Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022119\
Data File : BF112646.D
Acq On : 21 Feb 2019 12:19
Operator : JU/SJ
Sample : K1528-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Time: Feb 21 13:08:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 21 12:57:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	89439	20.00	ng		0.00
21) Naphthalene-d8	8.11	136	336583	20.00	ng		0.00
39) Acenaphthene-d10	9.86	164	172698	20.00	ng		0.00
64) Phenanthrene-d10	11.35	188	333999	20.00	ng		0.00
76) Chrysene-d12	14.00	240	239112	20.00	ng		0.00
87) Perylene-d12	15.47	264	204682	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	144441	34.30	ng		0.03
7) Phenol-d6	6.49	99	220065	37.61	ng		0.01
23) Nitrobenzene-d5	7.40	82	526250	90.09	ng		0.00
42) 2,4,6-Tribromophenol	10.66	330	292720	145.62	ng		0.00
45) 2-Fluorobiphenyl	9.18	172	1131810	92.69	ng		0.00
79) Terphenyl-d14	12.93	244	1187908	93.57	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.15	128	5403411	343.290	ng		96
32) Benzoic acid	7.97	122	236839	96.660	ng		89
37) 2-Methylnaphthalene	8.82	142	1104388	102.492	ng	#	95
38) 1-Methylnaphthalene	8.92	142	458077	44.353	ng		97

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

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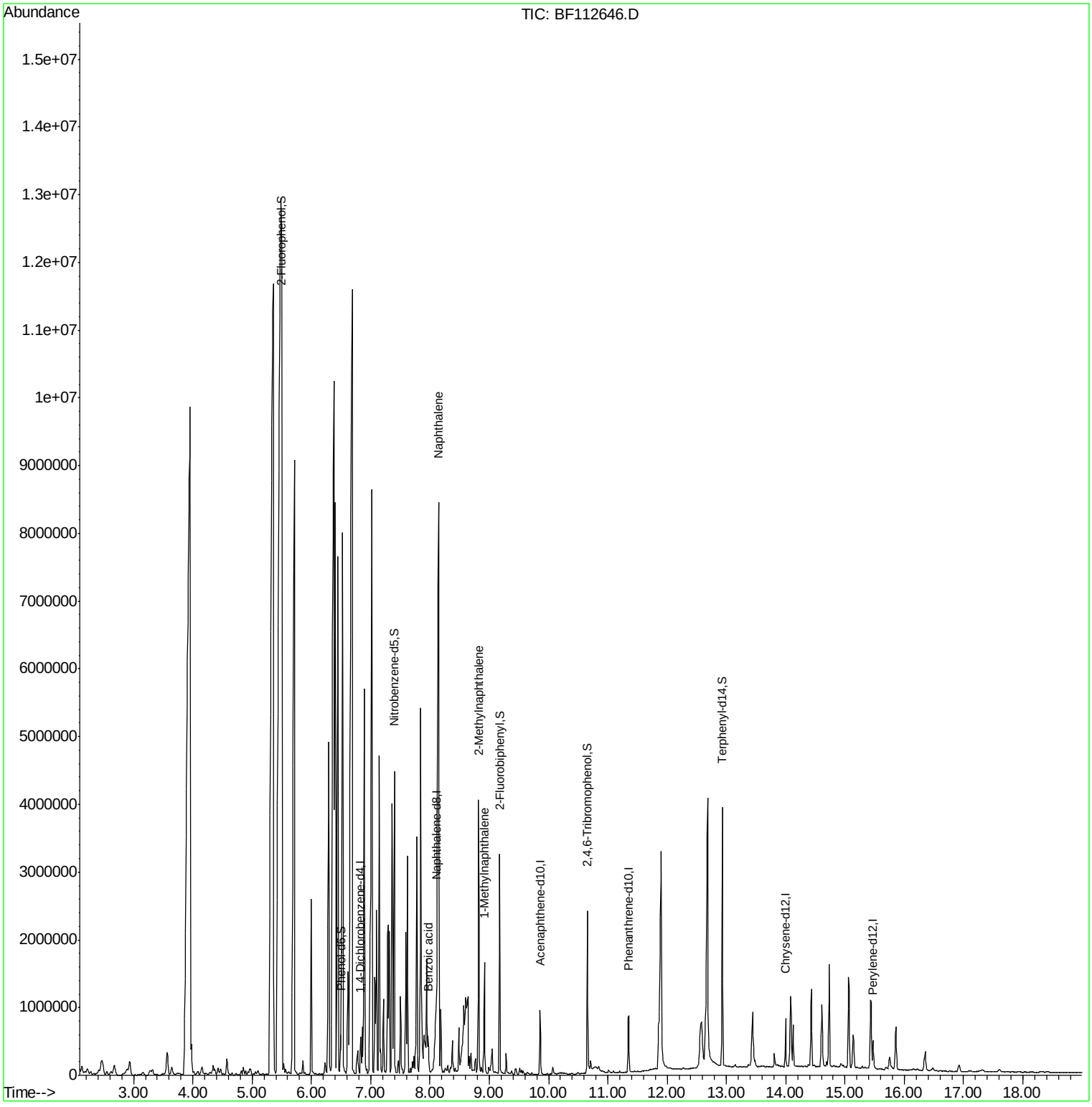
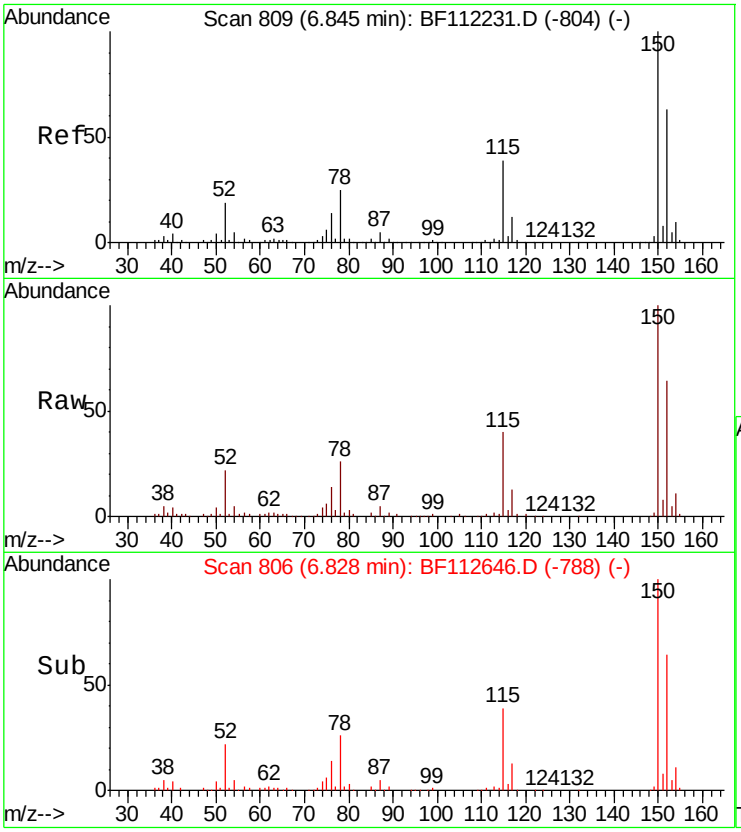


