Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100523\
Data File : BF135614.D
Acq On : 05 Oct 2023 22:53
Operator : CG\JU
Sample : 04686-01DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Quant Time: Oct 06 03:49:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.739	152	118052	20.000	ng		0.00
21) Naphthalene-d8	8.022	136	403351	20.000	ng	#	0.00
39) Acenaphthene-d10	9.780	164	172610	20.000	ng		0.00
64) Phenanthrene-d10	11.269	188	275474	20.000	ng	#	0.00
76) Chrysene-d12	13.921	240	240380	20.000	ng	#	0.00
86) Perylene-d12	15.386	264	251723	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.381	112	65184	8.981	ng		0.01
7) Phenol-d6	6.392	99	82263	8.913	ng		0.00
23) Nitrobenzene-d5	7.304	82	50606	6.816	ng		0.00
42) 2,4,6-Tribromophenol	10.575	330	11963	6.974	ng		0.00
45) 2-Fluorobiphenyl	9.098	172	87579	7.655	ng		0.00
79) Terphenyl-d14	12.857	244	73269	4.725	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.039	128	108451	5.534	ng	#	93
37) 2-Methylnaphthalene	8.733	142	521331	39.574	ng		100
38) 1-Methylnaphthalene	8.833	142	309813	25.120	ng		98
52) Acenaphthene	9.810	154	31881	3.374	ng	#	84
58) Fluorene	10.328	166	58992	5.322	ng	#	89
71) Phenanthrene	11.292	178	149899	11.505	ng	#	95

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

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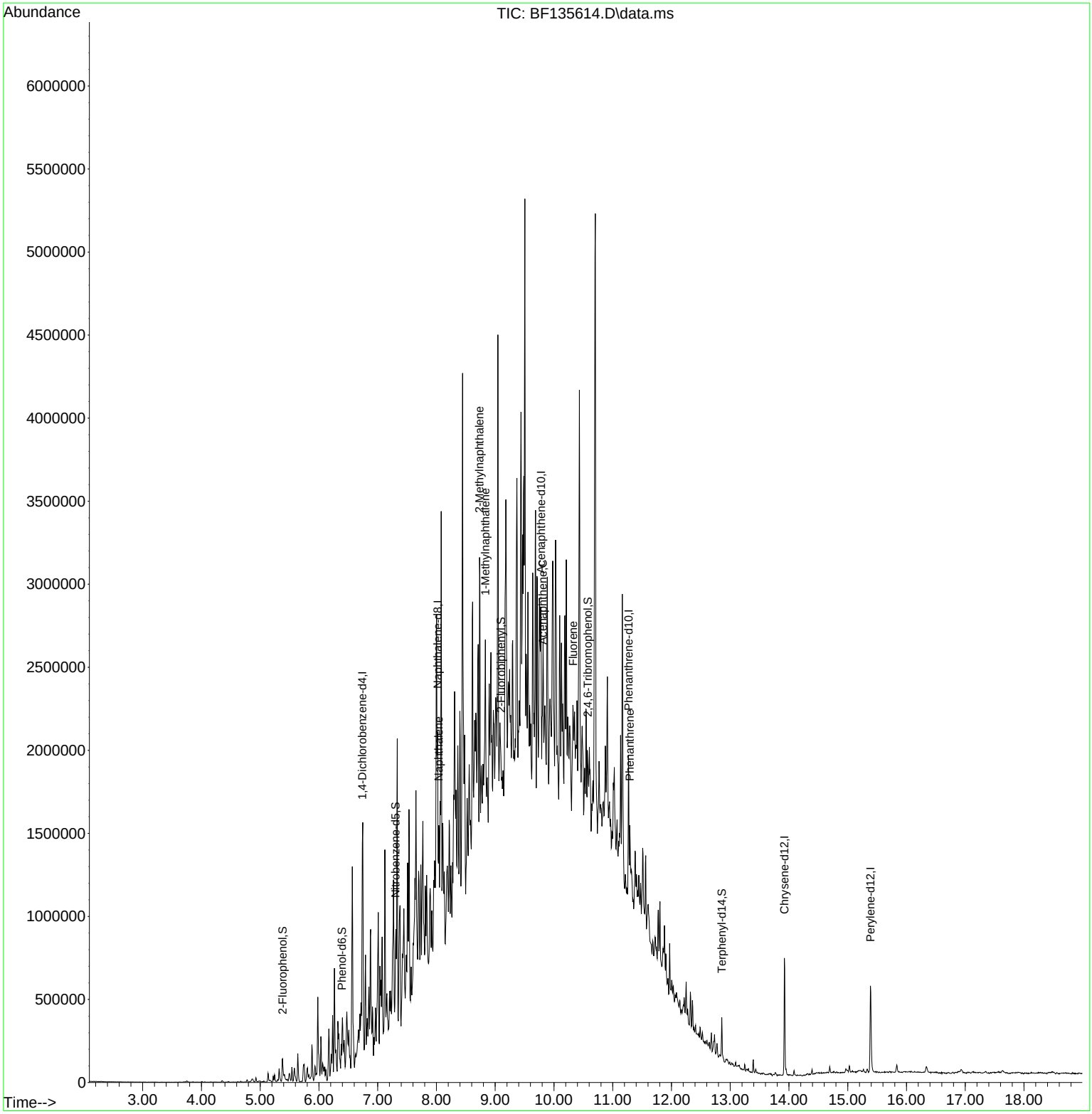
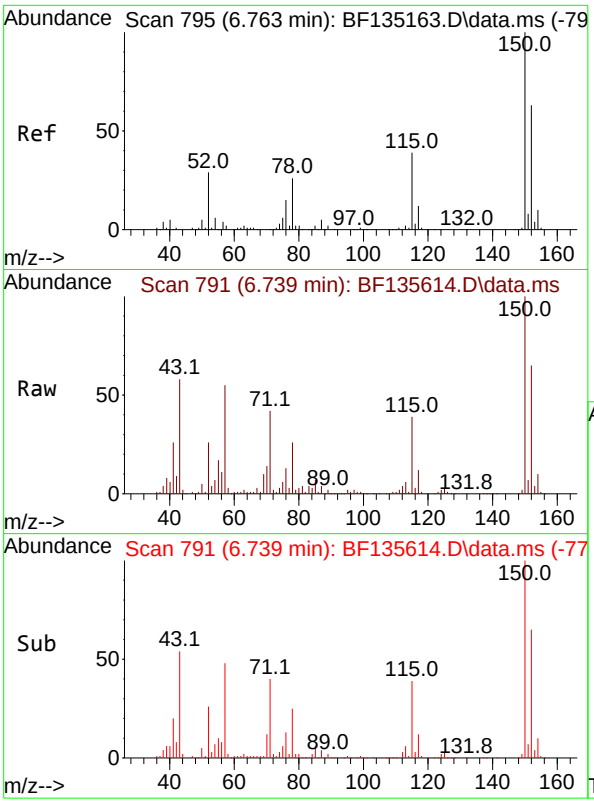


