Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139934.D
Acq On : 22 Oct 2024 17:58
Operator : RC/JU
Sample : P4443-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

Quant Time: Oct 22 18:52:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	159946	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	617451	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	338141	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	530553	20.000	ng	0.00
76) Chrysene-d12	14.051	240	336688	20.000	ng	0.00
86) Perylene-d12	15.527	264	373899	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1278019	125.087	ng	0.02
7) Phenol-d6	6.510	99	1523942	115.165	ng	0.00
23) Nitrobenzene-d5	7.451	82	1101445	98.868	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	439116	138.835	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1891968	92.472	ng	0.00
79) Terphenyl-d14	12.998	244	1738028	84.116	ng	0.00
Target Compounds						Qvalue
77) Benzidine	12.745	184	258098	46.619	ng	99

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

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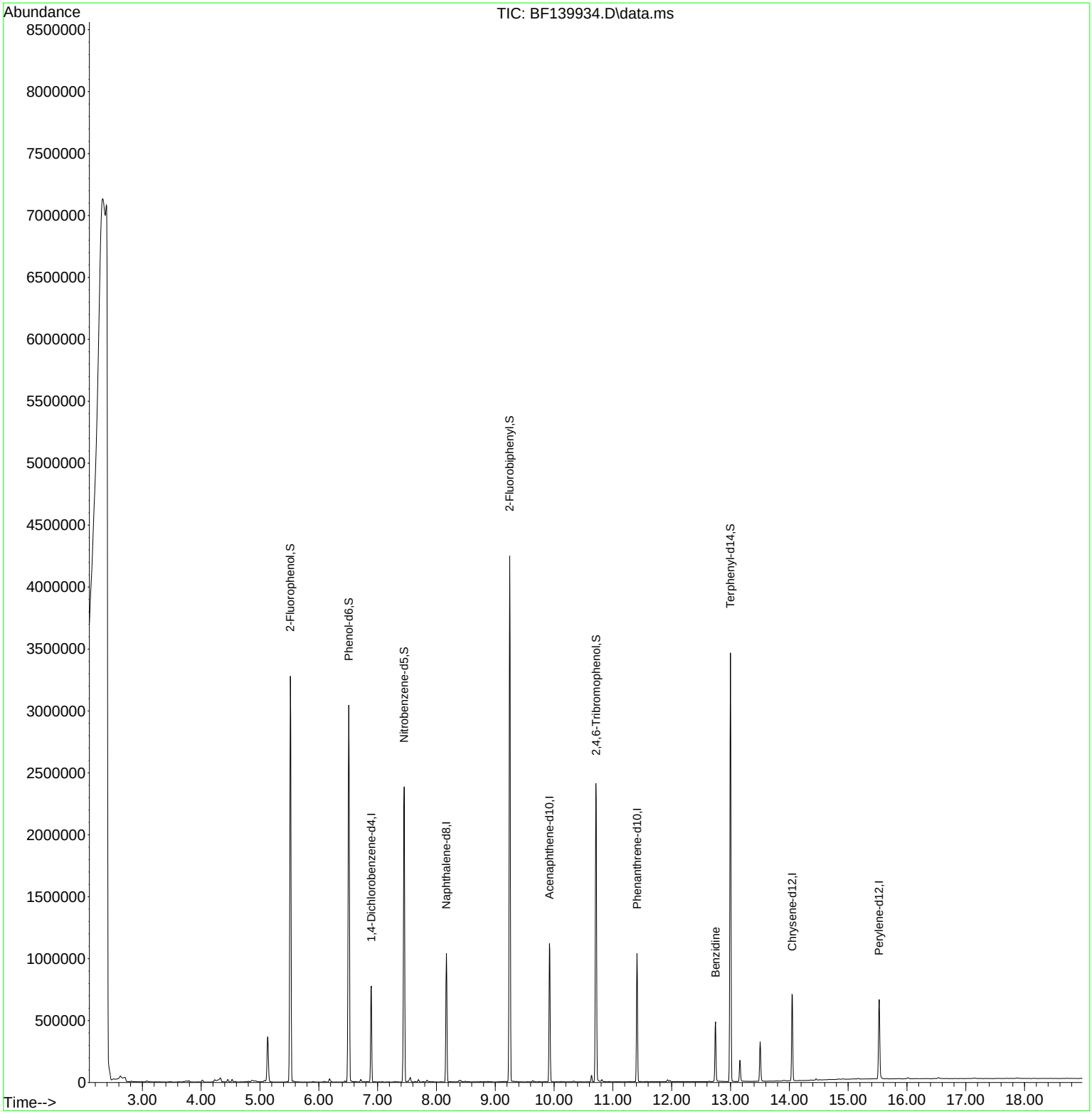
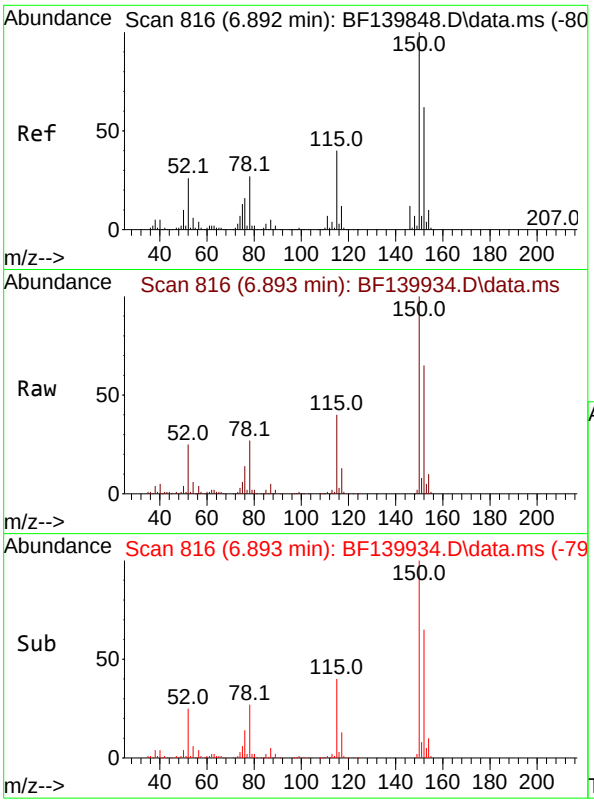


