Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141342.D
Acq On : 31 Jan 2025 20:04
Operator : RC/JU
Sample : Q1221-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHESTNUT-CONCRETE

Quant Time: Jan 31 22:31:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	151067	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	601150	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	316182	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	508197	20.000	ng	0.00
76) Chrysene-d12	13.963	240	311334	20.000	ng	-0.01
86) Perylene-d12	15.433	264	307683	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1150075	116.875	ng	0.02
7) Phenol-d6	6.440	99	1443052	115.278	ng	0.00
23) Nitrobenzene-d5	7.363	82	973322	85.353	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	371063	128.012	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1688277	82.186	ng	0.00
79) Terphenyl-d14	12.916	244	1555075	77.030	ng	0.00
Target Compounds						Qvalue

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

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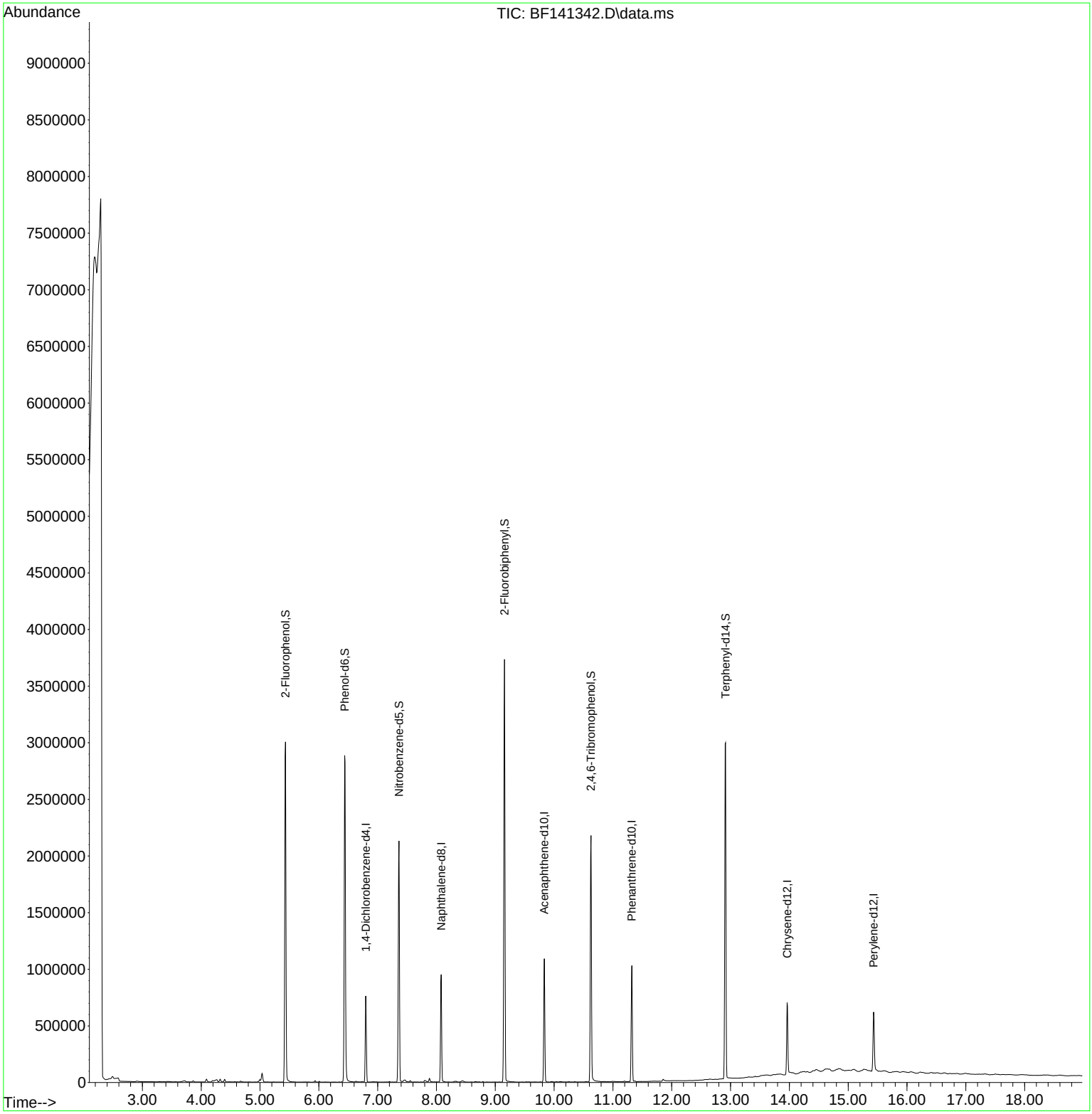
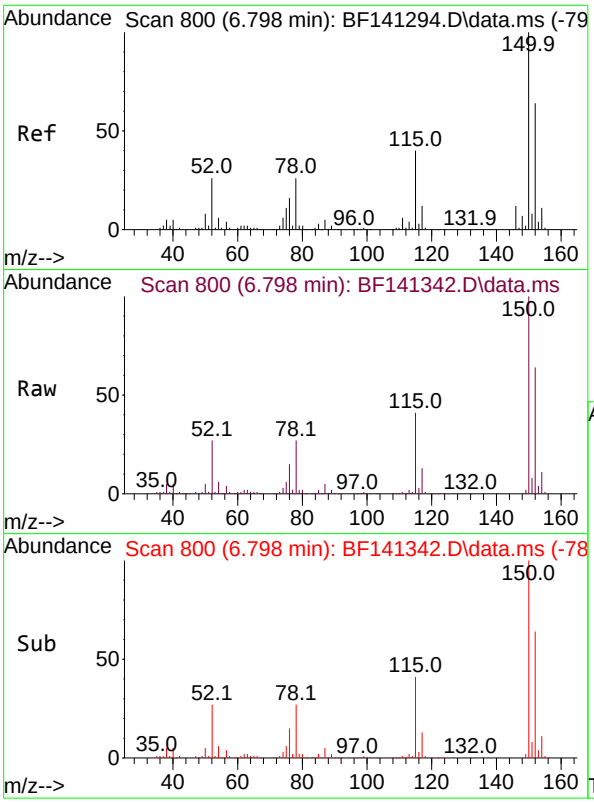


