

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141848.D
 Acq On : 05 Mar 2025 17:20
 Operator : RC/JU
 Sample : Q1485-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DN-B-41

Quant Time: Mar 06 00:12:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

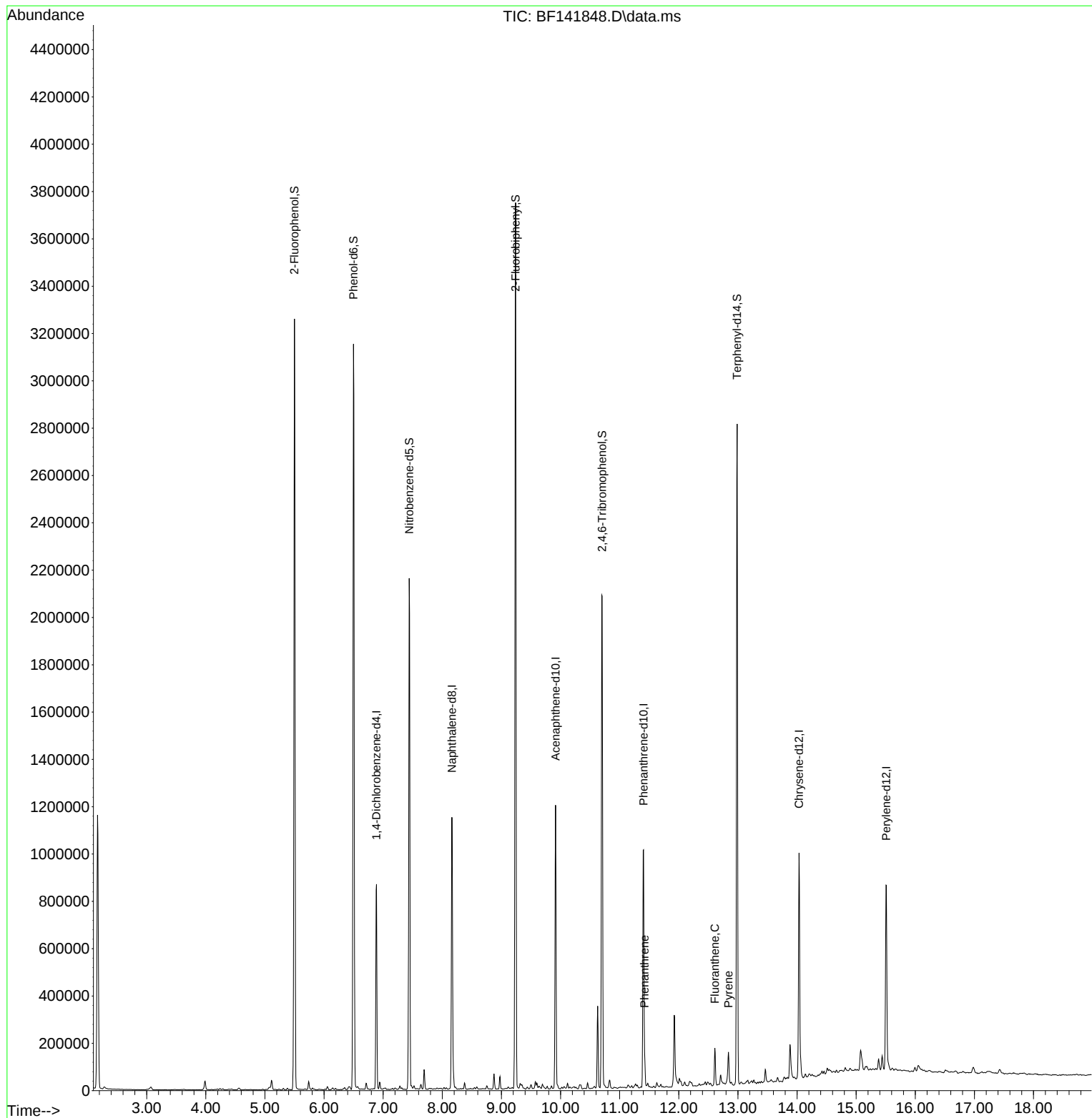
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	184965	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	688845	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	344199	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	520985	20.000	ng	0.00
76) Chrysene-d12	14.033	240	419399	20.000	ng	-0.02
86) Perylene-d12	15.510	264	456966	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1220622	105.388	ng	0.00
7) Phenol-d6	6.498	99	1515049	100.500	ng	-0.01
23) Nitrobenzene-d5	7.440	82	966701	89.703	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	342039	105.848	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1627909	75.836	ng	0.00
79) Terphenyl-d14	12.986	244	1336212	51.547	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.422	178	59607	2.139	ng	97
75) Fluoranthene	12.610	202	84247	2.950	ng	98
78) Pyrene	12.839	202	76121	2.096	ng	98

