Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095549.D
Acq On : 30 May 2017 22:33
Operator : SJ/MA
Sample : I3302-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM12-COMP-0-6

Manual Integrations APPROVED
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5/31/2017 5:02:59 PM

Quant Time: May 31 04:45:30 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 26 16:50:16 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	87762	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	337800	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	135225	20.00	ng	0.00
63) Phenanthrene-d10	15.01	188	204517	20.00	ng	0.00
75) Chrysene-d12	18.68	240	201458	20.00	ng	0.00
86) Perylene-d12	20.35	264	131610	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	568256	107.95	ng	0.00
7) Phenol-d6	7.30	99	679721	107.62	ng	0.00
23) Nitrobenzene-d5	8.65	82	362682	67.70	ng	0.00
41) 2,4,6-Tribromophenol	13.91	330	95576	86.30	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	600433	63.91	ng	0.00
78) Terphenyl-d14	17.31	244	393781	43.05	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	12.24	163	93216	8.40	ng	96
74) Fluoranthene	16.79	202	59317	4.92	ng	99
77) Pyrene	17.09	202	61782	4.10	ng	98
80) Benzo(a)anthracene	18.67	228	28152m	2.40	ng	
82) Chrysene	18.71	228	33080	2.92	ng	98
87) Benzo(b)fluoranthene	19.95	252	30634m	3.77	ng	
89) Benzo(a)pyrene	20.30	252	20774	2.77	ng	# 89
91) Benzo(g,h,i)perylene	22.10	276	12240	2.01	ng	# 79

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

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Misc :
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Instrument :
BNA_F
ClientSampleId :
NM12-COMP-0-6