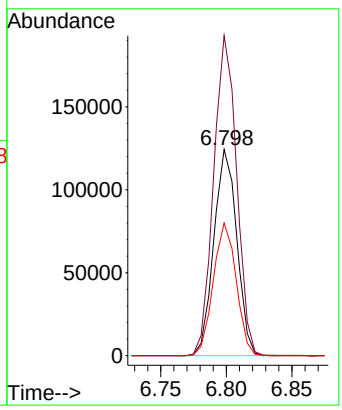


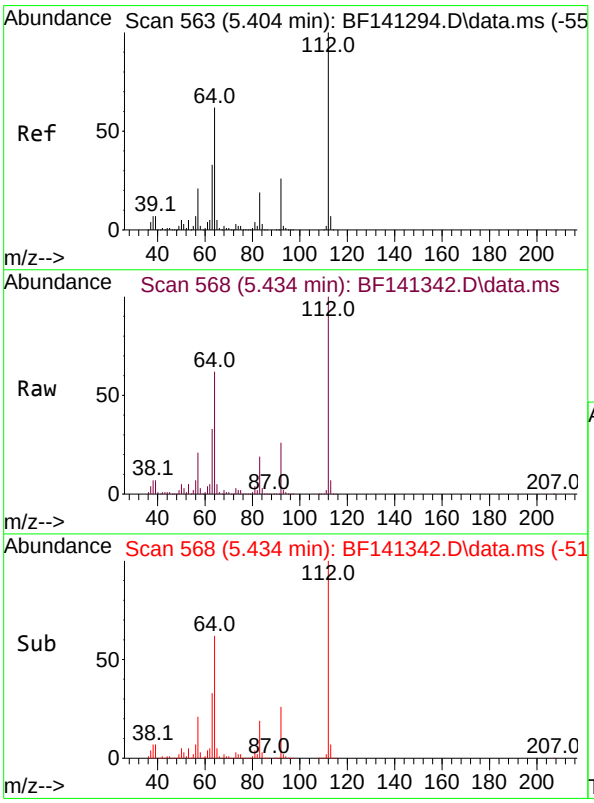
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141342.D
Acq: 31 Jan 2025 20:04

