Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117582.D
Acq On : 29 Oct 2019 11:24
Operator : JU
Sample : K5503-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
176-28-(0-2.5)

Manual Integrations APPROVED
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Quant Time: Oct 30 02:28:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	48780	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	198772	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	90754	20.00	ng		-0.01
64) Phenanthrene-d10	11.25	188	113804	20.00	ng		0.00
76) Chrysene-d12	13.89	240	85282	20.00	ng		0.00
87) Perylene-d12	15.33	264	98239	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.36	112	346871	105.79	ng		0.00
7) Phenol-d6	6.39	99	475505	107.97	ng		0.00
23) Nitrobenzene-d5	7.29	82	295514	73.40	ng		-0.01
42) 2,4,6-Tribromophenol	10.56	330	68076	86.69	ng		0.00
45) 2-Fluorobiphenyl	9.08	172	448197	69.58	ng		-0.01
79) Terphenyl-d14	12.83	244	255851	48.93	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.40	94	16514	3.674	ng		83
50) Dimethylphthalate	9.48	163	47717	7.375	ng		99
71) Phenanthrene	11.27	178	33581	5.082	ng		97
75) Fluoranthene	12.46	202	58444	8.835	ng		99
78) Pyrene	12.69	202	57168	7.804	ng		98
81) Benzo(a)anthracene	13.88	228	30485	5.299	ng		96
83) Chrysene	13.92	228	30532	5.415	ng		96
86) Indeno(1,2,3-cd)pyrene	16.74	276	18454	4.384	ng	#	92
88) Benzo(b)fluoranthene	14.92	252	48098m	8.291	ng		
89) Benzo(k)fluoranthene	14.94	252	12140m	2.042	ng		
90) Benzo(a)pyrene	15.27	252	32318	6.127	ng	#	91
92) Benzo(g,h,i)perylene	17.17	276	17565m	4.071	ng		

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

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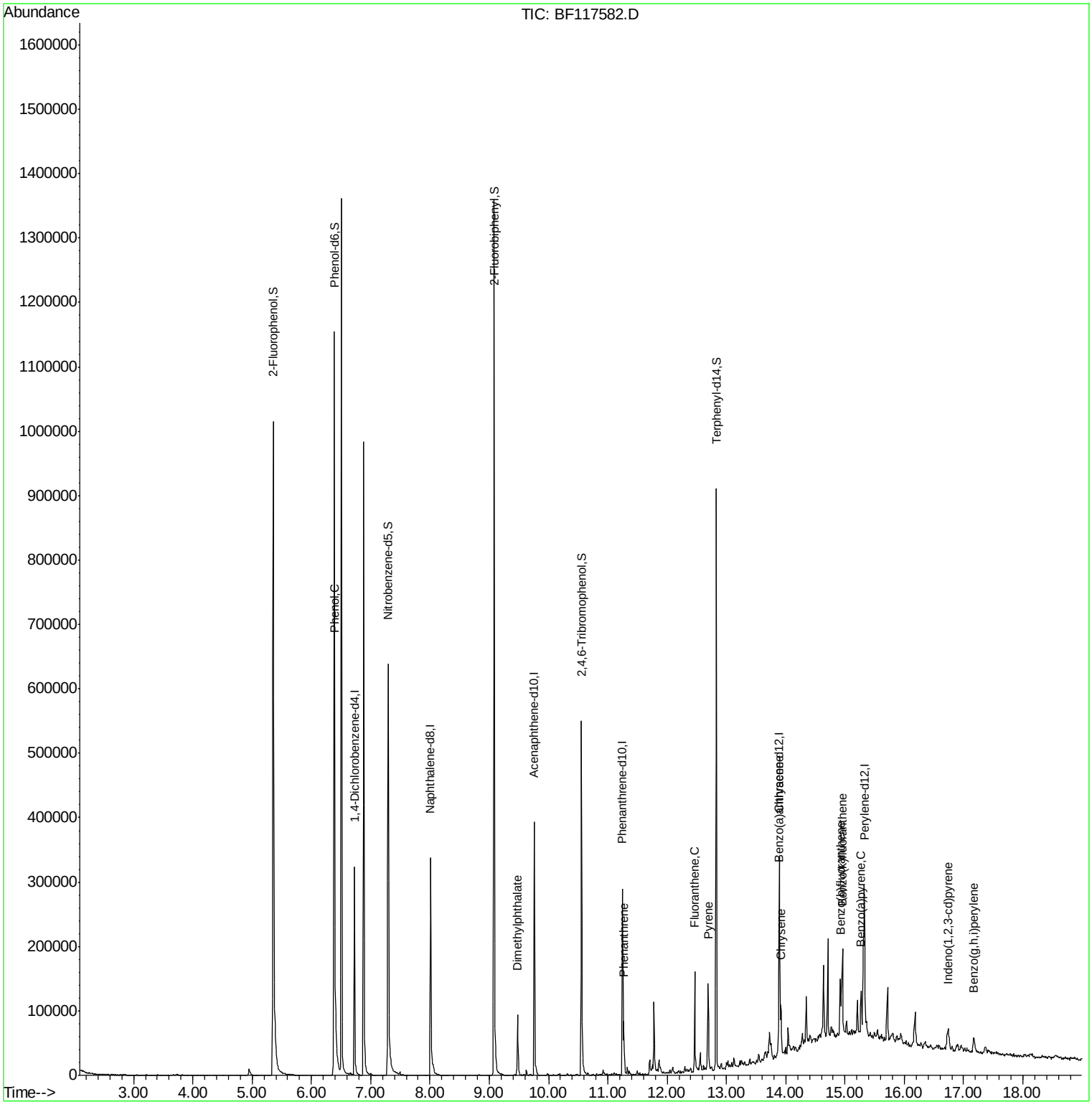
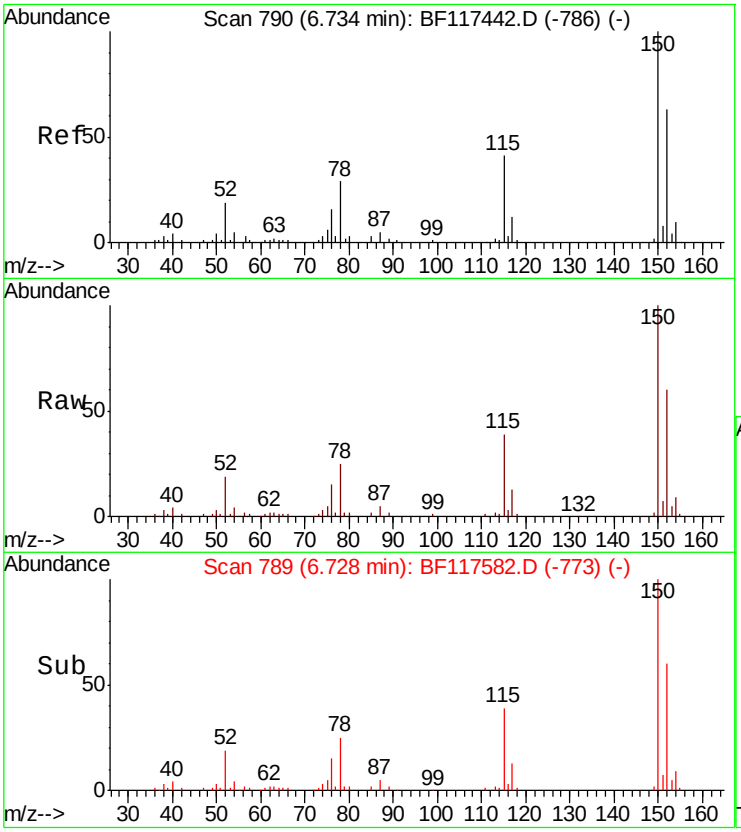
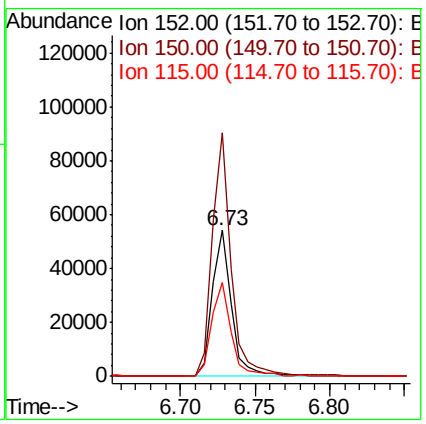




