Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012022\
Data File : BF126622.D
Acq On : 20 Jan 2022 20:19
Operator : CG/JU
Sample : N1189-21
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-11

Quant Time: Jan 21 04:15:18 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 19 07:04:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	112483	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	433847	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	242629	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	427489	20.000	ng	0.00
76) Chrysene-d12	14.145	240	293681	20.000	ng	# 0.00
86) Perylene-d12	15.668	264	224724	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	733180	85.772	ng	0.00
7) Phenol-d6	6.575	99	990021	83.360	ng	0.00
23) Nitrobenzene-d5	7.522	82	717837	64.762	ng	-0.01
42) 2,4,6-Tribromophenol	10.792	330	208512	91.830	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	845130	53.345	ng	0.00
79) Terphenyl-d14	13.086	244	948944	54.196	ng	0.00
Target Compounds						Qvalue

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

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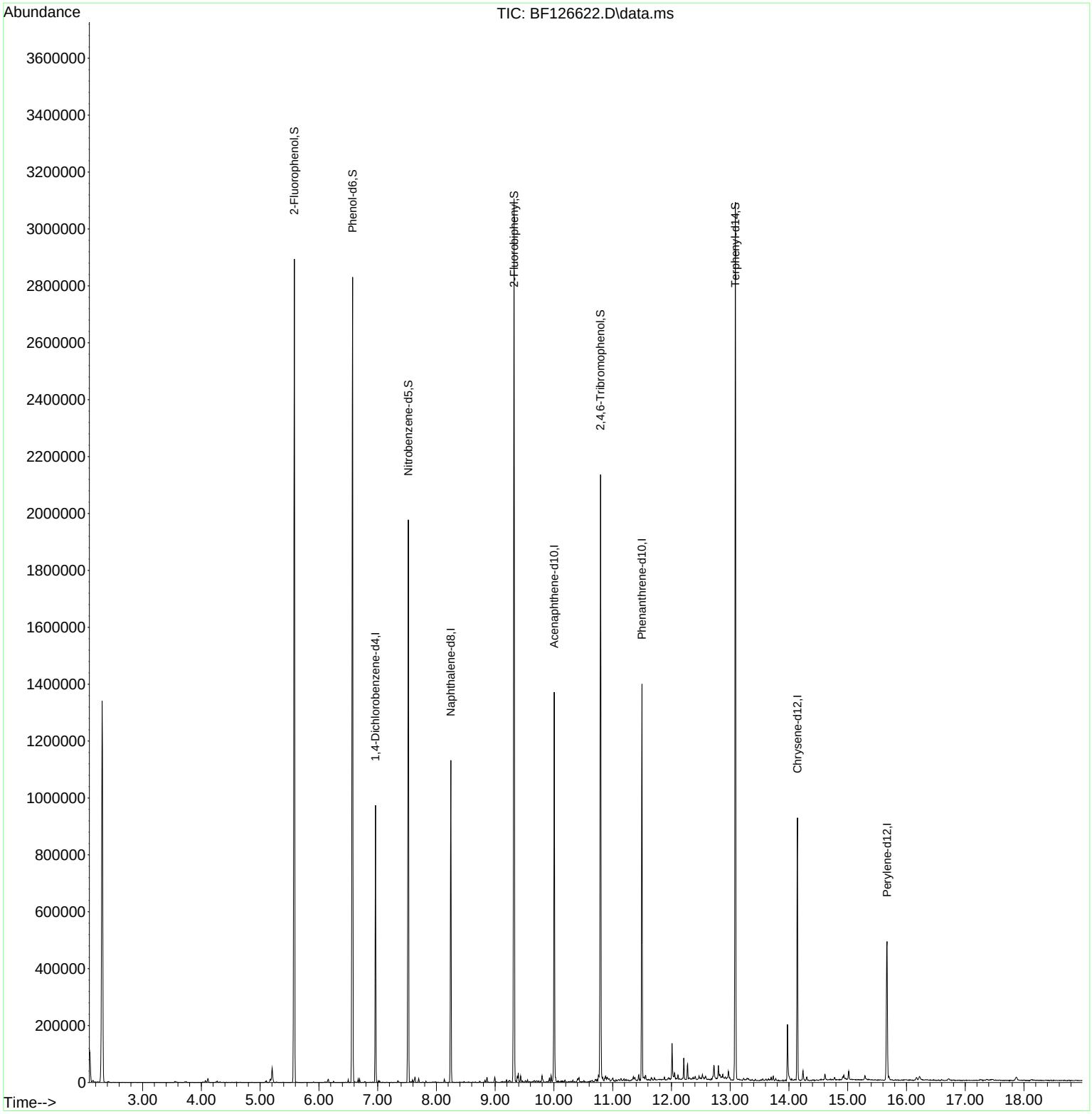
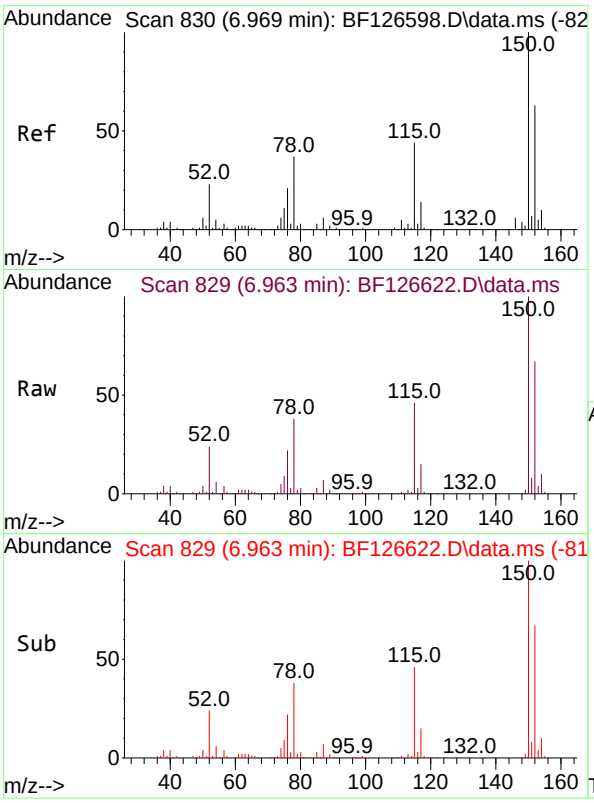


