Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
Data File : BF141761.D
Acq On : 25 Feb 2025 13:37
Operator : RC/JU
Sample : Q1421-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01

Quant Time: Feb 25 13:58:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	70937	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	285987	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	150521	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	242744	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	169101	20.000	ng	-0.02
86) Perylene-d12	15.386	264	177274	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	481576	106.431	ng	0.00
7) Phenol-d6	6.422	99	601806	105.230	ng	-0.02
23) Nitrobenzene-d5	7.345	82	378736	69.074	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	134680	89.071	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	734402	75.169	ng	-0.02
79) Terphenyl-d14	12.880	244	677916	67.678	ng	-0.02
Target Compounds						Qvalue

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

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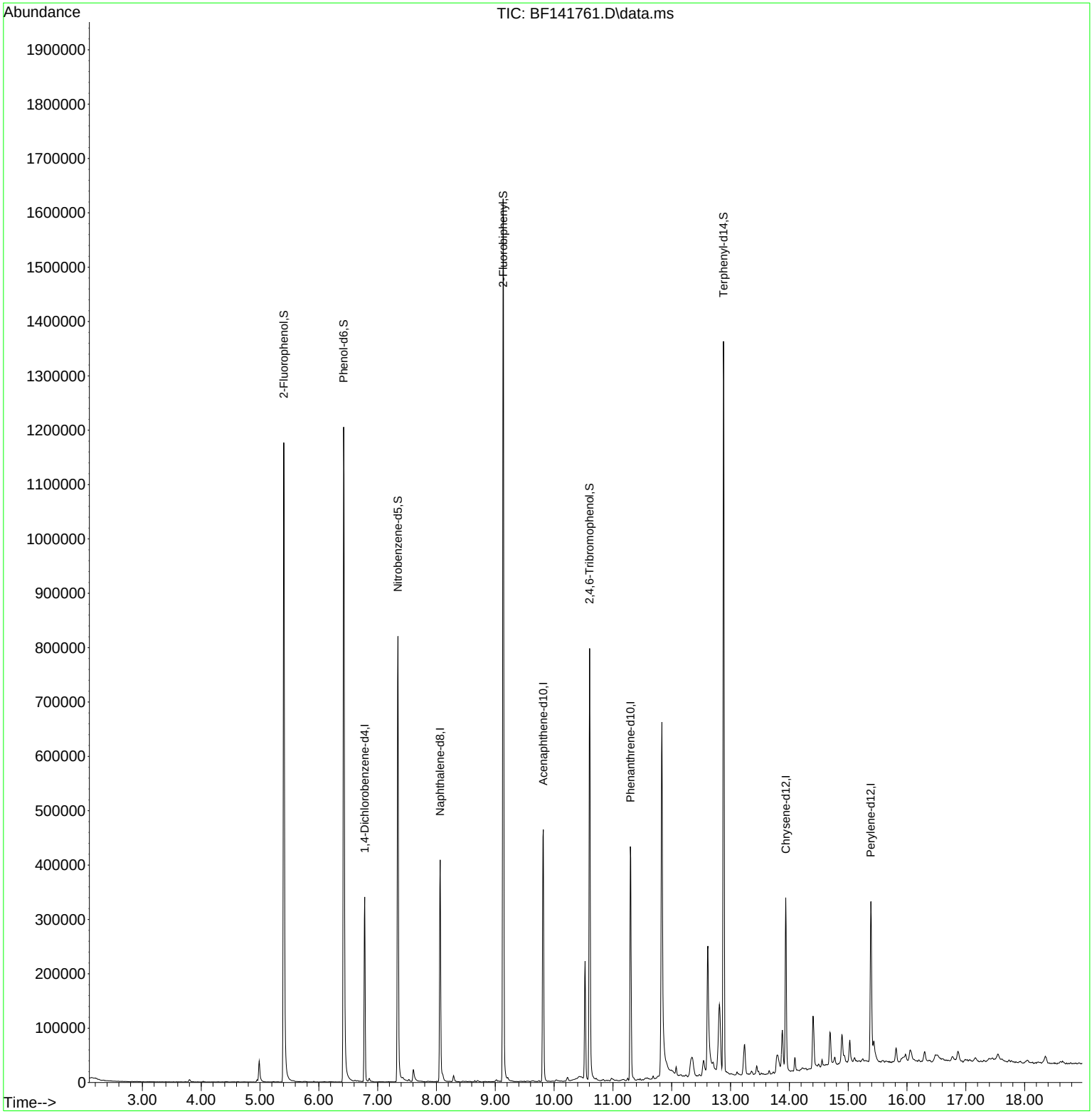
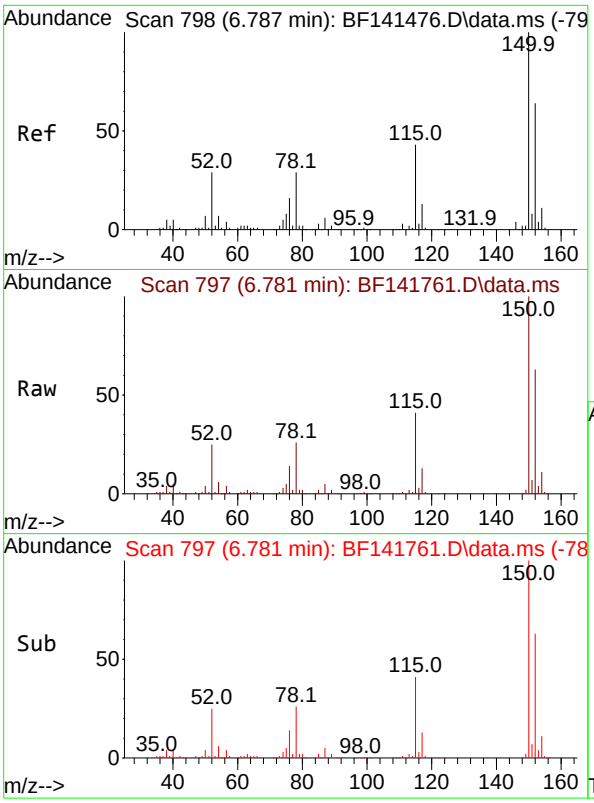


