Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102522\
Data File : BF130771.D
Acq On : 25 Oct 2022 16:08
Operator : CG\JU
Sample : N5222-01DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12DL

Quant Time: Oct 26 13:48:57 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 21 06:12:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	145084	20.000	ng	0.00
21) Naphthalene-d8	7.851	136	447363	20.000	ng	0.00
39) Acenaphthene-d10	9.592	164	245879	20.000	ng	0.00
64) Phenanthrene-d10	11.075	188	421054	20.000	ng	0.00
76) Chrysene-d12	13.704	240	274554	20.000	ng	0.00
86) Perylene-d12	15.086	264	264700	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.193	112	106835	12.698	ng	0.03
7) Phenol-d6	6.246	99	83751	8.227	ng	0.02
23) Nitrobenzene-d5	7.134	82	148957	17.663	ng	0.00
42) 2,4,6-Tribromophenol	10.386	330	59273	25.349	ng	0.00
45) 2-Fluorobiphenyl	8.916	172	301766	18.703	ng	-0.01
79) Terphenyl-d14	12.651	244	298856	18.343	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.881	128	4301543	186.484	ng	96
37) 2-Methylnaphthalene	8.557	142	671519	44.432	ng	100
38) 1-Methylnaphthalene	8.657	142	1165944	77.812	ng	98
46) 1,1'-Biphenyl	9.016	154	215586	12.571	ng	97
52) Acenaphthene	9.622	154	201869	15.455	ng	100
58) Fluorene	10.139	166	90972	5.441	ng	100
71) Phenanthrene	11.098	178	178204	7.718	ng	100

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

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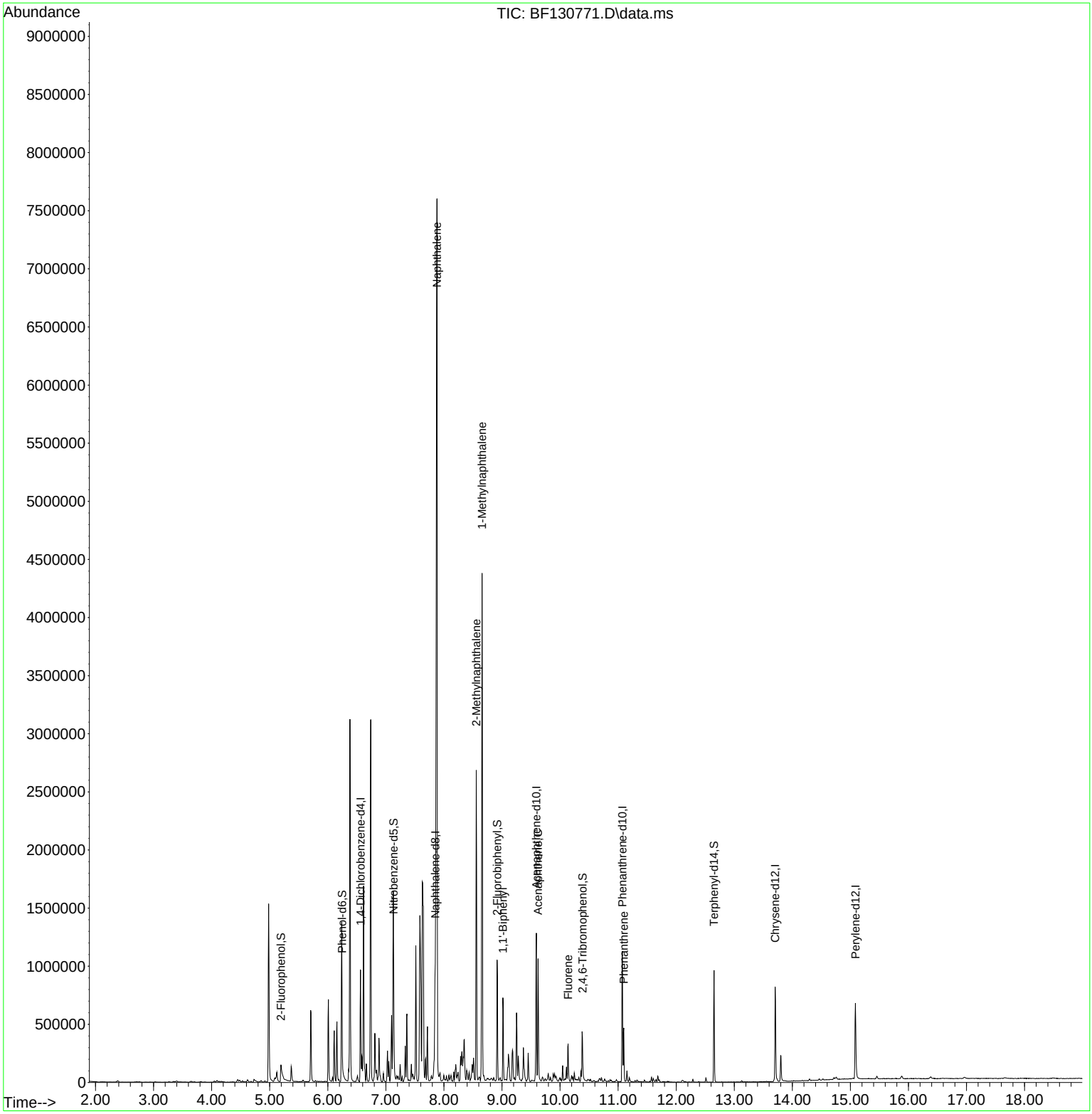
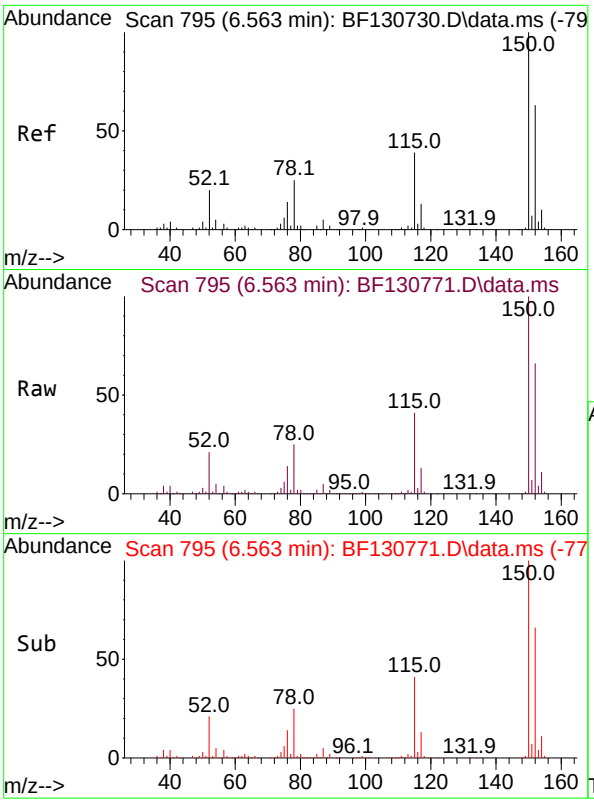