Manual Integrations APPROVED
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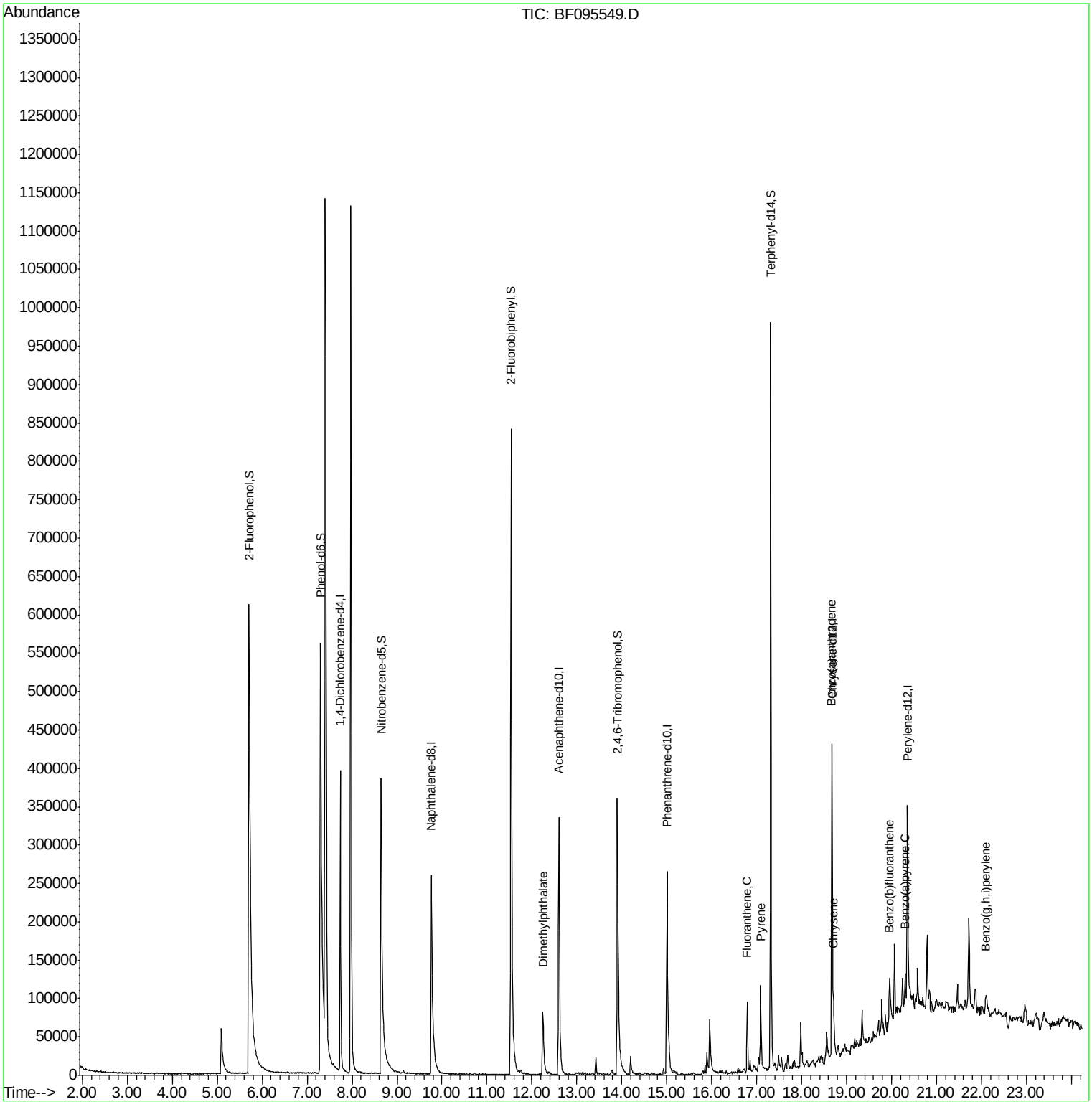
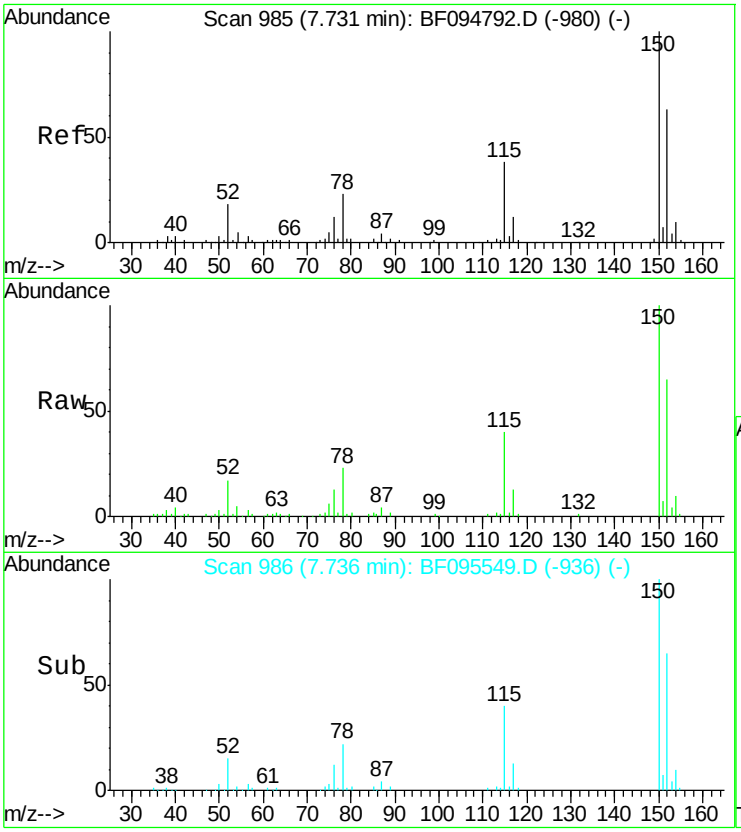
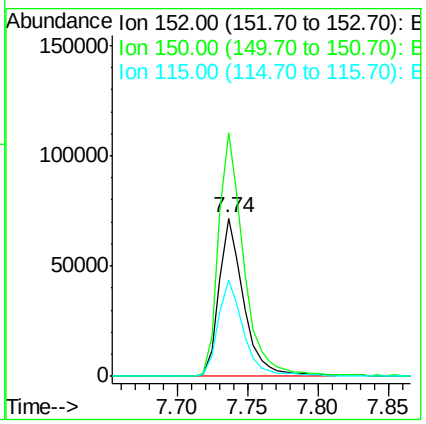




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:152 Resp: 87762

Ion	Ratio	Lower	Upper
152	100		
150	154.2	126.2	189.2
115	61.2	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
NM12-COMP-0-6