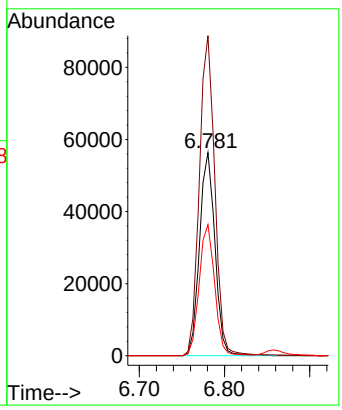


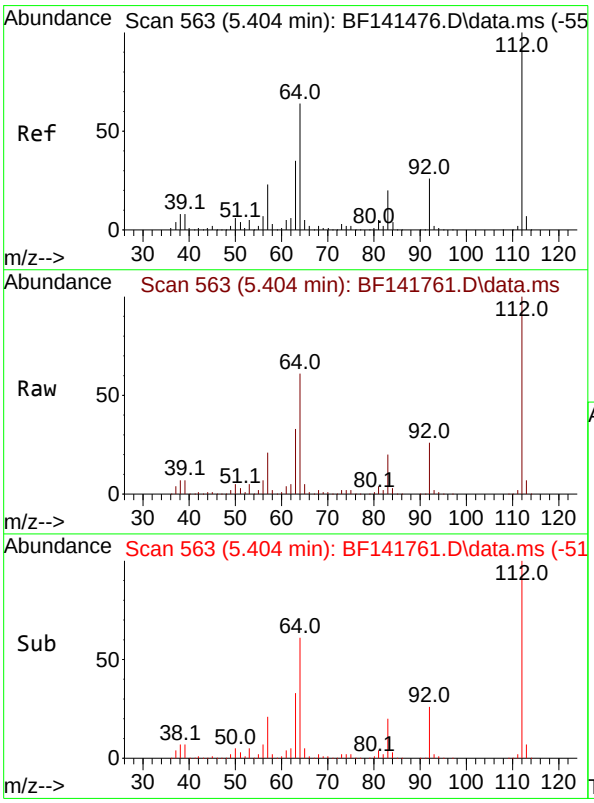
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01