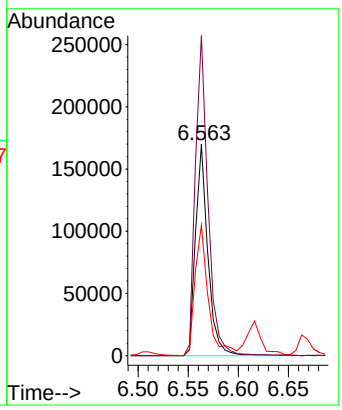


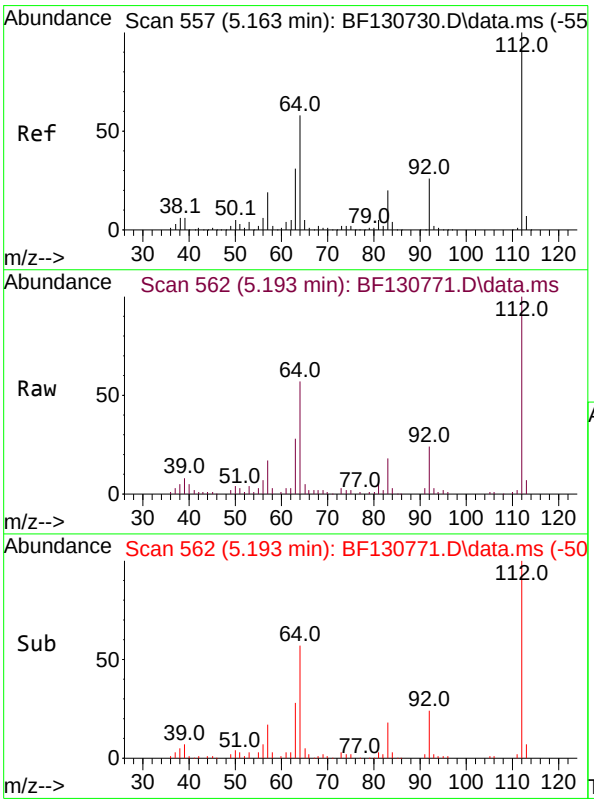
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Instrument :
BNA_F
ClientSampleId :
MW-12DL

Tgt Ion:152 Resp: 145084

Ion	Ratio	Lower	Upper
152	100		
150	151.4	127.0	190.6
115	61.8	49.9	74.9

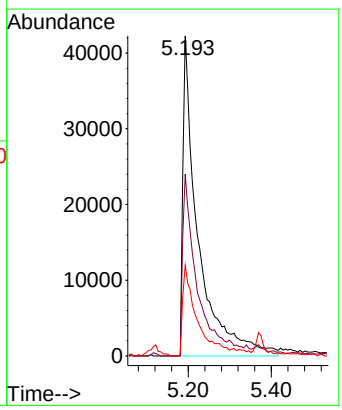


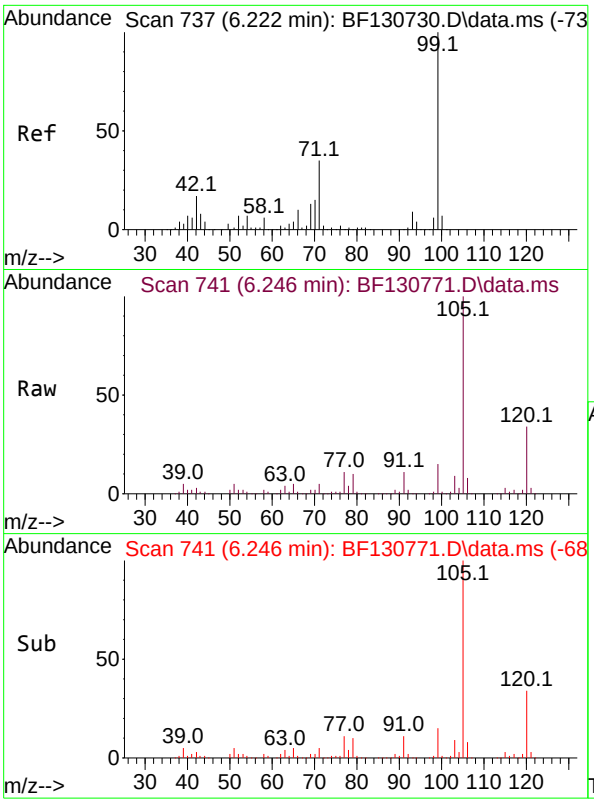


#5
2-Fluorophenol
Concen: 12.698 ng
RT: 5.193 min Scan# 562
Delta R.T. 0.030 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Tgt Ion:112 Resp: 106835

Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.2	69.4
63	28.3	25.1	37.7



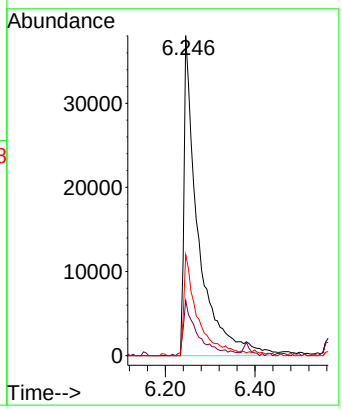


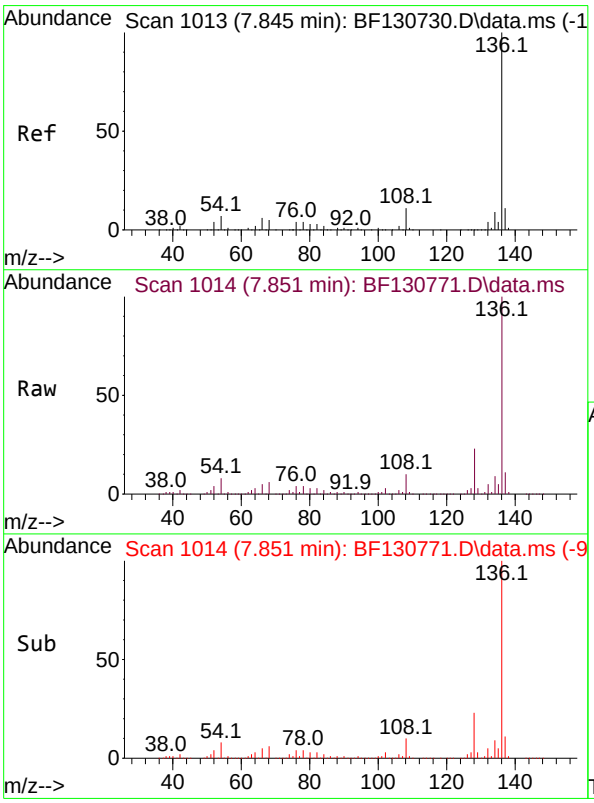
#7
Phenol-d6
Concen: 8.227 ng
RT: 6.246 min Scan# 74
Delta R.T. 0.024 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Instrument :
BNA_F
ClientSampleId :
MW-12DL

Tgt Ion: 99 Resp: 83751

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.8	20.8
71	31.5	28.3	42.5

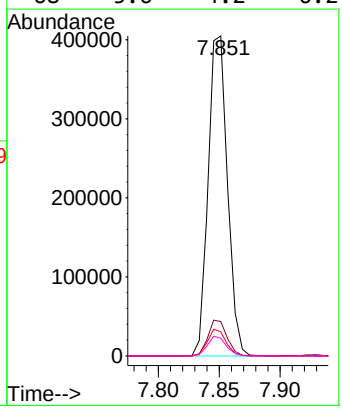


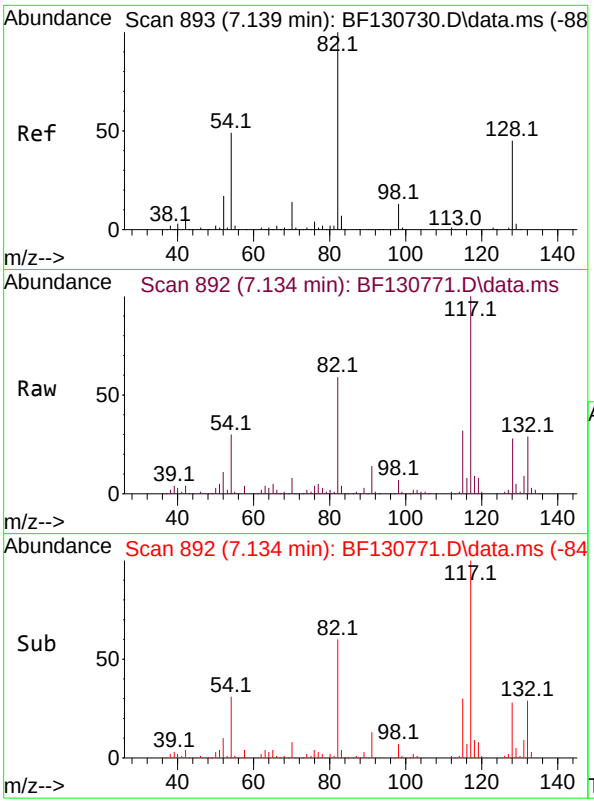


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.851 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Tgt Ion:136 Resp: 447363

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	7.6	5.8	8.8
68	5.6	4.2	6.2



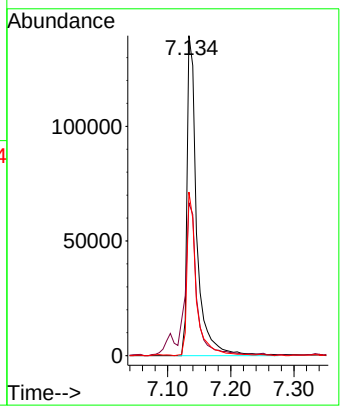


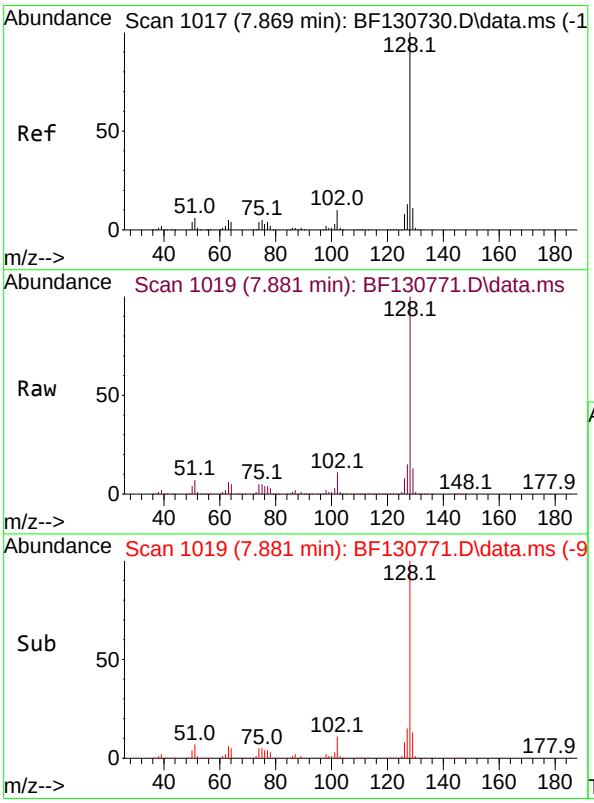
#23
Nitrobenzene-d5
Concen: 17.663 ng
RT: 7.134 min Scan# 89
Delta R.T. -0.005 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Instrument :
BNA_F
ClientSampleId :
MW-12DL

