Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141452.D
Acq On : 05 Feb 2025 17:35
Operator : RC/JU
Sample : Q1207-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Quant Time: Feb 06 01:43:56 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	6.793	152	67166	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	273499	20.000	ng	#-0.02
39) Acenaphthene-d10	9.828	164	146857	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	254047	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	150906	20.000	ng	#-0.02
86) Perylene-d12	15.427	264	156406	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	632786	144.635	ng	0.01
7) Phenol-d6	6.428	99	757771	136.152	ng	-0.01
23) Nitrobenzene-d5	7.351	82	570622	109.986	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	240907	178.935	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1041197	109.127	ng	-0.02
79) Terphenyl-d14	12.904	244	1151139	117.641	ng	-0.01
Target Compounds						Qvalue
77) Benzidine	12.651	184	21914	4.530	ng	100

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

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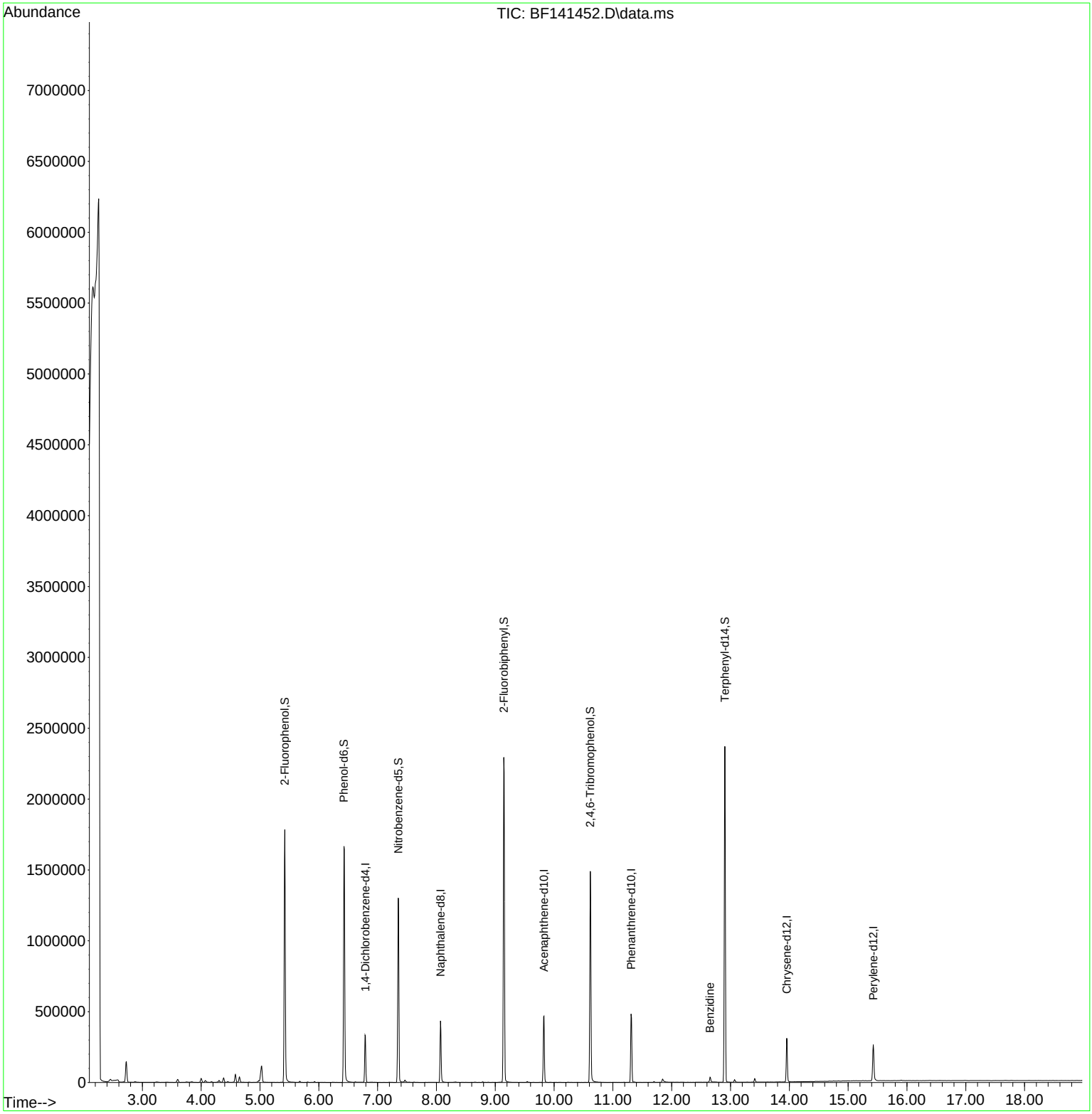
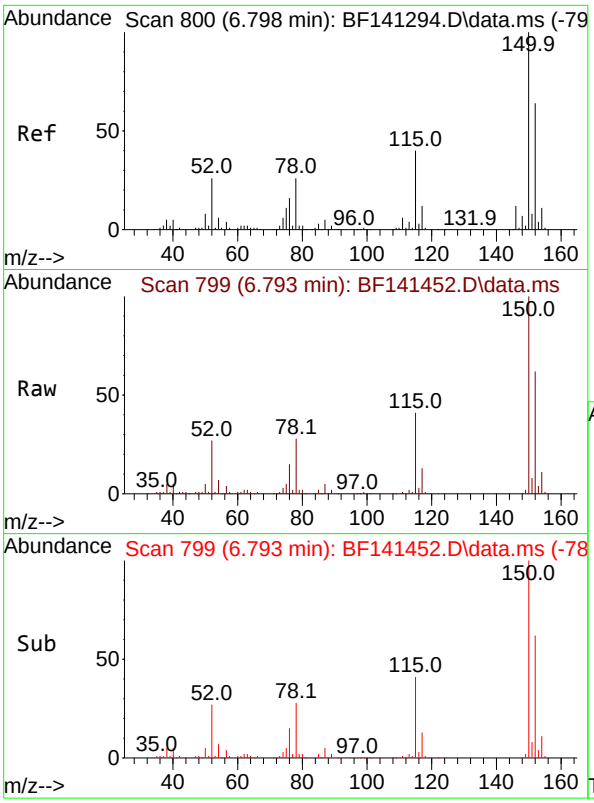