Tgt Ion:152 Resp: 70937

Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.0	187.4
115	64.5	53.6	80.4

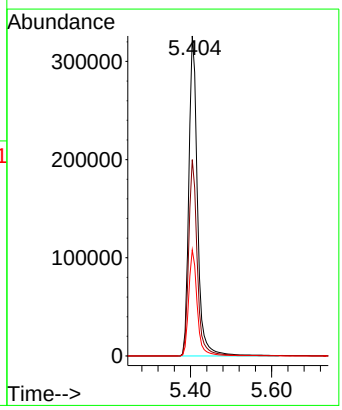


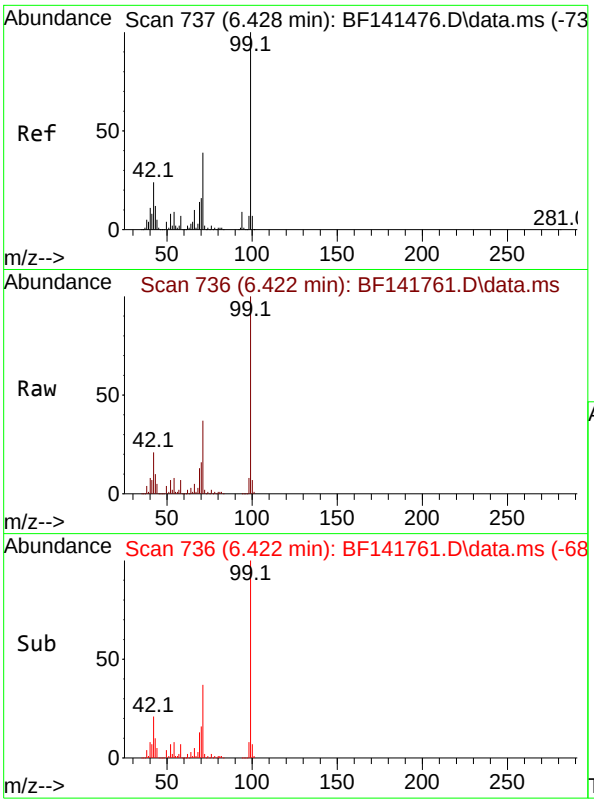


#5
2-Fluorophenol
Concen: 106.431 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Tgt Ion:112 Resp: 481576