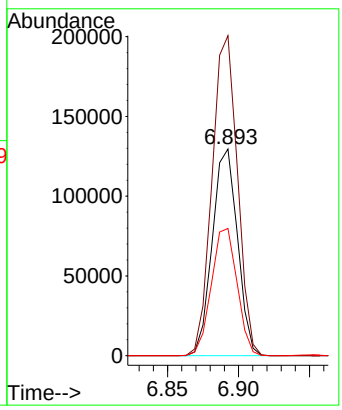


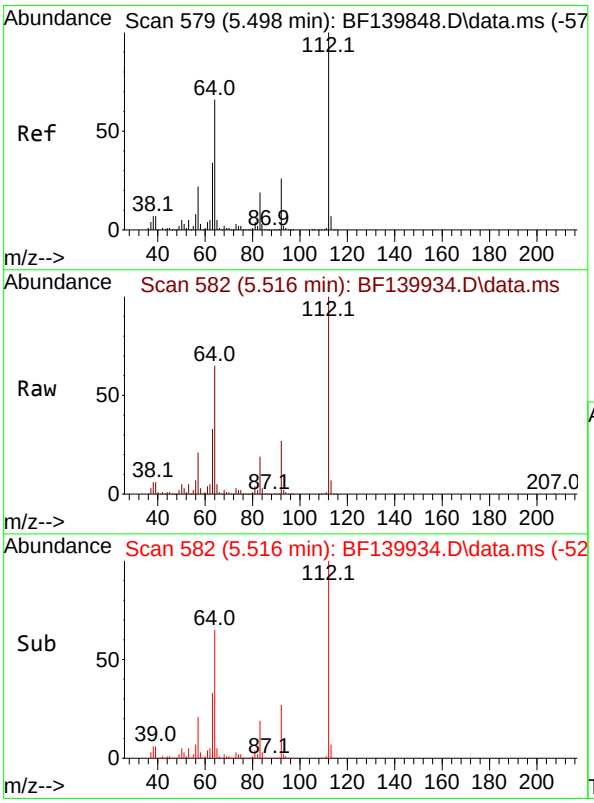
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF139934.D
Acq: 22 Oct 2024 17:58

Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

Tgt Ion:152 Resp: 159946

Ion	Ratio	Lower	Upper
152	100		
150	154.8	130.2	195.2
115	61.5	51.4	77.2

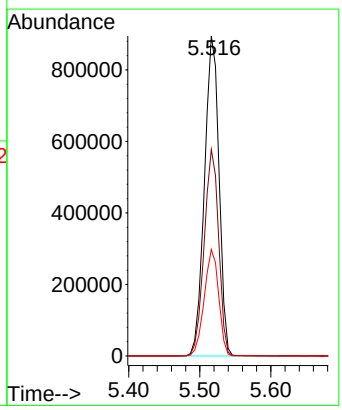


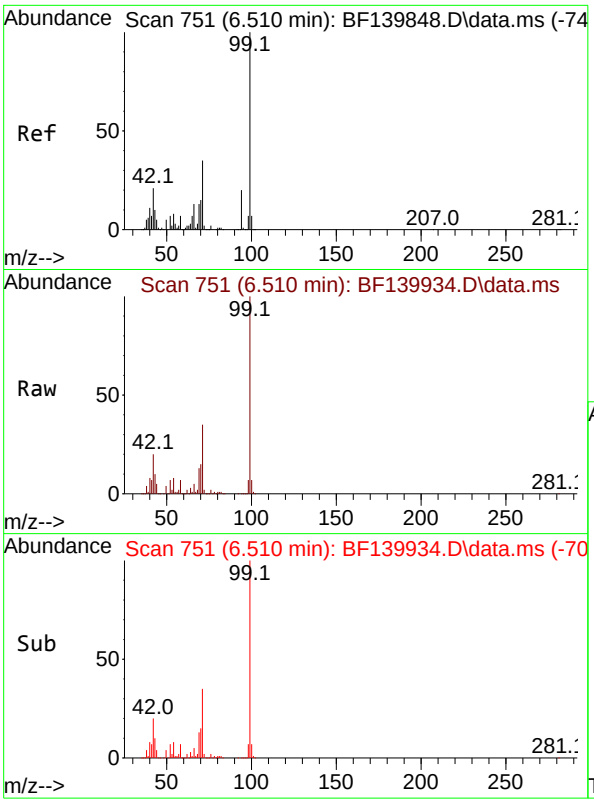


#5
2-Fluorophenol
Concen: 125.087 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF139934.D
Acq: 22 Oct 2024 17:58

Tgt Ion:112 Resp: 1278019

Ion	Ratio	Lower	Upper
112	100		
64	64.5	53.0	79.6
63	33.2	27.0	40.4



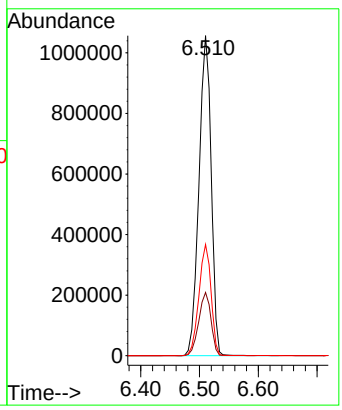


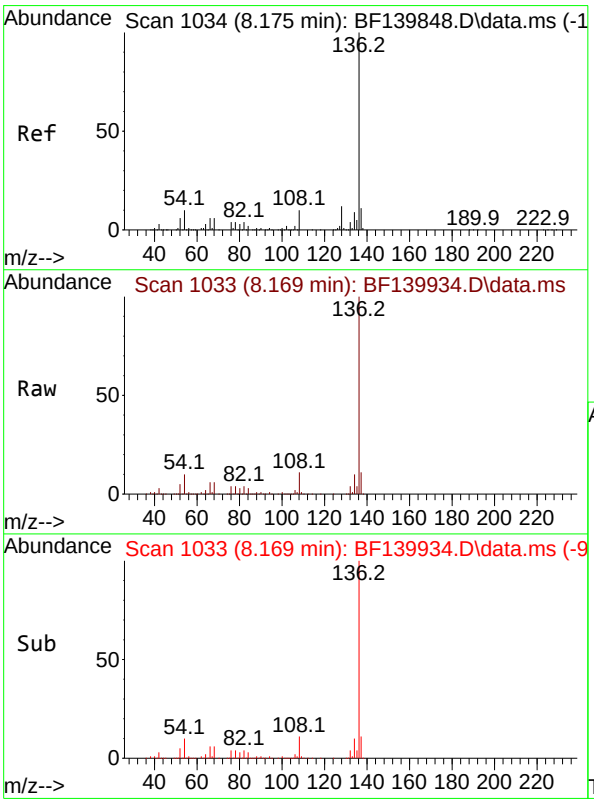
#7
Phenol-d6
Concen: 115.165 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139934.D
Acq: 22 Oct 2024 17:58

Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

Tgt Ion: 99 Resp: 1523942

Ion	Ratio	Lower	Upper
99	100		
42	19.8	16.7	25.1
71	34.7	27.7	41.5

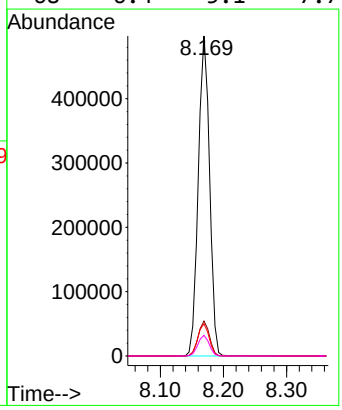


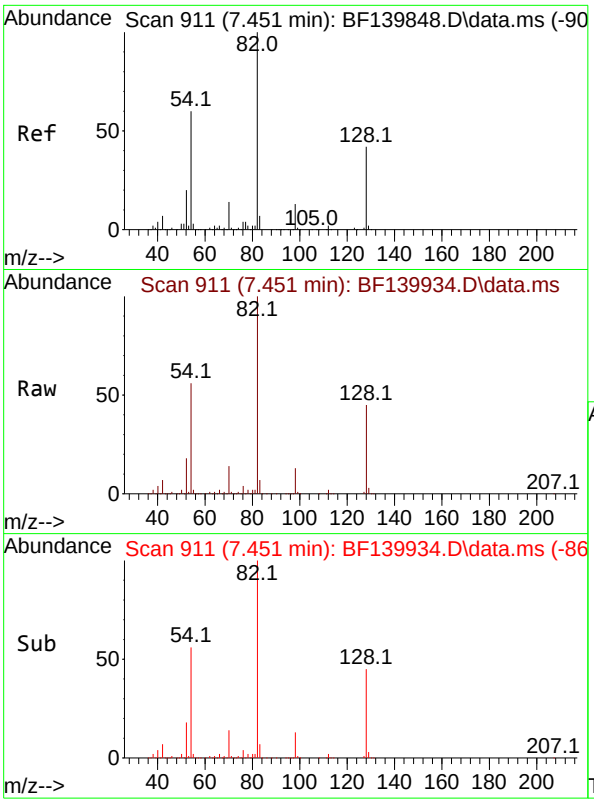


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139934.D
Acq: 22 Oct 2024 17:58

Tgt Ion:136 Resp: 617451

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	10.0	8.4	12.6
68	6.4	5.1	7.7



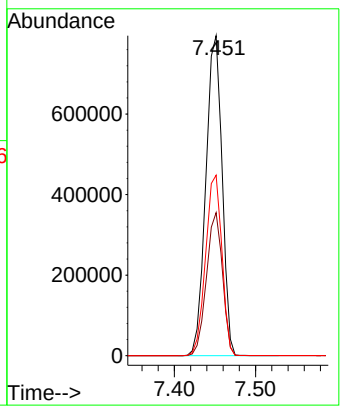


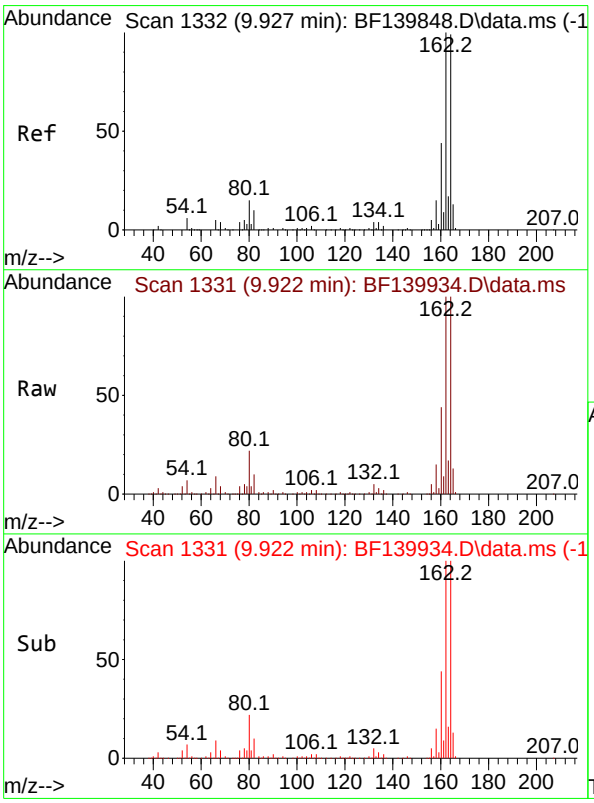
#23
Nitrobenzene-d5
Concen: 98.868 ng
RT: 7.451 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139934.D
Acq: 22 Oct 2024 17:58

Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

Tgt Ion: 82 Resp: 1101445

Ion	Ratio	Lower	Upper
82	100		
128	44.7	33.4	50.0
54	56.4	47.8	71.8

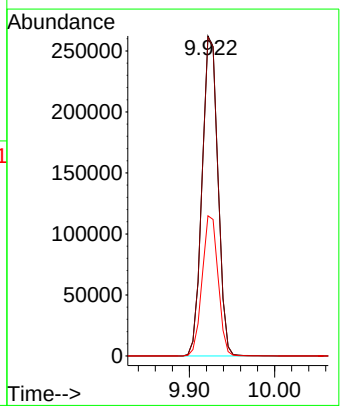


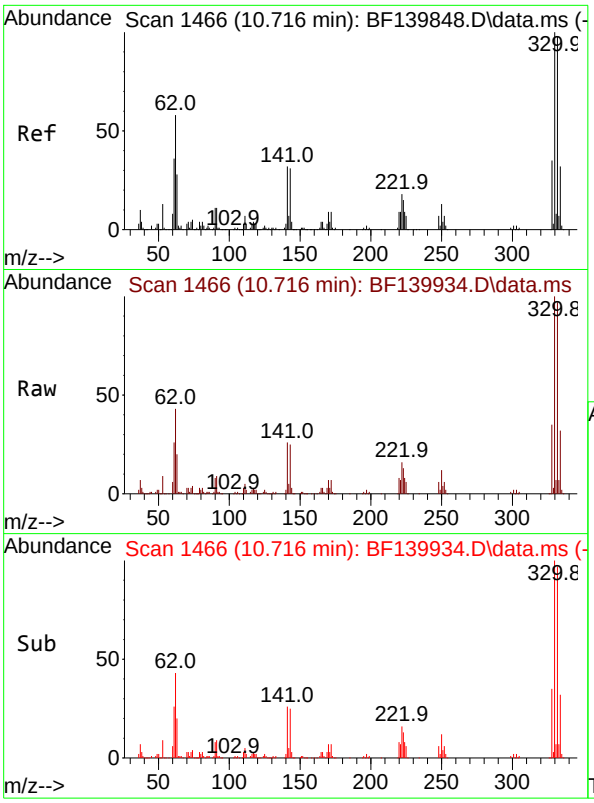


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF139934.D
Acq: 22 Oct 2024 17:58