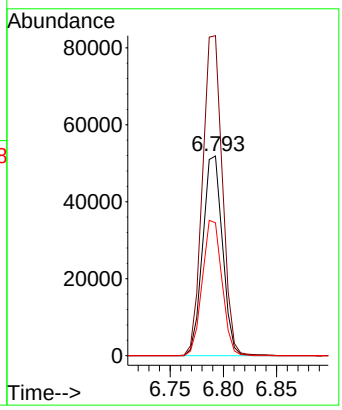


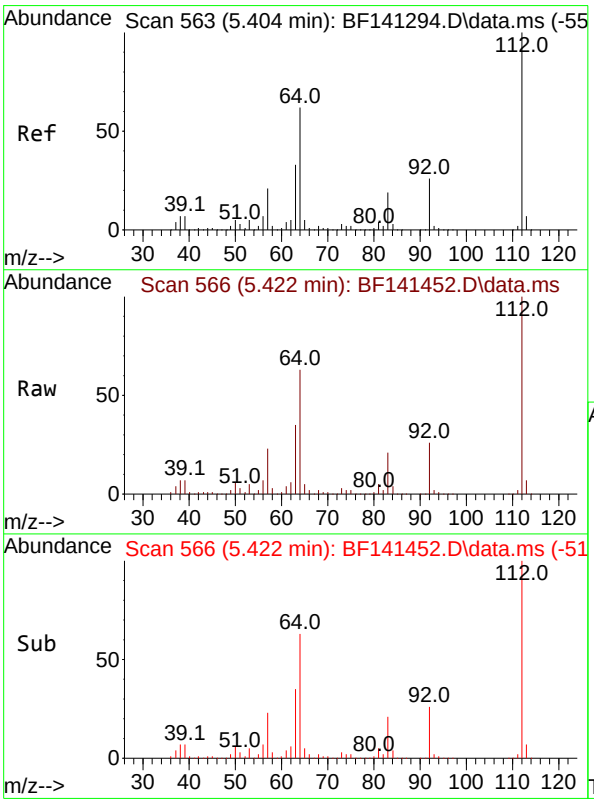
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141452.D
Acq: 05 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Tgt Ion:152 Resp: 67166

