Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031723\
Data File : BF132827.D
Acq On : 17 Mar 2023 17:17
Operator : CG\JU
Sample : 01908-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Quant Time: Mar 18 00:51:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 17 03:35:59 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	192861	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	747878	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	409753	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	807544	20.000	ng	0.00
76) Chrysene-d12	14.145	240	587188	20.000	ng	0.00
86) Perylene-d12	15.674	264	537375	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	1349565	118.078	ng	0.02
7) Phenol-d6	6.598	99	1574480	106.131	ng	0.00
23) Nitrobenzene-d5	7.528	82	1154956	79.030	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	549661	126.190	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1881920	75.446	ng	0.00
79) Terphenyl-d14	13.086	244	2578151	79.282	ng	0.00
Target Compounds						Qvalue
77) Benzidine	12.839	184	1213196	331.762	ng	97

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

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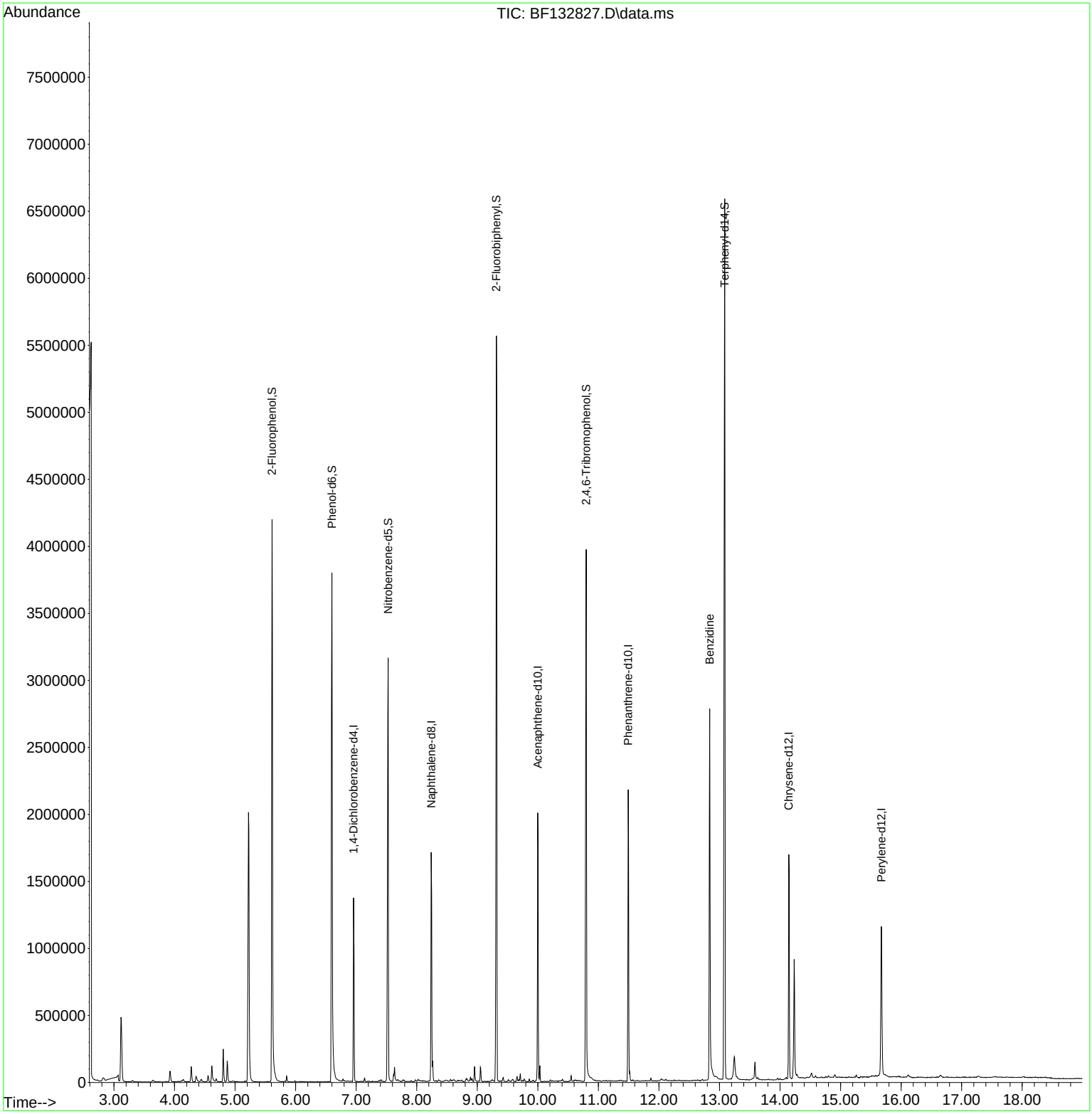
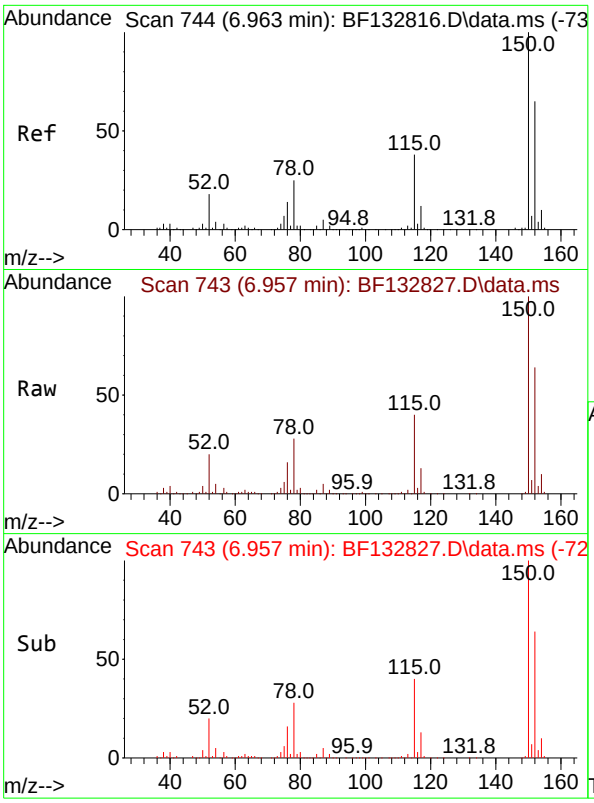


