Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110323\
Data File : BF136134.D
Acq On : 03 Nov 2023 20:11
Operator : CG\JU
Sample : 05214-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Quant Time: Nov 04 00:12:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	82176	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	304330	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	146161	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	231547	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	180282	20.000	ng	-0.01
86) Perylene-d12	15.492	264	216541	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	396112	75.746	ng	0.00
7) Phenol-d6	6.445	99	482323	74.026	ng	-0.01
23) Nitrobenzene-d5	7.375	82	297211	58.872	ng	-0.02
42) 2,4,6-Tribromophenol	10.645	330	116189	74.476	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	533944	58.234	ng	-0.01
79) Terphenyl-d14	12.945	244	489087	42.159	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.563	202	59534	4.971	ng	97
78) Pyrene	12.792	202	45307	2.850	ng	96
83) Chrysene	14.027	228	25751	2.191	ng	99
88) Benzo(b)fluoranthene	15.051	252	27129m	2.117	ng	
92) Benzo(g,h,i)perylene	17.439	276	6549	3.361	ng	96

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
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QLast Update : Tue Oct 31 01:13:02 2023
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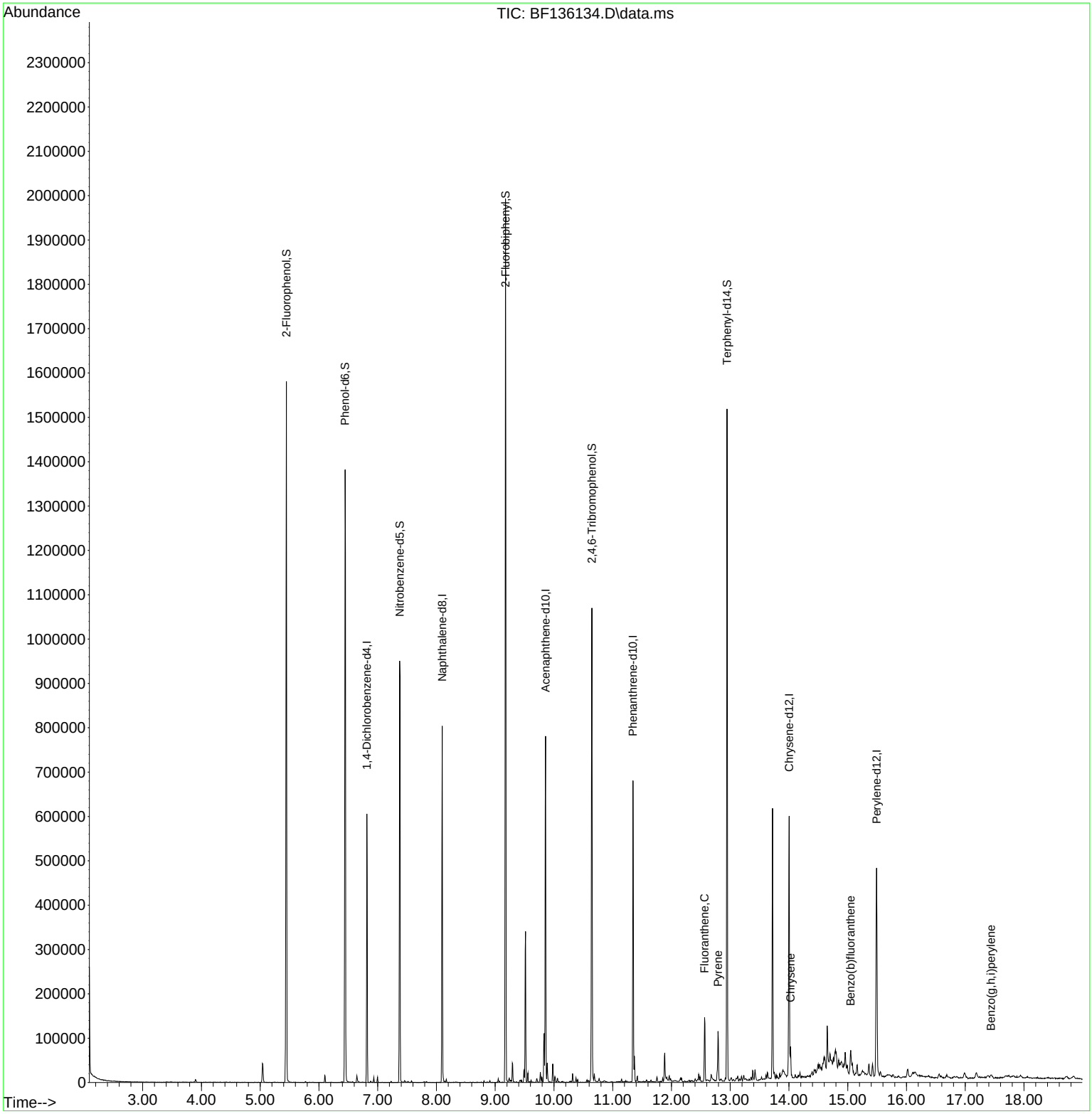
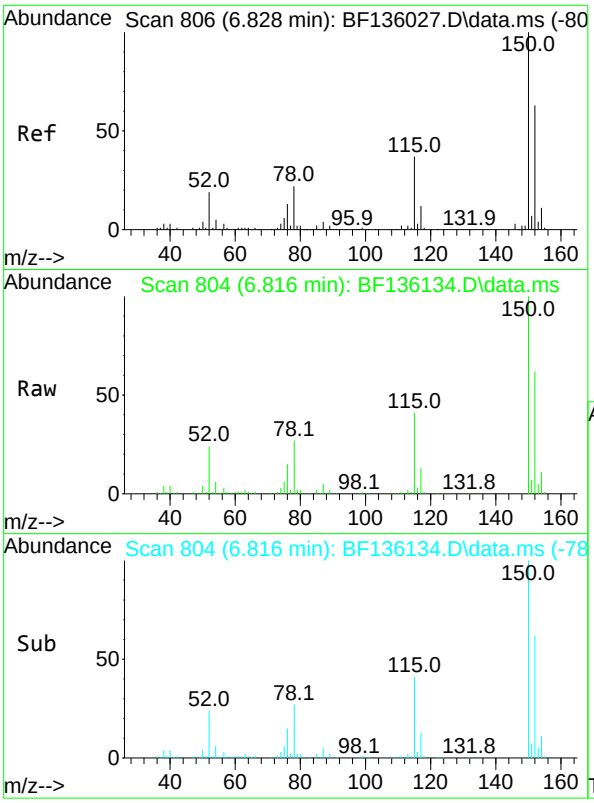


