Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141416.D
Acq On : 04 Feb 2025 18:41
Operator : RC/JU
Sample : Q1241-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Time: Feb 05 00:32:58 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	6.787	152	74884	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	293134	20.000	ng	#-0.02
39) Acenaphthene-d10	9.822	164	165955	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	299114	20.000	ng	-0.02
76) Chrysene-d12	13.951	240	278625	20.000	ng	-0.02
86) Perylene-d12	15.416	264	231582	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	651769	133.620	ng	0.01
7) Phenol-d6	6.428	99	752641	121.292	ng	-0.01
23) Nitrobenzene-d5	7.351	82	576479	103.673	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	266507	175.169	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1081498	100.306	ng	-0.02
79) Terphenyl-d14	12.904	244	1455130	80.541	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	7.793	122	11746m	3.694	ng	

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

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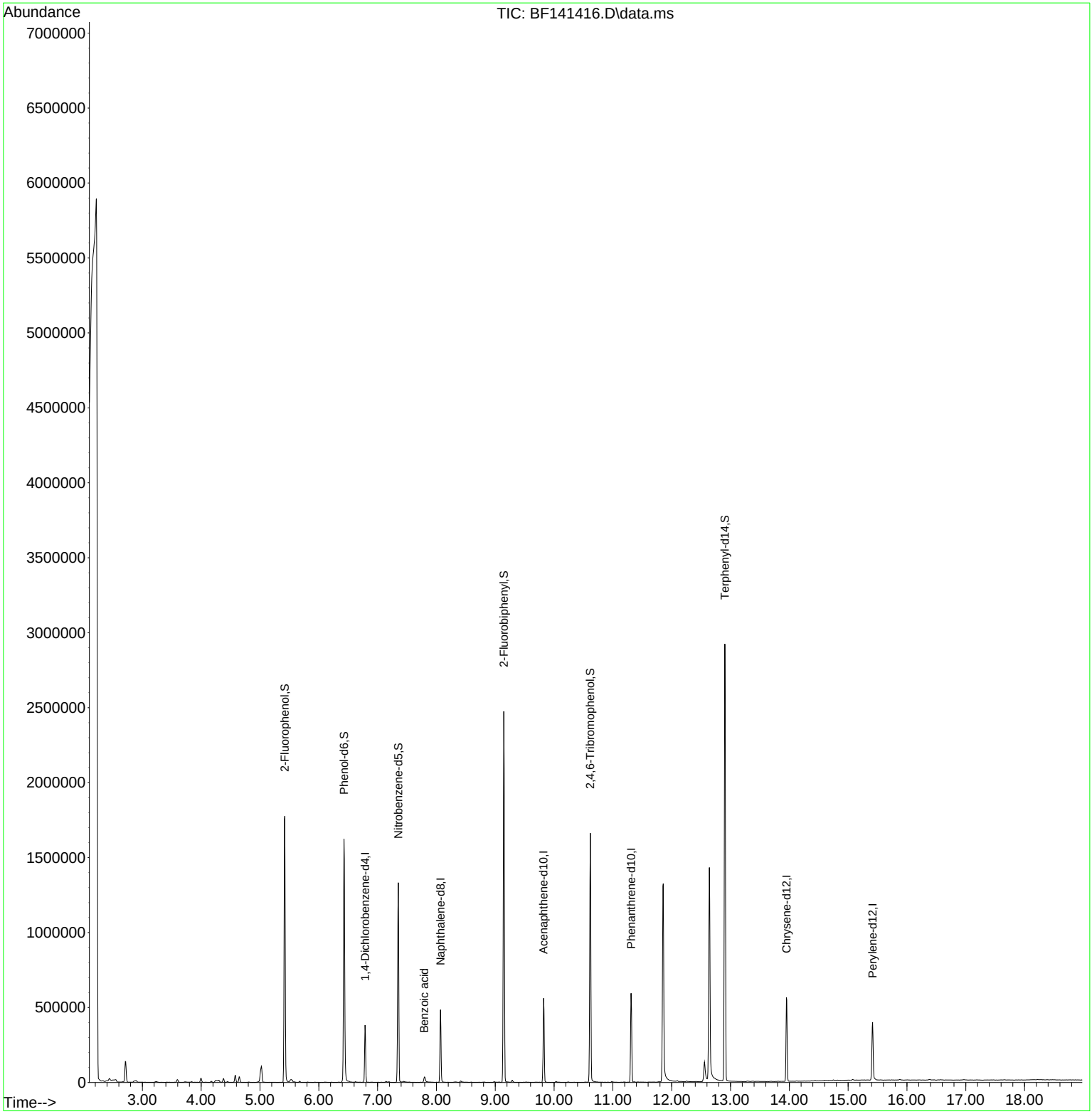
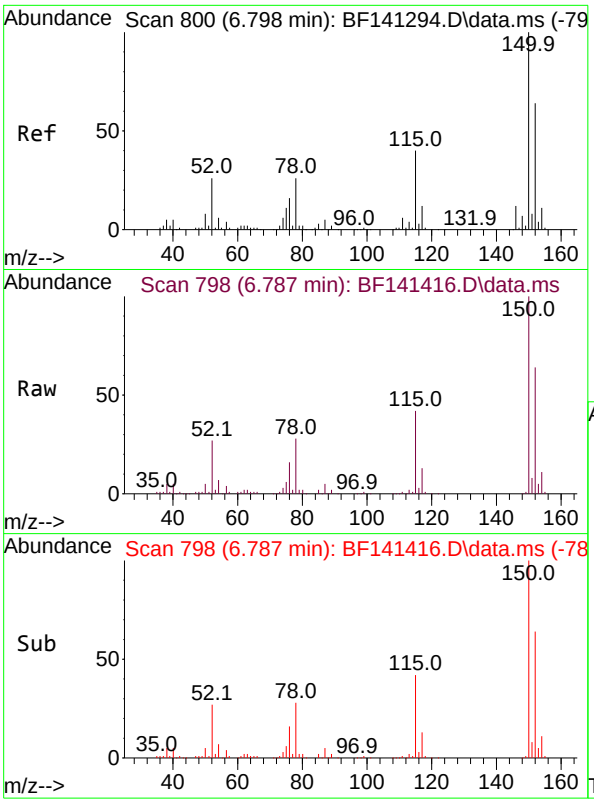