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

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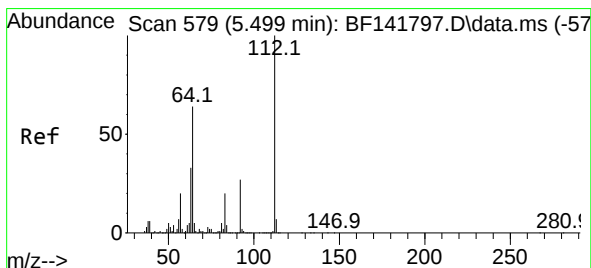
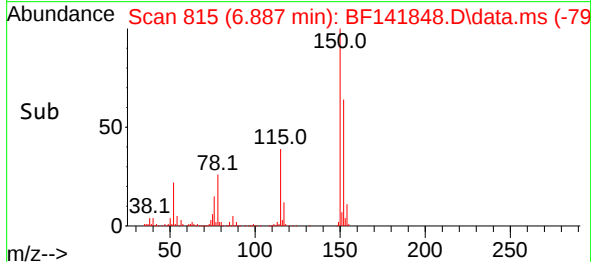
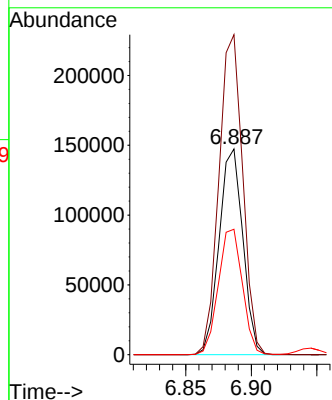
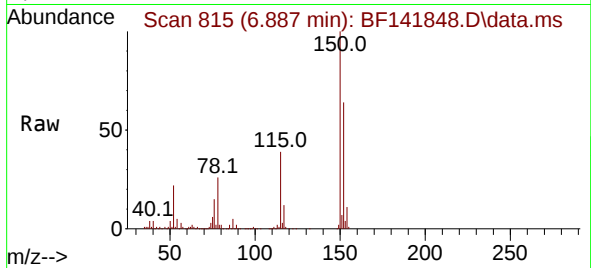




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141848.D
 Acq: 05 Mar 2025 17:20

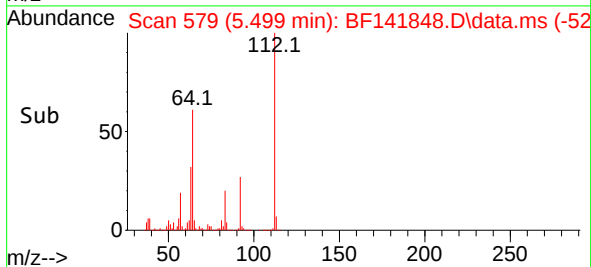
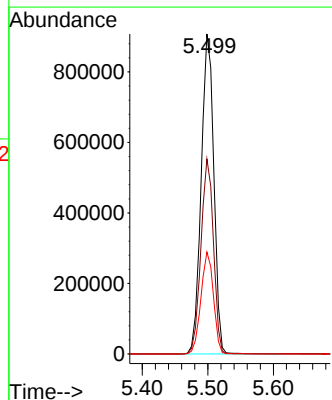
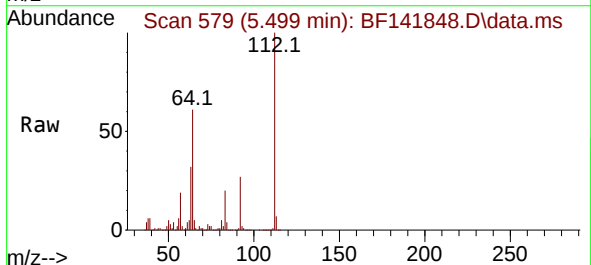
Instrument :
 BNA_F
 ClientSampleId :
 DN-B-41

Tgt Ion:152 Resp: 184965
 Ion Ratio Lower Upper
 152 100
 150 155.5 127.5 191.3
 115 60.9 51.4 77.2



#5
 2-Fluorophenol
 Concen: 105.388 ng
 RT: 5.499 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141848.D
 Acq: 05 Mar 2025 17:20

Tgt Ion:112 Resp: 1220622
 Ion Ratio Lower Upper
 112 100
 64 60.9 51.3 76.9
 63 31.9 26.2 39.4

