

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141508.D
 Acq On : 07 Feb 2025 15:31
 Operator : RC/JU
 Sample : Q1285-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11977

Quant Time: Feb 07 16:09:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

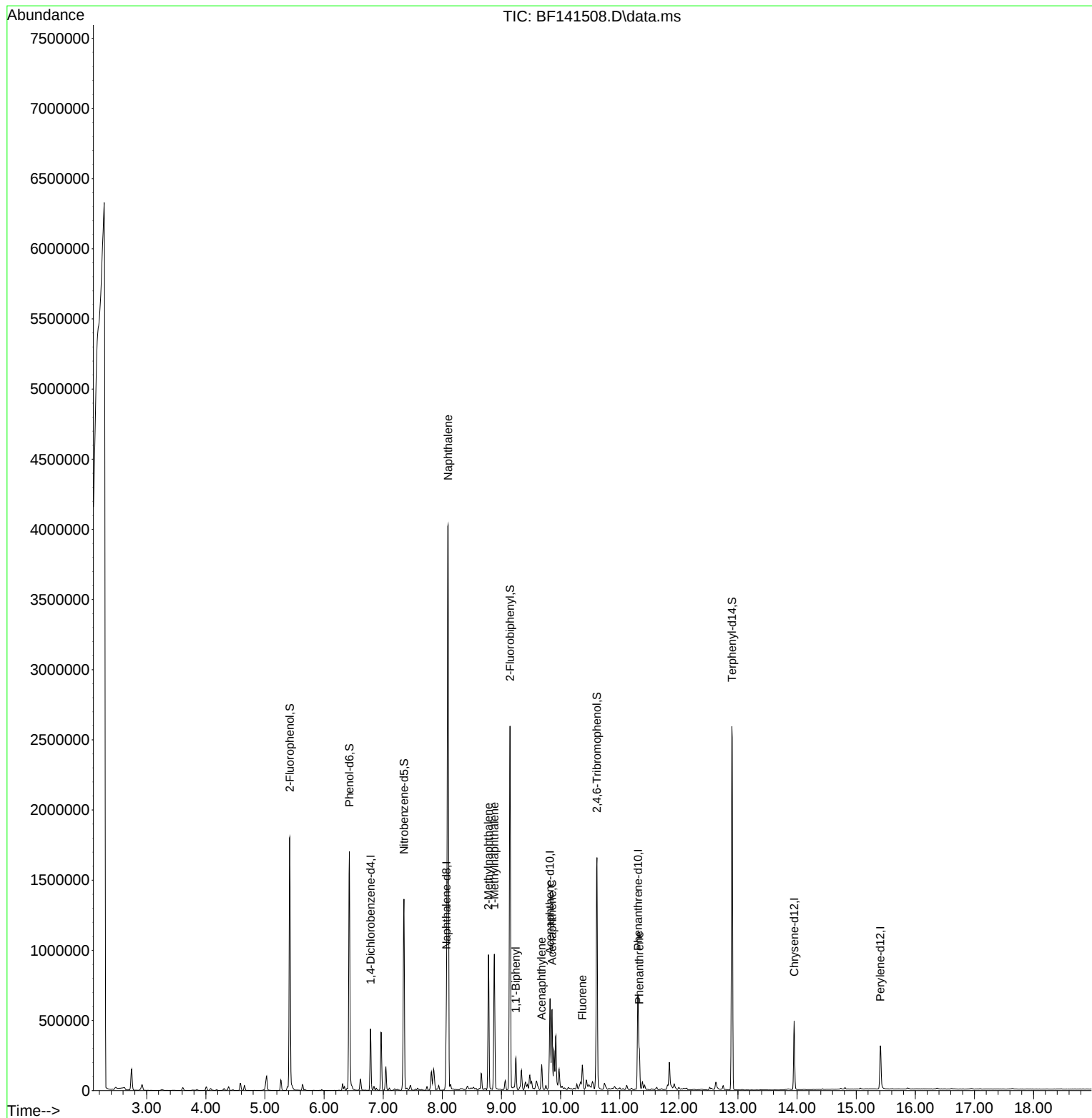
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	87319	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	344938	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	192108	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	339044	20.000	ng	0.00
76) Chrysene-d12	13.951	240	237285	20.000	ng	-0.01
86) Perylene-d12	15.410	264	185751	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	688085	123.540	ng	0.01
7) Phenol-d6	6.428	99	775226	110.122	ng	-0.01
23) Nitrobenzene-d5	7.351	82	615423	93.058	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	277376	143.732	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1163191	93.284	ng	0.00
79) Terphenyl-d14	12.898	244	1324096	94.203	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.098	128	2933109	163.356	ng	99
37) 2-Methylnaphthalene	8.781	142	359258	30.748	ng	99
38) 1-Methylnaphthalene	8.881	142	357746	31.613	ng	98
46) 1,1'-Biphenyl	9.245	154	106232	7.133	ng	99
49) Acenaphthylene	9.681	152	89379	5.456	ng	98
52) Acenaphthene	9.857	154	184617	16.764	ng	98
58) Fluorene	10.369	166	74288	5.944	ng	96
71) Phenanthrene	11.333	178	150199	8.048	ng	100

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

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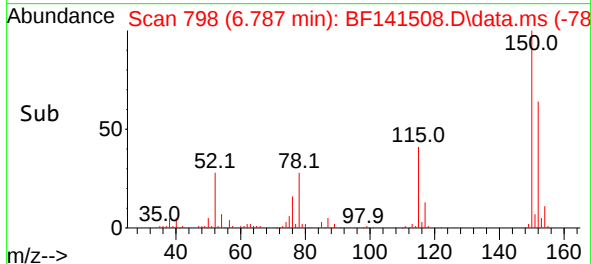
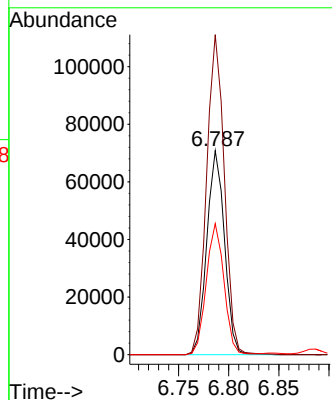
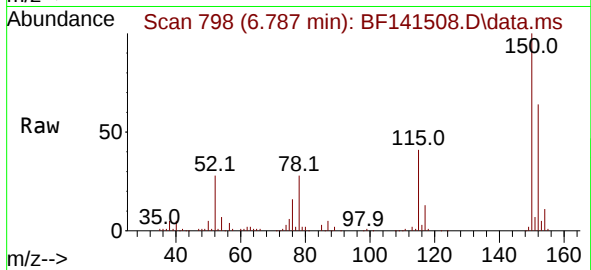