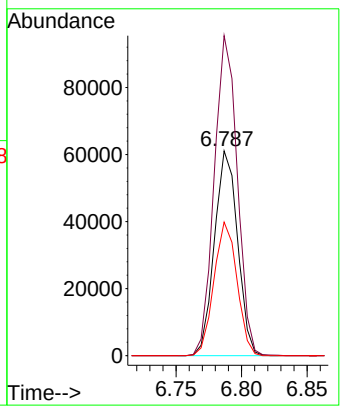


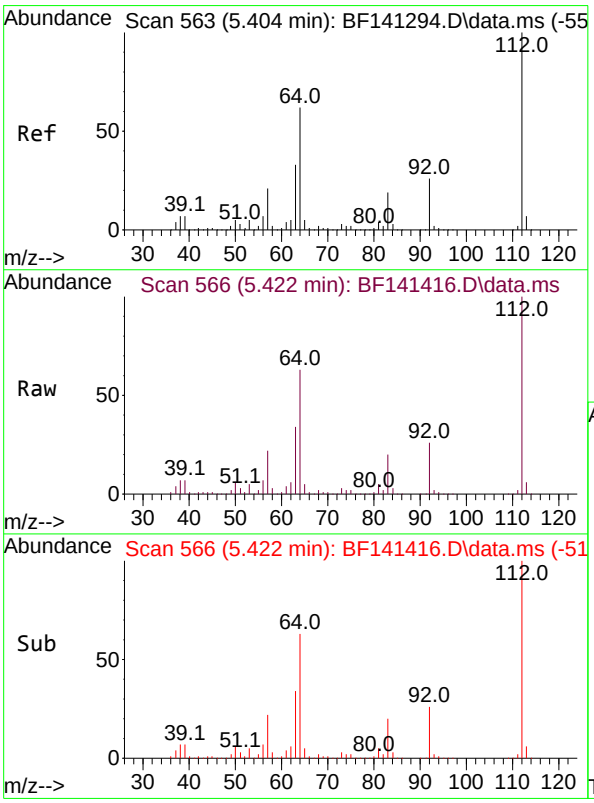
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141416.D
Acq: 04 Feb 2025 18:41

