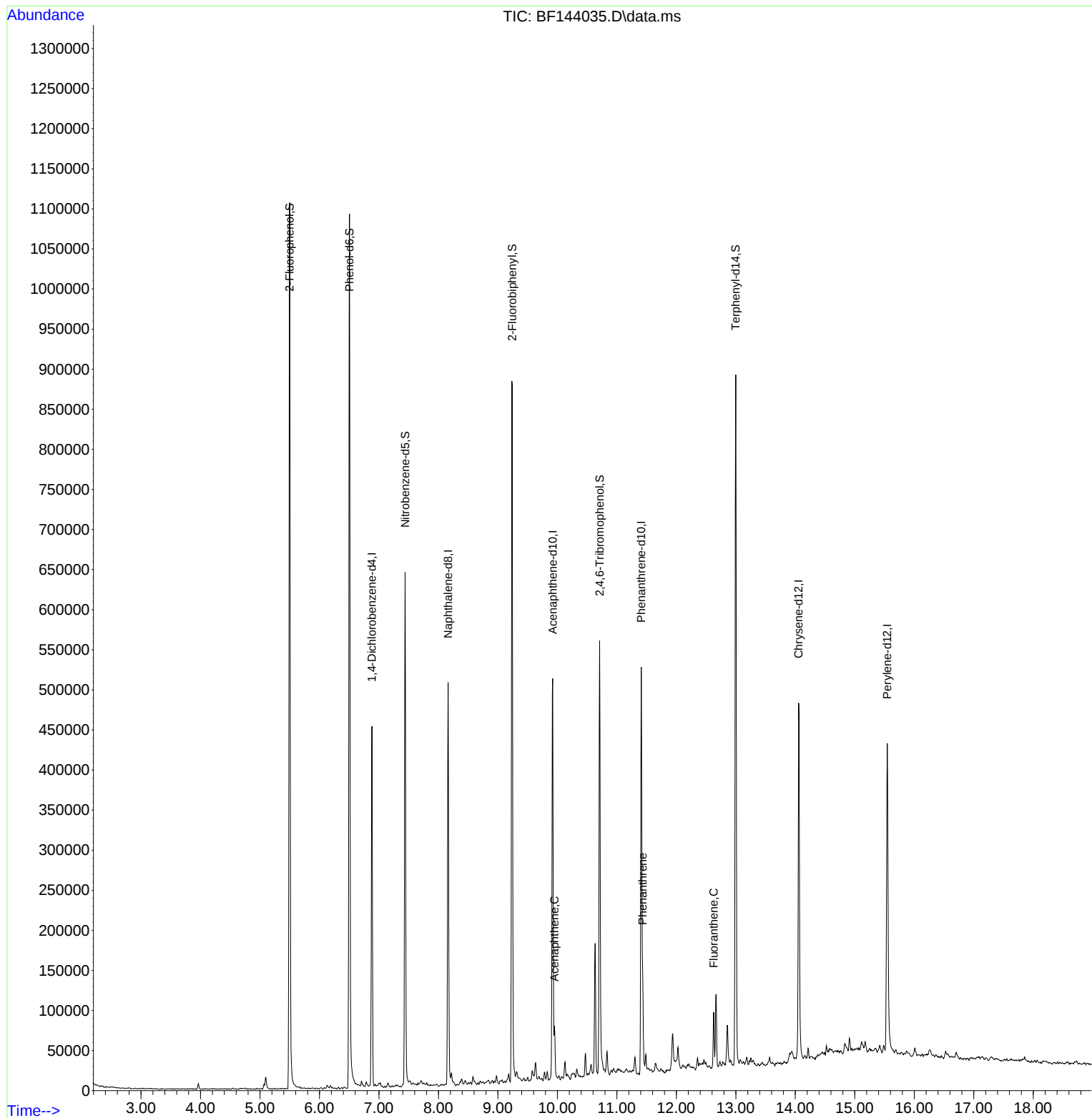
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	88270	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	318764	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	158279	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	268616	20.000	ng	0.00
76) Chrysene-d12	14.057	240	224762	20.000	ng	-0.01
86) Perylene-d12	15.545	264	269273	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	430202	77.394	ng	0.00
7) Phenol-d6	6.504	99	497196	75.041	ng	-0.01
23) Nitrobenzene-d5	7.439	82	269327	51.332	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	101163	64.170	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	440518	44.162	ng	-0.01
79) Terphenyl-d14	12.998	244	439602	33.427	ng	-0.01
Target Compounds						
					Qvalue	
52) Acenaphthene	9.951	154	17575	2.184	ng	96
71) Phenanthrene	11.433	178	59586	4.576	ng	98
75) Fluoranthene	12.627	202	38970	2.897	ng	95