Instrument :
BNA_F
ClientSampleId :
CHESTNUT-CONCRETE

Tgt Ion:152 Resp: 151067

Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.9	188.9
115	64.3	49.7	74.5

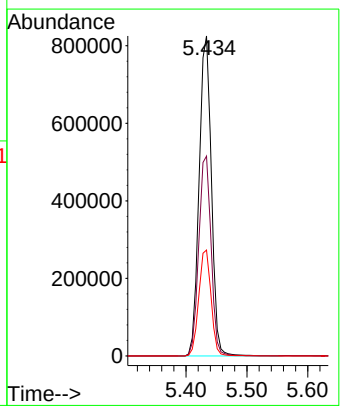


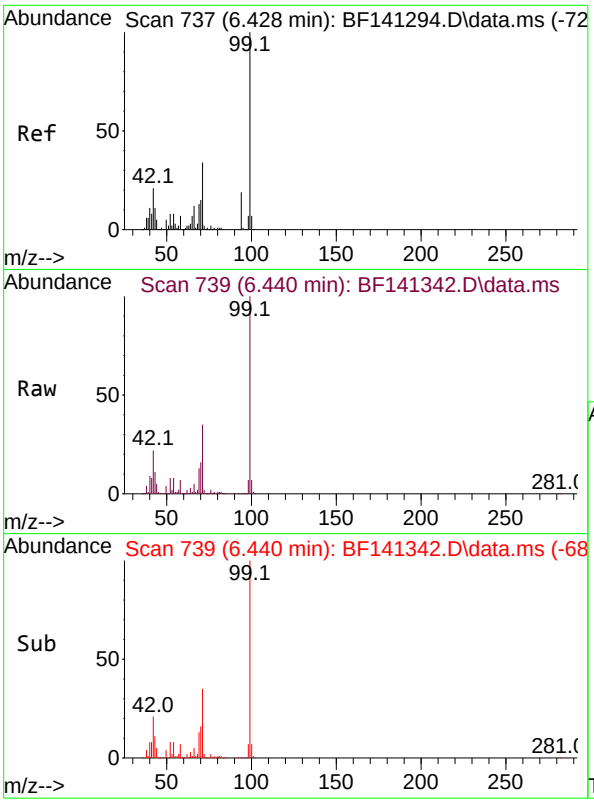


#5
2-Fluorophenol
Concen: 116.875 ng
RT: 5.434 min Scan# 568
Delta R.T. 0.023 min
Lab File: BF141342.D
Acq: 31 Jan 2025 20:04

