Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141983.D
Acq On : 17 Mar 2025 16:01
Operator : RC/JU
Sample : Q1568-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-03-03132025

Quant Time: Mar 17 16:21:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	112765	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	384936	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	185847	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	340415	20.000	ng	0.00
76) Chrysene-d12	14.039	240	278167	20.000	ng	0.00
86) Perylene-d12	15.516	264	204952	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	978387	144.805	ng	0.02
7) Phenol-d6	6.504	99	1023198	118.940	ng	0.00
23) Nitrobenzene-d5	7.440	82	695404	101.665	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	368814	156.429	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1274098	104.261	ng	0.00
79) Terphenyl-d14	12.986	244	1917995	101.941	ng	0.00
Target Compounds						Qvalue
77) Benzidine	12.739	184	10550	2.718	ng	# 88

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

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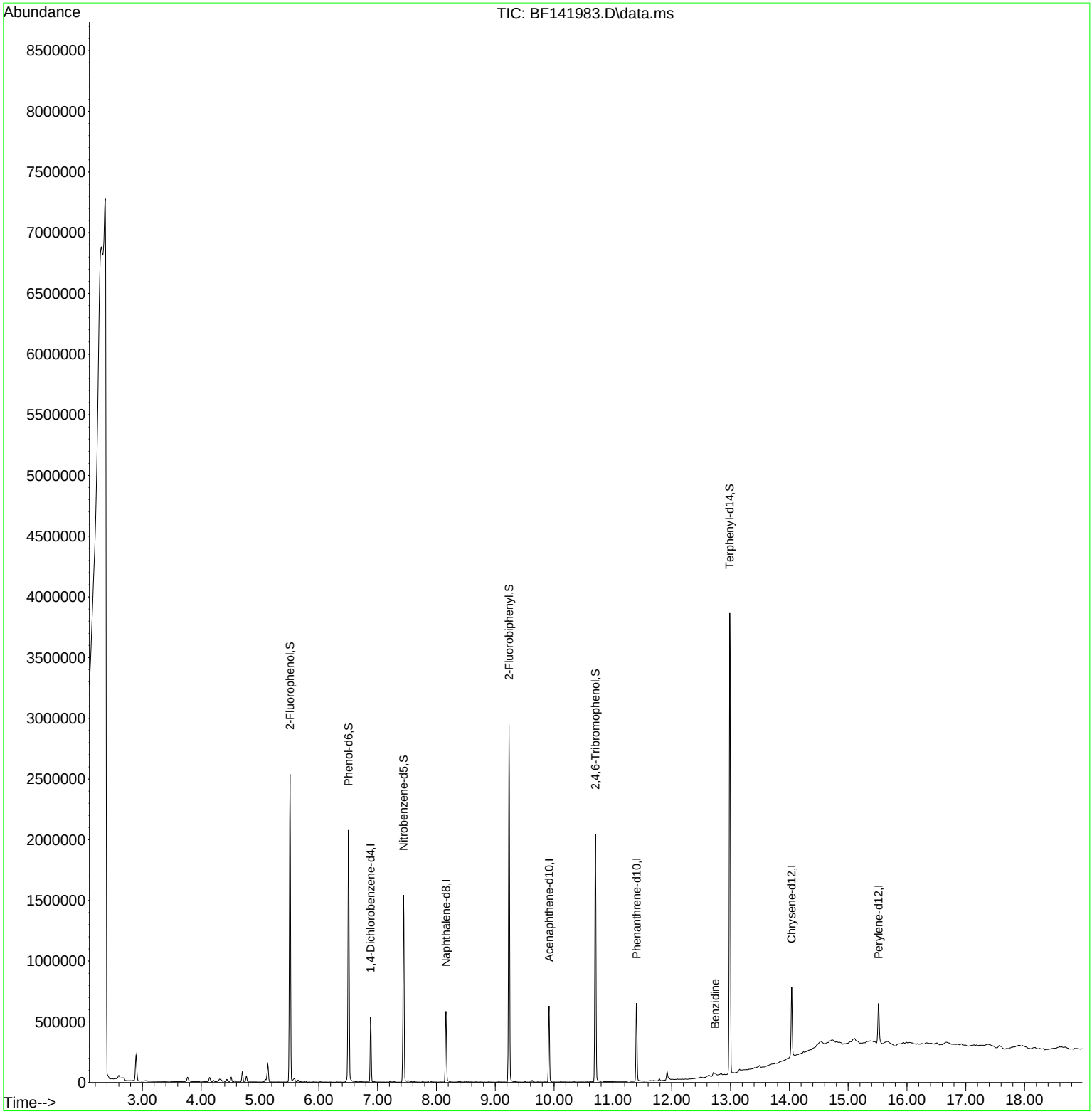
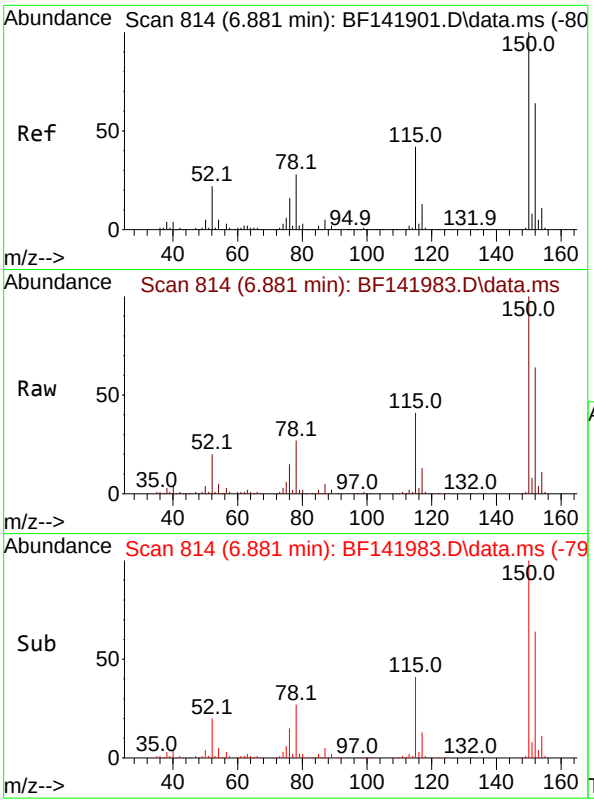