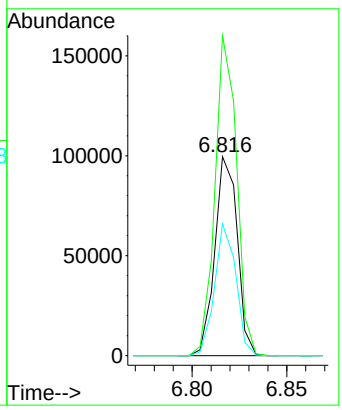


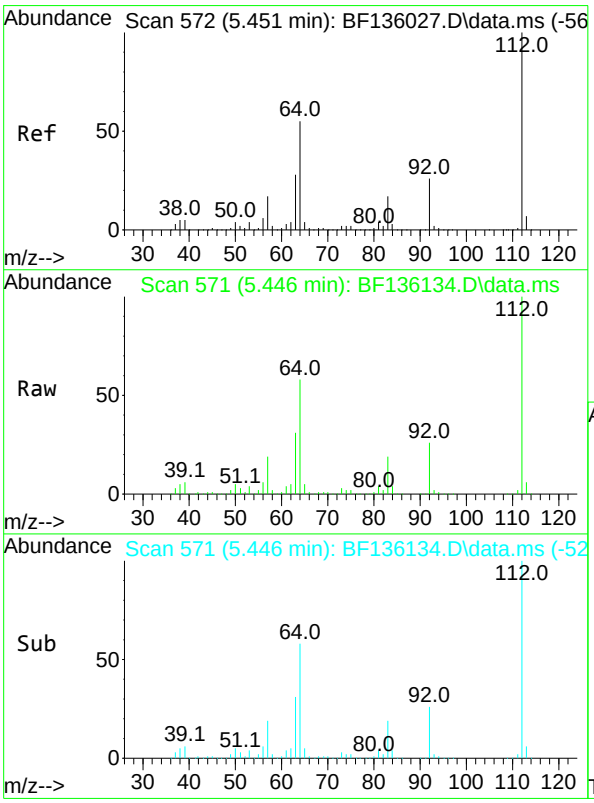
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tgt Ion:152 Resp: 82176

Ion	Ratio	Lower	Upper
152	100		
150	160.8	126.4	189.6
115	66.3	47.0	70.4

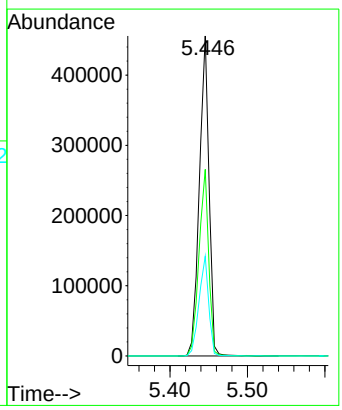


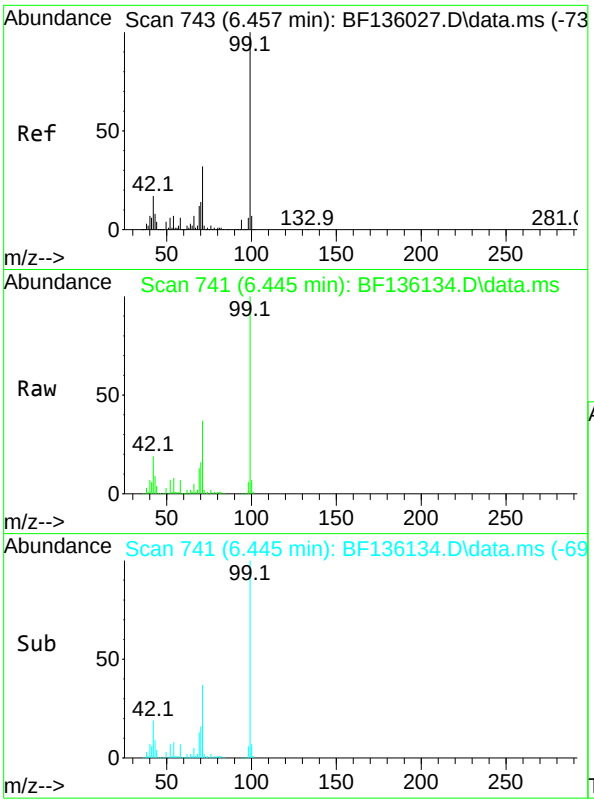


#5
2-Fluorophenol
Concen: 75.746 ng
RT: 5.446 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion:112 Resp: 396112