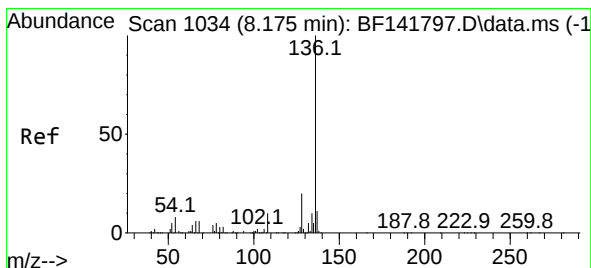
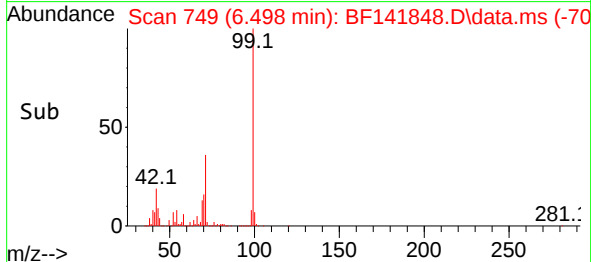
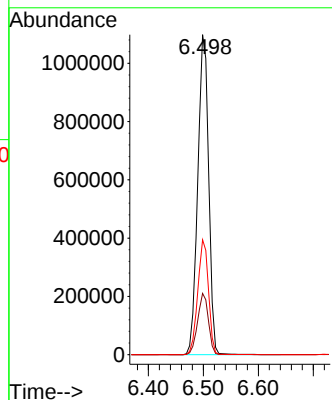
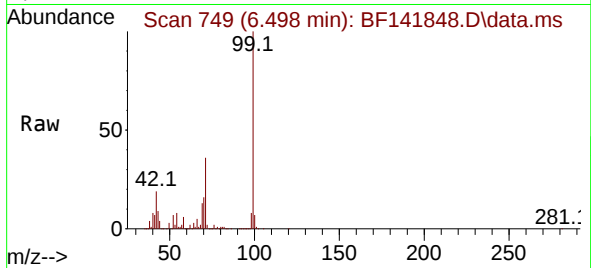




#7
Phenol-d6
Concen: 100.500 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

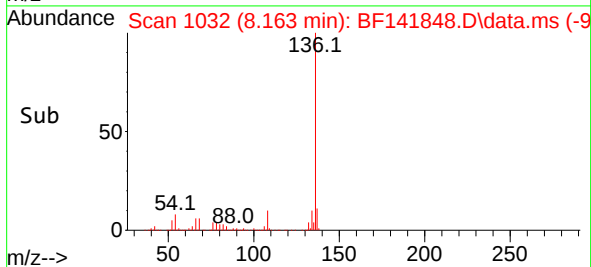
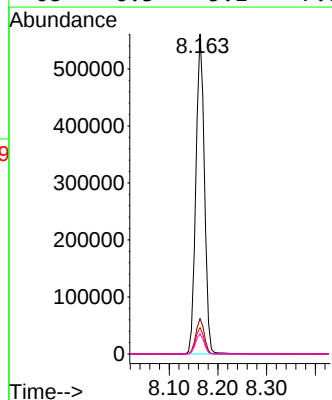
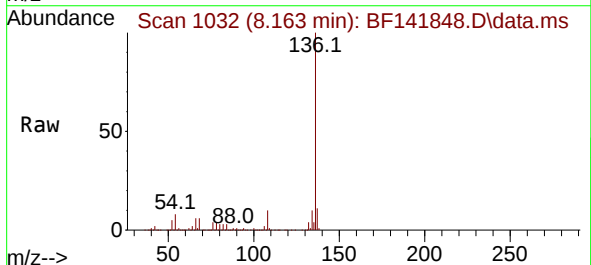
Instrument :
BNA_F
ClientSampleId :
DN-B-41

Tgt Ion: 99 Resp: 1515049
Ion Ratio Lower Upper
99 100
42 19.1 15.2 22.8
71 35.9 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

Tgt Ion: 136 Resp: 688845
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.2 6.9 10.3
68 6.3 5.1 7.7





#23

Nitrobenzene-d5

Concen: 89.703 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141848.D

Acq: 05 Mar 2025 17:20

Instrument :

BNA_F

ClientSampleId :