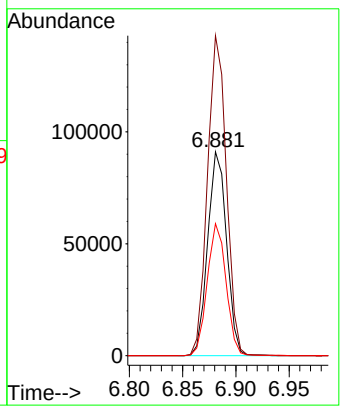


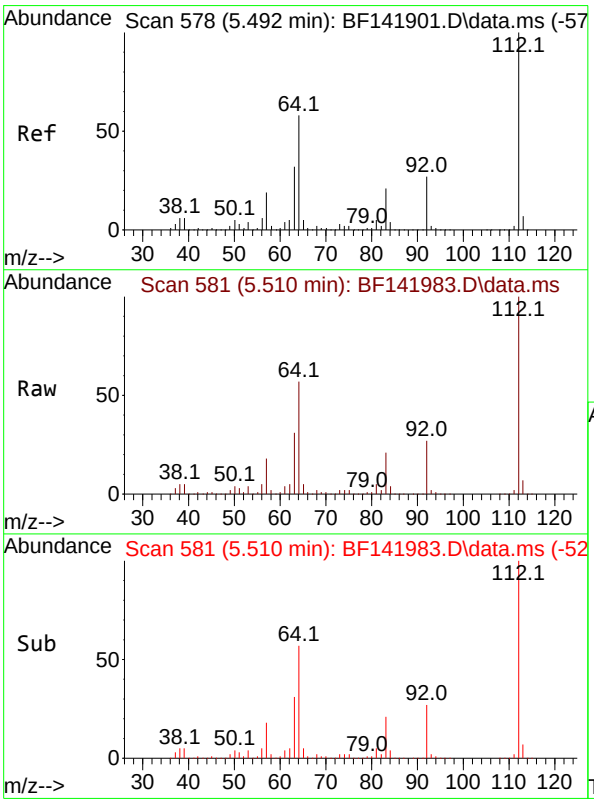
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Instrument :
BNA_F
ClientSampleId :
JC-03-03132025

