Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010824\
Data File : BF137006.D
Acq On : 08 Jan 2024 21:06
Operator : CG\JU
Sample : P1038-02DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2DL

Quant Time: Jan 09 00:44:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	51141	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	189767	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	85286	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	135408	20.000	ng	0.00
76) Chrysene-d12	13.969	240	107902	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	132771	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	138442	42.238	ng	0.00
7) Phenol-d6	6.434	99	119788	28.205	ng	0.00
23) Nitrobenzene-d5	7.345	82	198145	53.430	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	64777	64.491	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	385481	60.791	ng	-0.01
79) Terphenyl-d14	12.904	244	306222	39.660	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.081	128	85003	8.154	ng	# 93
37) 2-Methylnaphthalene	8.775	142	312783	46.619	ng	99
38) 1-Methylnaphthalene	8.875	142	194968	29.619	ng	98
46) 1,1'-Biphenyl	9.239	154	50850	7.105	ng	98
52) Acenaphthene	9.851	154	20597	3.996	ng	# 82
58) Fluorene	10.369	166	32863	5.300	ng	# 93
71) Phenanthrene	11.339	178	91528	13.174	ng	96

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

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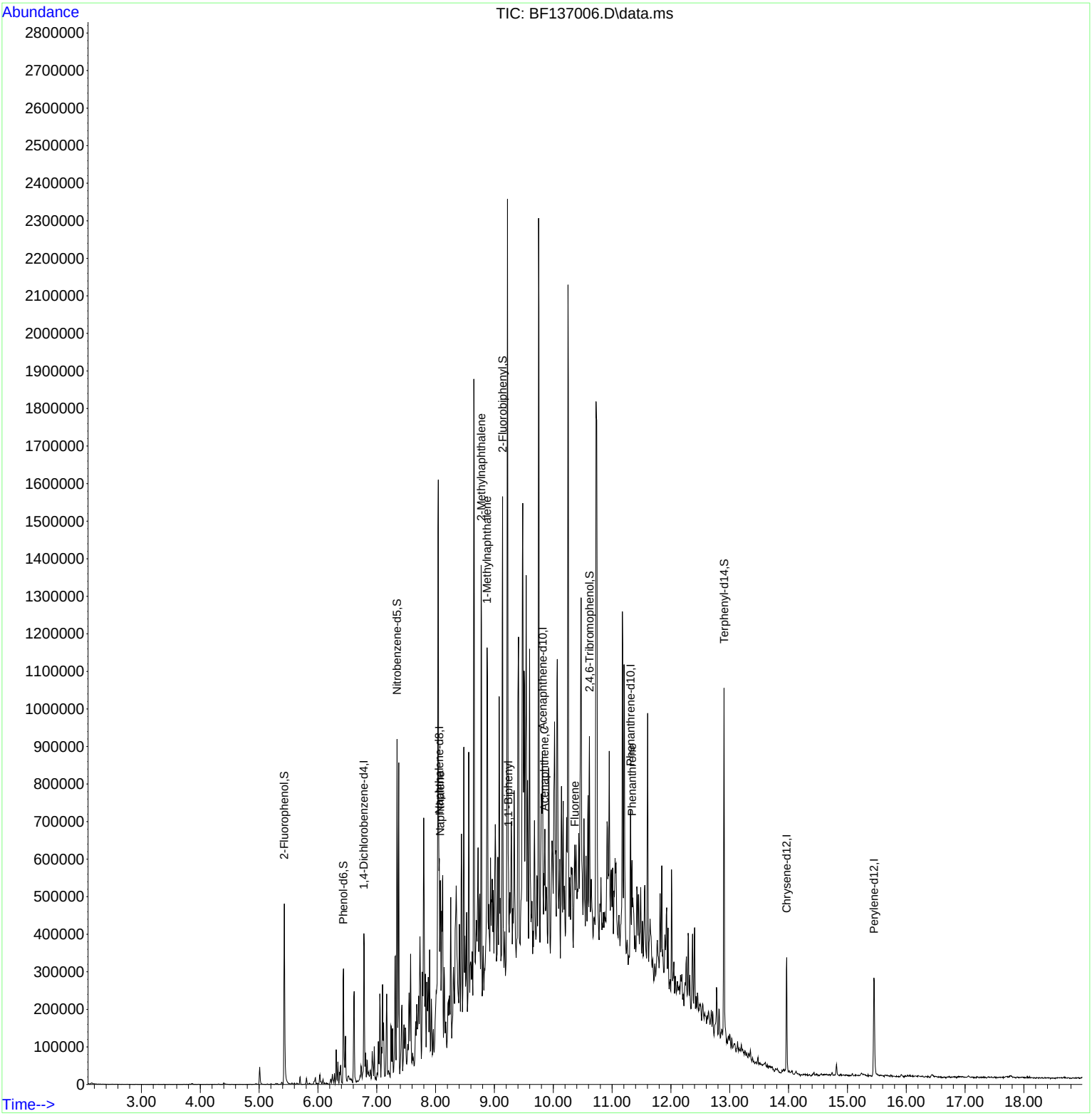
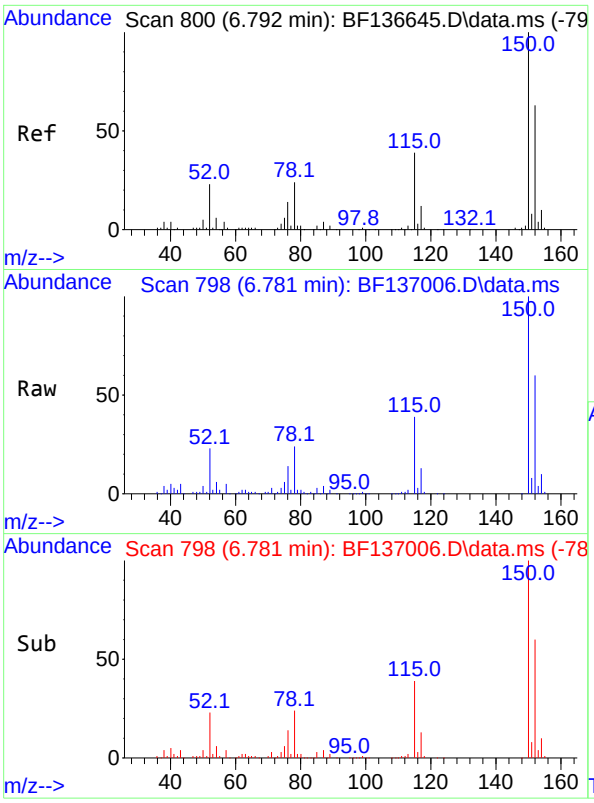