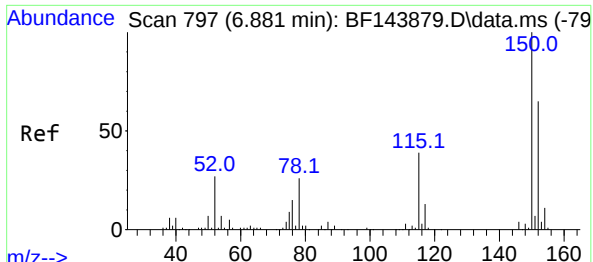
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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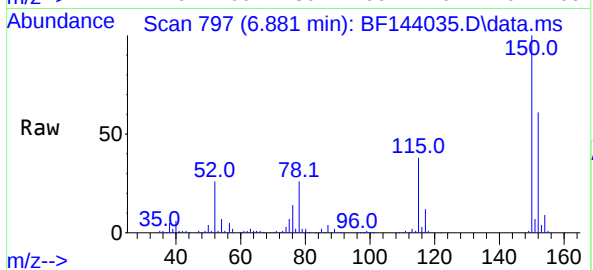
Quant Time: Oct 22 12:34:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



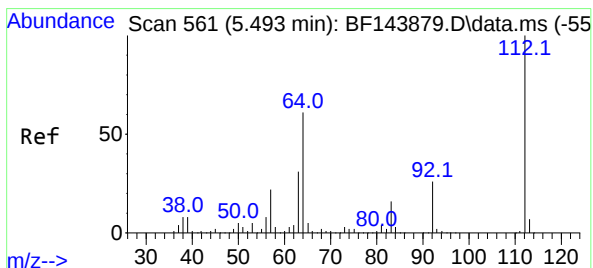
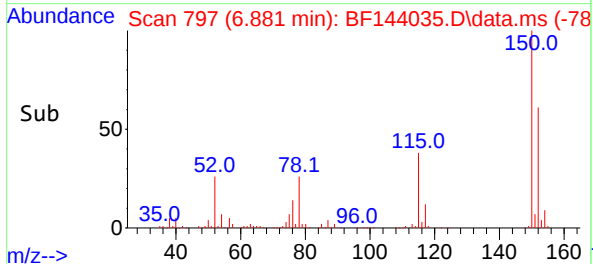
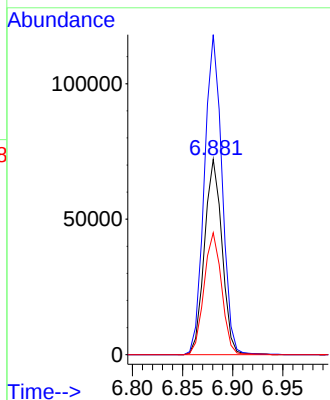


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

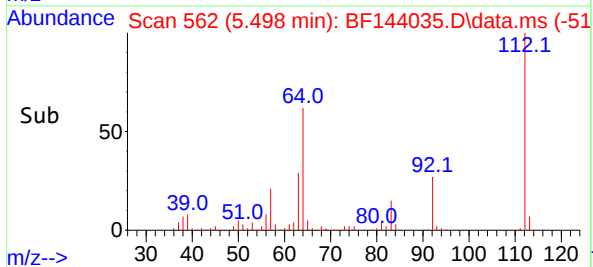
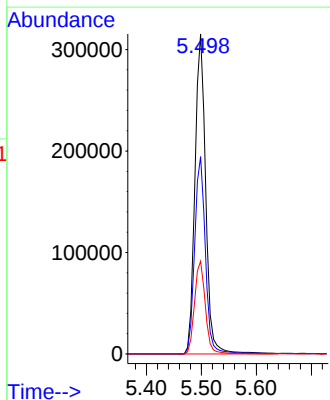
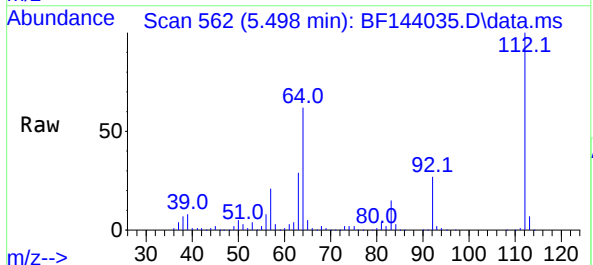


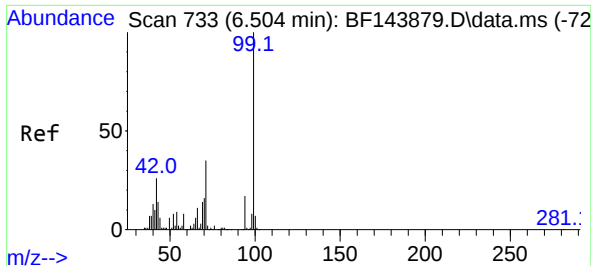
Tgt Ion:152 Resp: 88270
Ion Ratio Lower Upper
152 100
150 163.9 124.4 186.6
115 62.4 48.1 72.1