Tgt Ion:164 Resp: 338141

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.0	121.4
160	43.8	35.4	53.0



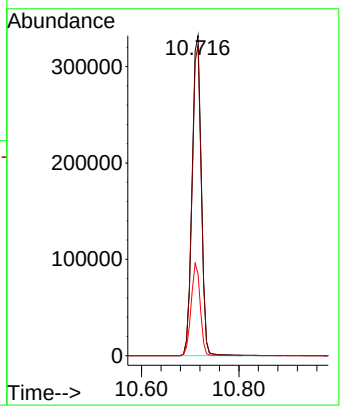


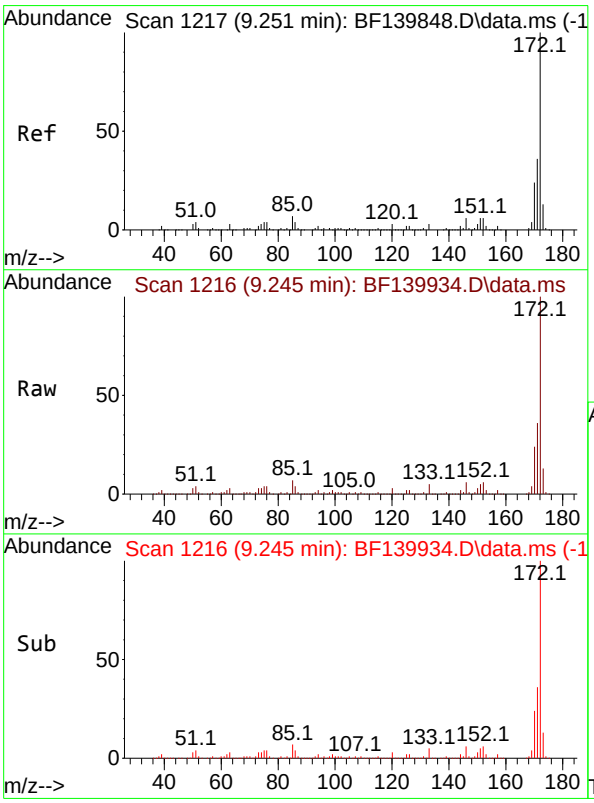
#42
2,4,6-Tribromophenol
Concen: 138.835 ng
RT: 10.716 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139934.D
Acq: 22 Oct 2024 17:58

Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

Tgt Ion:330 Resp: 439116

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.1	117.1
141	28.5	26.6	39.8

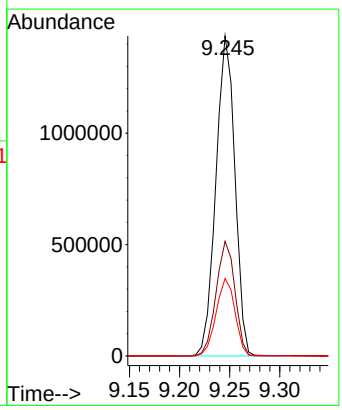


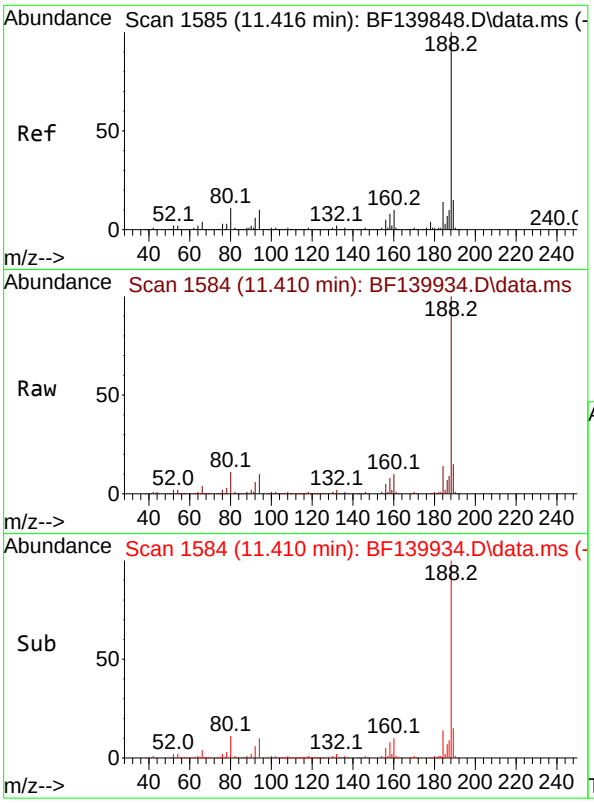


#45
2-Fluorobiphenyl
Concen: 92.472 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139934.D
Acq: 22 Oct 2024 17:58

