Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062317\
Data File : BF096172.D
Acq On : 23 Jun 2017 22:03
Operator : SJ/MA
Sample : I3743-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FNDFL-VCTY-061517-COMP

Manual Integrations APPROVED
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Quant Time: Jun 24 00:57:01 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 16:05:47 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	71028	20.00	ng		-0.04
21) Naphthalene-d8	9.29	136	294484	20.00	ng		-0.04
38) Acenaphthene-d10	12.11	164	127768	20.00	ng		-0.04
63) Phenanthrene-d10	14.50	188	215661	20.00	ng		-0.04
75) Chrysene-d12	18.24	240	149081	20.00	ng		-0.03
86) Perylene-d12	19.92	264	144108	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.15	112	418630	93.92	ng		-0.04
7) Phenol-d6	6.84	99	523051	98.02	ng		-0.04
23) Nitrobenzene-d5	8.18	82	305485	64.42	ng		-0.04
41) 2,4,6-Tribromophenol	13.41	330	101676	89.94	ng		-0.04
44) 2-Fluorobiphenyl	11.07	172	606349	66.04	ng		-0.04
78) Terphenyl-d14	16.89	244	399440	66.49	ng		-0.04
Target Compounds							Qvalue
49) Dimethylphthalate	11.77	163	80829	8.33	ng		99
70) Phenanthrene	14.55	178	41033m	3.30	ng		
74) Fluoranthene	16.34	202	67333	5.47	ng		98
77) Pyrene	16.64	202	61330	5.51	ng		97
80) Benzo(a)anthracene	18.23	228	33668	3.88	ng		97
82) Chrysene	18.28	228	31885	3.68	ng		91
85) Indeno(1,2,3-cd)pyrene	21.10	276	22433	3.03	ng		93
87) Benzo(b)fluoranthene	19.52	252	52280	5.79	ng	#	96
89) Benzo(a)pyrene	19.87	252	35105	4.23	ng		95
91) Benzo(g,h,i)perylene	21.42	276	19779	2.76	ng		93

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

Quantitation Report (LSC Reviewed)

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Misc :
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Instrument :
BNA_F
ClientSampleId :
FNDFL-VCTY-061517-COMP

Manual Integrations APPROVED
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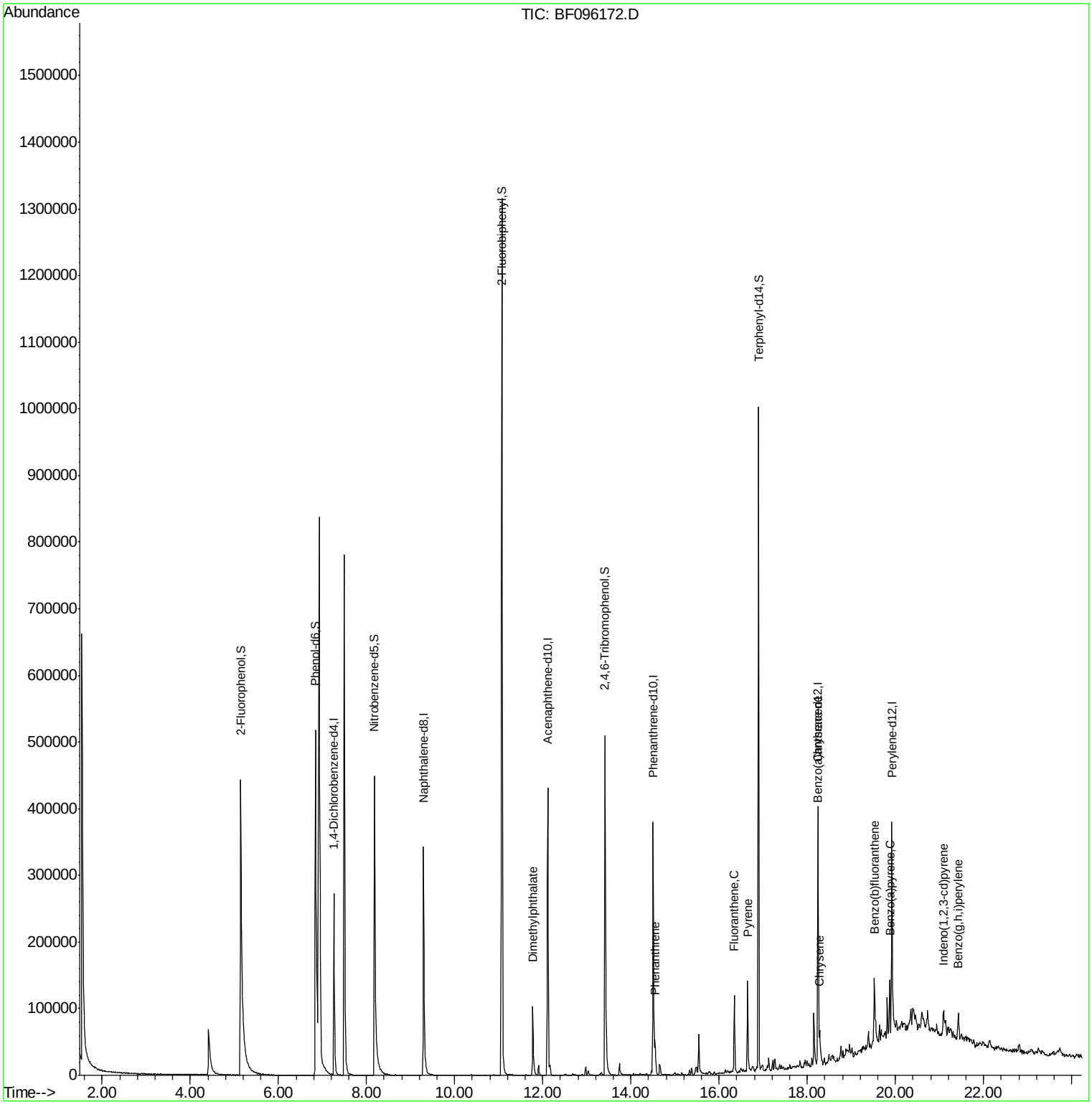
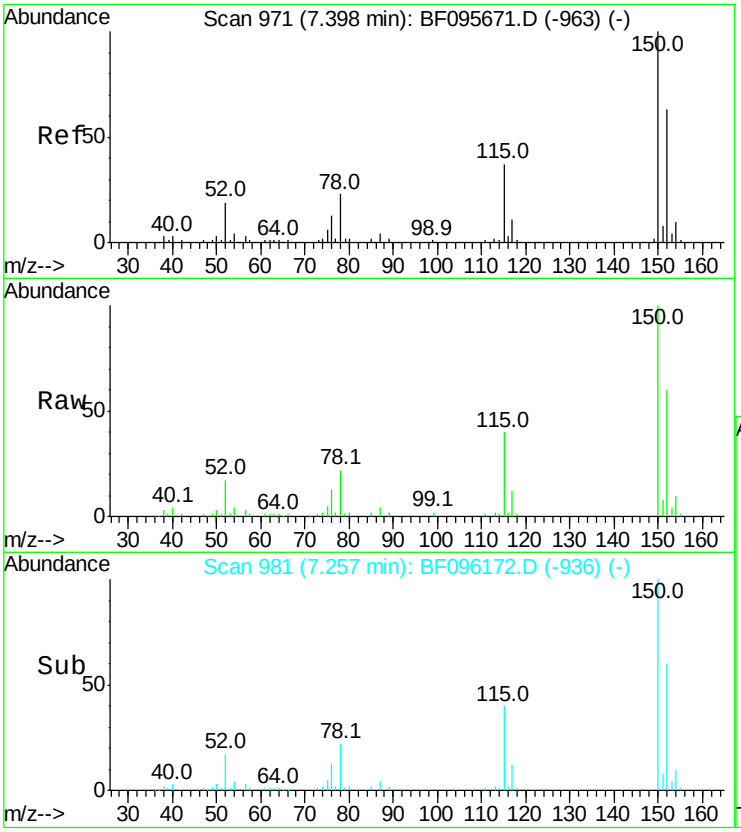
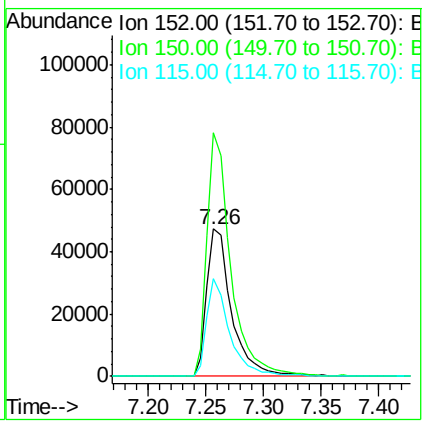