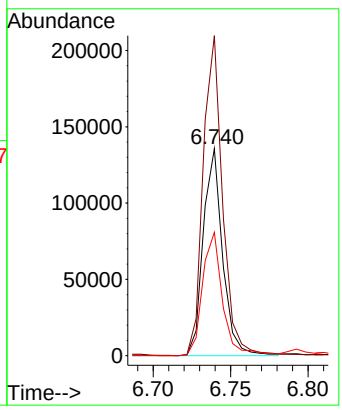


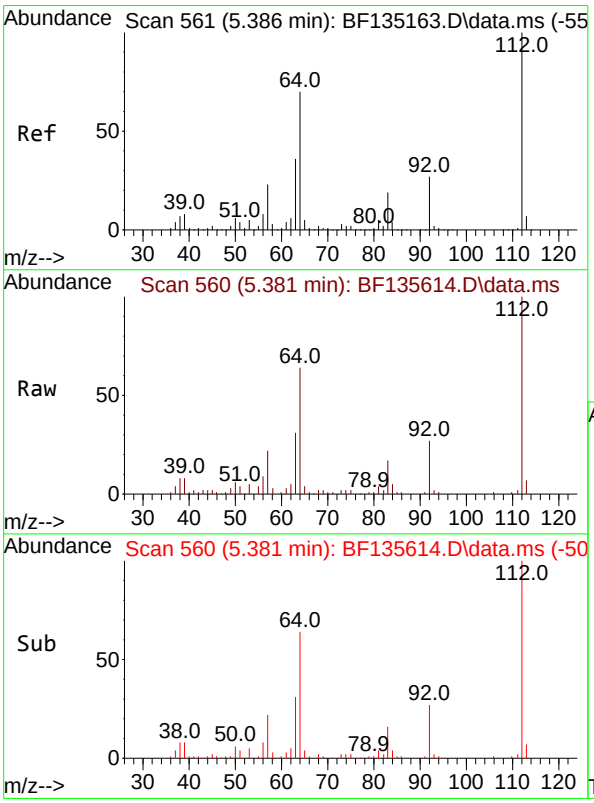
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Tgt Ion:152 Resp: 118052

Ion	Ratio	Lower	Upper
152	100		
150	154.6	127.8	191.6
115	59.6	49.8	74.8

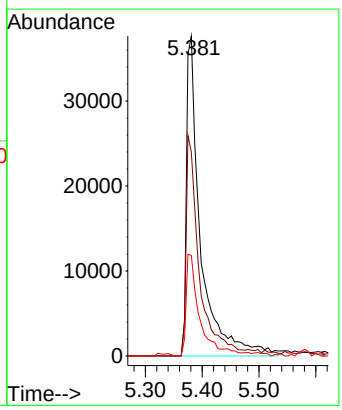


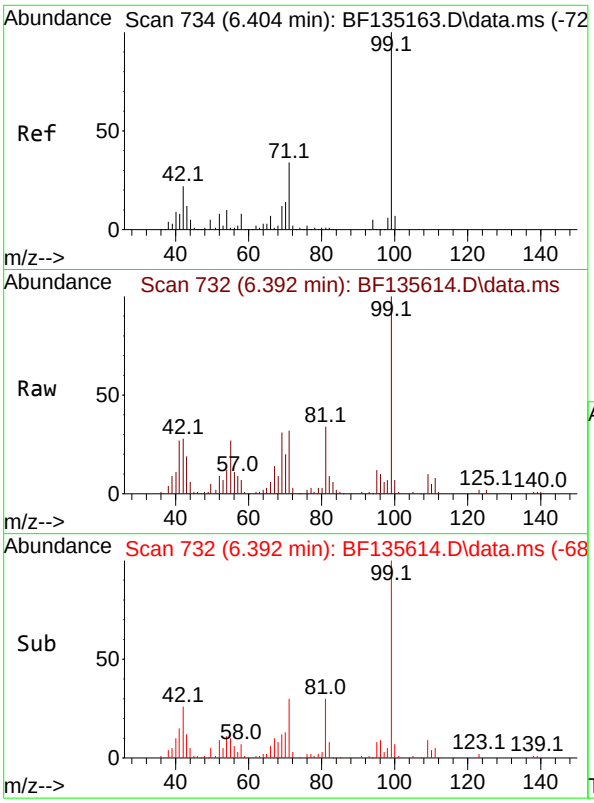


#5
2-Fluorophenol
Concen: 8.981 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:112 Resp: 65184