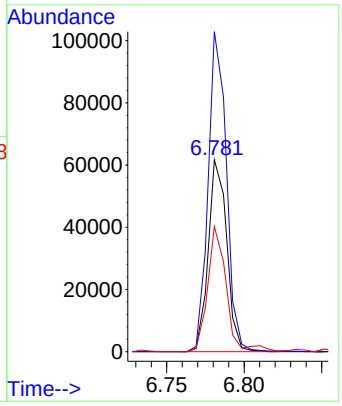


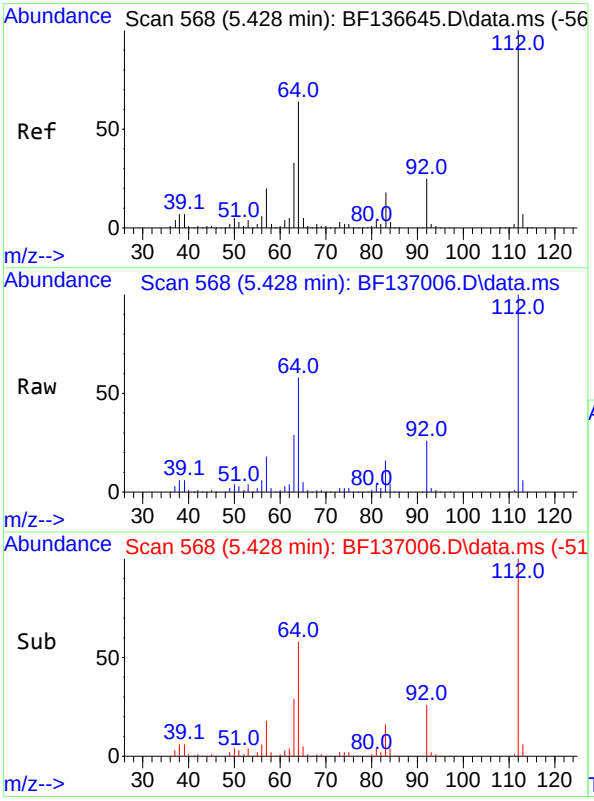
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Instrument :
BNA_F
ClientSampleId :
MW-2DL

Tgt Ion:152 Resp: 51141

Ion	Ratio	Lower	Upper
152	100		
150	166.8	127.0	190.6
115	65.2	49.0	73.4

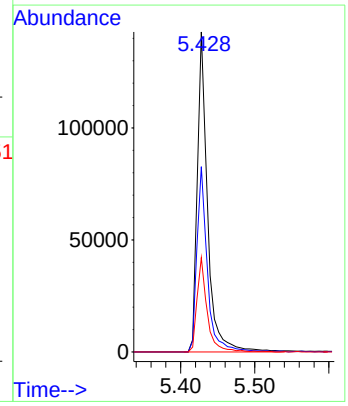


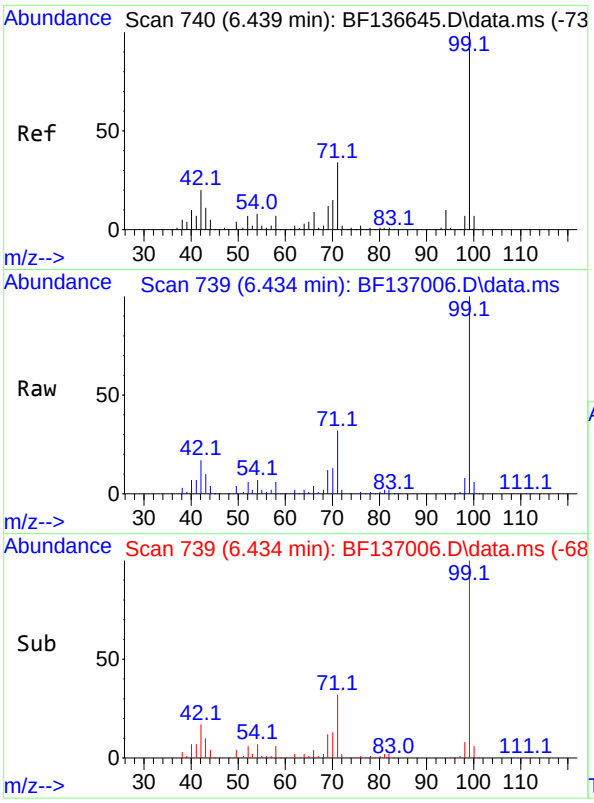


#5
2-Fluorophenol
Concen: 42.238 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:112 Resp: 138442