Ion	Ratio	Lower	Upper
112	100		
64	58.3	43.9	65.9
63	31.2	22.4	33.6



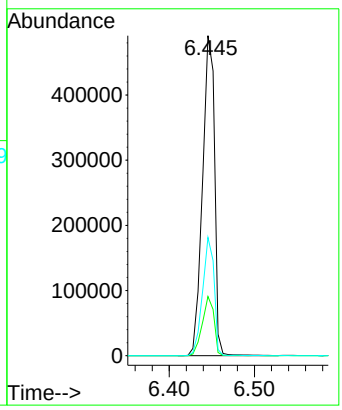


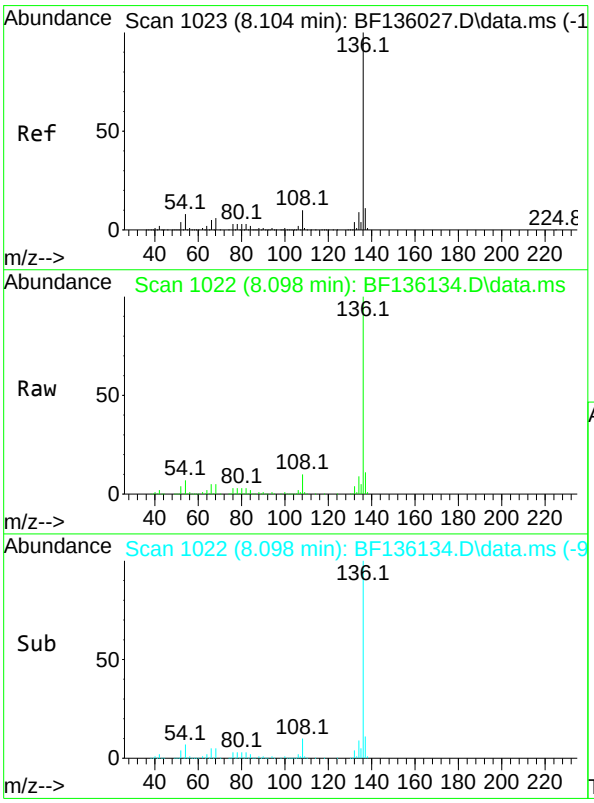
#7
Phenol-d6
Concen: 74.026 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tgt Ion: 99 Resp: 482323

Ion	Ratio	Lower	Upper
99	100		
42	18.5	13.7	20.5
71	37.0	25.9	38.9

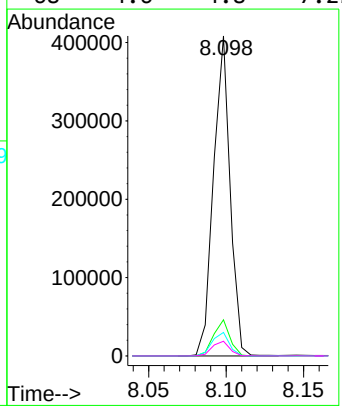


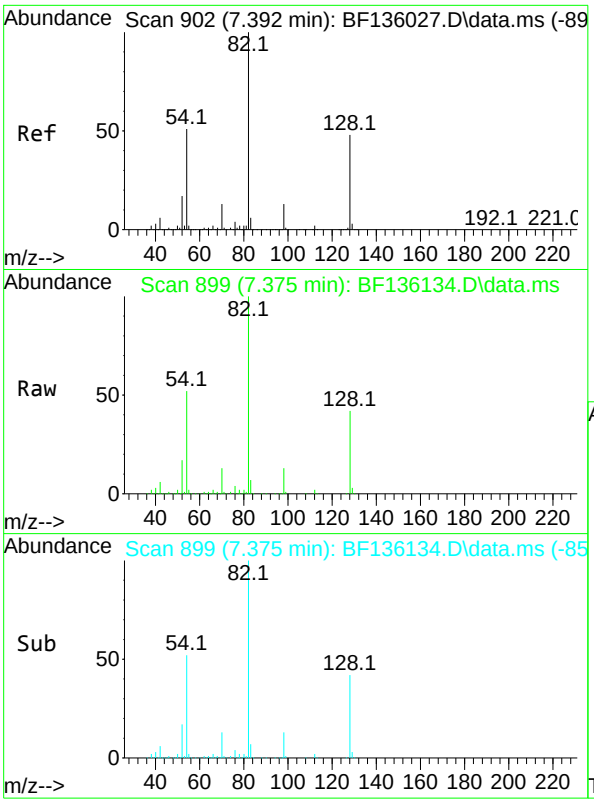


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion:136 Resp: 304330

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	7.3	6.6	9.8
68	4.6	4.8	7.2#