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Tgt Ion:152 Resp: 74884

Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.9	188.9
115	65.3	49.7	74.5

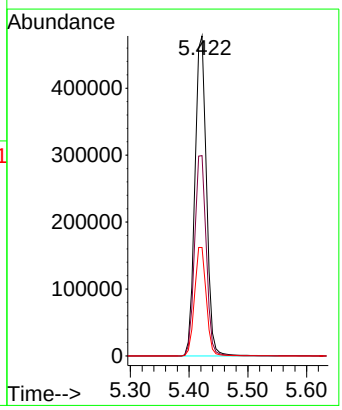


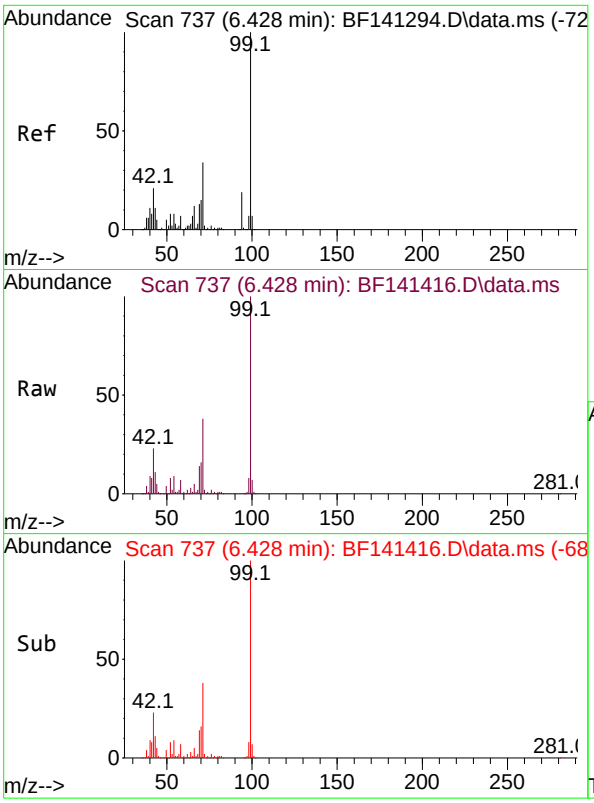


#5
2-Fluorophenol
Concen: 133.620 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141416.D
Acq: 04 Feb 2025 18:41

Tgt Ion:112 Resp: 651769

Ion	Ratio	Lower	Upper
112	100		
64	62.6	49.8	74.8
63	33.9	26.1	39.1



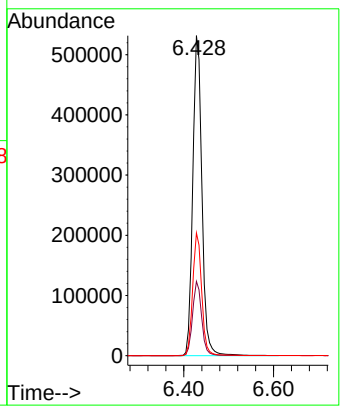


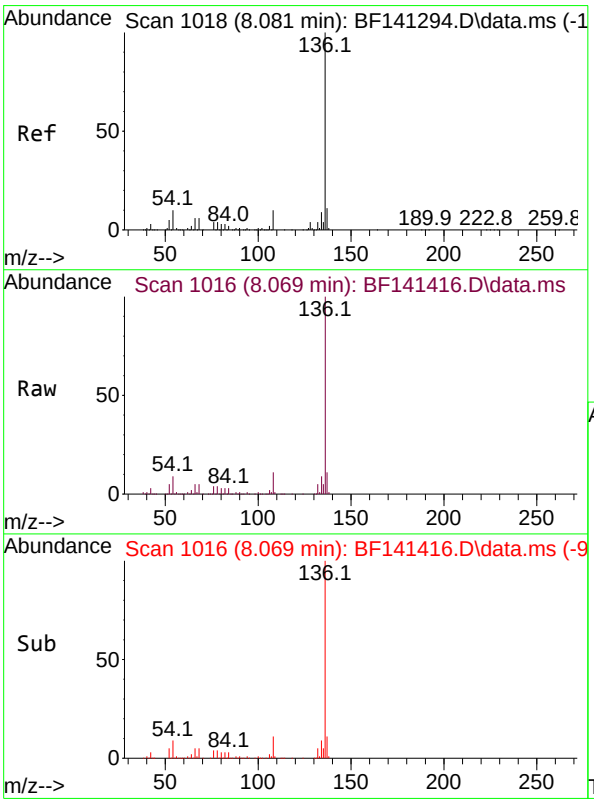
#7
Phenol-d6
Concen: 121.292 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141416.D
Acq: 04 Feb 2025 18:41