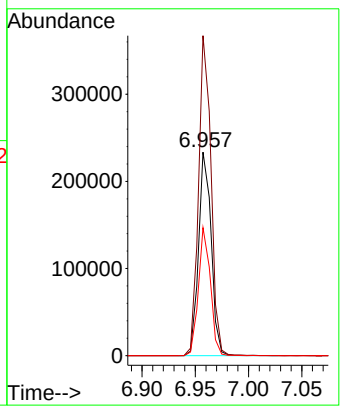


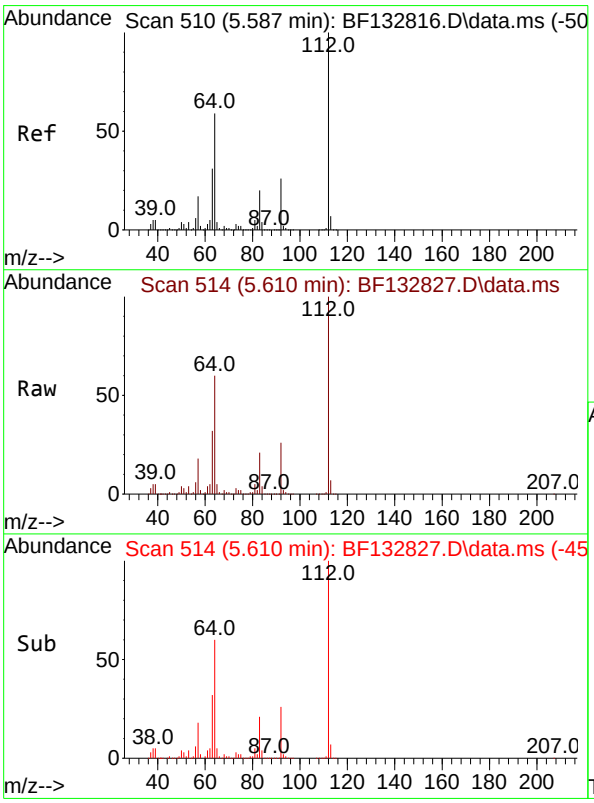
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF132827.D
Acq: 17 Mar 2023 17:17