Ion	Ratio	Lower	Upper
112	100		
64	63.8	55.9	83.9
63	31.5	29.0	43.6



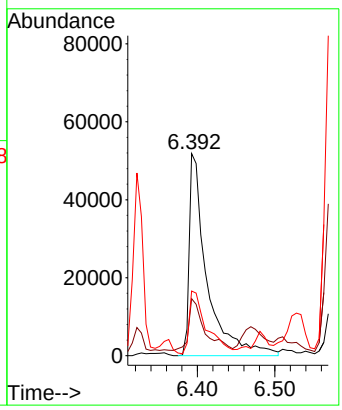


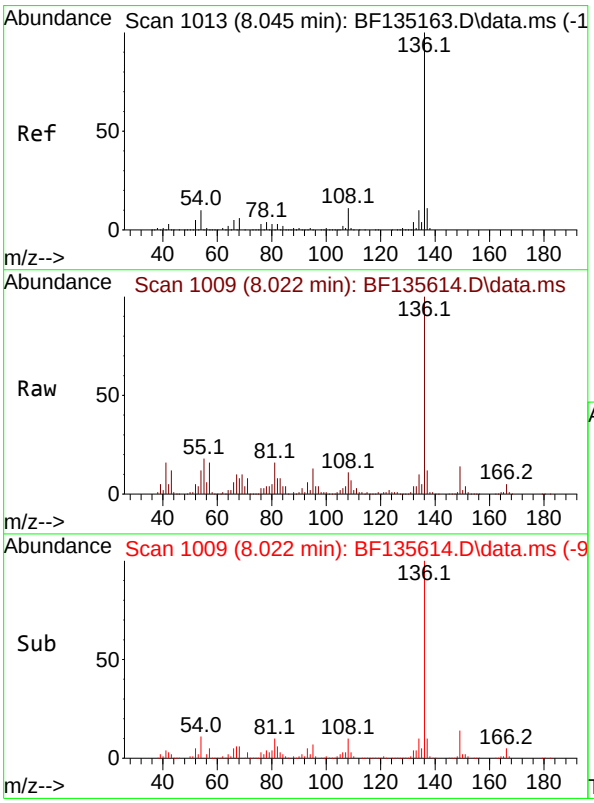
#7
Phenol-d6
Concen: 8.913 ng
RT: 6.392 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Tgt Ion: 99 Resp: 82263

Ion	Ratio	Lower	Upper
99	100		
42	28.2	17.9	26.9#
71	32.0	27.0	40.6

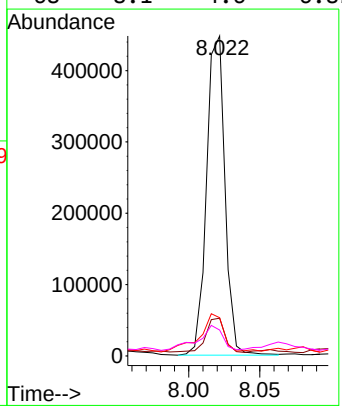


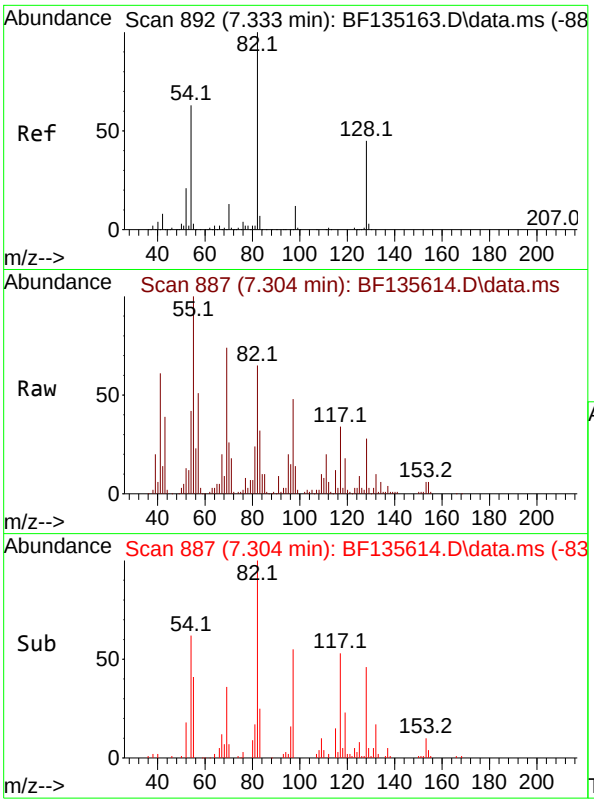


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. 0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:136 Resp: 403351

Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.8	13.2
54	11.9	7.7	11.5#
68	8.1	4.6	6.8#