Tgt Ion: 82 Resp: 148957

Ion	Ratio	Lower	Upper
82	100		
128	47.7	35.9	53.9
54	51.1	39.2	58.8

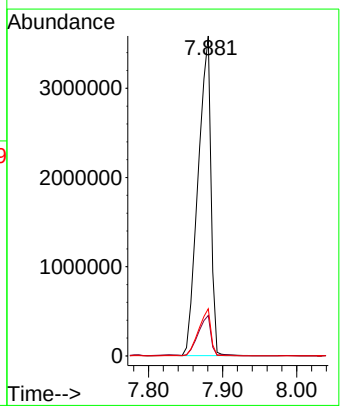


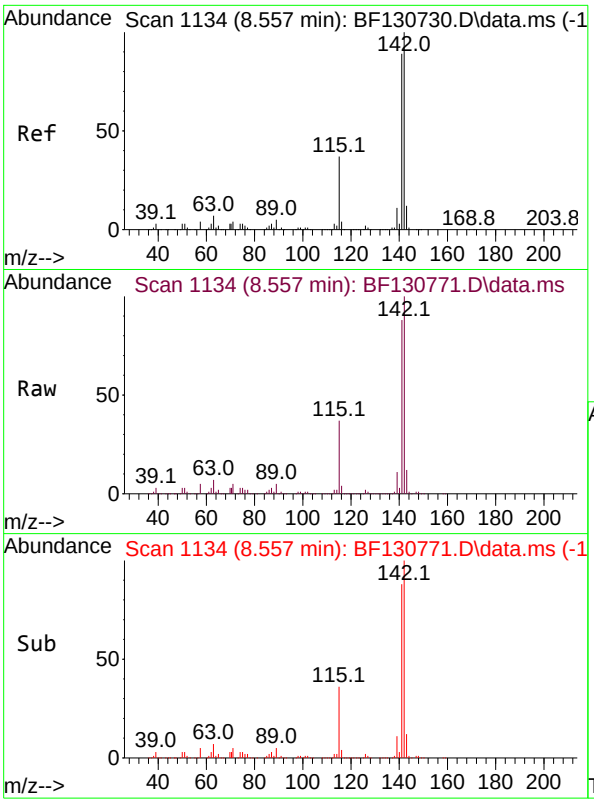


#31
Naphthalene
Concen: 186.484 ng
RT: 7.881 min Scan# 1019
Delta R.T. 0.012 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Tgt Ion:128 Resp: 4301543

Ion	Ratio	Lower	Upper
128	100		
129	12.6	8.9	13.3
127	14.7	10.6	16.0



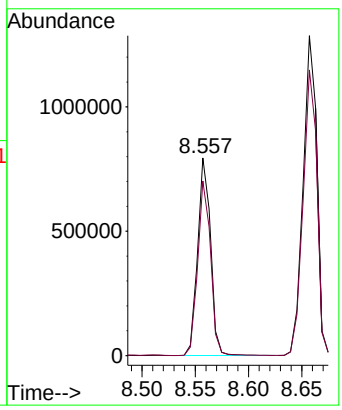


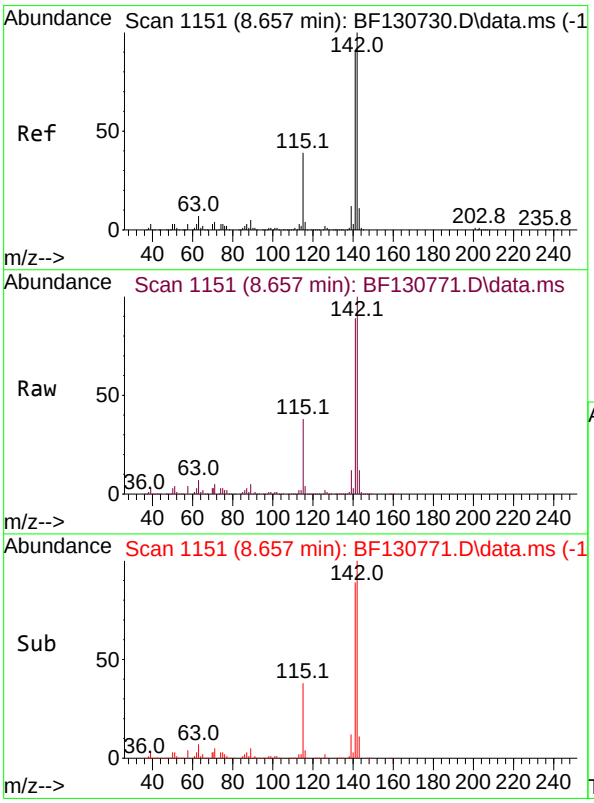
#37
2-Methylnaphthalene
Concen: 44.432 ng
RT: 8.557 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Instrument :
BNA_F
ClientSampleId :
MW-12DL