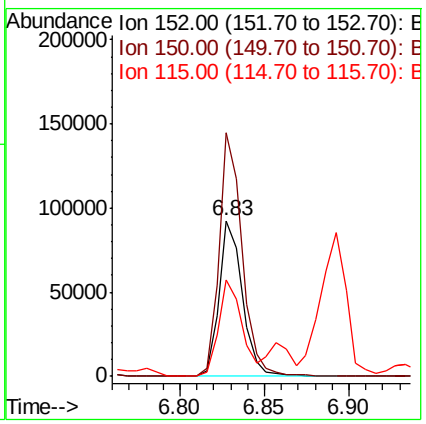


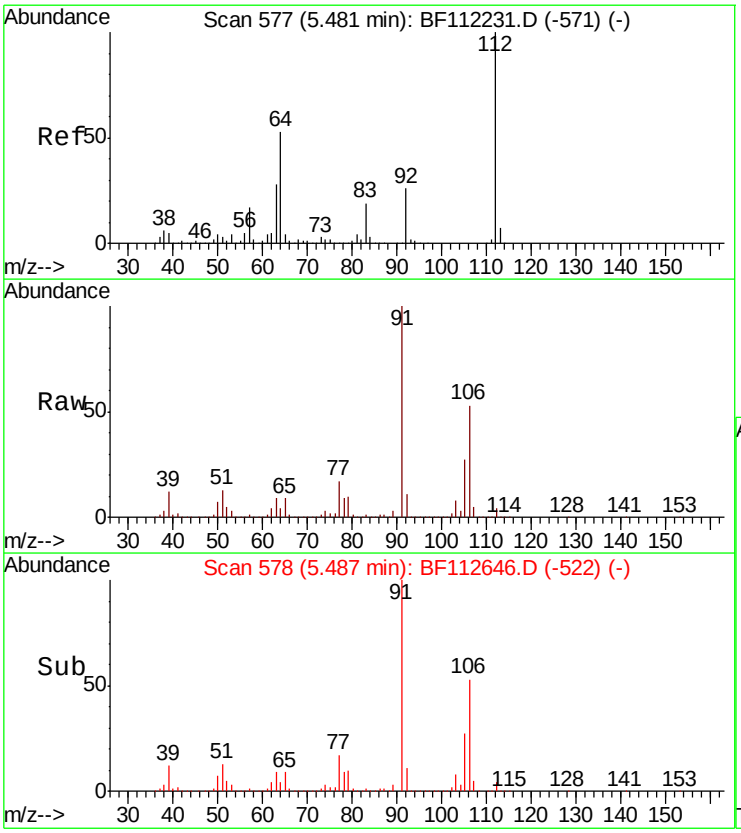
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion:152 Resp: 89439

Ion	Ratio	Lower	Upper
152	100		
150	156.3	127.4	191.0
115	62.0	45.5	68.3

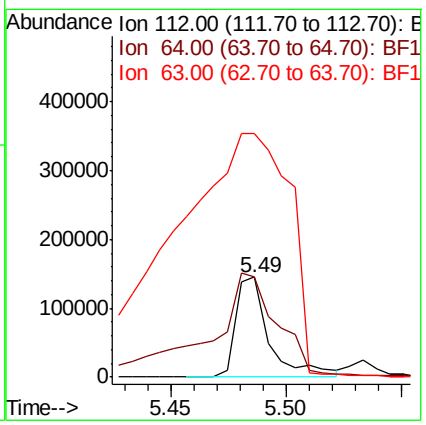


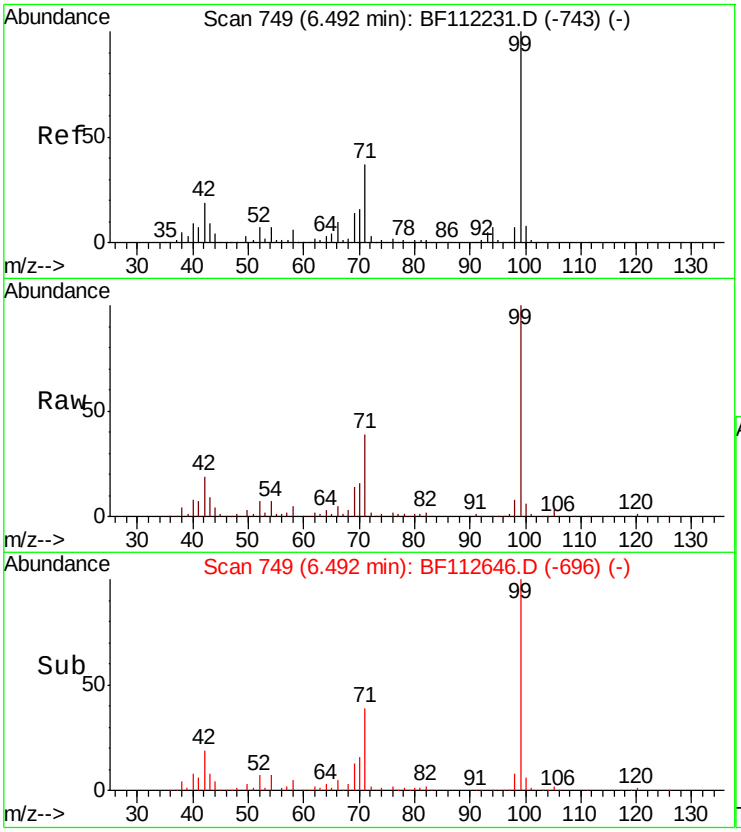


#5
2-Fluorophenol
Concen: 34.303 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.03 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Tgt Ion:112 Resp: 144441