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141508.D
 Acq: 07 Feb 2025 15:31

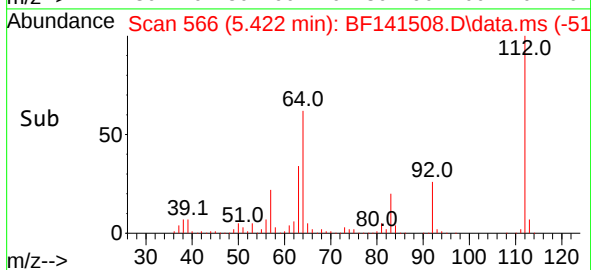
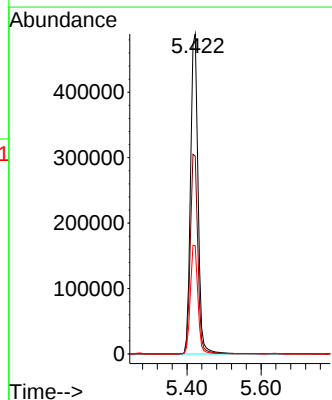
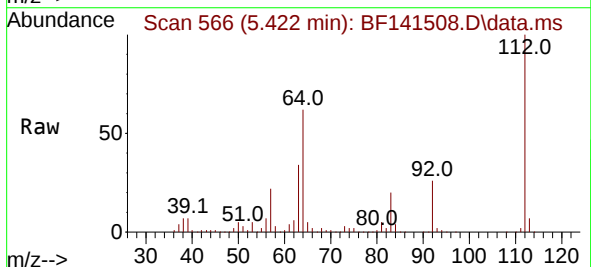
Instrument :
 BNA_F
 ClientSampleId :
 72-11977

Tgt Ion:152 Resp: 87319
 Ion Ratio Lower Upper
 152 100
 150 156.8 125.0 187.4
 115 64.3 53.6 80.4



#5
 2-Fluorophenol
 Concen: 123.540 ng
 RT: 5.422 min Scan# 566
 Delta R.T. 0.012 min
 Lab File: BF141508.D
 Acq: 07 Feb 2025 15:31

Tgt Ion:112 Resp: 688085
 Ion Ratio Lower Upper
 112 100
 64 61.9 51.1 76.7
 63 33.8 28.4 42.6





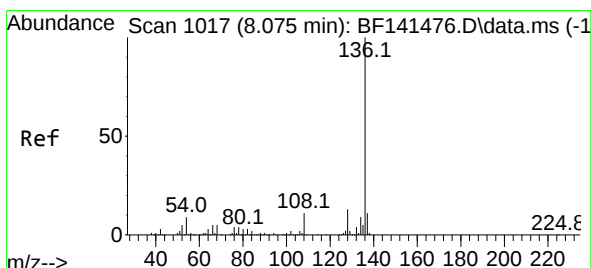
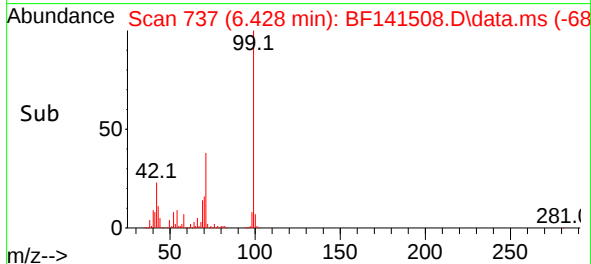
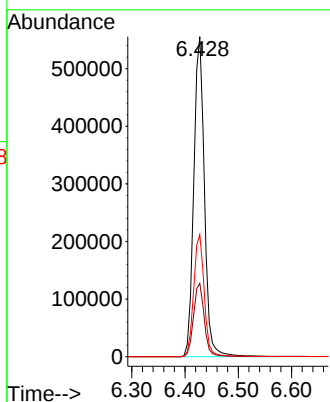
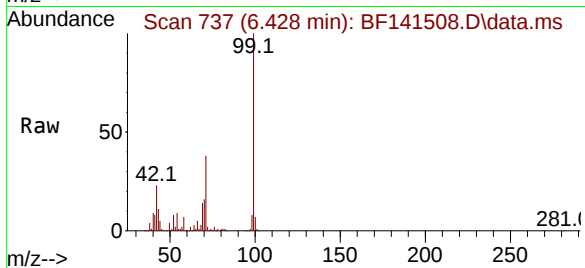
#7
Phenol-d6
Concen: 110.122 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

Instrument :