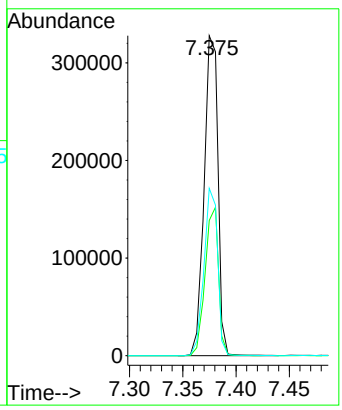


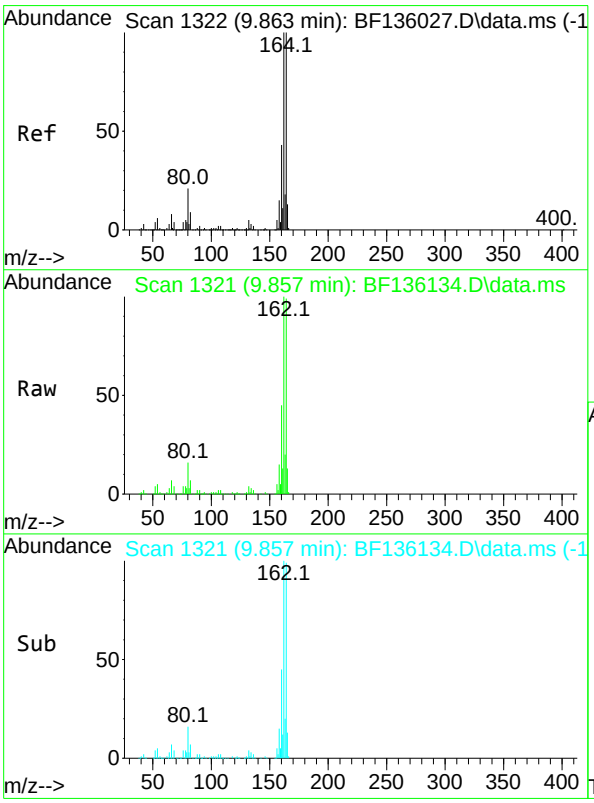
#23
Nitrobenzene-d5
Concen: 58.872 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tgt Ion: 82 Resp: 297211