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:152 Resp: 48780

Ion	Ratio	Lower	Upper
152	100		
150	166.4	126.8	190.2
115	64.6	51.6	77.4



Instrument :
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ClientSampleId :
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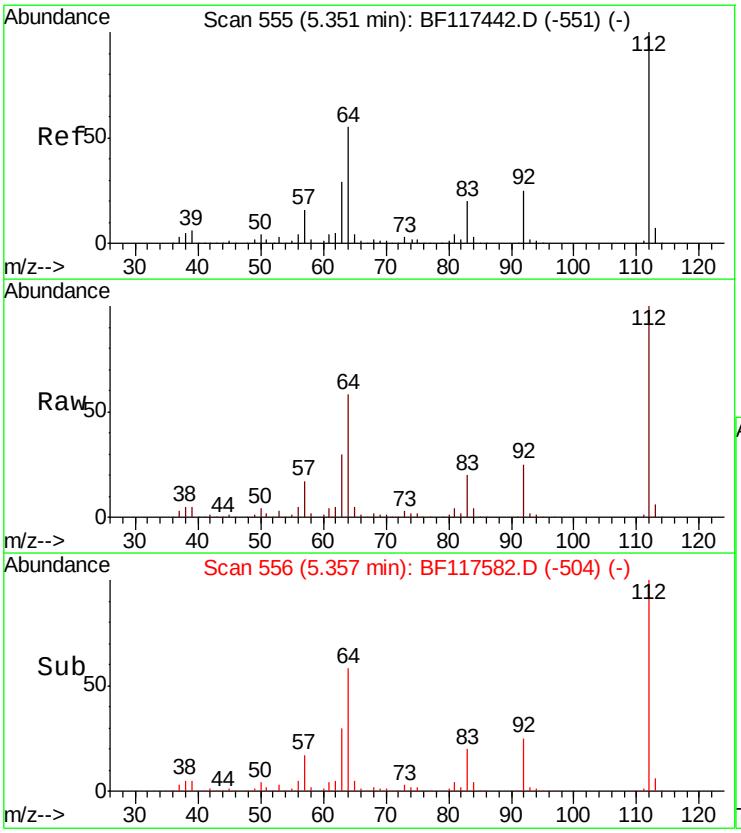
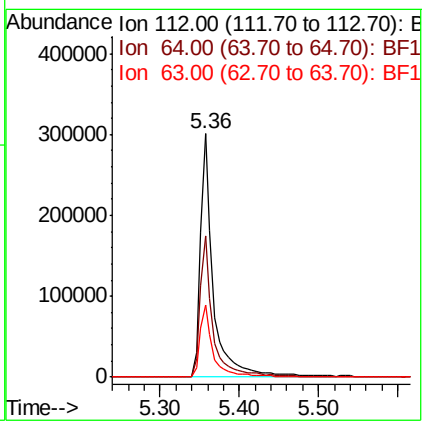
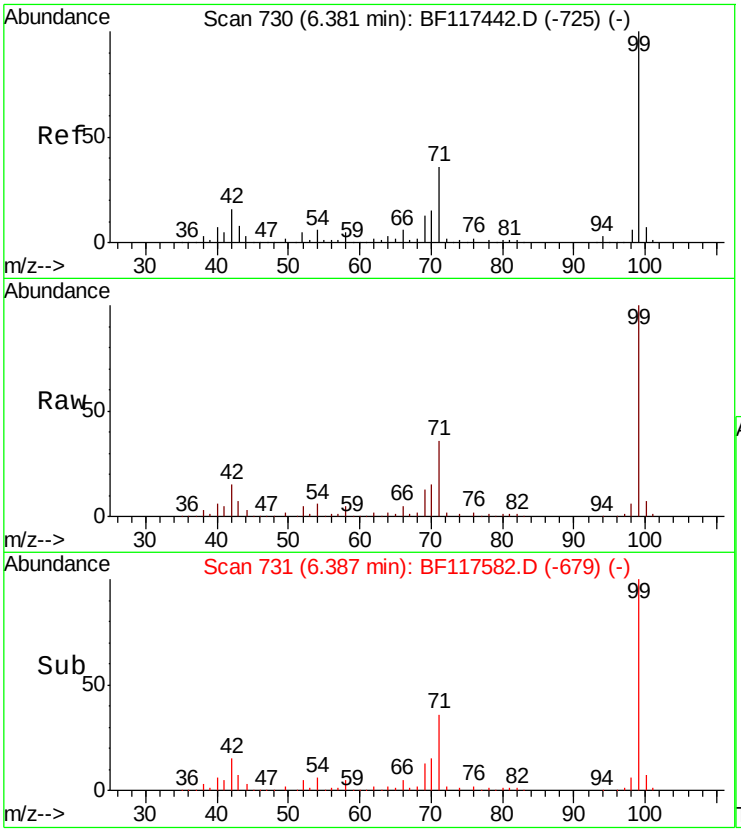


#5
2-Fluorophenol
Concen: 105.790 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:112 Resp: 346871

Ion	Ratio	Lower	Upper
112	100		
64	57.9	44.1	66.1
63	29.7	23.4	35.2

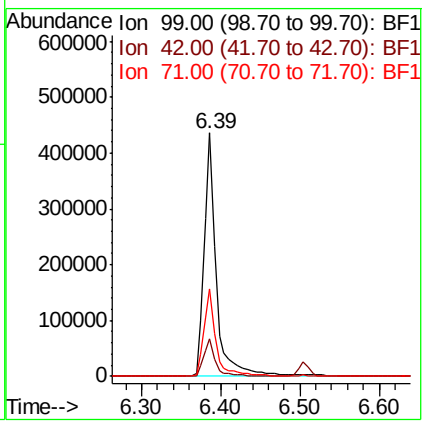




#7
Phenol-d6
Concen: 107.974 ng
RT: 6.39 min Scan# 731
Delta R.T. 0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion: 99 Resp: 475505

Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.8	19.2
71	35.9	28.6	43.0



Instrument :
BNA_F
ClientSampleId :
176-28-(0-2.5)

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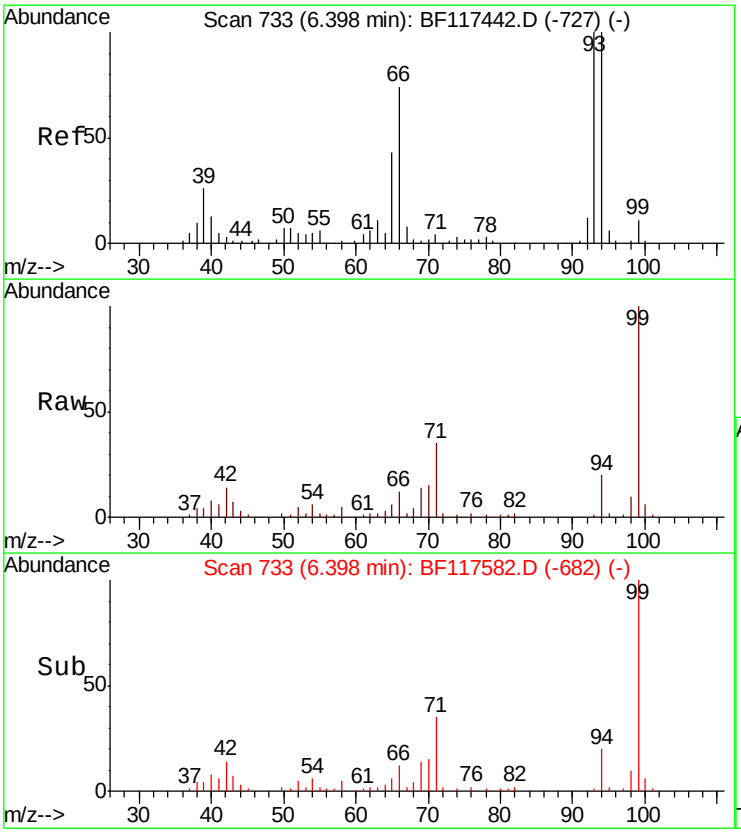
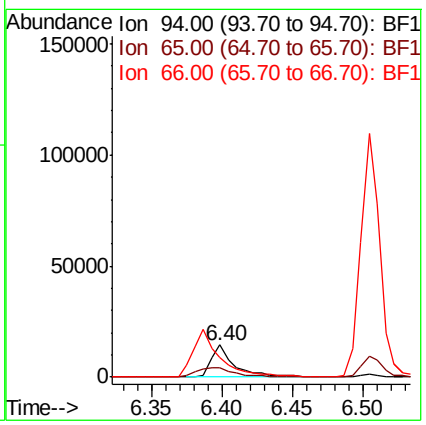
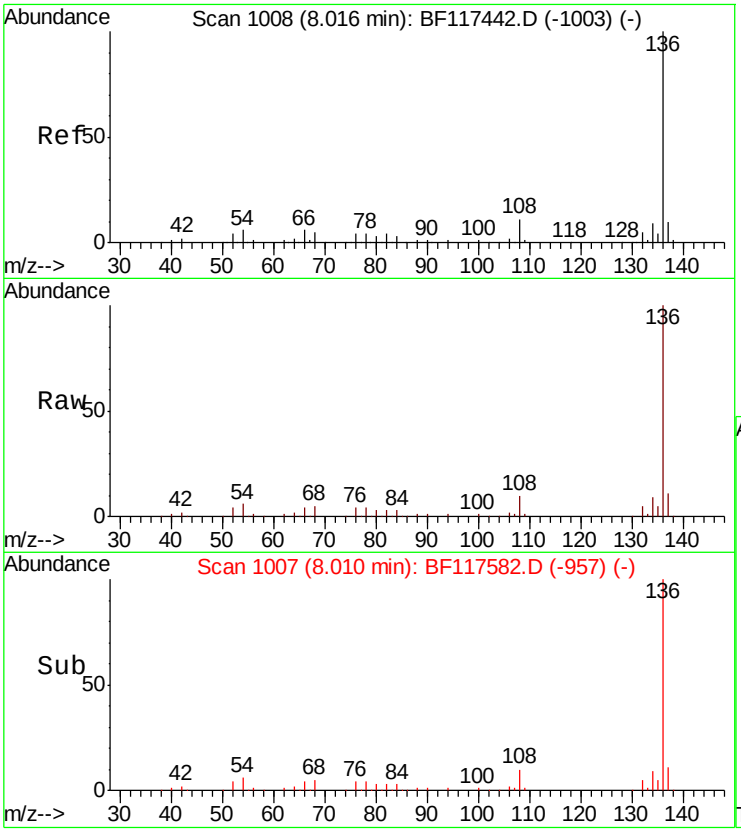


