Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
Data File : BF116636.D
Acq On : 29 Aug 2019 1:02
Operator : HP/JU
Sample : K4574-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 29 03:35:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 28 13:34:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	108615	20.00	ng		0.00
21) Naphthalene-d8	8.15	136	398768	20.00	ng		0.00
39) Acenaphthene-d10	9.90	164	185546	20.00	ng		0.00
64) Phenanthrene-d10	11.37	188	162892	20.00	ng		0.00
76) Chrysene-d12	14.01	240	87598	20.00	ng		0.00
87) Perylene-d12	15.46	264	104323	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	713049	113.39	ng		0.00
7) Phenol-d6	6.49	99	946553	111.03	ng		0.00
23) Nitrobenzene-d5	7.42	82	587711	84.33	ng		0.00
42) 2,4,6-Tribromophenol	10.68	330	113248	64.14	ng		0.00
45) 2-Fluorobiphenyl	9.22	172	943619	84.64	ng		0.00
79) Terphenyl-d14	12.96	244	388088	72.05	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.41	77	662	Below Cal		#	85
10) Phenol	6.50	94	58498	6.255	ng		97
25) Isophorone	7.42	82	585282	46.134	ng	#	65
32) Benzoic acid	7.84	122	9771	2.150	ng		95
50) Dimethylphthalate	9.60	163	96910	7.769	ng		99
52) Acenaphthene	9.93	154	26777	2.452	ng		99
56) 4-Nitrophenol	10.10	139	6187	2.478	ng	#	11
57) 2,4-Dinitrotoluene	9.90	165	24410	6.725	ng	#	27
67) 4-Bromophenyl-phenylether	10.68	248	7833	4.533	ng	#	1
71) Phenanthrene	11.40	178	235715	26.941	ng		99
72) Anthracene	11.45	178	49376	5.644	ng		99
73) Carbazole	11.60	167	25418	3.414	ng		97
74) Di-n-butylphthalate	11.94	149	119778	13.882	ng		98
75) Fluoranthene	12.59	202	241238	30.744	ng		98
78) Pyrene	12.82	202	178562	22.168	ng		97
81) Benzo(a)anthracene	14.00	228	69254	11.858	ng		98
83) Chrysene	14.03	228	72868	12.745	ng		97
86) Indeno(1,2,3-cd)pyrene	16.91	276	35767	11.290	ng		96
88) Benzo(b)fluoranthene	15.04	252	123093	19.214	ng		99
89) Benzo(k)fluoranthene	15.04	252	123093	20.213	ng		98
90) Benzo(a)pyrene	15.40	252	62927	11.006	ng		99
92) Benzo(g,h,i)perylene	17.35	276	31978	5.764	ng		97

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

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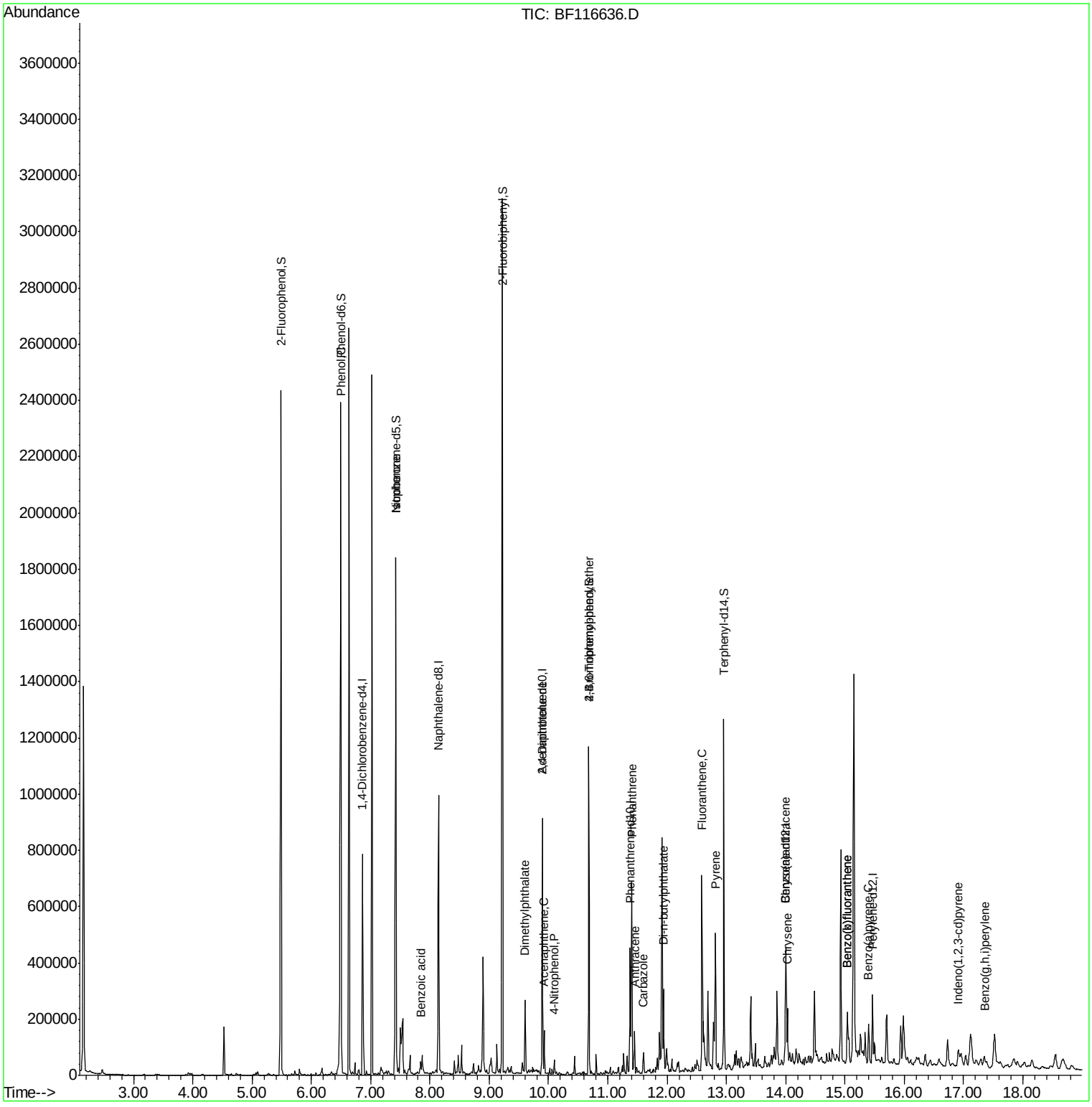
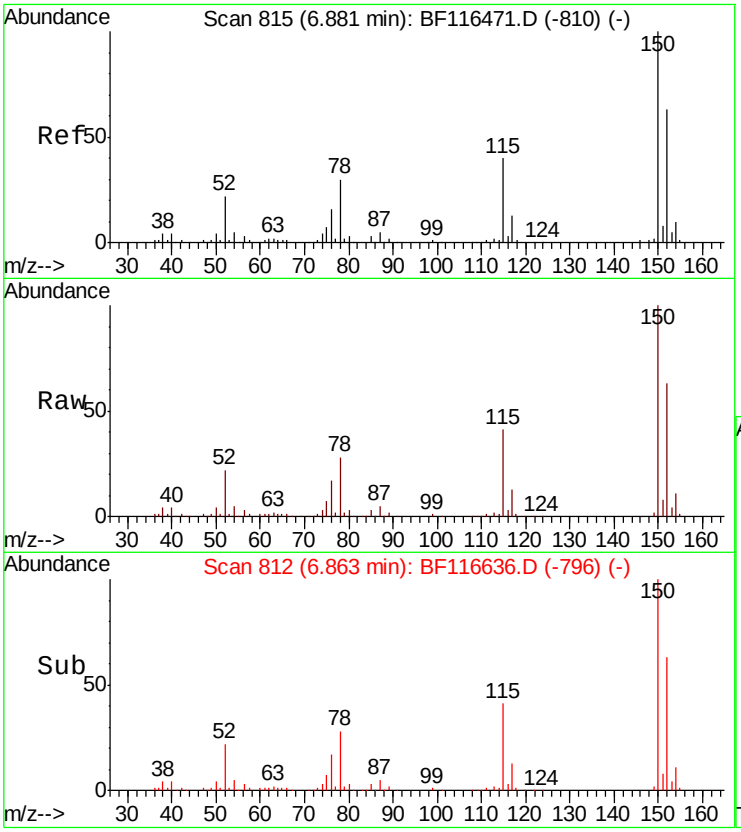


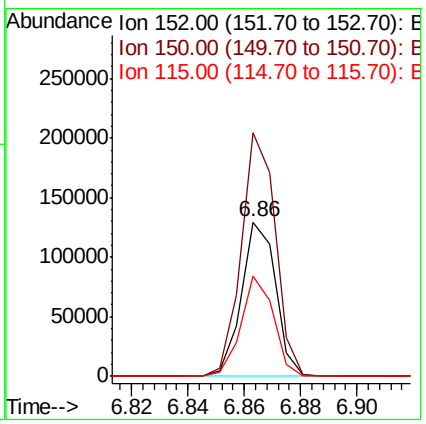


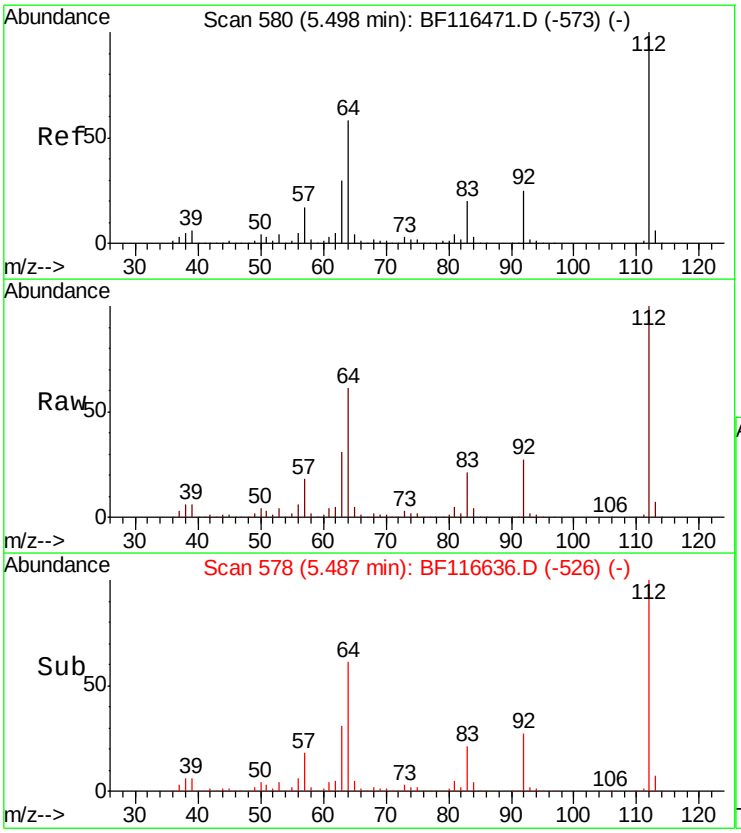
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 108615