Tgt Ion:142 Resp: 671519

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.0	106.4

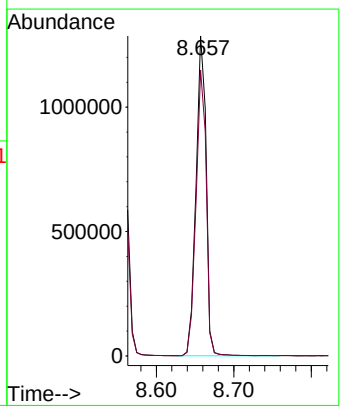


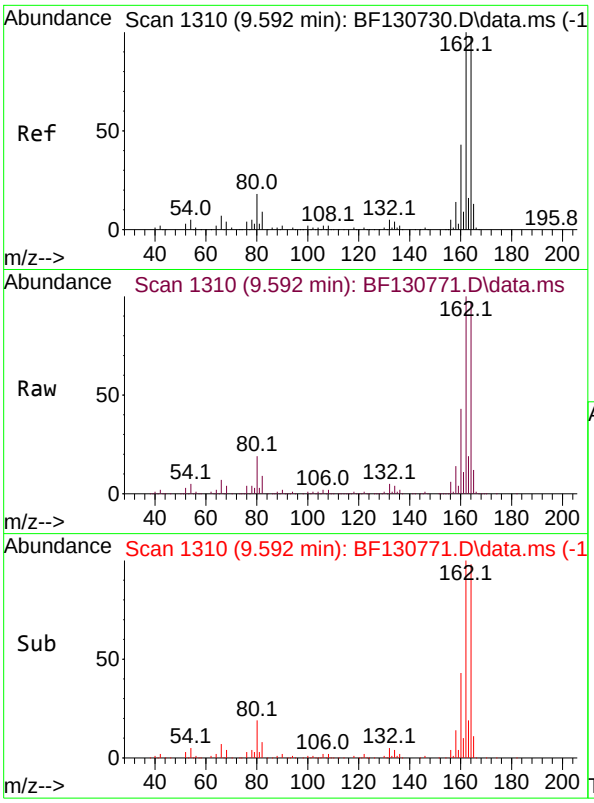


#38
1-Methylnaphthalene
Concen: 77.812 ng
RT: 8.657 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Tgt Ion:142 Resp: 1165944

Ion	Ratio	Lower	Upper
142	100		
141	89.3	73.0	109.4



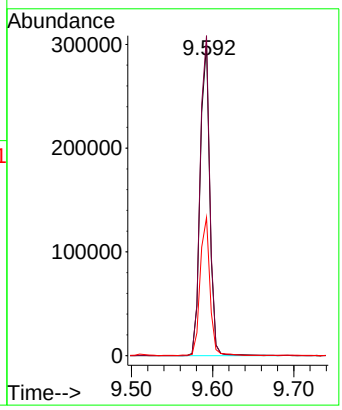


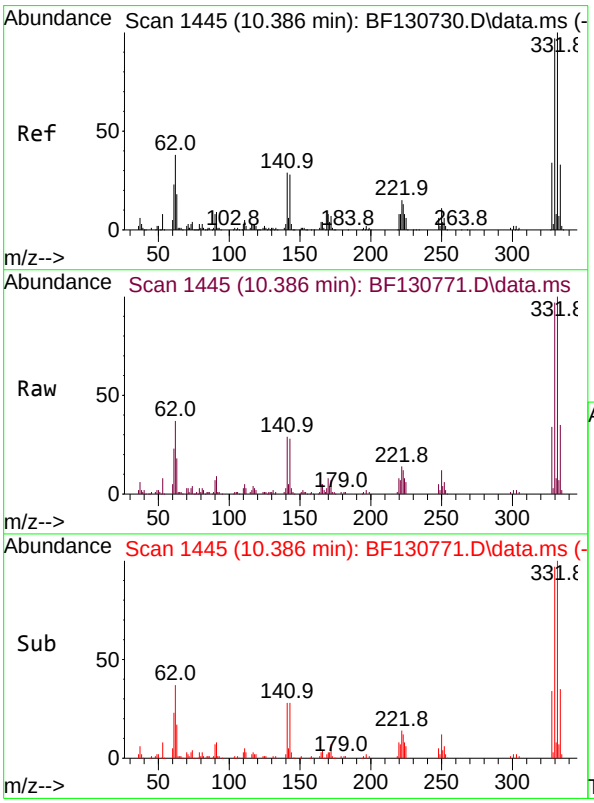
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Instrument :
BNA_F
ClientSampleId :
MW-12DL

Tgt Ion:164 Resp: 245879

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.4	122.0
160	44.3	35.0	52.4

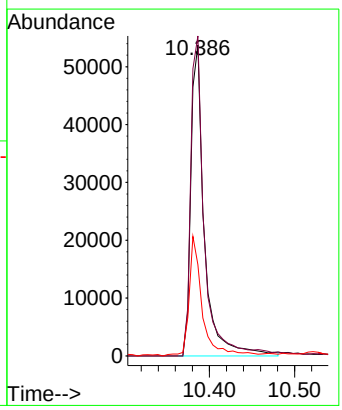


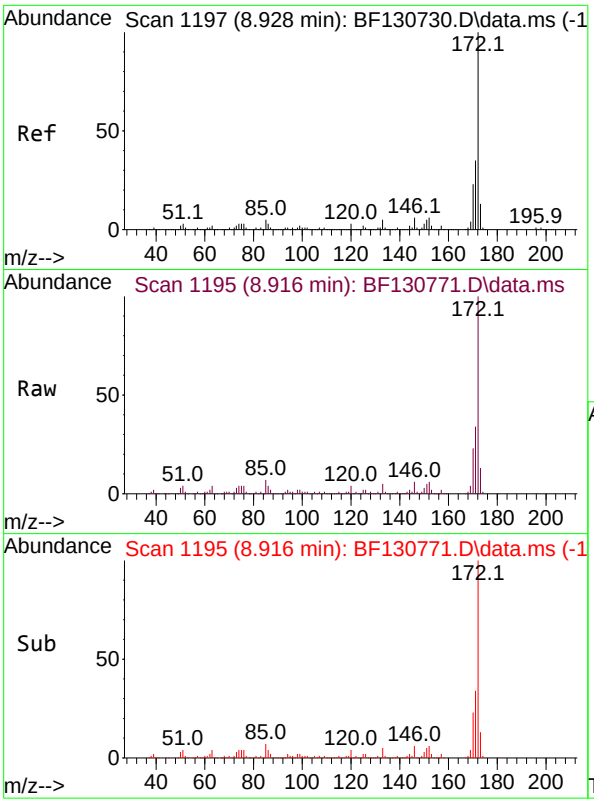


#42
2,4,6-Tribromophenol
Concen: 25.349 ng
RT: 10.386 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Tgt Ion:330 Resp: 59273