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:152 Resp: 192861

Ion	Ratio	Lower	Upper
152	100		
150	157.2	122.7	184.1
115	62.9	46.2	69.4

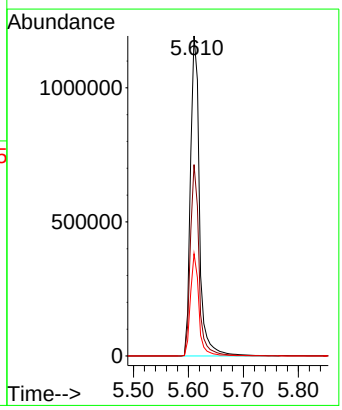


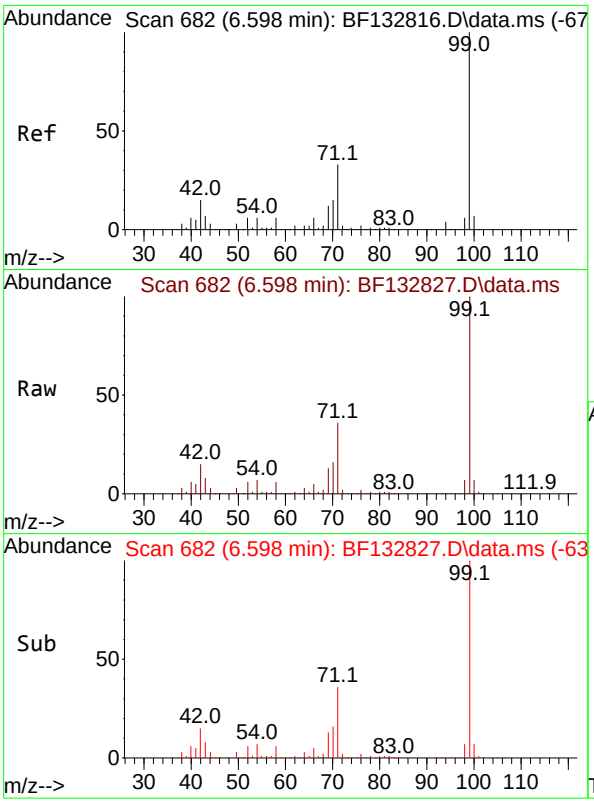


#5
2-Fluorophenol
Concen: 118.078 ng
RT: 5.610 min Scan# 514
Delta R.T. 0.024 min
Lab File: BF132827.D
Acq: 17 Mar 2023 17:17

Tgt Ion:112 Resp: 1349565

Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.1	70.7
63	31.9	24.4	36.6



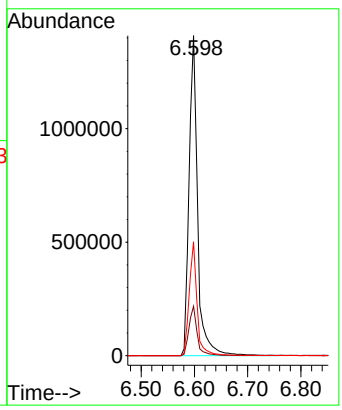


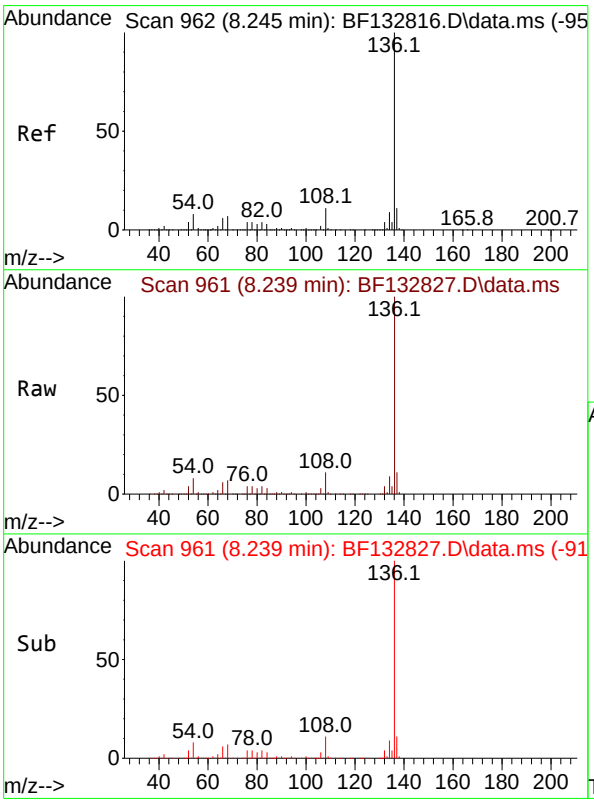
#7
Phenol-d6
Concen: 106.131 ng
RT: 6.598 min Scan# 6
Delta R.T. 0.000 min
Lab File: BF132827.D
Acq: 17 Mar 2023 17:17