BNA_F

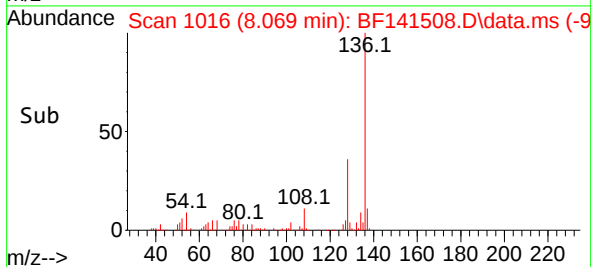
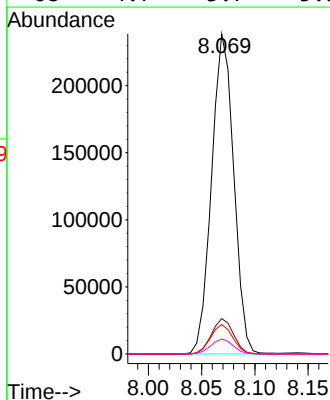
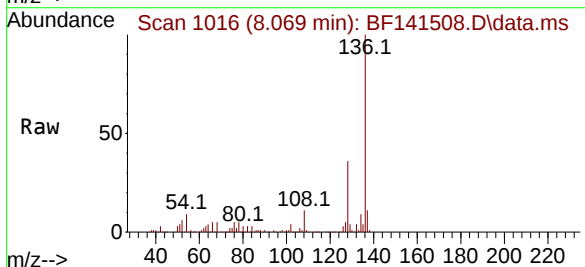
ClientSampleId :
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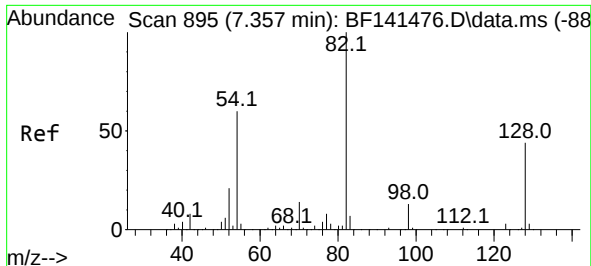
Tgt Ion: 99 Resp: 775226
Ion Ratio Lower Upper
99 100
42 22.9 19.1 28.7
71 38.2 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

Tgt Ion: 136 Resp: 344938
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.2 7.2 10.8
68 4.7 3.7 5.5

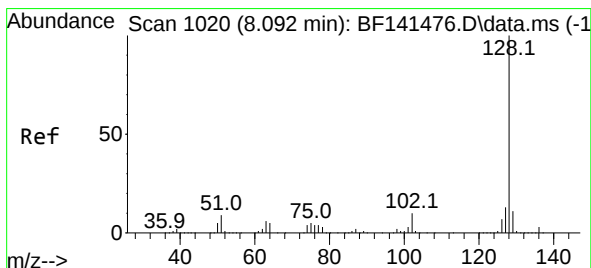
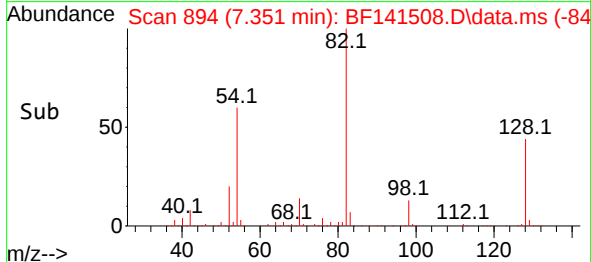
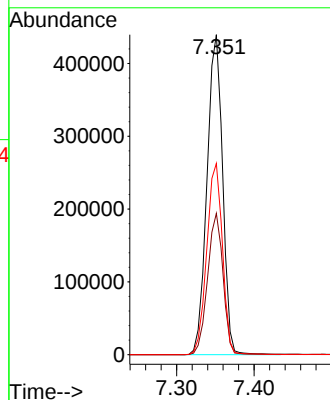
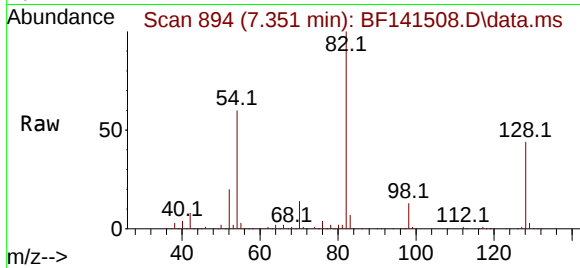




#23
Nitrobenzene-d5
Concen: 93.058 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

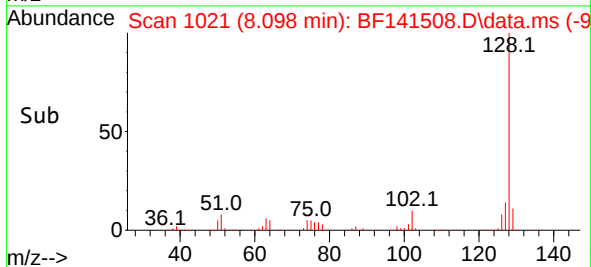
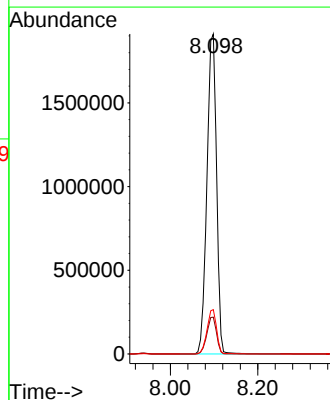
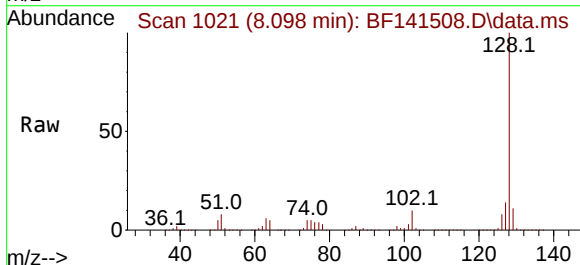
Instrument :
BNA_F
ClientSampleId :
72-11977

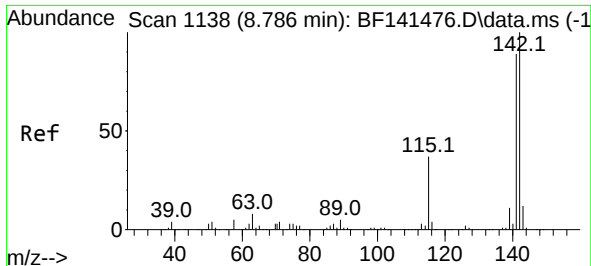
Tgt Ion: 82 Resp: 615423
Ion Ratio Lower Upper
82 100
128 44.2 34.8 52.2
54 59.7 48.2 72.4



#31
Naphthalene
Concen: 163.356 ng
RT: 8.098 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