Ion	Ratio	Lower	Upper
112	100		
64	99.6	45.7	68.5#
63	243.3	23.6	35.4#



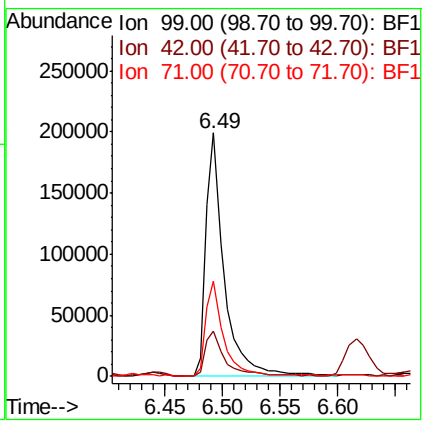


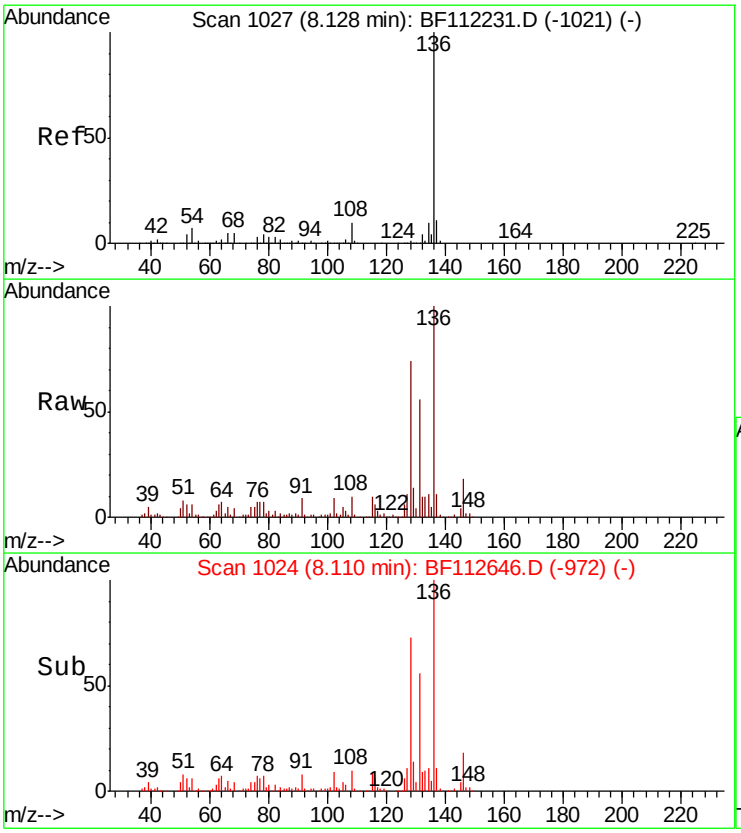
#7
Phenol-d6
Concen: 37.611 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion: 99 Resp: 220065