DN-B-41

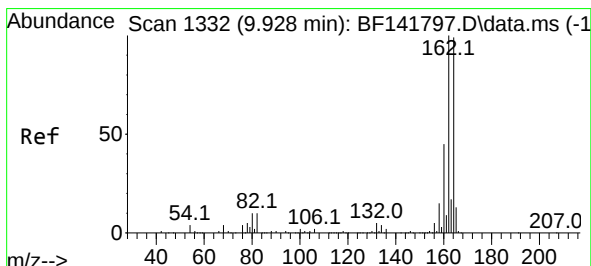
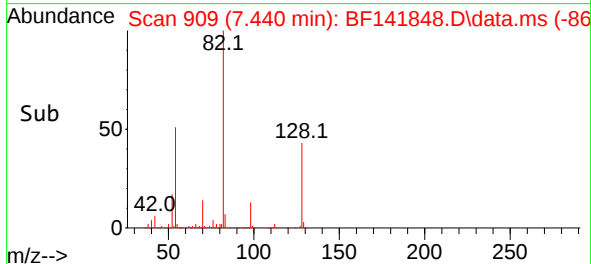
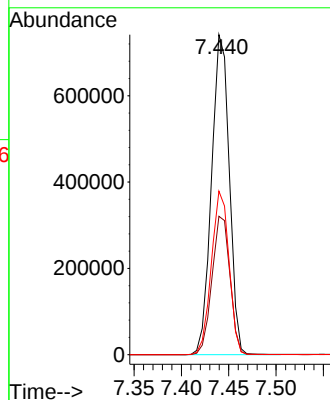
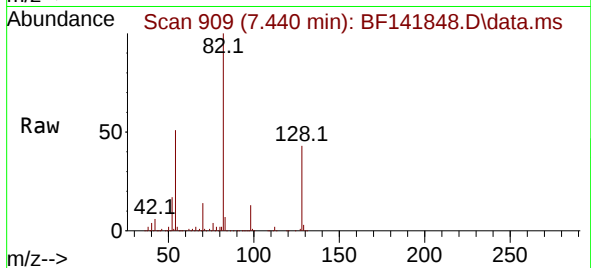
Tgt Ion: 82 Resp: 966701

Ion Ratio Lower Upper

82 100

128 43.2 33.5 50.3

54 51.1 42.7 64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.012 min

Lab File: BF141848.D

Acq: 05 Mar 2025 17:20

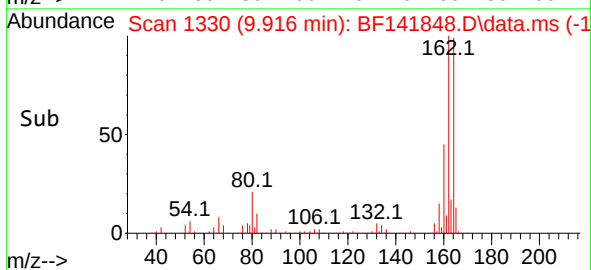
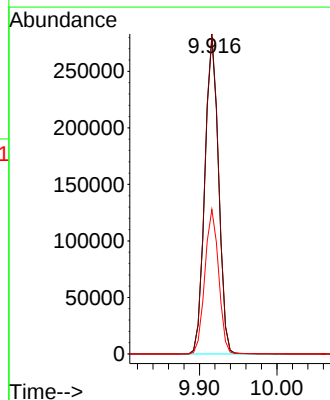
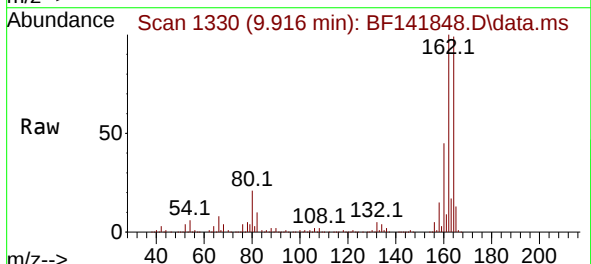
Tgt Ion:164 Resp: 344199