Tgt Ion:128 Resp: 2933109
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 13.9 10.7 16.1

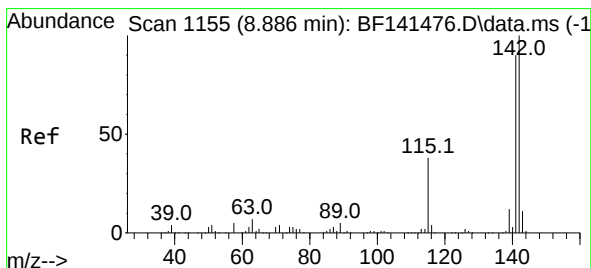
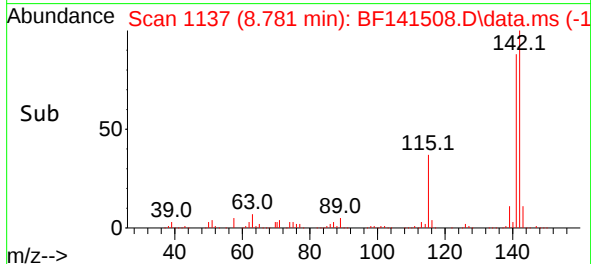
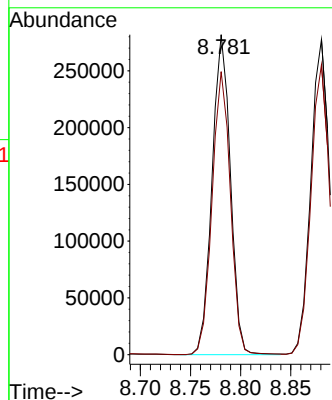
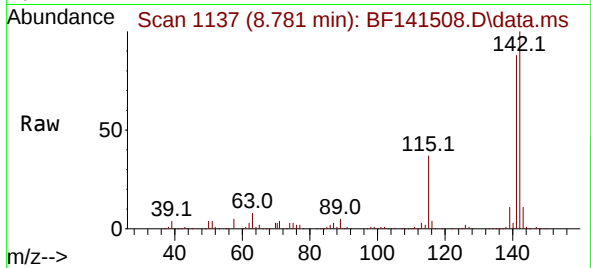




#37
2-Methylnaphthalene
Concen: 30.748 ng
RT: 8.781 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

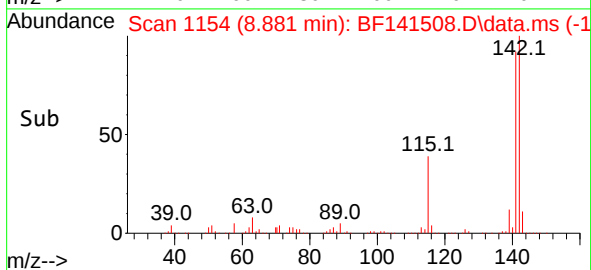
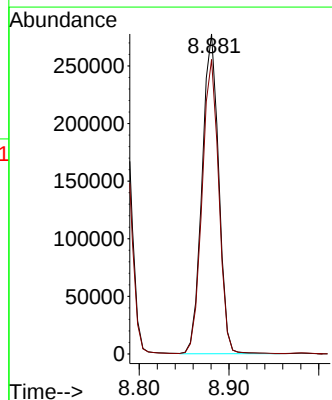
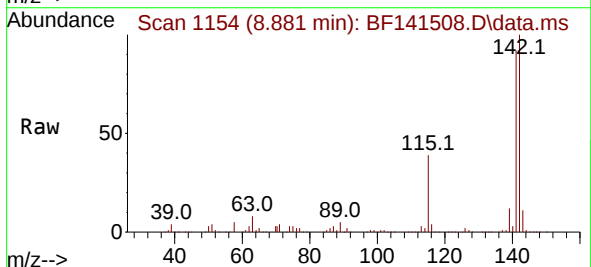
Instrument :
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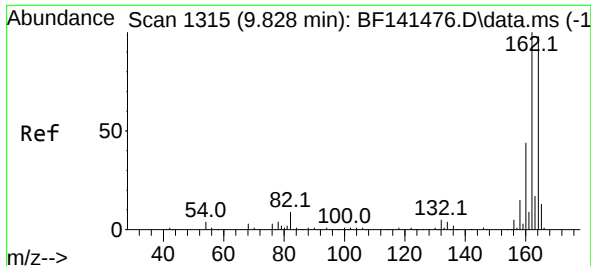
Tgt Ion:142 Resp: 359258
Ion Ratio Lower Upper
142 100
141 88.5 71.2 106.8



#38
1-Methylnaphthalene
Concen: 31.613 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

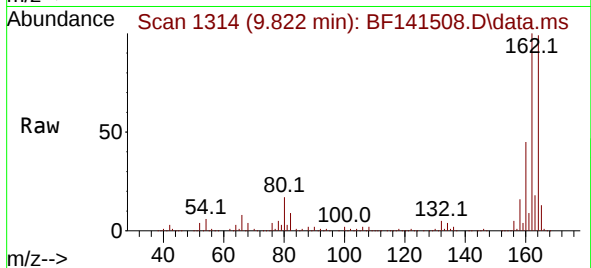
Tgt Ion:142 Resp: 357746
Ion Ratio Lower Upper
142 100
141 92.0 72.1 108.1



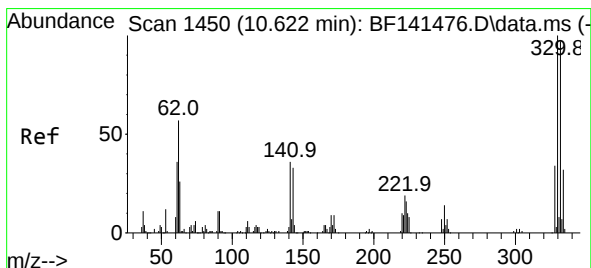
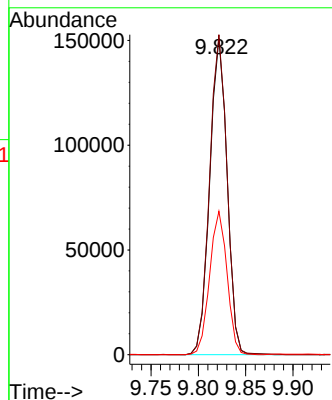
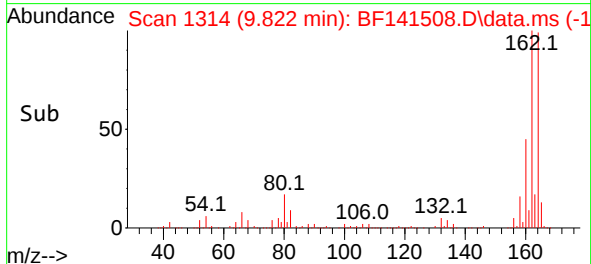