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.1	22.7
71	38.8	26.9	40.3

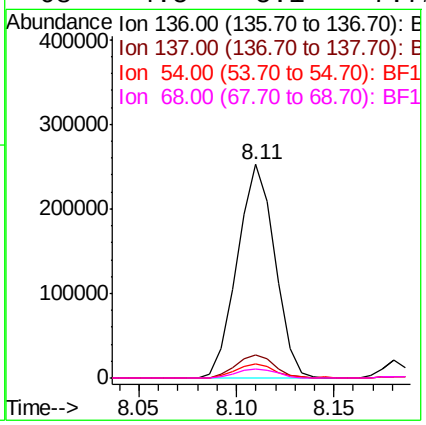


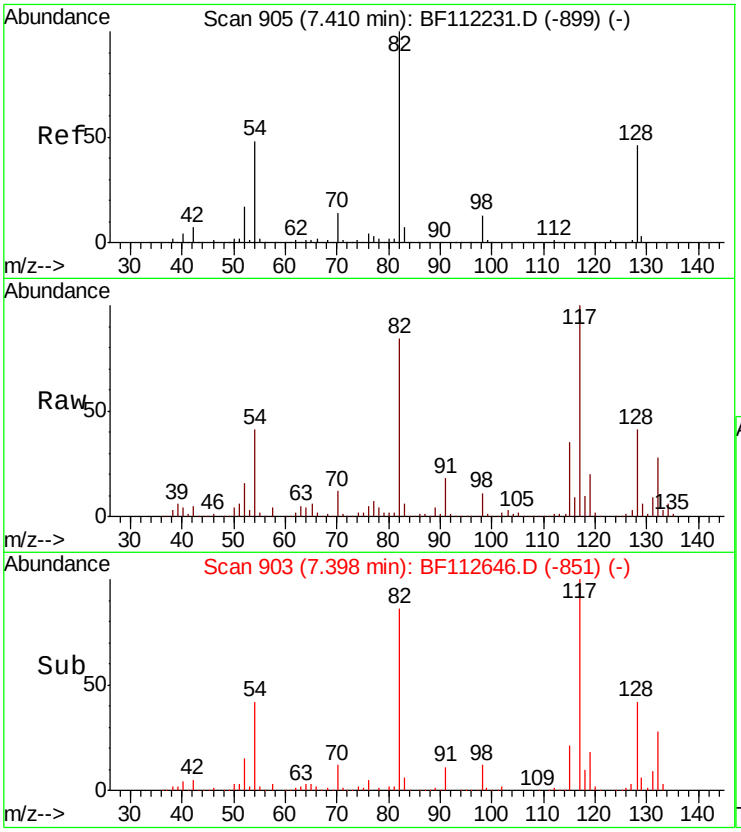


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Tgt Ion:136 Resp: 336583

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.5	5.9	8.9
68	4.5	5.1	7.7#



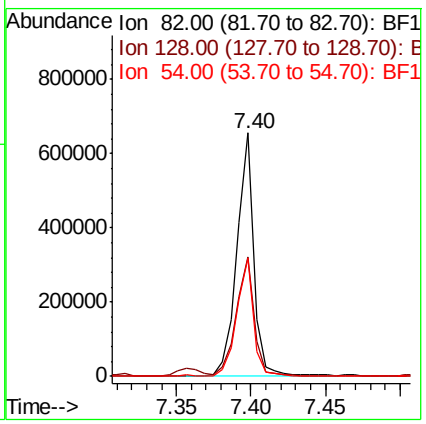


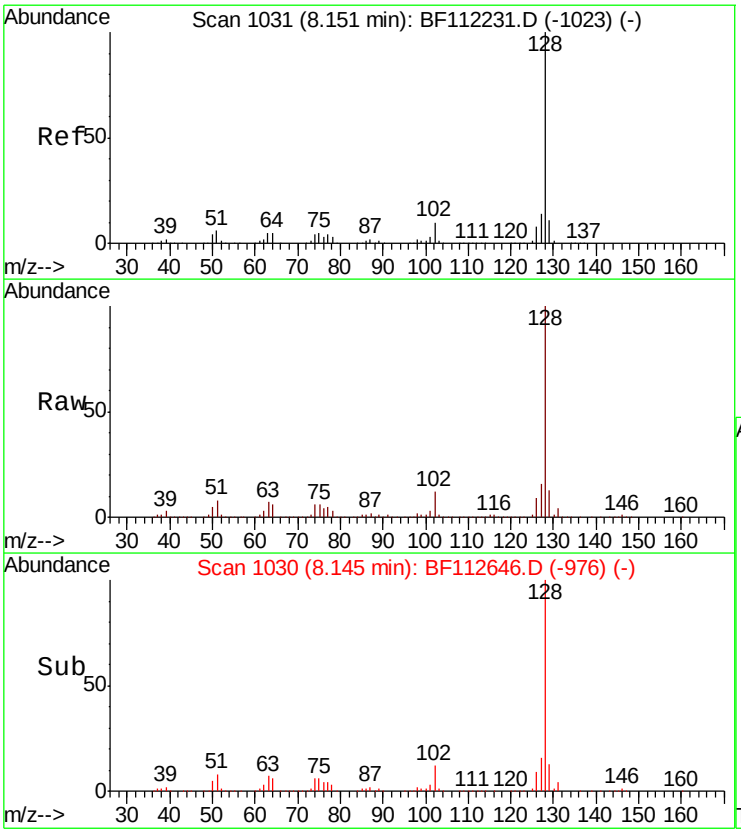
#23
Nitrobenzene-d5
Concen: 90.089 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.01 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion: 82 Resp: 526250

Ion	Ratio	Lower	Upper
82	100		
128	48.8	37.8	56.8
54	48.6	39.7	59.5

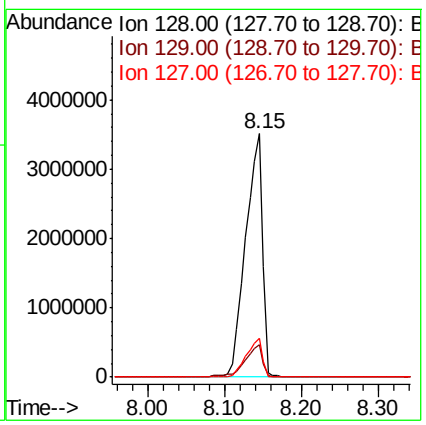


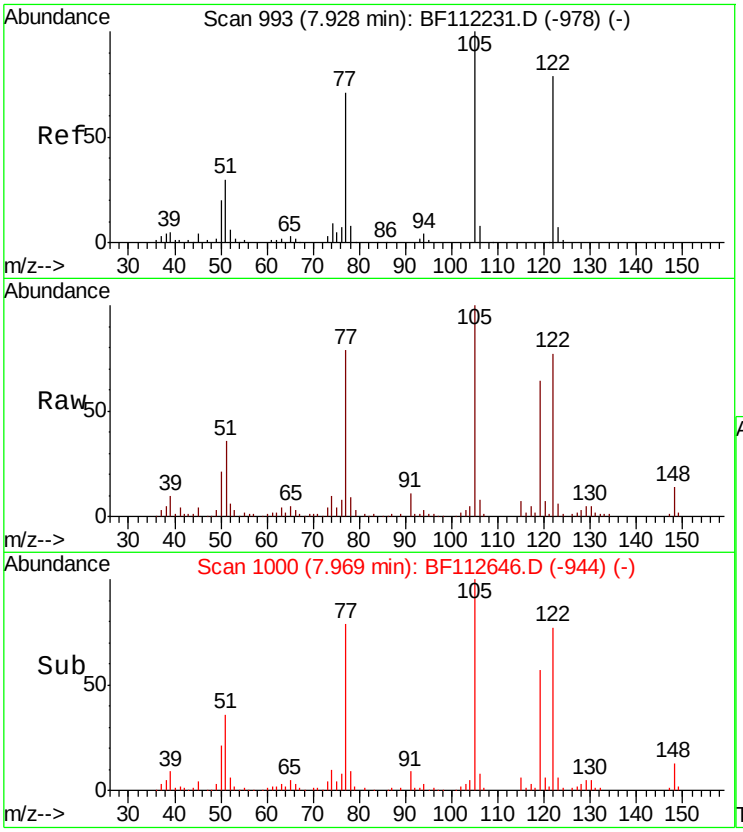


#31
Naphthalene
Concen: 343.290 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.02 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Tgt Ion:128 Resp: 5403411