Ion	Ratio	Lower	Upper
82	100		
128	42.2	38.6	57.8
54	52.3	40.8	61.2

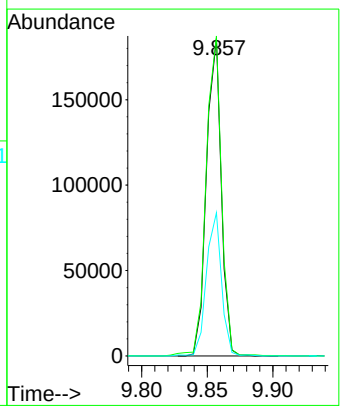


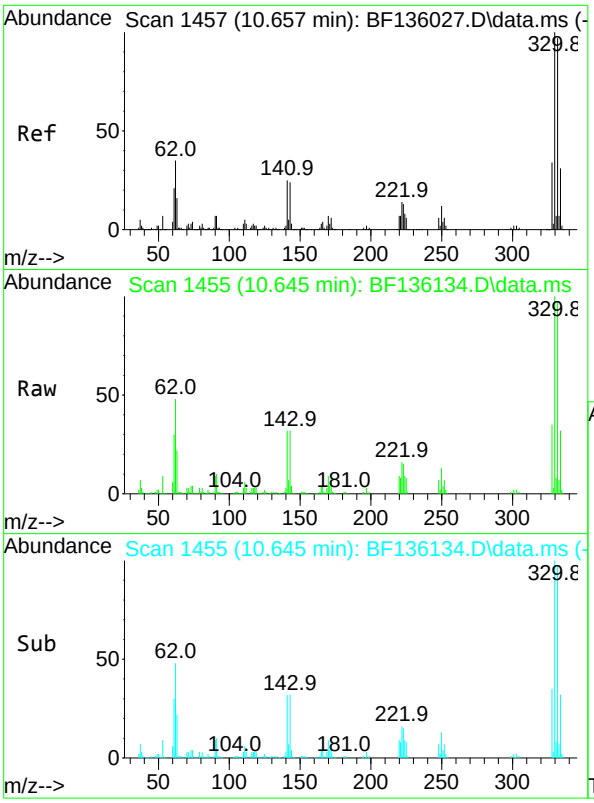


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion:164 Resp: 146161

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.1	120.1
160	45.1	34.8	52.2



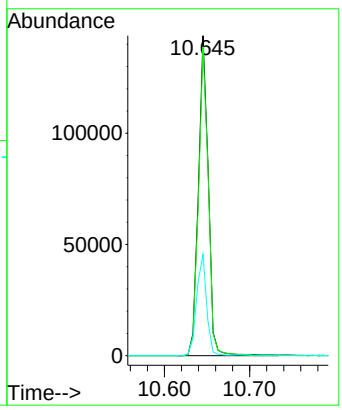


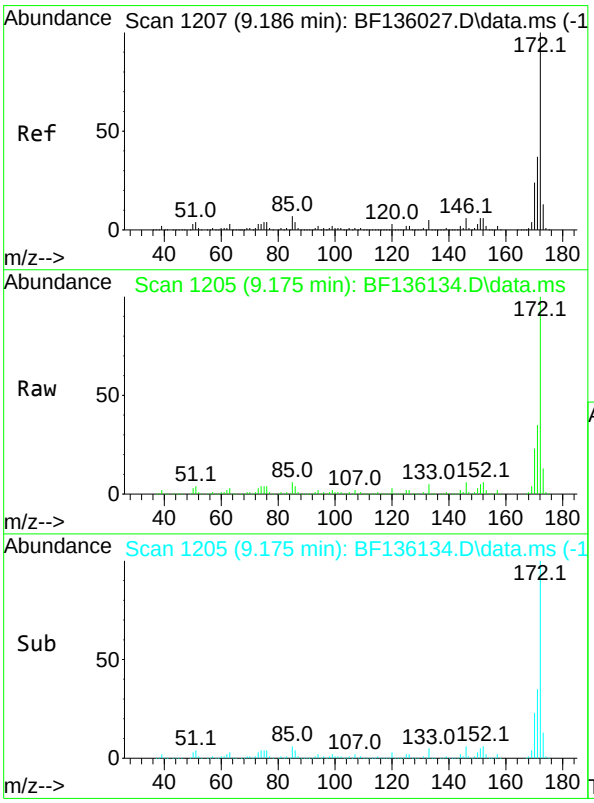
#42
2,4,6-Tribromophenol
Concen: 74.476 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tgt Ion:330 Resp: 116189

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.9	115.3
141	32.0	23.2	34.8

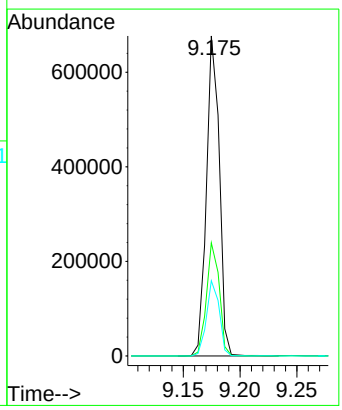


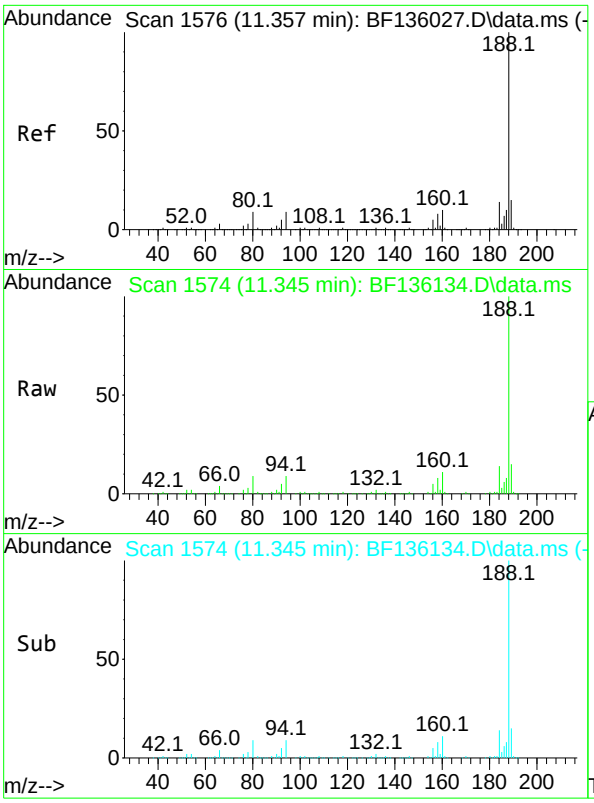


#45
2-Fluorobiphenyl
Concen: 58.234 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion:172 Resp: 533944

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.4	44.0
170	23.5	19.3	28.9



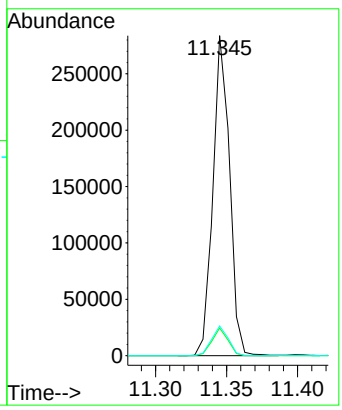


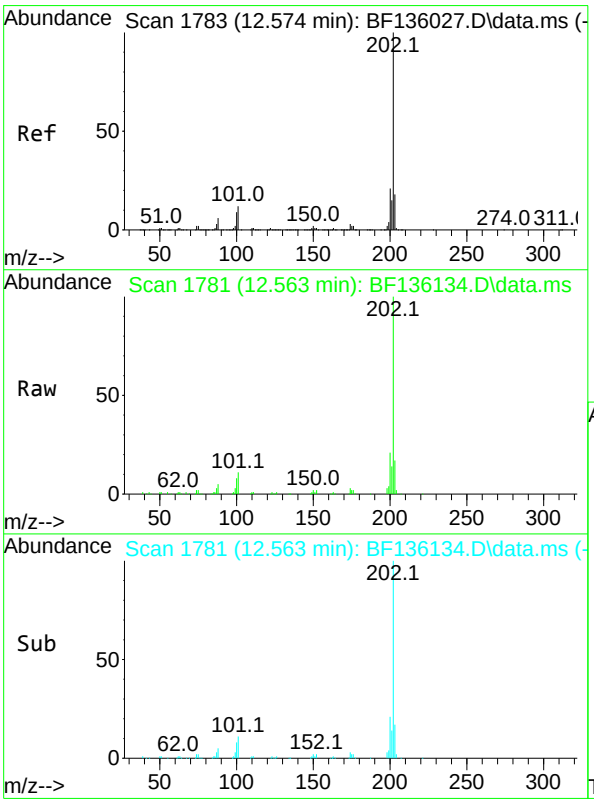
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tgt Ion:188 Resp: 231547