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

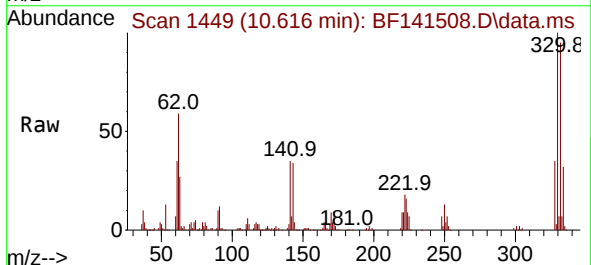
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ClientSampleId :
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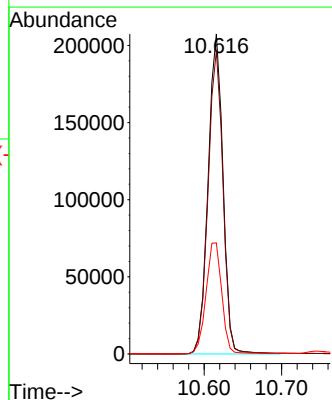
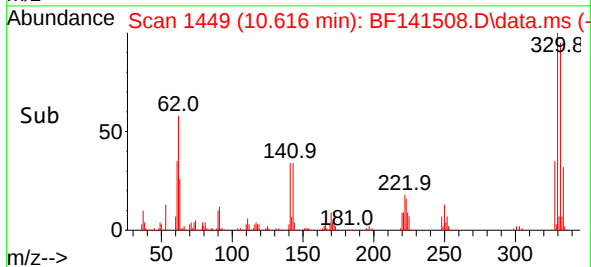
Tgt Ion:164 Resp: 192108
Ion Ratio Lower Upper
164 100
162 101.1 81.3 121.9
160 45.3 35.9 53.9

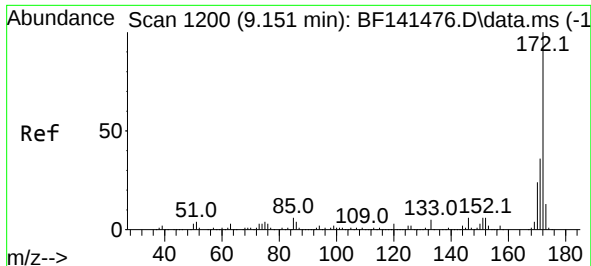


#42
2,4,6-Tribromophenol
Concen: 143.732 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31



Tgt Ion:330 Resp: 277376
Ion Ratio Lower Upper
330 100
332 95.4 78.5 117.7
141 37.2 31.0 46.4

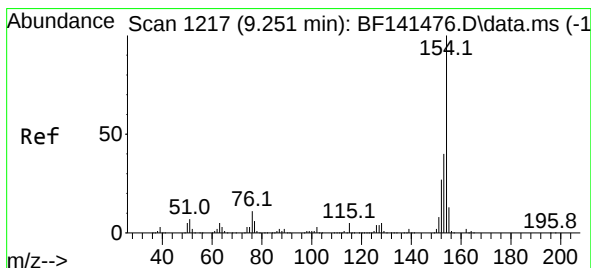
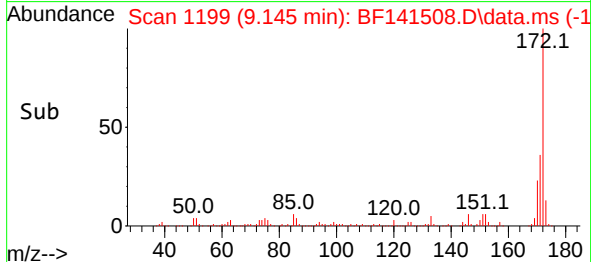
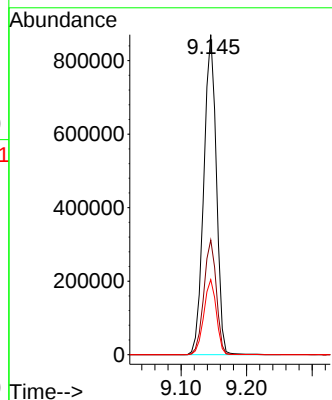
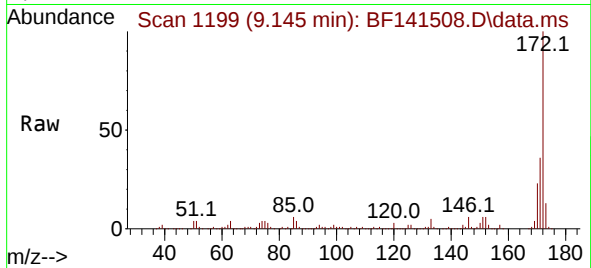




#45
2-Fluorobiphenyl
Concen: 93.284 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