Ion	Ratio	Lower	Upper
112	100		
64	57.9	51.1	76.7
63	29.4	26.1	39.1



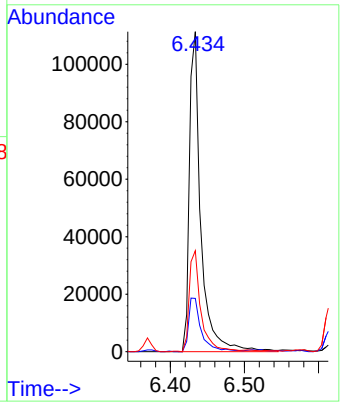


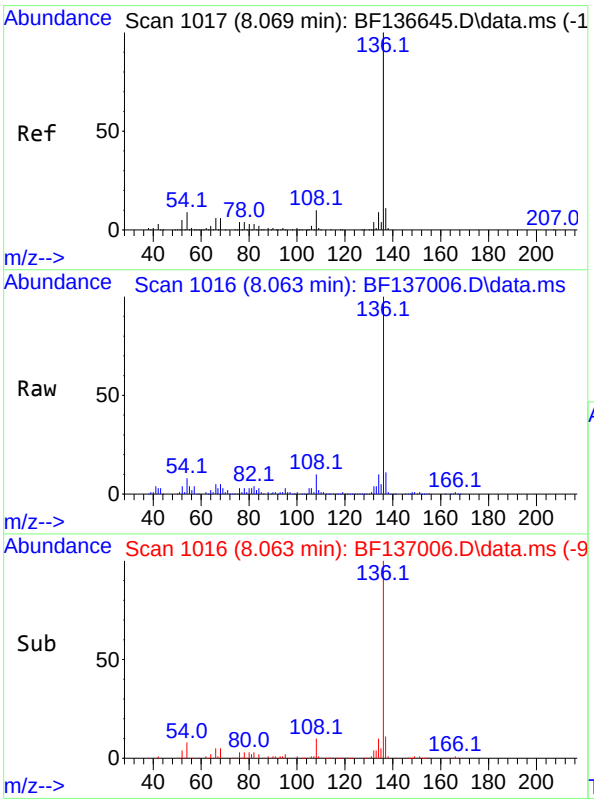
#7
Phenol-d6
Concen: 28.205 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Instrument :
BNA_F
ClientSampleId :
MW-2DL

Tgt Ion: 99 Resp: 119788

Ion	Ratio	Lower	Upper
99	100		
42	16.6	16.1	24.1
71	31.5	27.4	41.2

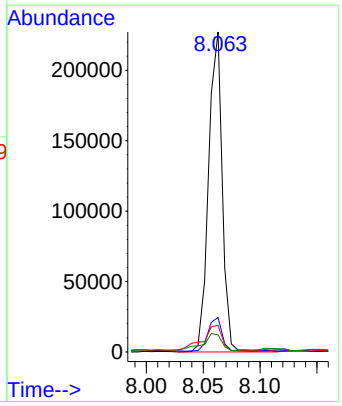


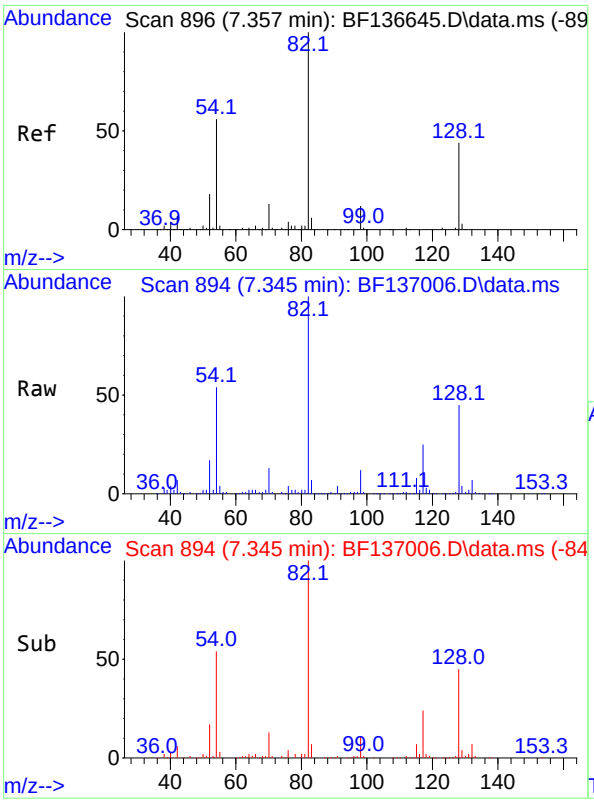


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:136 Resp: 189767

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	8.3	7.2	10.8
68	5.4	4.9	7.3



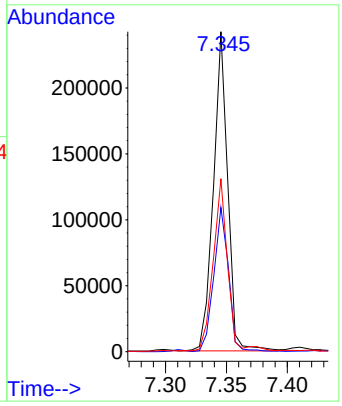


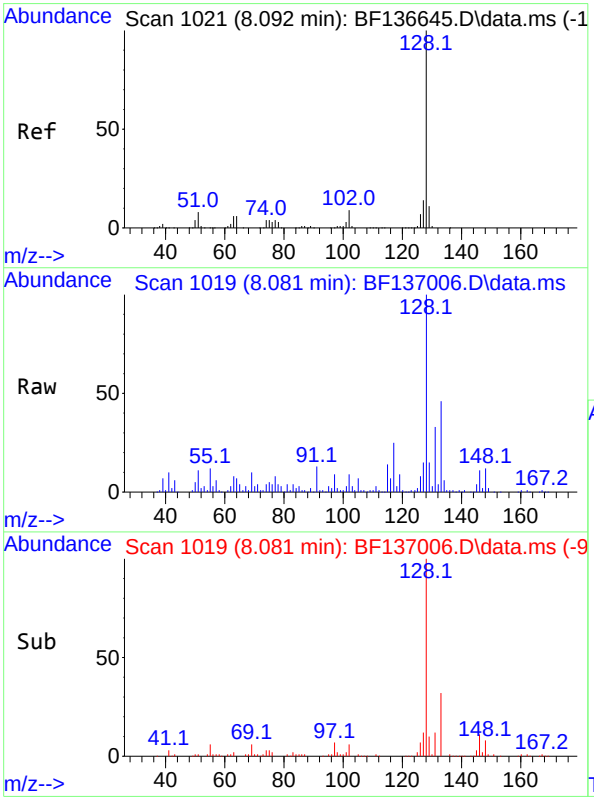
#23
Nitrobenzene-d5
Concen: 53.430 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Instrument :
BNA_F
ClientSampleId :
MW-2DL