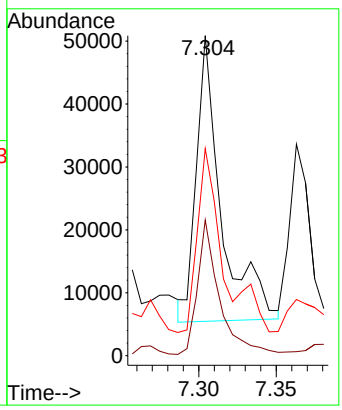


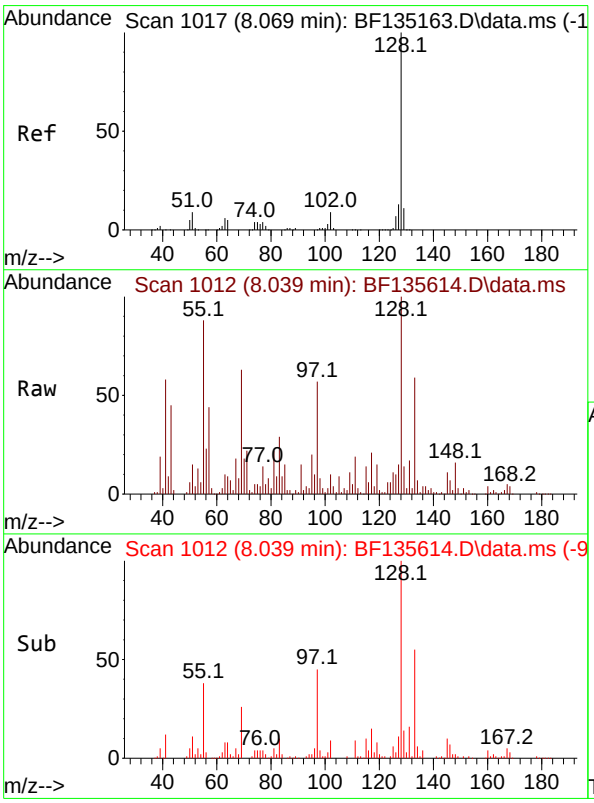
#23
Nitrobenzene-d5
Concen: 6.816 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Tgt Ion: 82 Resp: 50606

Ion	Ratio	Lower	Upper
82	100		
128	42.4	35.8	53.6
54	64.7	50.6	76.0

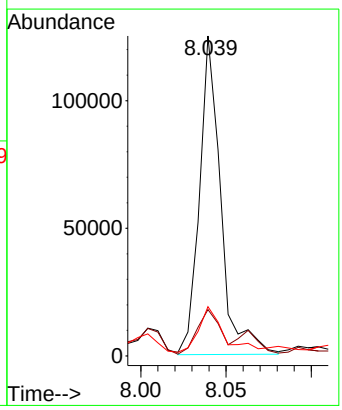


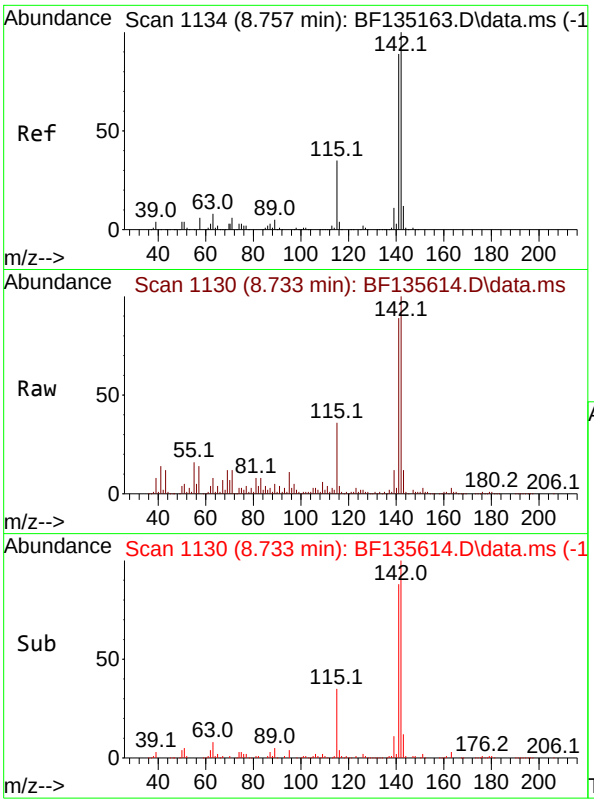


#31
Naphthalene
Concen: 5.534 ng
RT: 8.039 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:128 Resp: 108451

Ion	Ratio	Lower	Upper
128	100		
129	14.5	8.7	13.1#
127	15.4	10.7	16.1



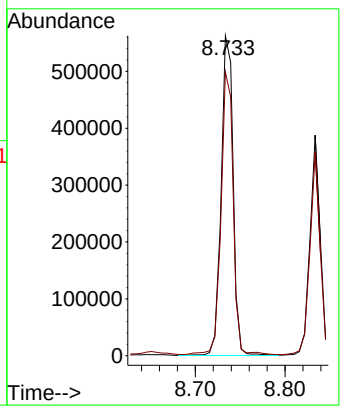


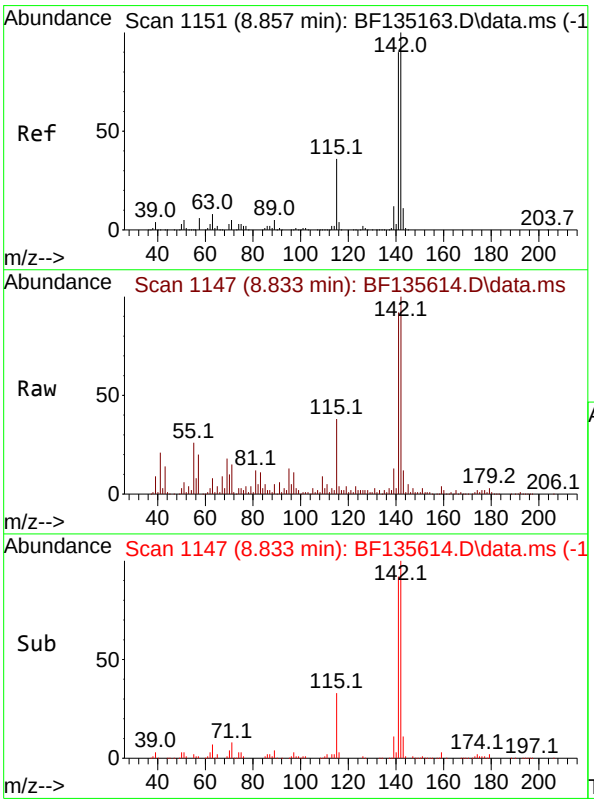
#37
2-Methylnaphthalene
Concen: 39.574 ng
RT: 8.733 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Tgt Ion:142 Resp: 521331