Ion	Ratio	Lower	Upper
152	100		
150	157.8	123.4	185.2
115	64.6	48.2	72.2

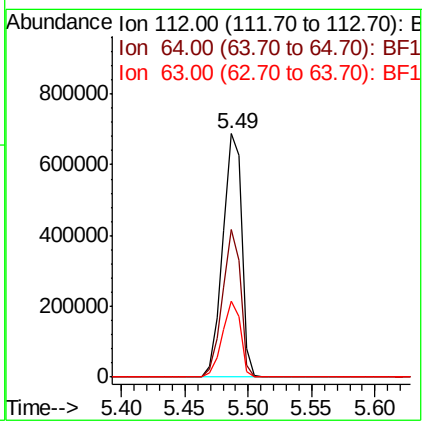


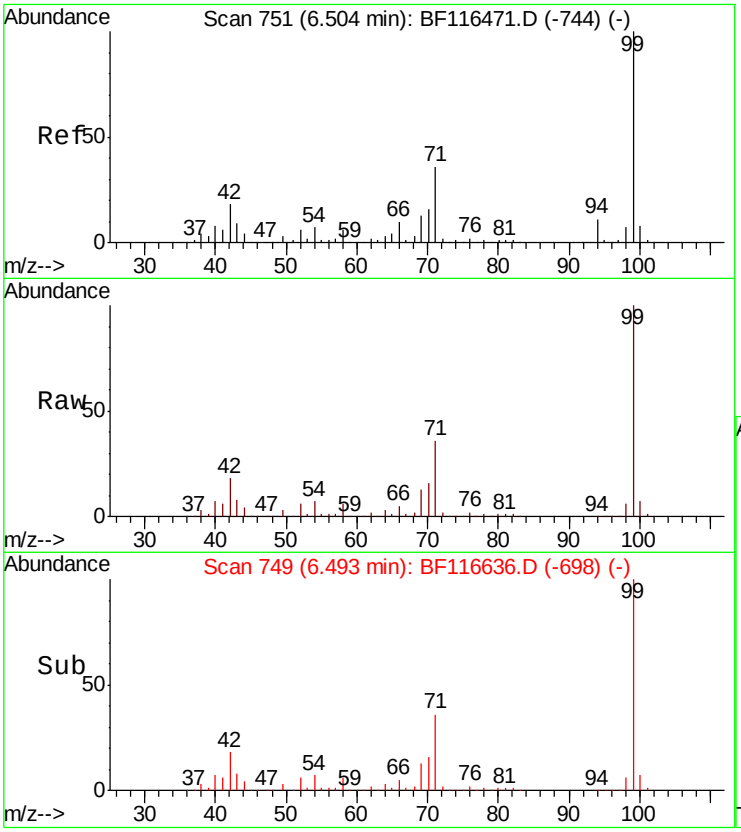


#5
2-Fluorophenol
Concen: 113.391 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion:112 Resp: 713049

Ion	Ratio	Lower	Upper
112	100		
64	60.8	48.0	72.0
63	31.1	24.6	36.8



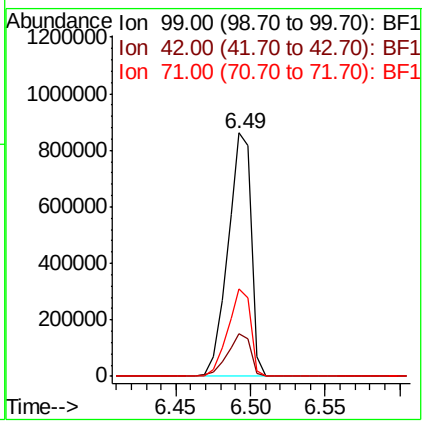


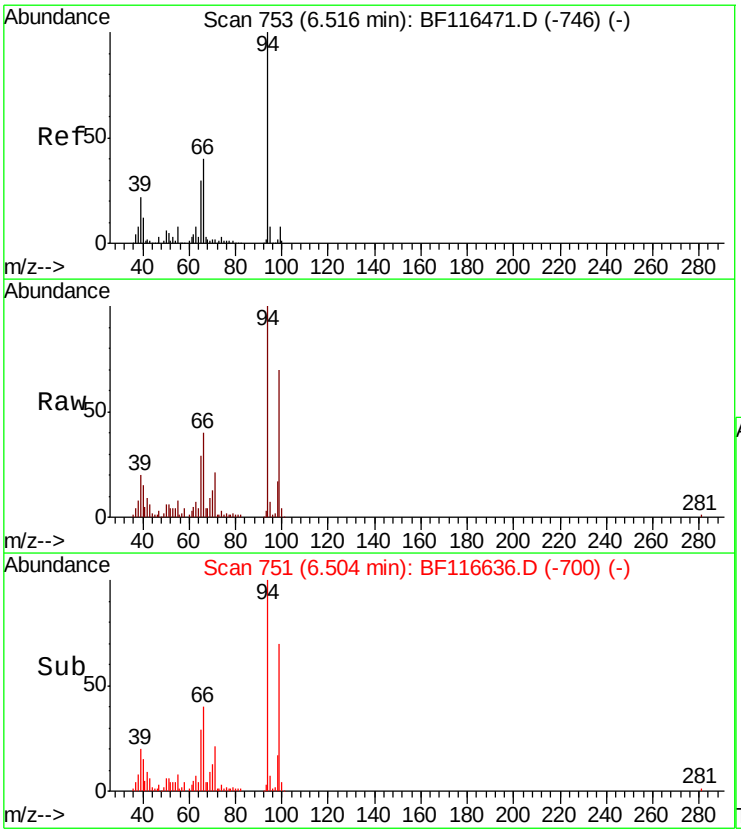
#7
Phenol-d6
Concen: 111.027 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 946553

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.2	19.8
71	35.9	27.4	41.2

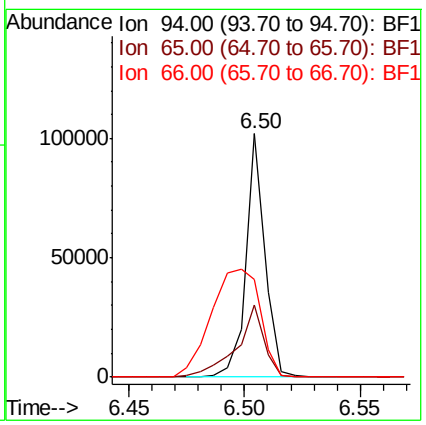


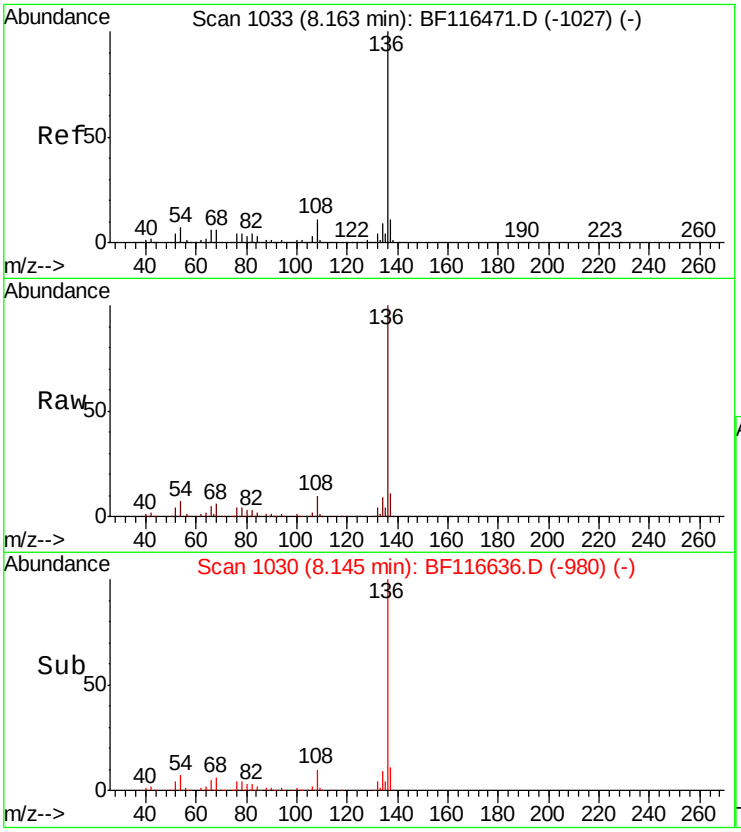


#10
Phenol
Concen: 6.255 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.00 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion: 94 Resp: 58498

Ion	Ratio	Lower	Upper
94	100		
65	29.5	8.6	48.6
66	40.4	18.0	58.0



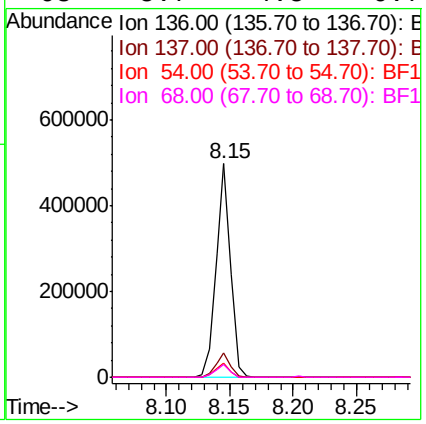


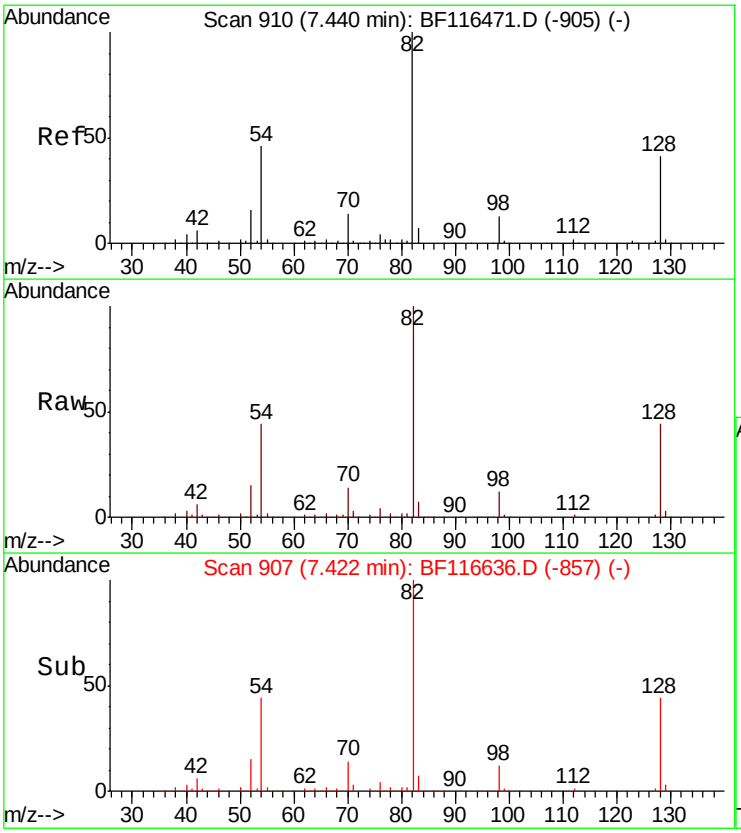
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 398768

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	6.7	5.0	7.4
68	5.7	4.5	6.7

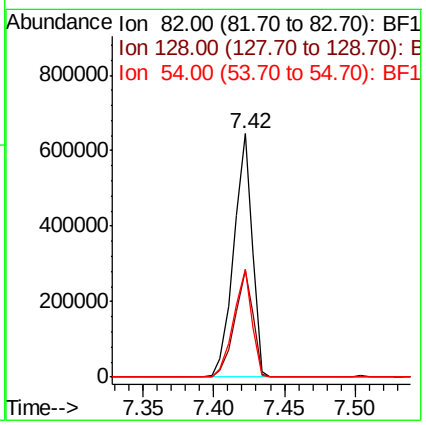


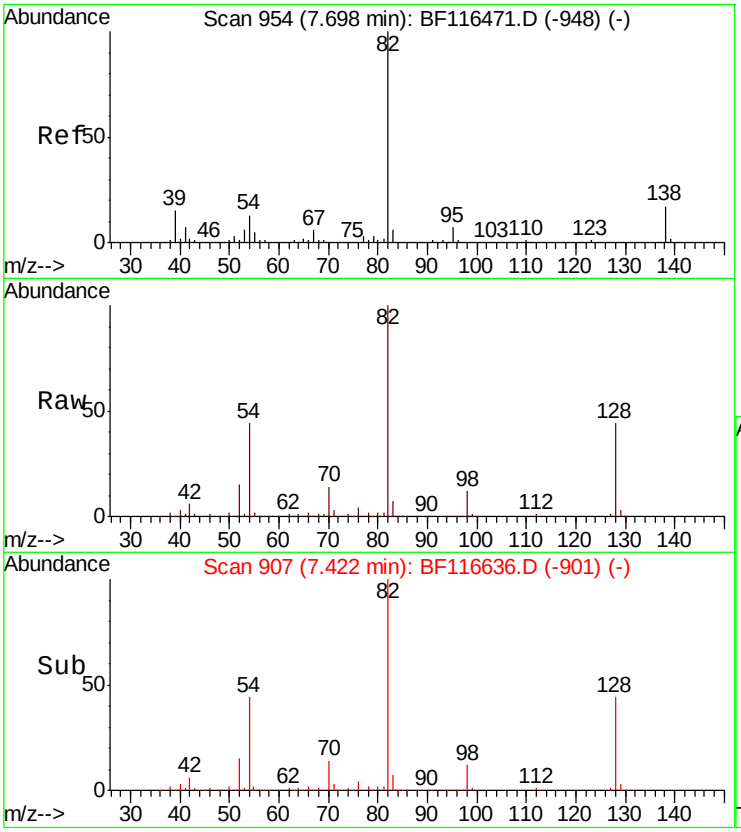


#23
Nitrobenzene-d5
Concen: 84.332 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion: 82 Resp: 587711

Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.0	52.6
54	44.3	34.4	51.6



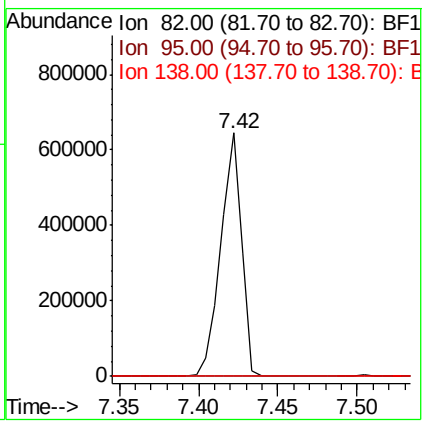


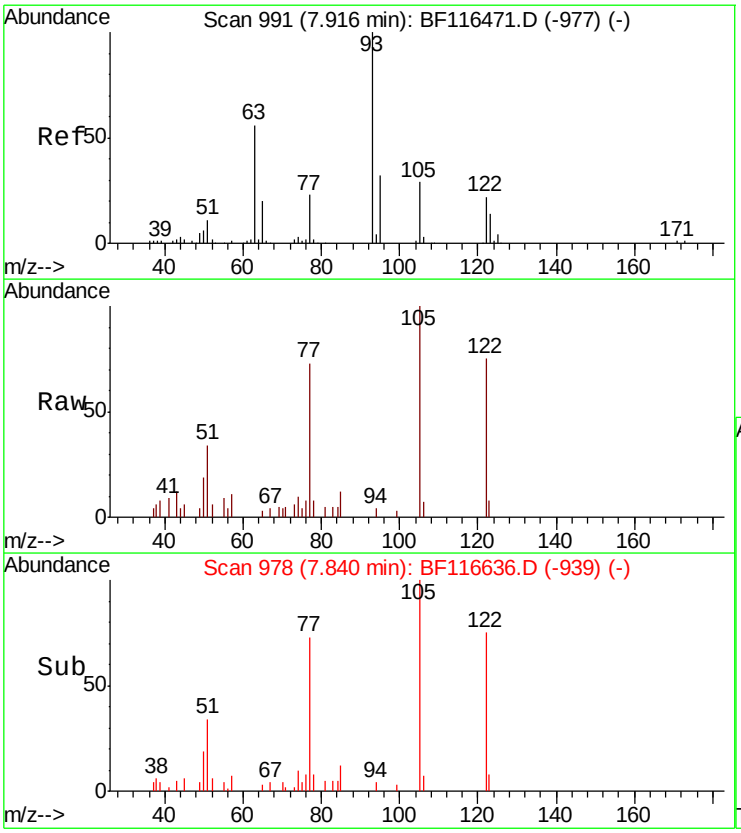
#25
Isophorone
Concen: 46.134 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 585282

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.6	8.4#
138	0.0	14.4	21.6#

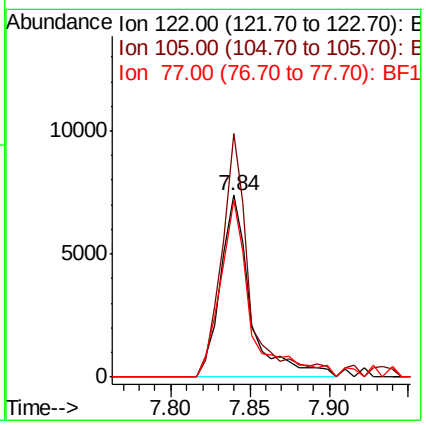


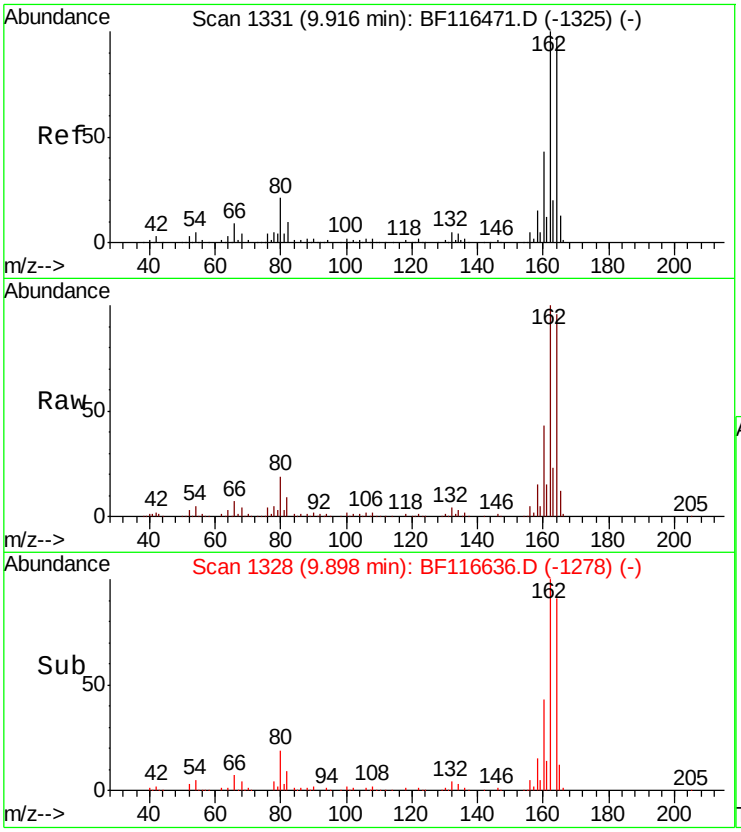


#32
Benzoic acid
Concen: 2.150 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.07 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion:122 Resp: 9771

Ion	Ratio	Lower	Upper
122	100		
105	133.7	105.8	145.8
77	97.3	74.1	114.1



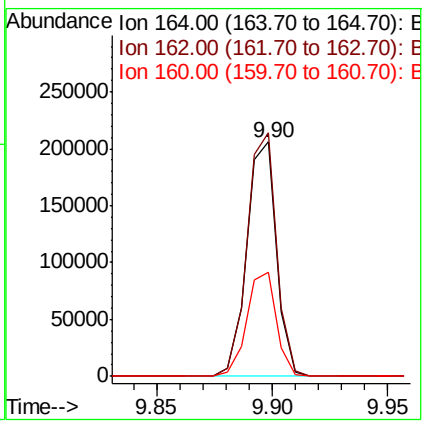


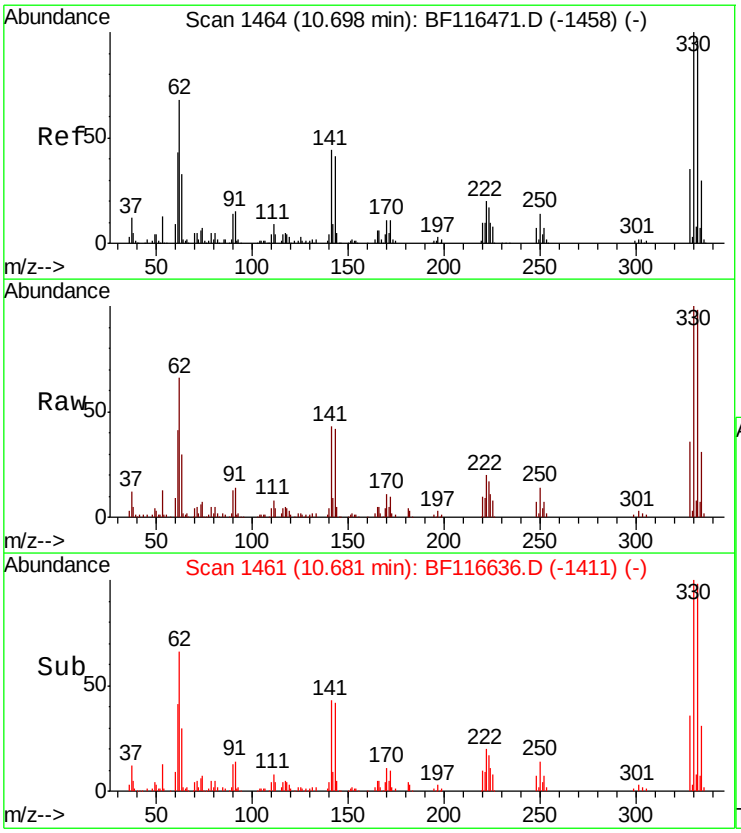
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 185546

Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.4	125.0
160	44.7	37.0	55.4

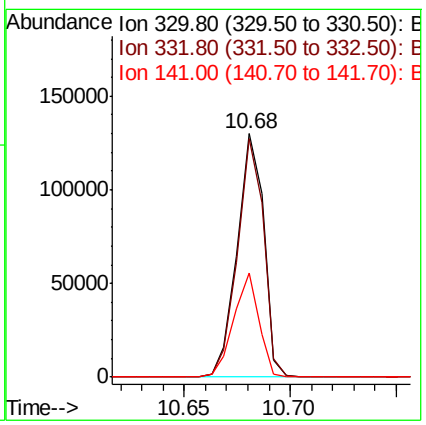


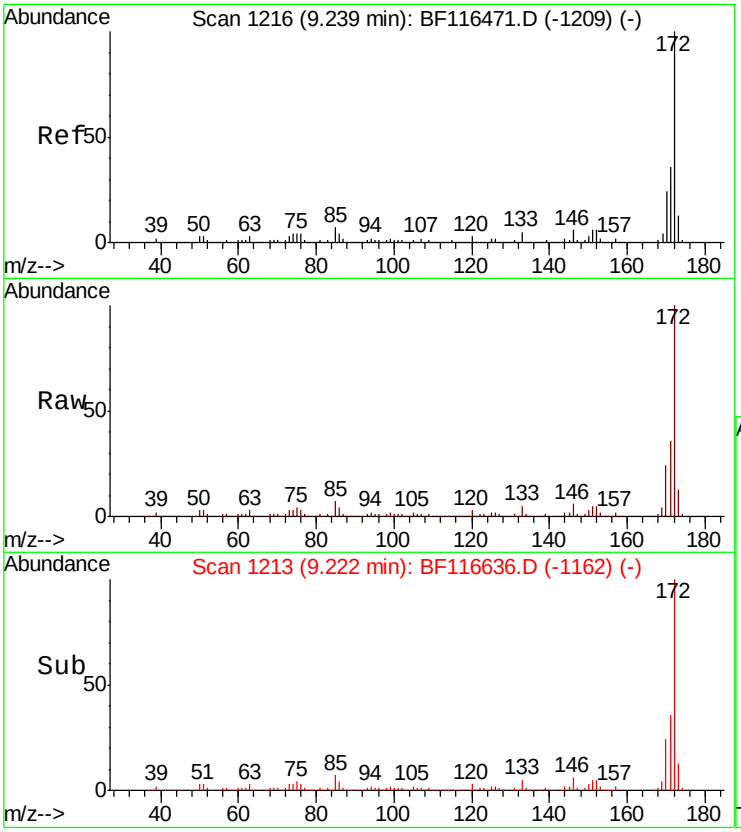


#42
2,4,6-Tribromophenol
Concen: 64.139 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion:330 Resp: 113248