#10
Phenol
Concen: 3.674 ng
RT: 6.40 min Scan# 733
Delta R.T. -0.00 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion: 94 Resp: 16514

Ion	Ratio	Lower	Upper
94	100		
65	29.3	23.4	63.4
66	62.1	54.7	94.7

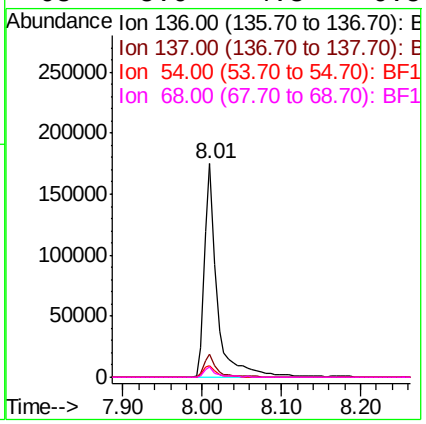




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:136 Resp: 198772

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.4
54	5.7	4.5	6.7
68	5.0	4.3	6.5



Instrument :
BNA_F
ClientSampleId :
176-28-(0-2.5)

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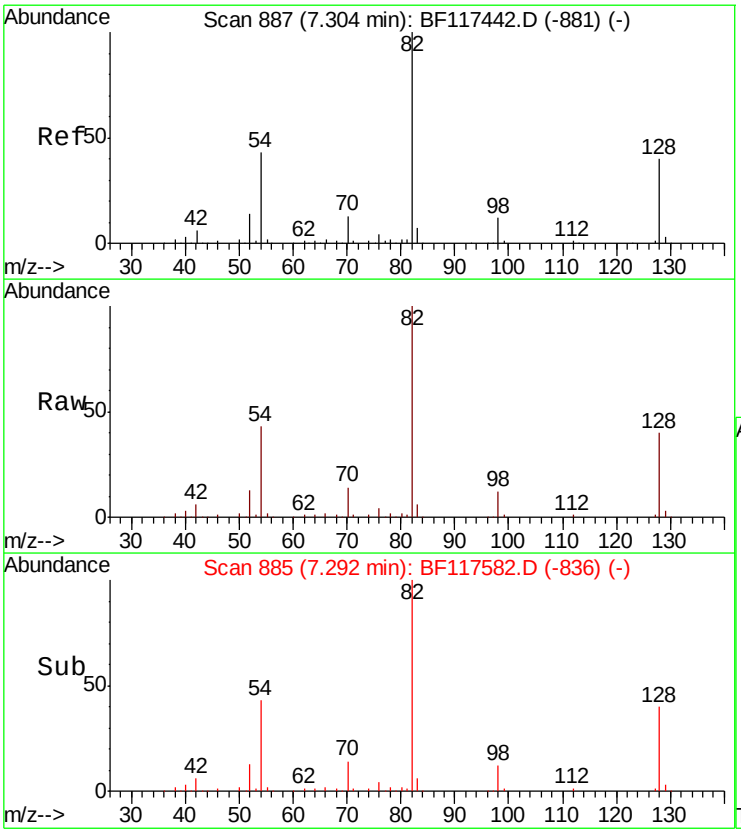
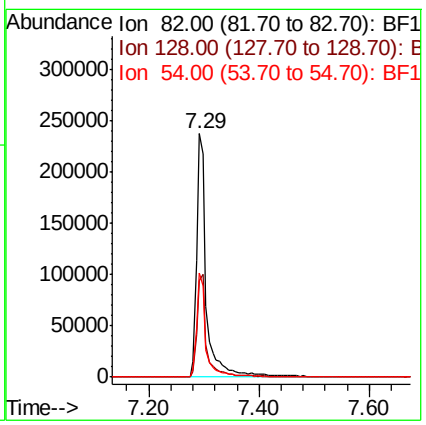
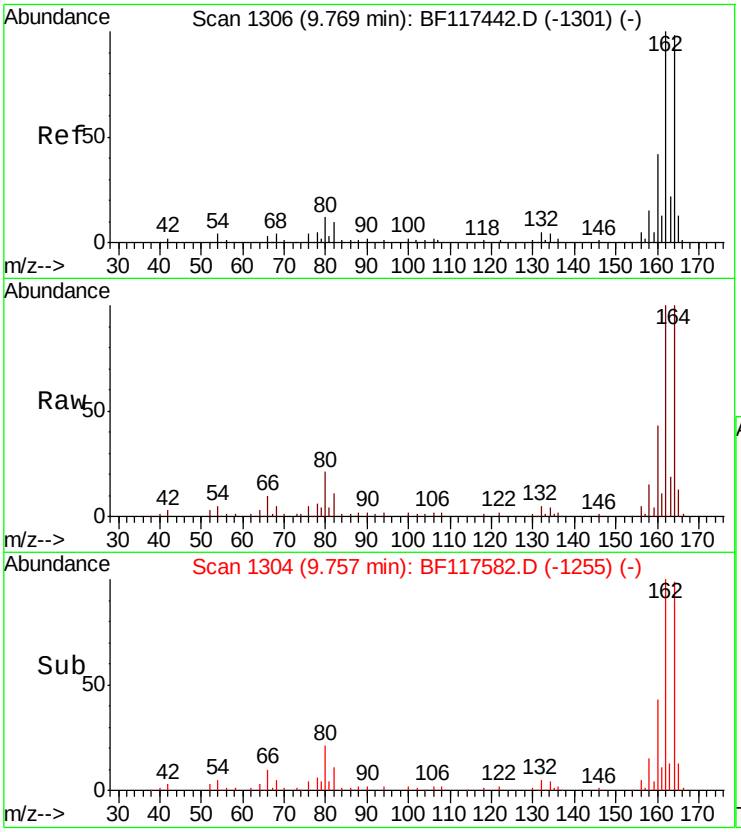


#23
Nitrobenzene-d5
Concen: 73.395 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion: 82 Resp: 295514

Ion	Ratio	Lower	Upper
82	100		
128	39.8	32.2	48.2
54	42.8	34.2	51.2

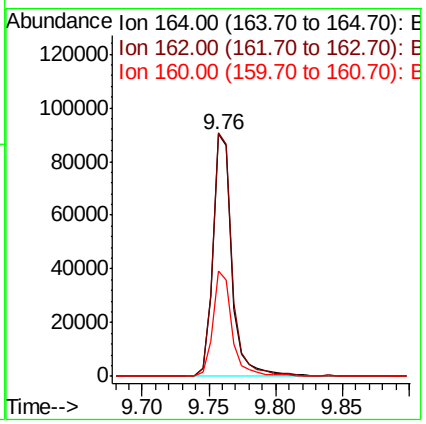




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:164 Resp: 90754

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.8	122.6
160	43.3	34.4	51.6



Instrument :
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ClientSampleId :
176-28-(0-2.5)