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.0	106.6

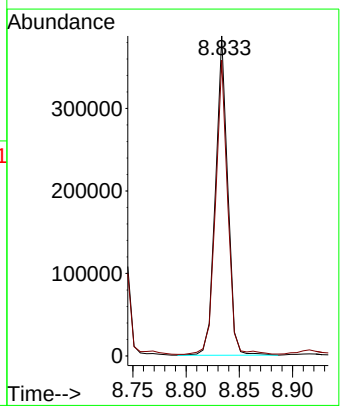


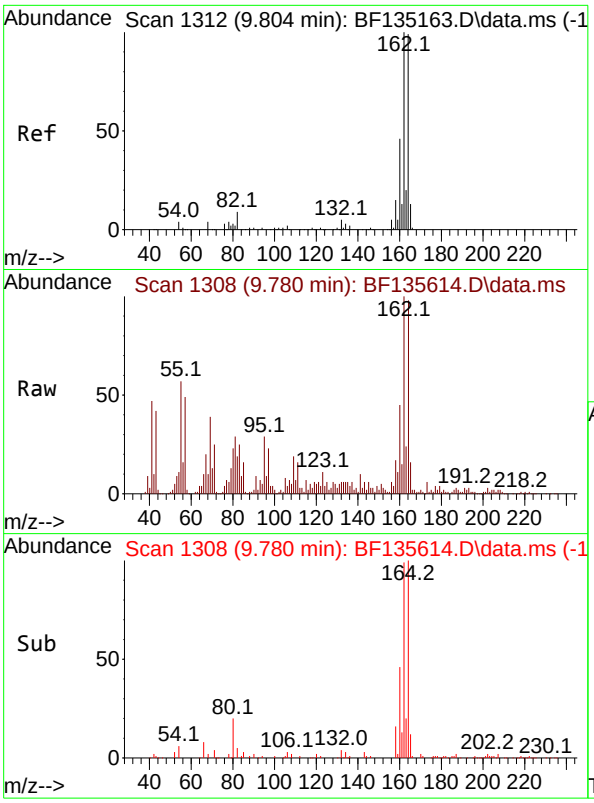


#38
1-Methylnaphthalene
Concen: 25.120 ng
RT: 8.833 min Scan# 1147
Delta R.T. 0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:142 Resp: 309813

Ion	Ratio	Lower	Upper
142	100		
141	92.4	72.4	108.6



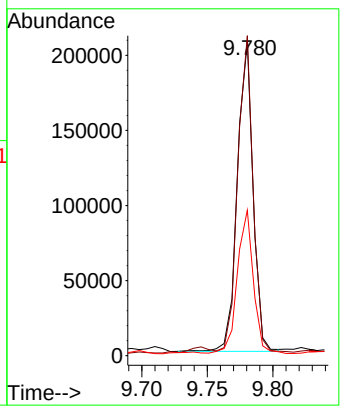


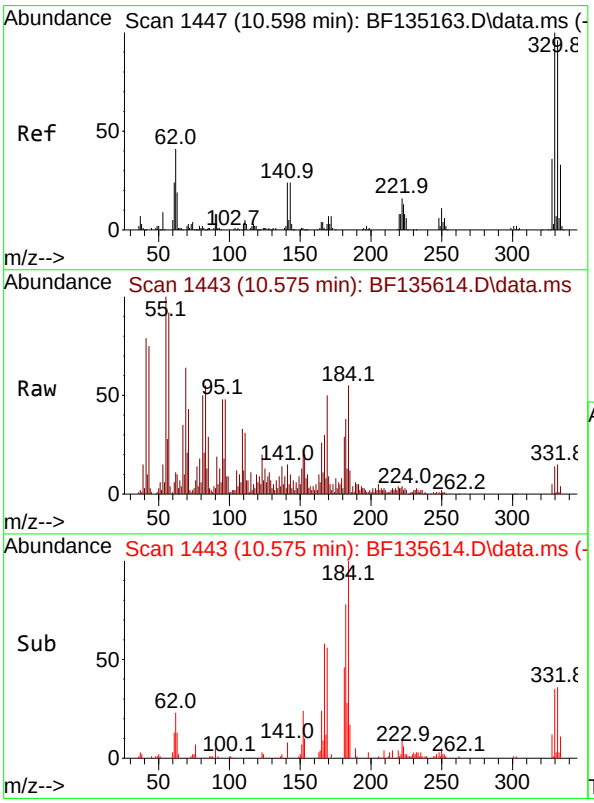
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Tgt Ion:164 Resp: 172610