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.5	116.3
141	40.3	28.2	42.2



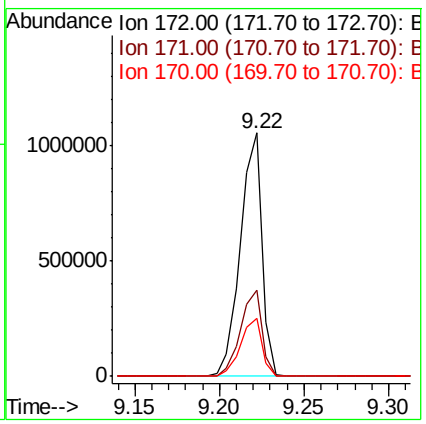


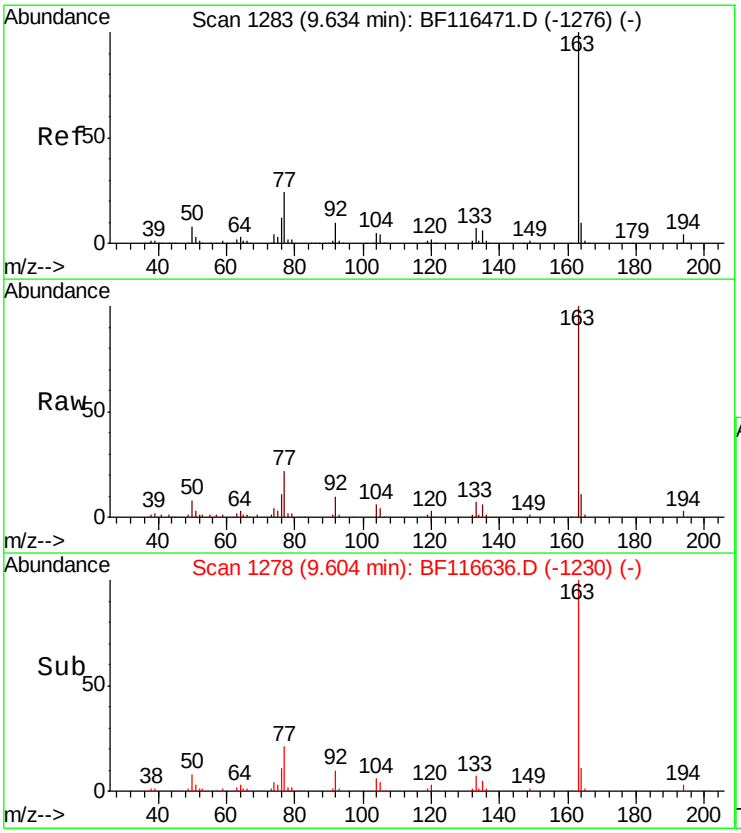
#45
2-Fluorobiphenyl
Concen: 84.635 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 943619

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.6
170	23.9	19.3	28.9

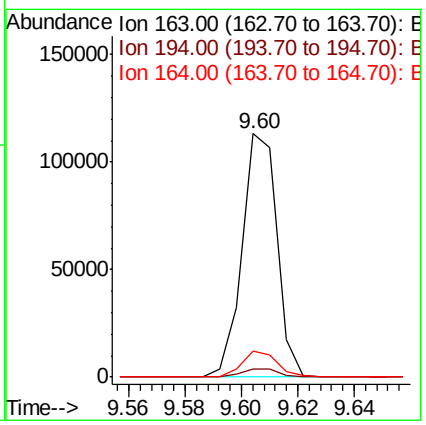


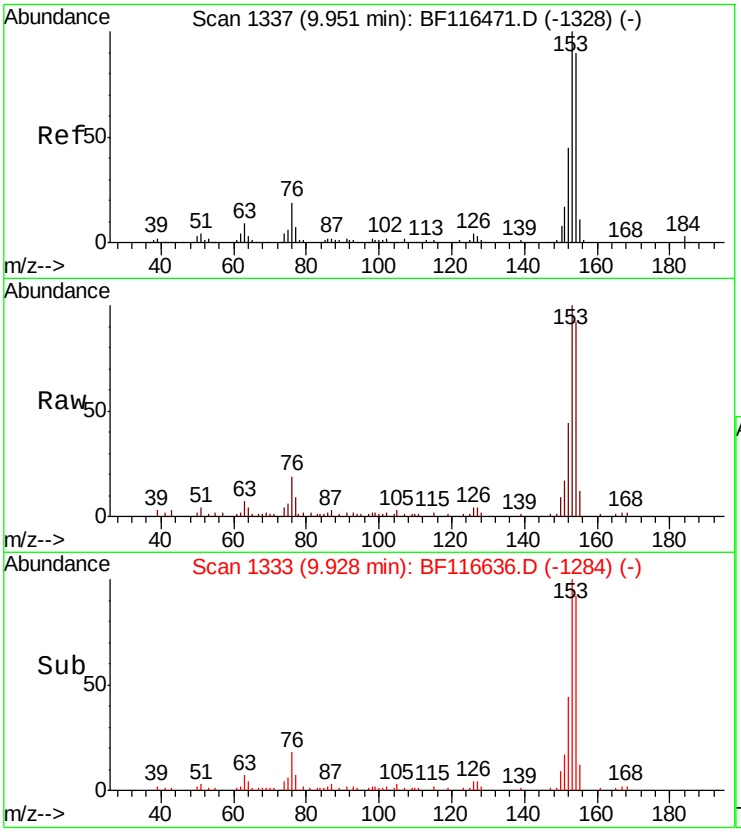


#50
Dimethylphthalate
Concen: 7.769 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion:163 Resp: 96910

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.6
164	10.6	8.2	12.2



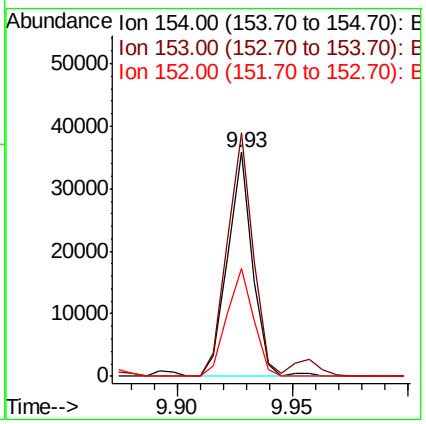


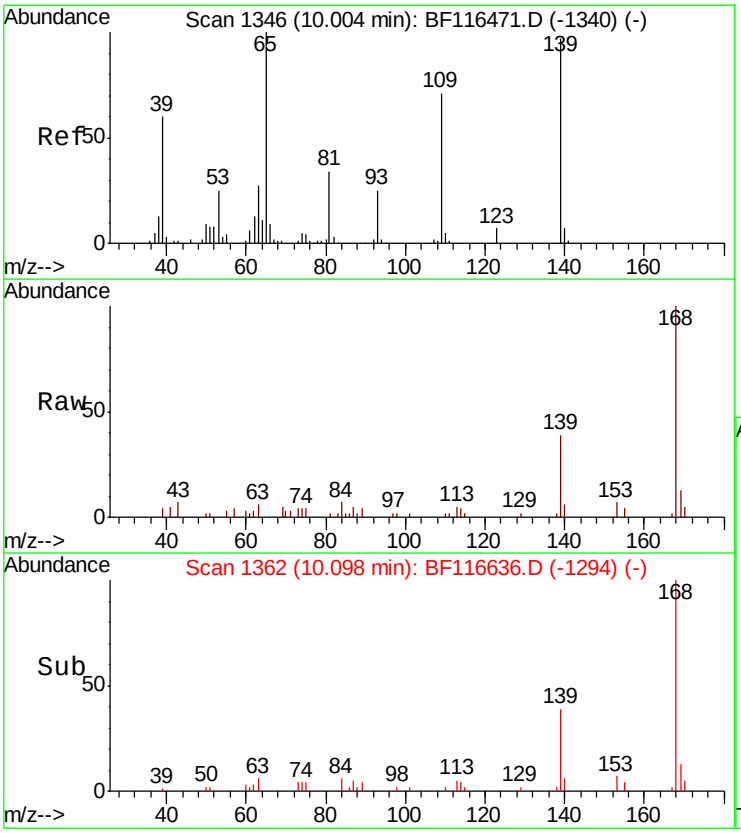
#52
Acenaphthene
Concen: 2.452 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 26777

Ion	Ratio	Lower	Upper
154	100		
153	108.5	86.6	129.8
152	48.1	39.4	59.0

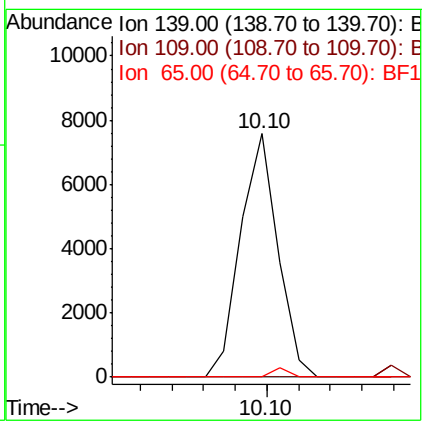


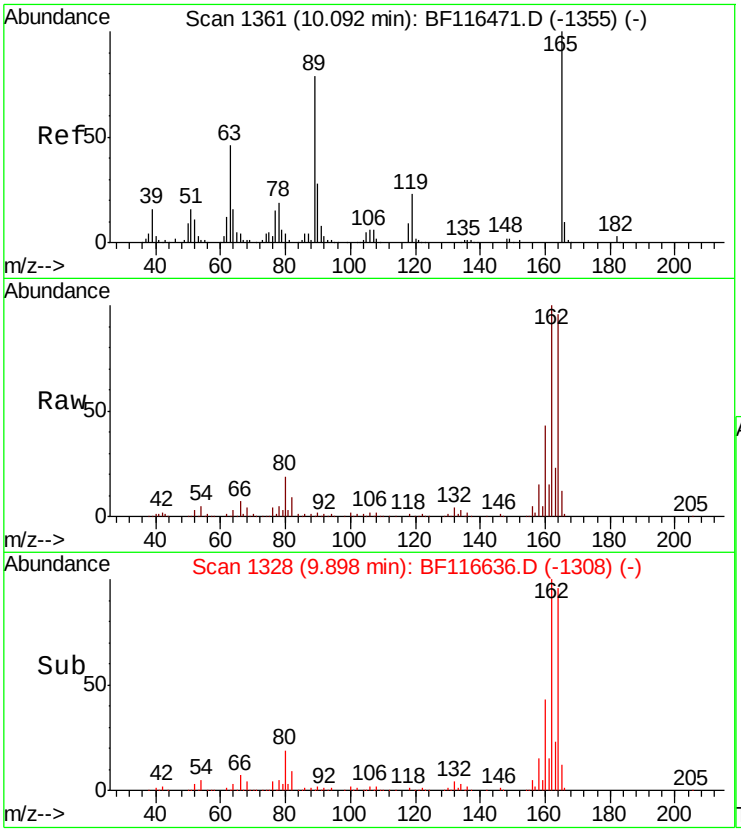


#56
4-Nitrophenol
Concen: 2.478 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.10 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion:139 Resp: 6187

Ion	Ratio	Lower	Upper
139	100		
109	0.0	45.5	85.5#
65	0.0	66.8	106.8#



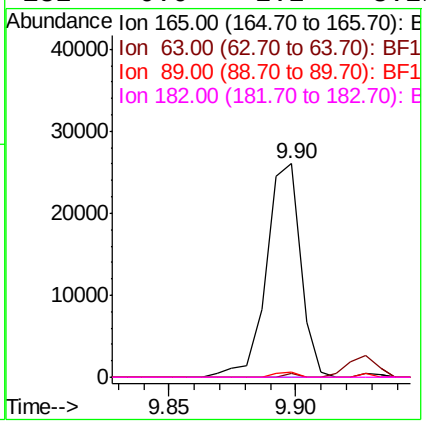


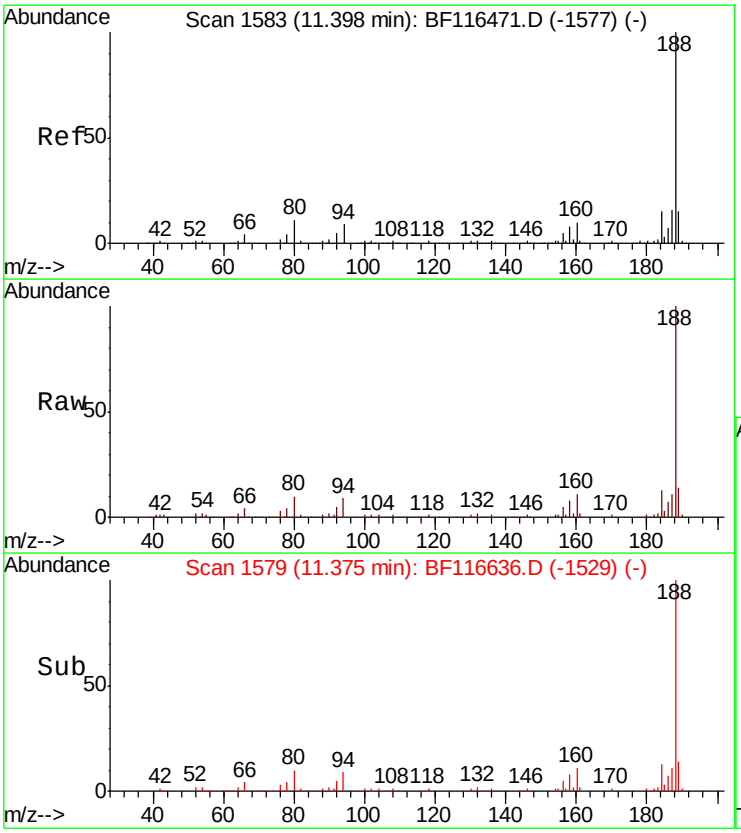
#57
2,4-Dinitrotoluene
Concen: 6.725 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.18 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 24410