Tgt Ion:152 Resp: 112765

Ion	Ratio	Lower	Upper
152	100		
150	157.0	127.4	191.2
115	64.7	51.9	77.9

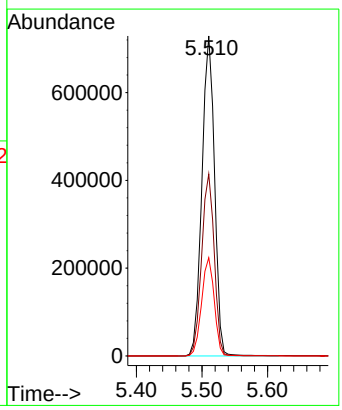


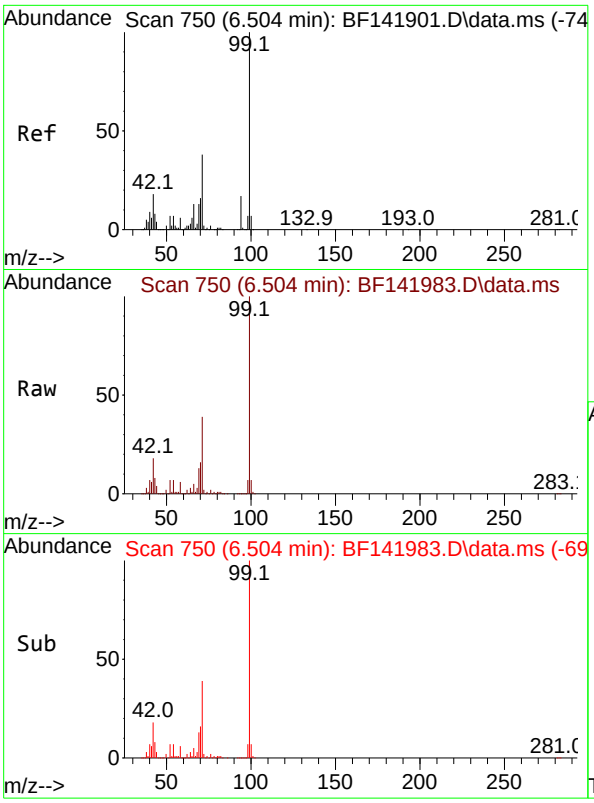


#5
2-Fluorophenol
Concen: 144.805 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Tgt Ion:112 Resp: 978387

Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.5	69.7
63	30.7	25.4	38.2



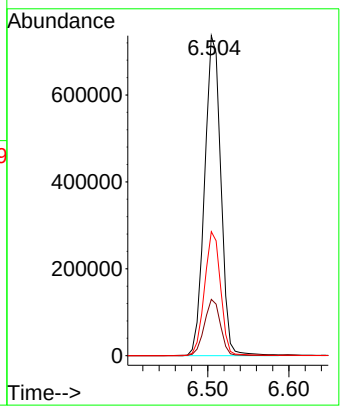


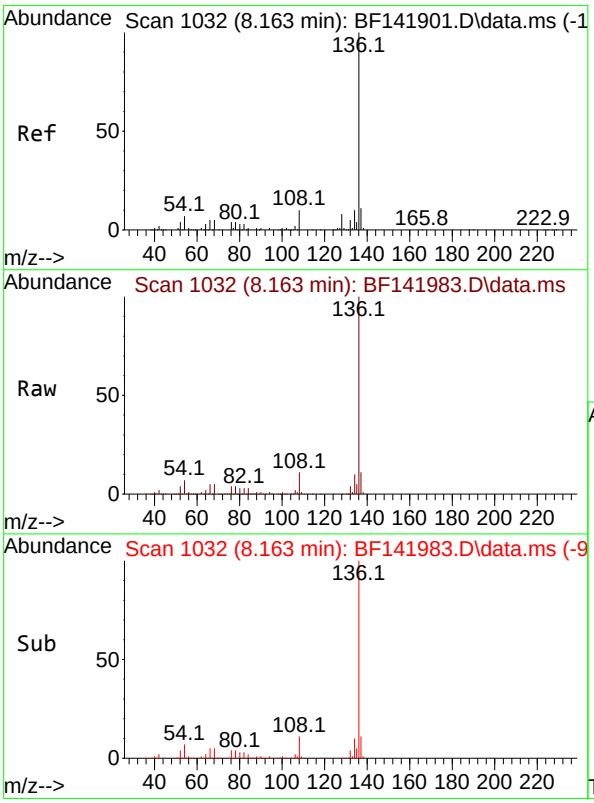
#7
Phenol-d6
Concen: 118.940 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Instrument :
BNA_F
ClientSampleId :
JC-03-03132025