Tgt Ion:112 Resp: 1150075

Ion	Ratio	Lower	Upper
112	100		
64	62.4	49.8	74.8
63	33.1	26.1	39.1



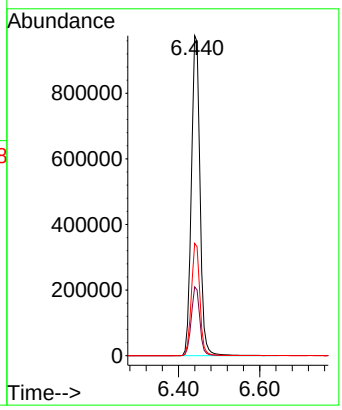


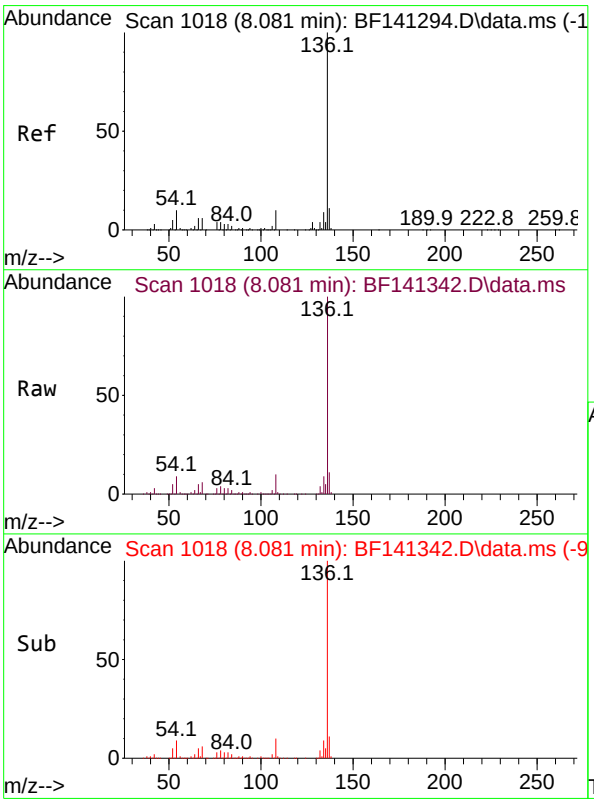
#7
Phenol-d6
Concen: 115.278 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141342.D
Acq: 31 Jan 2025 20:04

Instrument :
BNA_F
ClientSampleId :
CHESTNUT-CONCRETE

Tgt Ion: 99 Resp: 1443052

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.1	25.7
71	35.1	26.9	40.3

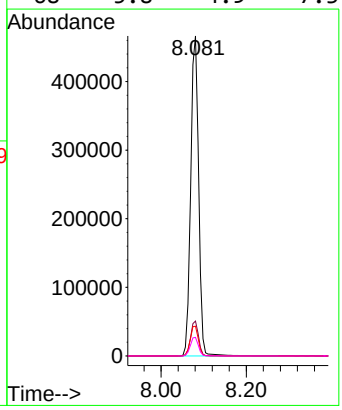


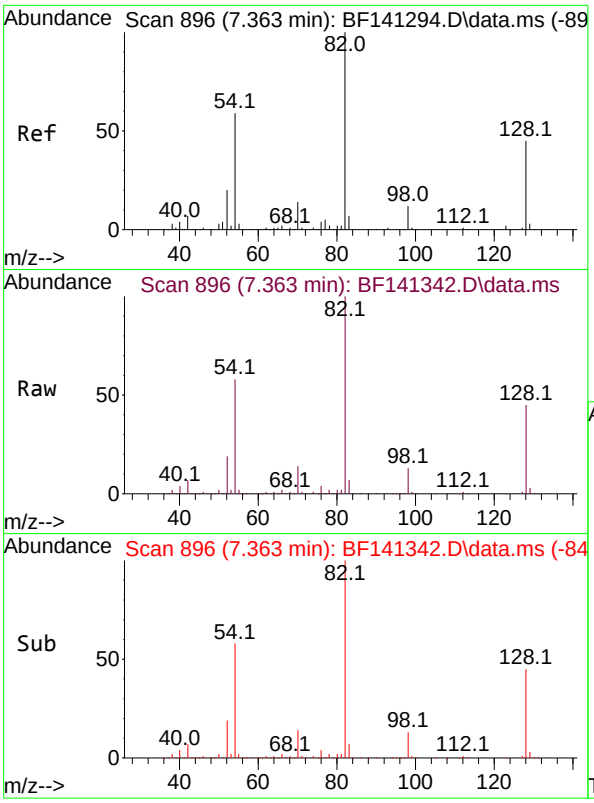


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141342.D
Acq: 31 Jan 2025 20:04