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Tgt Ion: 99 Resp: 752641

Ion	Ratio	Lower	Upper
99	100		
42	23.2	17.1	25.7
71	38.4	26.9	40.3

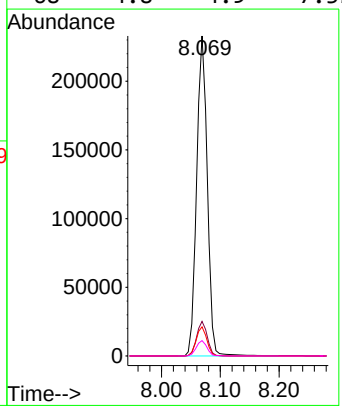


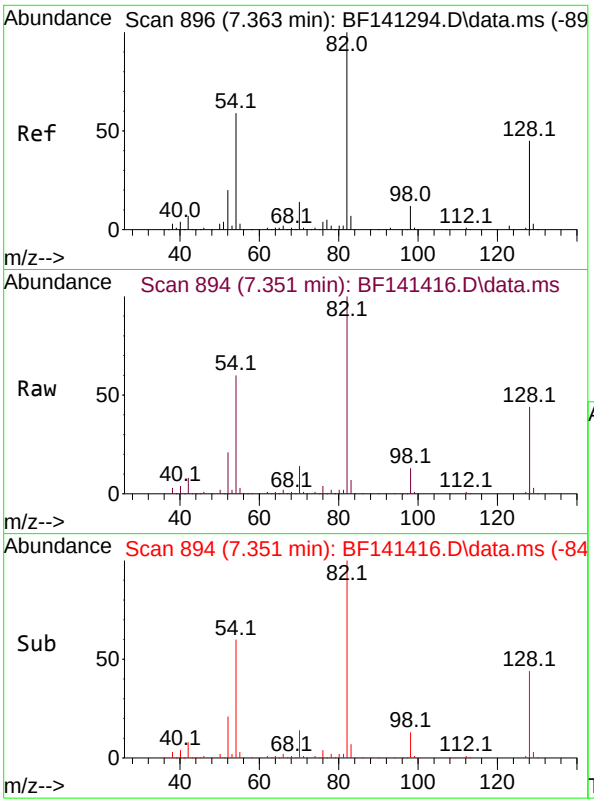


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141416.D
Acq: 04 Feb 2025 18:41

Tgt Ion:136 Resp: 293134

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.1	7.8	11.8
68	4.8	4.9	7.3#



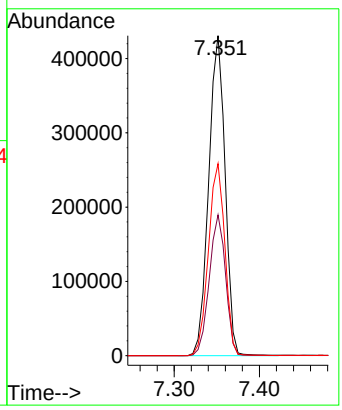


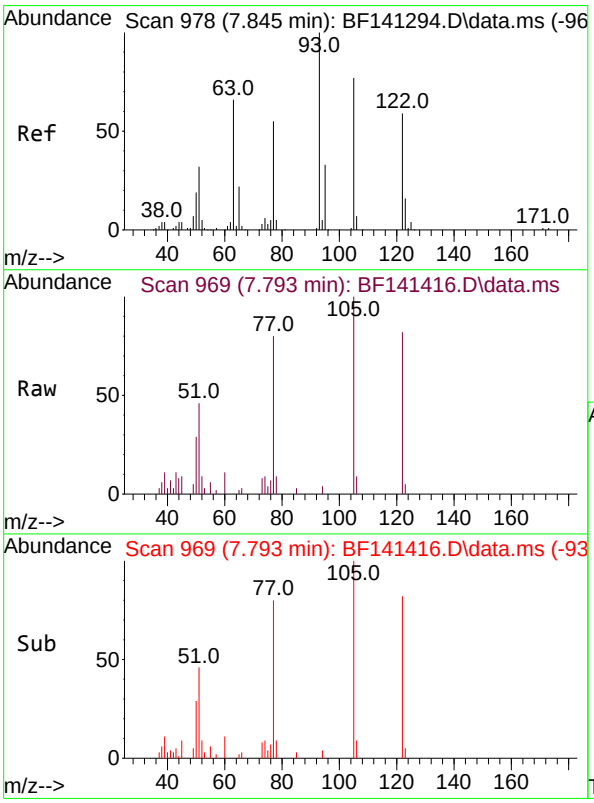
#23
Nitrobenzene-d5
Concen: 103.673 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141416.D
Acq: 04 Feb 2025 18:41