Ion	Ratio	Lower	Upper
112	100		
64	61.4	51.1	76.7
63	33.2	28.4	42.6



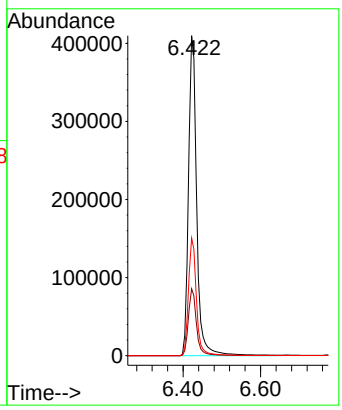


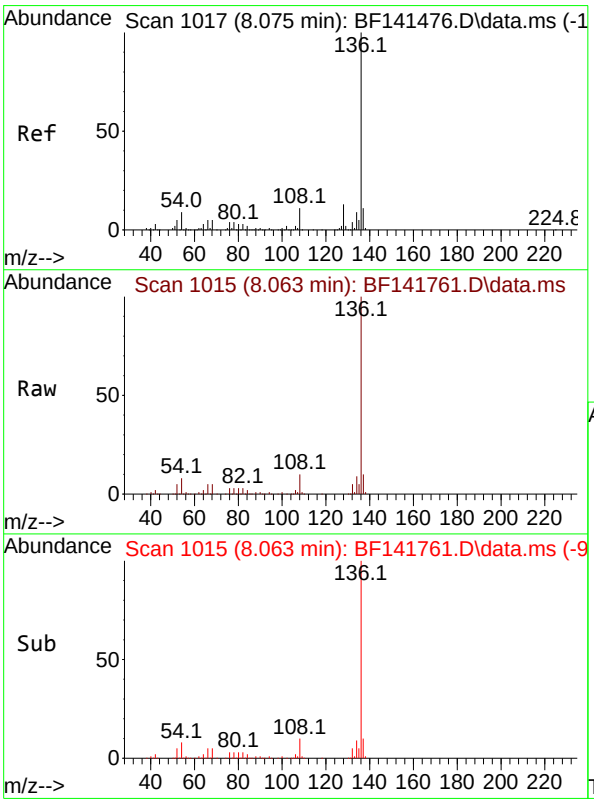
#7
Phenol-d6
Concen: 105.230 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01

Tgt Ion: 99 Resp: 601806

Ion	Ratio	Lower	Upper
99	100		
42	20.9	19.1	28.7
71	36.8	31.1	46.7

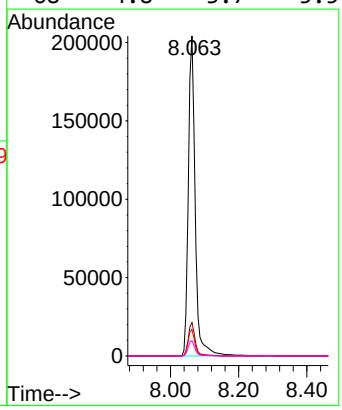


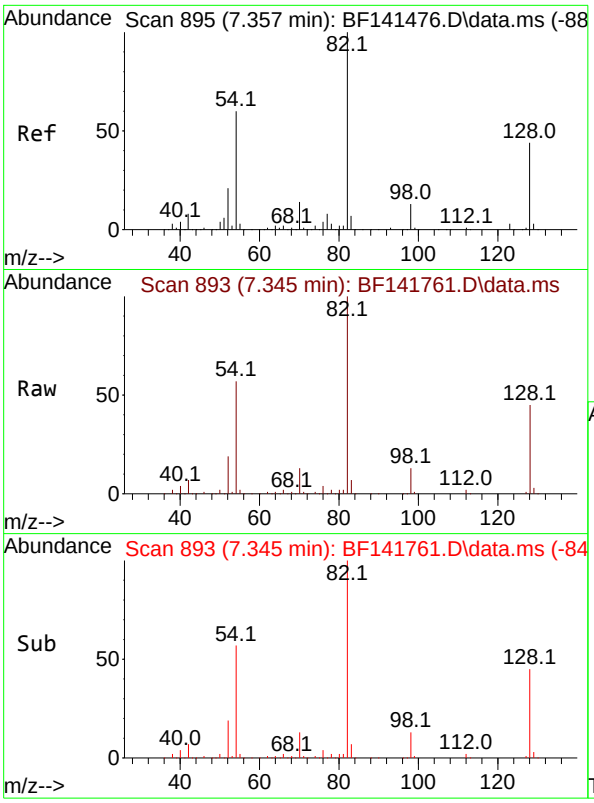


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Tgt Ion:136 Resp: 285987

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	8.2	7.2	10.8
68	4.8	3.7	5.5