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion: 99 Resp: 1574480

Ion	Ratio	Lower	Upper
99	100		
42	15.5	11.9	17.9
71	35.6	26.3	39.5

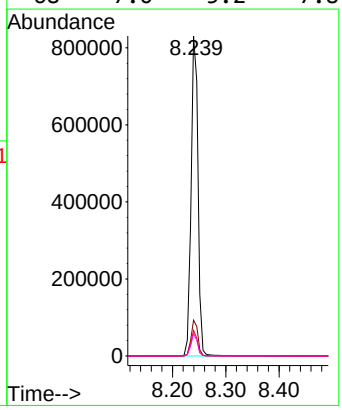


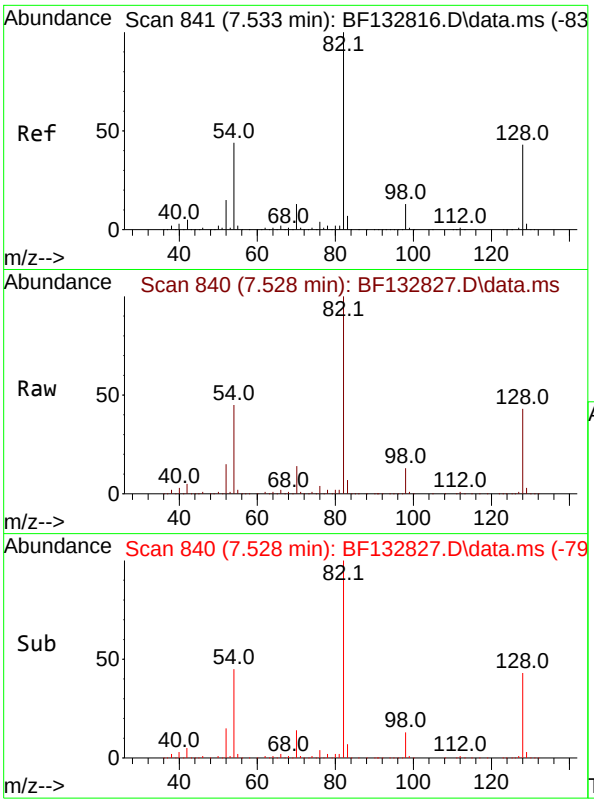


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 961
Delta R.T. -0.006 min
Lab File: BF132827.D
Acq: 17 Mar 2023 17:17