Ion	Ratio	Lower	Upper
330	100		
332	104.9	81.4	122.2
141	37.4	24.6	37.0#



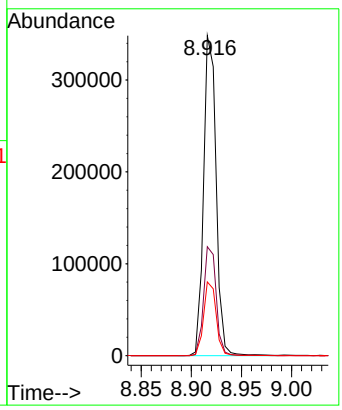


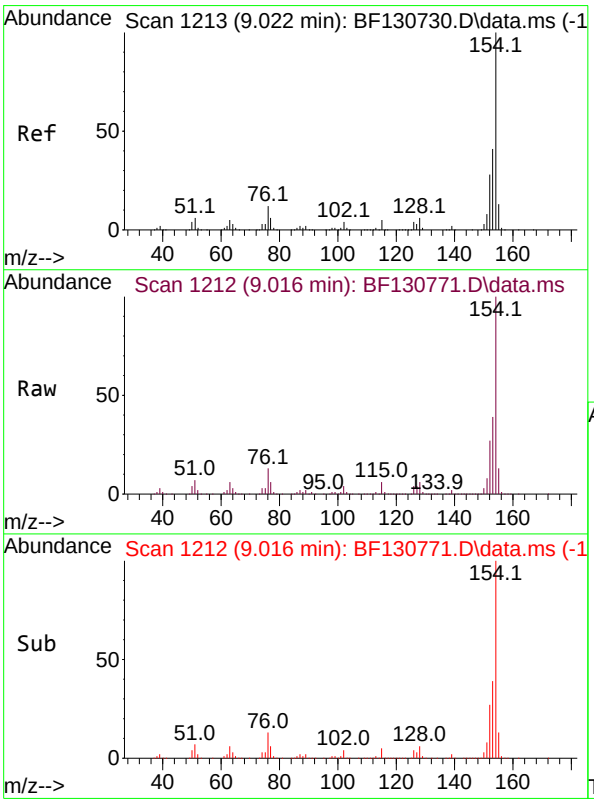
#45
2-Fluorobiphenyl
Concen: 18.703 ng
RT: 8.916 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Instrument :
BNA_F
ClientSampleId :
MW-12DL

Tgt Ion:172 Resp: 301766

Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.2	42.2
170	23.1	18.5	27.7

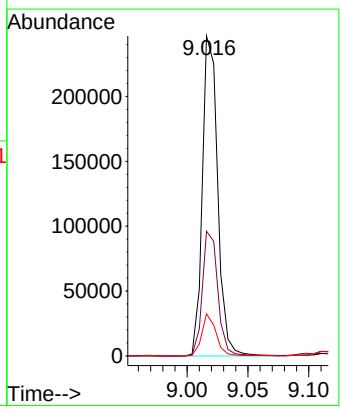


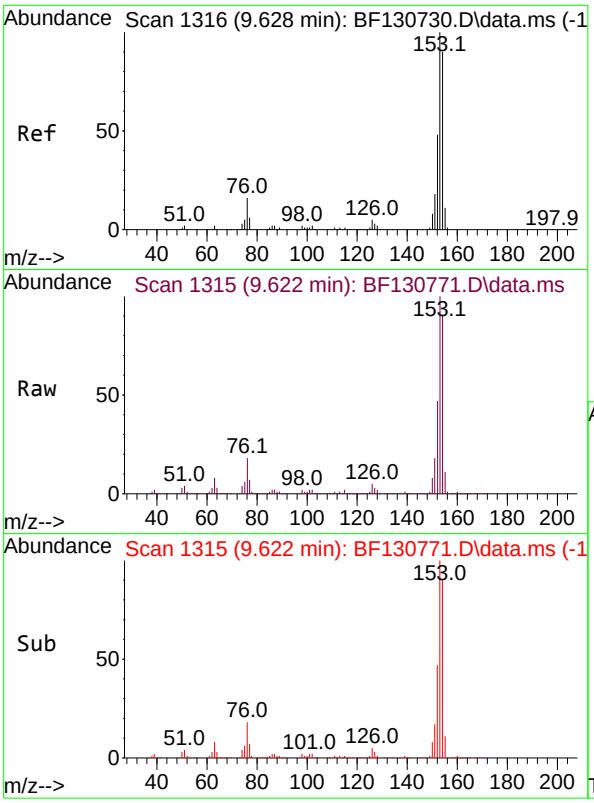


#46
1,1'-Biphenyl
Concen: 12.571 ng
RT: 9.016 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Tgt Ion:154 Resp: 215586

Ion	Ratio	Lower	Upper
154	100		
153	39.0	20.7	60.7
76	13.1	0.0	31.7





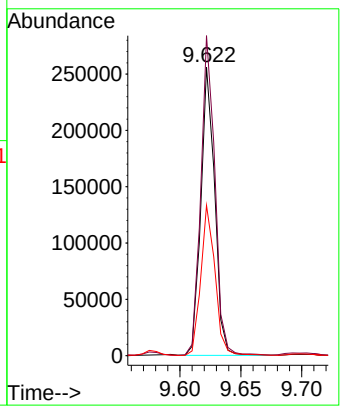
#52
Acenaphthene
Concen: 15.455 ng
RT: 9.622 min Scan# 1

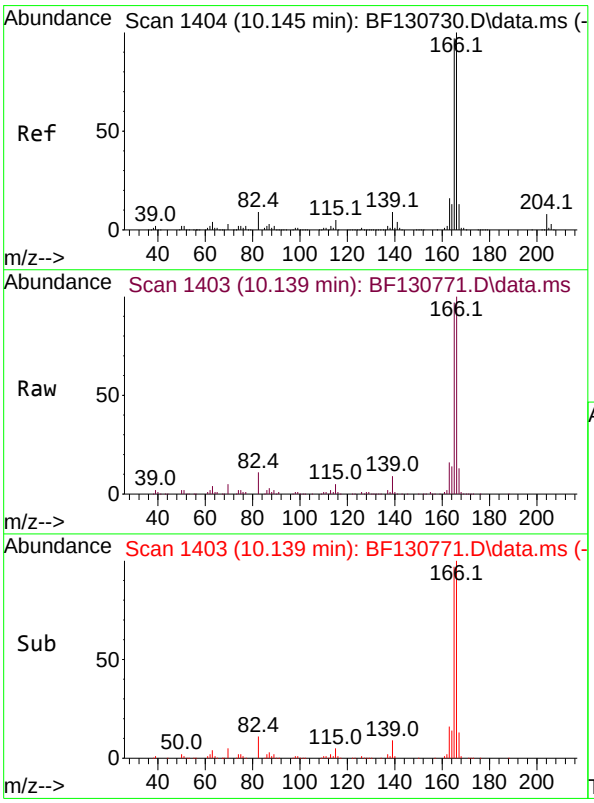
Instrument :
BNA_F
ClientSampleId :
MW-12DL