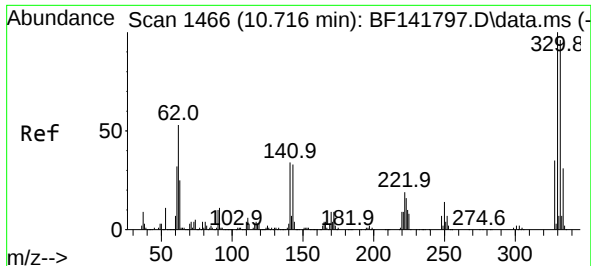
Ion Ratio Lower Upper

164 100

162 101.1 80.6 120.8

160 45.7 36.3 54.5

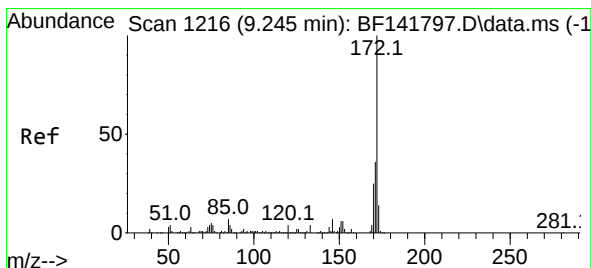
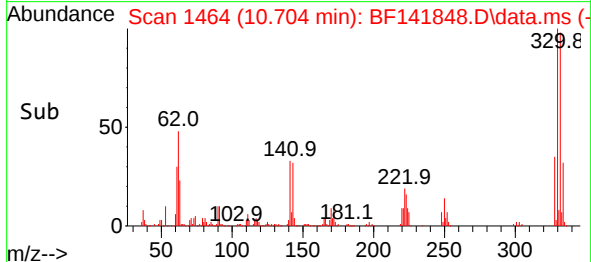
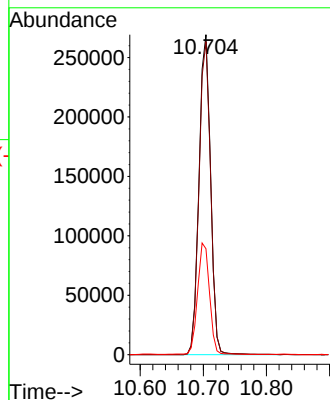
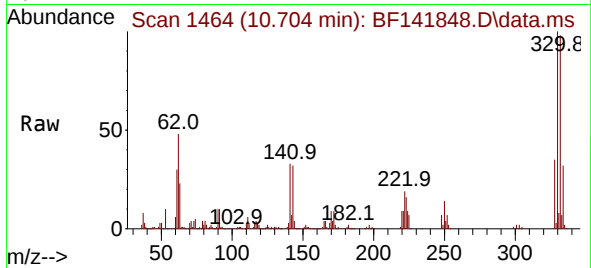




#42
2,4,6-Tribromophenol
Concen: 105.848 ng
RT: 10.704 min Scan# 1466
Delta R.T. -0.012 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

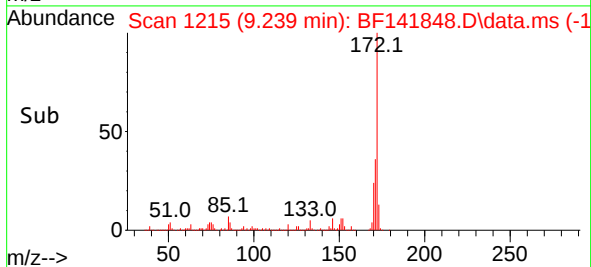
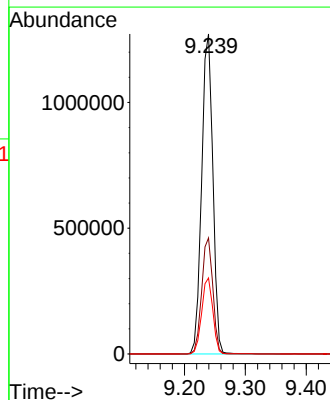
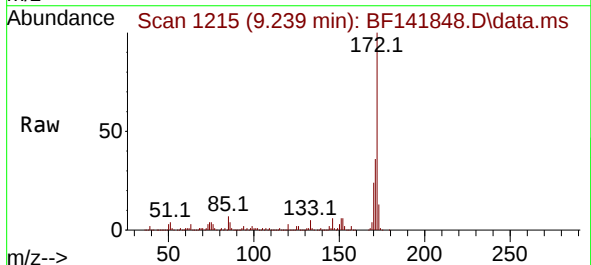
Instrument :
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ClientSampleId :
DN-B-41

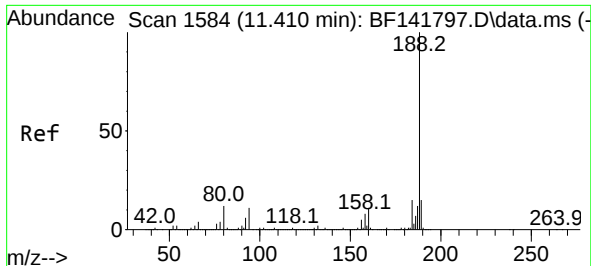
Tgt Ion: 330 Resp: 342039
Ion Ratio Lower Upper
330 100
332 97.8 76.6 115.0
141 35.9 29.0 43.4



#45
2-Fluorobiphenyl
Concen: 75.836 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

Tgt Ion: 172 Resp: 1627909
Ion Ratio Lower Upper
172 100
171 36.3 29.2 43.8
170 23.8 19.7 29.5