Tgt Ion:136 Resp: 747878

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	8.0	6.1	9.1
68	7.0	5.2	7.8



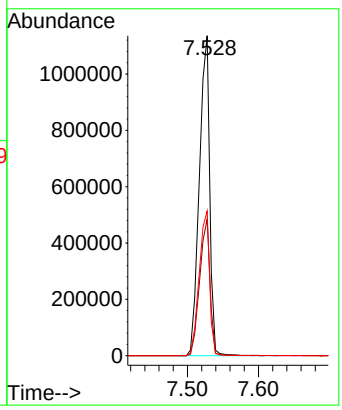


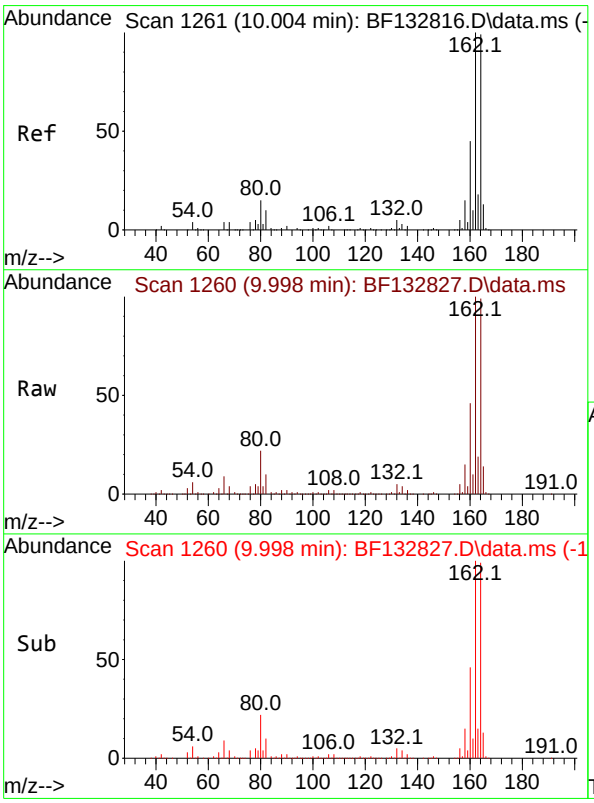
#23
Nitrobenzene-d5
Concen: 79.030 ng
RT: 7.528 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF132827.D
Acq: 17 Mar 2023 17:17

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion: 82 Resp: 1154956

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.4	51.6
54	45.2	35.2	52.8

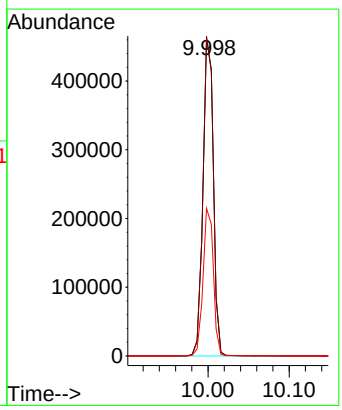


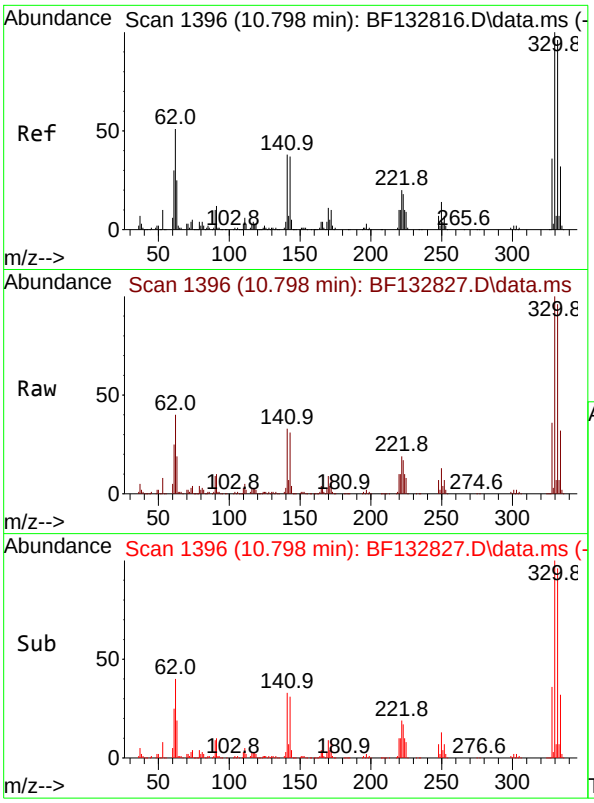


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BF132827.D
Acq: 17 Mar 2023 17:17