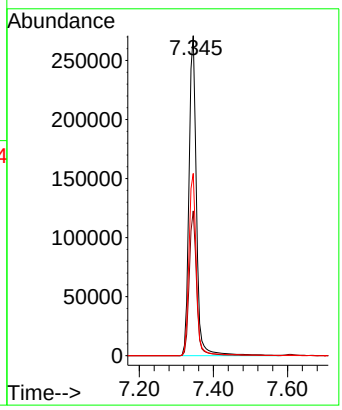


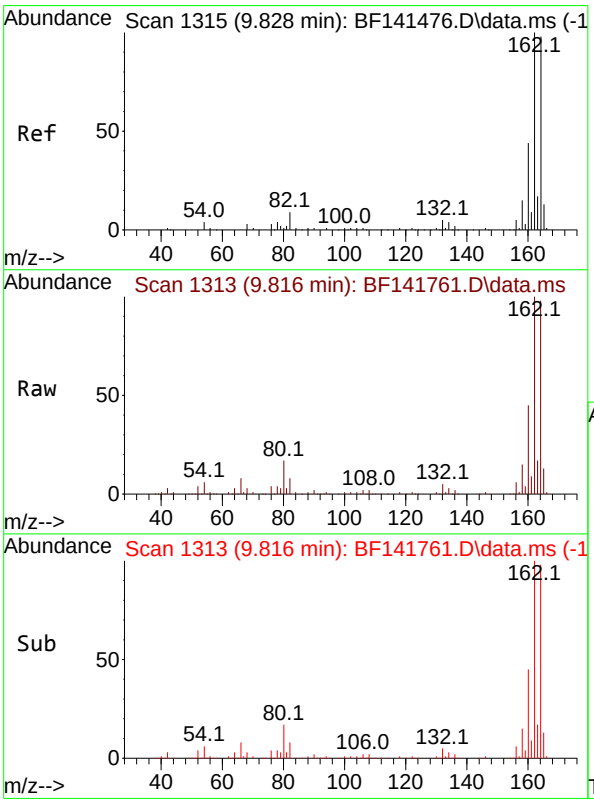
#23
Nitrobenzene-d5
Concen: 69.074 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01