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.0	121.4
160	46.4	37.0	55.4

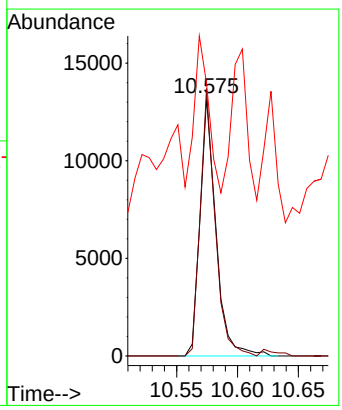


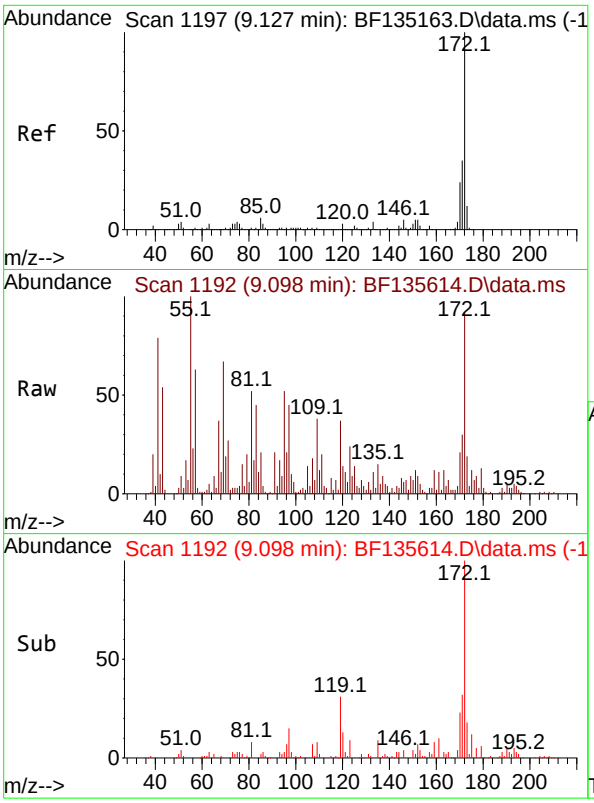


#42
2,4,6-Tribromophenol
Concen: 6.974 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:330 Resp: 11963

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.3	115.9
141	53.7	25.8	38.8#



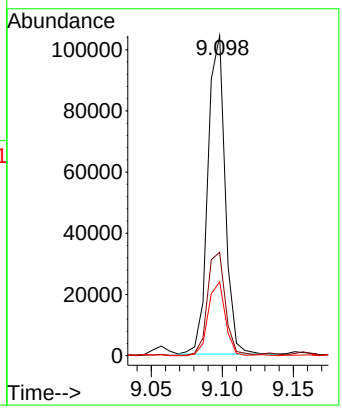


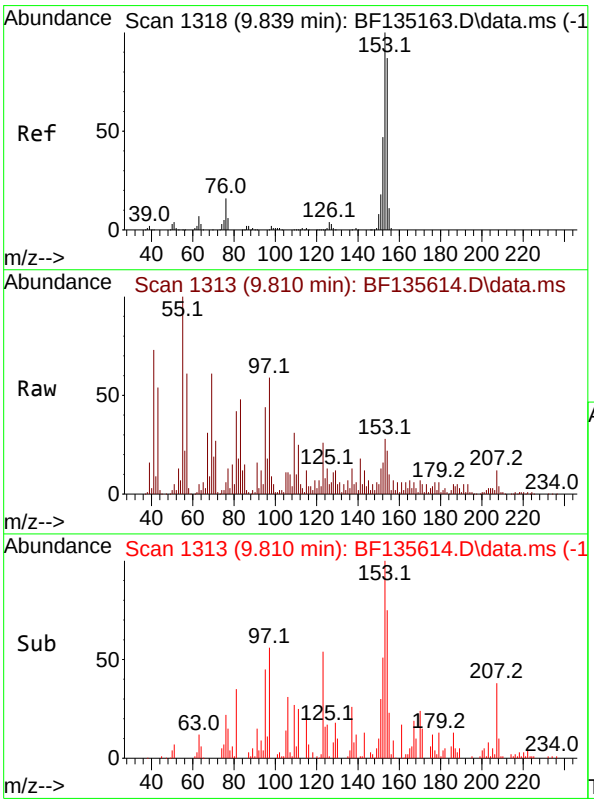
#45
2-Fluorobiphenyl
Concen: 7.655 ng
RT: 9.098 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Tgt Ion:172 Resp: 87579

Ion	Ratio	Lower	Upper
172	100		
171	32.3	28.4	42.6
170	23.0	19.0	28.4

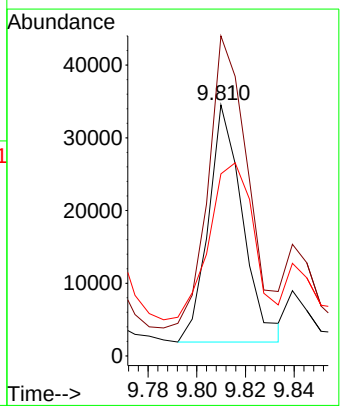


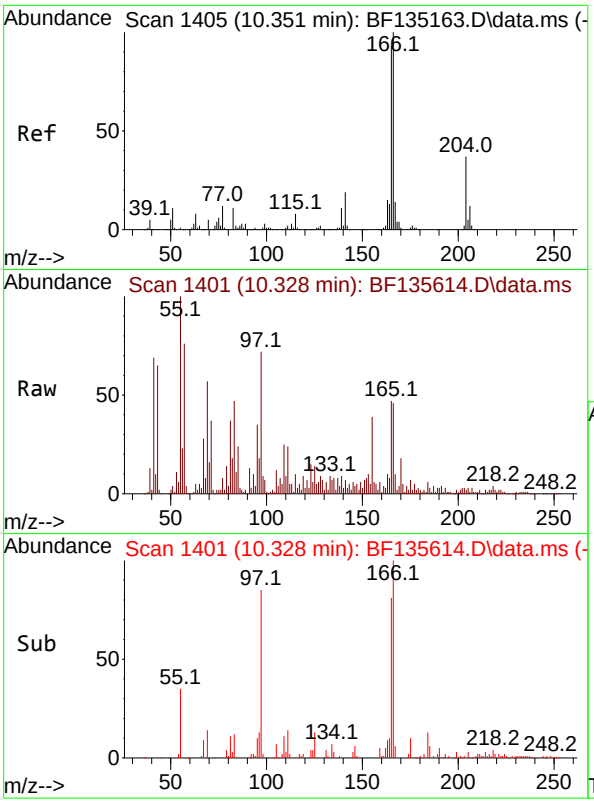


#52
Acenaphthene
Concen: 3.374 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:154 Resp: 31881