Tgt Ion:164 Resp: 409753

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	121.0
160	46.6	36.2	54.4



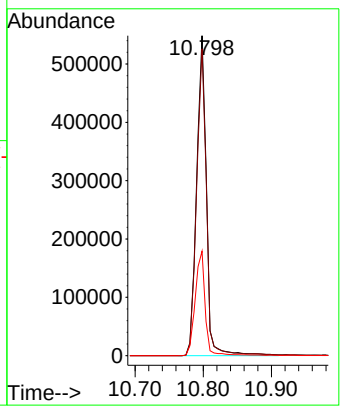


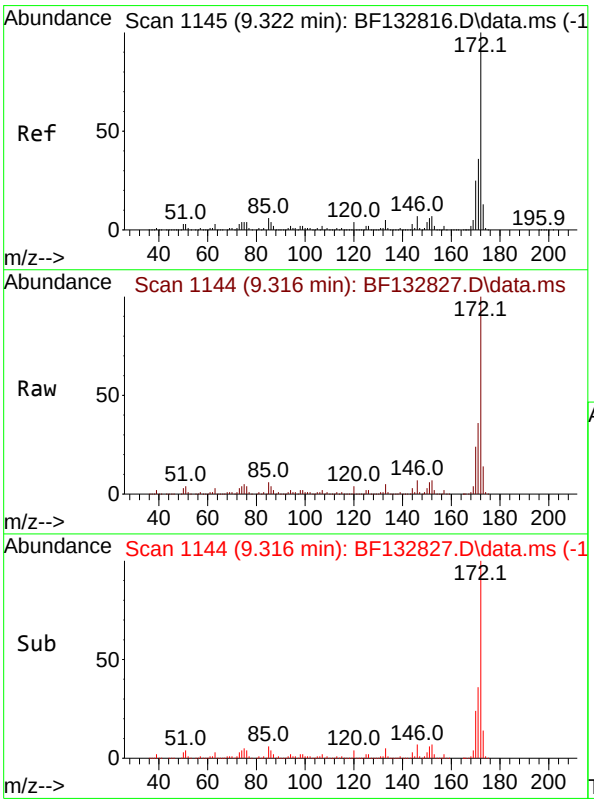
#42
2,4,6-Tribromophenol
Concen: 126.190 ng
RT: 10.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132827.D
Acq: 17 Mar 2023 17:17

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:330 Resp: 549661

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	33.5	26.7	40.1

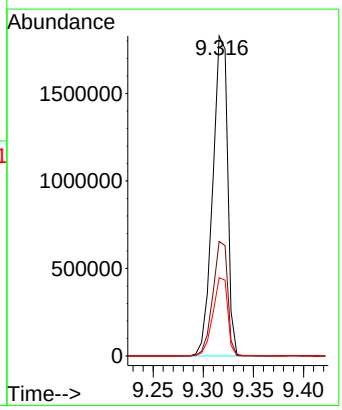


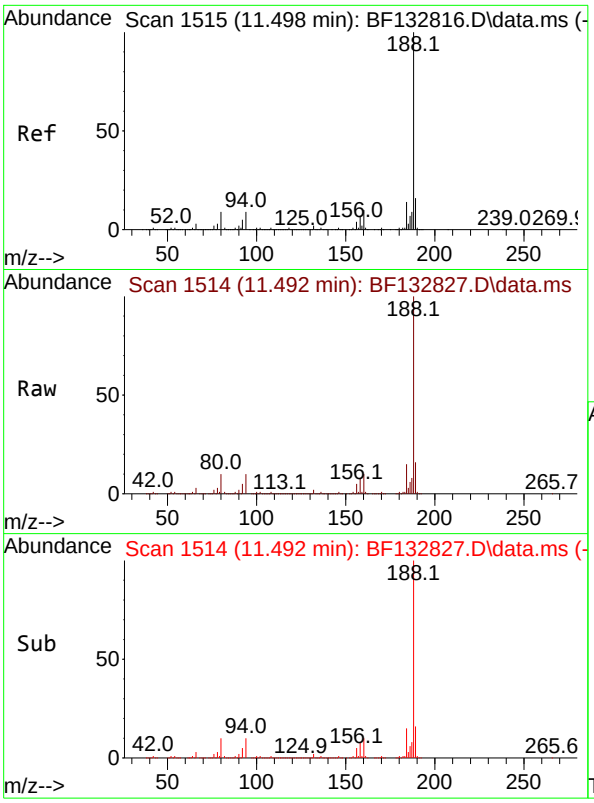


#45
2-Fluorobiphenyl
Concen: 75.446 ng
RT: 9.316 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF132827.D
Acq: 17 Mar 2023 17:17