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 981
Delta R.T. -0.04 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:152 Resp: 71028

Ion	Ratio	Lower	Upper
152	100		
150	165.5	126.2	189.2
115	66.1	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
FNDFL-VCTY-061517-COMP

Manual Integrations APPROVED
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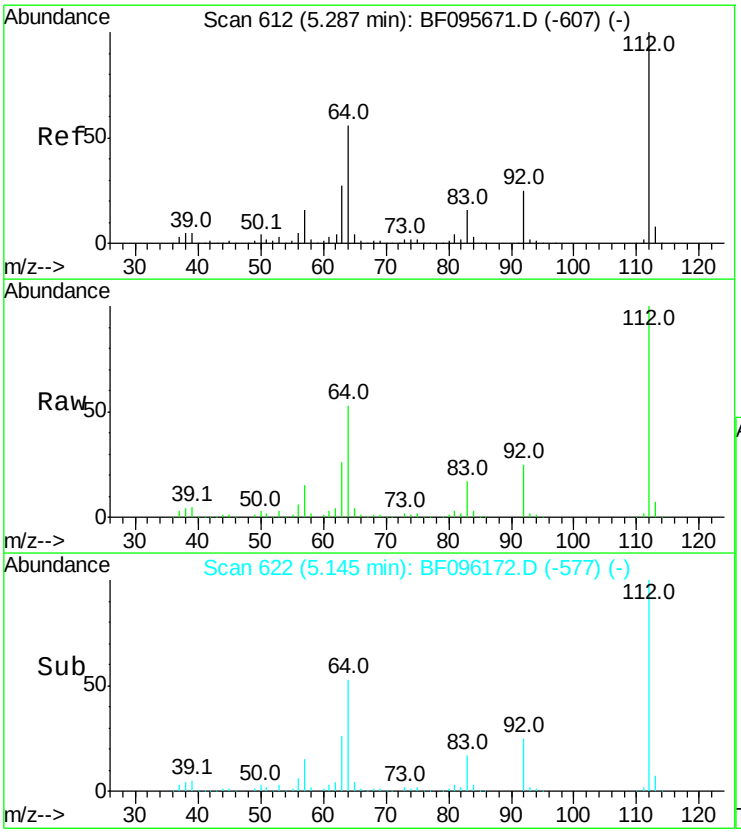
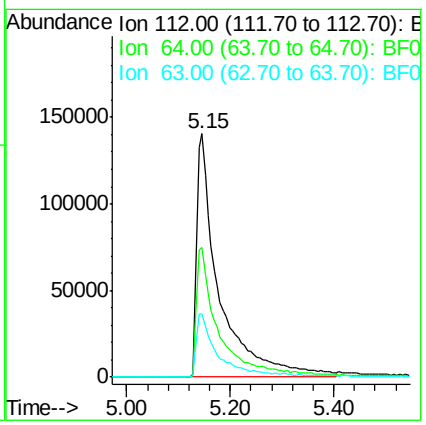
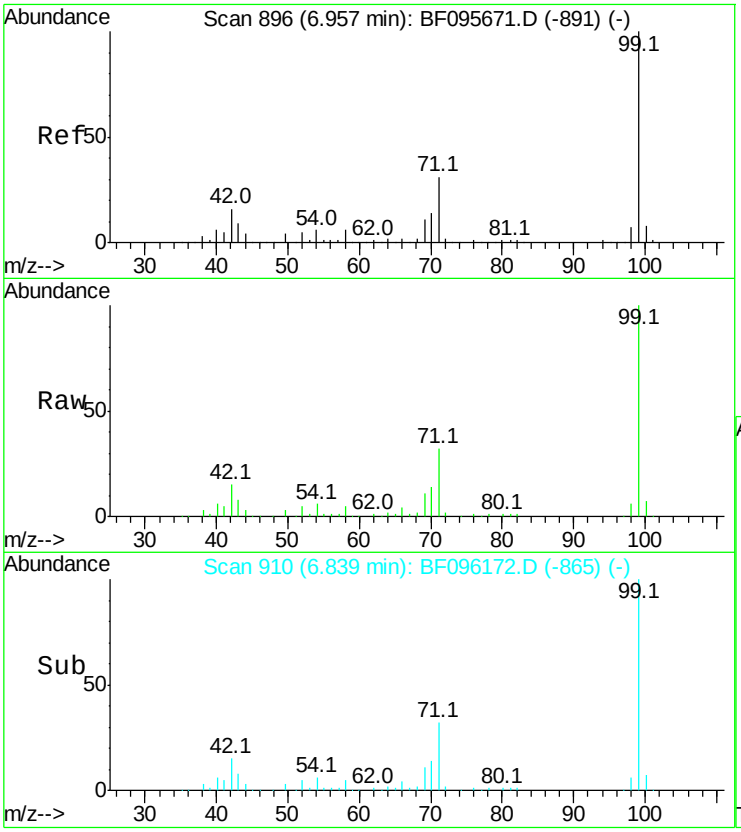


#5
2-Fluorophenol
Concen: 93.92 ng
RT: 5.15 min Scan# 622
Delta R.T. -0.04 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:112 Resp: 418630

Ion	Ratio	Lower	Upper
112	100		
64	53.2	46.0	69.0
63	25.7	23.4	35.0

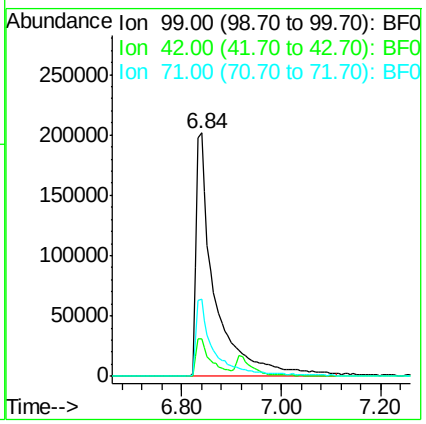




#7
Phenol-d6
Concen: 98.02 ng
RT: 6.84 min Scan# 910
Delta R.T. -0.04 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion: 99 Resp: 523051

Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.5	20.3
71	32.0	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
FNDFL-VCTY-061517-COMP

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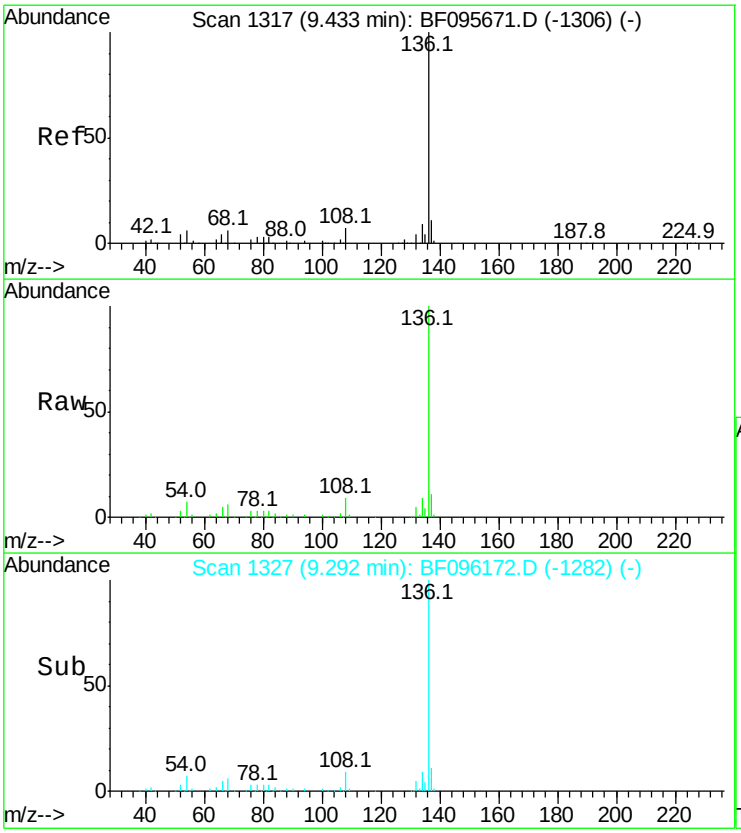
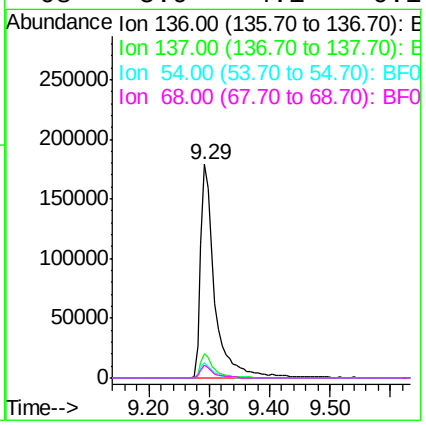
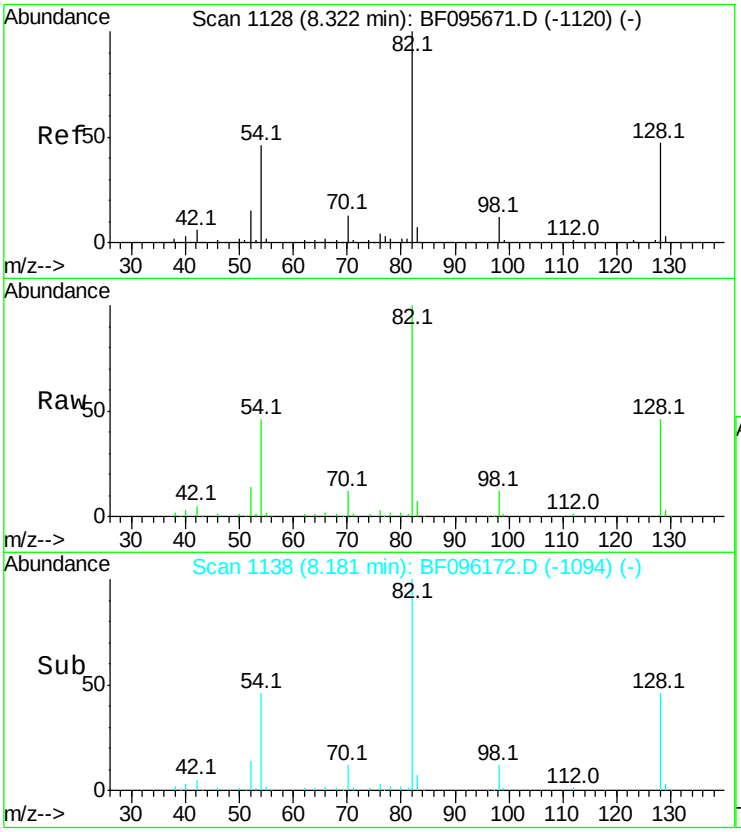