Ion	Ratio	Lower	Upper
165	100		
63	1.6	30.9	46.3#
89	2.1	55.0	82.6#
182	0.0	2.2	3.2#

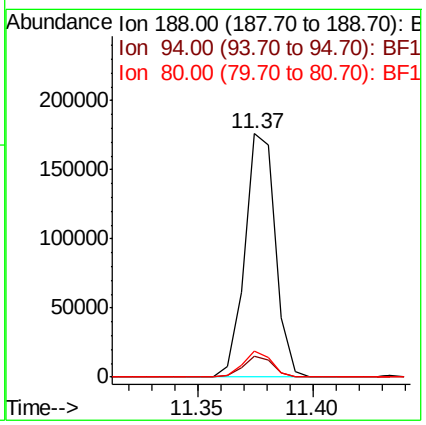


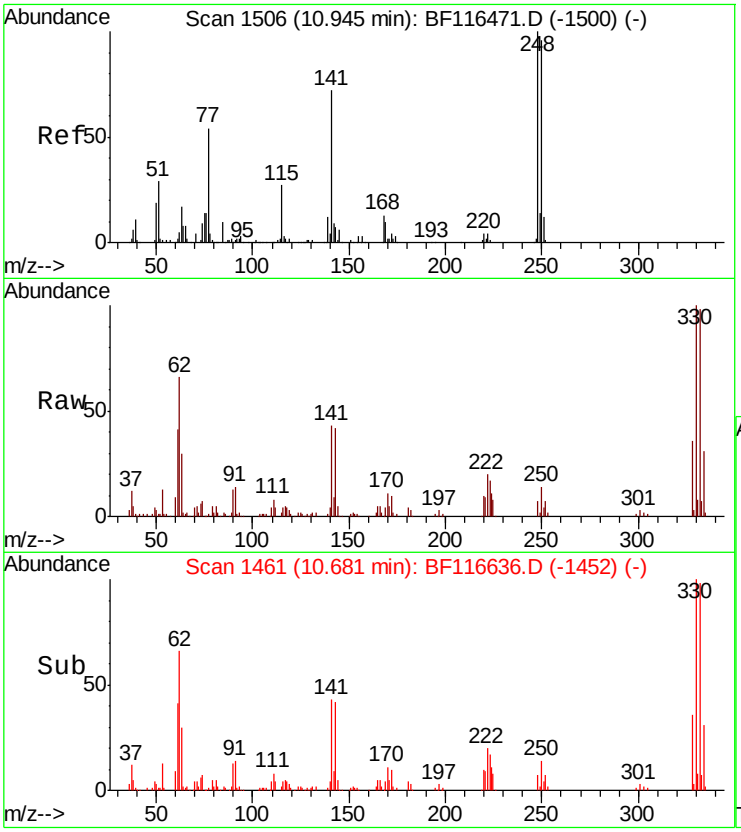


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion:188 Resp: 162892

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.4
80	10.4	8.9	13.3



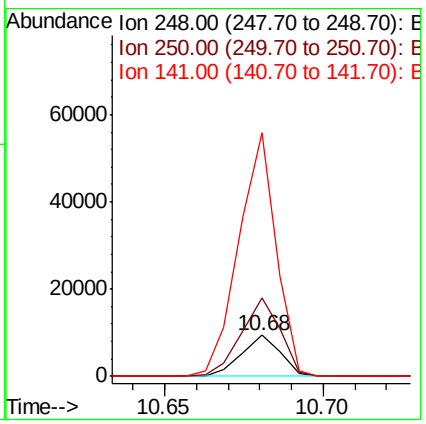


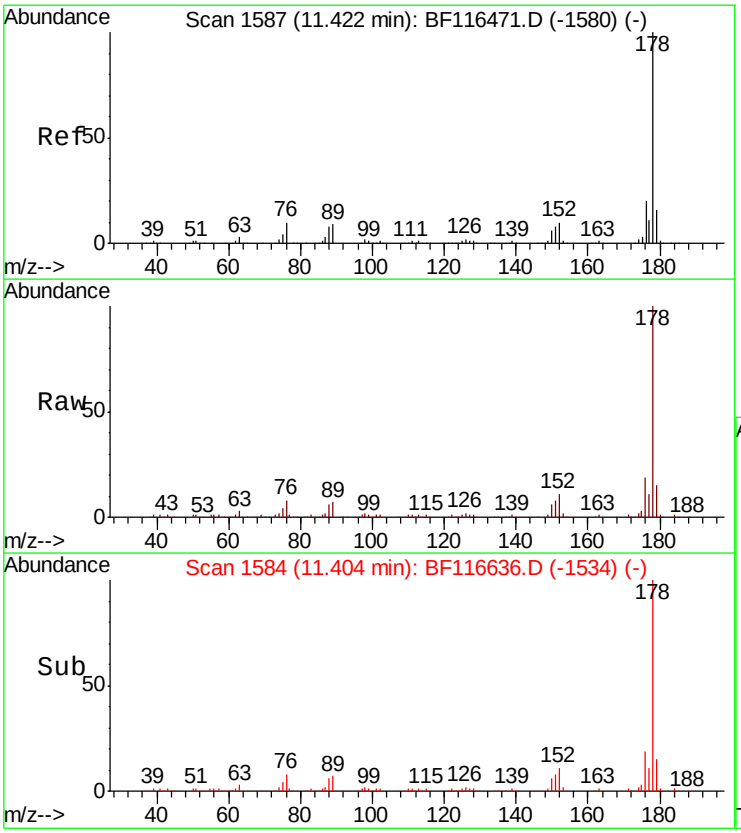
#67
4-Bromophenyl-phenylether
Concen: 4.533 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.25 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 7833

Ion	Ratio	Lower	Upper
248	100		
250	193.1	76.6	115.0#
141	595.4	60.8	91.2#

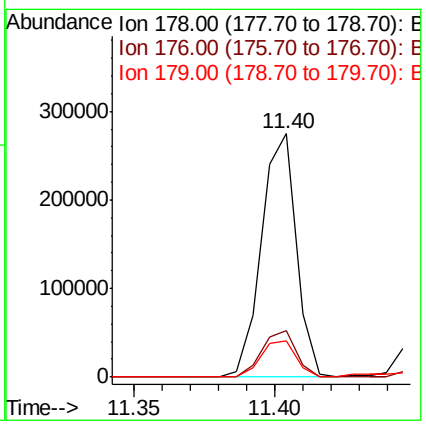


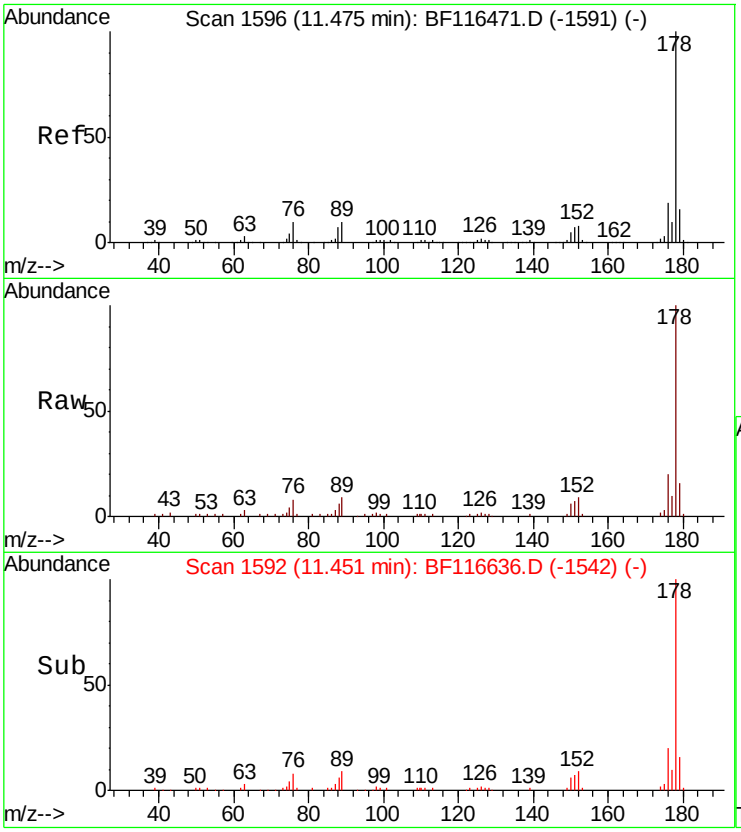


#71
Phenanthrene
Concen: 26.941 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion:178 Resp: 235715

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	14.8	12.4	18.6



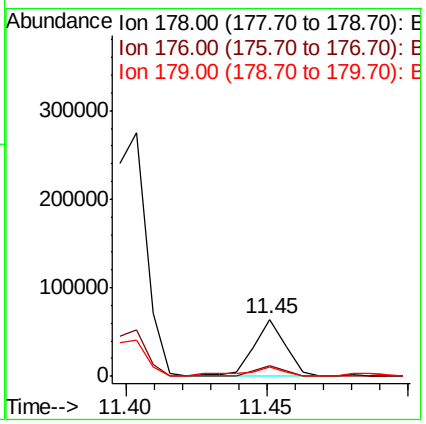


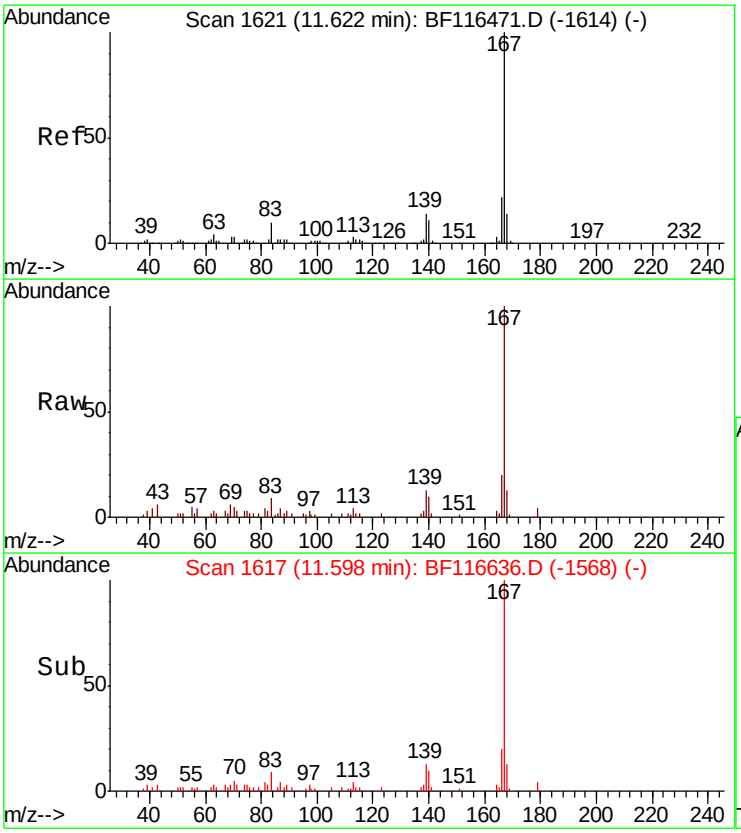
#72
Anthracene
Concen: 5.644 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 49376