Ion	Ratio	Lower	Upper
154	100		
153	127.4	92.1	138.1
152	72.5	43.1	64.7#



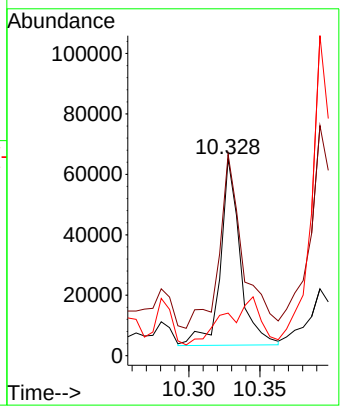


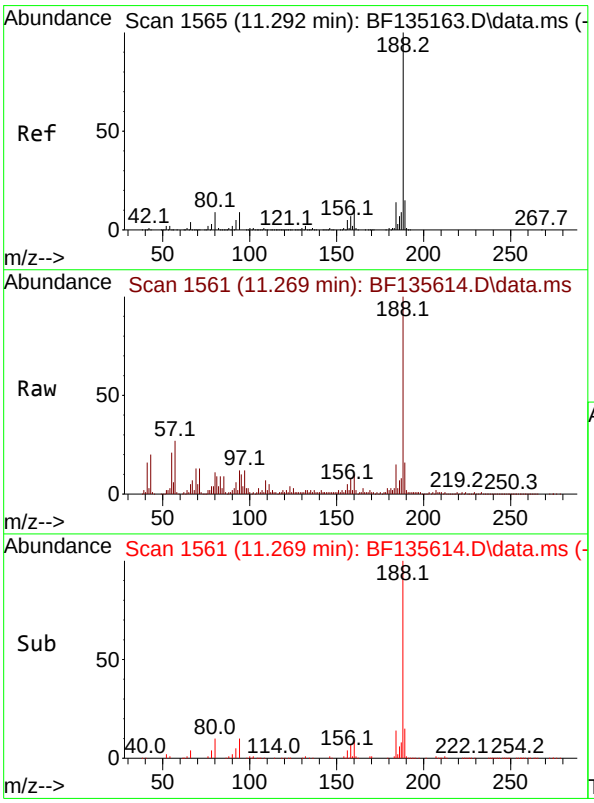
#58
Fluorene
Concen: 5.322 ng
RT: 10.328 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Tgt Ion:166 Resp: 58992