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Tgt Ion: 82 Resp: 576479

Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.7	53.5
54	60.0	47.1	70.7

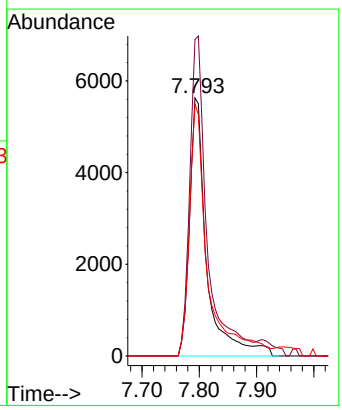


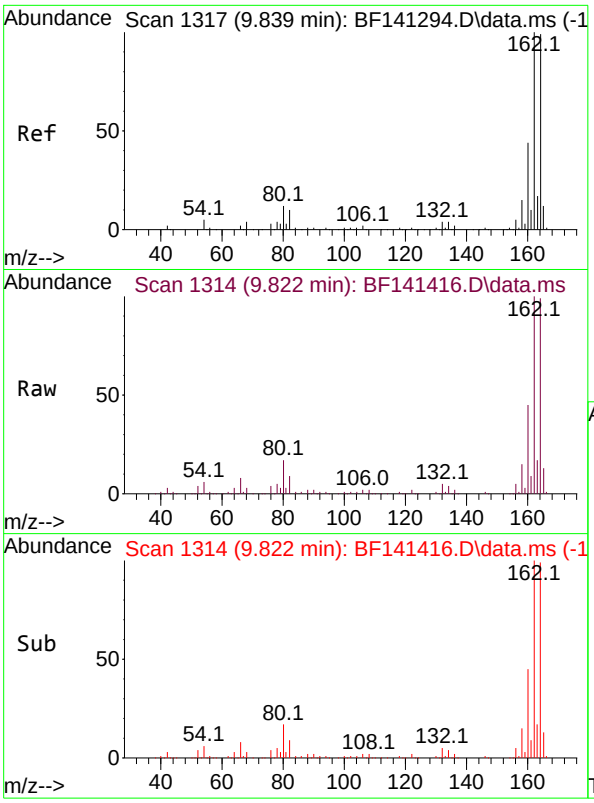


#32
Benzoic acid
Concen: 3.694 ng m
RT: 7.793 min Scan# 969
Delta R.T. -0.088 min
Lab File: BF141416.D
Acq: 04 Feb 2025 18:41