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.29 min Scan# 1327
Delta R.T. -0.04 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:136 Resp: 294484

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.5	12.7
54	7.5	4.9	7.3#
68	5.9	4.1	6.1

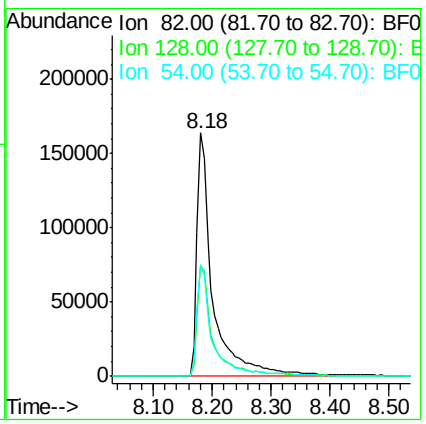




#23
Nitrobenzene-d5
Concen: 64.42 ng
RT: 8.18 min Scan# 1138
Delta R.T. -0.04 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion: 82 Resp: 305485

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.0	51.0
54	45.9	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
FNDFL-VCTY-061517-COMP

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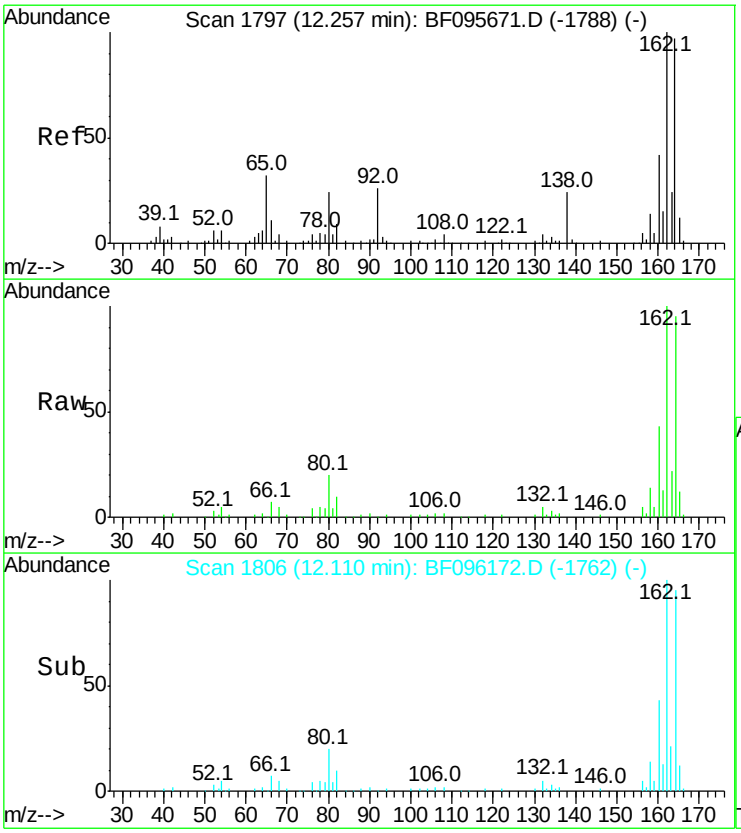
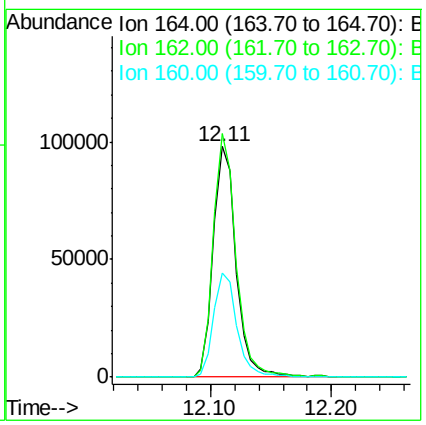
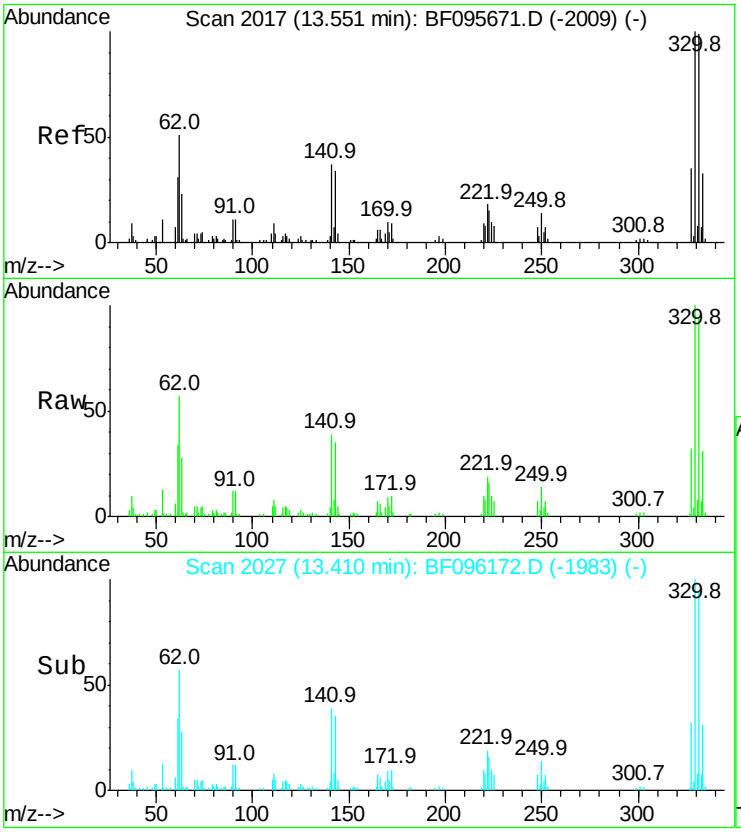


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.11 min Scan# 1806
Delta R.T. -0.04 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:164 Resp: 127768

Ion	Ratio	Lower	Upper
164	100		
162	105.7	82.6	123.8
160	45.1	36.2	54.2





#41
2,4,6-Tribromophenol
Concen: 89.94 ng
RT: 13.41 min Scan# 2027
Delta R.T. -0.04 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:330 Resp: 101676

Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.6	115.0
141	37.6	31.4	47.2

Instrument :
BNA_F
ClientSampleId :
FNDFL-VCTY-061517-COMP

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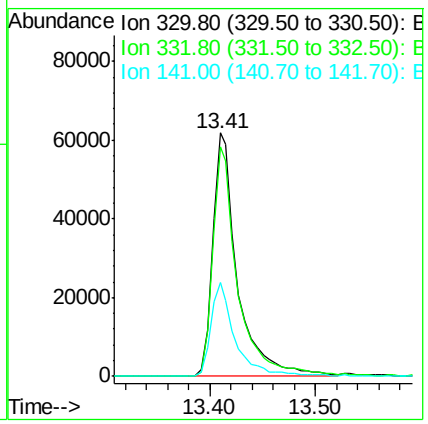
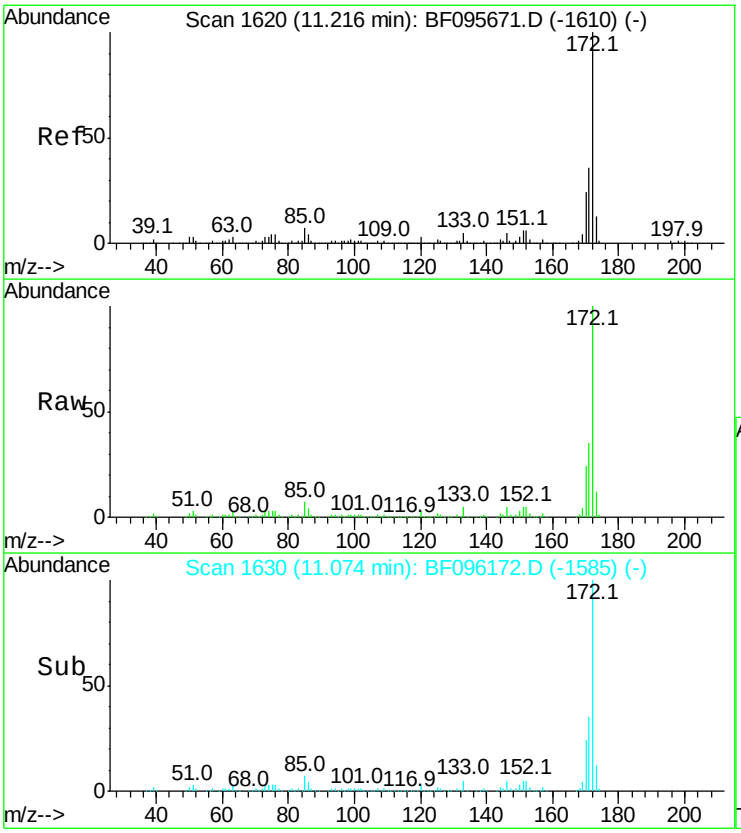
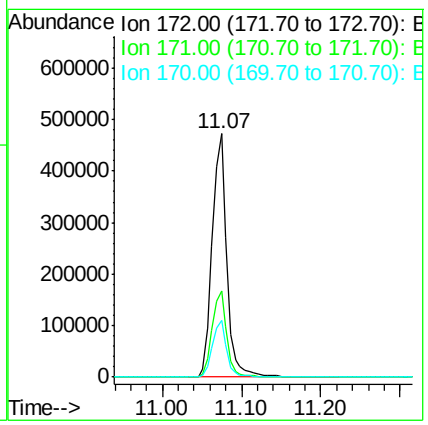


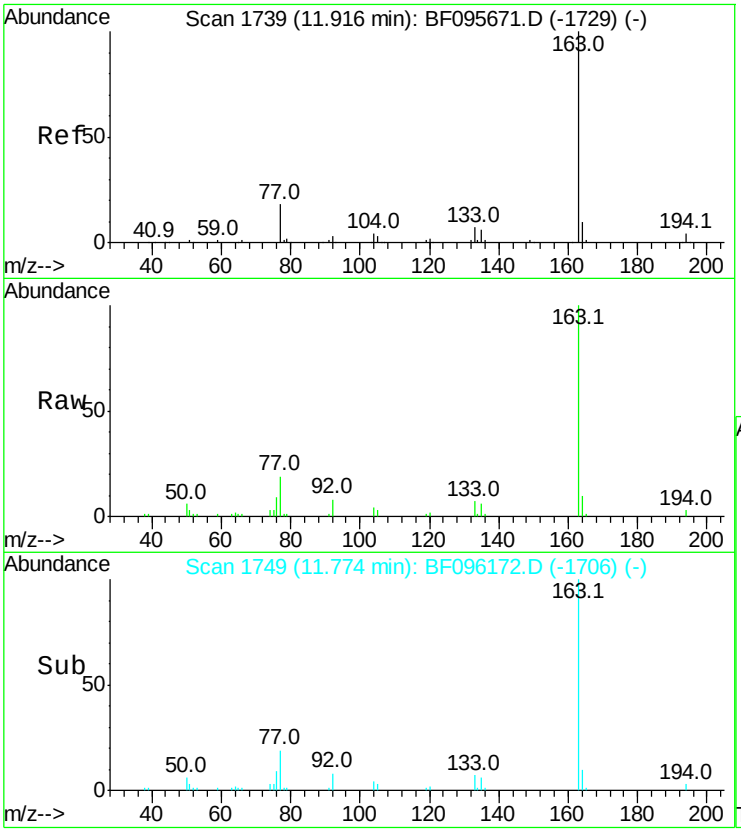


#44
2-Fluorobiphenyl
Concen: 66.04 ng
RT: 11.07 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:172 Resp: 606349

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.5	19.8	29.8

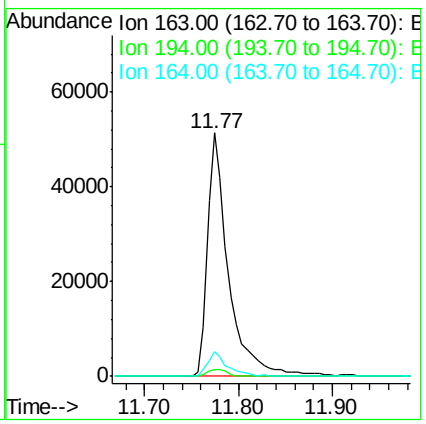




#49
Dimethylphthalate
Concen: 8.33 ng
RT: 11.77 min Scan# 1749
Delta R.T. -0.05 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:163 Resp: 80829

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	9.9	8.4	12.6



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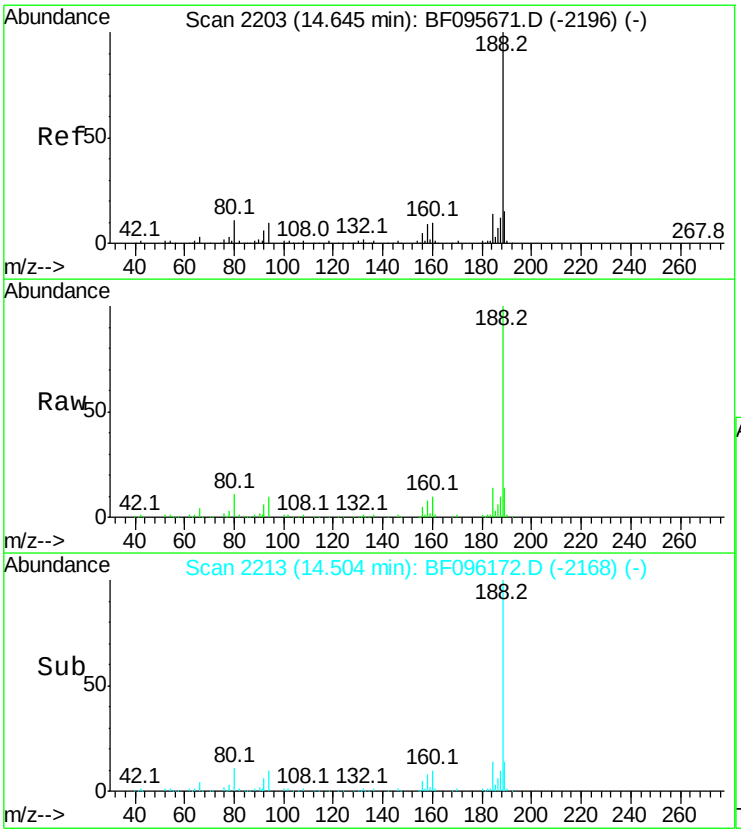
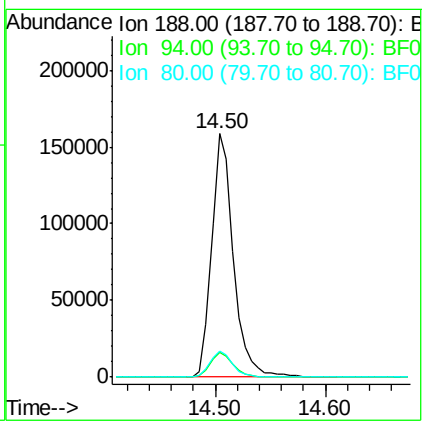
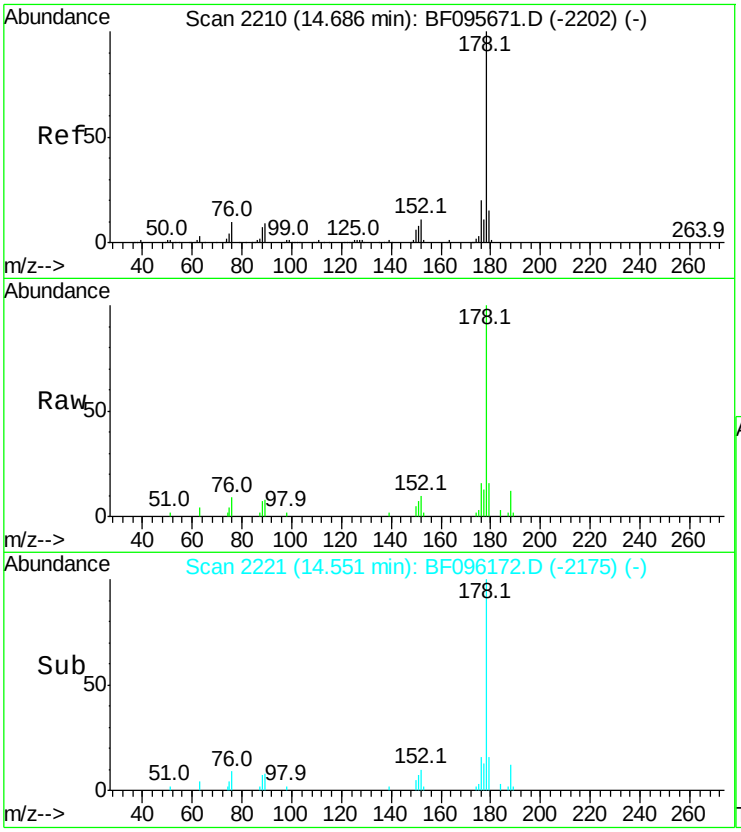