Tgt Ion:172 Resp: 1891968

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.2	19.1	28.7



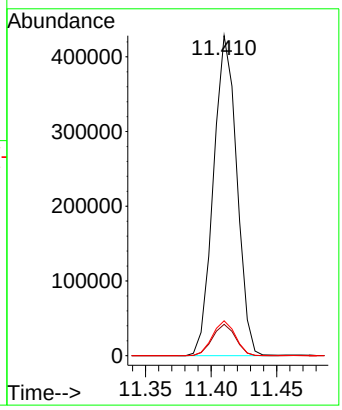


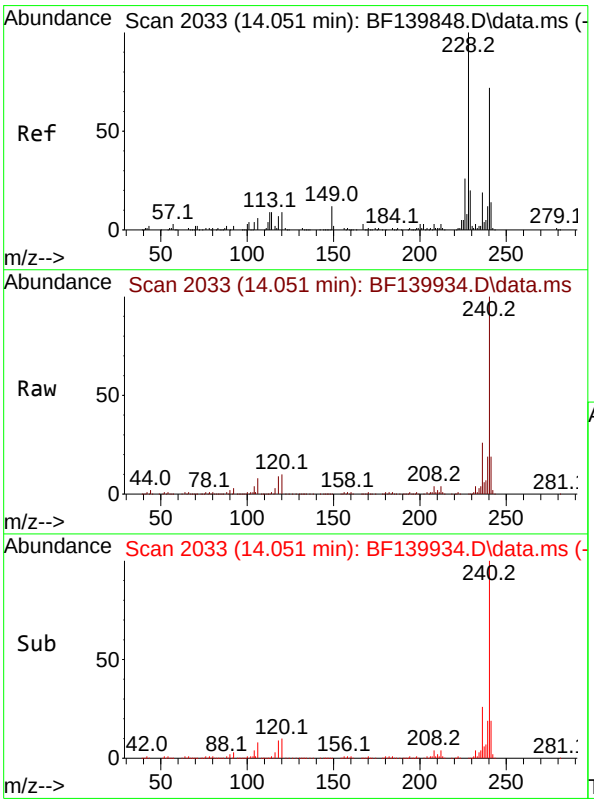
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139934.D
Acq: 22 Oct 2024 17:58

Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

Tgt Ion:188 Resp: 530553

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.9	11.9
80	10.9	9.0	13.4

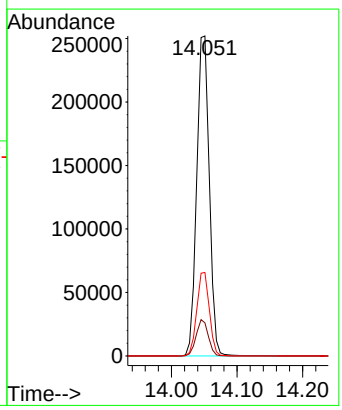


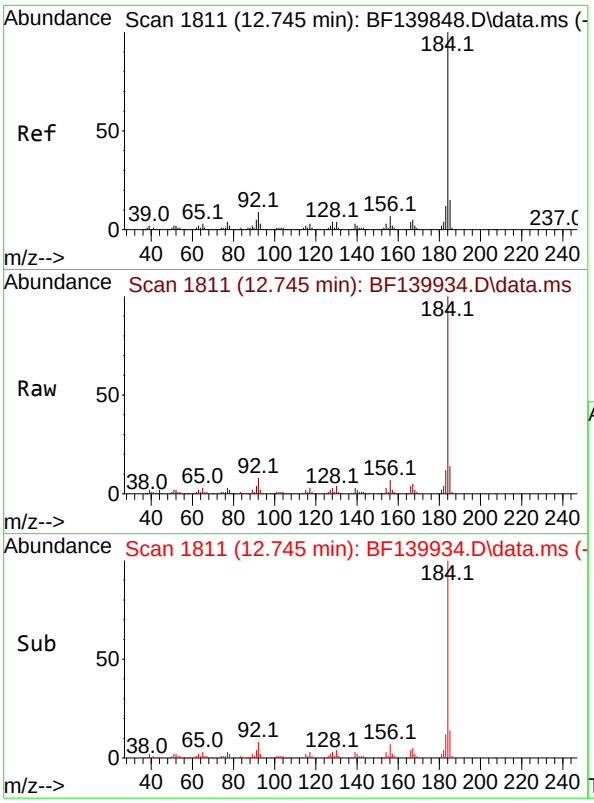


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139934.D
Acq: 22 Oct 2024 17:58