Tgt Ion:136 Resp: 601150

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.3	7.8	11.8
68	5.8	4.9	7.3



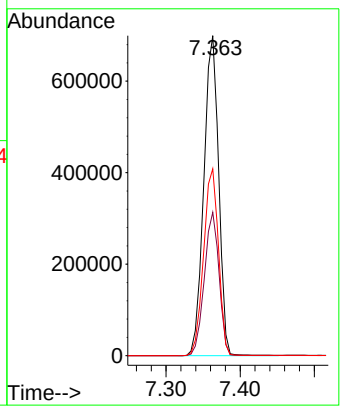


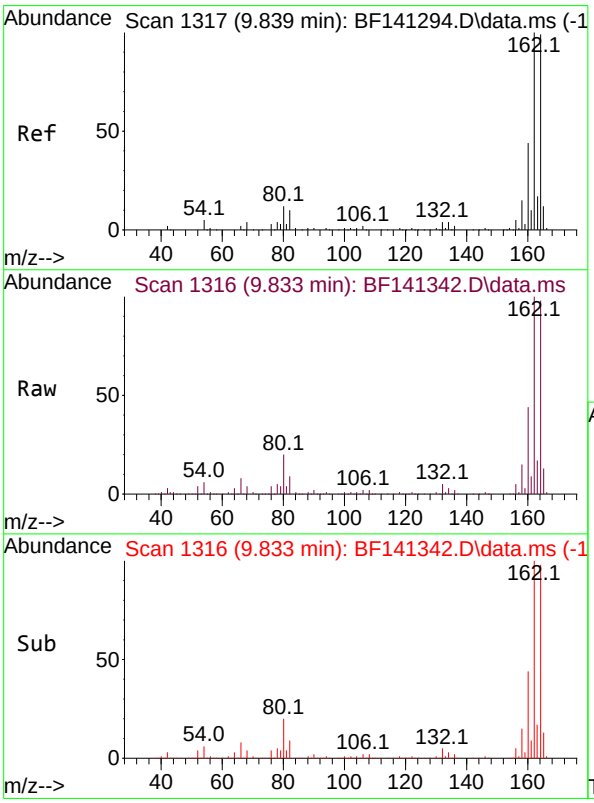
#23
Nitrobenzene-d5
Concen: 85.353 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141342.D
Acq: 31 Jan 2025 20:04

Instrument :
BNA_F
ClientSampleId :
CHESTNUT-CONCRETE

Tgt Ion: 82 Resp: 973322

Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.7	53.5
54	58.4	47.1	70.7

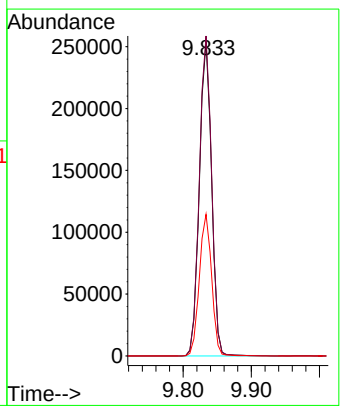


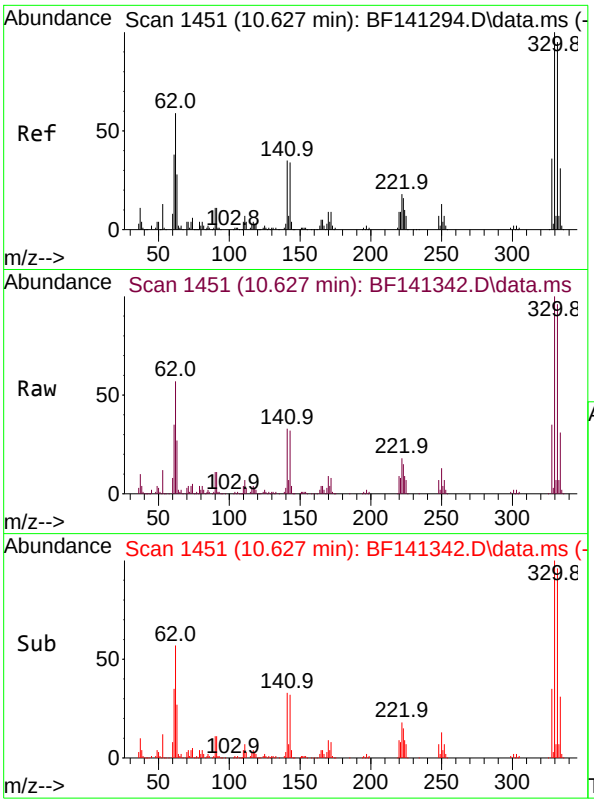


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141342.D
Acq: 31 Jan 2025 20:04