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.50 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:188 Resp: 215661

Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.4	14.2
80	10.7	10.2	15.2





#70
Phenanthrene
Concen: 3.30 ng m
RT: 14.55 min Scan# 2221
Delta R.T. -0.03 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:178 Resp: 41033

Ion	Ratio	Lower	Upper
178	100		
176	16.2	16.2	24.4#
179	16.1	12.6	19.0

Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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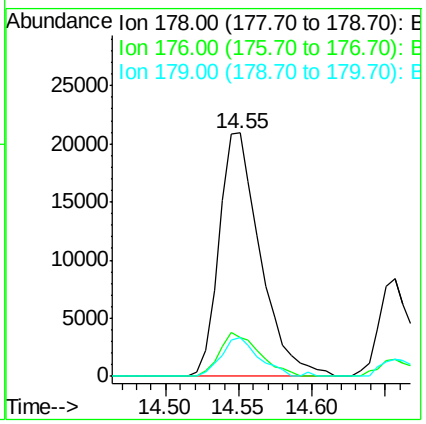
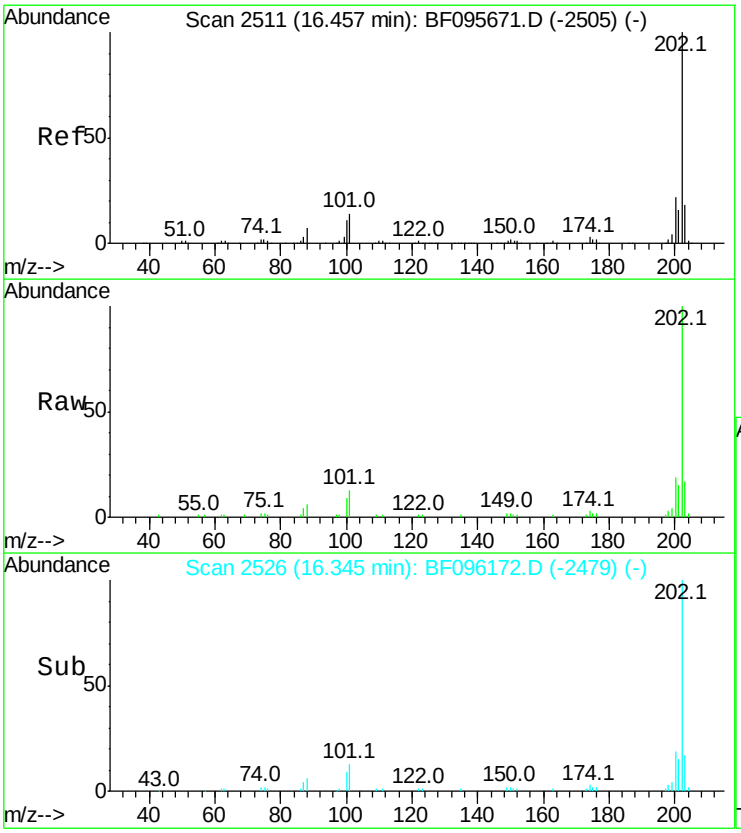
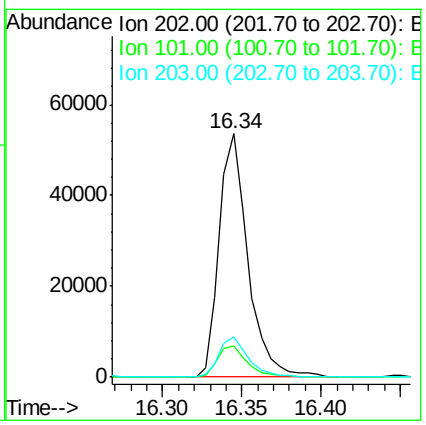


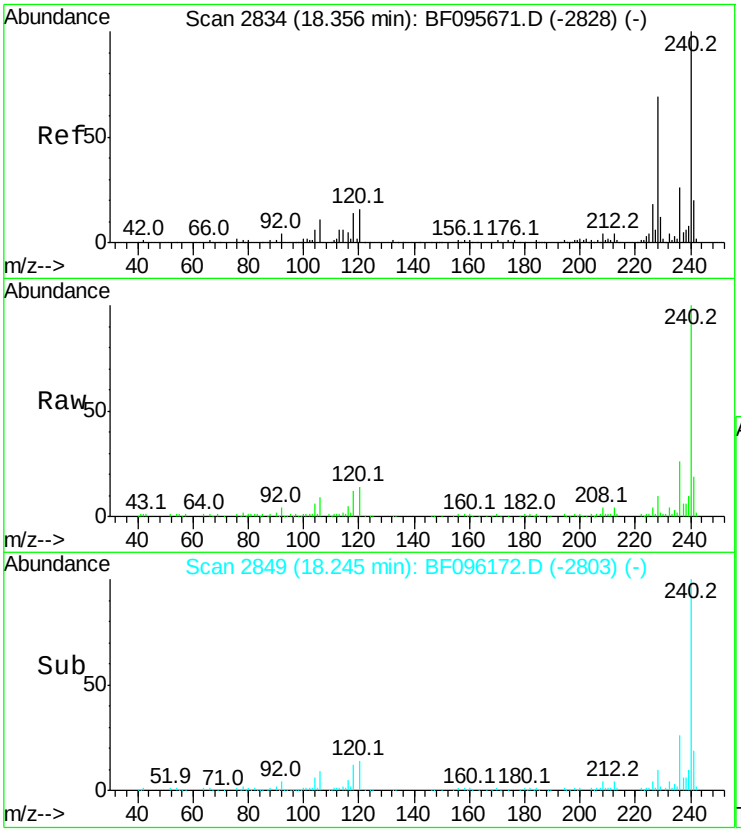


#74
Fluoranthene
Concen: 5.47 ng
RT: 16.34 min Scan# 2526
Delta R.T. -0.02 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:202 Resp: 67333

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	16.7	0.0	38.1





#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.24 min Scan# 2849
Delta R.T. -0.03 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:240 Resp: 149081