Manual Integrations APPROVED
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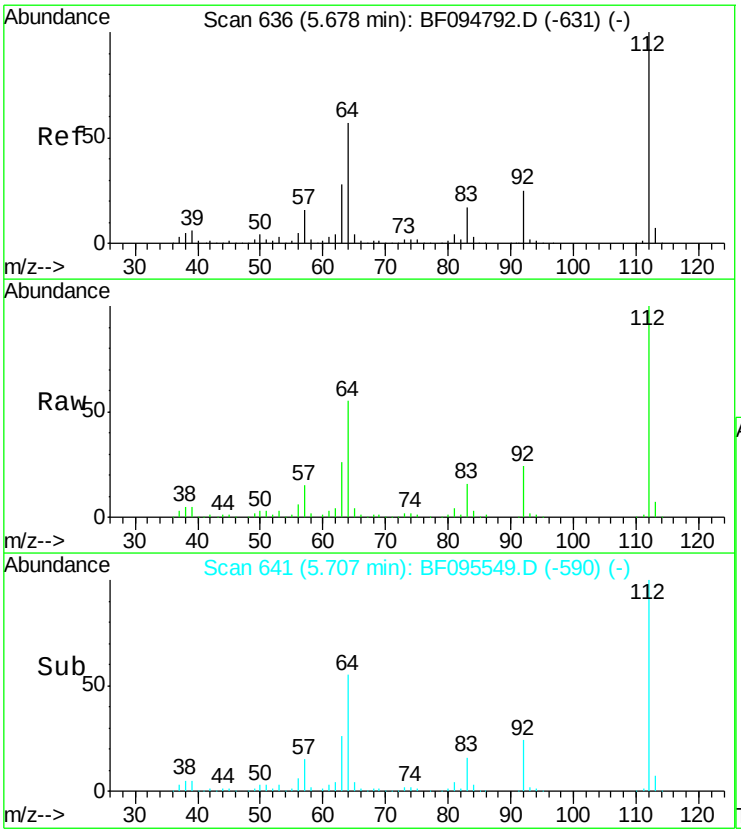
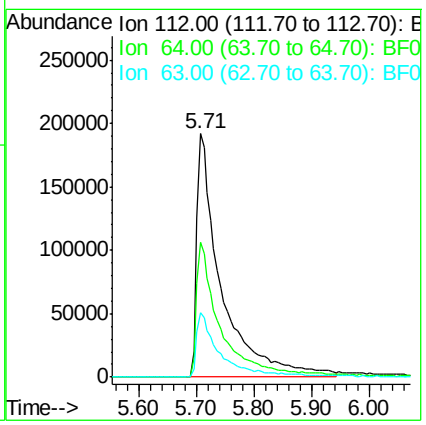
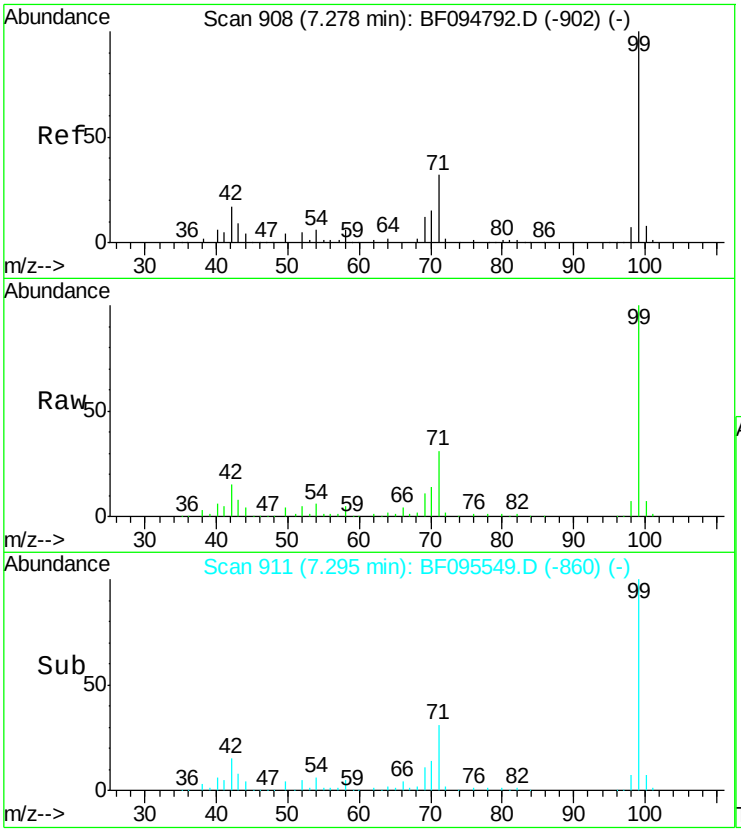


#5
2-Fluorophenol
Concen: 107.95 ng
RT: 5.71 min Scan# 641
Delta R.T. -0.00 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:112 Resp: 568256

Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.0	69.0
63	26.3	23.4	35.0

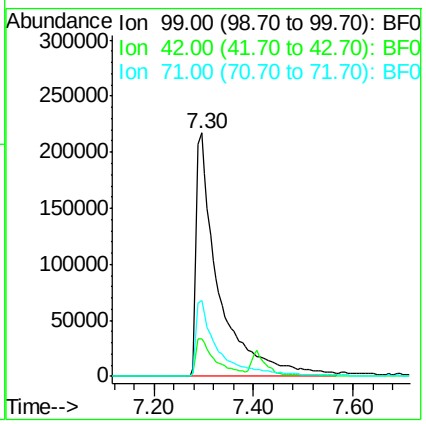




#7
Phenol-d6
Concen: 107.62 ng
RT: 7.30 min Scan# 911
Delta R.T. -0.00 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion: 99 Resp: 679721

Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.5	20.3
71	31.4	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
NM12-COMP-0-6

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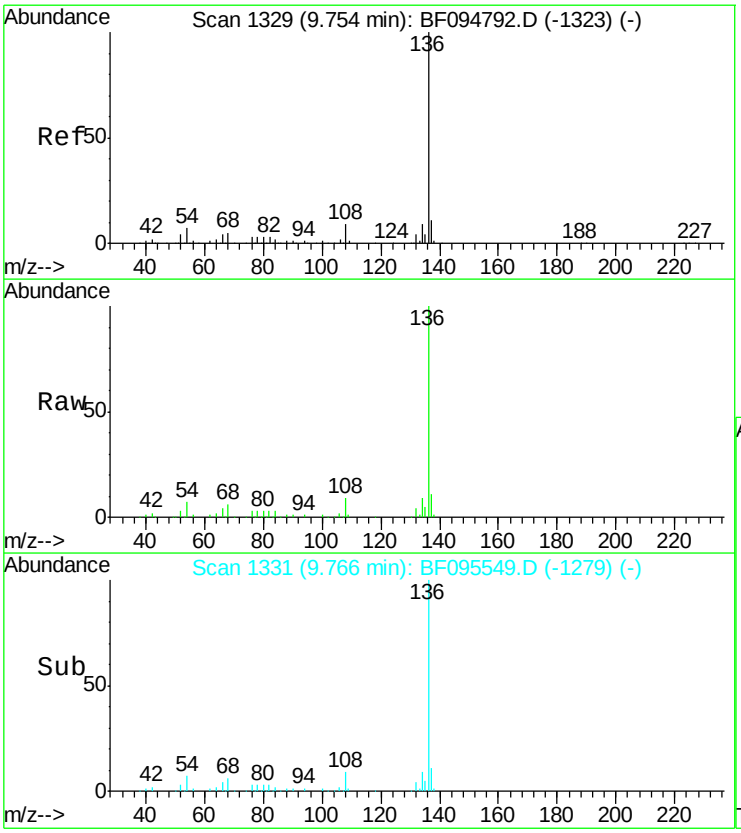
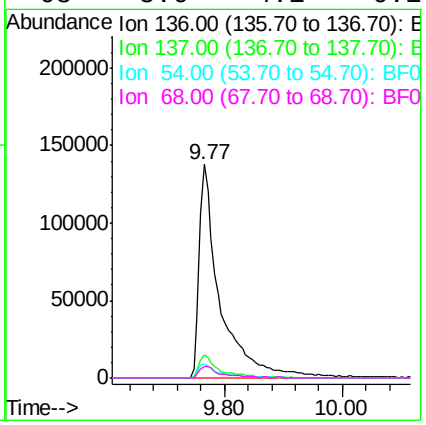
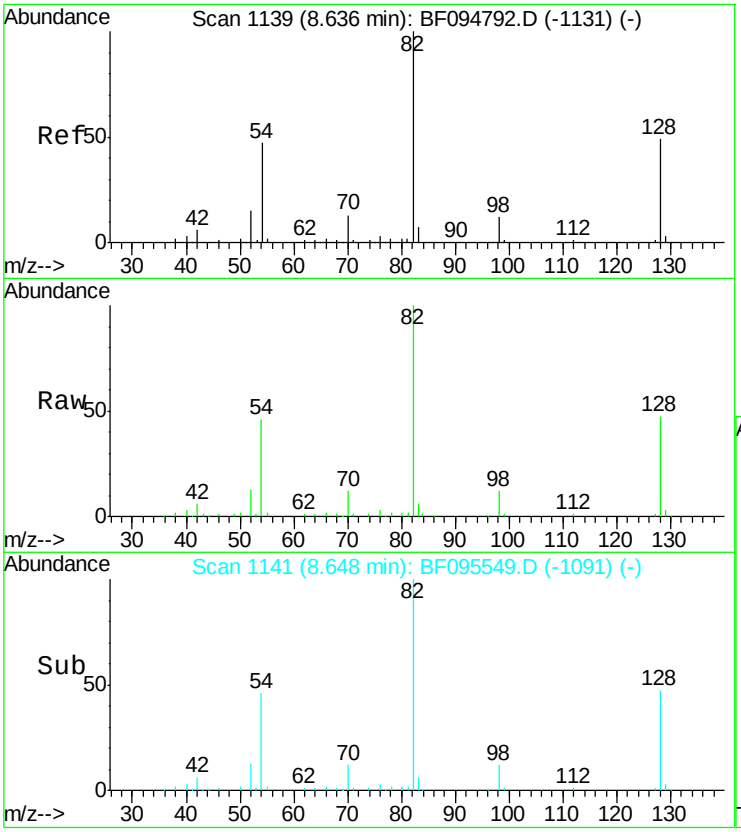