Tgt Ion: 99 Resp: 1023198

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	21.8
71	38.7	30.8	46.2

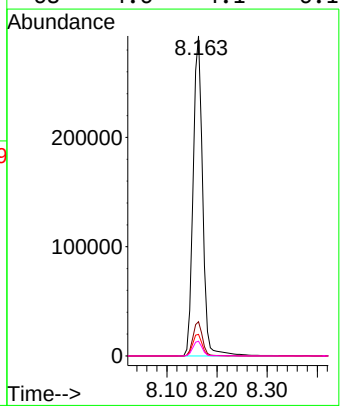


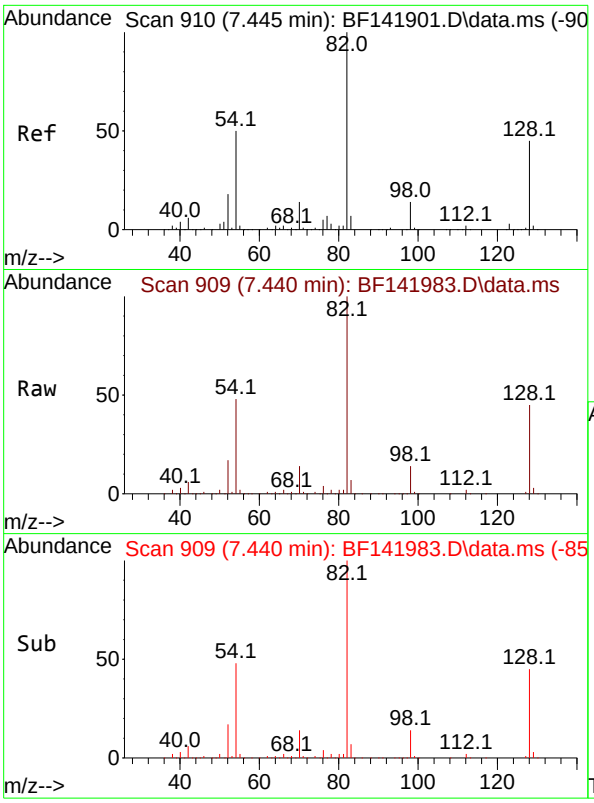


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Tgt Ion:136 Resp: 384936

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.7	5.8	8.8
68	4.6	4.1	6.1



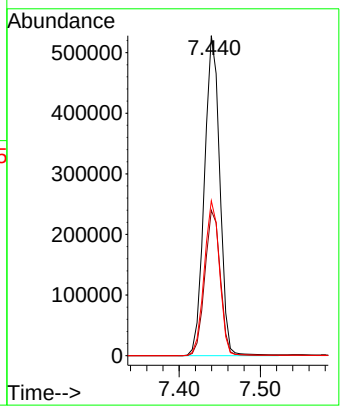


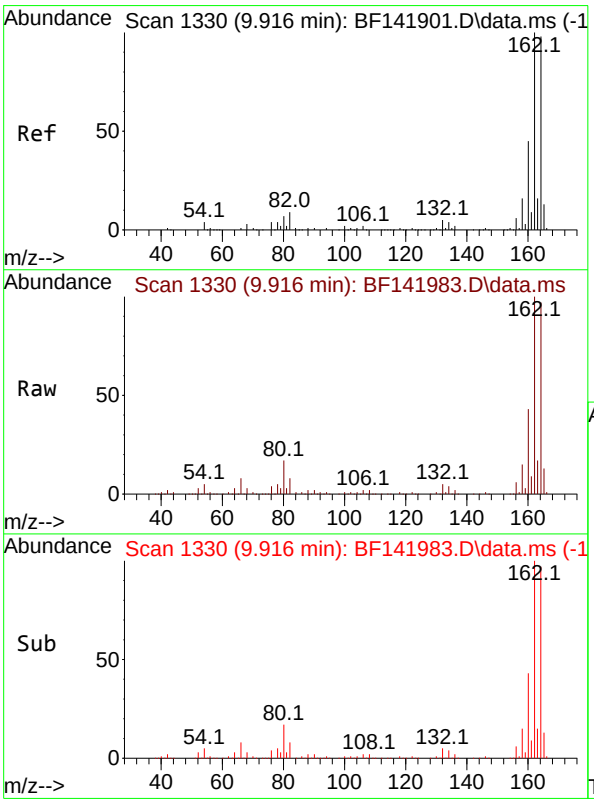
#23
Nitrobenzene-d5
Concen: 101.665 ng
RT: 7.440 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Instrument :
BNA_F
ClientSampleId :
JC-03-03132025