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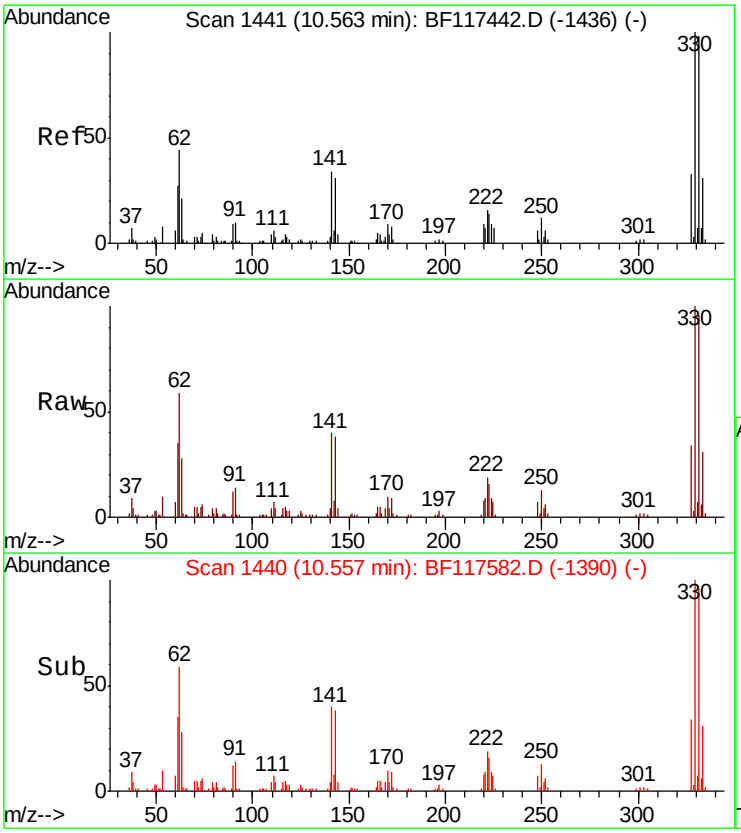
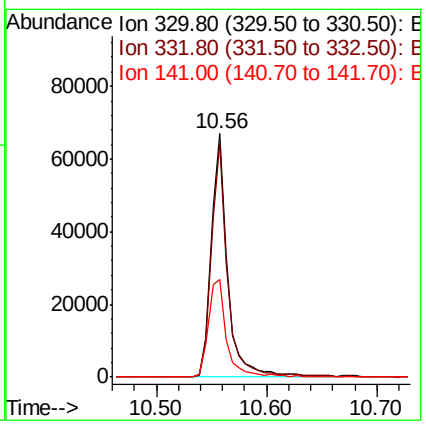
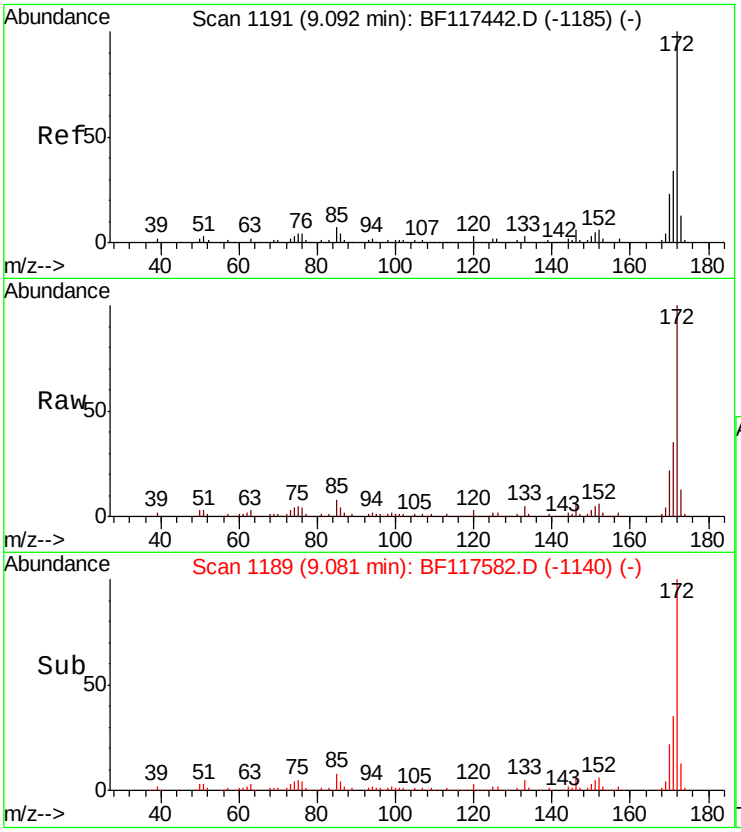


#42
2,4,6-Tribromophenol
Concen: 86.693 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:330 Resp: 68076

Ion	Ratio	Lower	Upper
330	100		
332	93.0	78.5	117.7
141	44.3	37.0	55.6

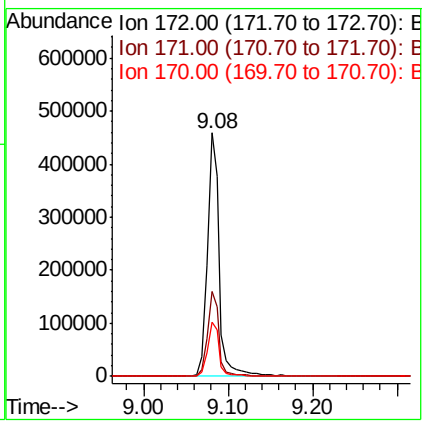




#45
2-Fluorobiphenyl
Concen: 69.584 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:172 Resp: 448197

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.5	41.3
170	22.1	18.6	27.8



Instrument :
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ClientSampleId :
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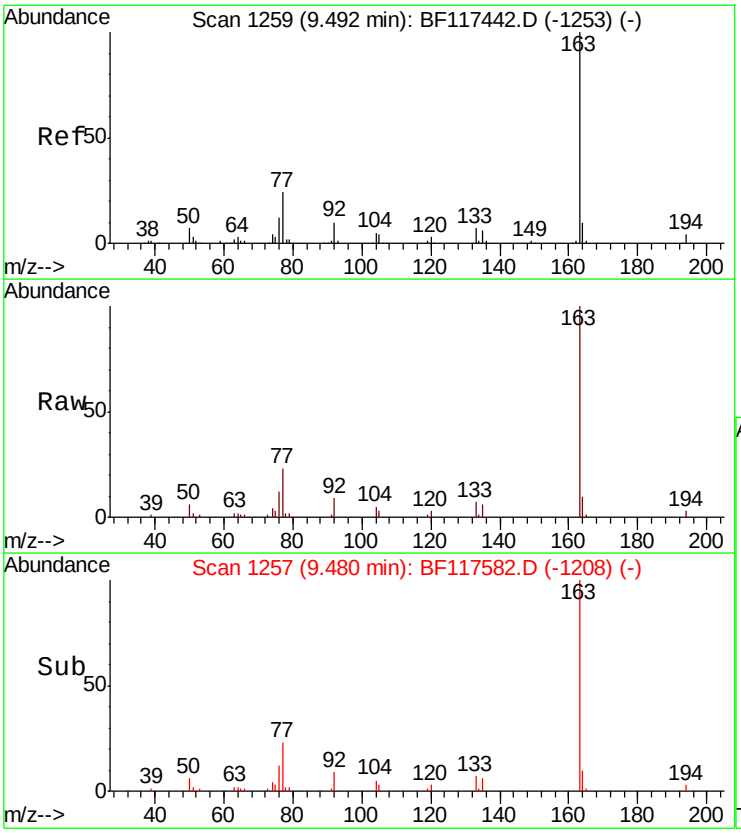
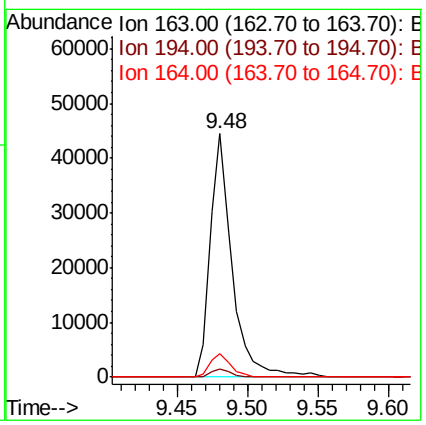
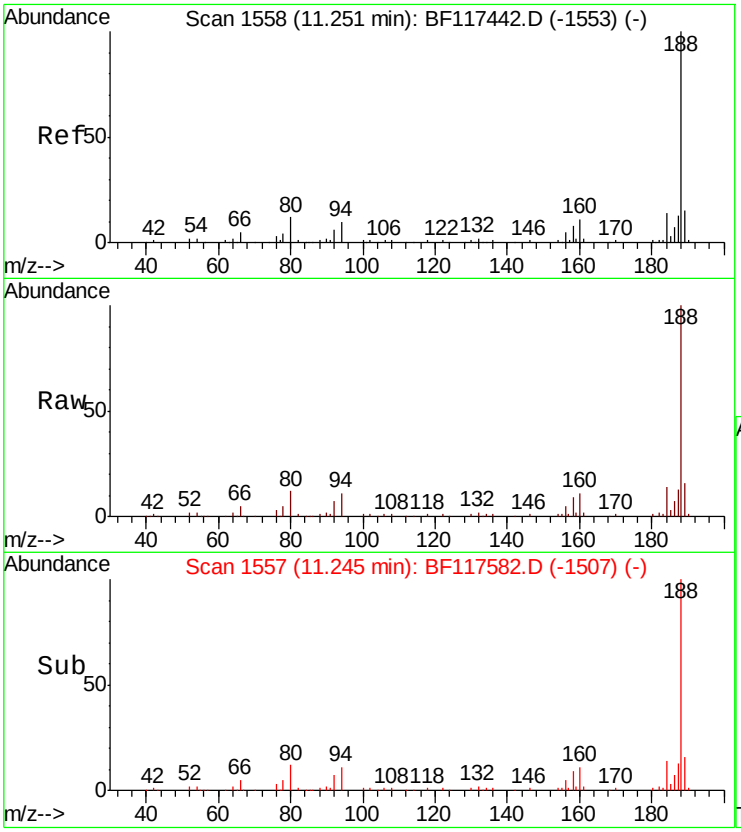


#50
Dimethylphthalate
Concen: 7.375 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:163 Resp: 47717

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.9	4.3
164	9.7	8.2	12.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:188 Resp: 113804

Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.0	12.0
80	11.9	9.5	14.3

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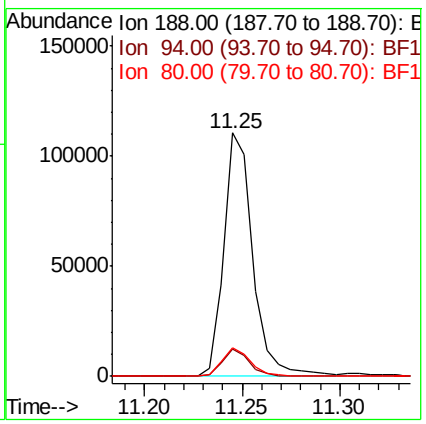
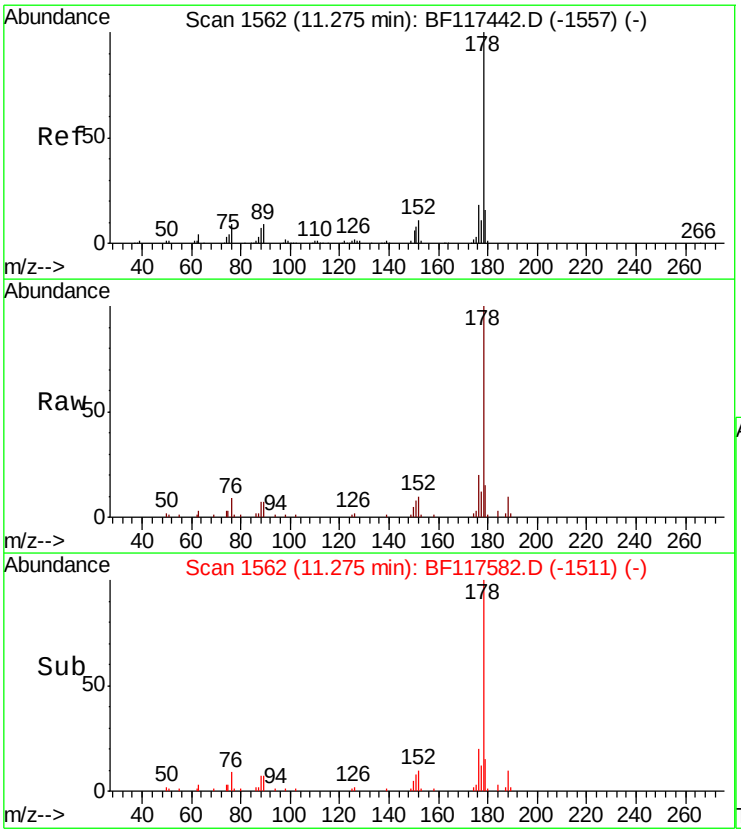
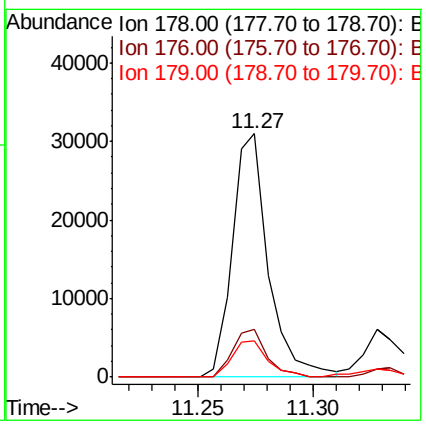


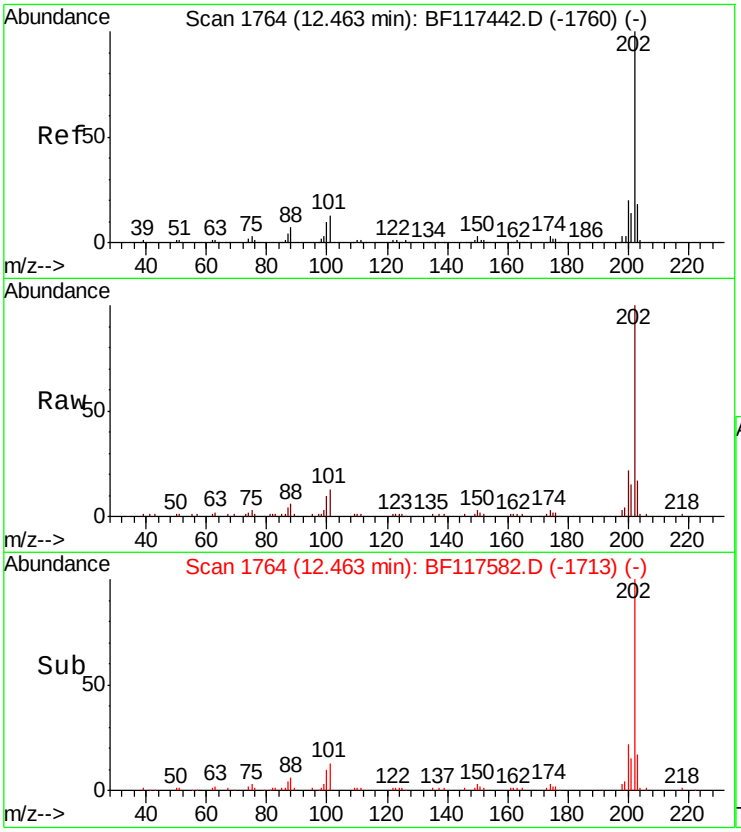


#71
Phenanthrene
Concen: 5.082 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:178 Resp: 33581

Ion	Ratio	Lower	Upper
178	100		
176	19.8	14.6	22.0
179	14.9	12.6	19.0

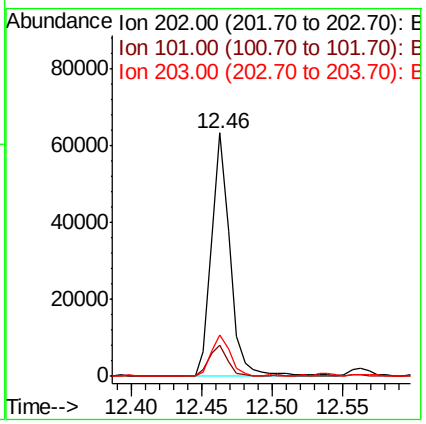




#75
Fluoranthene
Concen: 8.835 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.00 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:202 Resp: 58444

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	32.7
203	17.0	0.0	37.6



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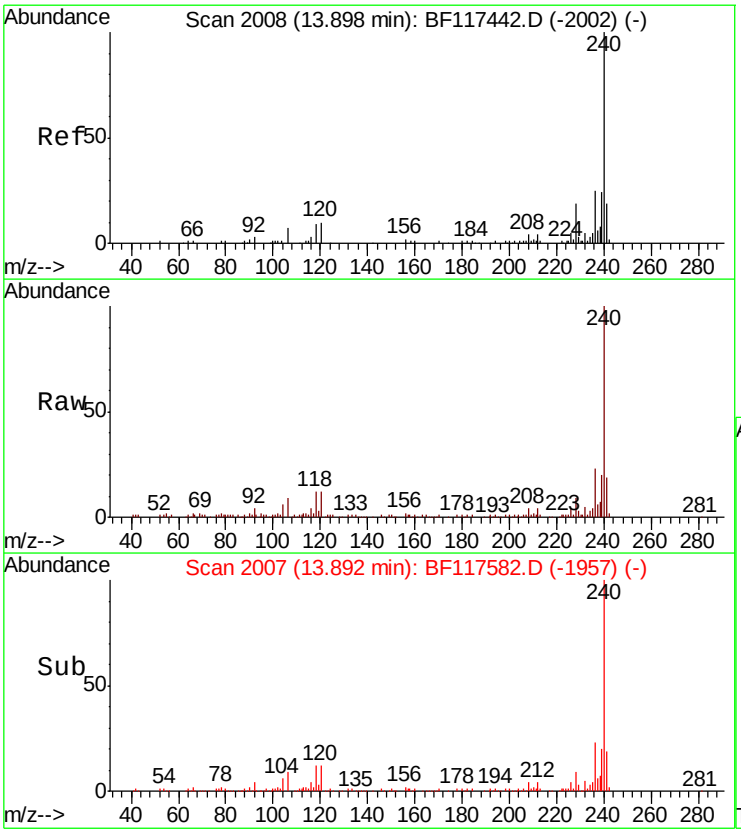
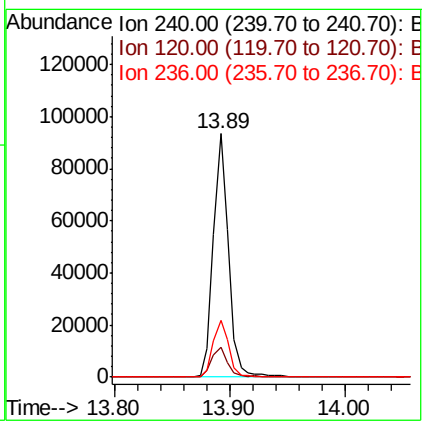
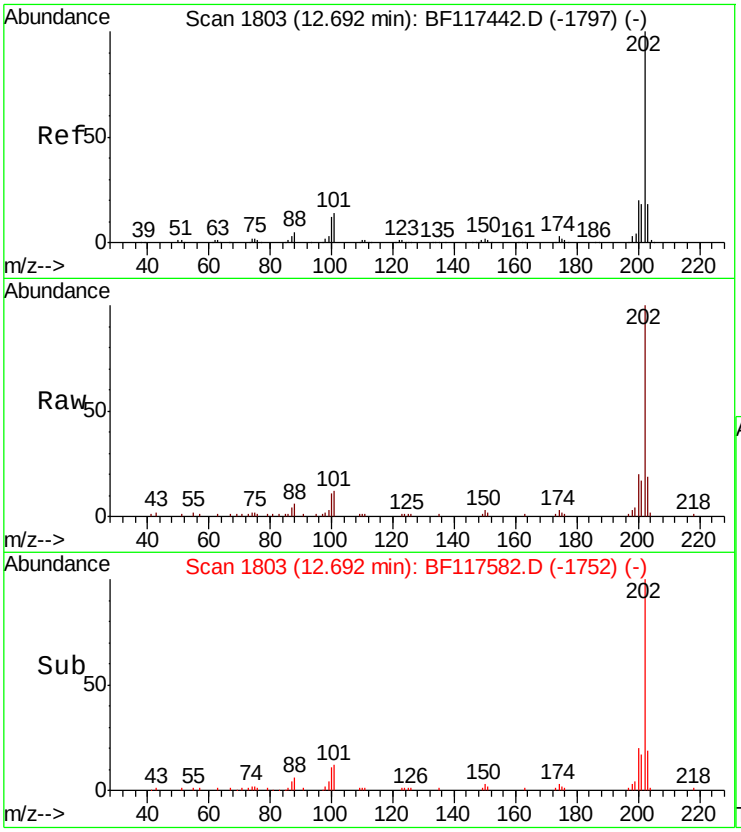