Tgt Ion: 82 Resp: 378736

Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.8	52.2
54	56.9	48.2	72.4

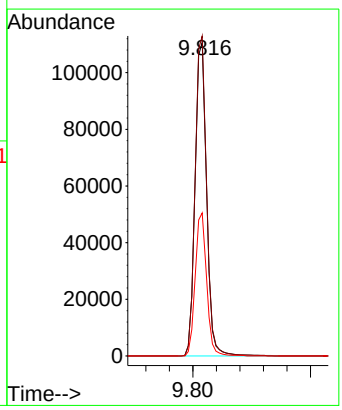


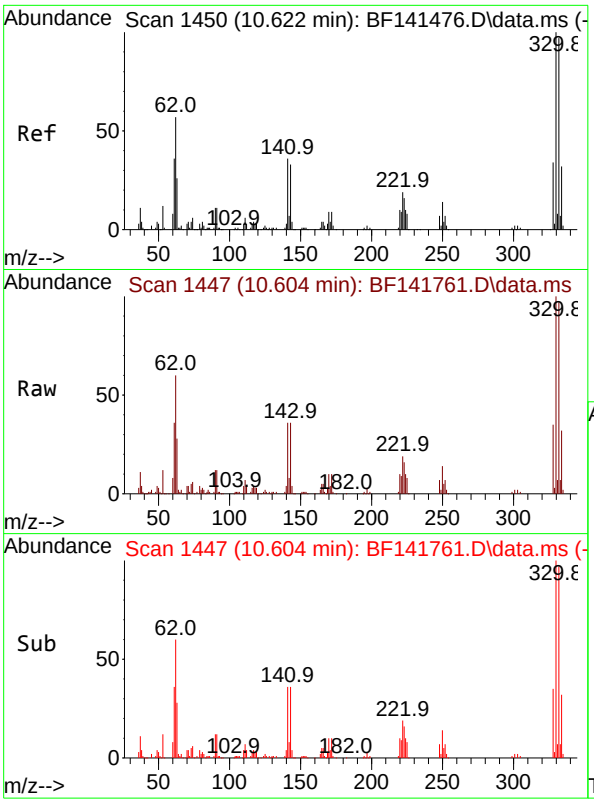


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Tgt Ion:164 Resp: 150521

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.3	121.9
160	45.7	35.9	53.9



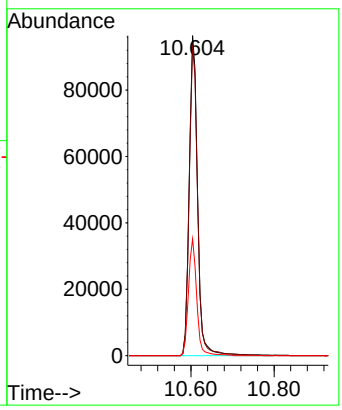


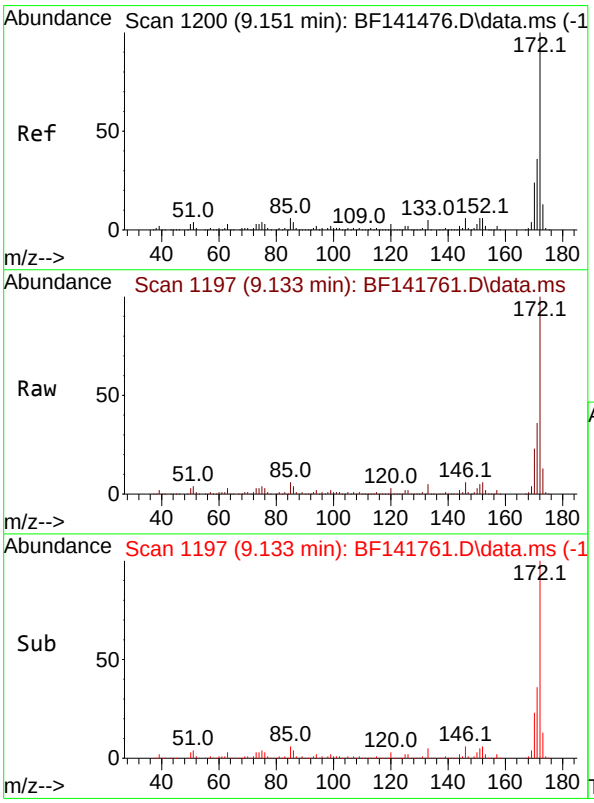
#42
2,4,6-Tribromophenol
Concen: 89.071 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.024 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01