Ion	Ratio	Lower	Upper
128	100		
129	13.3	9.6	14.4
127	15.9	11.1	16.7



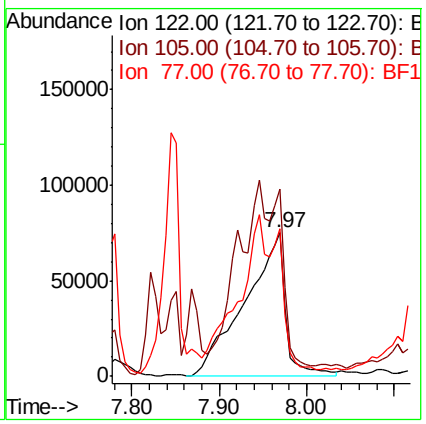


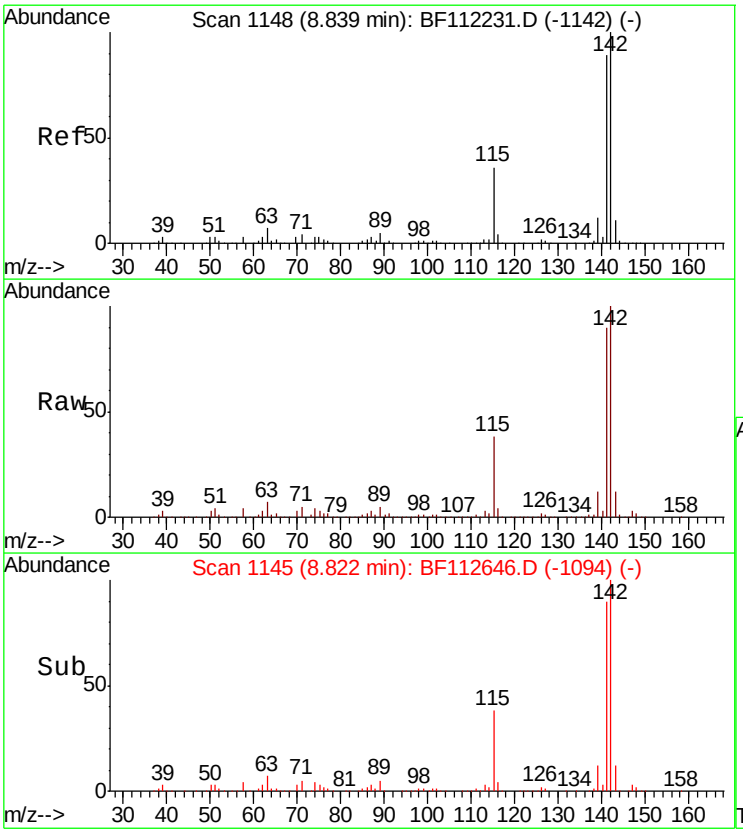
#32
Benzoic acid
Concen: 96.660 ng
RT: 7.97 min Scan# 1000
Delta R.T. 0.03 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion:122 Resp: 236839

Ion	Ratio	Lower	Upper
122	100		
105	130.6	101.2	141.2
77	103.3	70.4	110.4

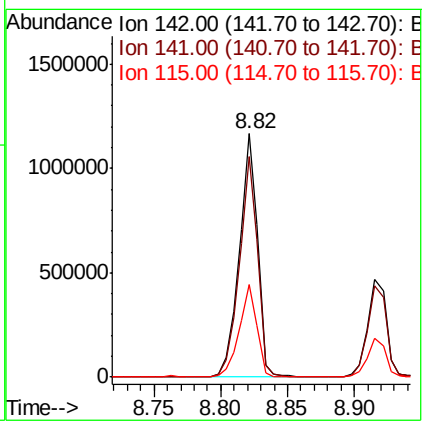


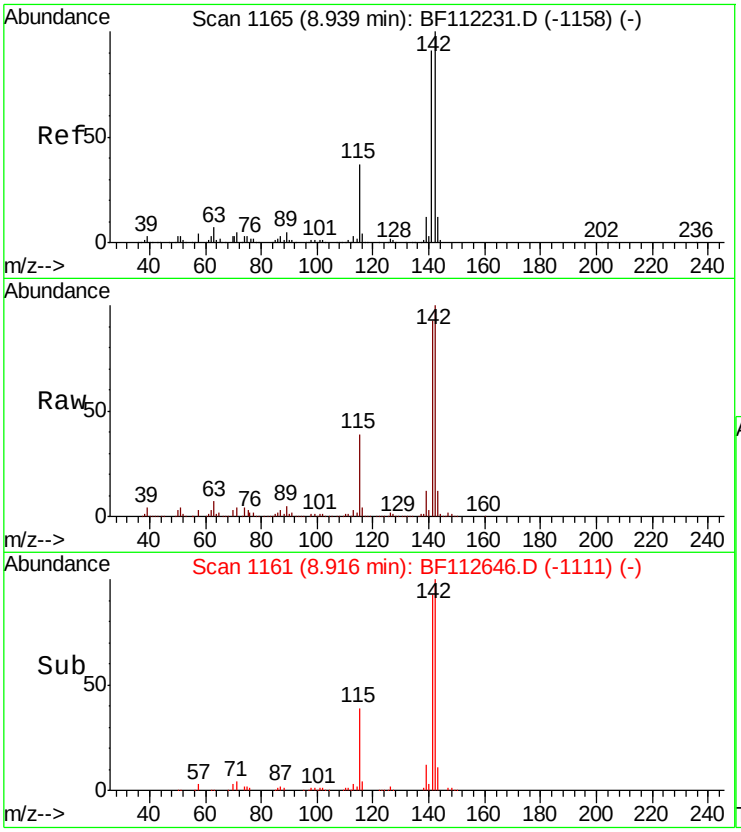


#37
2-Methylnaphthalene
Concen: 102.492 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Tgt Ion:142 Resp: 1104388

Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.9	106.3
115	38.1	24.9	37.3#