Tgt Ion: 82 Resp: 198145

Ion	Ratio	Lower	Upper
82	100		
128	45.1	35.3	52.9
54	54.1	44.5	66.7

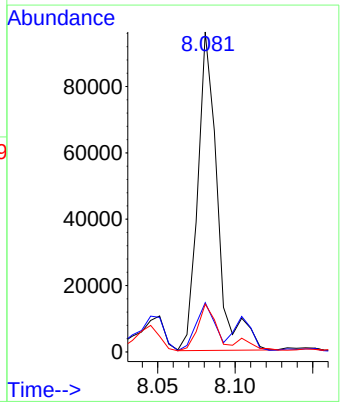


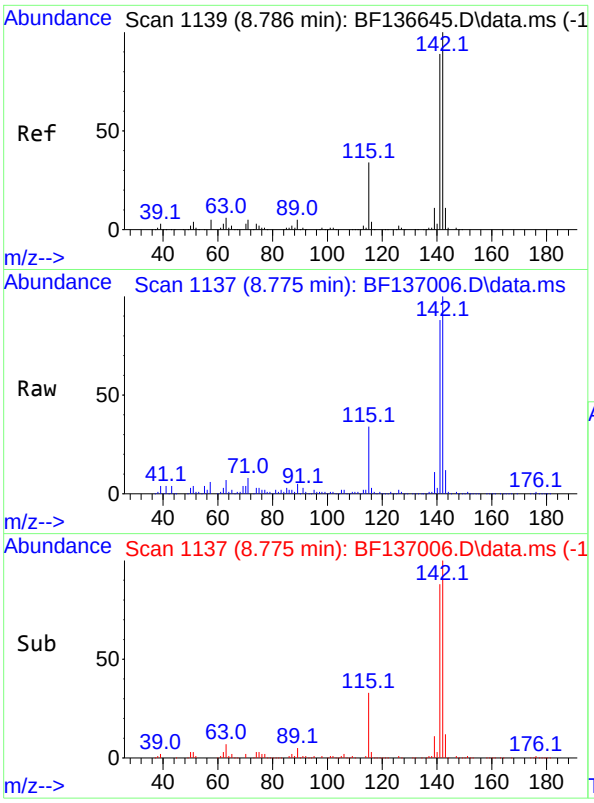


#31
Naphthalene
Concen: 8.154 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:128 Resp: 85003

Ion	Ratio	Lower	Upper
128	100		
129	15.4	8.7	13.1#
127	14.9	10.8	16.2



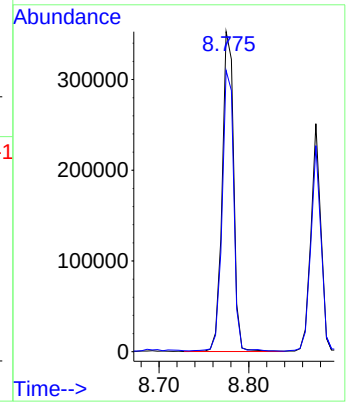


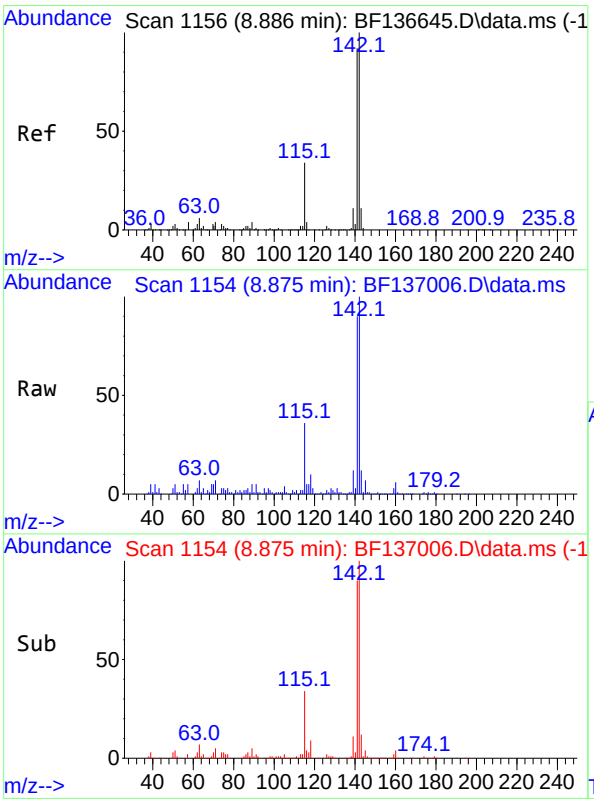
#37
2-Methylnaphthalene
Concen: 46.619 ng
RT: 8.775 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Instrument :
BNA_F
ClientSampleId :
MW-2DL