Tgt Ion:164 Resp: 316182

Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.6	121.0
160	45.1	35.8	53.6



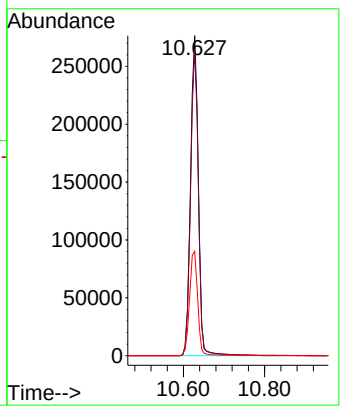


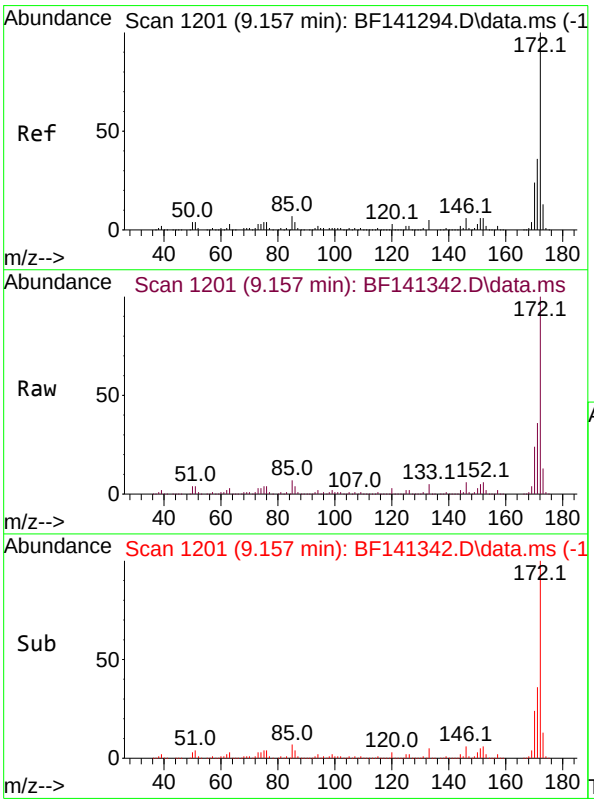
#42
2,4,6-Tribromophenol
Concen: 128.012 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141342.D
Acq: 31 Jan 2025 20:04