Tgt Ion:240 Resp: 336688

Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.4	14.2
236	26.1	20.9	31.3



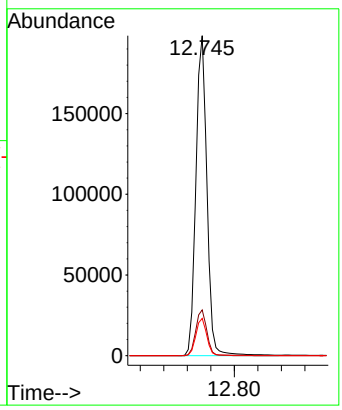


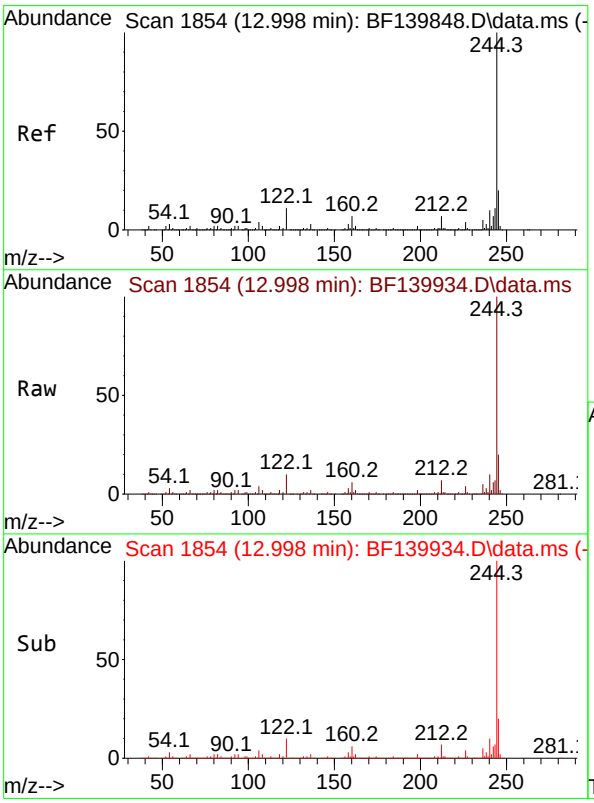
#77
Benzidine
Concen: 46.619 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139934.D
Acq: 22 Oct 2024 17:58

Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

Tgt Ion:184 Resp: 258098

Ion	Ratio	Lower	Upper
184	100		
185	14.3	12.0	18.0
183	11.6	9.4	14.2

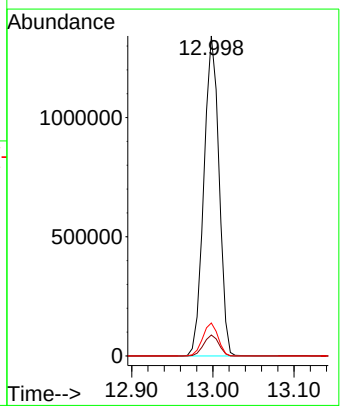


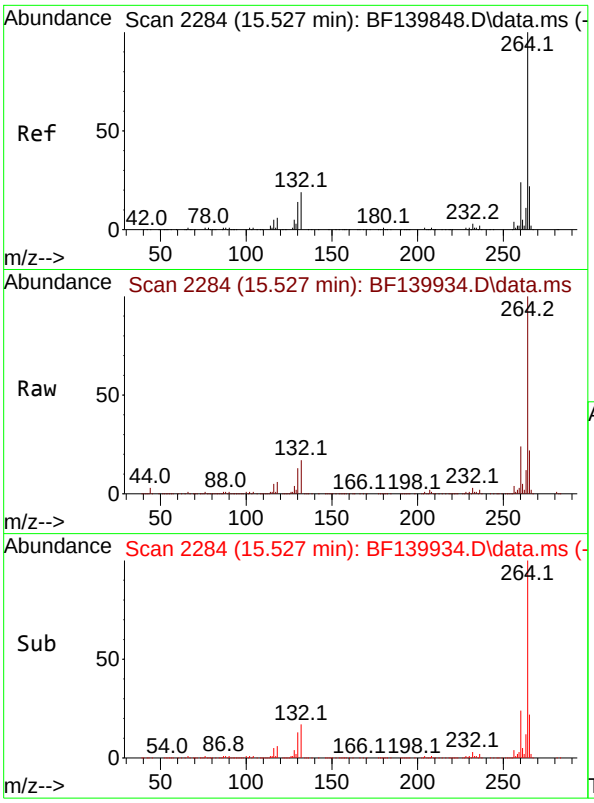


#79
Terphenyl-d14
Concen: 84.116 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139934.D
Acq: 22 Oct 2024 17:58

Tgt Ion:244 Resp: 1738028

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	10.3	8.6	13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139934.D
Acq: 22 Oct 2024 17:58

Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

Tgt Ion:264 Resp: 373899

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	21.8	17.4	26.0