#5
2-Fluorophenol
Concen: 77.394 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Tgt Ion:112 Resp: 430202
Ion Ratio Lower Upper
112 100
64 61.6 49.1 73.7
63 29.0 24.5 36.7

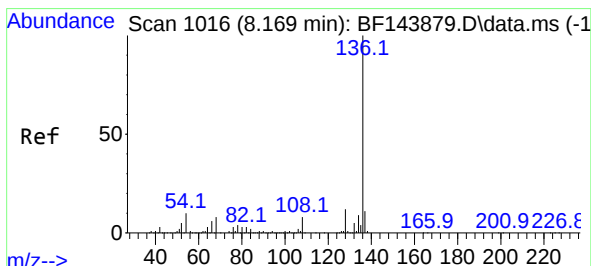
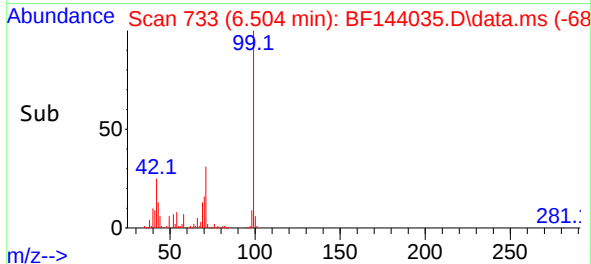
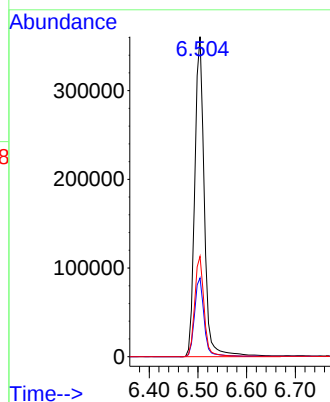
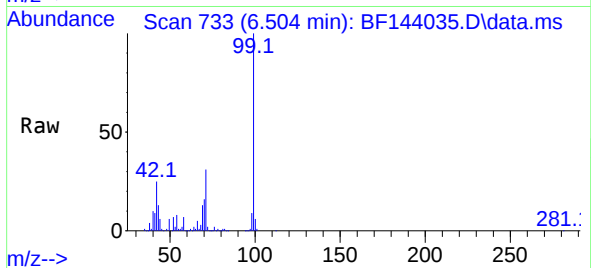




#7
Phenol-d6
Concen: 75.041 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

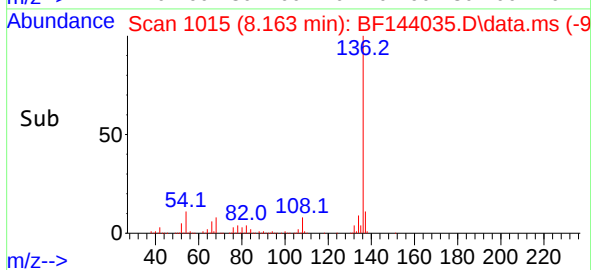
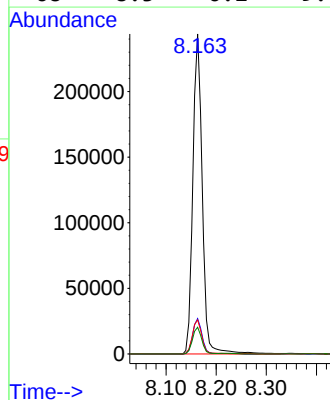
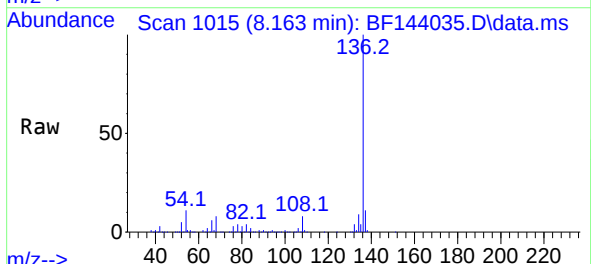
Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

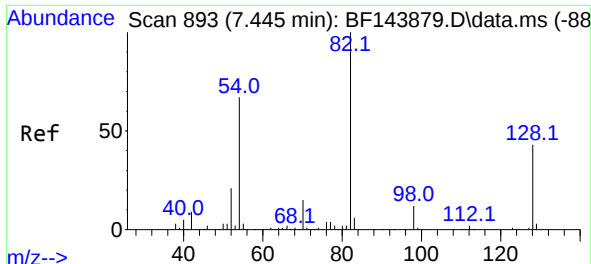
Tgt Ion: 99 Resp: 497196
Ion Ratio Lower Upper
99 100
42 24.6 21.0 31.4
71 31.4 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Tgt Ion:136 Resp: 318764
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.6 8.2 12.4
68 8.3 6.2 9.4