Tgt Ion:122 Resp: 11746

Ion	Ratio	Lower	Upper
122	100		
105	122.7	103.4	143.4
77	97.7	70.9	110.9



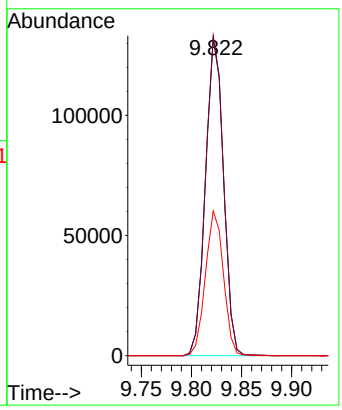


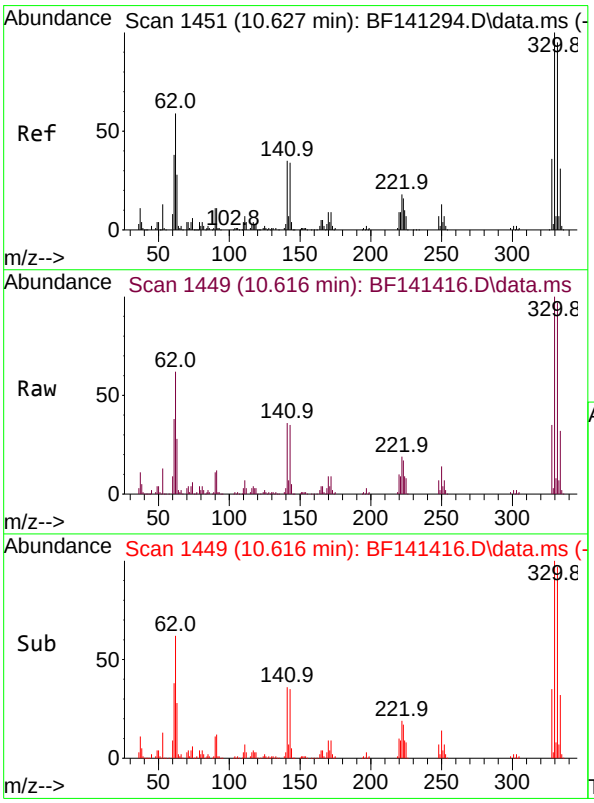
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141416.D
Acq: 04 Feb 2025 18:41

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Tgt Ion:164 Resp: 165955

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	121.0
160	45.6	35.8	53.6

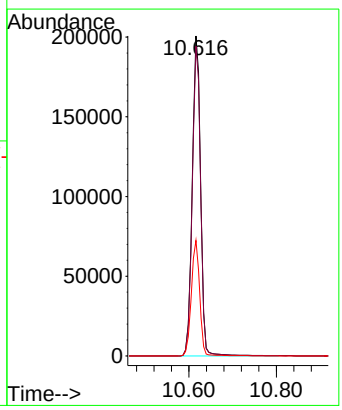


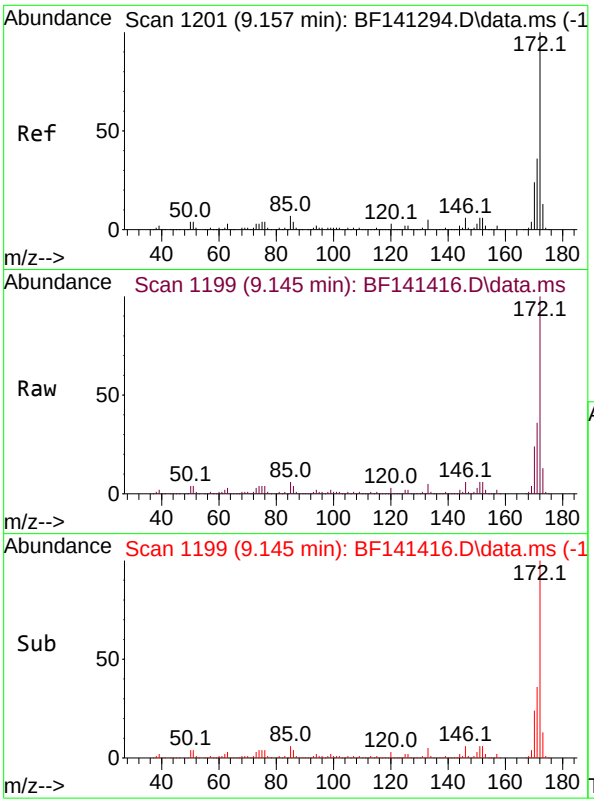


#42
2,4,6-Tribromophenol
Concen: 175.169 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF141416.D
Acq: 04 Feb 2025 18:41