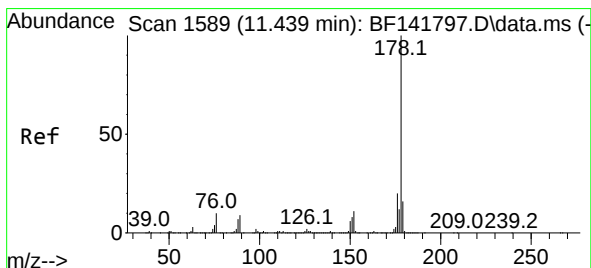
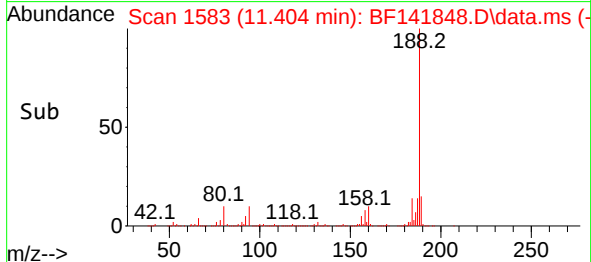
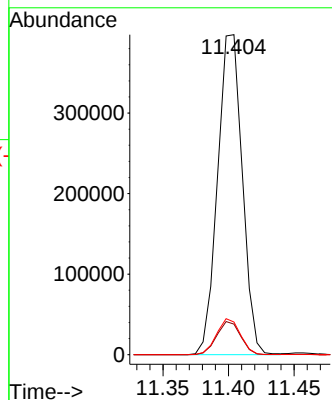
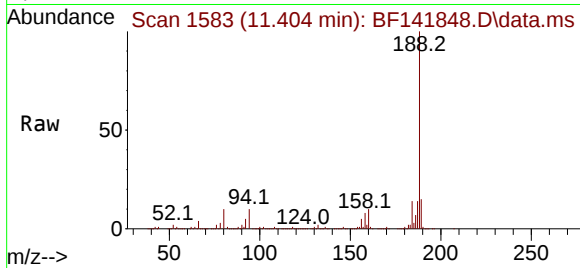




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

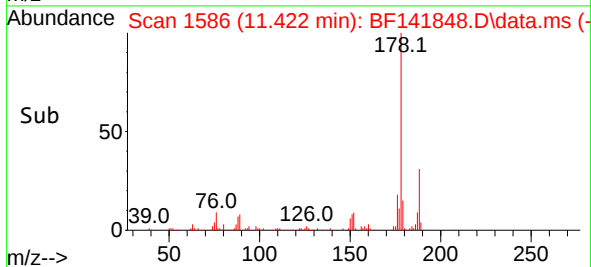
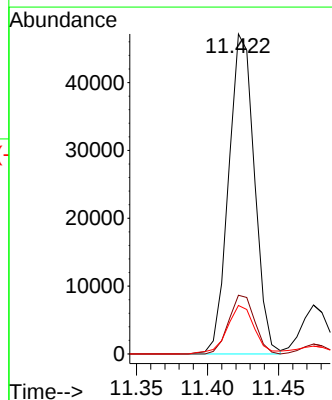
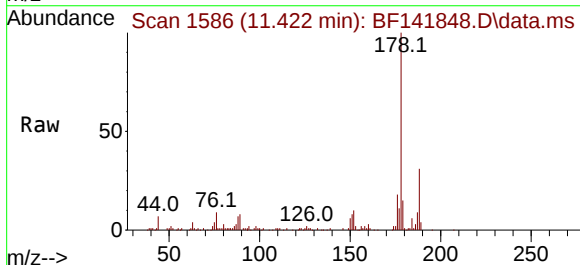
Instrument :
BNA_F
ClientSampleId :
DN-B-41

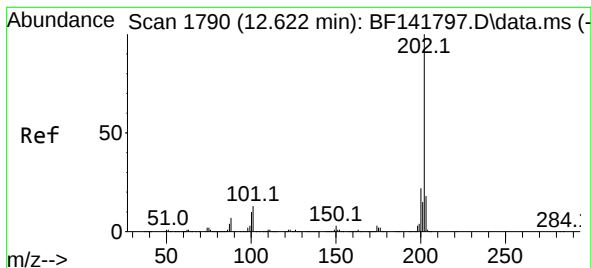
Tgt Ion:188 Resp: 520985
Ion Ratio Lower Upper
188 100
94 9.6 8.9 13.3
80 10.2 9.7 14.5



#71
Phenanthrene
Concen: 2.139 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.018 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

Tgt Ion:178 Resp: 59607
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.2 12.6 19.0





#75

Fluoranthene

Concen: 2.950 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141848.D

Acq: 05 Mar 2025 17:20

Instrument :

BNA_F

ClientSampleId :