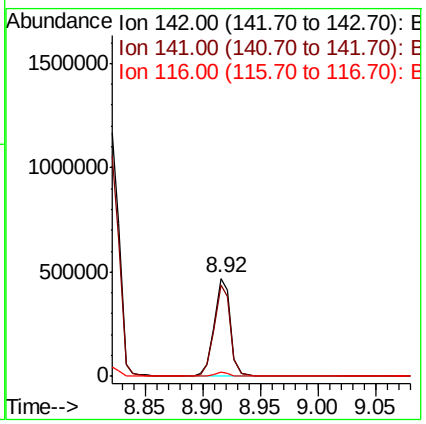


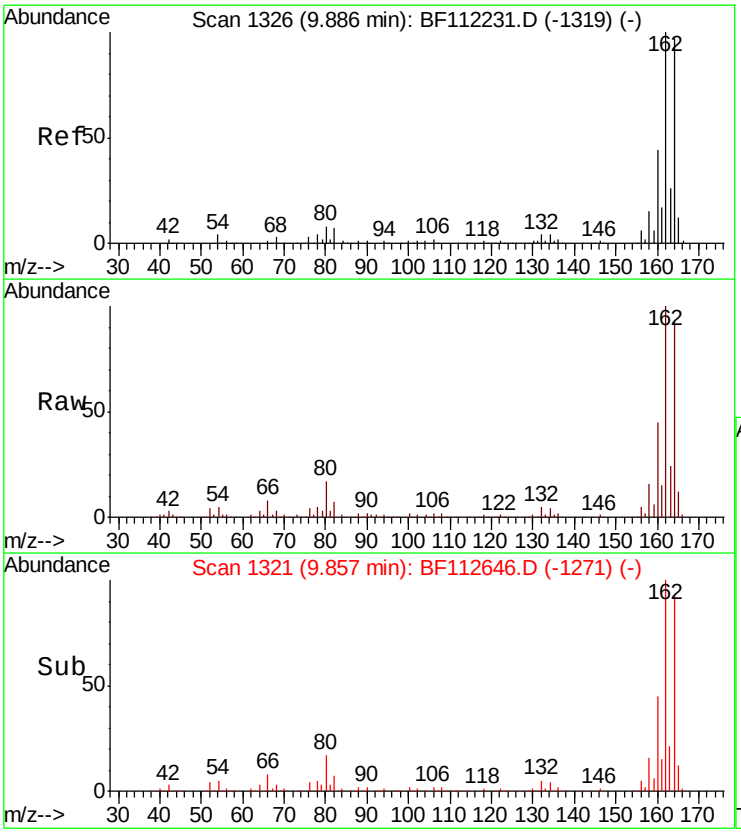
#38
1-Methylnaphthalene
Concen: 44.353 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion:142 Resp: 458077

Ion	Ratio	Lower	Upper
142	100		
141	93.1	72.6	108.8
116	4.0	2.8	4.2

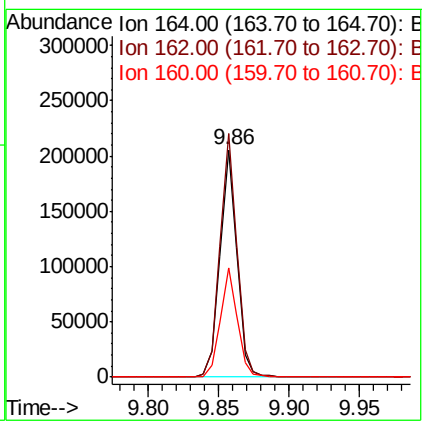


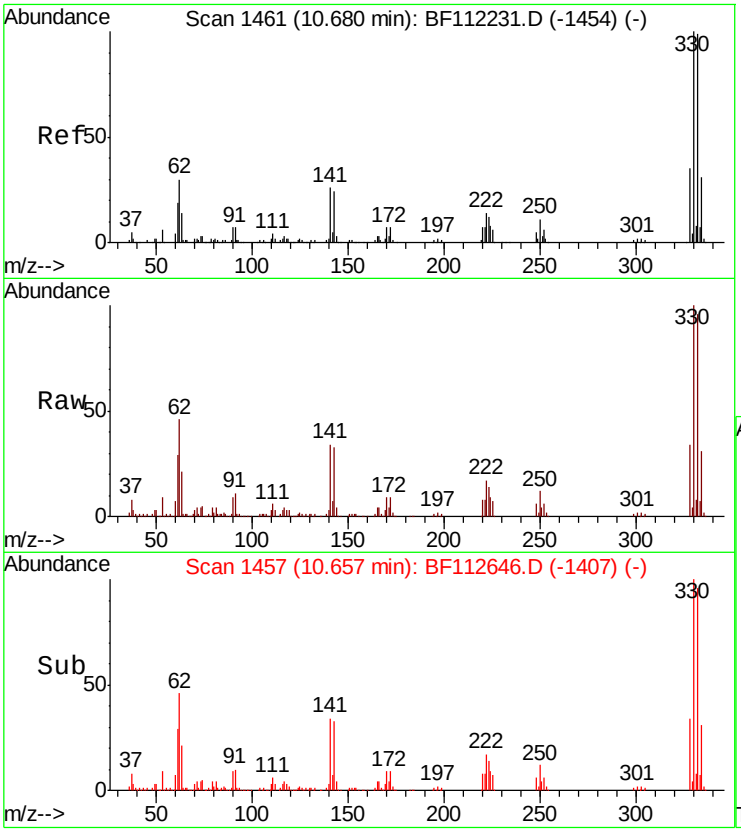


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Tgt Ion:164 Resp: 172698

Ion	Ratio	Lower	Upper
164	100		
162	107.2	82.2	123.4
160	48.1	36.2	54.4



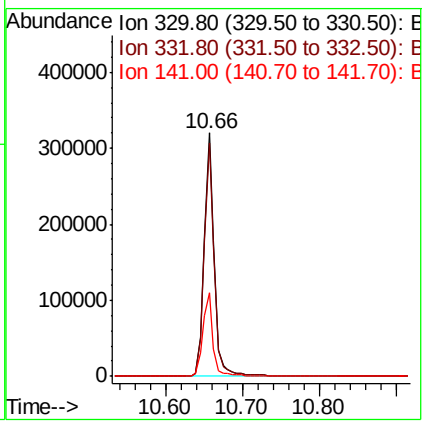


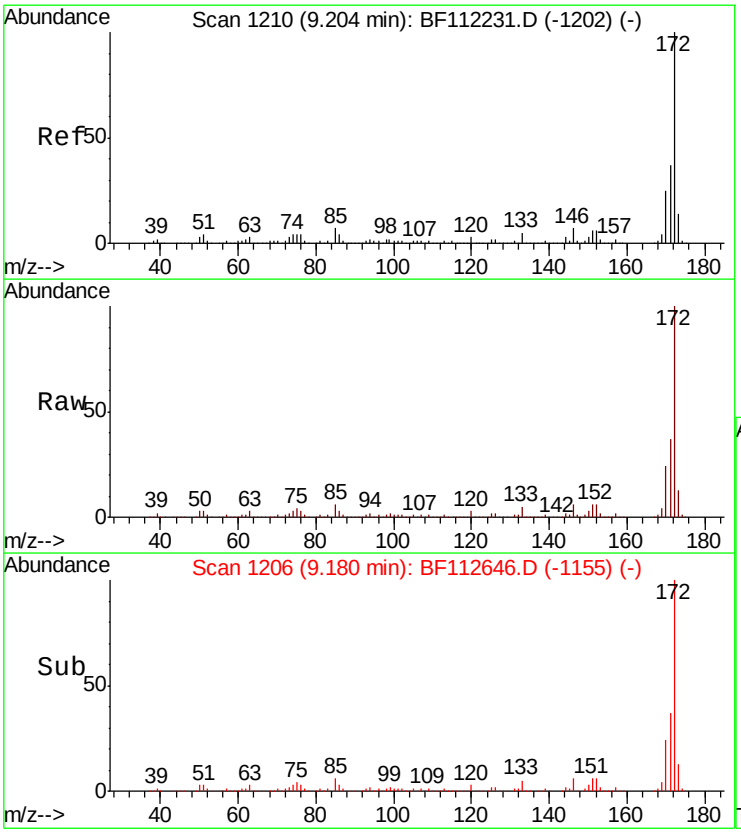
#42
2,4,6-Tribromophenol
Concen: 145.620 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.01 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion:330 Resp: 292720