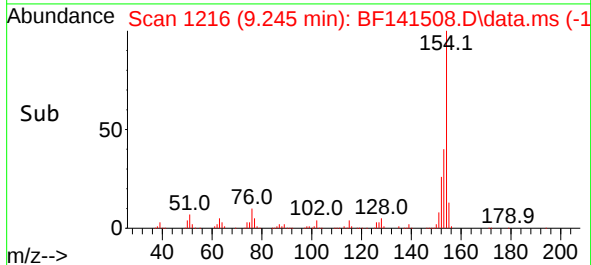
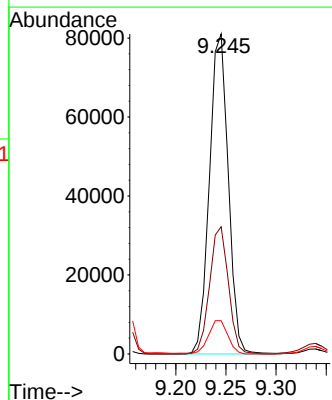
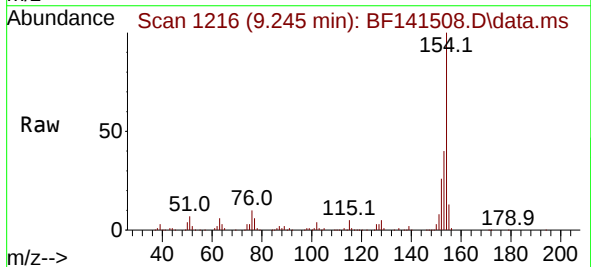
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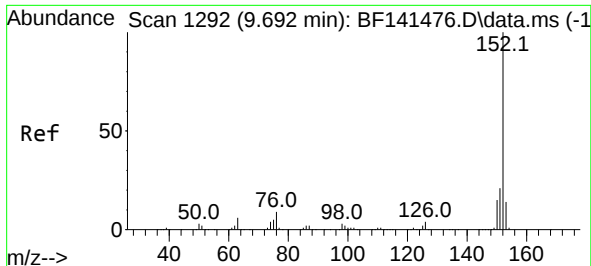
Tgt Ion:172 Resp: 1163191
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 23.5 18.9 28.3



#46
1,1'-Biphenyl
Concen: 7.133 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

Tgt Ion:154 Resp: 106232
Ion Ratio Lower Upper
154 100
153 39.8 20.4 60.4
76 10.4 0.0 30.8

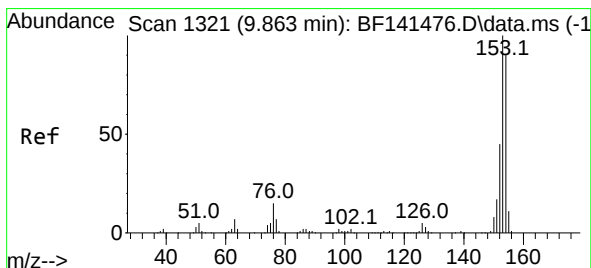
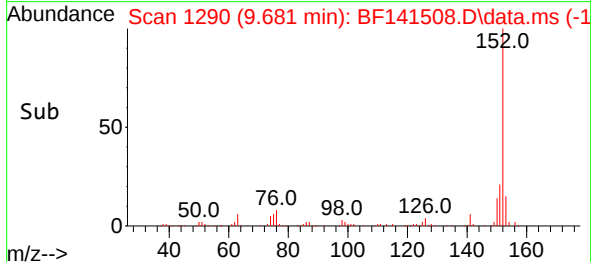
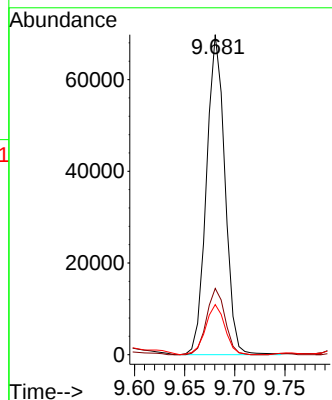
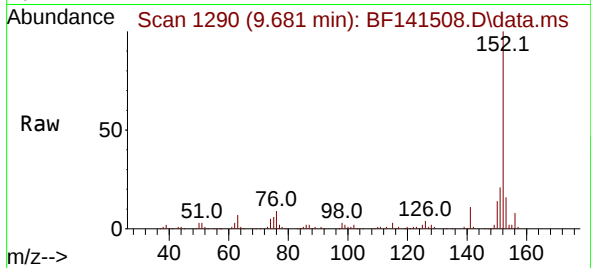




#49
Acenaphthylene
Concen: 5.456 ng
RT: 9.681 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

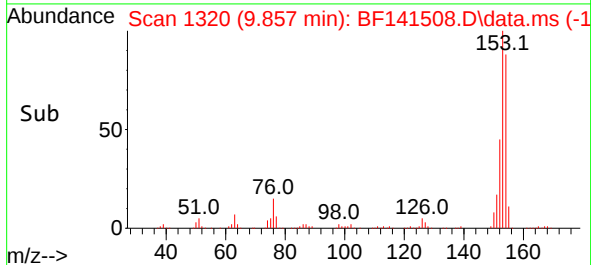
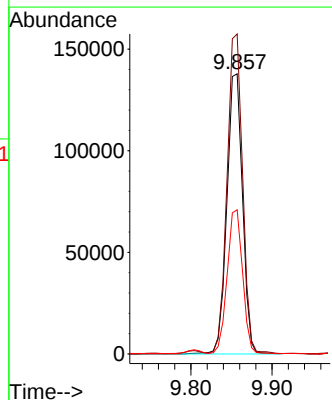
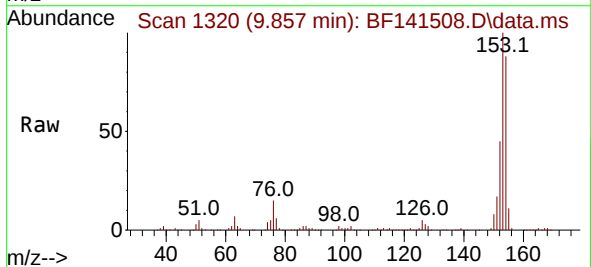
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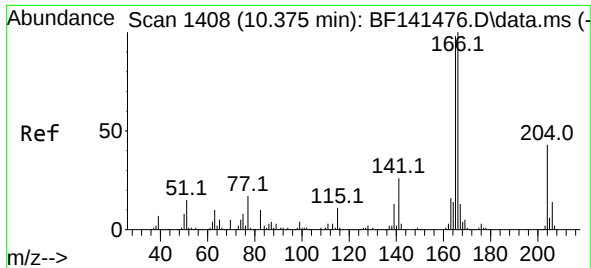
Tgt Ion:152 Resp: 89379
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6
153 15.6 10.9 16.3