Delta R.T. -0.006 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Tgt Ion:154 Resp: 201869

Ion	Ratio	Lower	Upper
154	100		
153	110.9	88.4	132.6
152	52.0	42.0	63.0

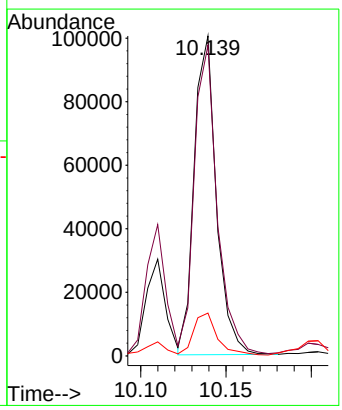


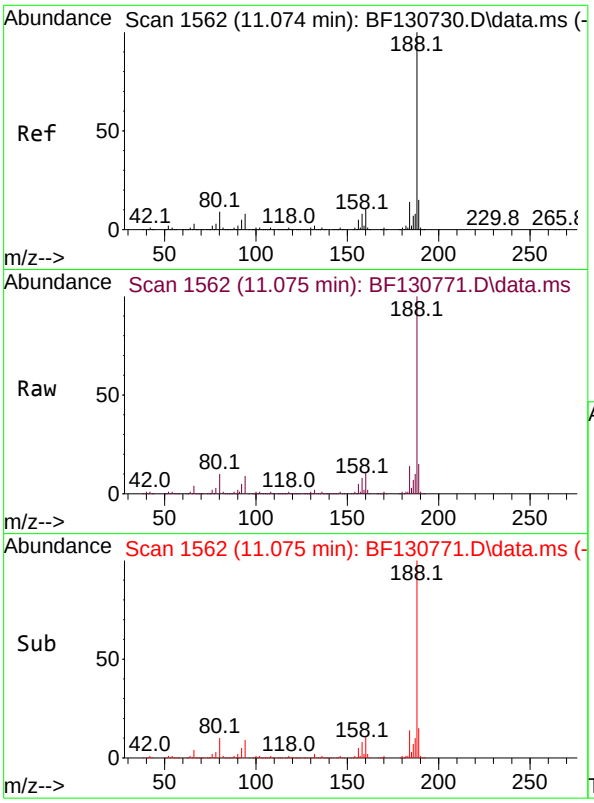


#58
Fluorene
Concen: 5.441 ng
RT: 10.139 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Tgt Ion:166 Resp: 90972

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.6	116.4
167	13.4	10.3	15.5



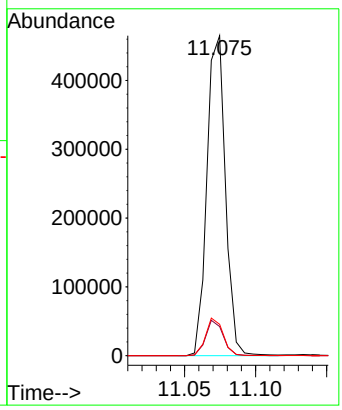


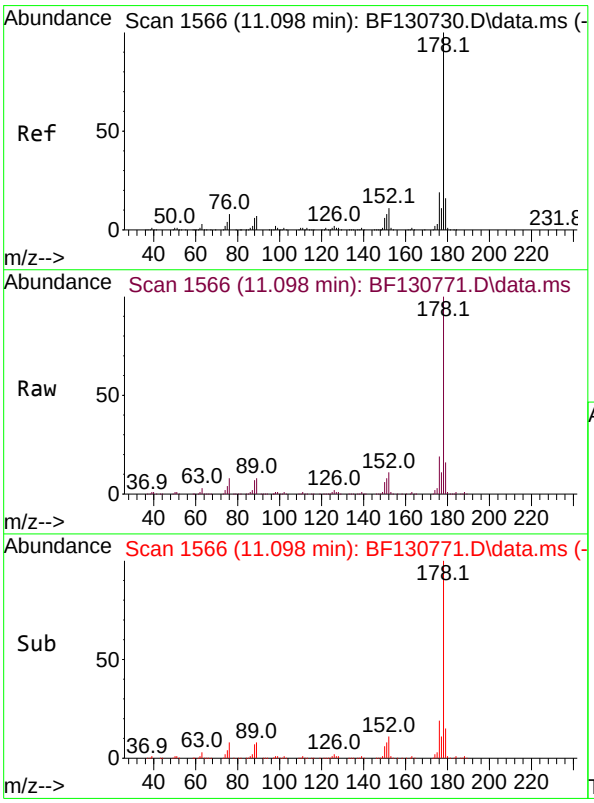
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Instrument :
BNA_F
ClientSampleId :
MW-12DL