Tgt Ion: 82 Resp: 695404

Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.0	54.0
54	48.4	39.6	59.4

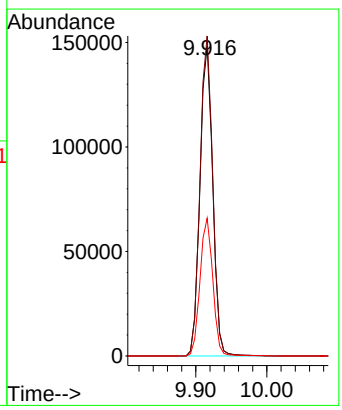


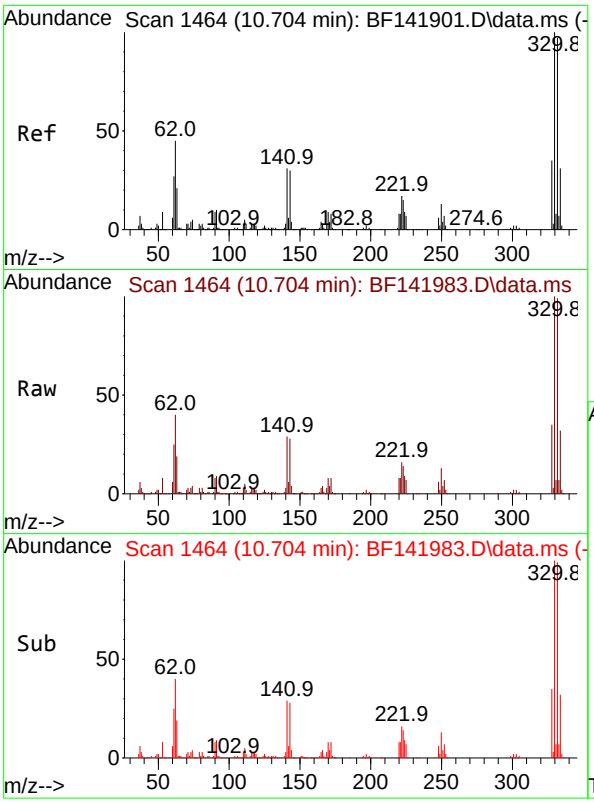


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Tgt Ion:164 Resp: 185847

Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.8	122.6
160	44.4	36.7	55.1



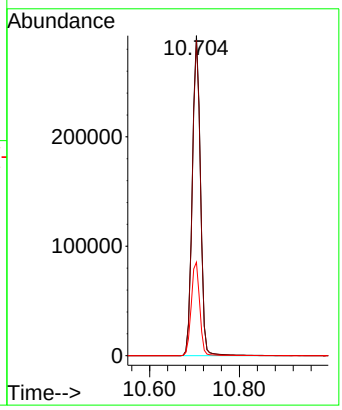


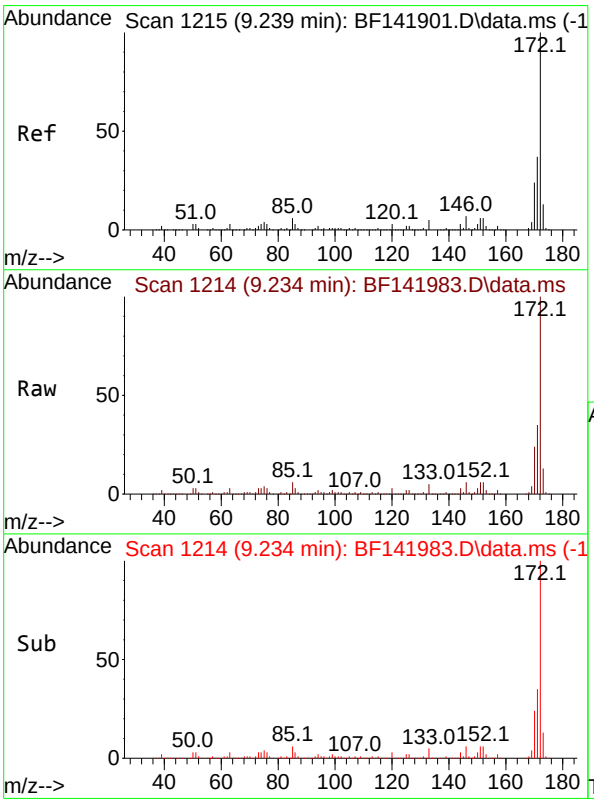
#42
2,4,6-Tribromophenol
Concen: 156.429 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Instrument :
BNA_F
ClientSampleId :
JC-03-03132025

Tgt Ion:330 Resp: 368814

Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.6	116.4
141	30.5	24.7	37.1

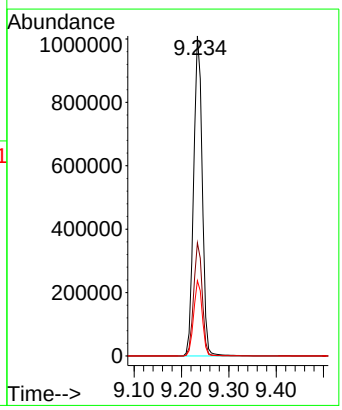


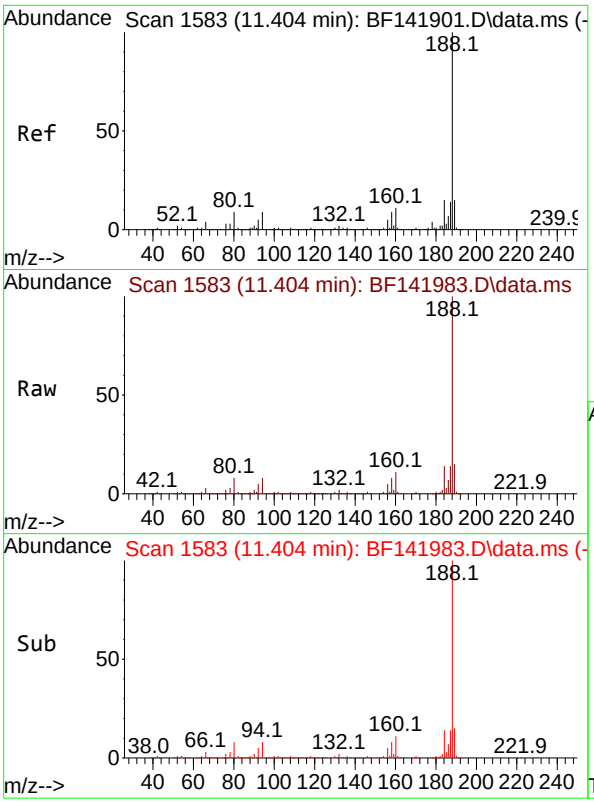


#45
2-Fluorobiphenyl
Concen: 104.261 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Tgt Ion:172 Resp: 1274098