#52
Acenaphthene
Concen: 16.764 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

Tgt Ion:154 Resp: 184617
Ion Ratio Lower Upper
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153 114.2 89.2 133.8
152 51.4 39.8 59.8

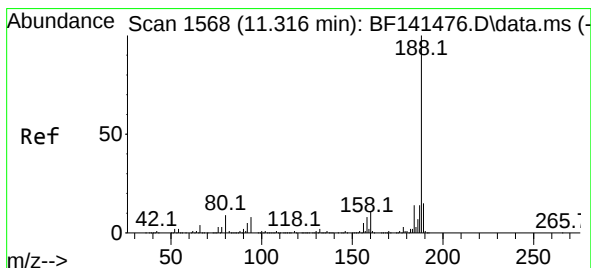
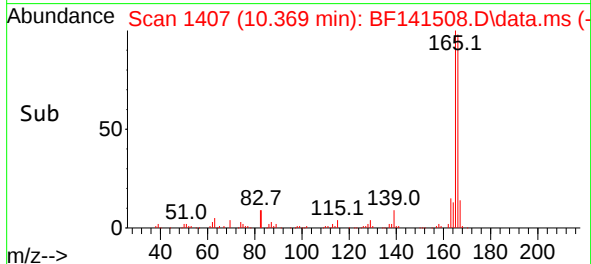
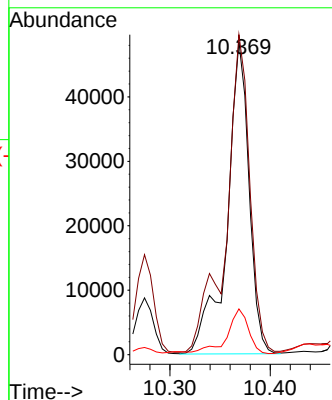
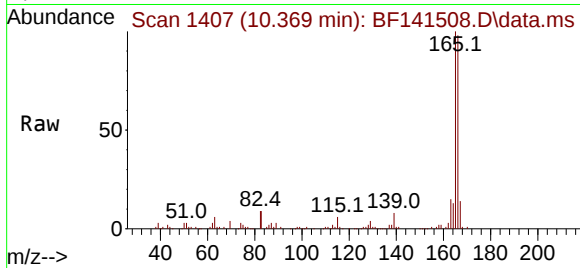




#58
Fluorene
Concen: 5.944 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

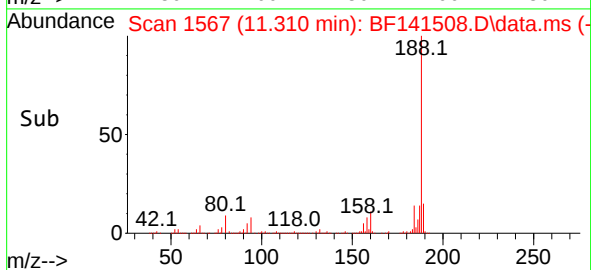
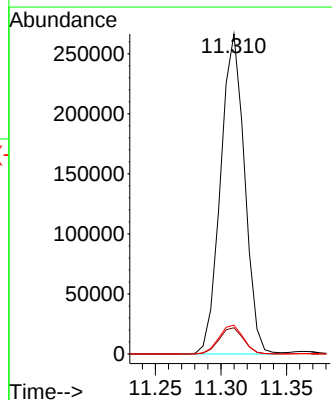
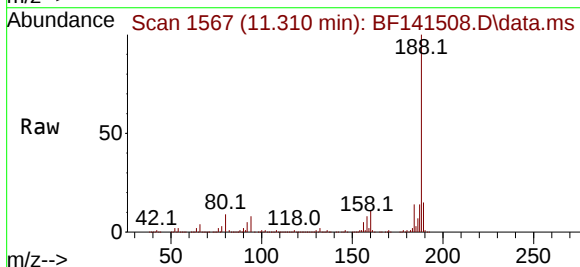
Instrument :
BNA_F
ClientSampleId :
72-11977

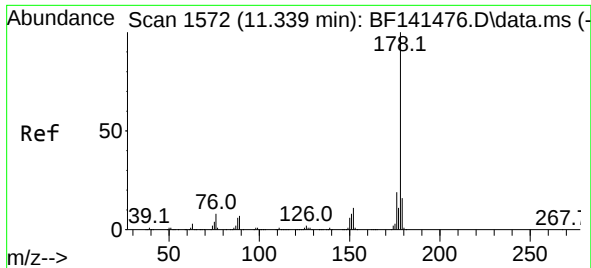
Tgt Ion:166 Resp: 74288
Ion Ratio Lower Upper
166 100
165 102.2 78.2 117.2
167 14.6 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

Tgt Ion:188 Resp: 339044
Ion Ratio Lower Upper
188 100
94 8.2 6.6 10.0
80 9.0 7.3 10.9