DN-B-41

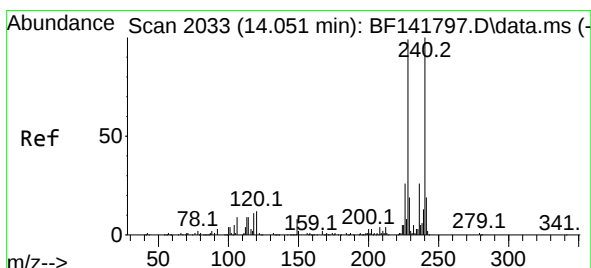
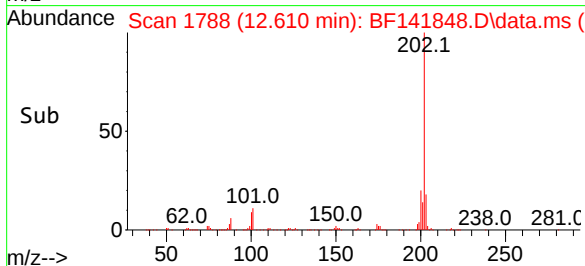
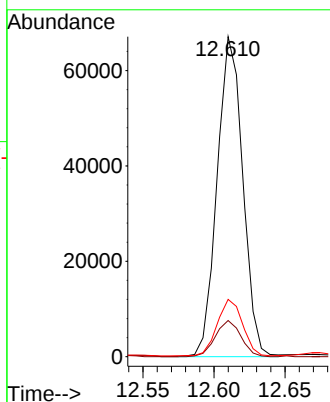
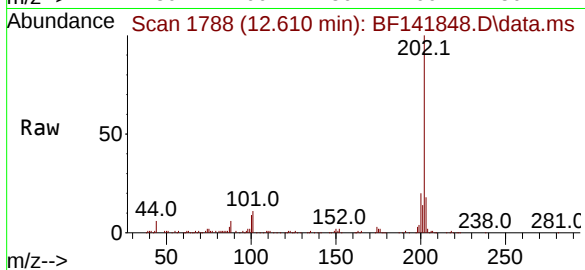
Tgt Ion:202 Resp: 84247

Ion Ratio Lower Upper

202 100

101 11.3 0.0 32.8

203 17.9 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.018 min

Lab File: BF141848.D

Acq: 05 Mar 2025 17:20

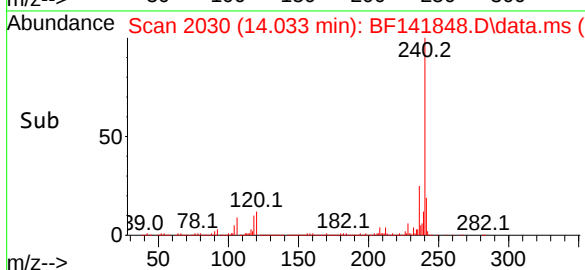
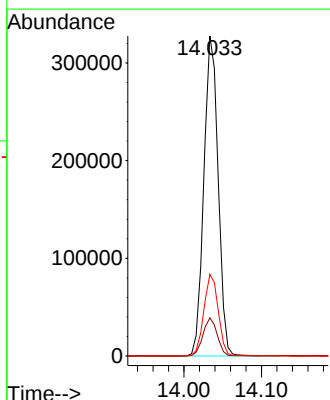
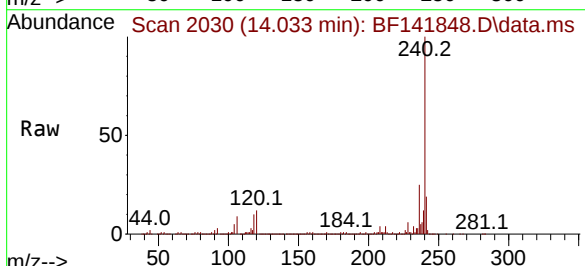
Tgt Ion:240 Resp: 419399