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.2	10.8
80	9.3	7.4	11.0

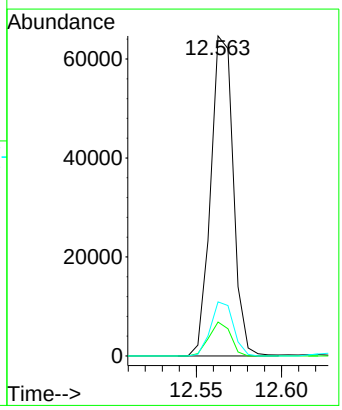


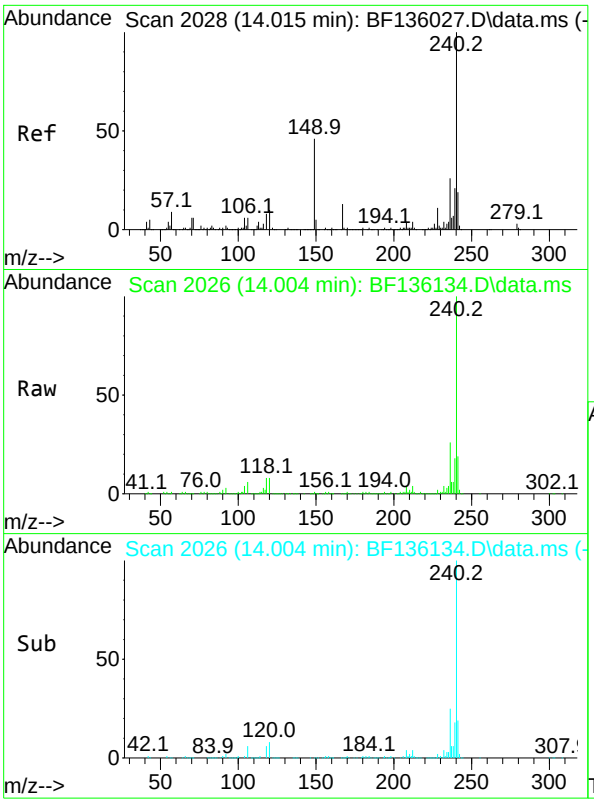


#75
Fluoranthene
Concen: 4.971 ng
RT: 12.563 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion:202 Resp: 59534

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.8
203	16.9	0.0	37.9



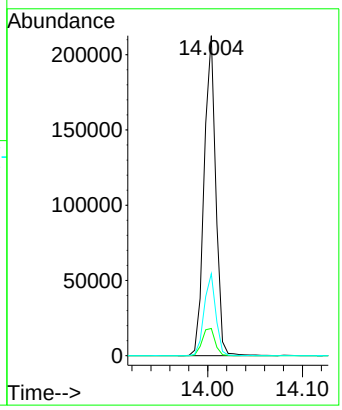


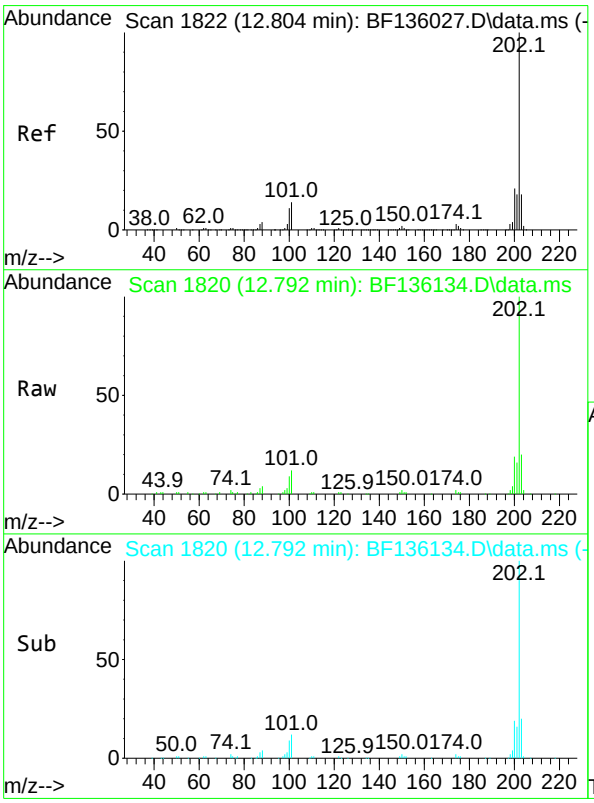
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tgt Ion:240 Resp: 180282