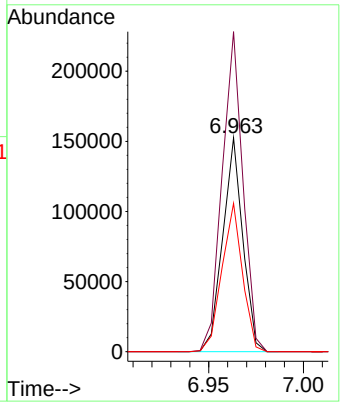


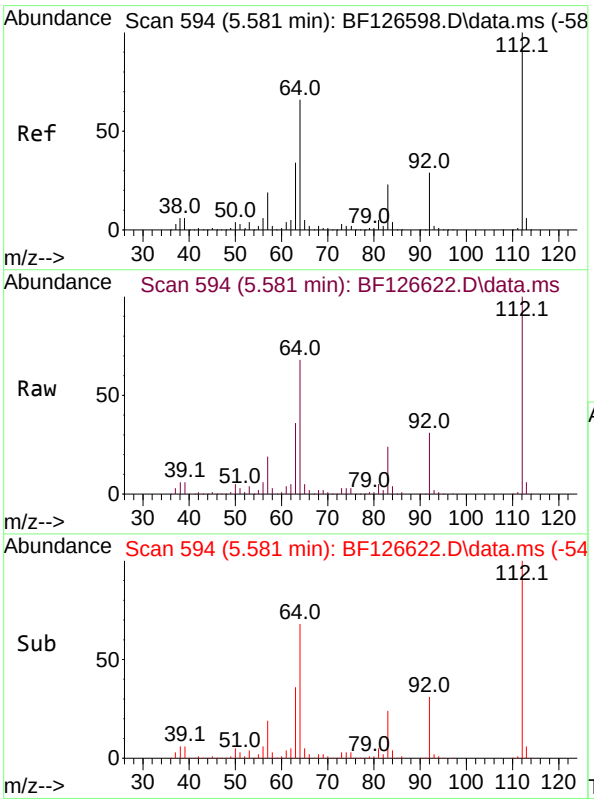
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF126622.D
Acq: 20 Jan 2022 20:19

Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-11

Tgt Ion:152 Resp: 112483

Ion	Ratio	Lower	Upper
152	100		
150	149.6	128.1	192.1
115	69.3	56.7	85.1

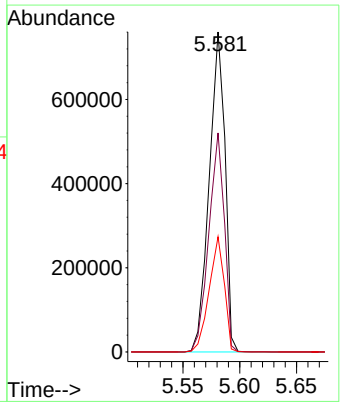


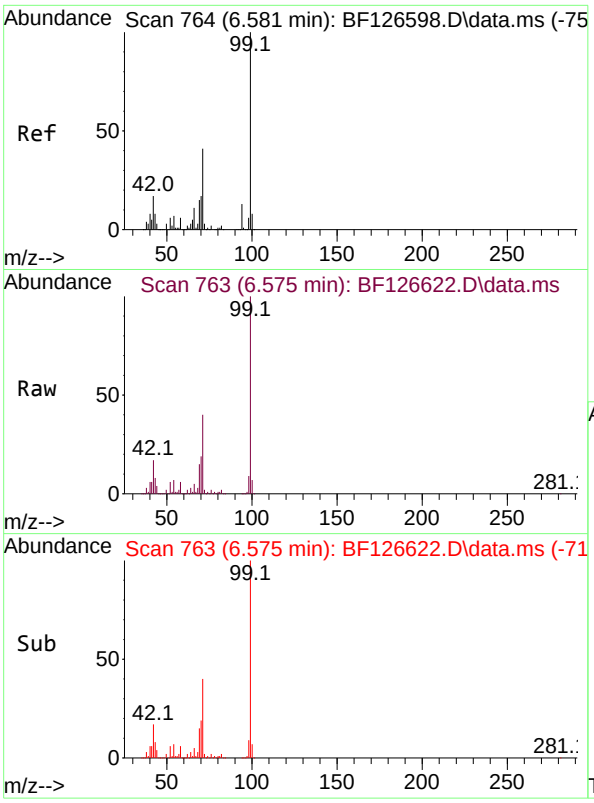


#5
2-Fluorophenol
Concen: 85.772 ng
RT: 5.581 min Scan# 594
Delta R.T. 0.000 min
Lab File: BF126622.D
Acq: 20 Jan 2022 20:19