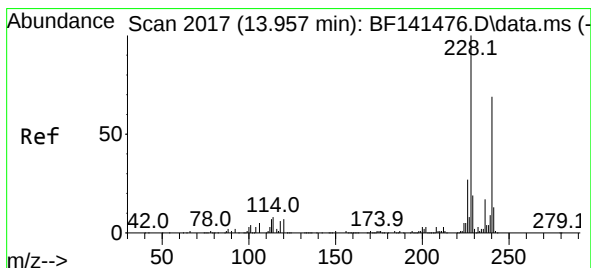
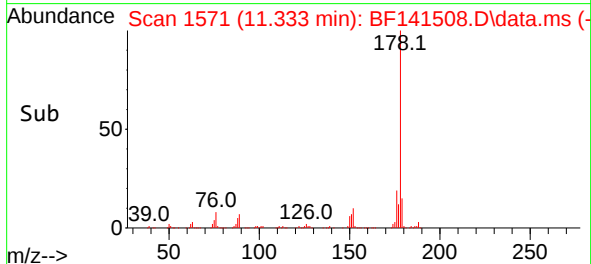
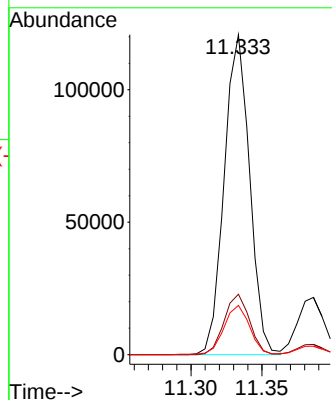
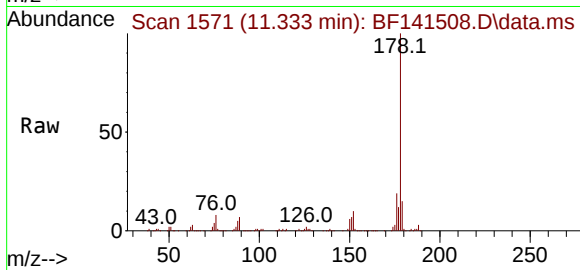




#71
Phenanthrene
Concen: 8.048 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

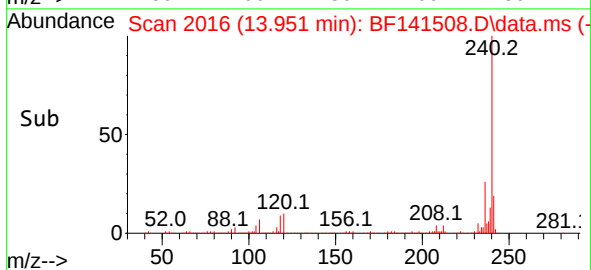
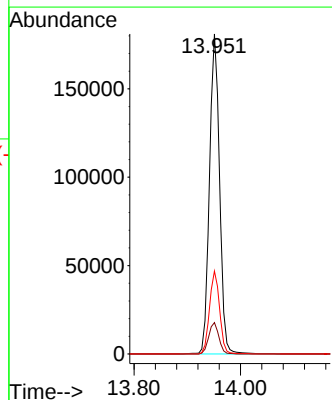
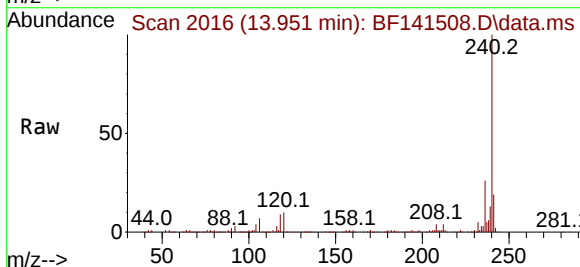
Instrument :
BNA_F
ClientSampleId :
72-11977

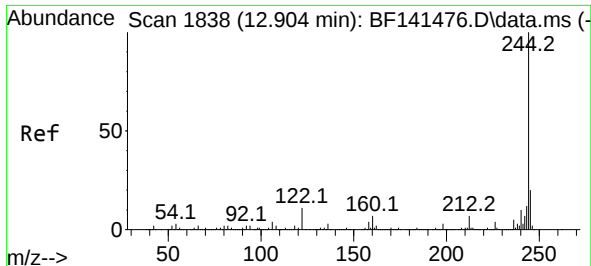
Tgt Ion:178 Resp: 150199
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.4 12.4 18.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

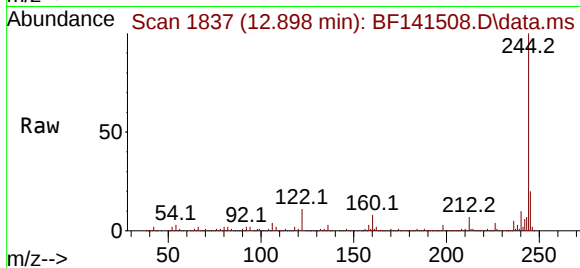
Tgt Ion:240 Resp: 237285
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 25.9 19.8 29.8



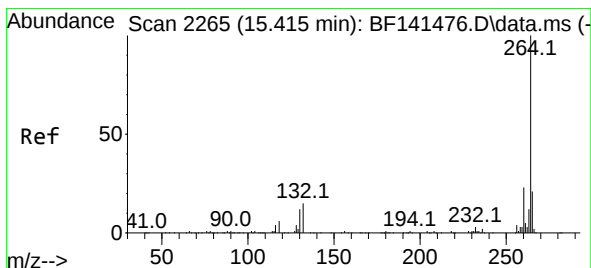
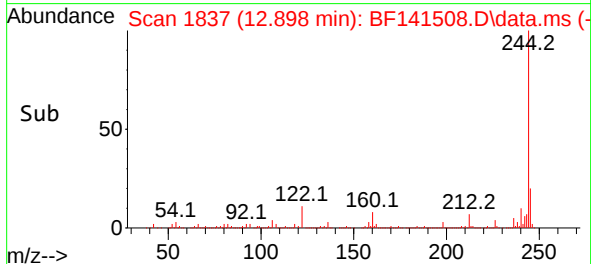
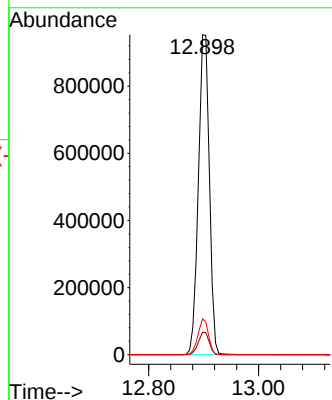


#79
 Terphenyl-d14
 Concen: 94.203 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141508.D
 Acq: 07 Feb 2025 15:31

Instrument :
 BNA_F
 ClientSampleId :
 72-11977



Tgt Ion:244 Resp: 1324096
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 11.2 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2264
 Delta R.T. -0.006 min
 Lab File: BF141508.D
 Acq: 07 Feb 2025 15:31

Tgt Ion:264 Resp: 185751
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.6 28.0
 265 21.6 17.0 25.4