Tgt Ion:142 Resp: 312783

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.1	106.7

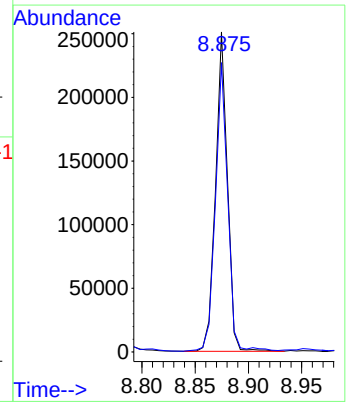


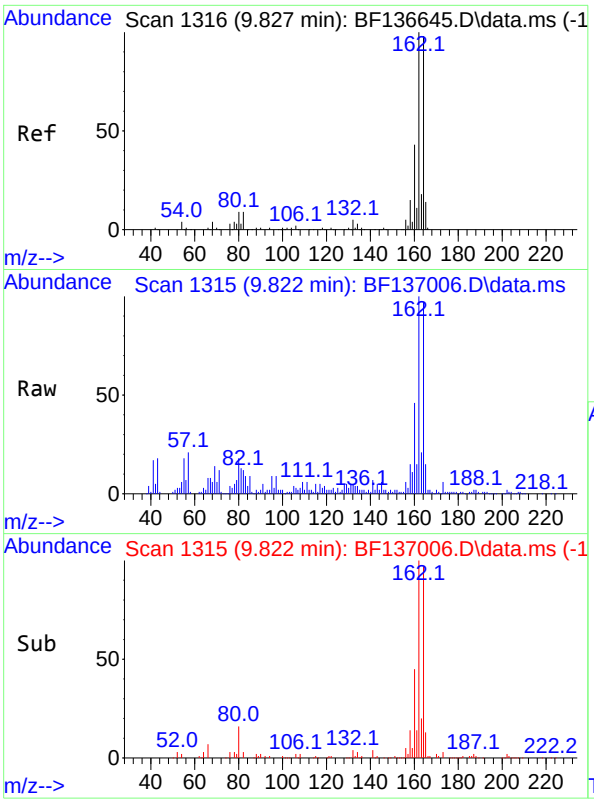


#38
1-Methylnaphthalene
Concen: 29.619 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:142 Resp: 194968

Ion	Ratio	Lower	Upper
142	100		
141	90.4	73.6	110.4



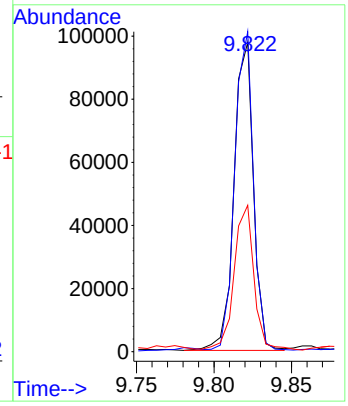


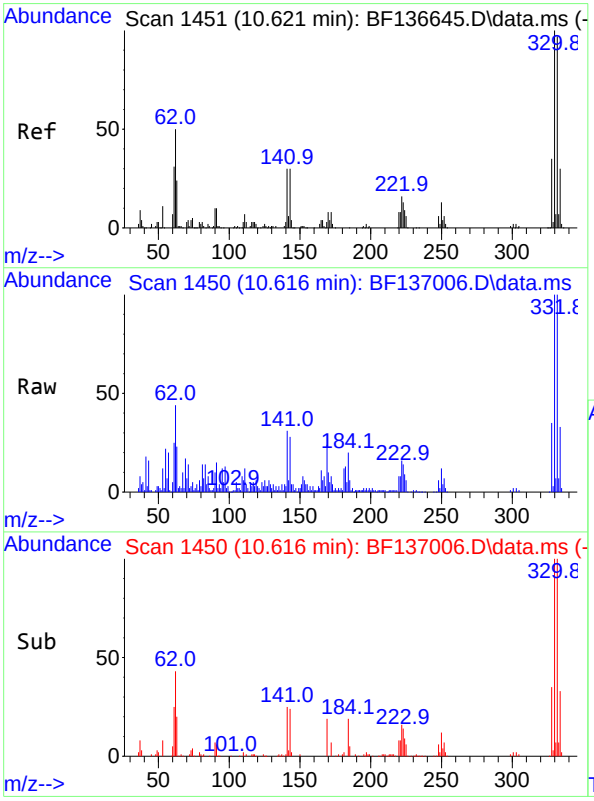
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Instrument :
BNA_F
ClientSampleId :
MW-2DL

Tgt Ion:164 Resp: 85286

Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.6	122.4
160	47.3	34.9	52.3

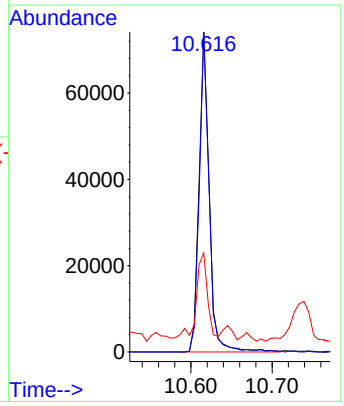


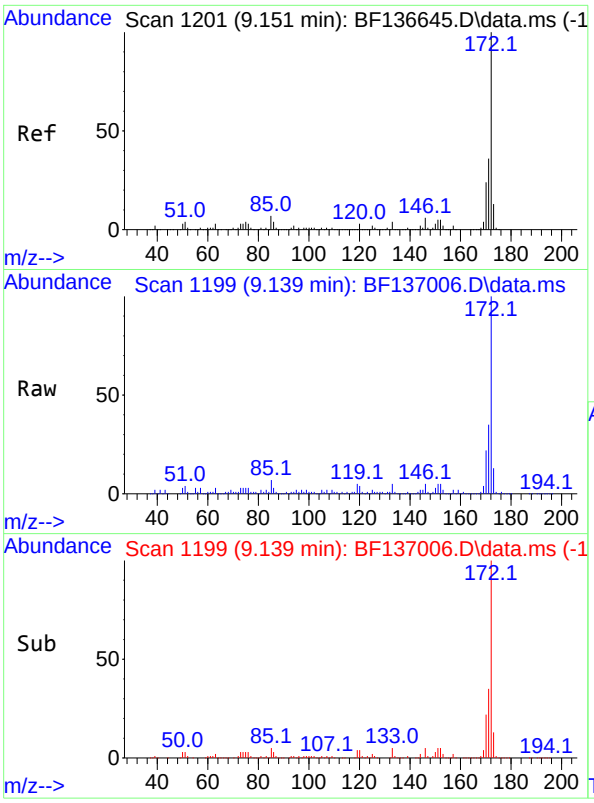


#42
2,4,6-Tribromophenol
Concen: 64.491 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:330 Resp: 64777