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	15.9	12.7	19.1

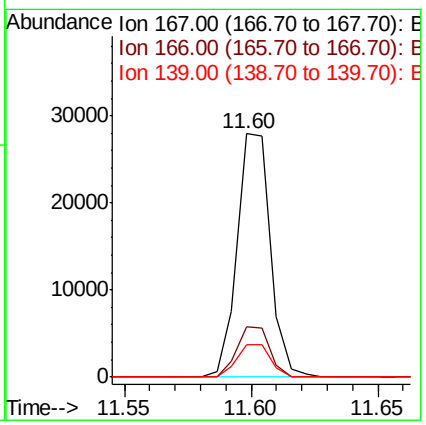


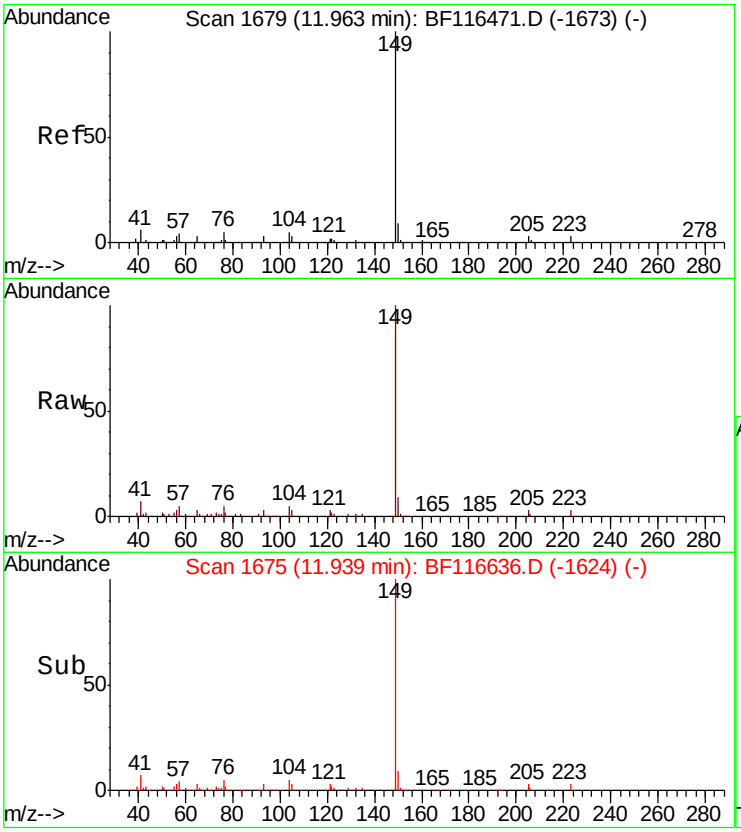


#73
Carbazole
Concen: 3.414 ng
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion:167 Resp: 25418

Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.9	26.9
139	13.4	10.3	15.5



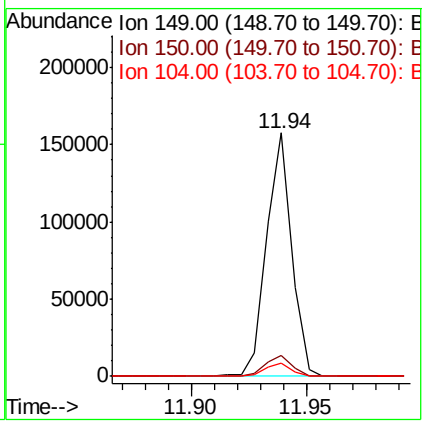


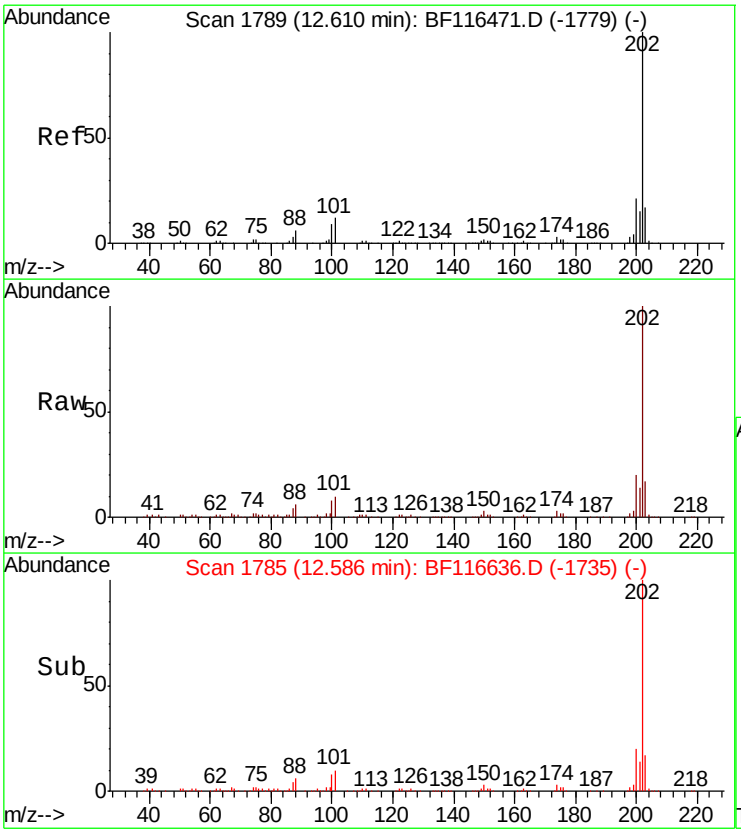
#74
Di-n-butylphthalate
Concen: 13.882 ng
RT: 11.94 min Scan# 1675
Delta R.T. 0.00 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:149 Resp: 119778

Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.7	11.5
104	5.2	4.2	6.4

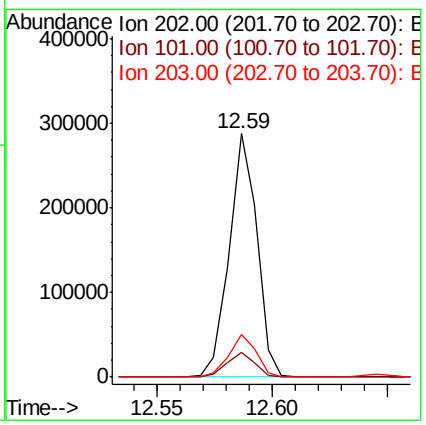


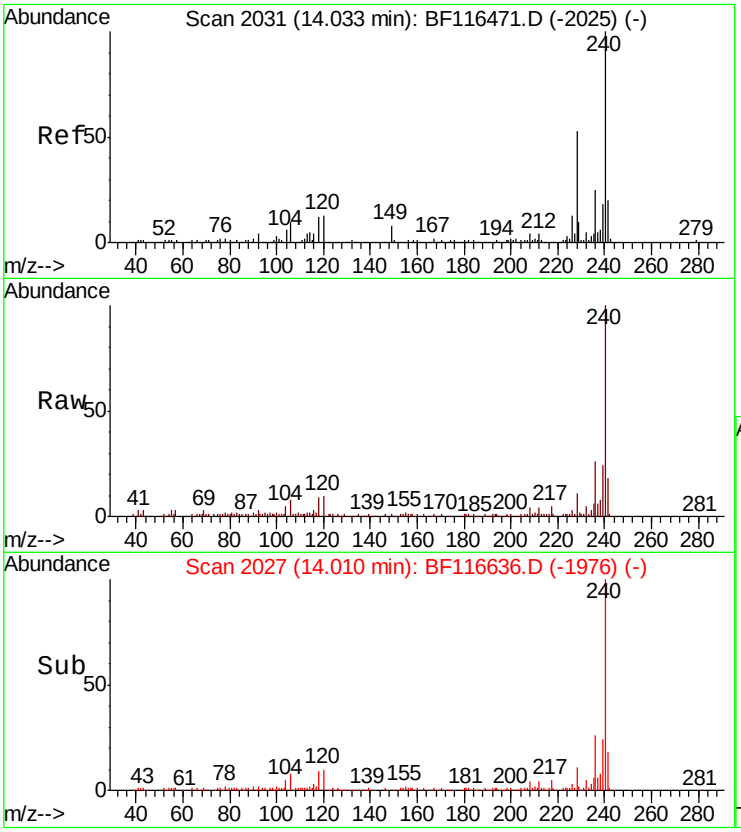


#75
Fluoranthene
Concen: 30.744 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion:202 Resp: 241238

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.8
203	17.4	0.0	37.1



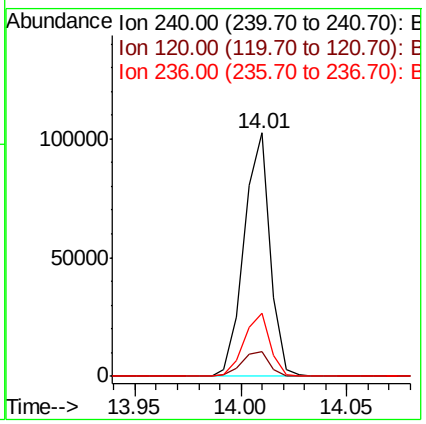


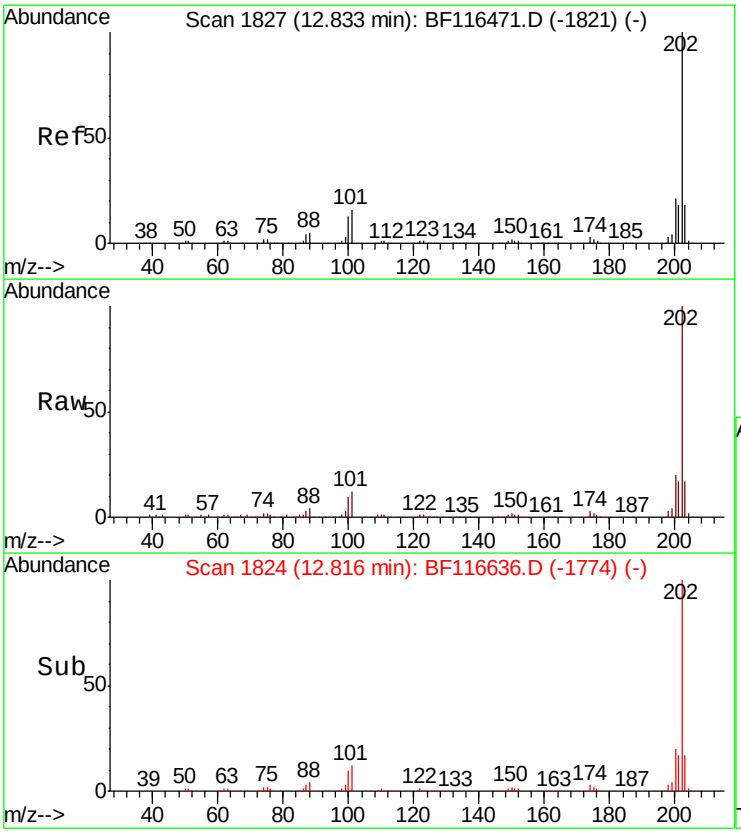
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 87598