Tgt Ion:112 Resp: 733180

Ion	Ratio	Lower	Upper
112	100		
64	68.4	49.5	74.3
63	36.0	23.9	35.9#



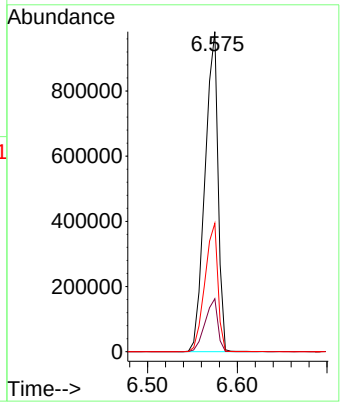


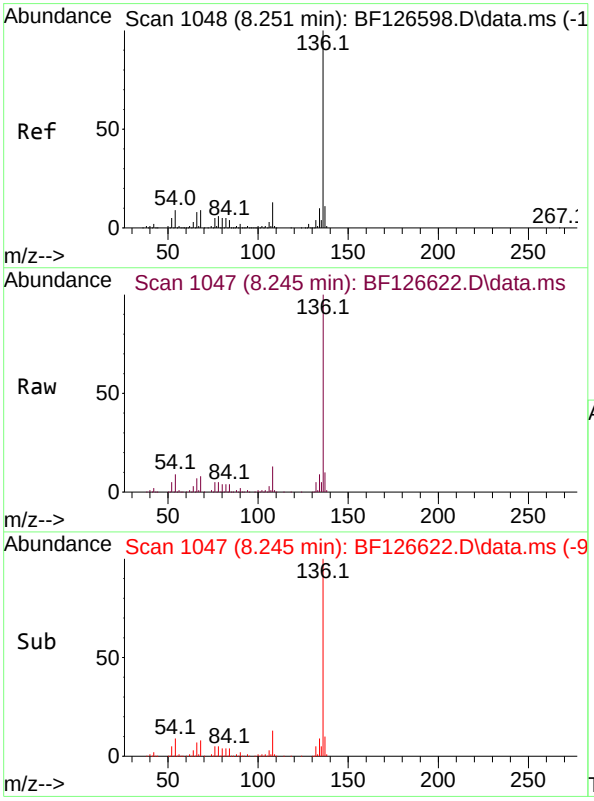
#7
Phenol-d6
Concen: 83.360 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF126622.D
Acq: 20 Jan 2022 20:19

Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-11

Tgt Ion: 99 Resp: 990021

Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.2	21.4
71	40.1	24.3	36.5#

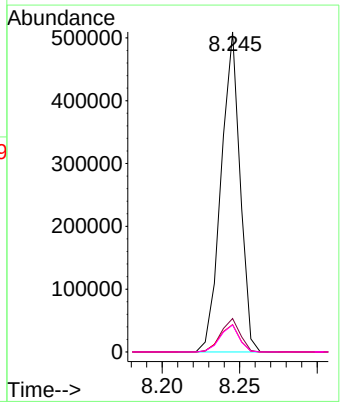


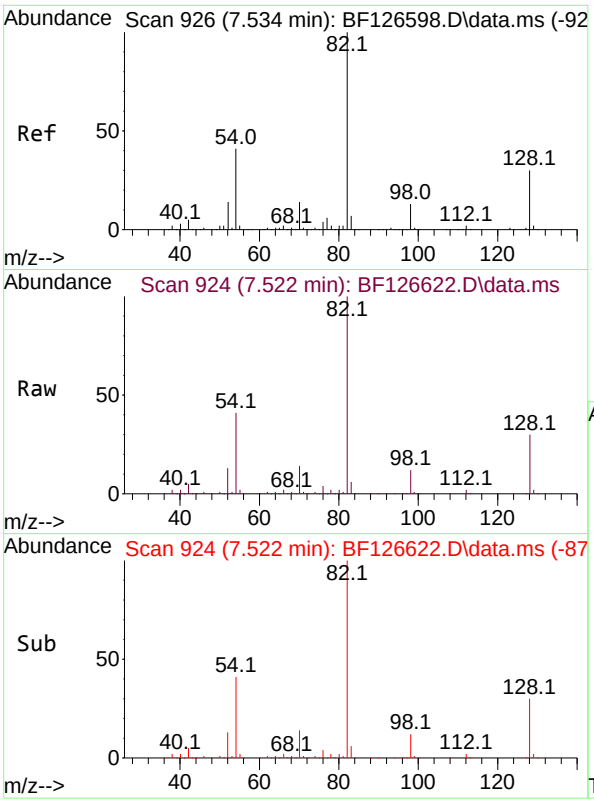


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF126622.D
Acq: 20 Jan 2022 20:19

Tgt Ion:136 Resp: 433847

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	8.5	7.8	11.6
68	8.4	6.3	9.5