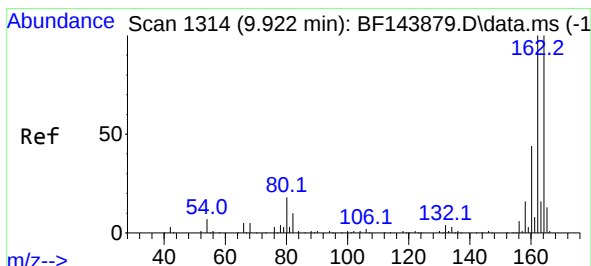
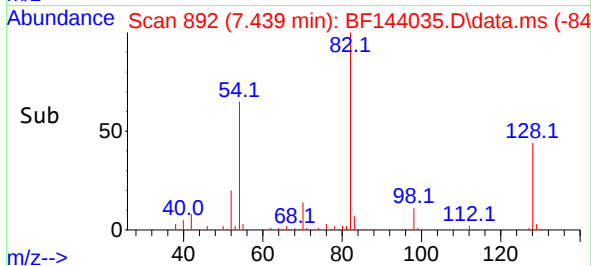
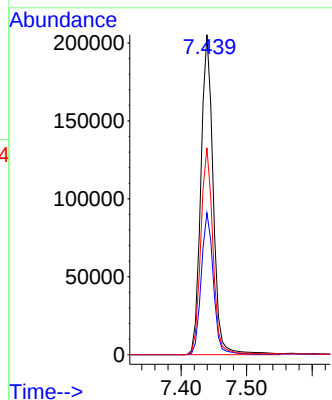
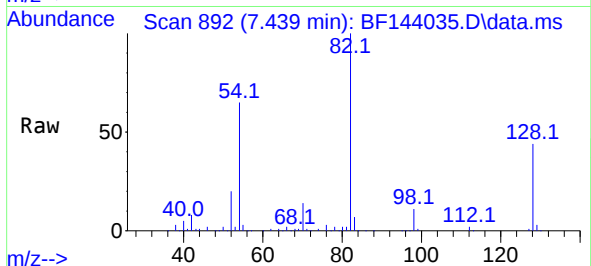




#23
Nitrobenzene-d5
Concen: 51.332 ng
RT: 7.439 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

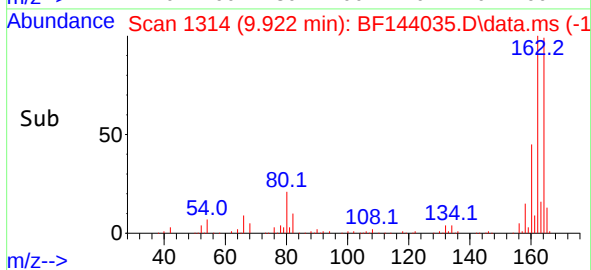
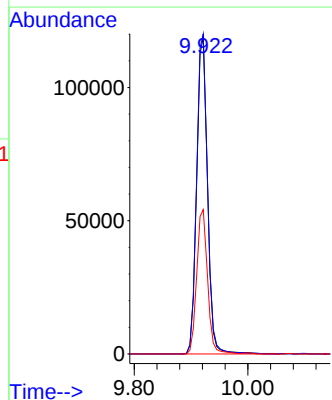
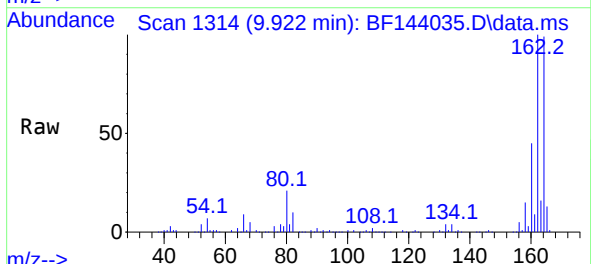
Instrument :
BNA_F
ClientSampleId :
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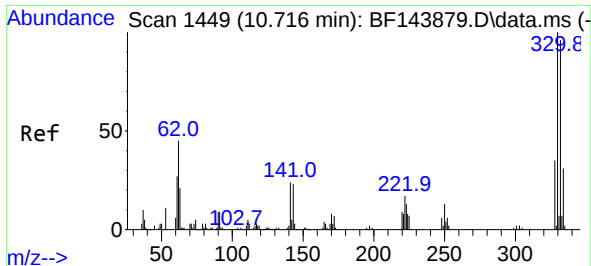
Tgt Ion: 82 Resp: 269327
Ion Ratio Lower Upper
82 100
128 44.3 34.0 51.0
54 64.7 53.2 79.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