Tgt Ion:330 Resp: 134680

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.5	117.7
141	35.9	31.0	46.4

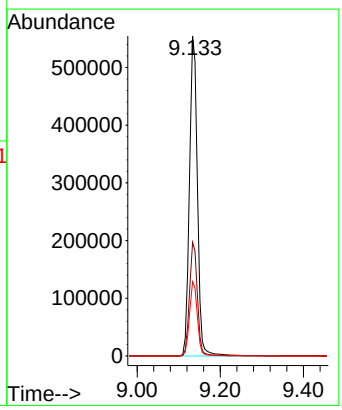


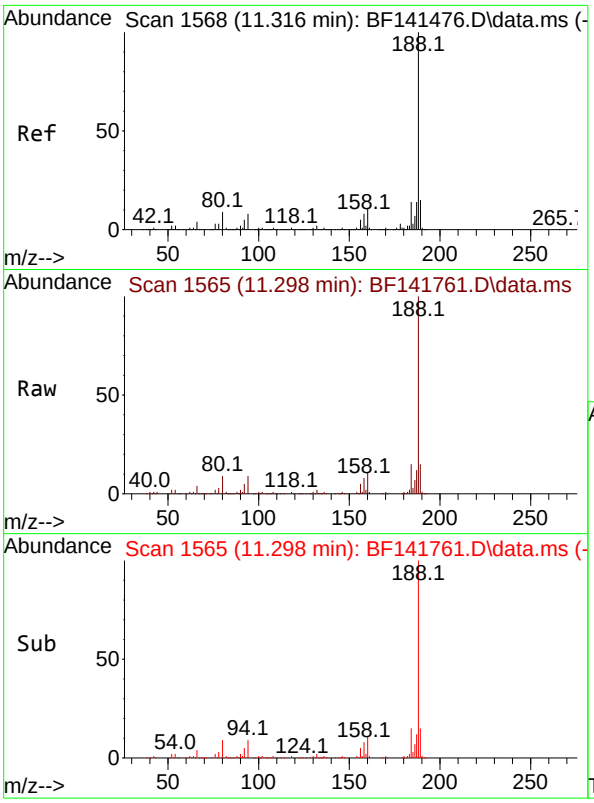


#45
2-Fluorobiphenyl
Concen: 75.169 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Tgt Ion:172 Resp: 734402

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.2	18.9	28.3



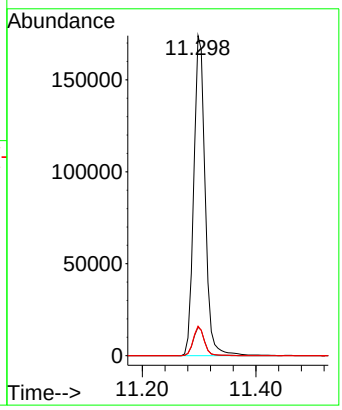


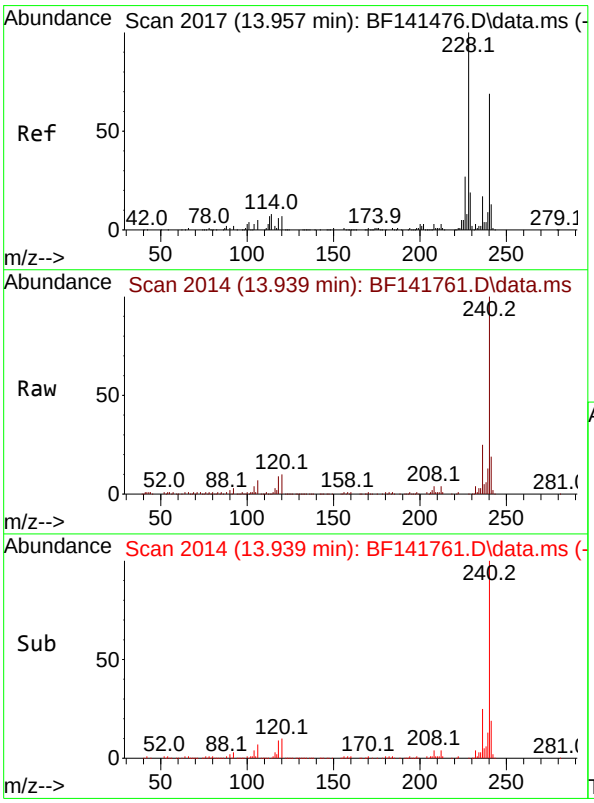
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01