Tgt Ion:330 Resp: 266507

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.1	114.1
141	36.0	28.8	43.2



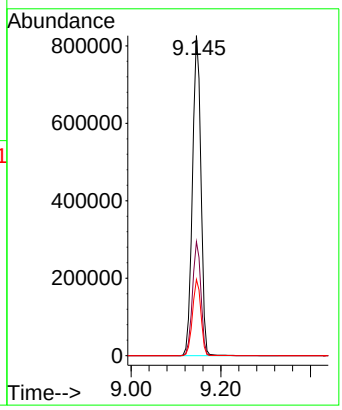


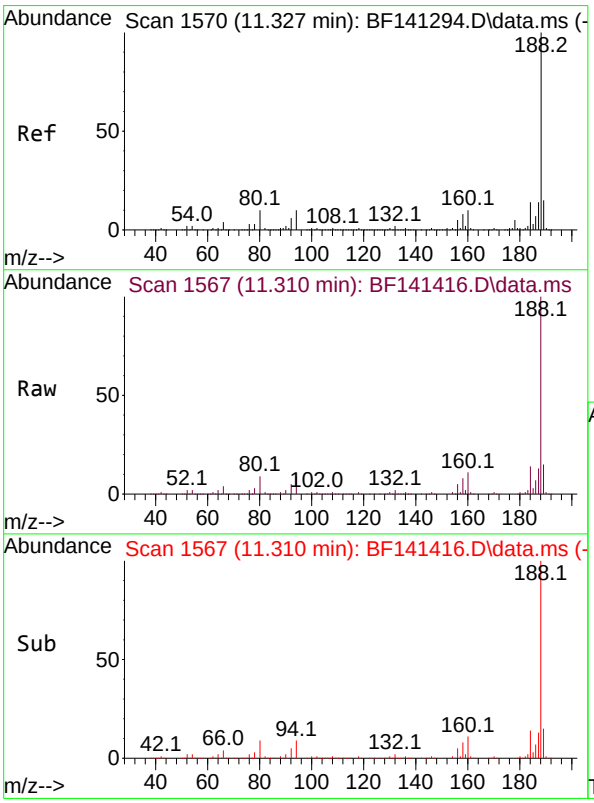
#45
2-Fluorobiphenyl
Concen: 100.306 ng
RT: 9.145 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141416.D
Acq: 04 Feb 2025 18:41

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Tgt Ion:172 Resp: 1081498

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.8	43.2
170	23.8	19.0	28.6

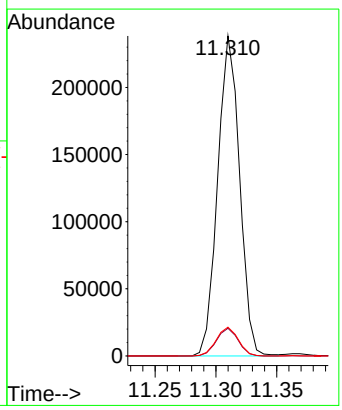


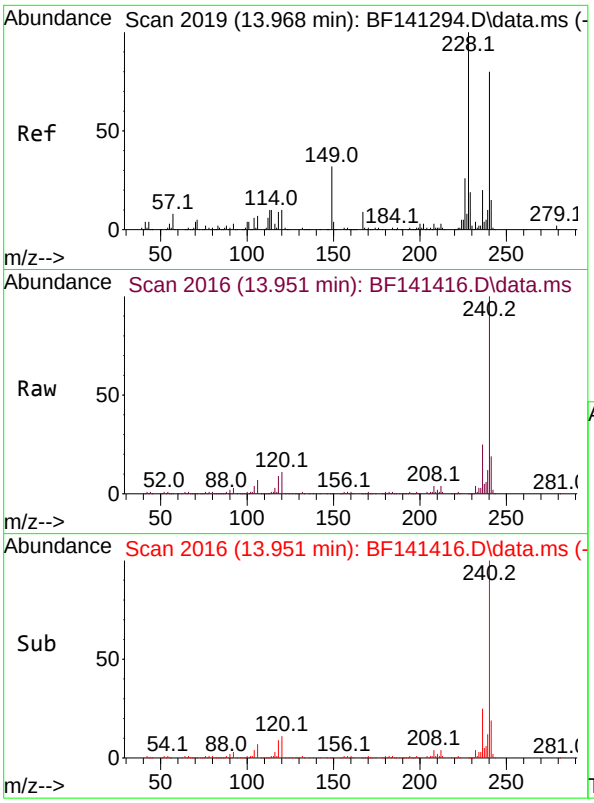


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.018 min
Lab File: BF141416.D
Acq: 04 Feb 2025 18:41