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:240 Resp: 85282

Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.4	12.6
236	23.2	20.0	30.0

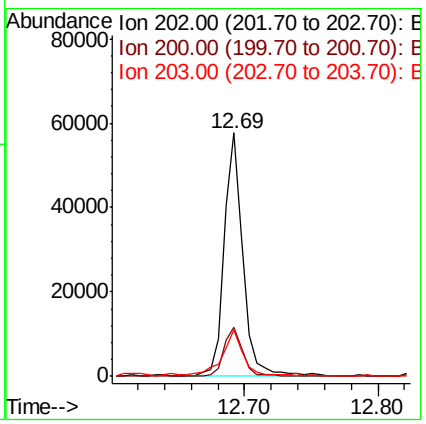




#78
Pyrene
Concen: 7.804 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:202 Resp: 57168

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.2
203	19.3	14.0	21.0



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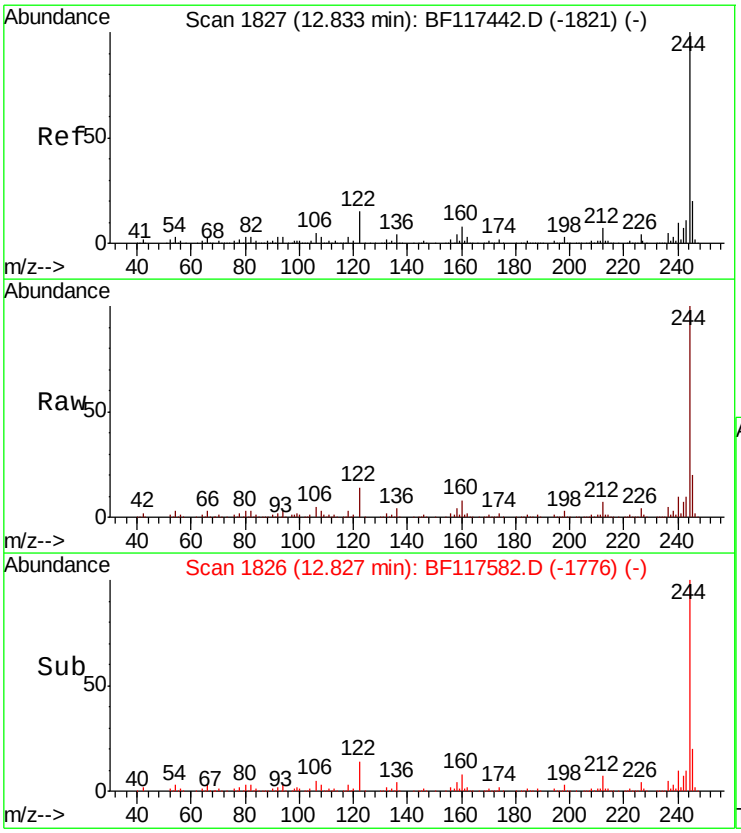
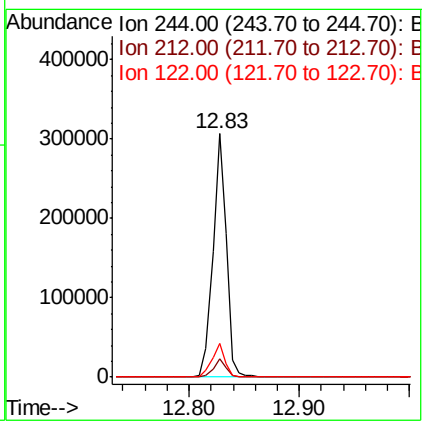
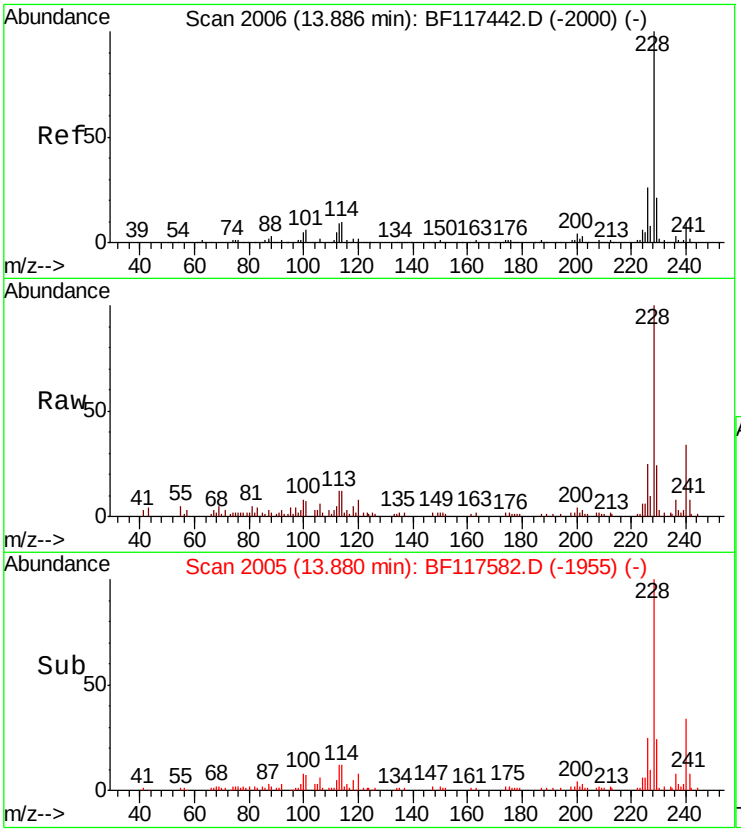


#79
Terphenyl-d14
Concen: 48.934 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:244 Resp: 255851

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	14.0	11.8	17.8

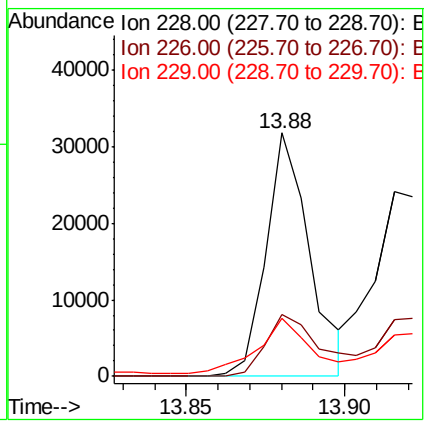




#81
Benzo(a)anthracene
Concen: 5.299 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:228 Resp: 30485

Ion	Ratio	Lower	Upper
228	100		
226	25.3	21.0	31.4
229	24.1	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
176-28-(0-2.5)