Ion	Ratio	Lower	Upper
152	100		
150	160.2	125.9	188.9
115	66.5	49.7	74.5

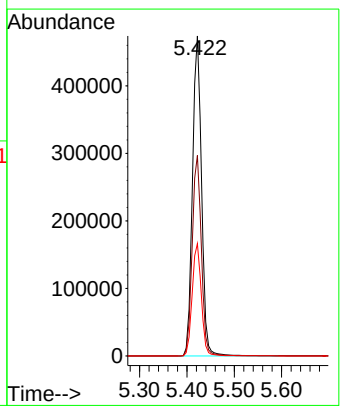


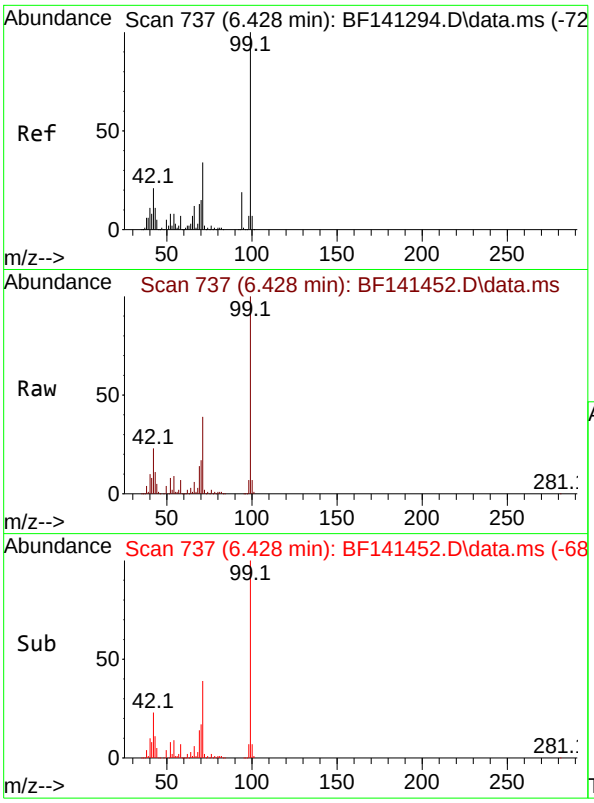


#5
2-Fluorophenol
Concen: 144.635 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141452.D
Acq: 05 Feb 2025 17:35

Tgt Ion:112 Resp: 632786

Ion	Ratio	Lower	Upper
112	100		
64	62.7	49.8	74.8
63	35.1	26.1	39.1



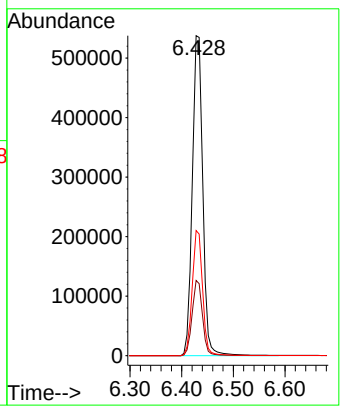


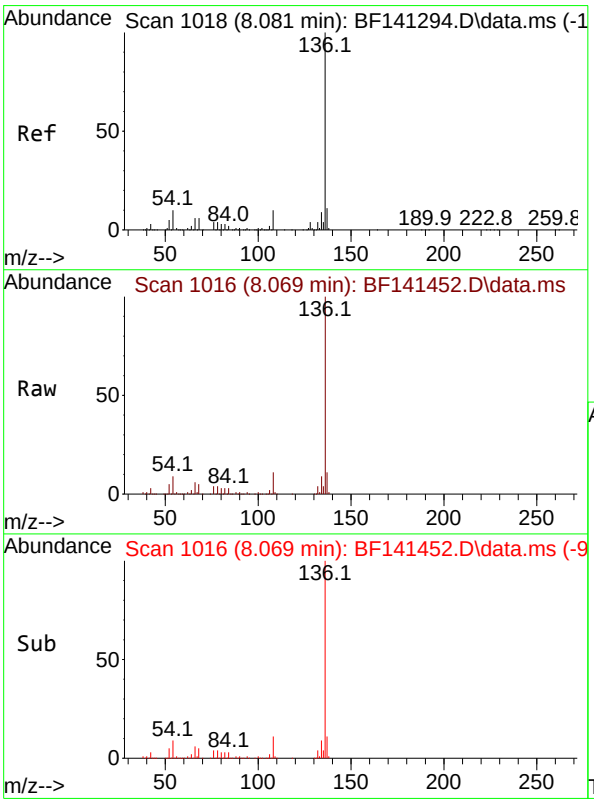
#7
Phenol-d6
Concen: 136.152 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141452.D
Acq: 05 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Tgt Ion: 99 Resp: 757771