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.6	11.4
236	25.6	20.6	31.0

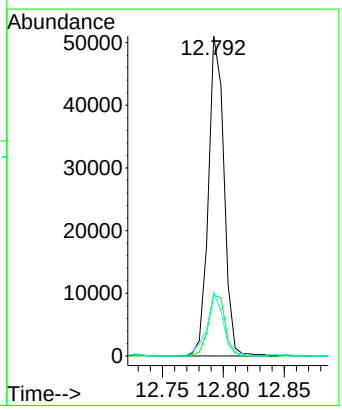


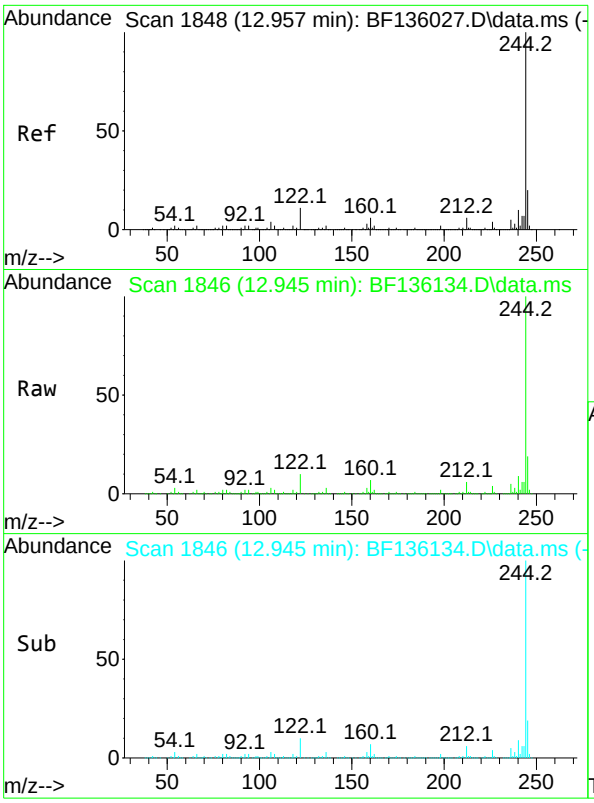


#78
Pyrene
Concen: 2.850 ng
RT: 12.792 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion:202 Resp: 45307

Ion	Ratio	Lower	Upper
202	100		
200	19.0	17.0	25.4
203	19.8	14.4	21.6



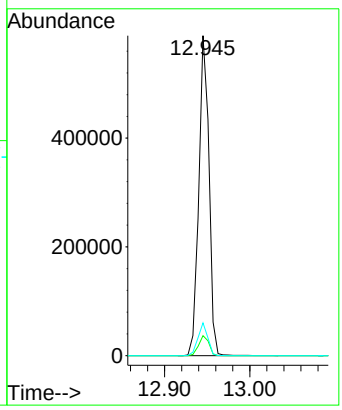


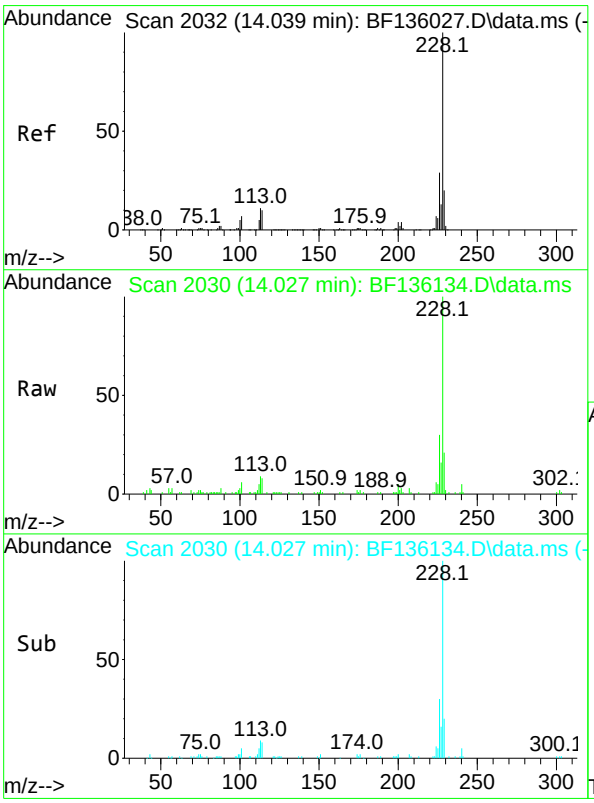
#79
Terphenyl-d14
Concen: 42.159 ng
RT: 12.945 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tgt Ion:244 Resp: 489087

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.1	7.7
122	10.3	8.6	12.8

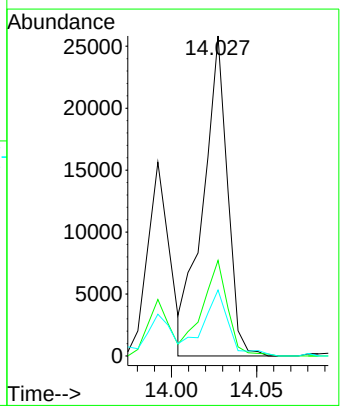


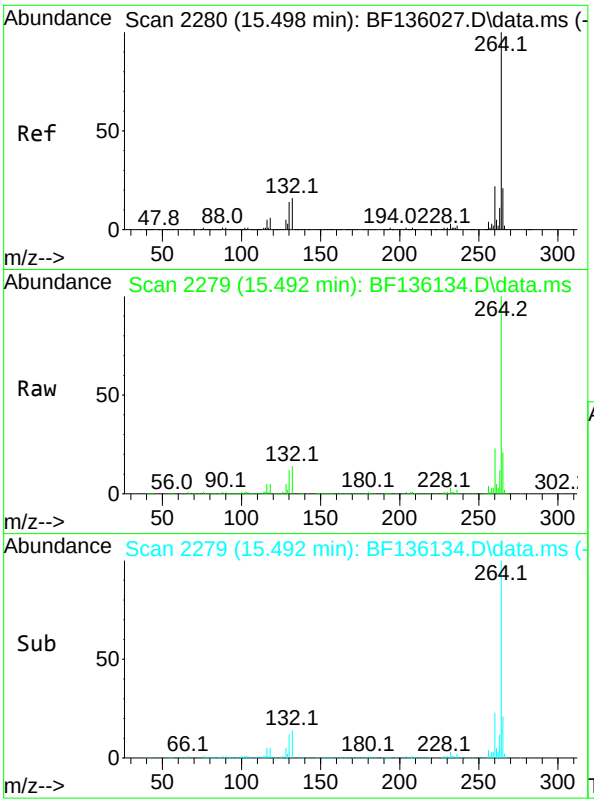


#83
Chrysene
Concen: 2.191 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion:228 Resp: 25751