Tgt Ion:188 Resp: 299114

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.8	11.6
80	9.0	8.2	12.4



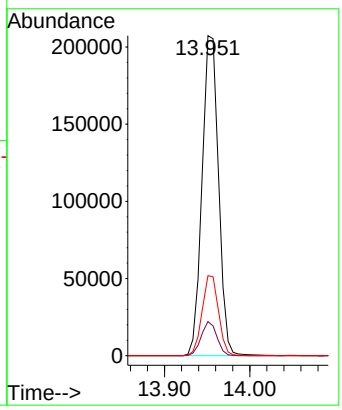


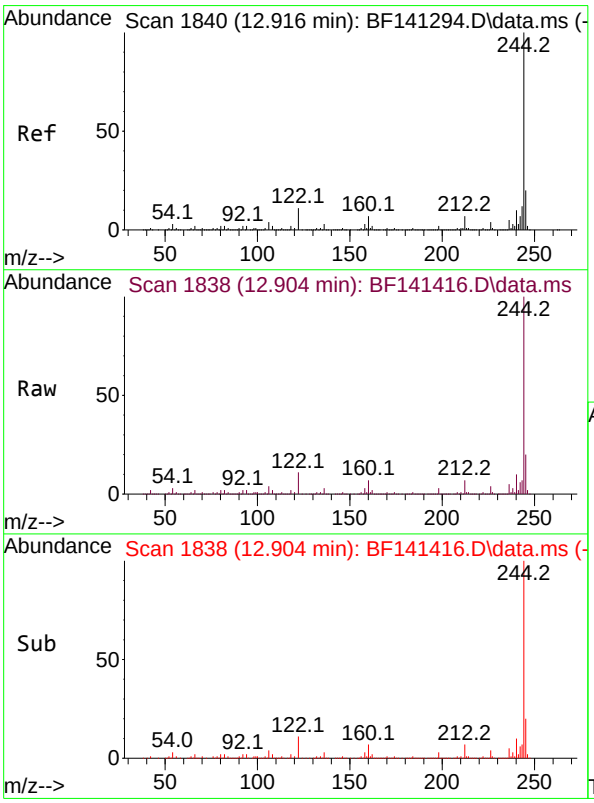
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141416.D
Acq: 04 Feb 2025 18:41

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Tgt Ion:240 Resp: 278625

Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.0	15.0
236	25.0	19.7	29.5

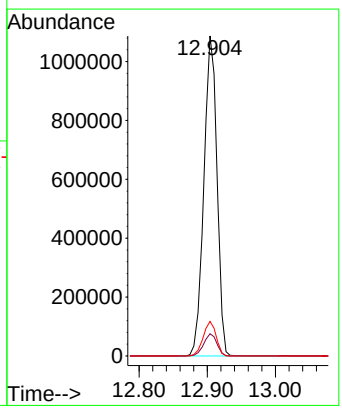


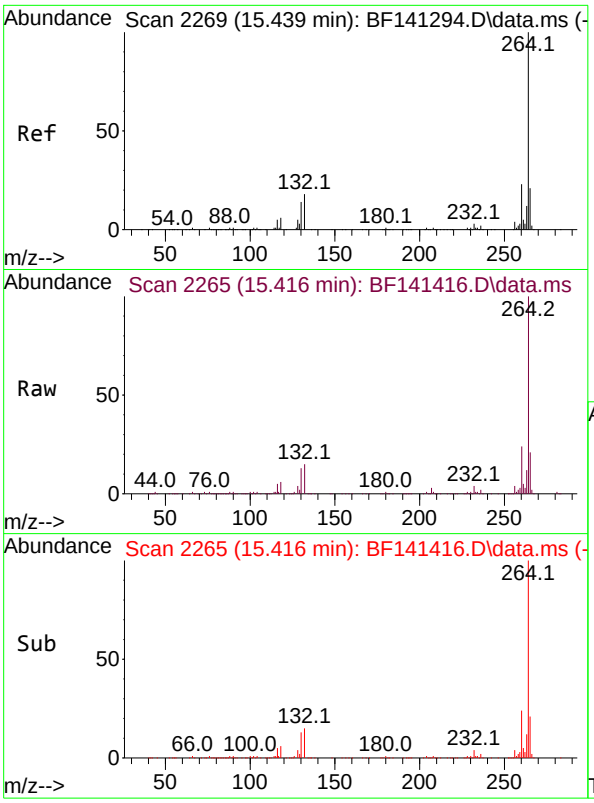


#79
Terphenyl-d14
Concen: 80.541 ng
RT: 12.904 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF141416.D
Acq: 04 Feb 2025 18:41

Tgt Ion:244 Resp: 1455130

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.8	8.8	13.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141416.D
Acq: 04 Feb 2025 18:41

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Tgt Ion:264 Resp: 231582

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	27.8
265	21.4	16.7	25.1