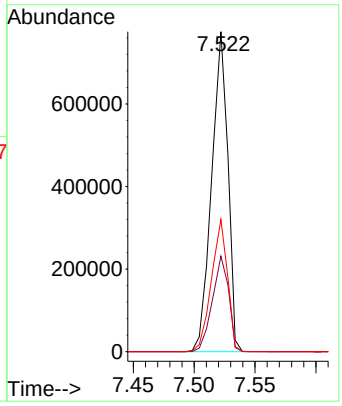


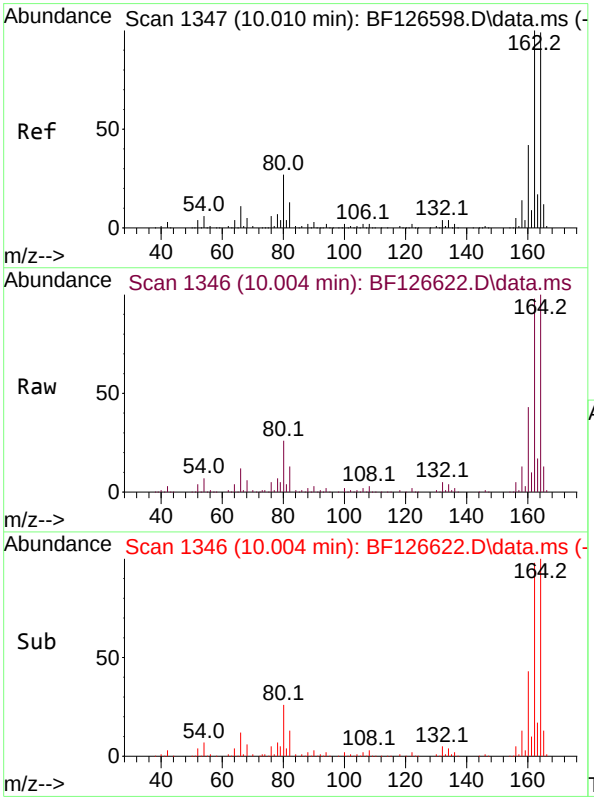
#23
Nitrobenzene-d5
Concen: 64.762 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF126622.D
Acq: 20 Jan 2022 20:19

Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-11

Tgt Ion: 82 Resp: 717837

Ion	Ratio	Lower	Upper
82	100		
128	29.9	32.7	49.1#
54	41.3	41.7	62.5#

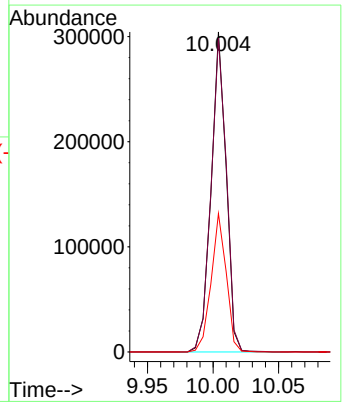


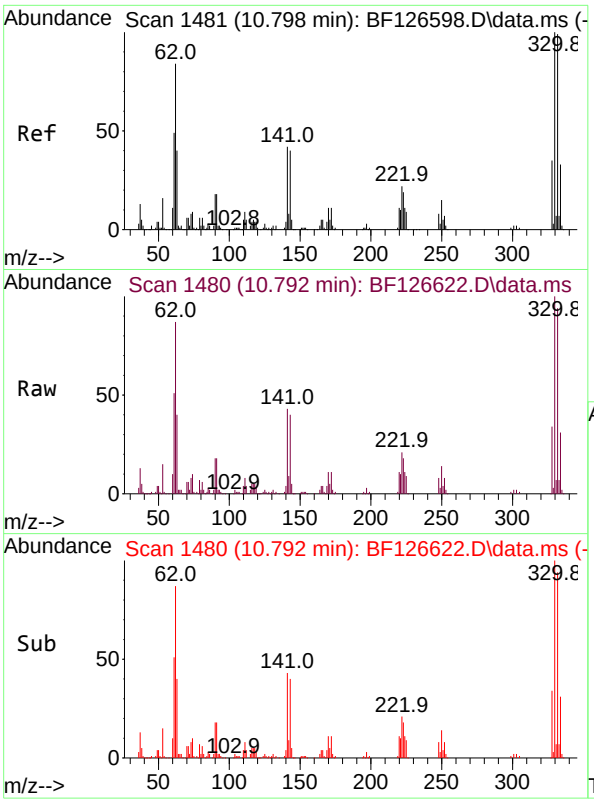


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF126622.D
Acq: 20 Jan 2022 20:19