Tgt Ion:172 Resp: 1881920

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	24.4	19.8	29.8



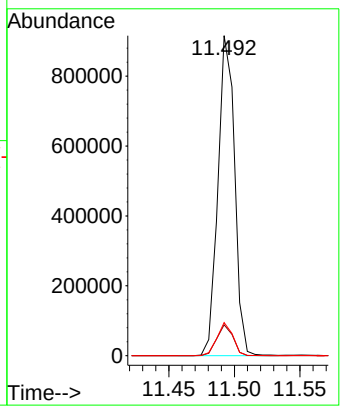


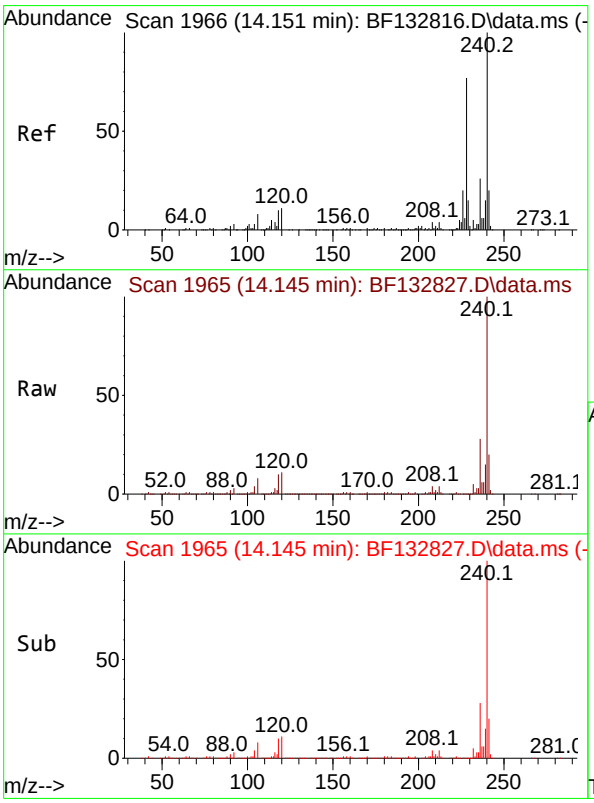
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132827.D
Acq: 17 Mar 2023 17:17

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:188 Resp: 807544

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.5	11.3
80	10.4	7.5	11.3

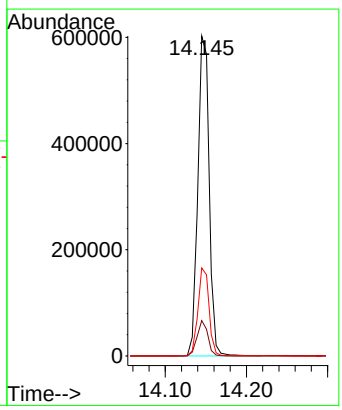


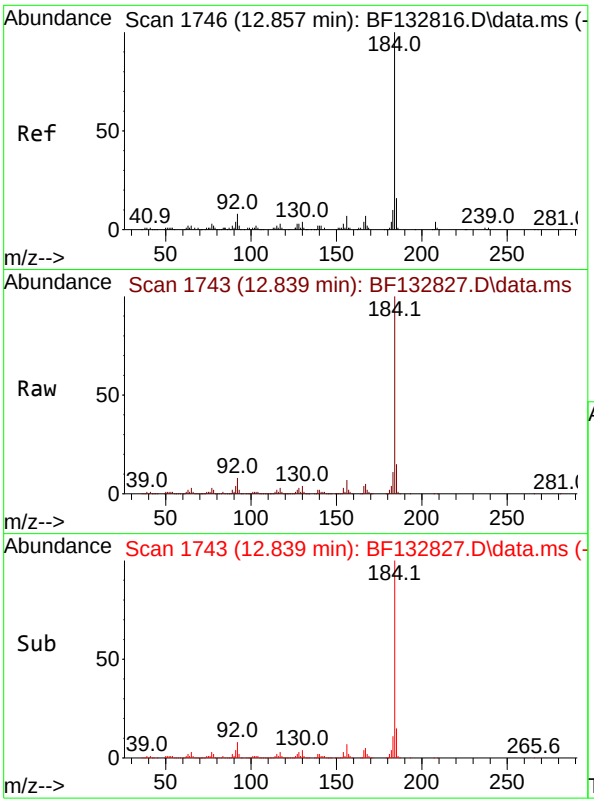


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BF132827.D
Acq: 17 Mar 2023 17:17