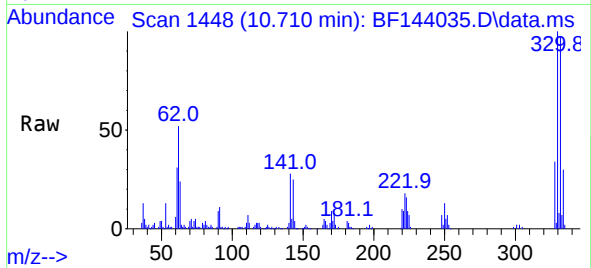
Tgt Ion:164 Resp: 158279
Ion Ratio Lower Upper
164 100
162 101.1 80.2 120.2
160 45.6 35.4 53.0



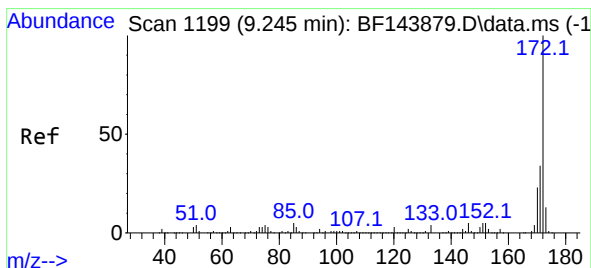
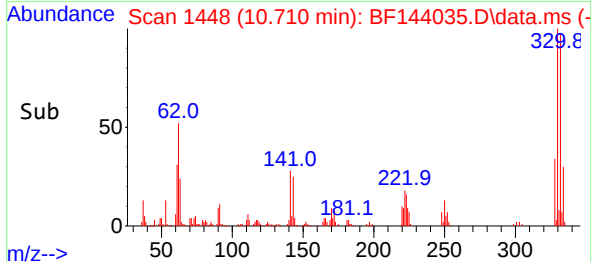
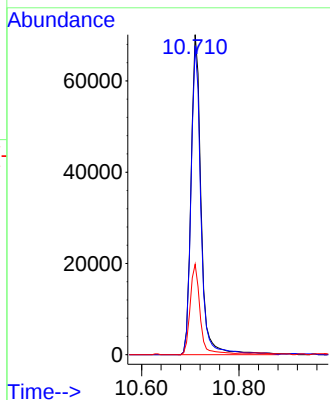


#42
2,4,6-Tribromophenol
Concen: 64.170 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

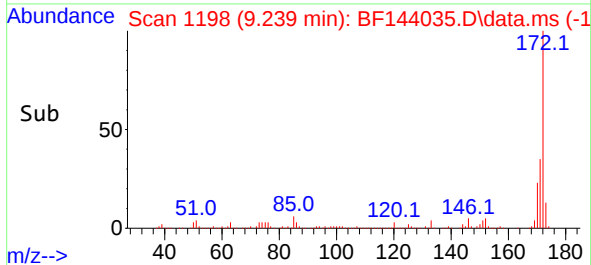
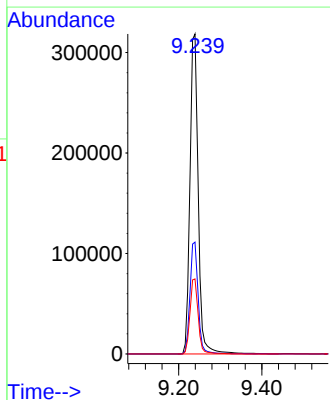
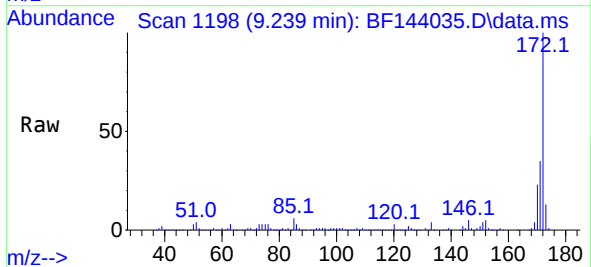


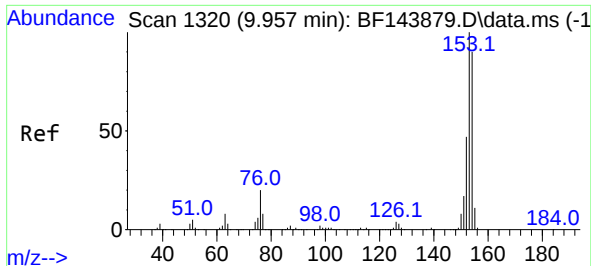
Tgt Ion:330 Resp: 101163
Ion Ratio Lower Upper
330 100
332 94.1 76.9 115.3
141 28.0 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 44.162 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Tgt Ion:172 Resp: 440518
Ion Ratio Lower Upper
172 100
171 35.0 27.4 41.0
170 23.5 18.6 28.0