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.0
141	29.8	23.4	35.2



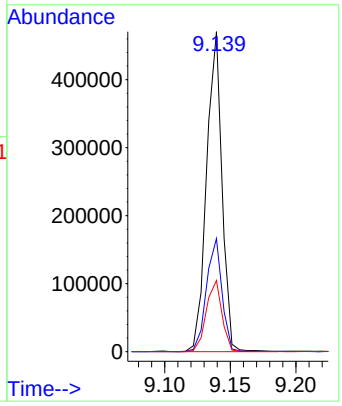


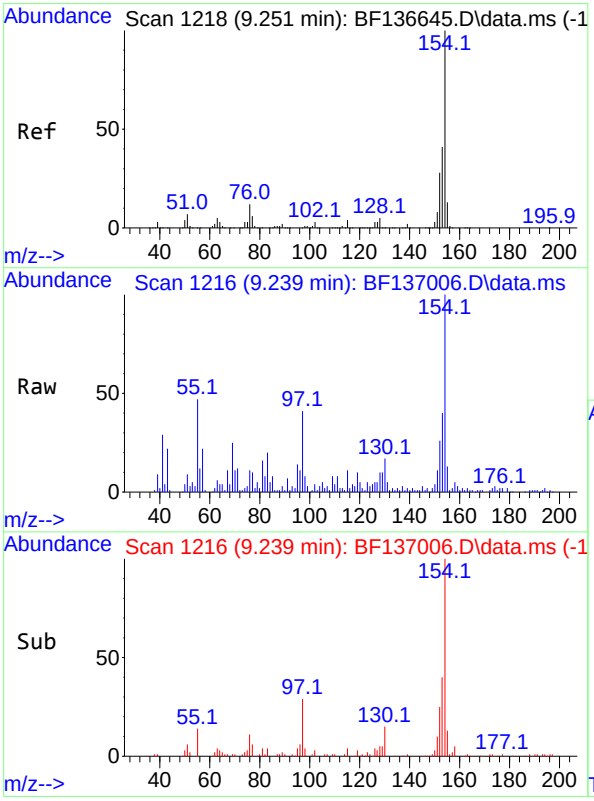
#45
2-Fluorobiphenyl
Concen: 60.791 ng
RT: 9.139 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Instrument :
BNA_F
ClientSampleId :
MW-2DL

Tgt Ion:172 Resp: 385481

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.6
170	22.2	19.0	28.4

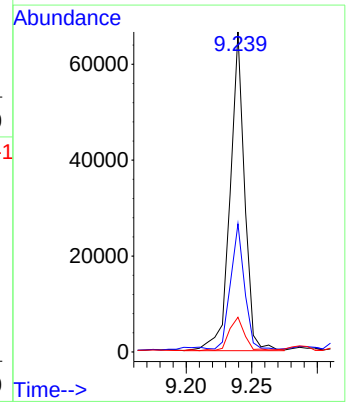


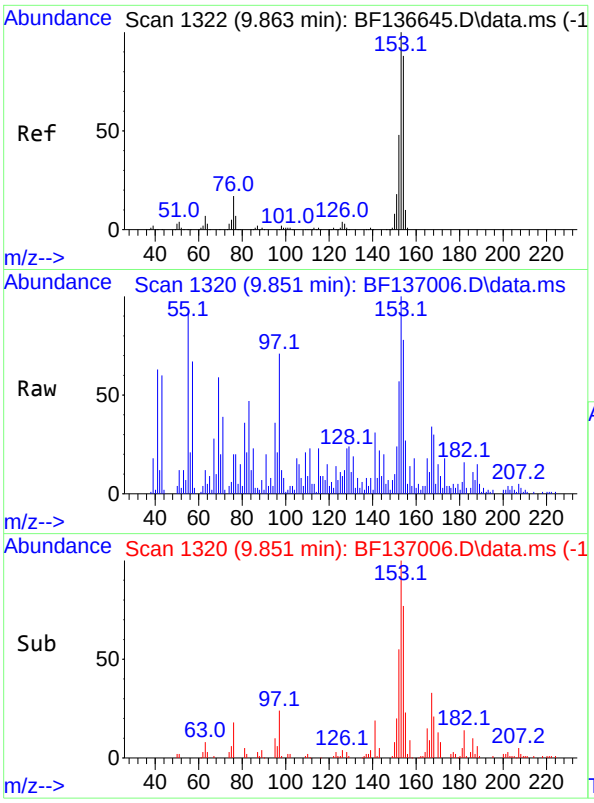


#46
1,1'-Biphenyl
Concen: 7.105 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:154 Resp: 50850

Ion	Ratio	Lower	Upper
154	100		
153	40.0	21.1	61.1
76	10.9	0.0	31.7



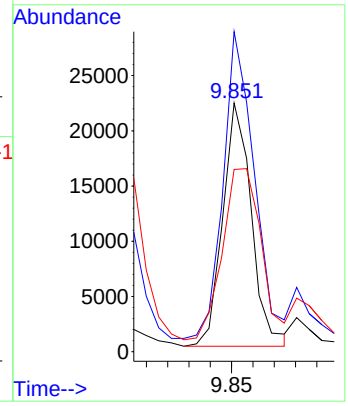


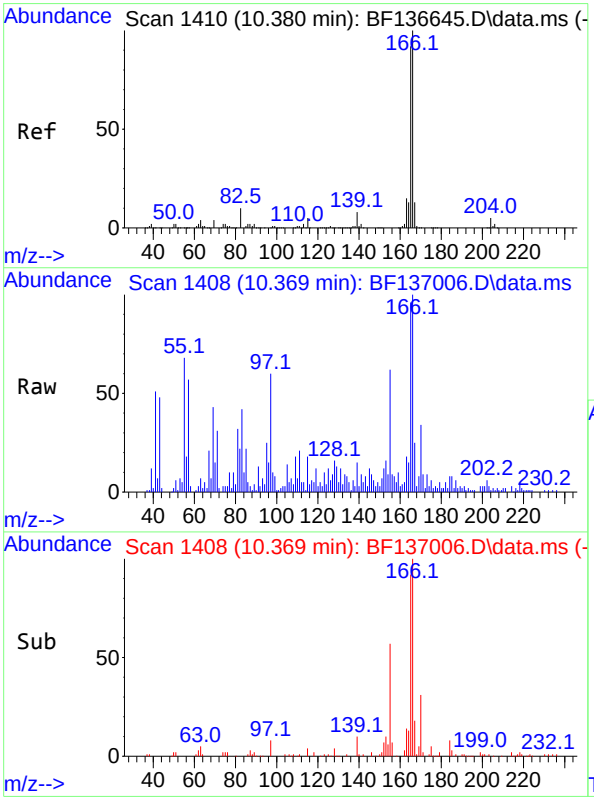
#52
Acenaphthene
Concen: 3.996 ng
RT: 9.851 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Instrument :
BNA_F
ClientSampleId :
MW-2DL