Ion	Ratio	Lower	Upper
240	100		
120	10.1	11.3	16.9#
236	26.1	21.4	32.2

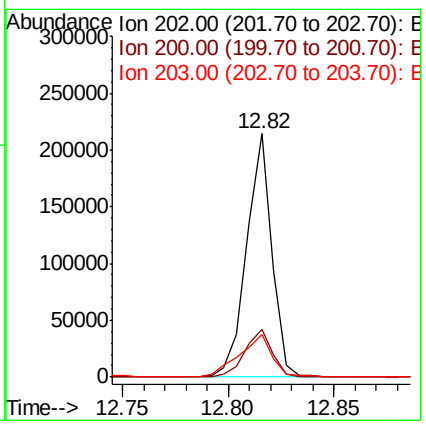


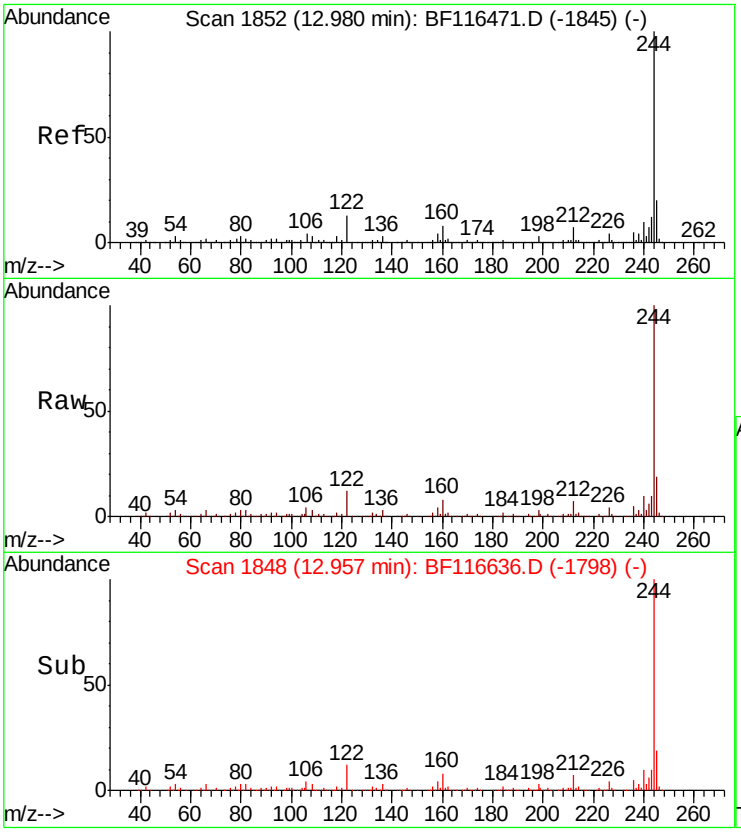


#78
Pyrene
Concen: 22.168 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion:202 Resp: 178562

Ion	Ratio	Lower	Upper
202	100		
200	19.5	17.4	26.0
203	17.5	14.2	21.4



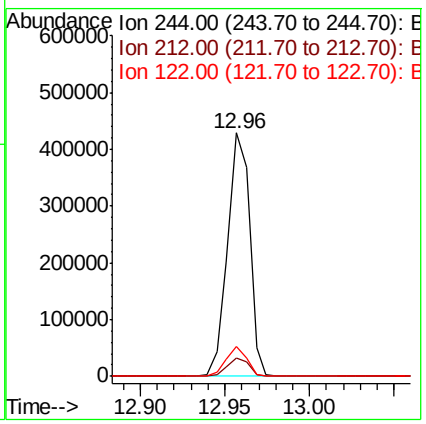


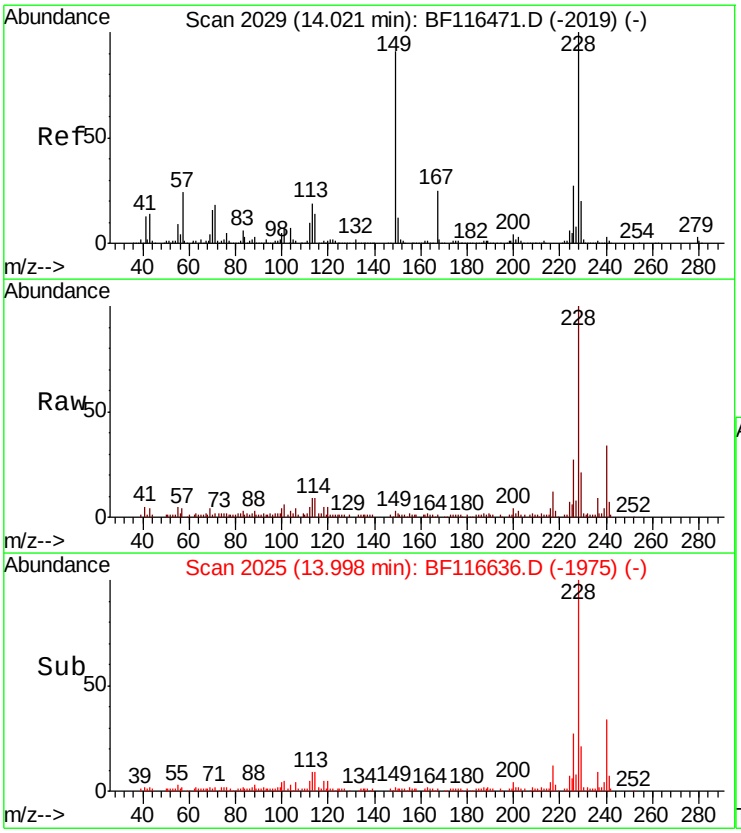
#79
Terphenyl-d14
Concen: 72.053 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 388088

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	12.3	10.0	15.0

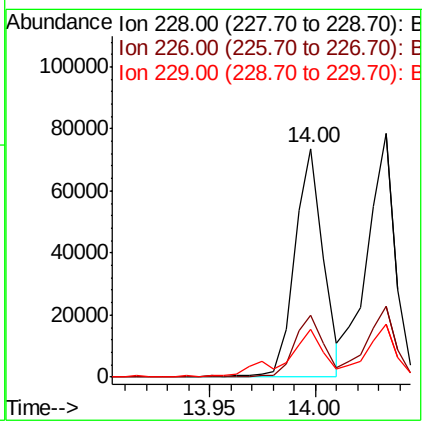


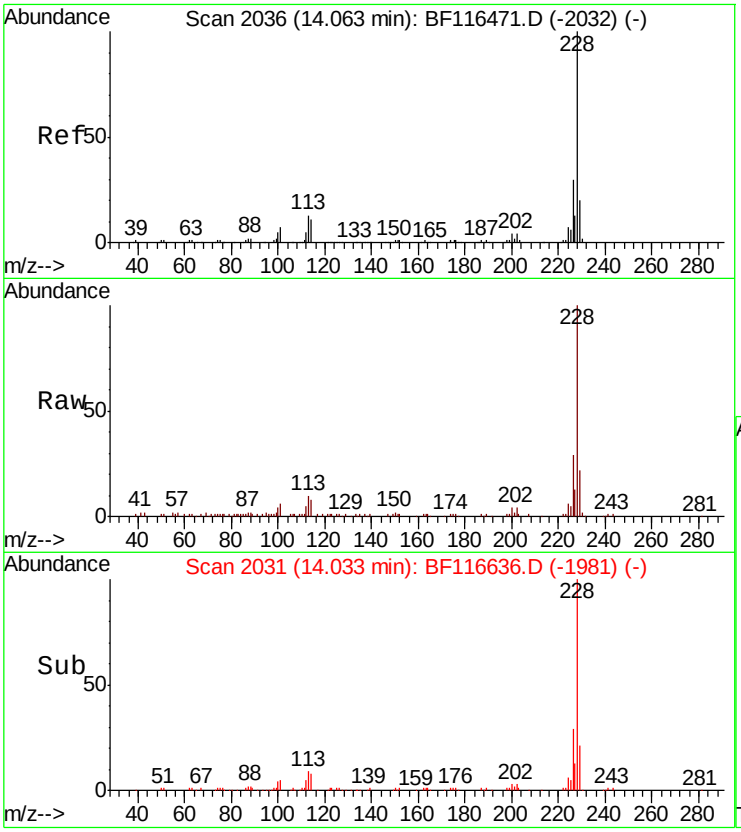


#81
Benzo(a)anthracene
Concen: 11.858 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion:228 Resp: 69254

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	20.9	15.4	23.0



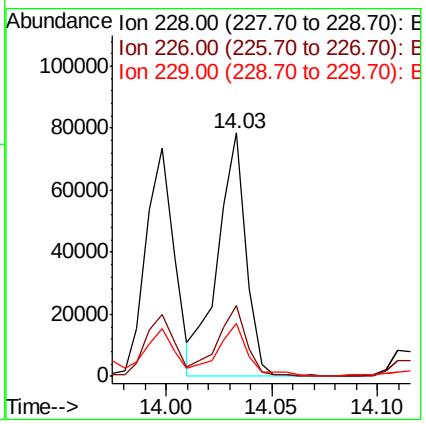


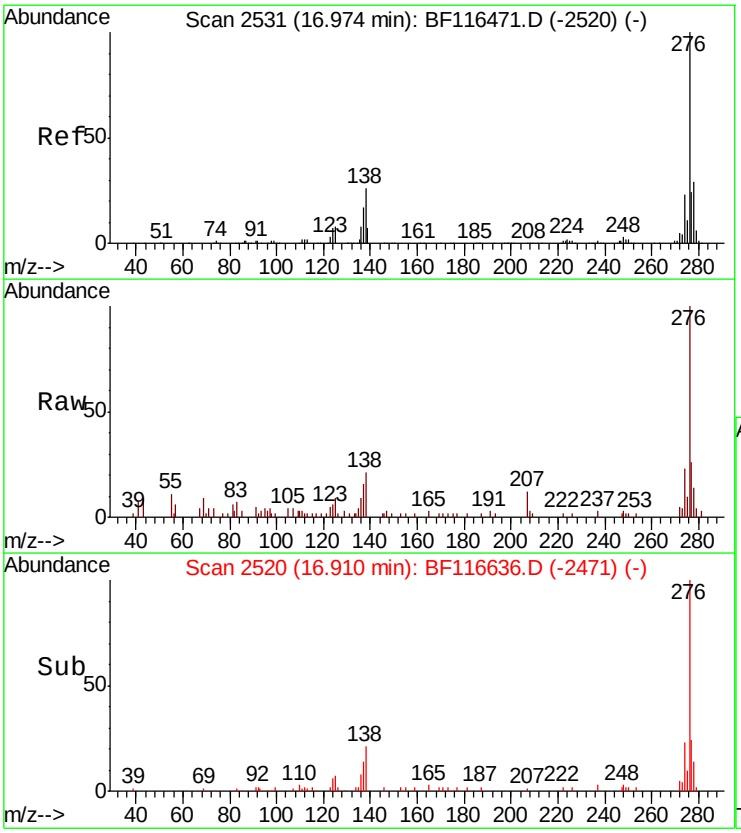
#83
Chrysene
Concen: 12.745 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 72868

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.0	36.0
229	21.7	15.8	23.8

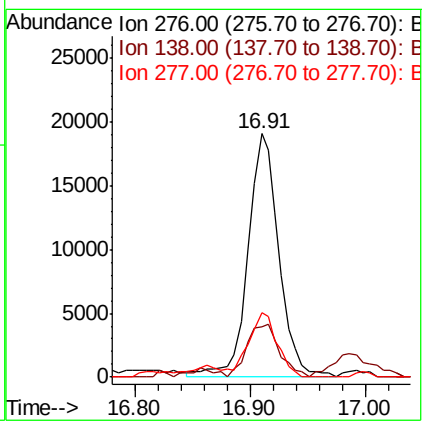


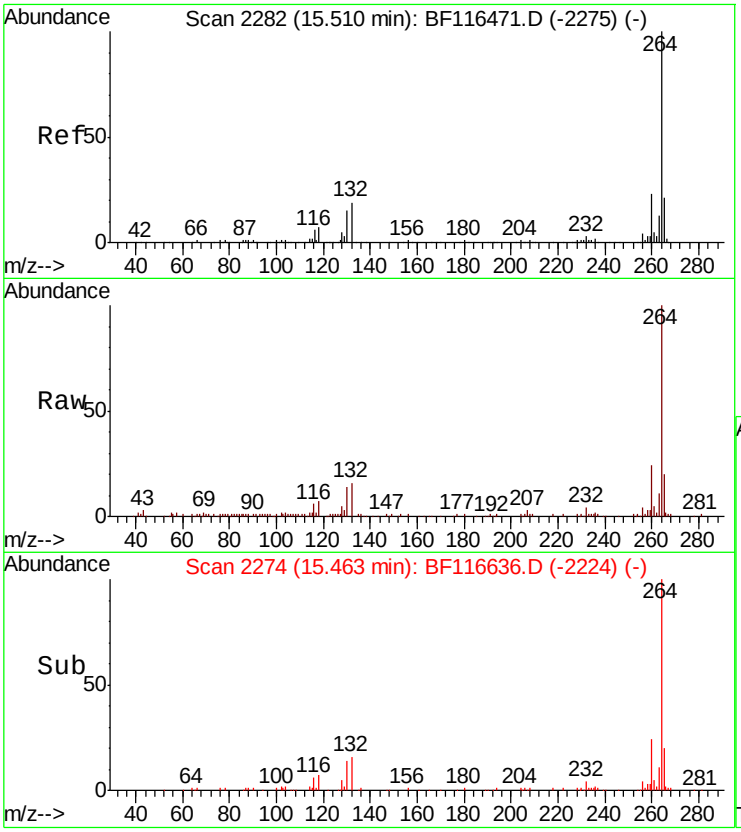


#86
Indeno(1,2,3-cd)pyrene
Concen: 11.290 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion:276 Resp: 35767