Ion	Ratio	Lower	Upper
99	100		
42	23.5	17.1	25.7
71	39.1	26.9	40.3

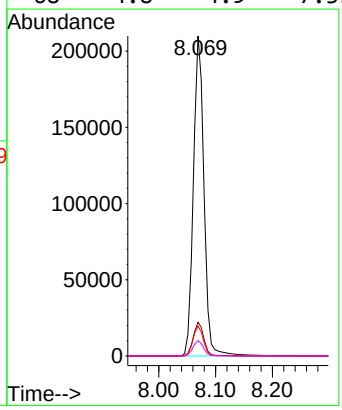


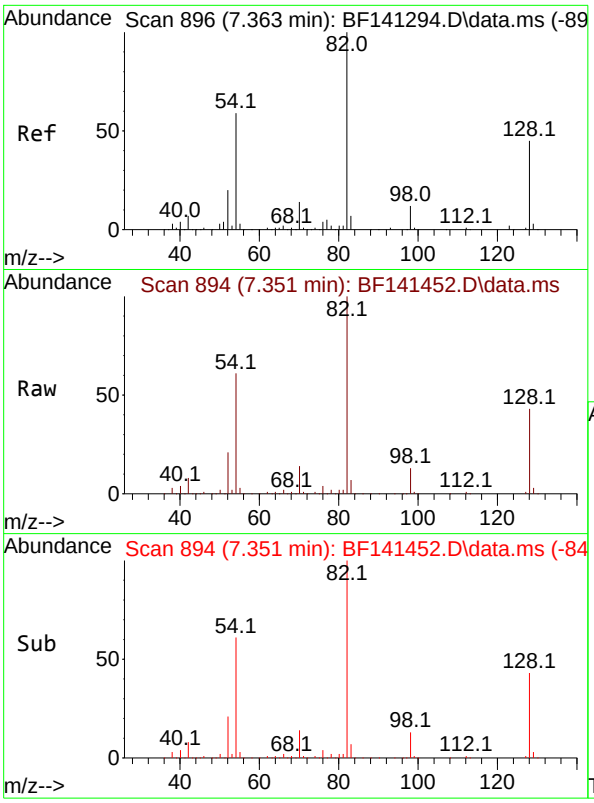


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141452.D
Acq: 05 Feb 2025 17:35

Tgt Ion:136 Resp: 273499

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	9.3	7.8	11.8
68	4.8	4.9	7.3#



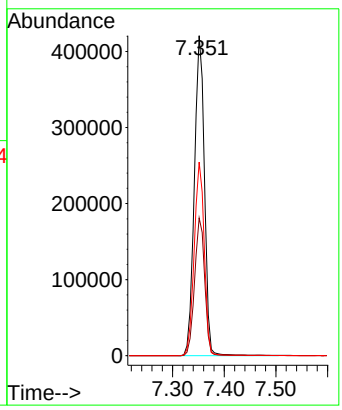


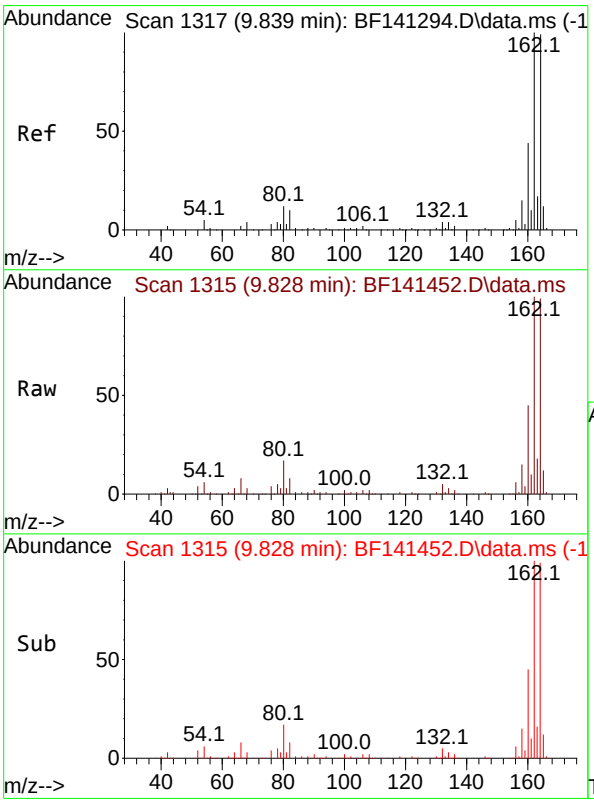
#23
Nitrobenzene-d5
Concen: 109.986 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141452.D
Acq: 05 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Tgt Ion: 82 Resp: 570622