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.3	43.9
170	23.5	19.4	29.0



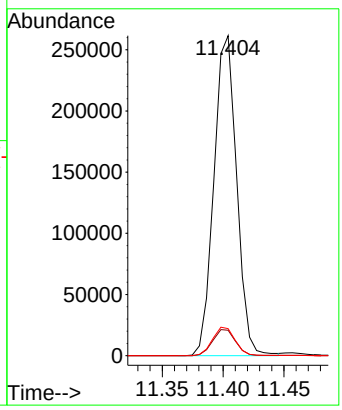


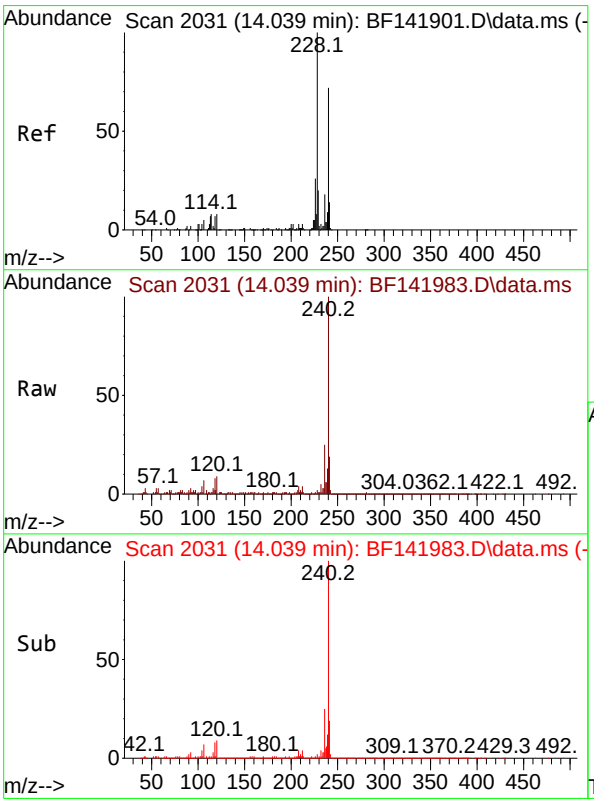
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Instrument :
BNA_F
ClientSampleId :
JC-03-03132025