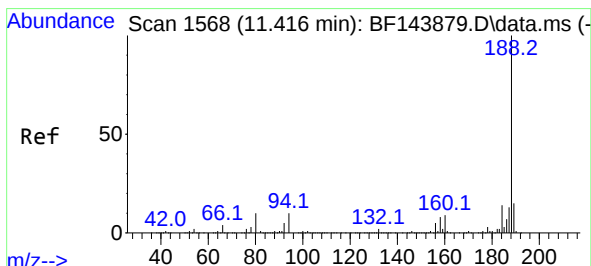
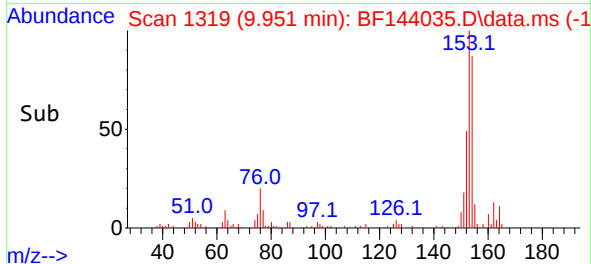
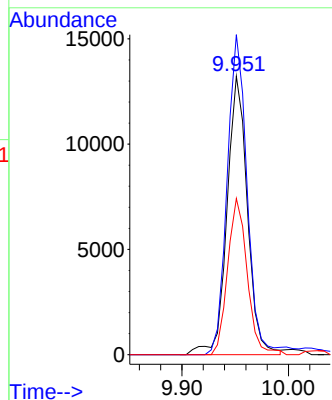
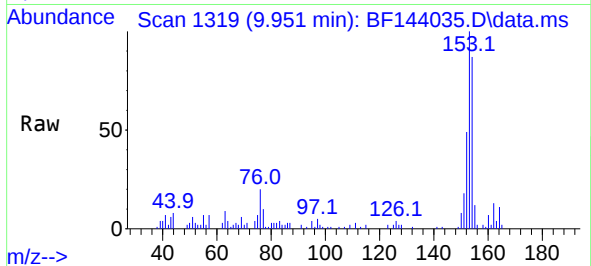




#52
Acenaphthene
Concen: 2.184 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

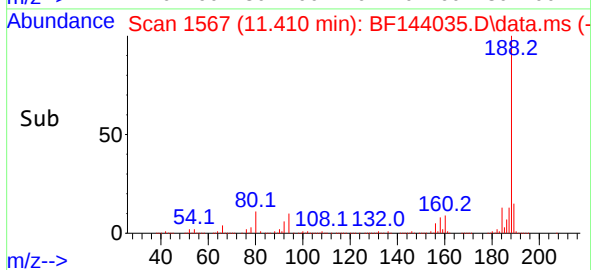
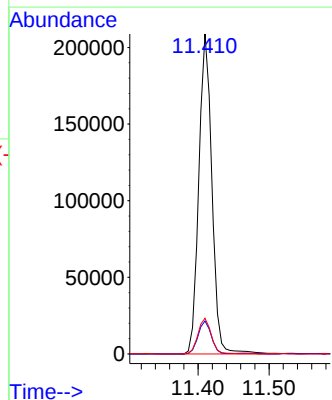
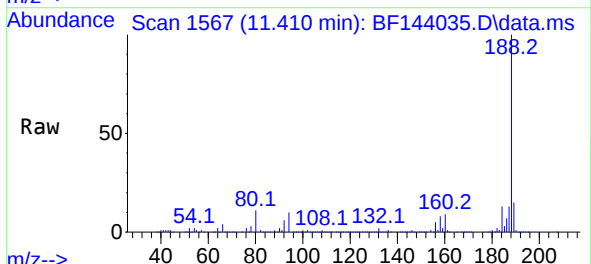
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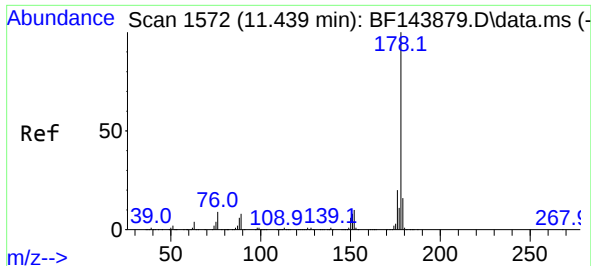
Tgt Ion:154 Resp: 17575
Ion Ratio Lower Upper
154 100
153 114.9 89.3 133.9
152 56.1 42.2 63.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Tgt Ion:188 Resp: 268616
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 11.2 7.9 11.9