Instrument :
BNA_F
ClientSampleId :
CHESTNUT-CONCRETE

Tgt Ion:330 Resp: 371063

Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.1	114.1
141	34.1	28.8	43.2

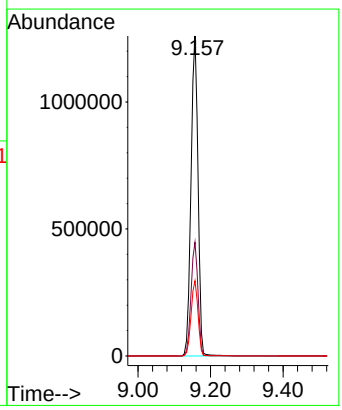


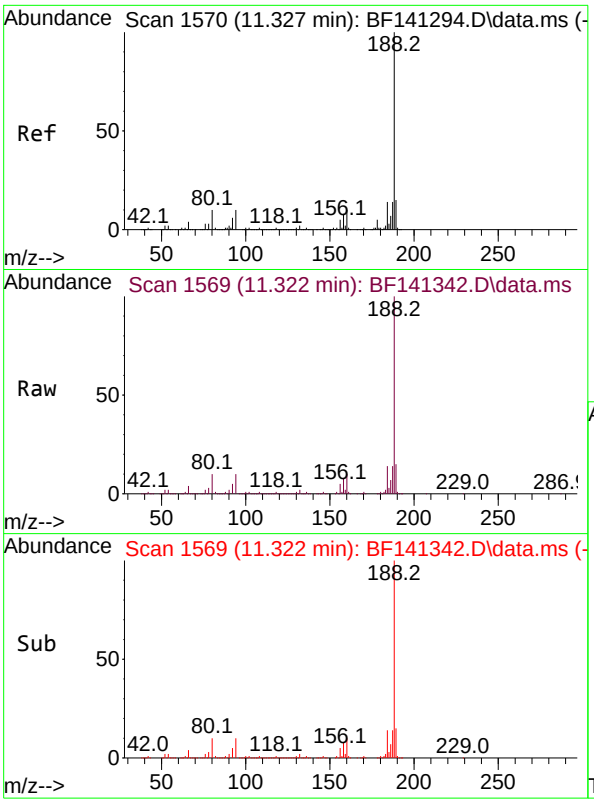


#45
2-Fluorobiphenyl
Concen: 82.186 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141342.D
Acq: 31 Jan 2025 20:04

Tgt Ion:172 Resp: 1688277

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.8	43.2
170	23.5	19.0	28.6



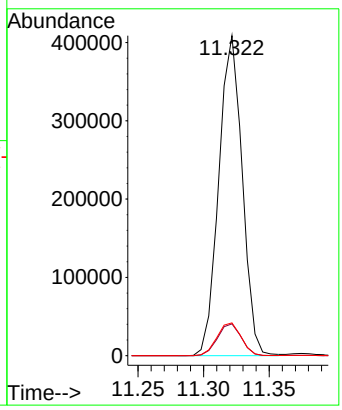


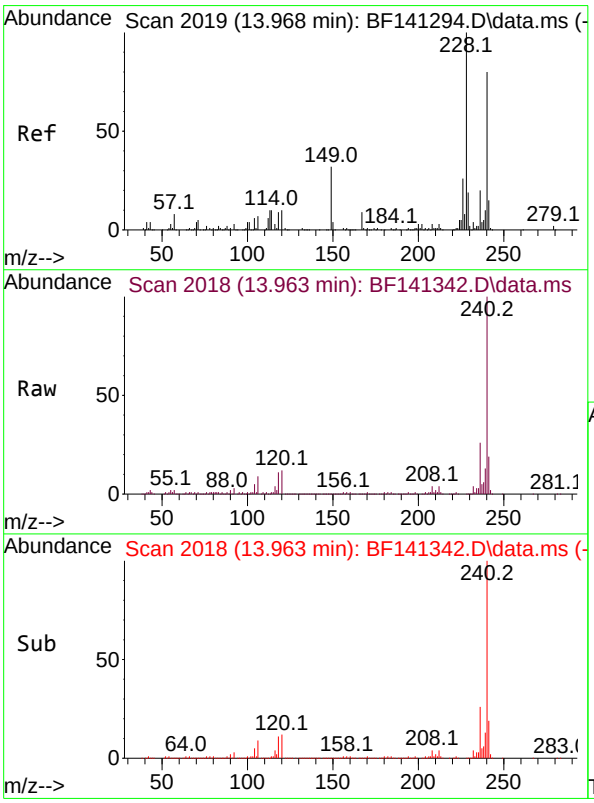
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141342.D
Acq: 31 Jan 2025 20:04