Ion	Ratio	Lower	Upper
240	100		
120	14.1	5.8	8.8#
236	25.9	20.5	30.7

Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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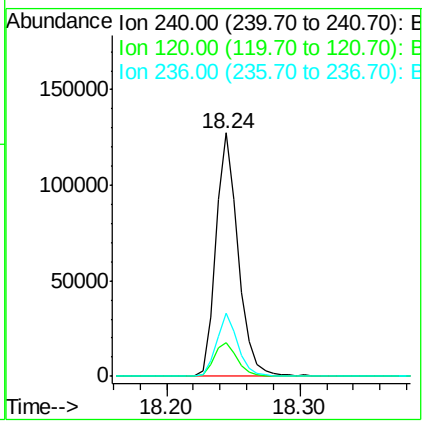
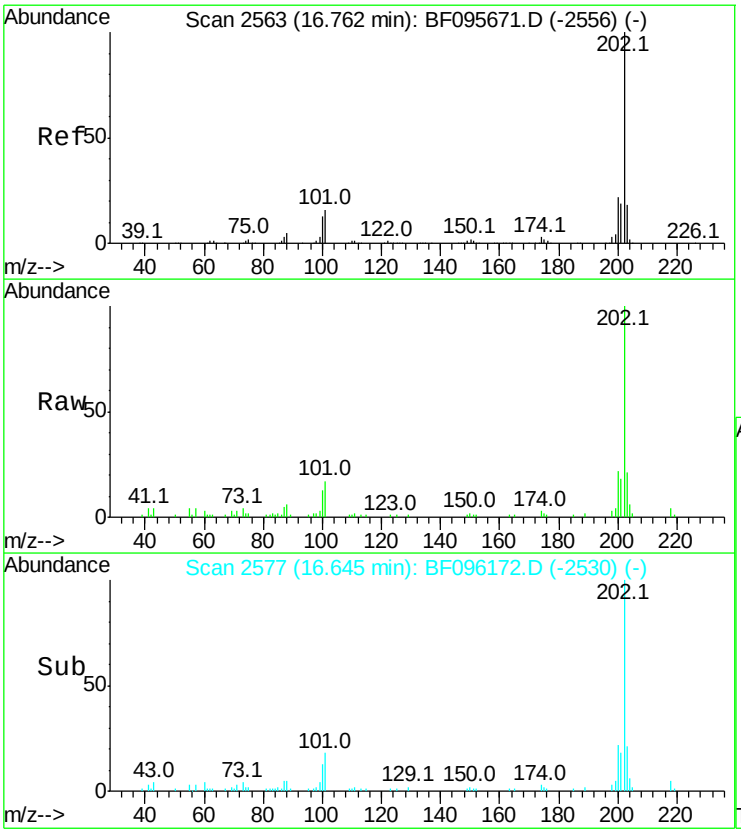
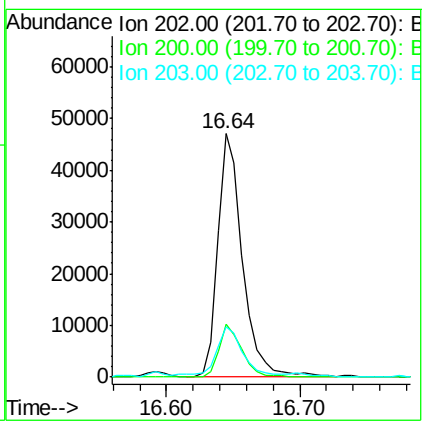


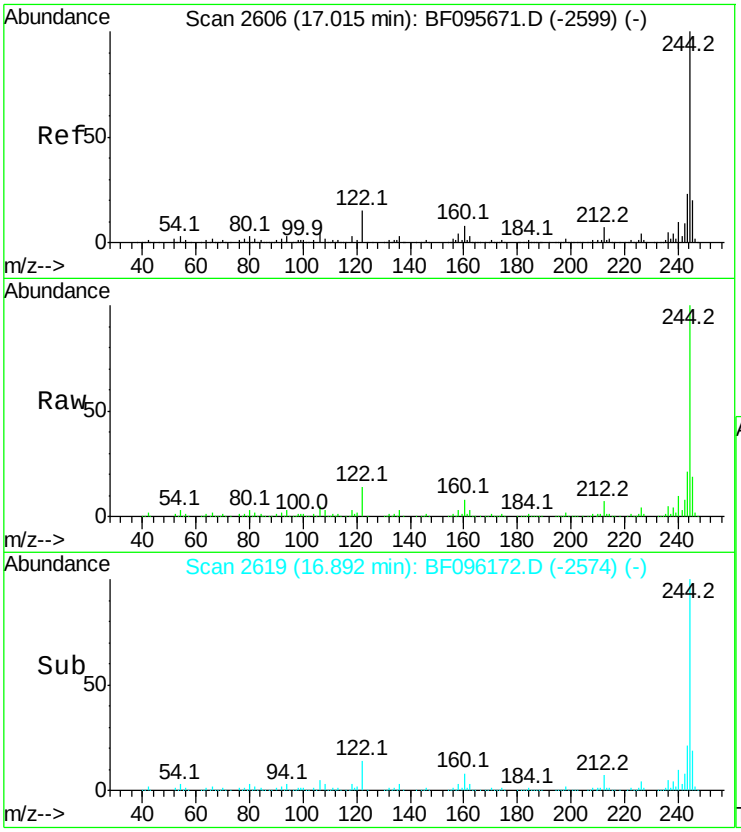


#77
Pyrene
Concen: 5.51 ng
RT: 16.64 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:202 Resp: 61330

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.6	26.4
203	20.8	14.4	21.6

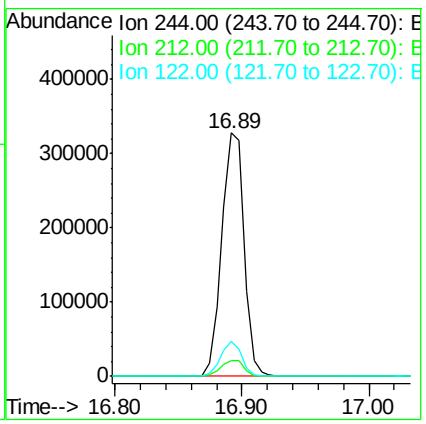




#78
Terphenyl-d14
Concen: 66.49 ng
RT: 16.89 min Scan# 2619
Delta R.T. -0.04 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:244 Resp: 399440

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	14.3	10.3	15.5



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BNA_F
ClientSampleId :
FNDFL-VCTY-061517-COMP

Manual Integrations APPROVED
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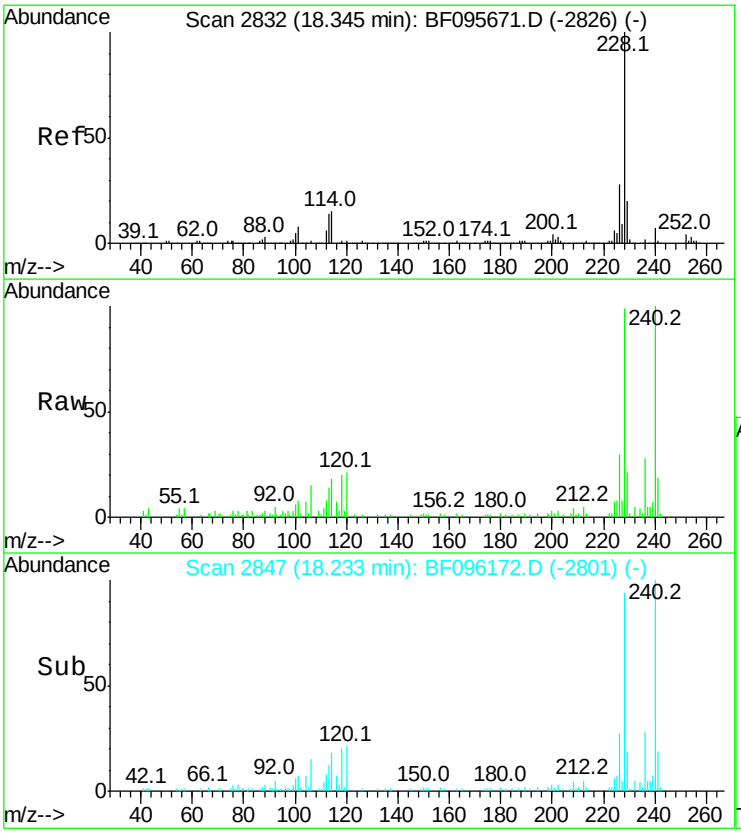
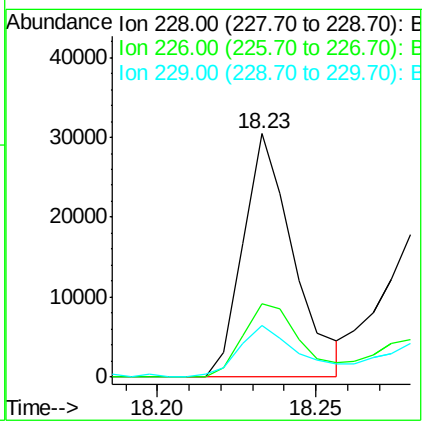
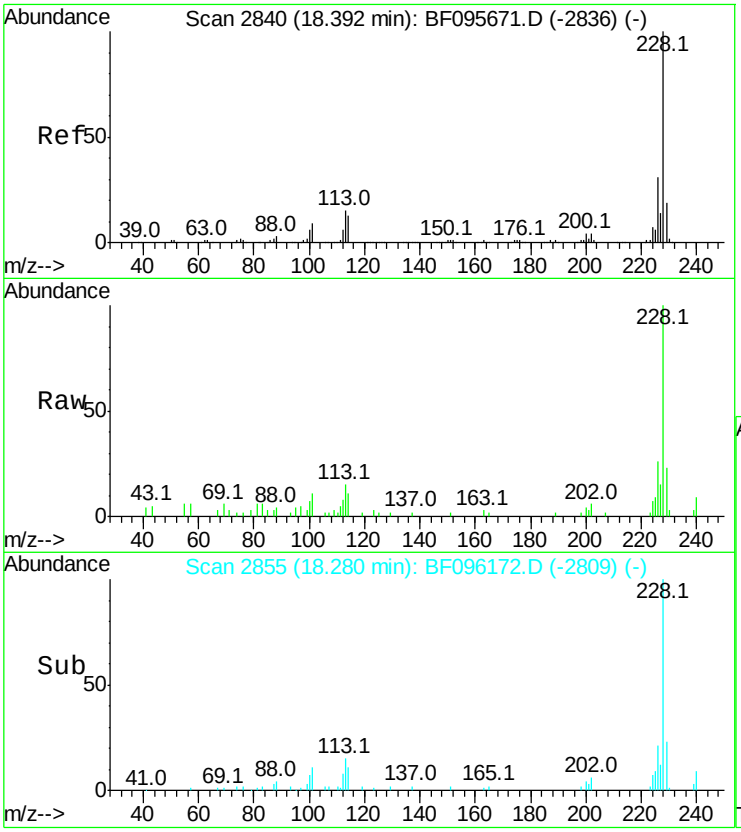