Ion	Ratio	Lower	Upper
82	100		
128	43.0	35.7	53.5
54	60.5	47.1	70.7

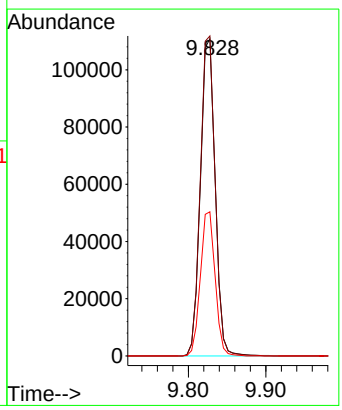


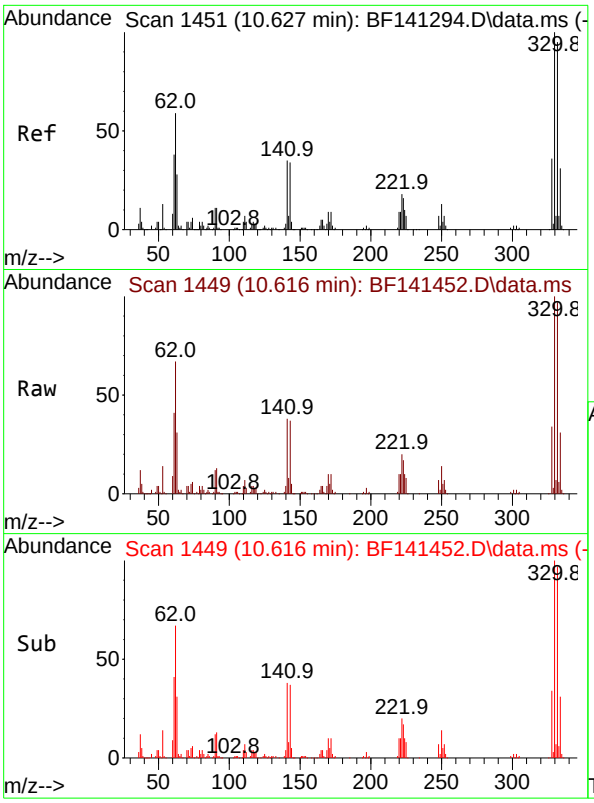


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141452.D
Acq: 05 Feb 2025 17:35