Tgt Ion:154 Resp: 20597

Ion	Ratio	Lower	Upper
154	100		
153	128.7	90.7	136.1
152	73.3	43.7	65.5#

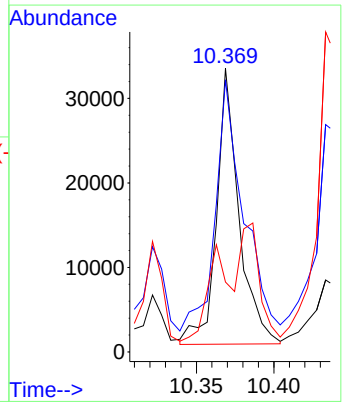


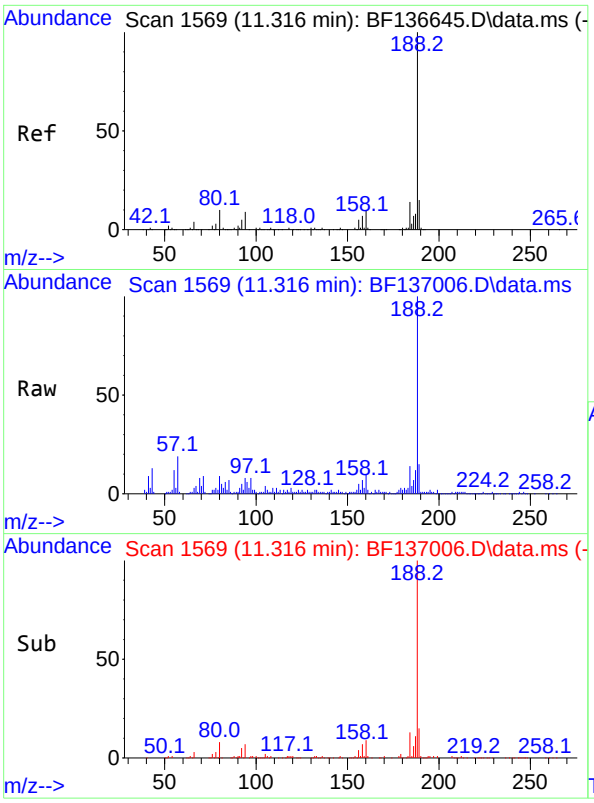


#58
Fluorene
Concen: 5.300 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:166 Resp: 32863

Ion	Ratio	Lower	Upper
166	100		
165	96.0	73.7	110.5
167	24.7	10.4	15.6#



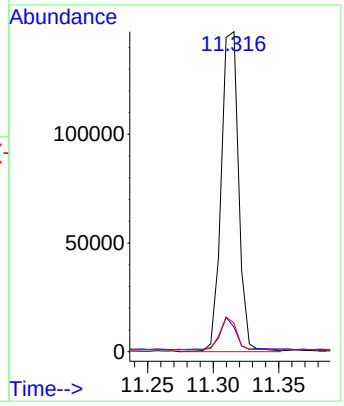


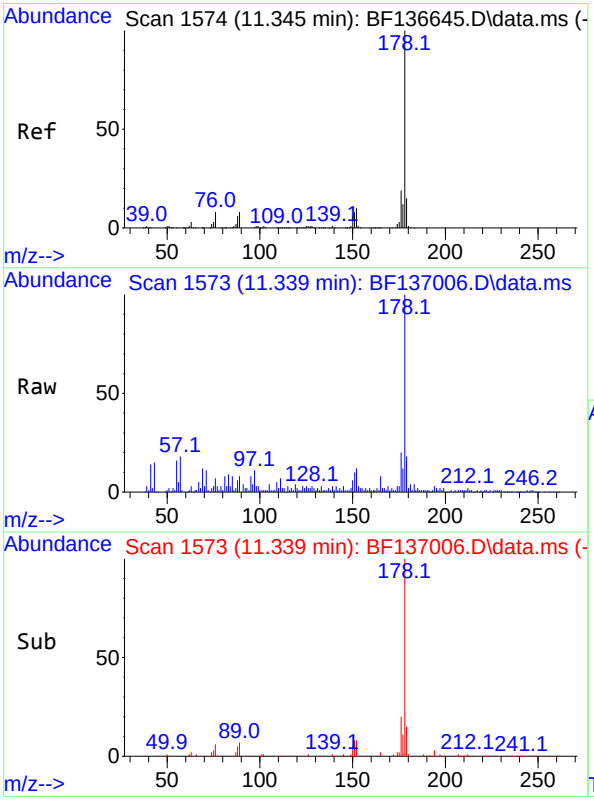
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Instrument :
BNA_F
ClientSampleId :
MW-2DL