Instrument :
BNA_F
ClientSampleId :
CHESTNUT-CONCRETE

Tgt Ion:188 Resp: 508197

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	10.3	8.2	12.4

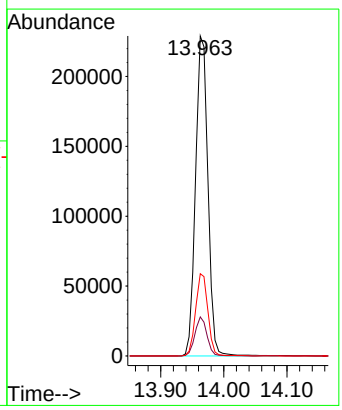


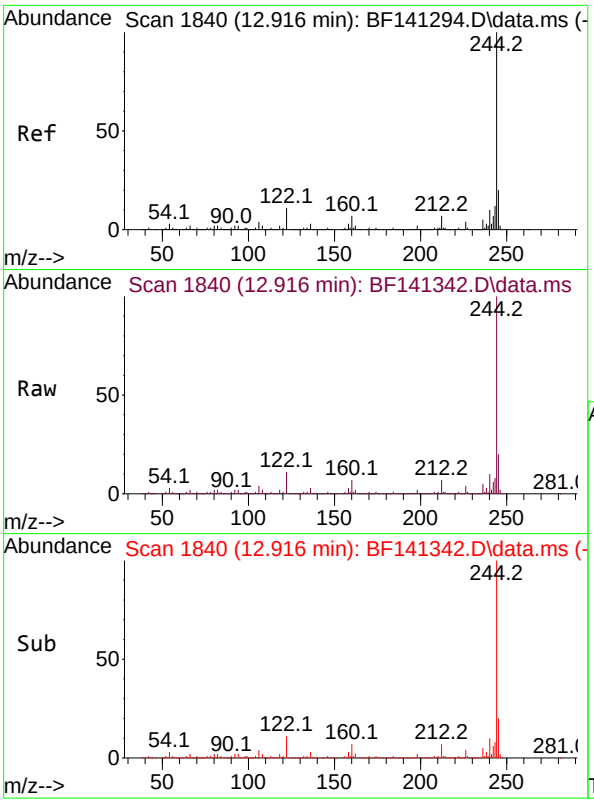


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141342.D
Acq: 31 Jan 2025 20:04

Tgt Ion:240 Resp: 311334

Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.0	15.0
236	25.7	19.7	29.5



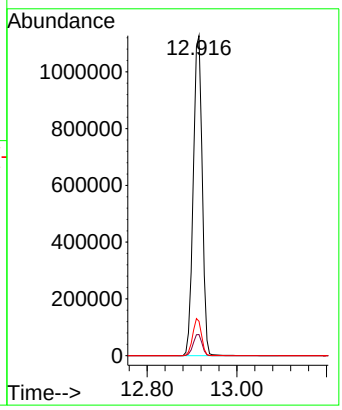


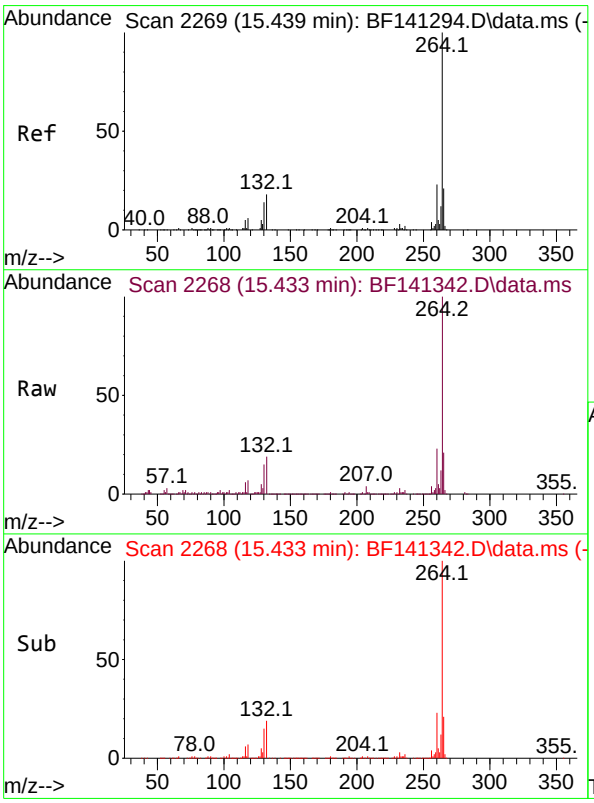
#79
Terphenyl-d14
Concen: 77.030 ng
RT: 12.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141342.D
Acq: 31 Jan 2025 20:04

Instrument :
BNA_F
ClientSampleId :
CHESTNUT-CONCRETE

Tgt Ion:244 Resp: 1555075

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.8	8.8	13.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141342.D
Acq: 31 Jan 2025 20:04

Tgt Ion:264 Resp: 307683

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.0	16.7	25.1