Tgt Ion:188 Resp: 242744

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.3	7.3	10.9

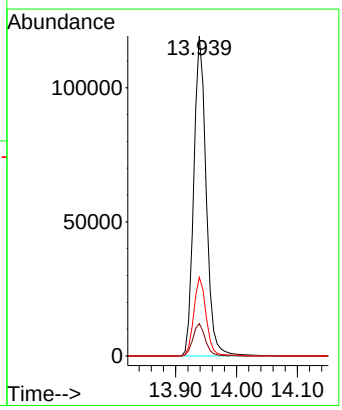


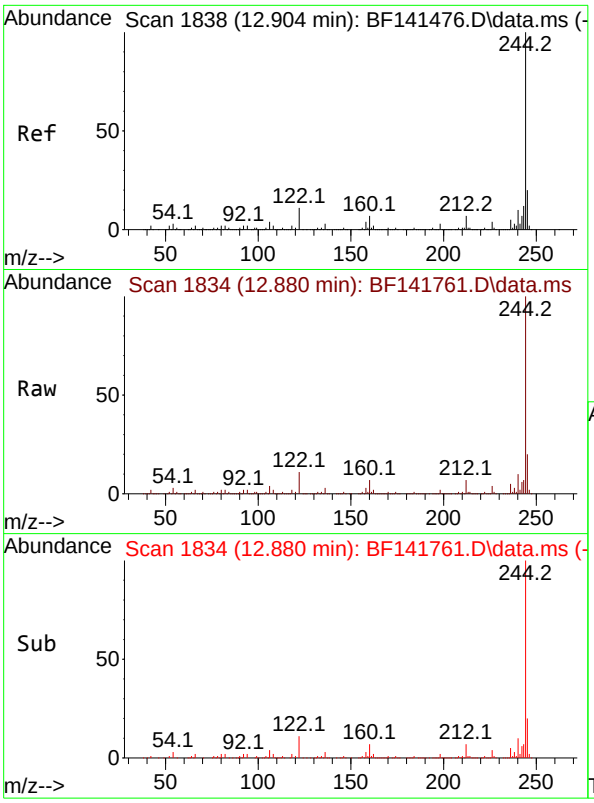


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.024 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Tgt Ion:240 Resp: 169101

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.0	12.0
236	24.5	19.8	29.8



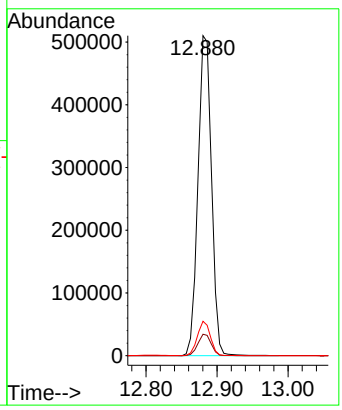


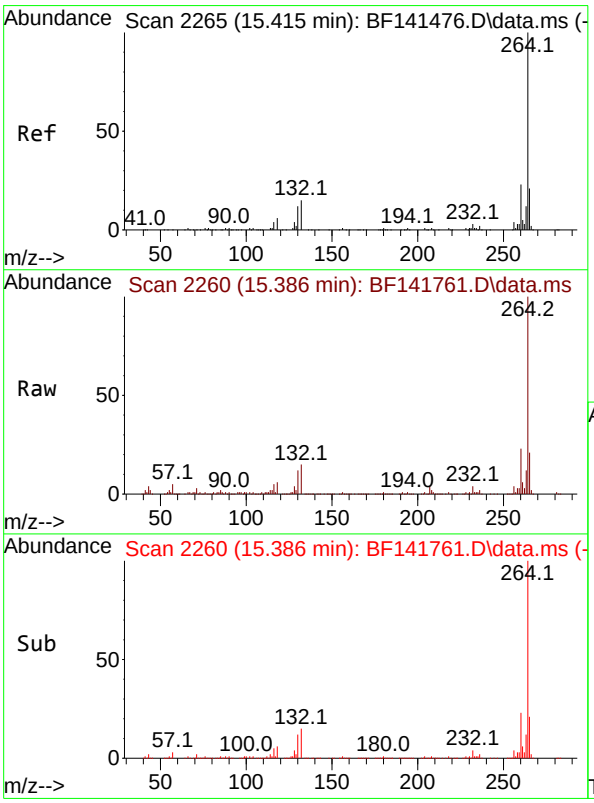
#79
Terphenyl-d14
Concen: 67.678 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01

Tgt Ion:244 Resp: 677916

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	10.8	8.4	12.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.386 min Scan# 2260
Delta R.T. -0.029 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Tgt Ion:264 Resp: 177274

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.6	28.0
265	20.9	17.0	25.4