Tgt Ion:164 Resp: 146857

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	121.0
160	45.5	35.8	53.6



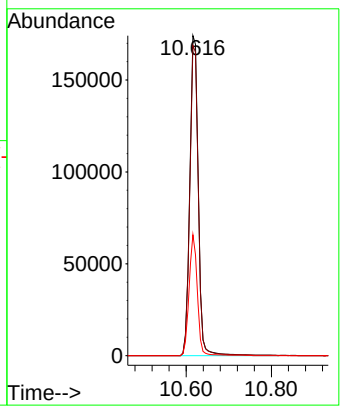


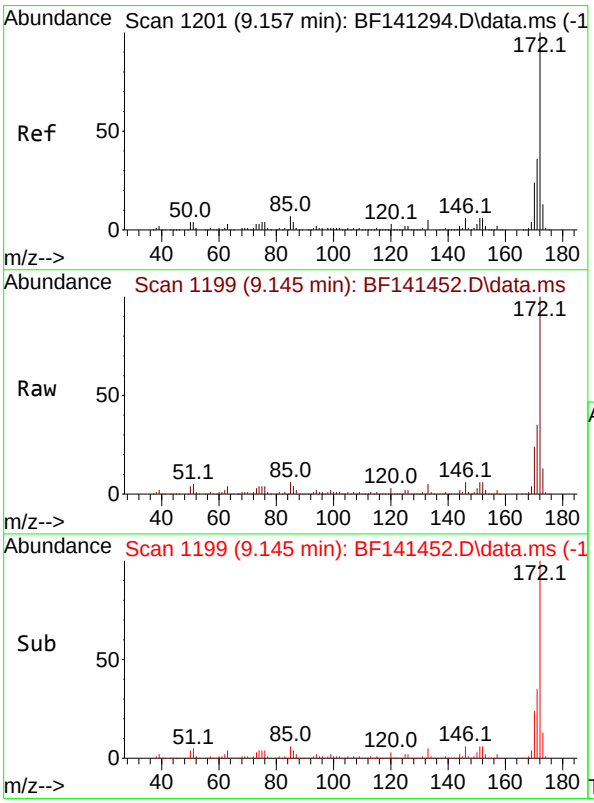
#42
2,4,6-Tribromophenol
Concen: 178.935 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141452.D
Acq: 05 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Tgt Ion:330 Resp: 240907

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.1	114.1
141	36.9	28.8	43.2

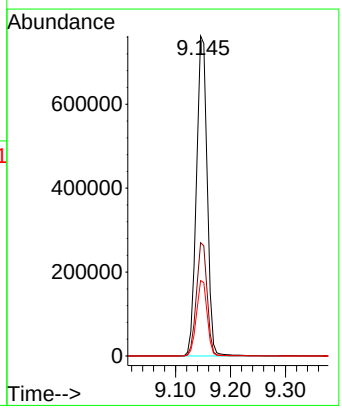


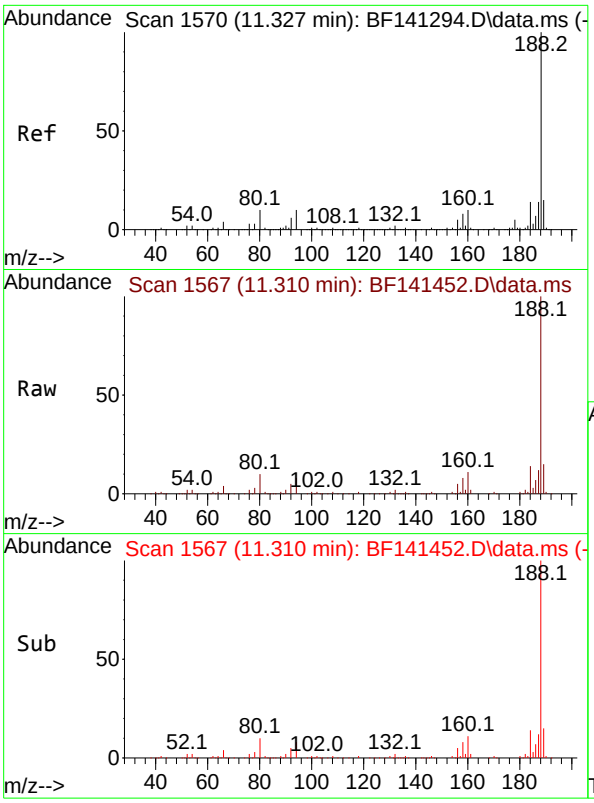


#45
2-Fluorobiphenyl
Concen: 109.127 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141452.D
Acq: 05 Feb 2025 17:35