Ion	Ratio	Lower	Upper
276	100		
138	22.8	21.5	32.3
277	25.0	20.0	30.0



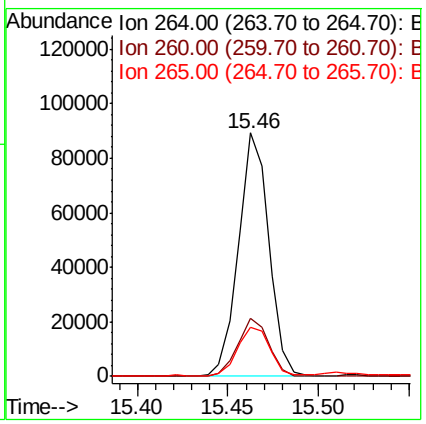


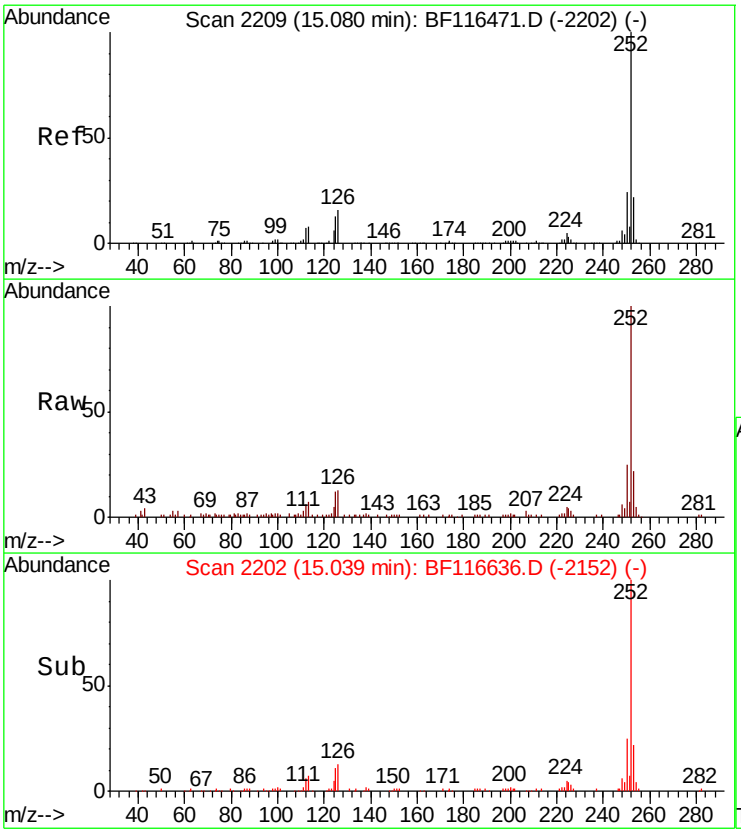
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 104323

Ion	Ratio	Lower	Upper
264	100		
260	23.7	20.0	30.0
265	20.2	17.6	26.4

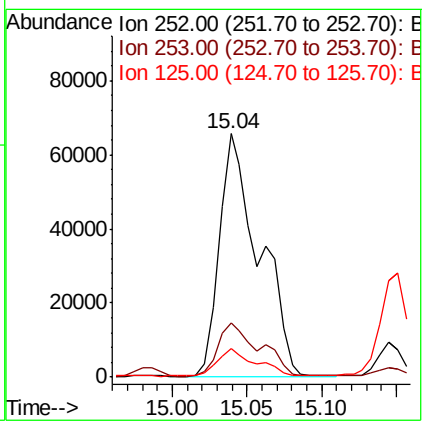


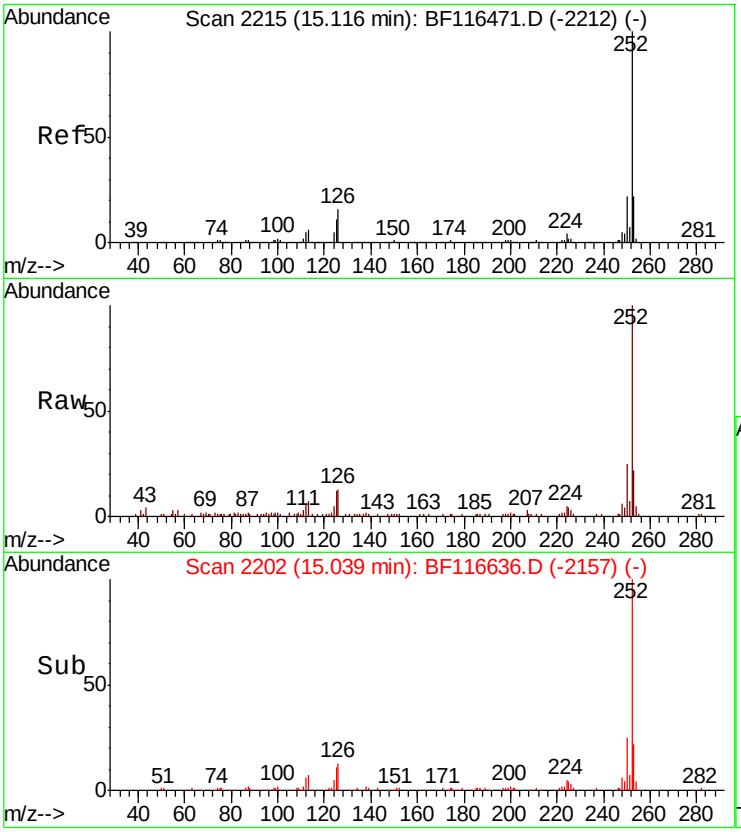


#88
Benzo(b)fluoranthene
Concen: 19.214 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion:252 Resp: 123093

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	11.6	9.0	13.6



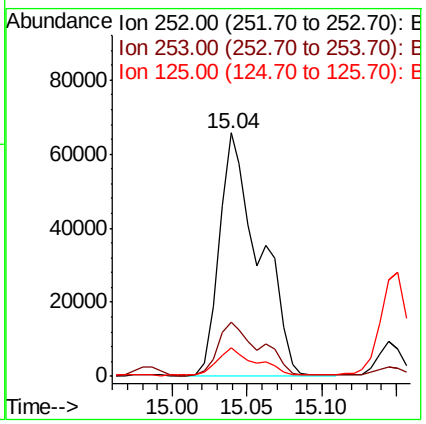


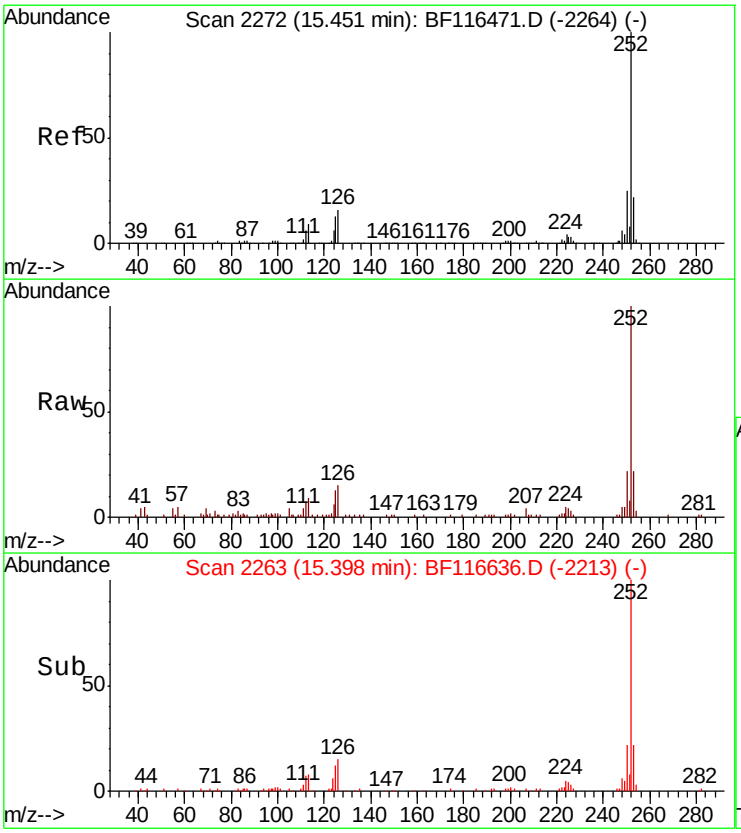
#89
Benzo(k)fluoranthene
Concen: 20.213 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 123093

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	11.6	8.6	13.0

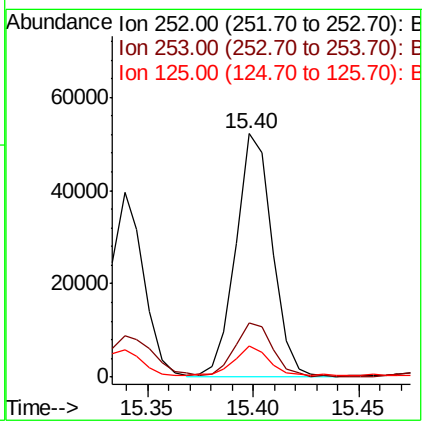


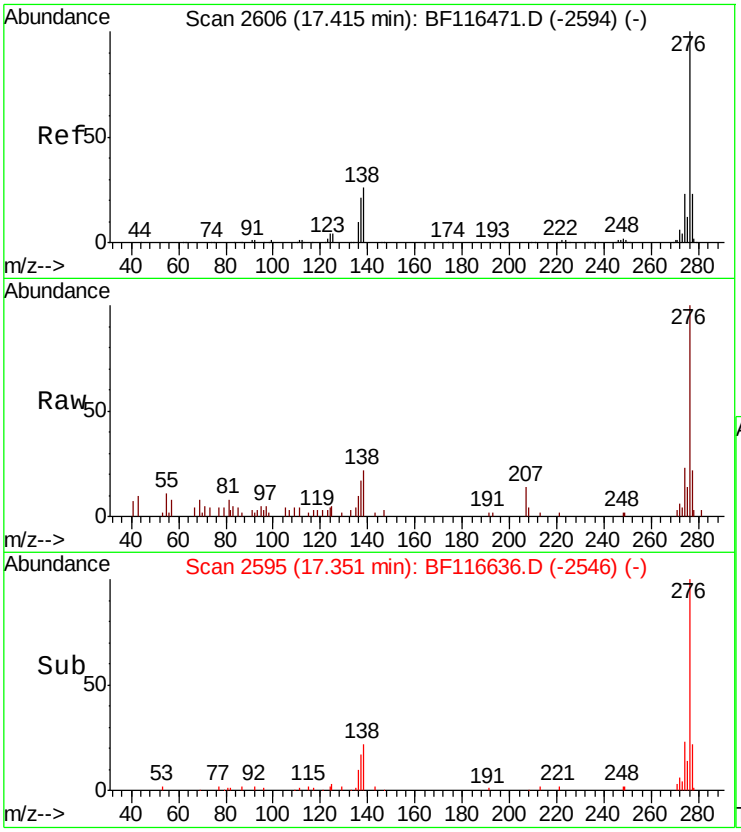


#90
Benzo(a)pyrene
Concen: 11.006 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion:252 Resp: 62927

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	12.7	10.6	16.0





#92
Benzo(g,h,i)perylene
Concen: 5.764 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 31978

Ion	Ratio	Lower	Upper
276	100		
277	21.6	19.0	28.4
138	21.9	18.2	27.2