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.5	35.3
229	20.6	16.0	24.0



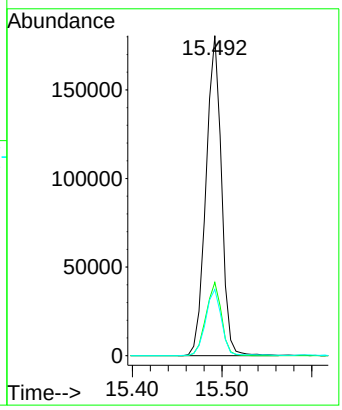


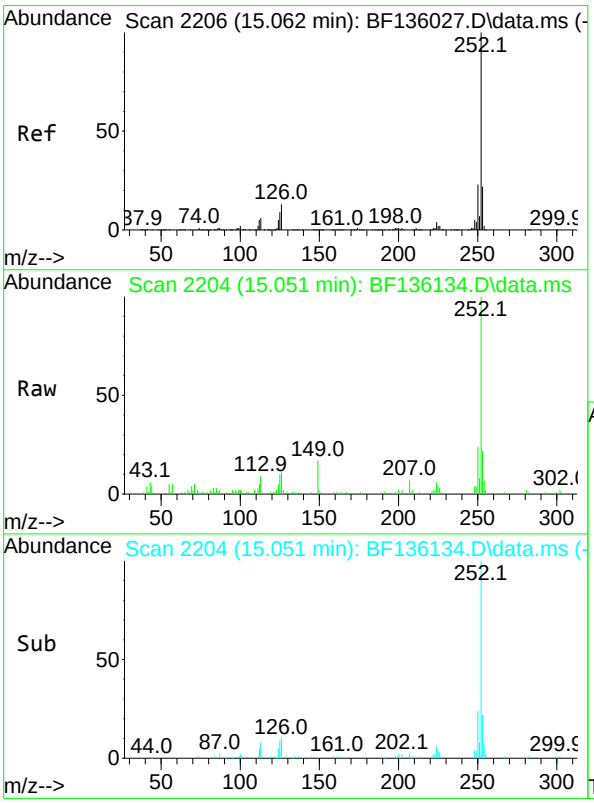
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tgt Ion:264 Resp: 216541

Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.9	26.9
265	20.7	16.8	25.2

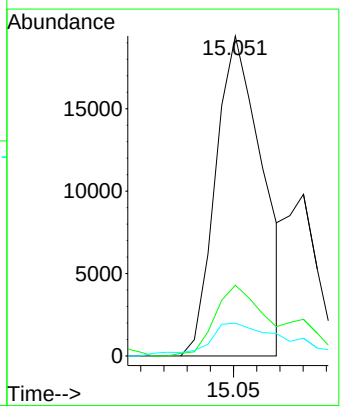


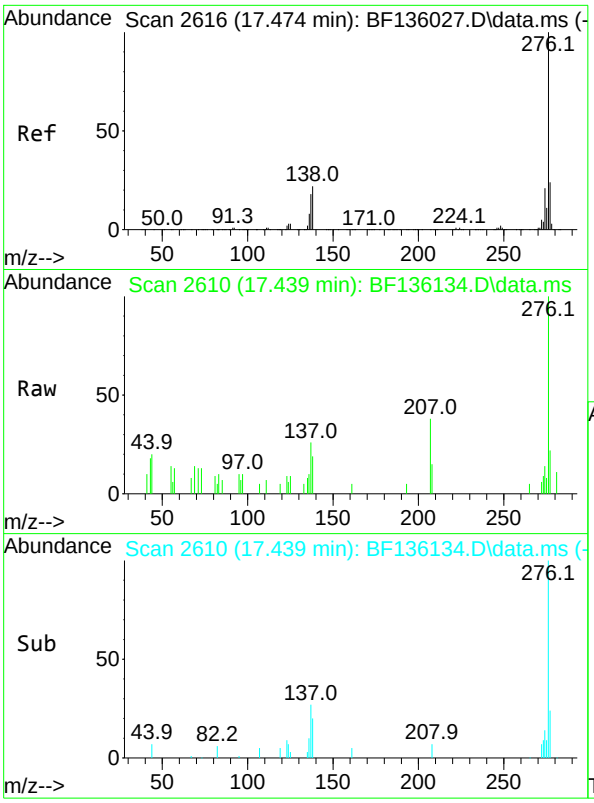


#88
Benzo(b)fluoranthene
Concen: 2.117 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion:252 Resp: 27129

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.2	7.5	11.3





#92
Benzo(g,h,i)perylene
Concen: 3.361 ng
RT: 17.439 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tgt Ion:276 Resp: 6549

Ion	Ratio	Lower	Upper
276	100		
277	22.5	19.0	28.4
138	18.9	17.4	26.2