Tgt Ion:172 Resp: 1041197

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.6	19.0	28.6



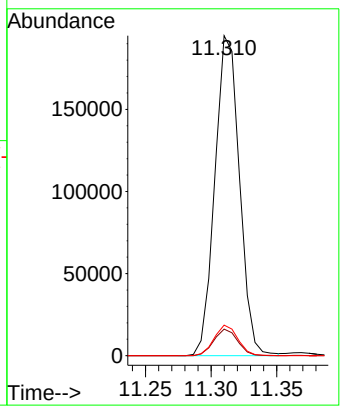


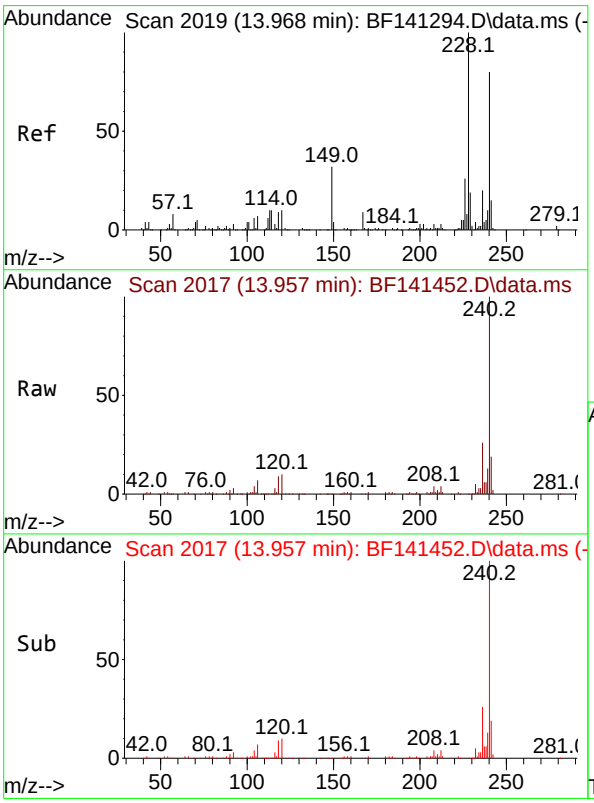
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141452.D
Acq: 05 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Tgt Ion:188 Resp: 254047

Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.8	11.6
80	9.5	8.2	12.4

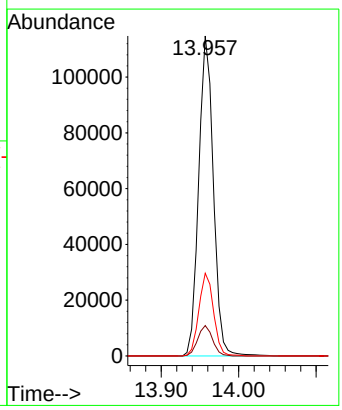


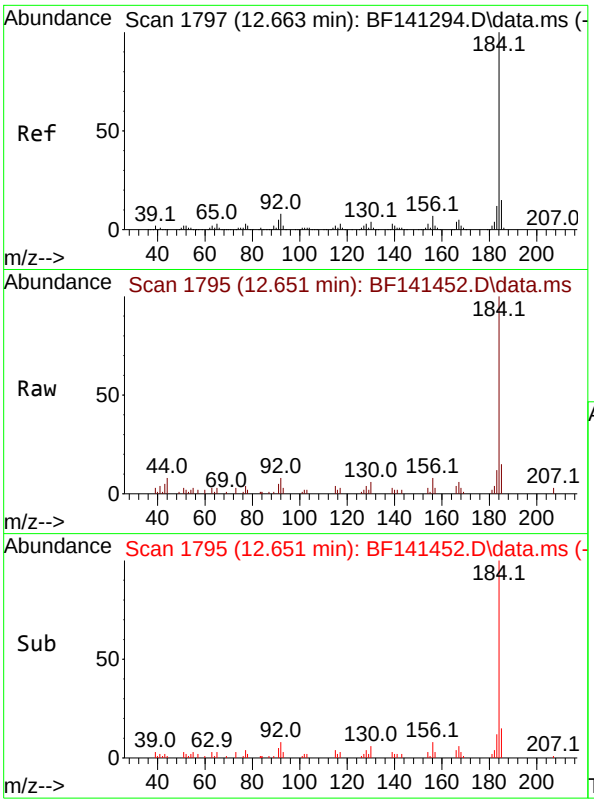


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141452.D
Acq: 05 Feb 2025 17:35