Tgt Ion:188 Resp: 135408

Ion	Ratio	Lower	Upper
188	100		
94	7.7	7.5	11.3
80	8.9	8.1	12.1

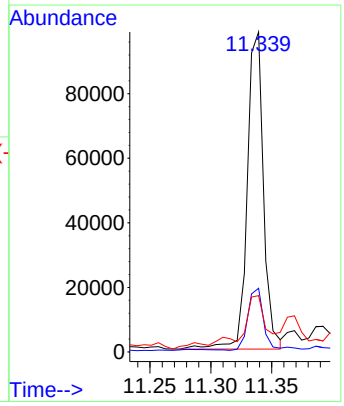


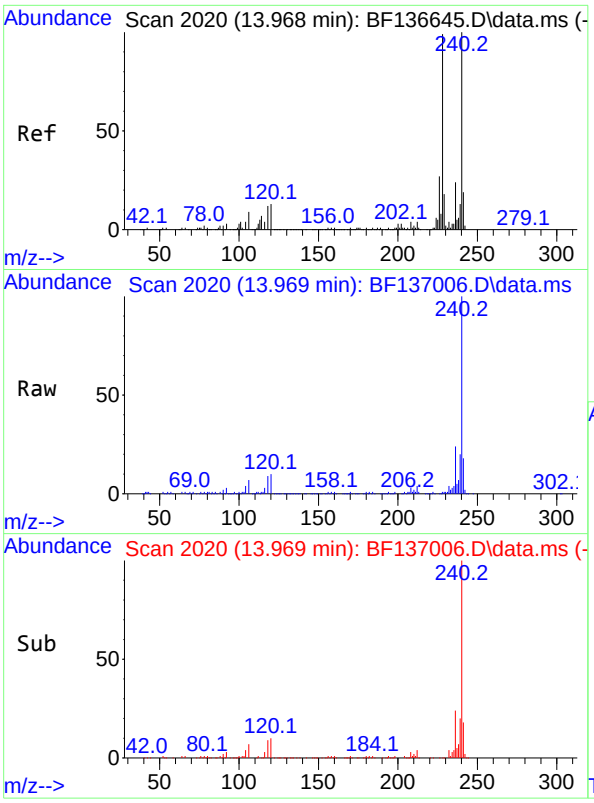


#71
Phenanthrene
Concen: 13.174 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:178 Resp: 91528

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.3	22.9
179	17.6	11.9	17.9



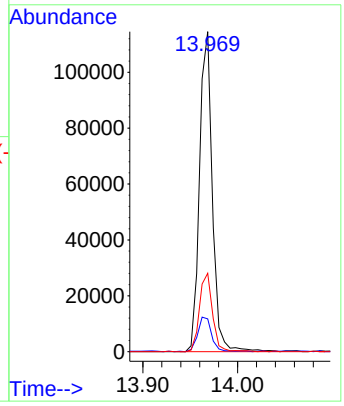


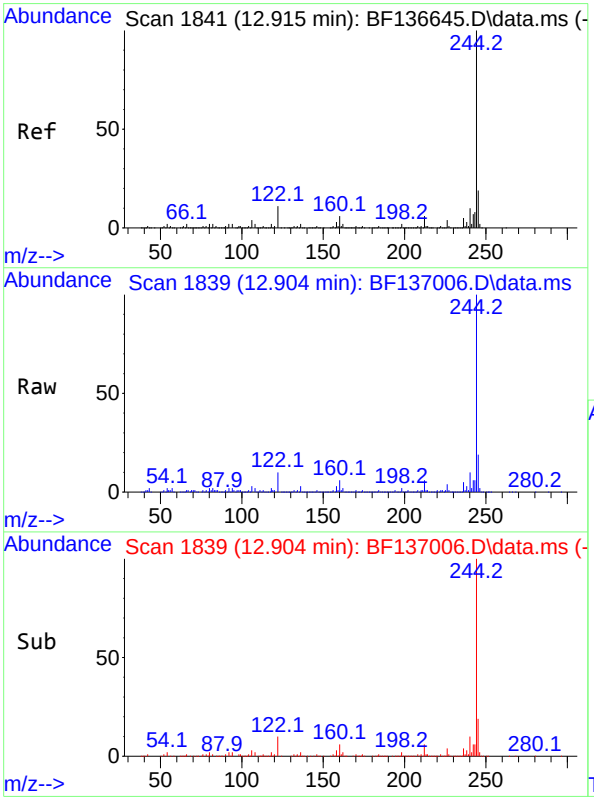
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Instrument :
BNA_F
ClientSampleId :
MW-2DL

Tgt Ion:240 Resp: 107902

Ion	Ratio	Lower	Upper
240	100		
120	10.2	10.3	15.5#
236	24.5	19.4	29.2

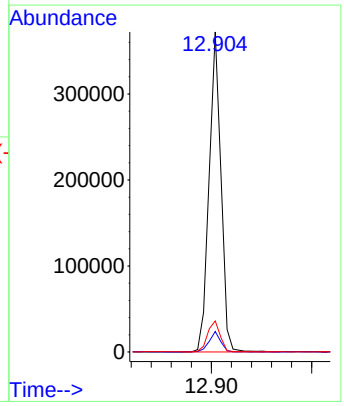


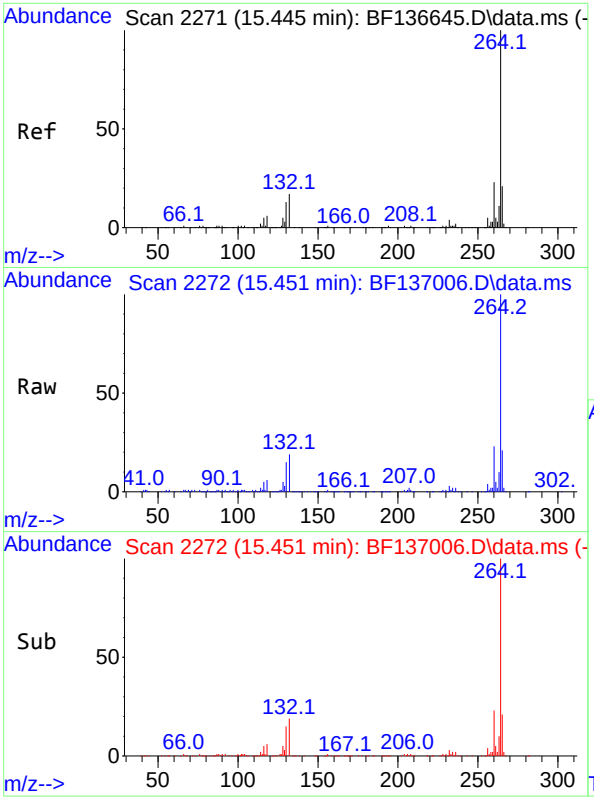


#79
Terphenyl-d14
Concen: 39.660 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:244 Resp: 306222

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.0	7.4
122	9.7	9.0	13.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Instrument :
BNA_F
ClientSampleId :
MW-2DL

Tgt Ion:264 Resp: 132771

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.3	27.5
265	21.0	17.0	25.6