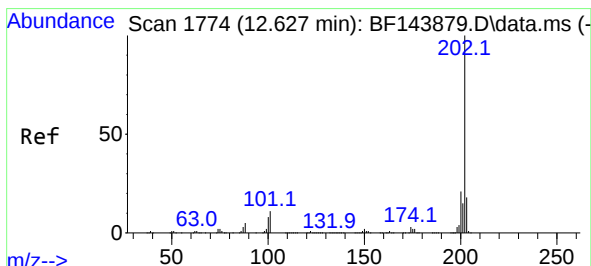
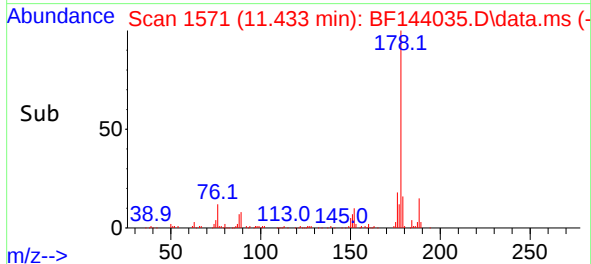
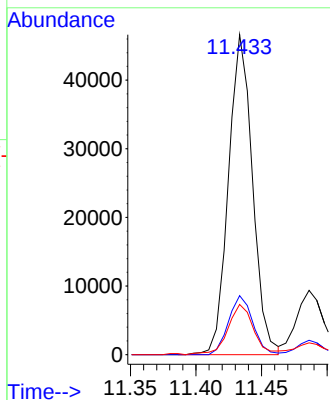
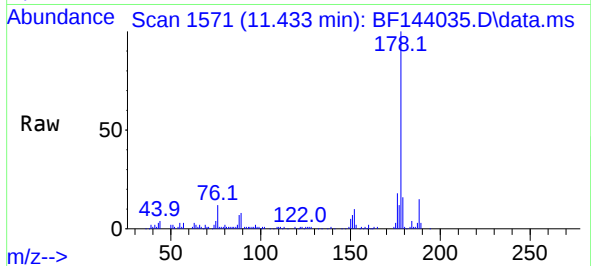




#71
Phenanthrene
Concen: 4.576 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

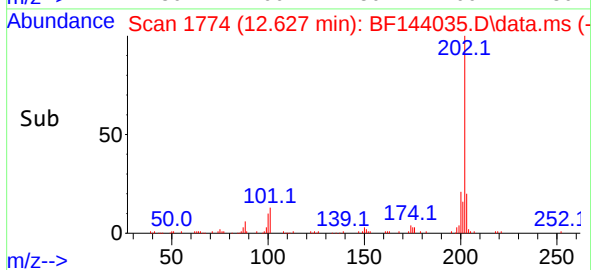
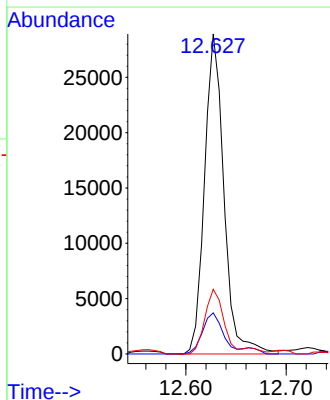
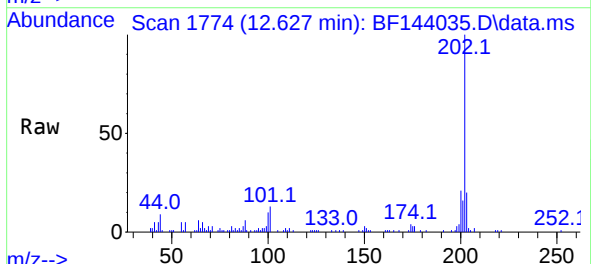
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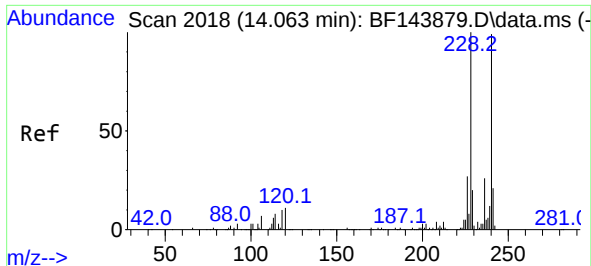
Tgt Ion:	178	Resp:	59586
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.9	23.9
179	15.7	12.4	18.6



#75
Fluoranthene
Concen: 2.897 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

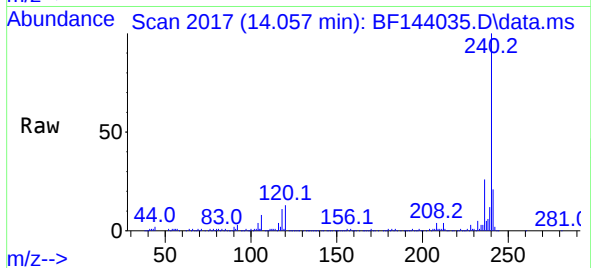
Tgt Ion:	202	Resp:	38970
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	30.7
203	20.2	0.0	37.8