Ion	Ratio	Lower	Upper
166	100		
165	102.2	74.3	111.5
167	21.6	10.9	16.3#

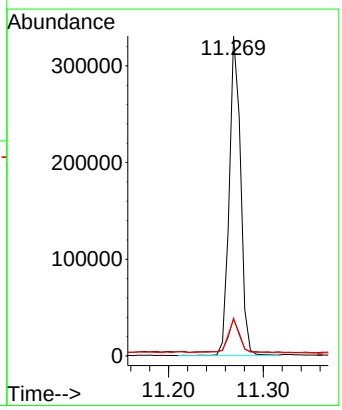


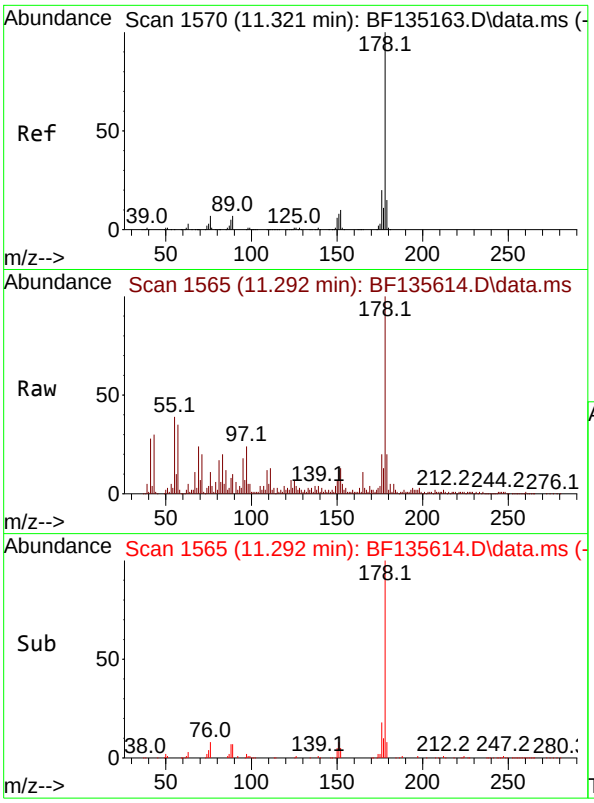


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:188 Resp: 275474

Ion	Ratio	Lower	Upper
188	100		
94	11.8	7.0	10.6#
80	11.5	7.5	11.3#



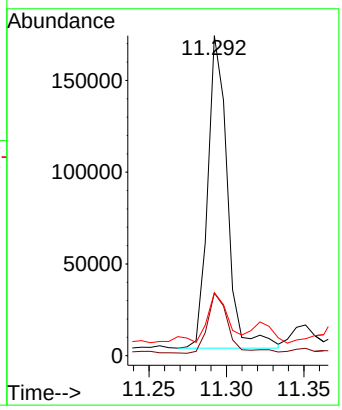


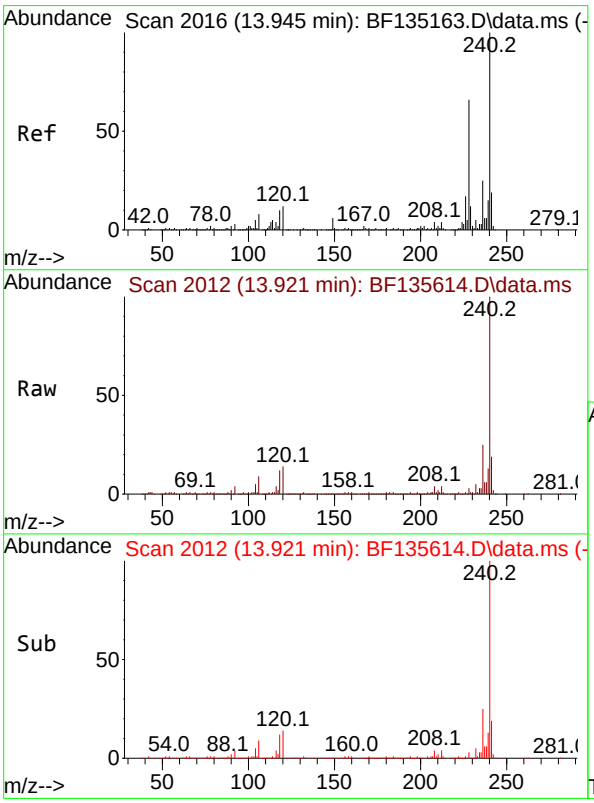
#71
Phenanthrene
Concen: 11.505 ng
RT: 11.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Tgt Ion:178 Resp: 149899

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	19.7	12.0	18.0#

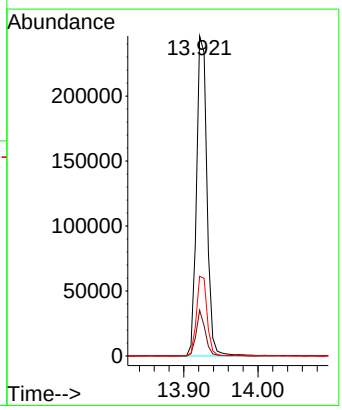


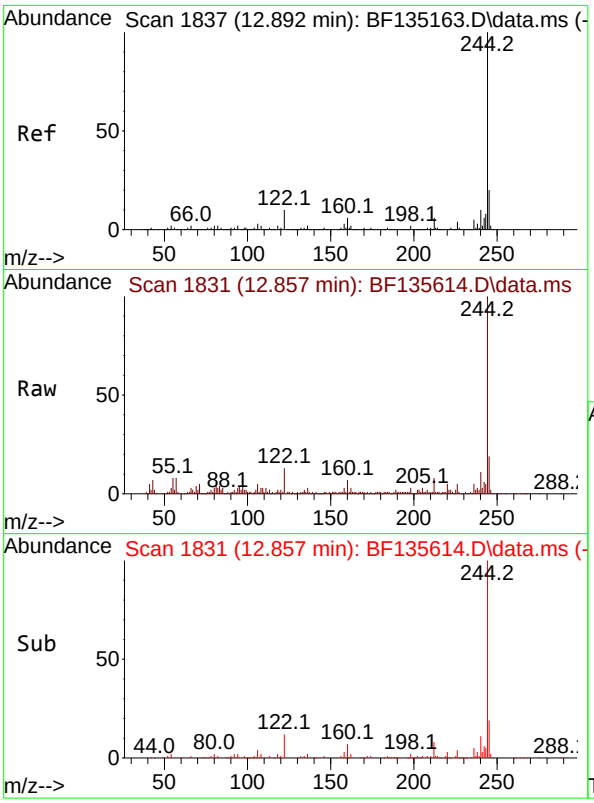


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.921 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:240 Resp: 240380

Ion	Ratio	Lower	Upper
240	100		
120	14.3	9.4	14.2#
236	24.9	19.8	29.8



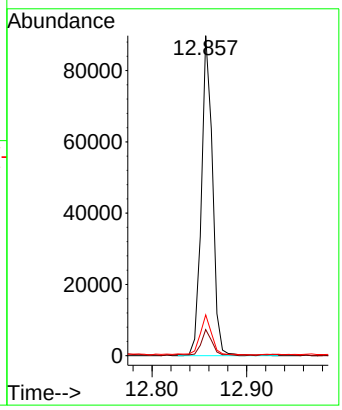


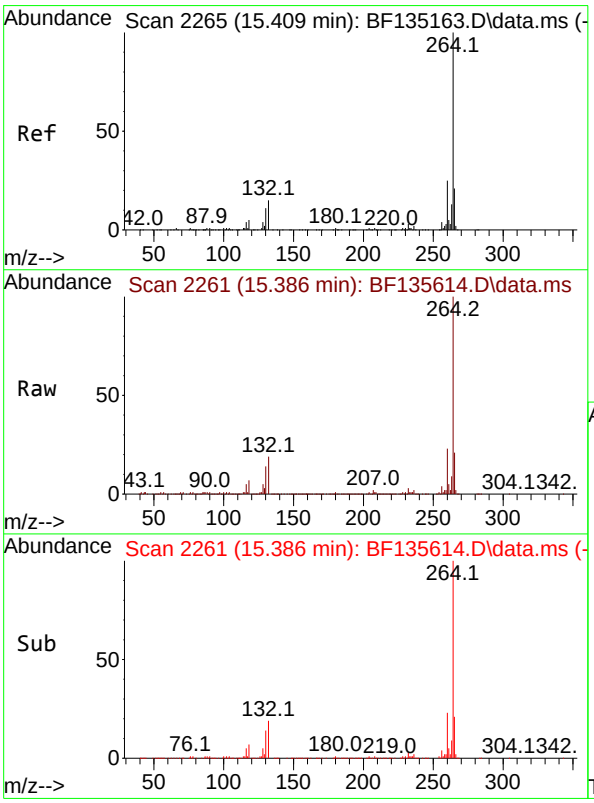
#79
Terphenyl-d14
Concen: 4.725 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Tgt Ion:244 Resp: 73269

Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.1	7.7#
122	12.7	7.9	11.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.386 min Scan# 2261
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:264 Resp: 251723

Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.8	29.6
265	21.3	17.0	25.4