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	114.8
141	35.0	24.3	36.5

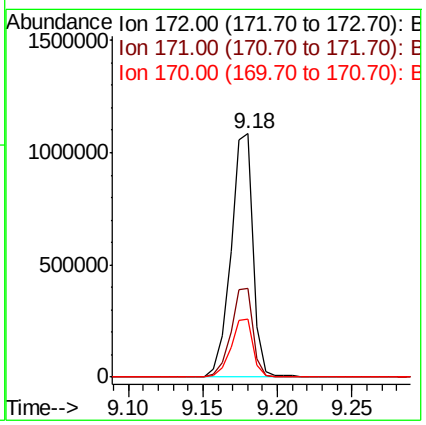


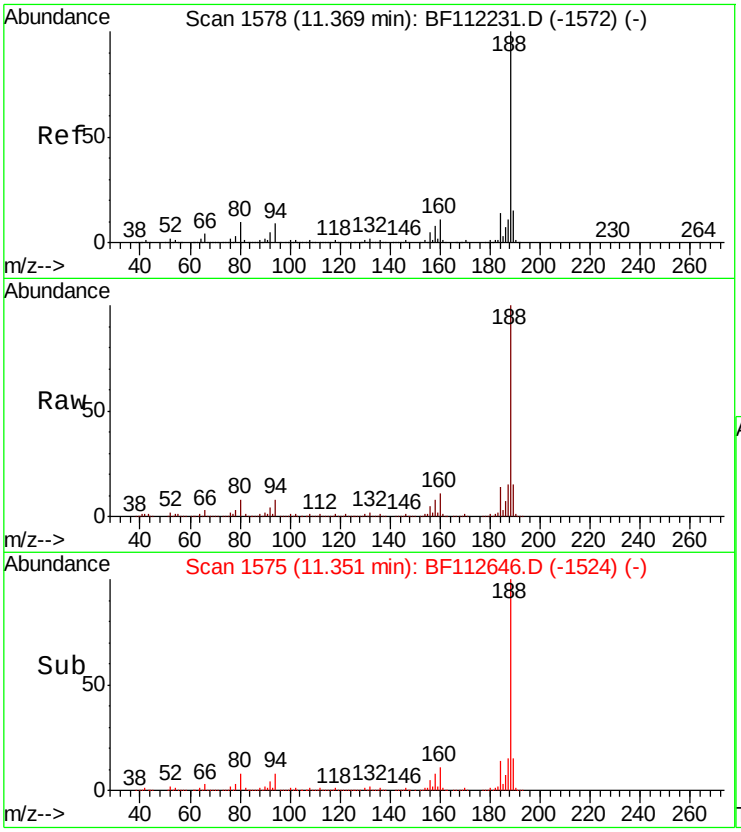


#45
2-Fluorobiphenyl
Concen: 92.691 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Tgt Ion:172 Resp: 1131810

Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.5	45.7
170	23.9	20.2	30.4



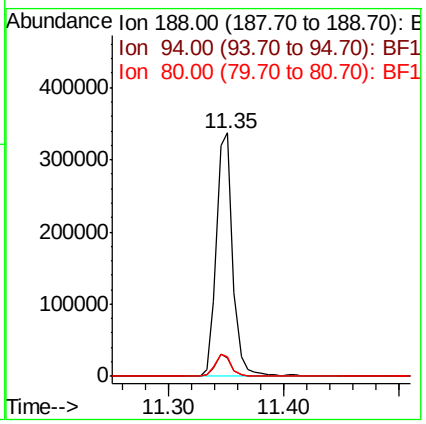


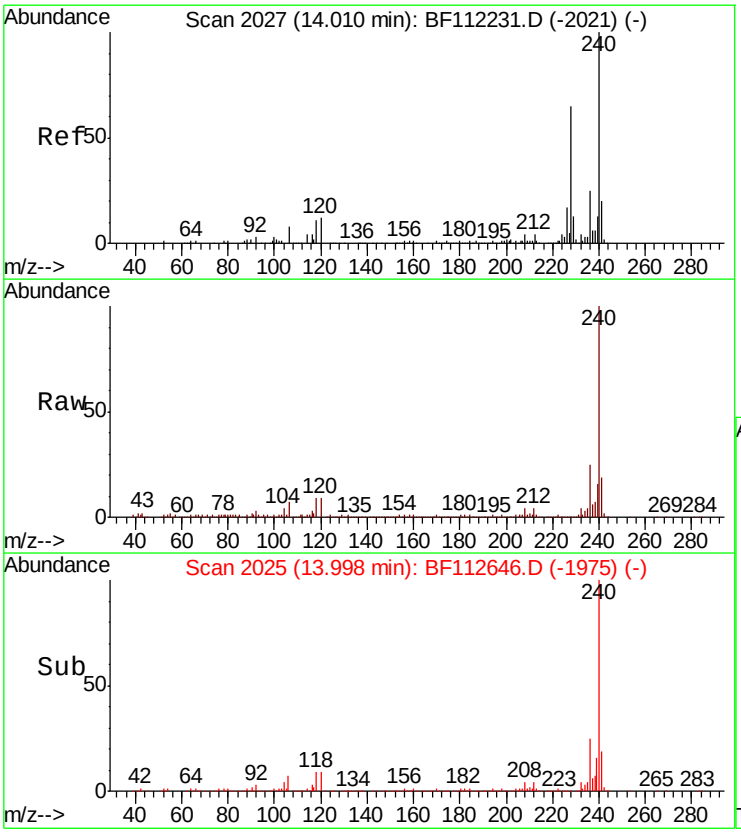
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion:188 Resp: 333999