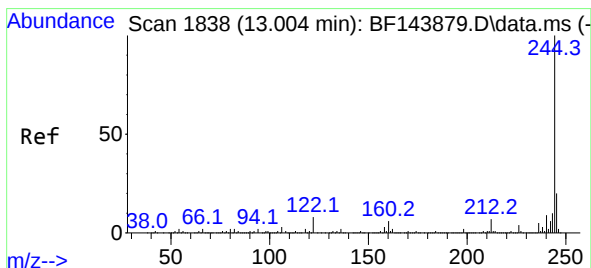
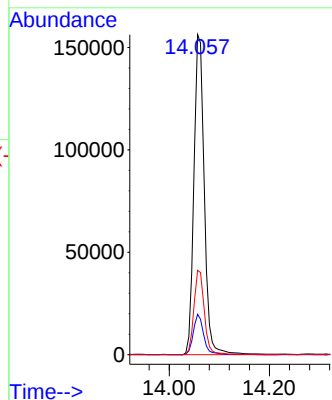
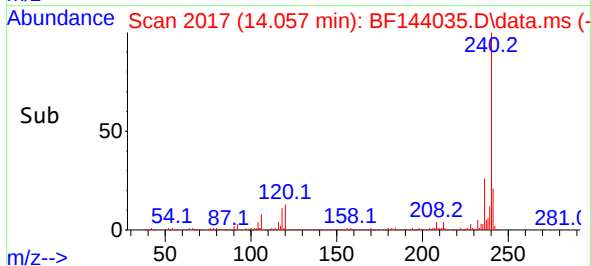


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

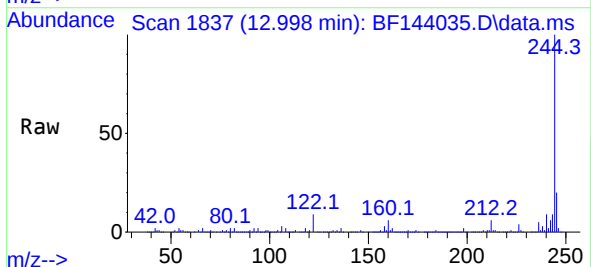
Instrument :
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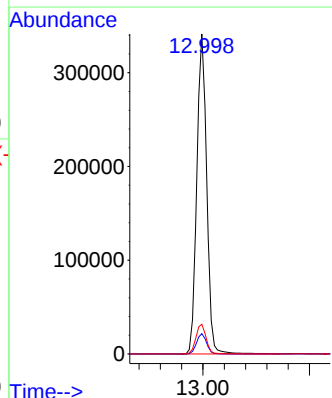
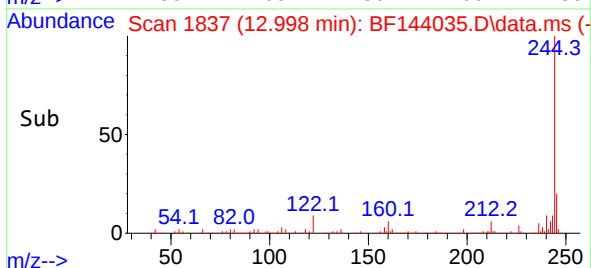
Tgt Ion:240 Resp: 224762
Ion Ratio Lower Upper
240 100
120 12.6 8.6 13.0
236 26.3 21.1 31.7

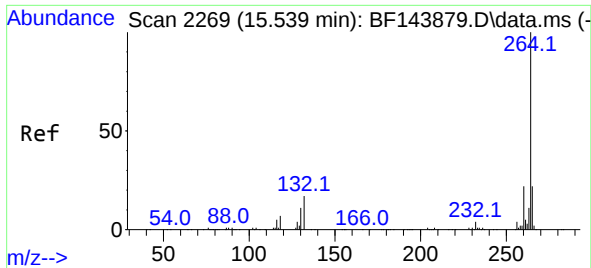


#79
Terphenyl-d14
Concen: 33.427 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57



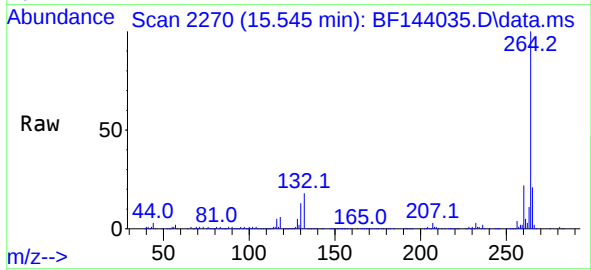
Tgt Ion:244 Resp: 439602
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 9.3 6.4 9.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017



Tgt Ion:264 Resp: 269273
Ion Ratio Lower Upper
264 100
260 21.9 17.8 26.8
265 21.5 17.5 26.3