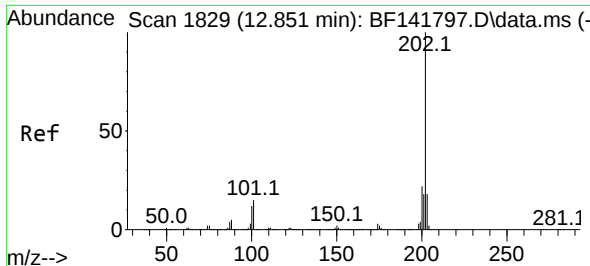
Ion Ratio Lower Upper

240 100

120 11.9 9.7 14.5

236 25.5 21.0 31.4

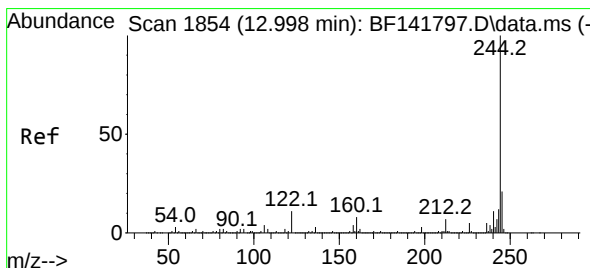
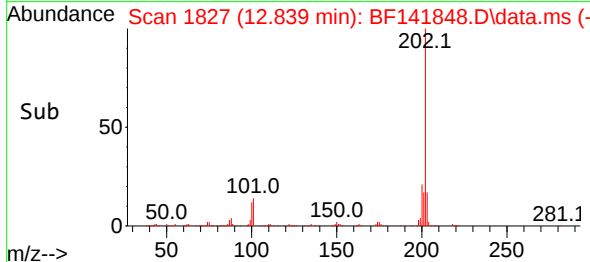
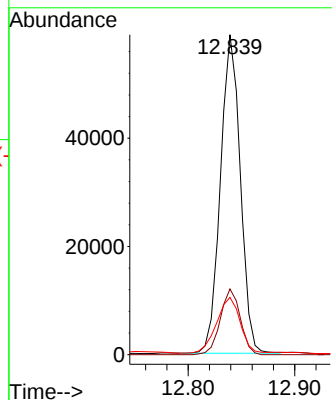
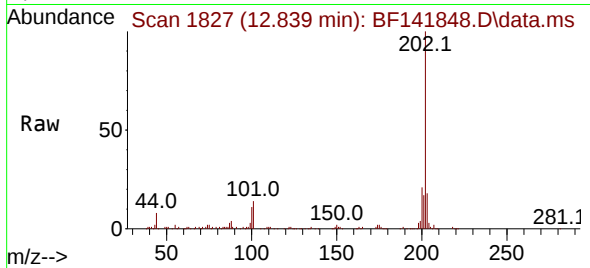




#78
Pyrene
Concen: 2.096 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

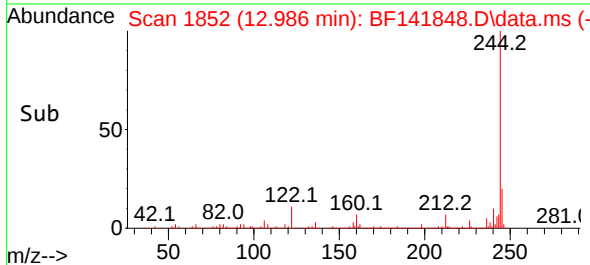
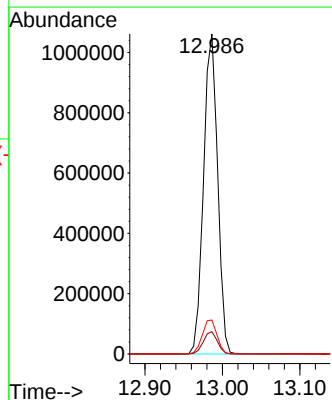
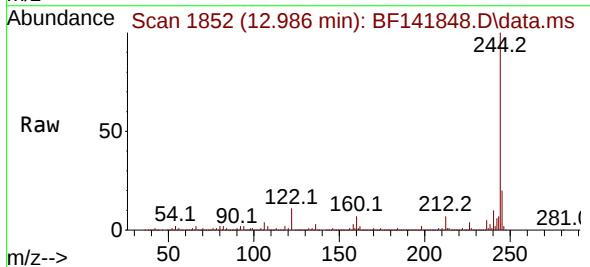
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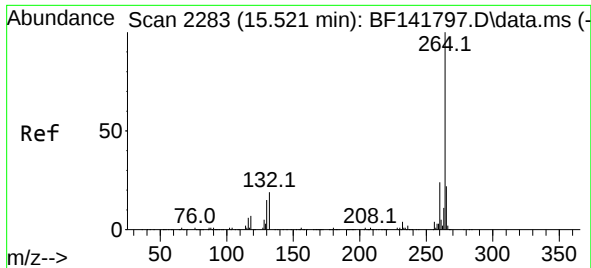
Tgt Ion:	202	Resp:	76121
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.0
203	17.9	14.6	22.0



#79
Terphenyl-d14
Concen: 51.547 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

Tgt Ion:	244	Resp:	1336212
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	10.6	9.0	13.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF141848.D
 Acq: 05 Mar 2025 17:20

Instrument :
 BNA_F
 ClientSampleId :
 DN-B-41

Tgt Ion:264 Resp: 456966
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.9 28.3
 265 21.4 17.4 26.0