Tgt Ion:164 Resp: 242629

Ion	Ratio	Lower	Upper
164	100		
162	98.1	81.4	122.0
160	43.3	36.6	54.8



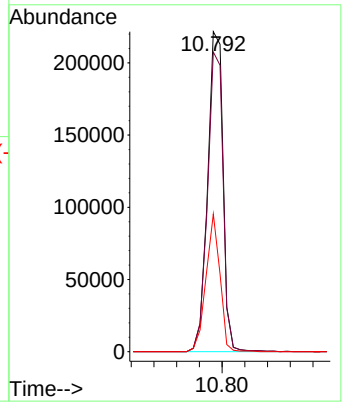


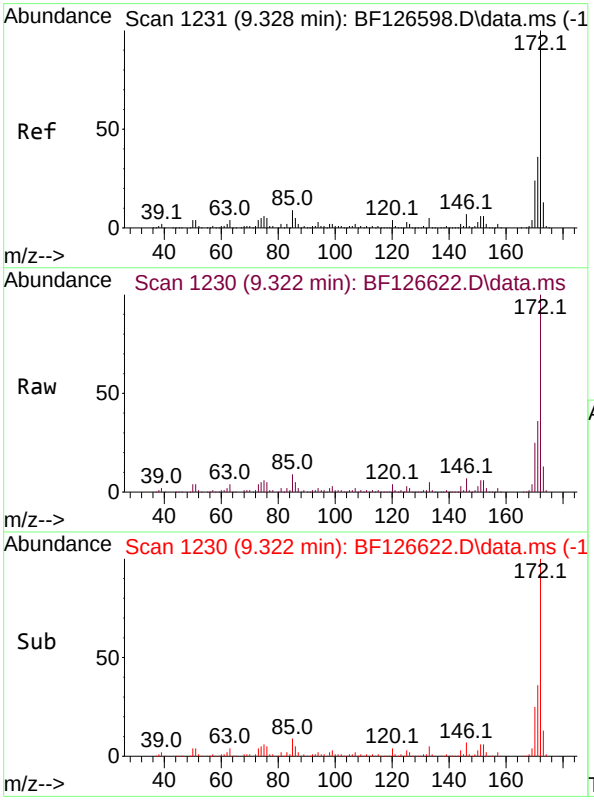
#42
2,4,6-Tribromophenol
Concen: 91.830 ng
RT: 10.792 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF126622.D
Acq: 20 Jan 2022 20:19

Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-11

Tgt Ion:330 Resp: 208512

Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.0	114.0
141	38.7	30.1	45.1

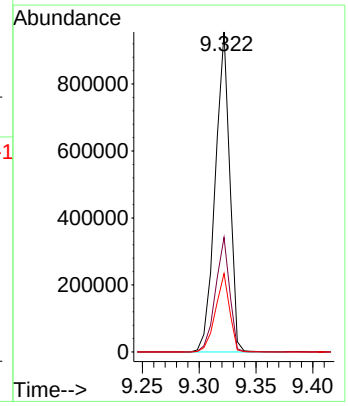


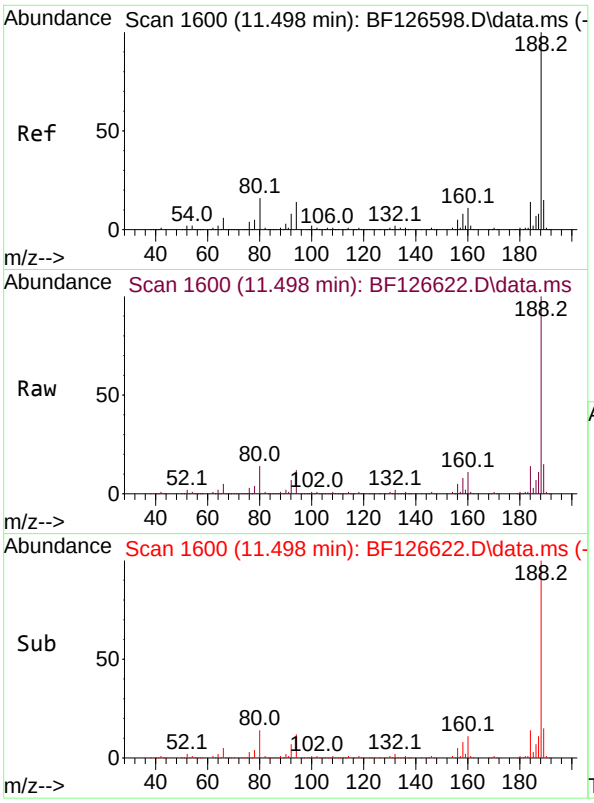


#45
2-Fluorobiphenyl
Concen: 53.345 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF126622.D
Acq: 20 Jan 2022 20:19