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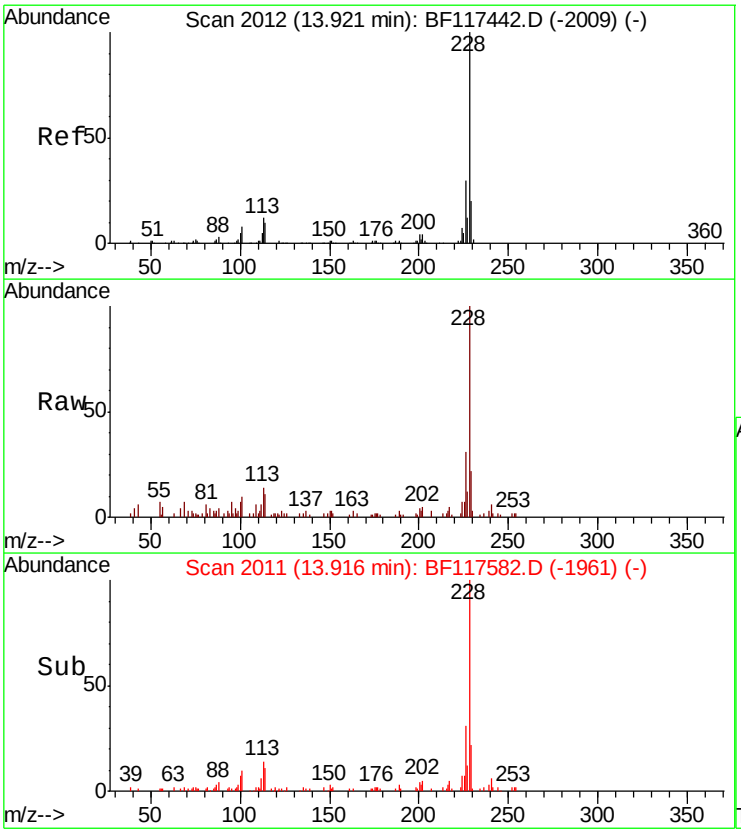
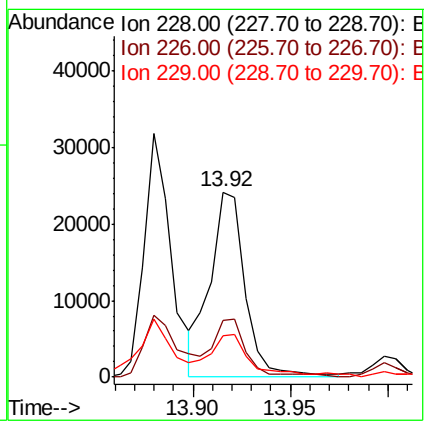
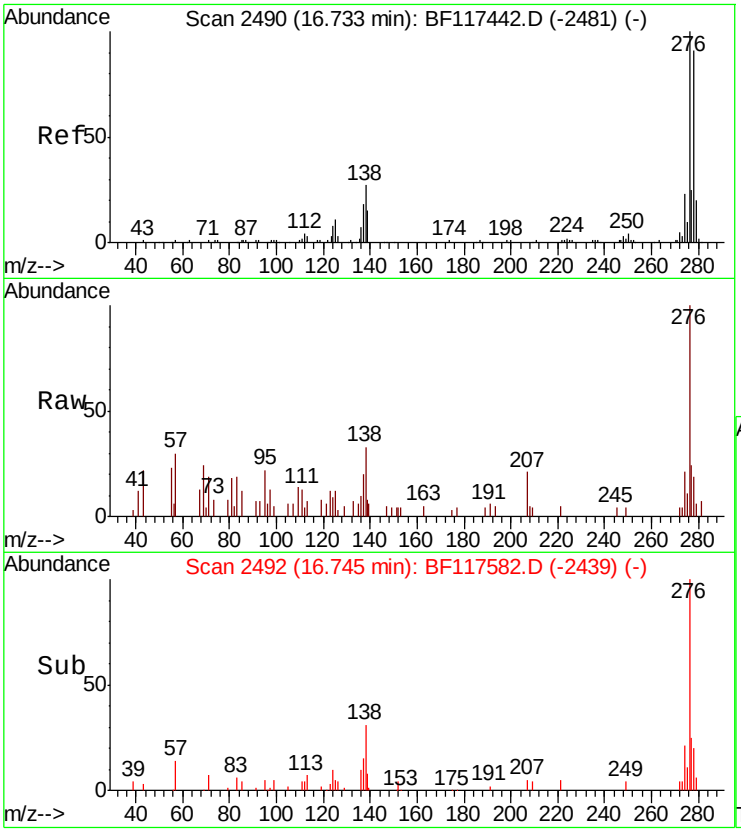


#83
Chrysene
Concen: 5.415 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:228 Resp: 30532

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	22.3	15.8	23.6





#86
Indeno(1,2,3-cd)pyrene
Concen: 4.384 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:276 Resp: 18454

Ion	Ratio	Lower	Upper
276	100		
138	34.8	21.8	32.8#
277	24.7	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
176-28-(0-2.5)

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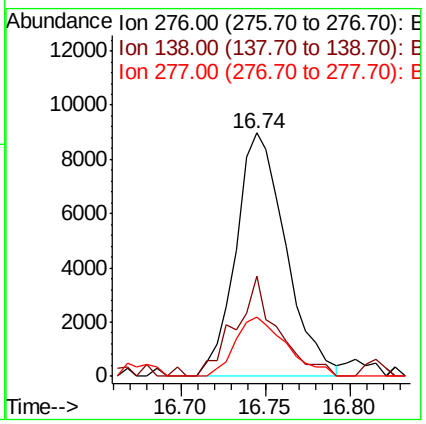
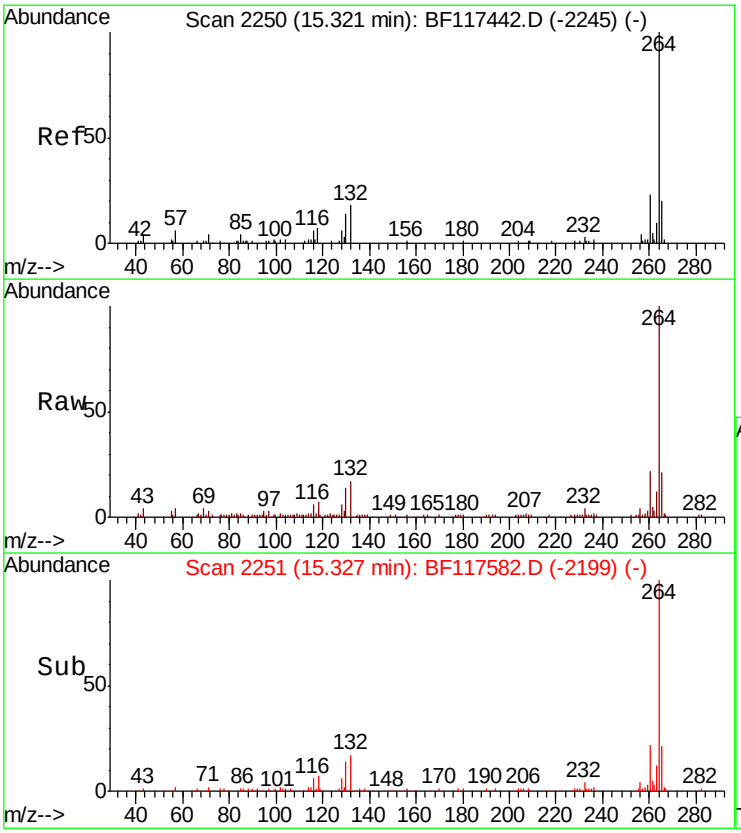
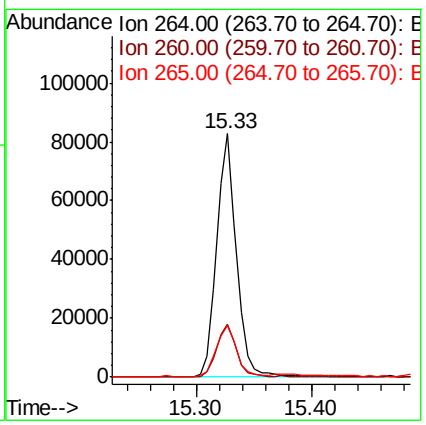


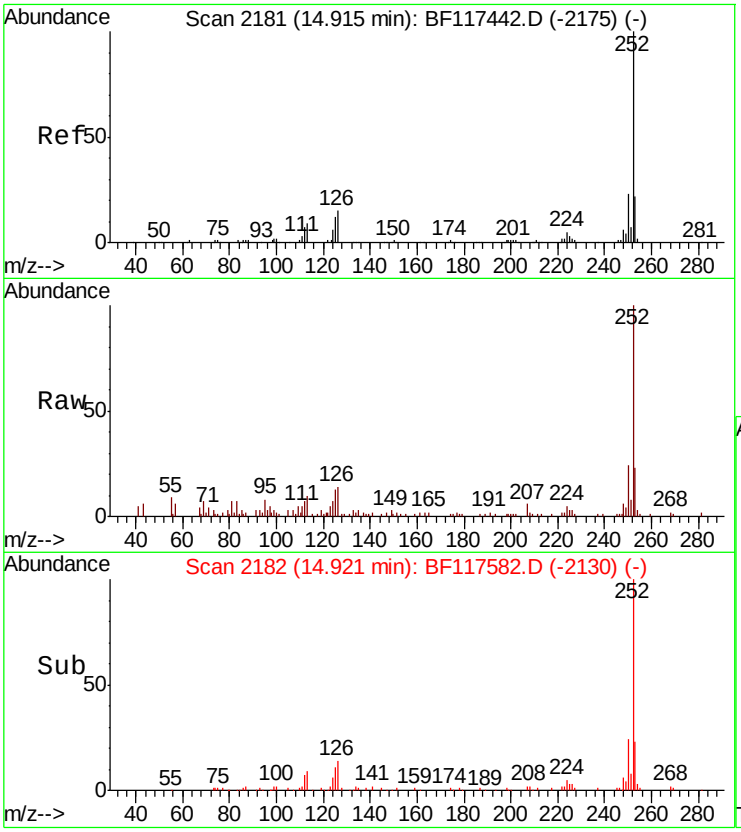


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:264 Resp: 98239

Ion	Ratio	Lower	Upper
264	100		
260	21.6	18.4	27.6
265	21.5	16.1	24.1





#88
Benzo(b)fluoranthene
Concen: 8.291 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:252 Resp: 48098