Tgt Ion:240 Resp: 587188

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.1	13.7
236	27.5	21.2	31.8



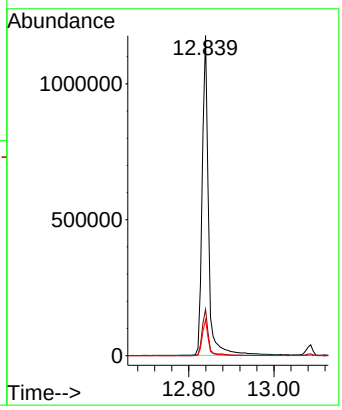


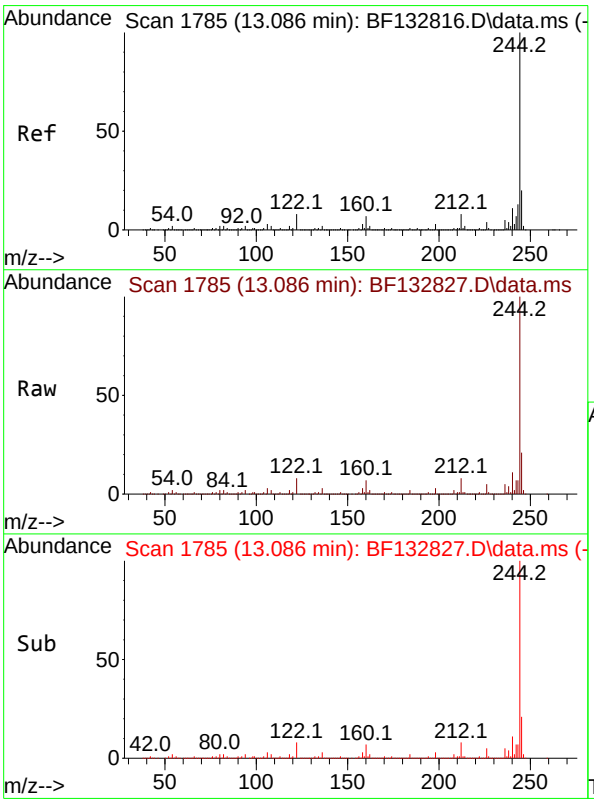
#77
Benzidine
Concen: 331.762 ng
RT: 12.839 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF132827.D
Acq: 17 Mar 2023 17:17

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:184 Resp: 1213196

Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.6	19.0
183	11.2	8.2	12.4

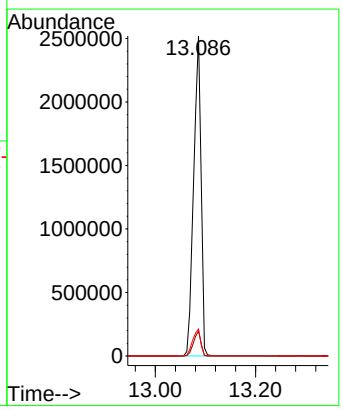


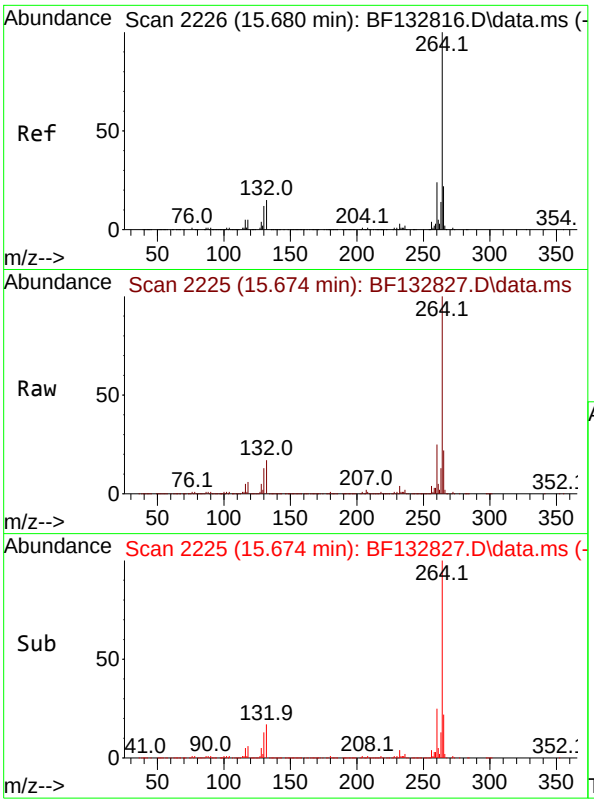


#79
Terphenyl-d14
Concen: 79.282 ng
RT: 13.086 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BF132827.D
Acq: 17 Mar 2023 17:17

Tgt Ion:244 Resp: 2578151

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.3	9.5
122	8.4	6.6	9.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.674 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF132827.D
Acq: 17 Mar 2023 17:17

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:264 Resp: 537375

Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.9	28.3
265	21.9	17.4	26.0