#80
Benzo(a)anthracene
Concen: 3.88 ng
RT: 18.23 min Scan# 2847
Delta R.T. -0.03 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:228 Resp: 33668

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	21.1	16.3	24.5

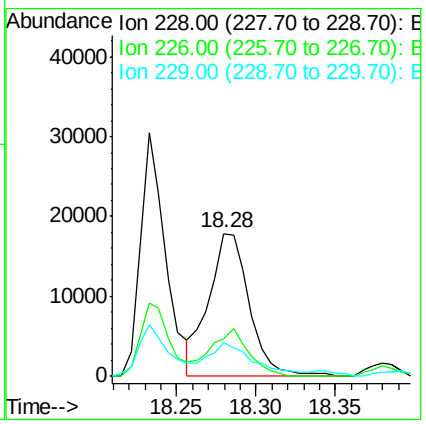




#82
Chrysene
Concen: 3.68 ng
RT: 18.28 min Scan# 2855
Delta R.T. -0.03 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:228 Resp: 31885

Ion	Ratio	Lower	Upper
228	100		
226	26.3	24.9	37.3
229	23.4	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
FNDFL-VCTY-061517-COMP

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mohammad
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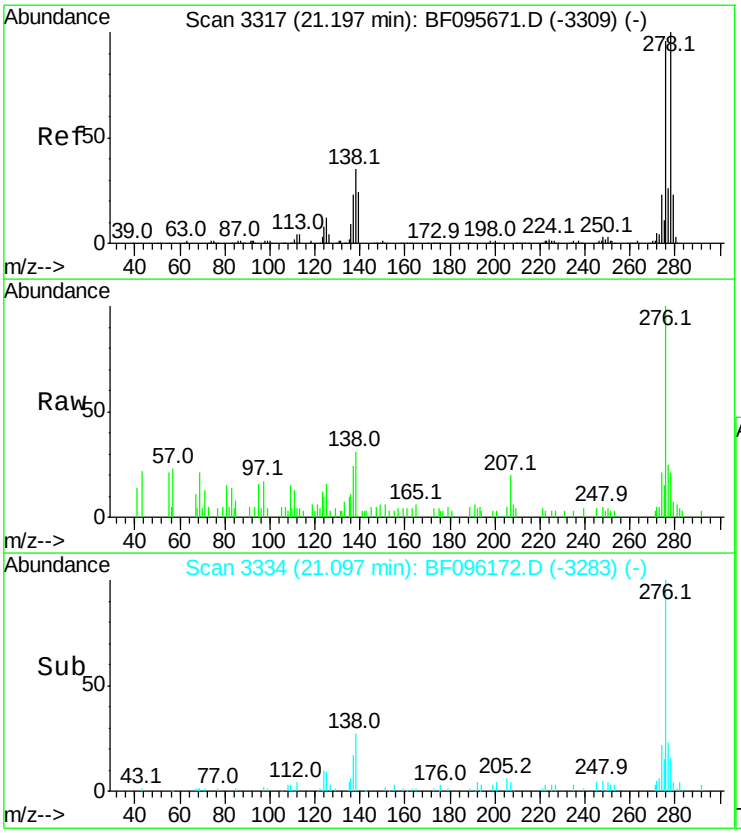
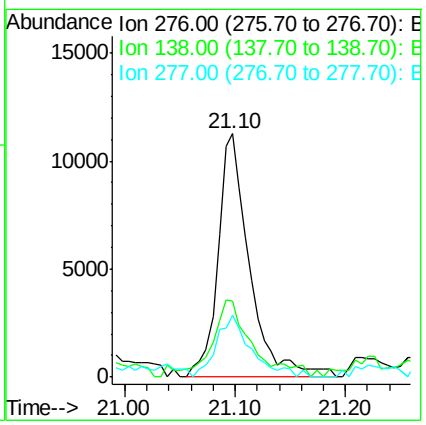
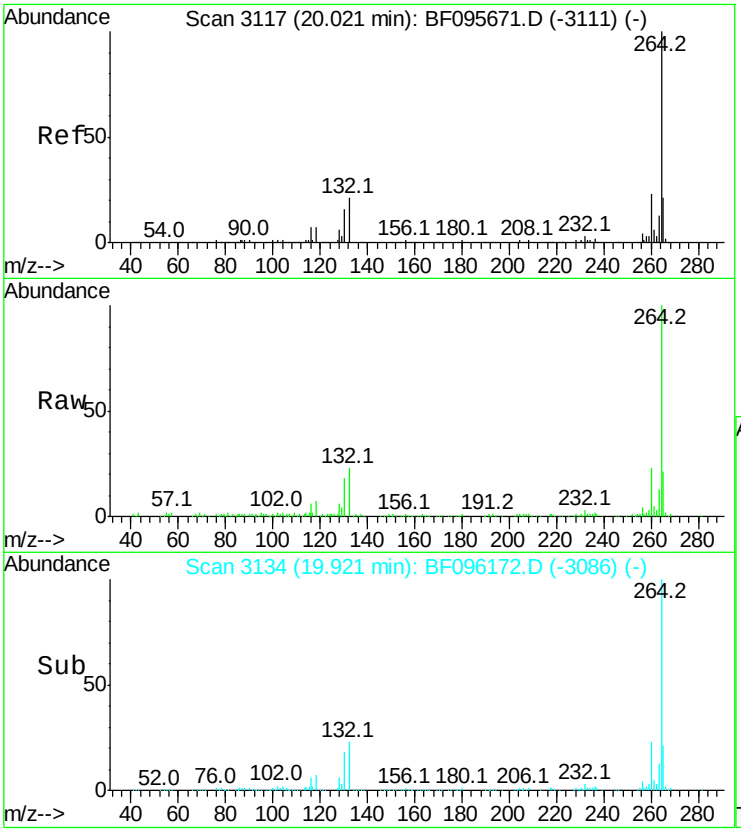


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.03 ng
RT: 21.10 min Scan# 3334
Delta R.T. 0.00 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:276 Resp: 22433

Ion	Ratio	Lower	Upper
276	100		
138	39.4	27.8	41.6
277	28.0	20.2	30.4

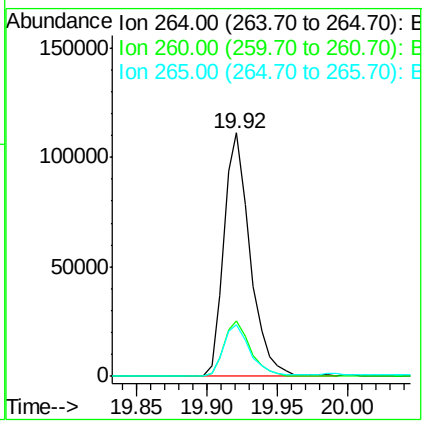




#86
Perylene-d12
Concen: 20.00 ng
RT: 19.92 min Scan# 3134
Delta R.T. -0.02 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