Tgt Ion:188 Resp: 421054

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.7	10.1
80	9.8	7.4	11.0

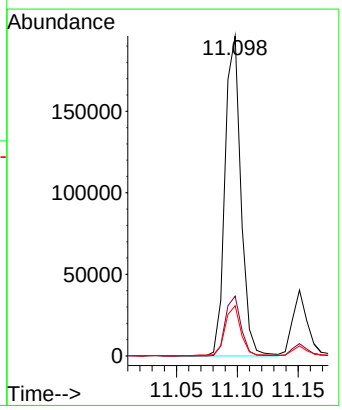


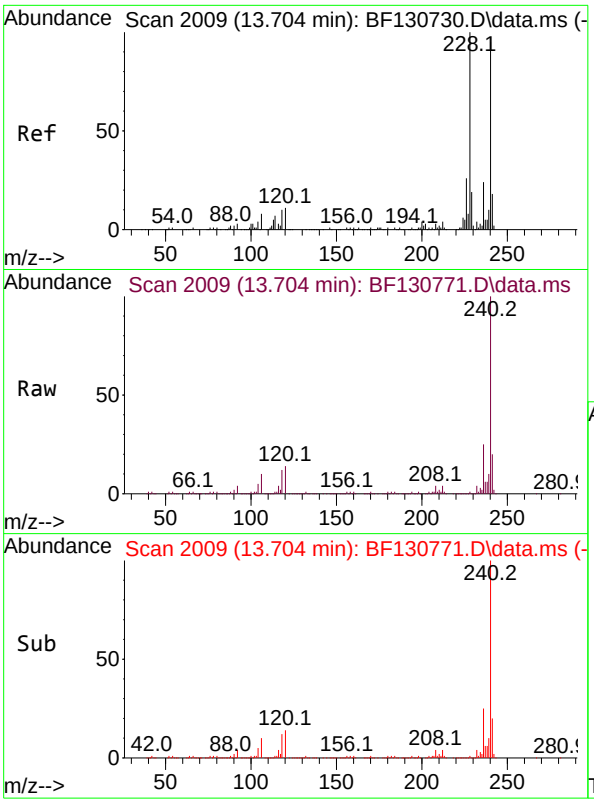


#71
Phenanthrene
Concen: 7.718 ng
RT: 11.098 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Tgt Ion:178 Resp: 178204

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.7	12.4	18.6



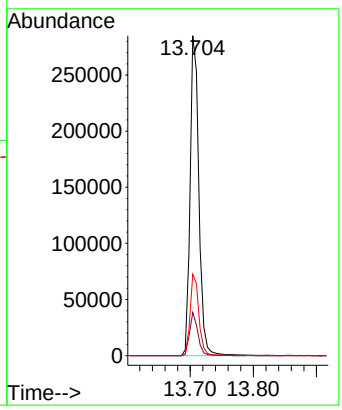


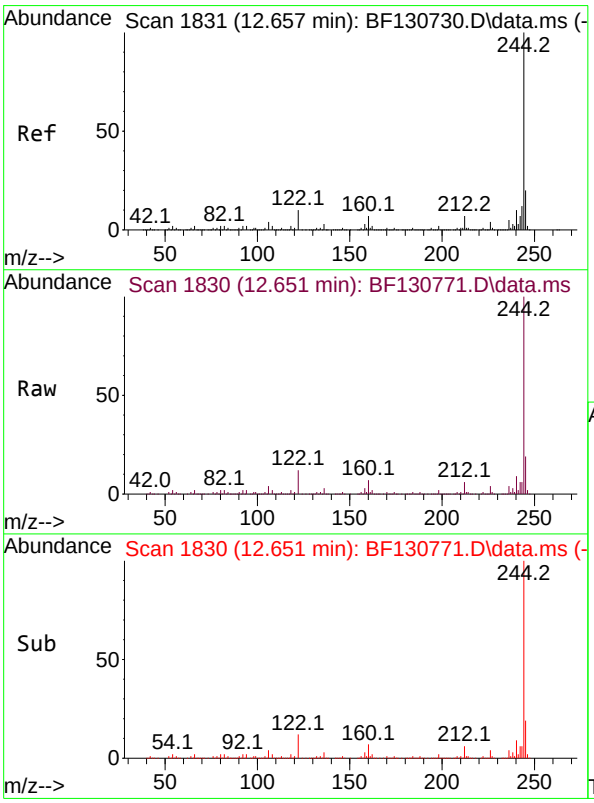
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.704 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Instrument :
BNA_F
ClientSampleId :
MW-12DL

Tgt Ion:240 Resp: 274554

Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.6	14.4
236	25.4	20.2	30.2

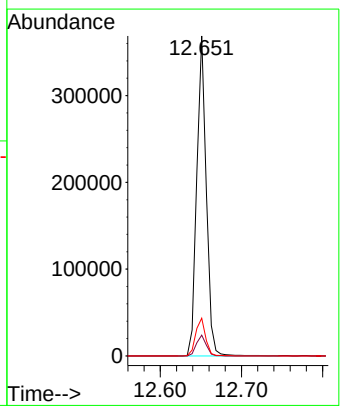


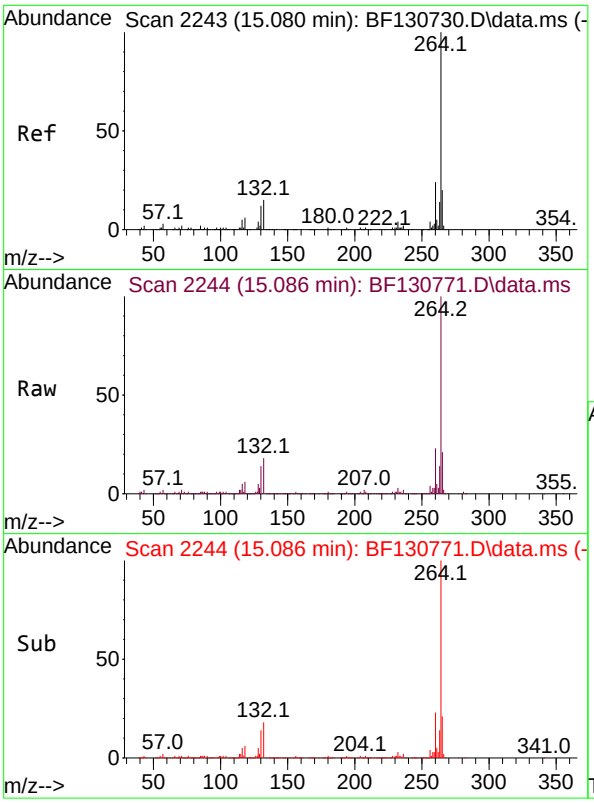


#79
Terphenyl-d14
Concen: 18.343 ng
RT: 12.651 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Tgt Ion:244 Resp: 298856

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	11.8	8.2	12.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.086 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF130771.D
Acq: 25 Oct 2022 16:08

Instrument :
BNA_F
ClientSampleId :
MW-12DL

Tgt Ion:264 Resp: 264700

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.2	16.2	24.4