Tgt Ion:240 Resp: 150906

Ion	Ratio	Lower	Upper
240	100		
120	9.5	10.0	15.0#
236	25.8	19.7	29.5



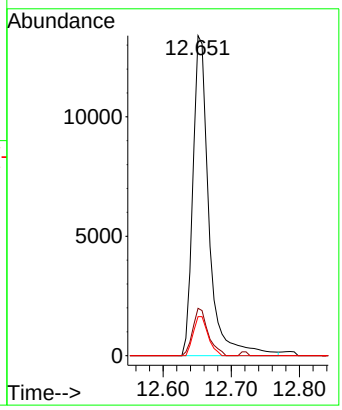


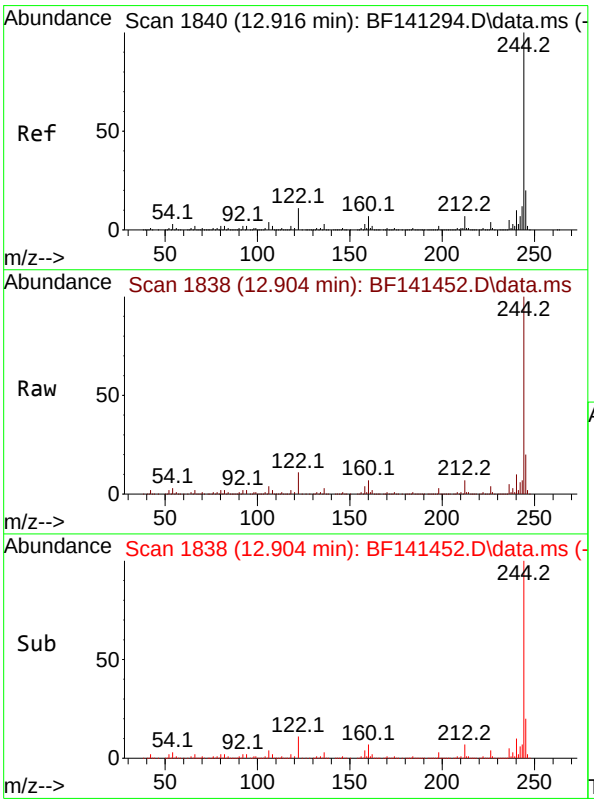
#77
Benzidine
Concen: 4.530 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141452.D
Acq: 05 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Tgt Ion:184 Resp: 21914

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.9	17.9
183	12.2	9.5	14.3

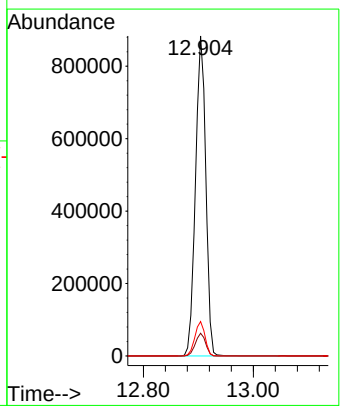


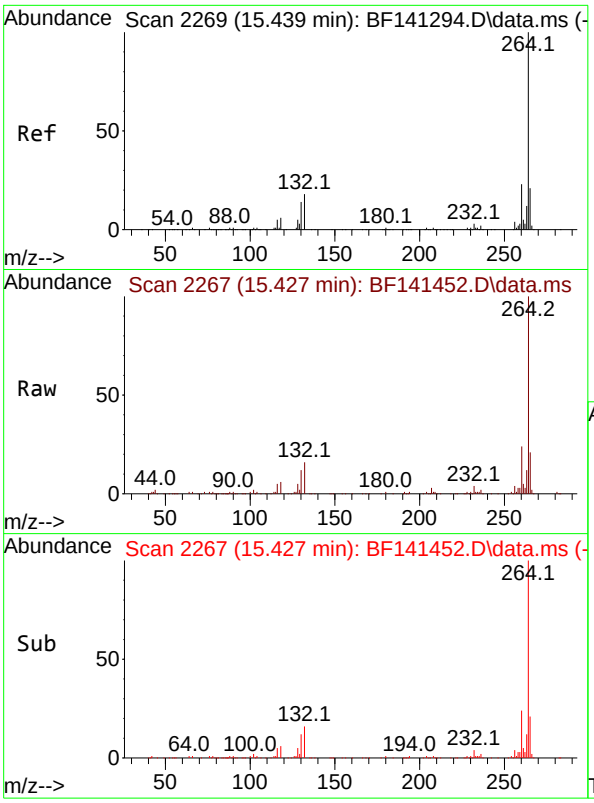


#79
Terphenyl-d14
Concen: 117.641 ng
RT: 12.904 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF141452.D
Acq: 05 Feb 2025 17:35

Tgt Ion:244 Resp: 1151139

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.8	8.8	13.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141452.D
Acq: 05 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Tgt Ion:264 Resp: 156406

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.1	16.7	25.1