Tgt Ion:188 Resp: 340415

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.8	10.2
80	8.4	7.6	11.4

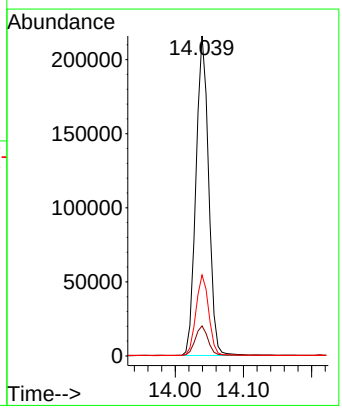


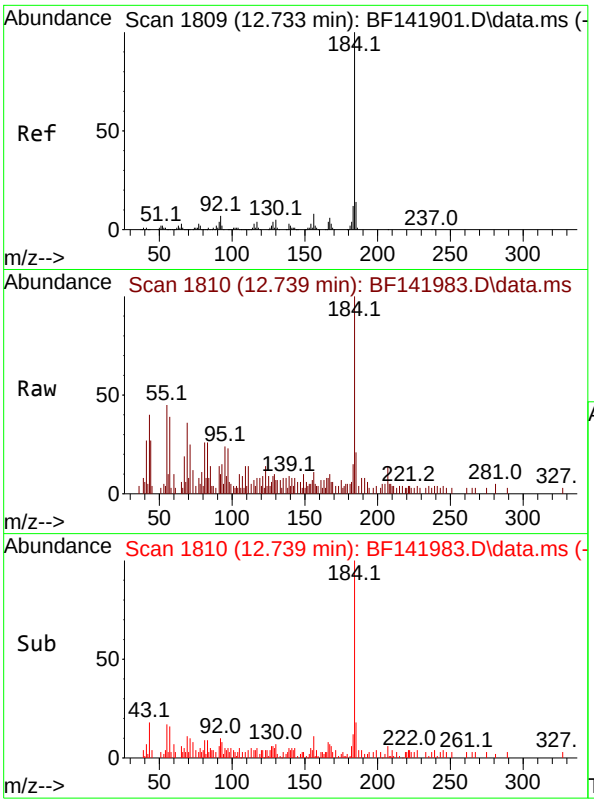


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Tgt Ion:240 Resp: 278167

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.4	12.6
236	25.3	20.5	30.7



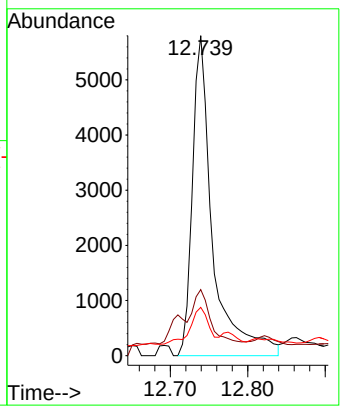


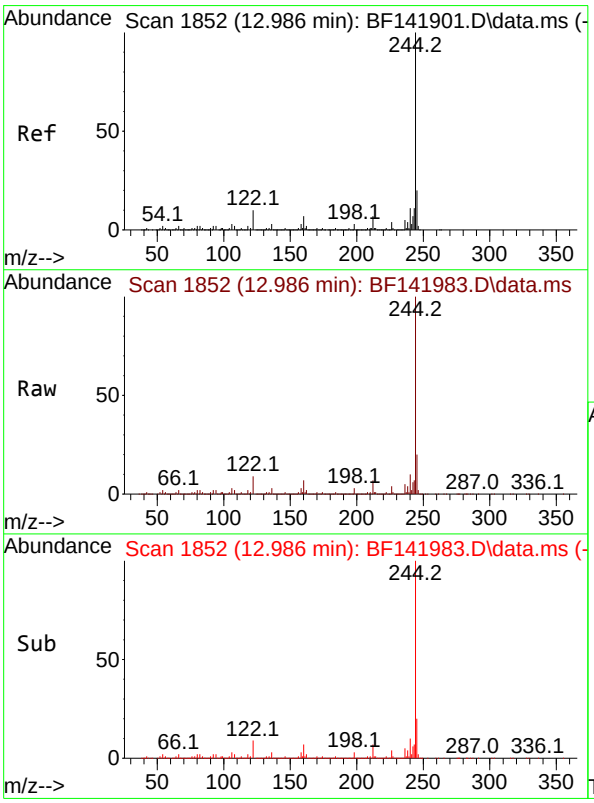
#77
Benzidine
Concen: 2.718 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Instrument :
BNA_F
ClientSampleId :
JC-03-03132025

Tgt Ion:184 Resp: 10550

Ion	Ratio	Lower	Upper