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	13.0	9.9	14.9

Instrument :
BNA_F
ClientSampleId :
176-28-(0-2.5)

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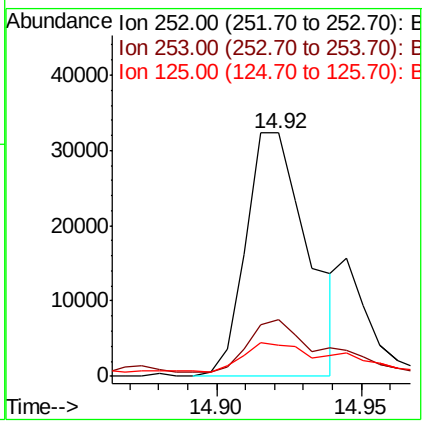
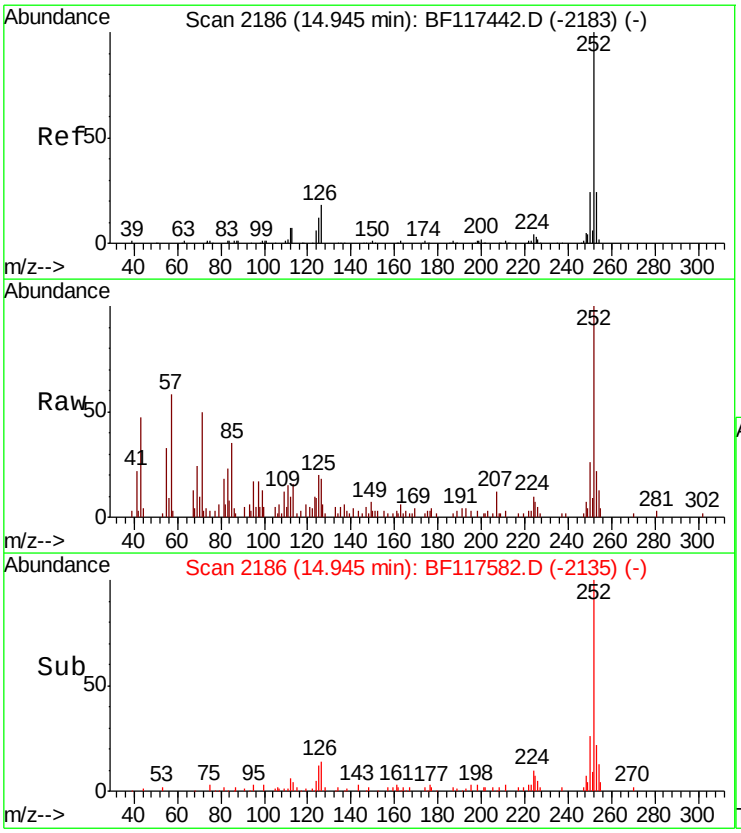
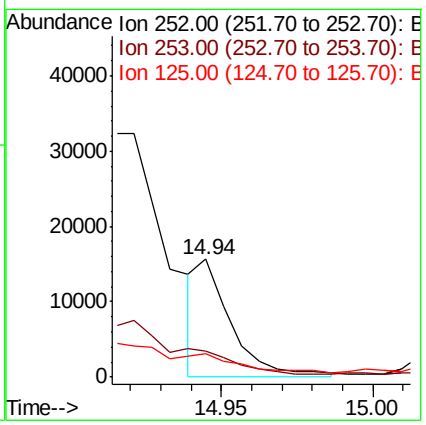


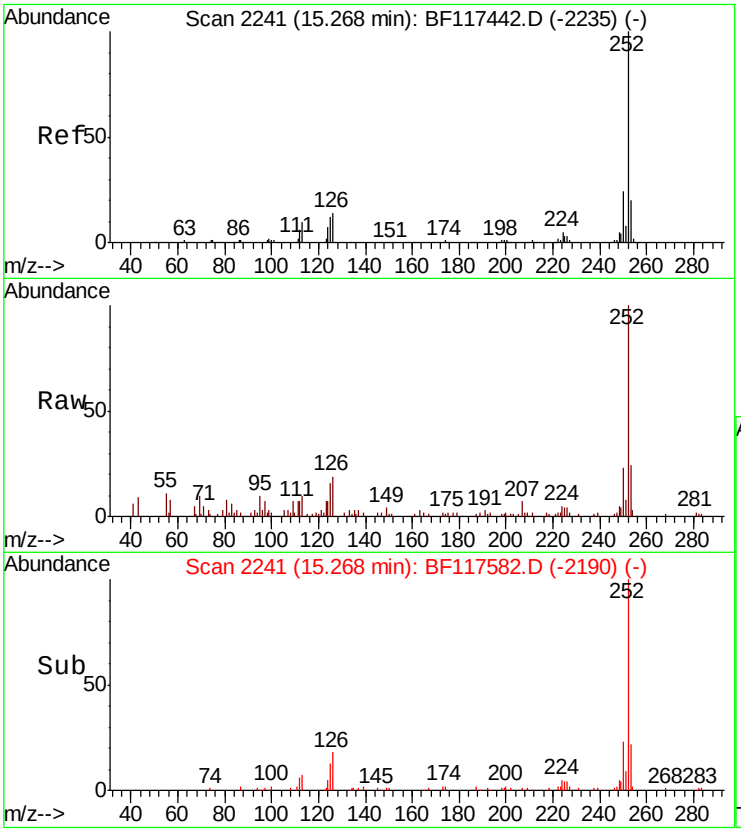


#89
Benzo(k)fluoranthene
Concen: 2.042 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:252 Resp: 12140

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	19.8	8.9	13.3#

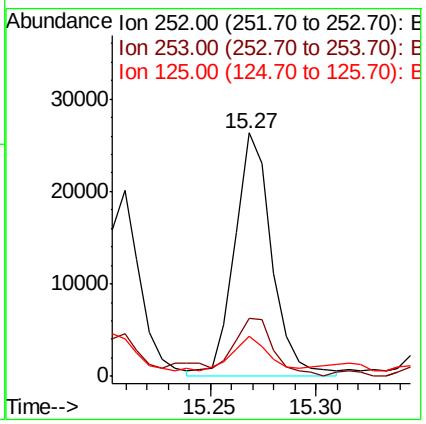




#90
Benzo(a)pyrene
Concen: 6.127 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:252 Resp: 32318

Ion	Ratio	Lower	Upper
252	100		
253	24.0	16.3	24.5
125	16.3	9.2	13.8#



Instrument :
BNA_F
ClientSampleId :
176-28-(0-2.5)

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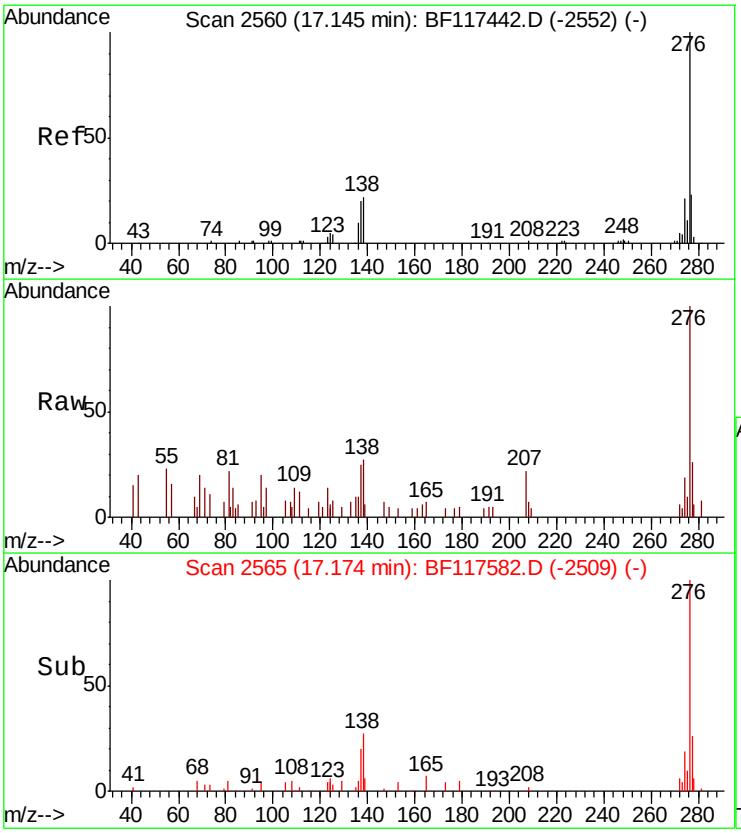

#92
Benzo(g,h,i)perylene
Concen: 4.071 ng m
RT: 17.17 min Scan# 2565
Delta R.T. 0.03 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:276 Resp: 17565

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.4	27.6
138	26.7	17.8	26.6#