Tgt Ion:172 Resp: 845130

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.3	42.5
170	24.5	19.0	28.6



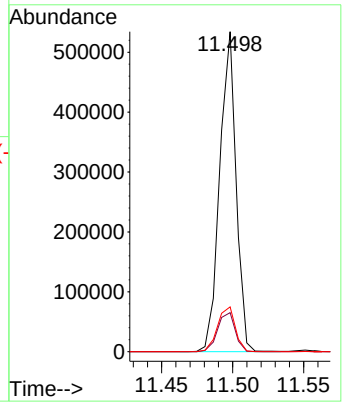


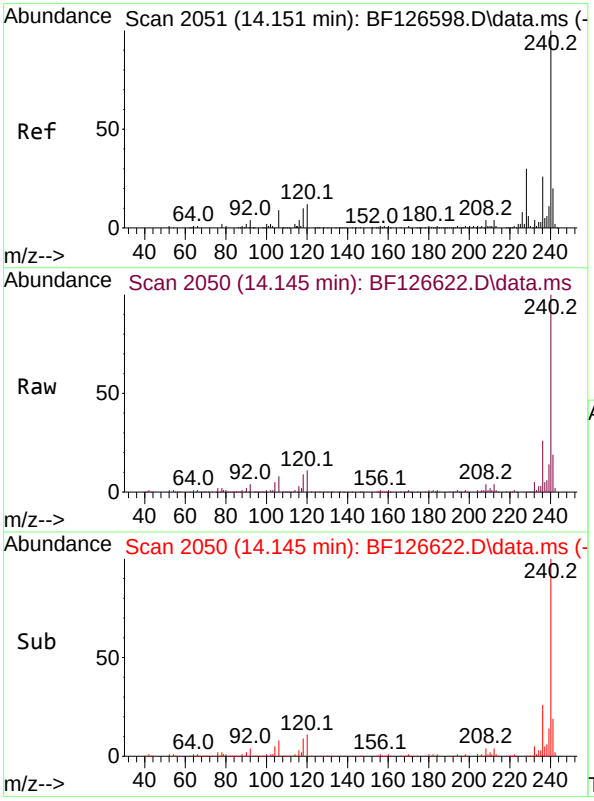
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF126622.D
Acq: 20 Jan 2022 20:19

Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-11

Tgt Ion:188 Resp: 427489

Ion	Ratio	Lower	Upper
188	100		
94	12.2	10.1	15.1
80	14.0	11.8	17.6

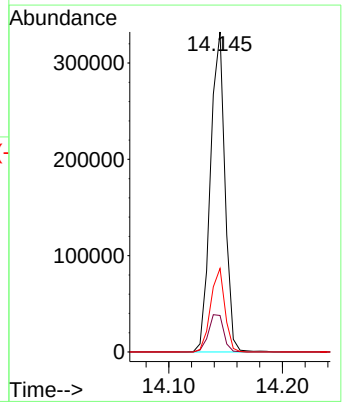


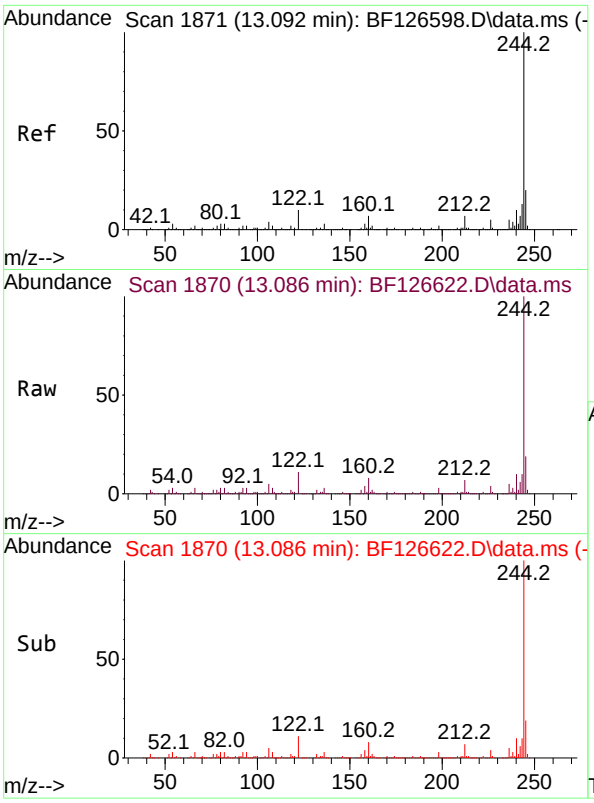


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF126622.D
Acq: 20 Jan 2022 20:19

Tgt Ion:240 Resp: 293681

Ion	Ratio	Lower	Upper
240	100		
120	11.4	14.4	21.6#
236	26.1	20.5	30.7



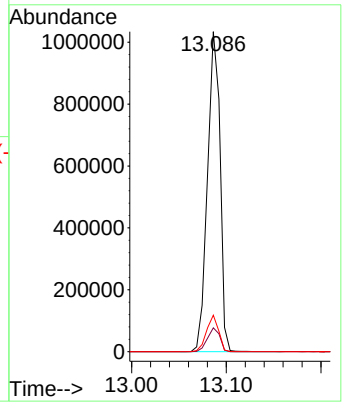


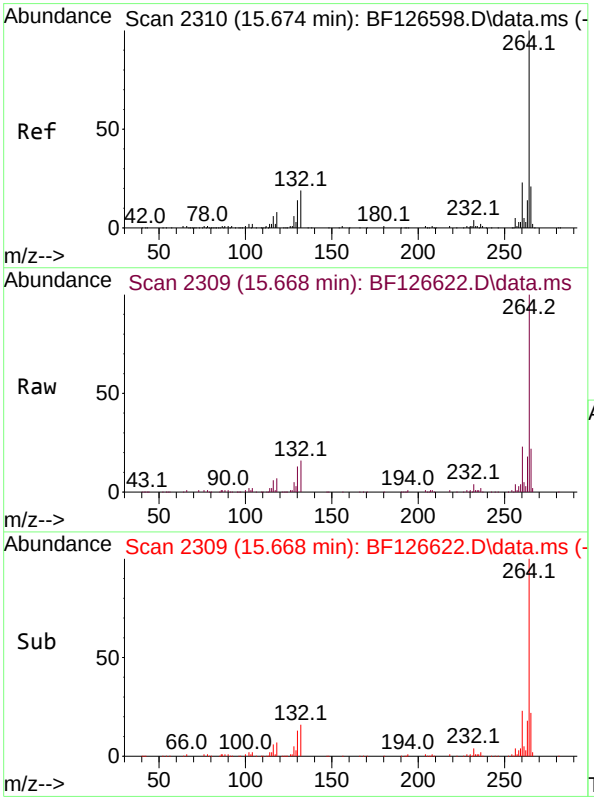
#79
Terphenyl-d14
Concen: 54.196 ng
RT: 13.086 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126622.D
Acq: 20 Jan 2022 20:19

Instrument :
BNA_F
ClientSampleId :
MTR-SOIL-11

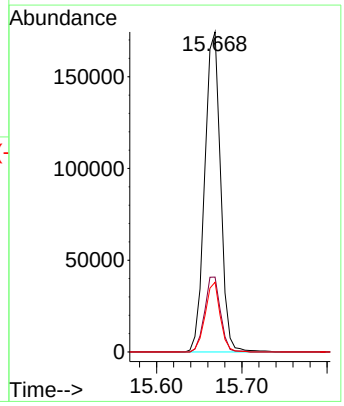
Tgt Ion:244 Resp: 948944

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.0	7.4
122	11.4	13.3	19.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.668 min Scan# 2309
Delta R.T. -0.006 min
Lab File: BF126622.D
Acq: 20 Jan 2022 20:19

Tgt Ion:264 Resp: 224724

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.8	17.4	26.2