Ion	Ratio	Lower	Upper
188	100		
94	7.6	8.2	12.2#
80	8.0	8.9	13.3#

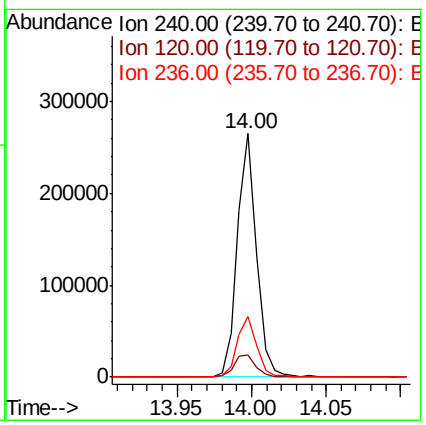


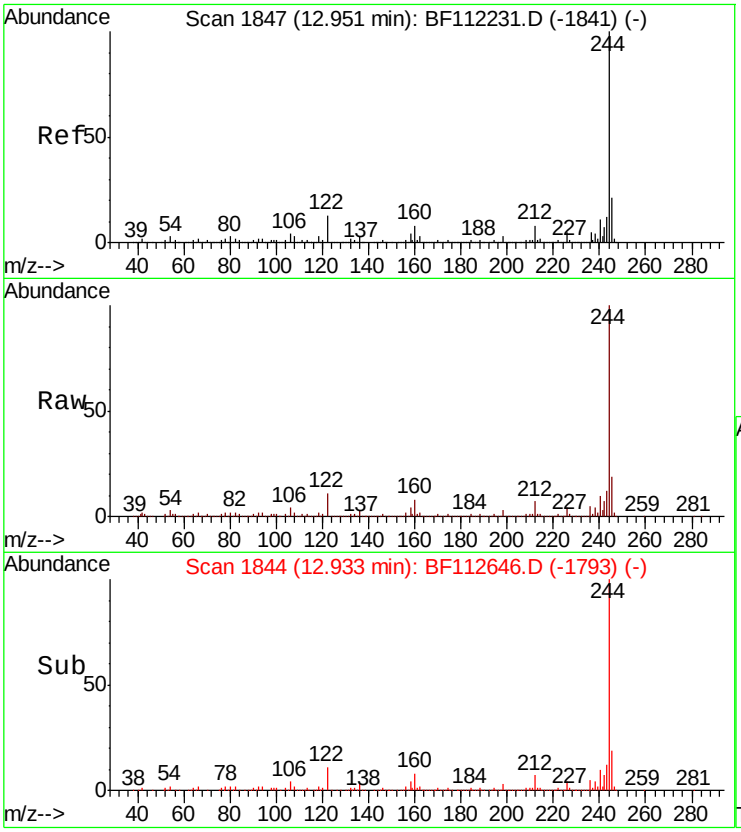


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Tgt Ion:240 Resp: 239112

Ion	Ratio	Lower	Upper
240	100		
120	9.3	9.0	13.6
236	24.9	20.7	31.1



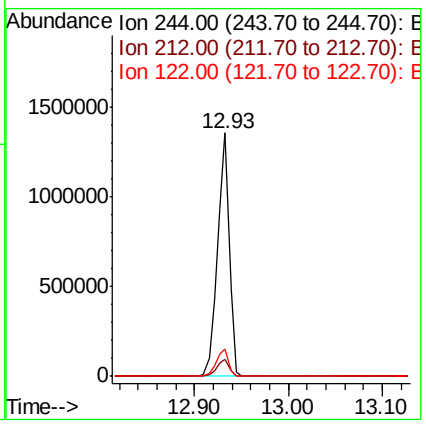


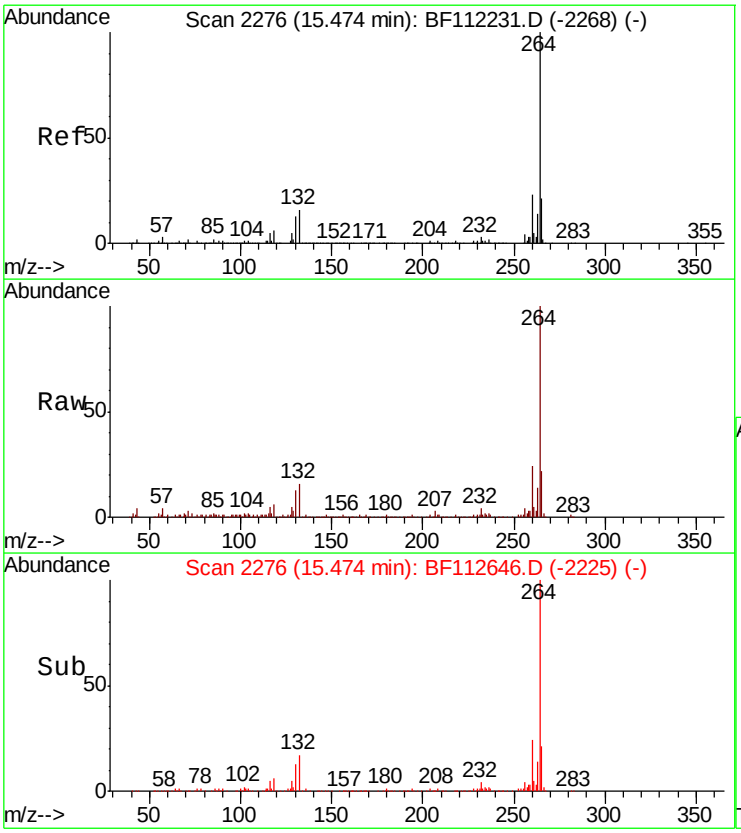
#79
Terphenyl-d14
Concen: 93.570 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion:244 Resp: 1187908

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	11.4	9.8	14.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF112646.D
Acq: 21 Feb 2019 12:19

Tgt Ion:264 Resp: 204682

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.2
265	21.5	17.0	25.4