184	100		
185	20.6	11.5	17.3#
183	15.1	9.7	14.5#

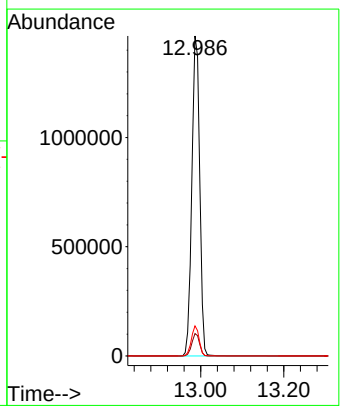


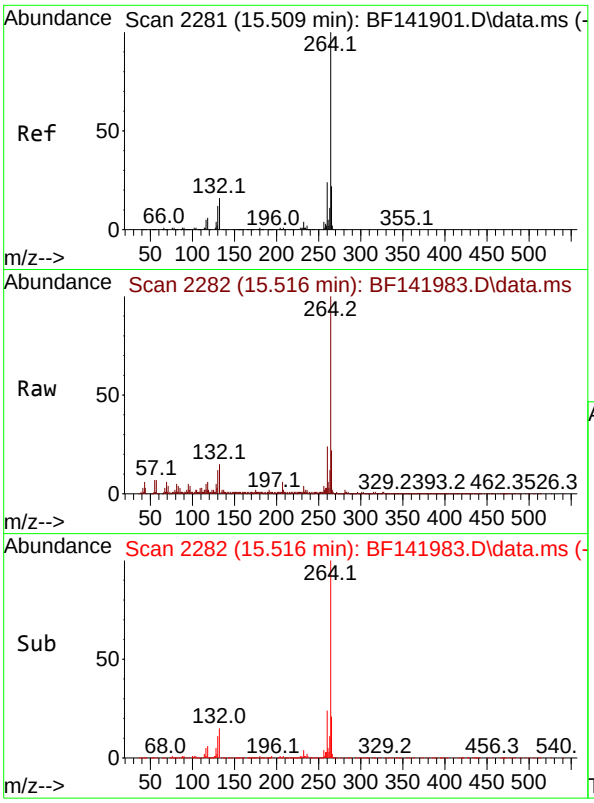


#79
Terphenyl-d14
Concen: 101.941 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Tgt Ion:244 Resp: 1917995

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.4	7.7	11.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.516 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141983.D
Acq: 17 Mar 2025 16:01

Instrument :
BNA_F
ClientSampleId :
JC-03-03132025

Tgt Ion:264 Resp: 204952

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.7	17.5	26.3