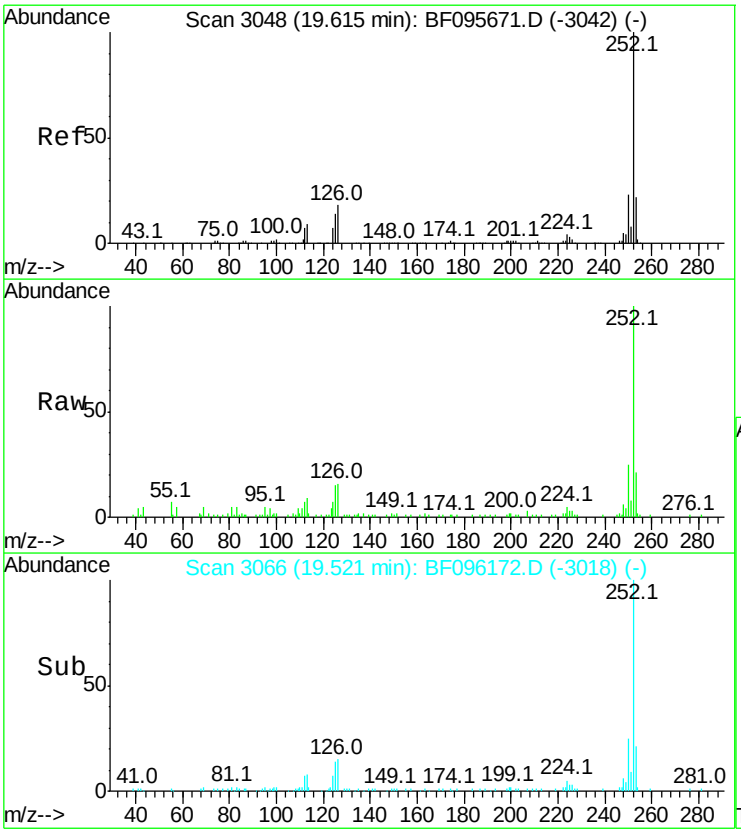
Tgt Ion:264 Resp: 144108

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	21.0	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
FNDFL-VCTY-061517-COMP

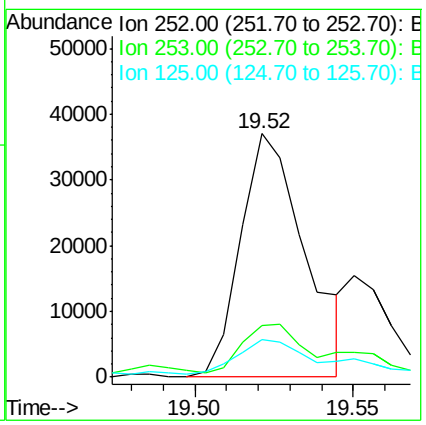
Manual Integrations APPROVED
mohammad
6/28/2017 1:11:38 PM

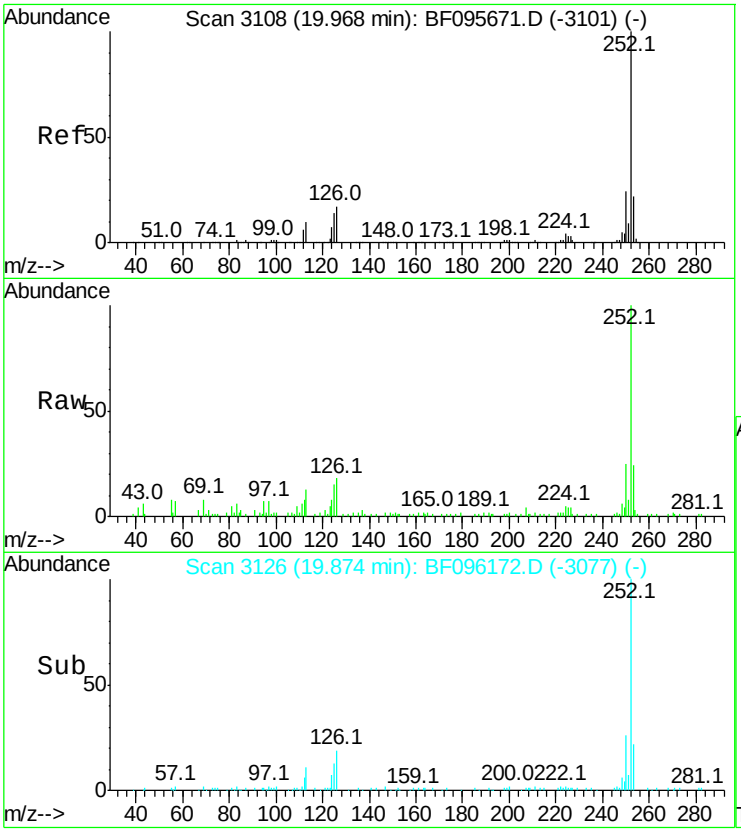


#87
Benzo(b)fluoranthene
Concen: 5.79 ng
RT: 19.52 min Scan# 3066
Delta R.T. -0.02 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:252 Resp: 52280

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	15.3	9.8	14.8#





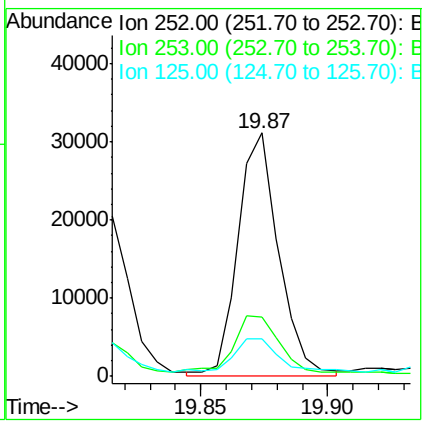
#89
Benzo(a)pyrene
Concen: 4.23 ng
RT: 19.87 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

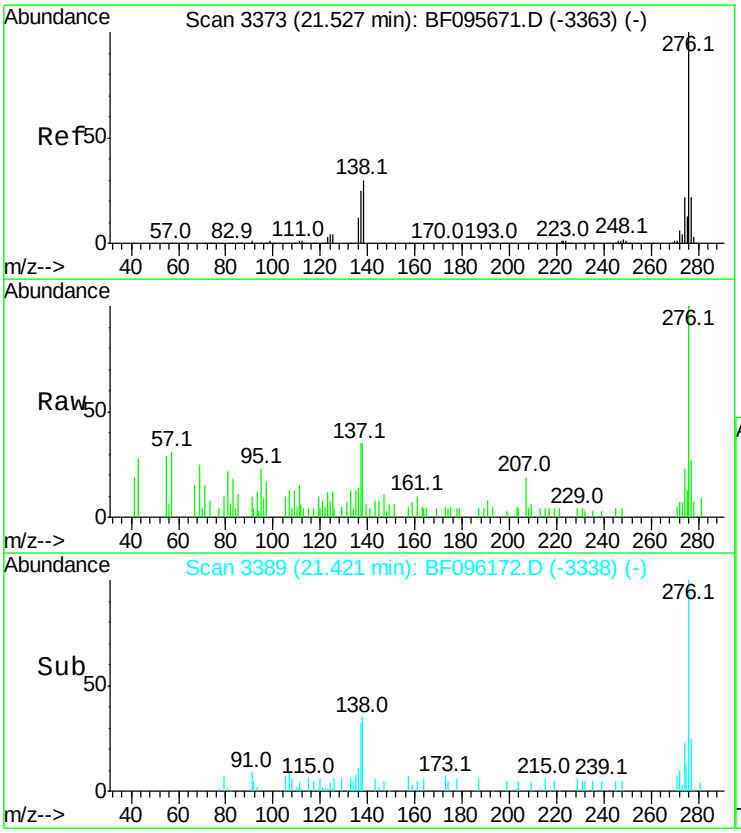
Tgt Ion:252 Resp: 35105

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	15.5	11.0	16.4

Instrument :
BNA_F
ClientSampleId :
FNDFL-VCTY-061517-COMP

Manual Integrations APPROVED
mohammad
6/28/2017 1:11:38 PM





#91
Benzo(g,h,i)perylene
Concen: 2.76 ng
RT: 21.42 min Scan# 3389
Delta R.T. 0.00 min
Lab File: BF096172.D
Acq: 23 Jun 2017 22:03

Tgt Ion:276 Resp: 19779

Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.6	28.0
138	35.4	25.4	38.0