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:136 Resp: 337800

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	6.7	4.9	7.3
68	5.6	4.1	6.1

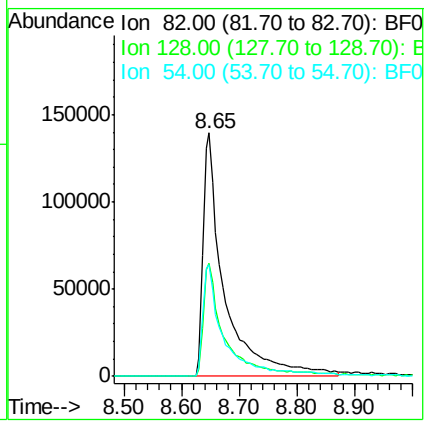




#23
Nitrobenzene-d5
Concen: 67.70 ng
RT: 8.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion: 82 Resp: 362682

Ion	Ratio	Lower	Upper
82	100		
128	46.7	34.0	51.0
54	46.1	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
NM12-COMP-0-6

Manual Integrations APPROVED
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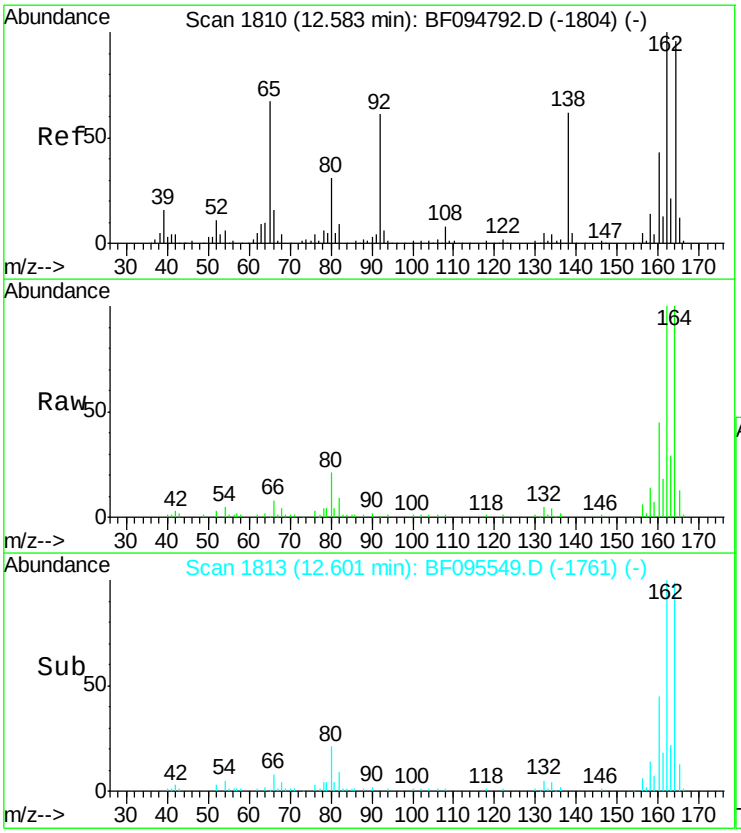
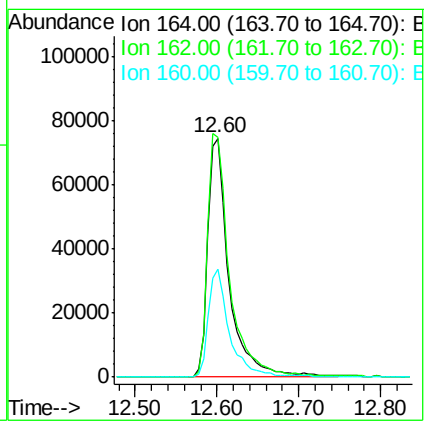
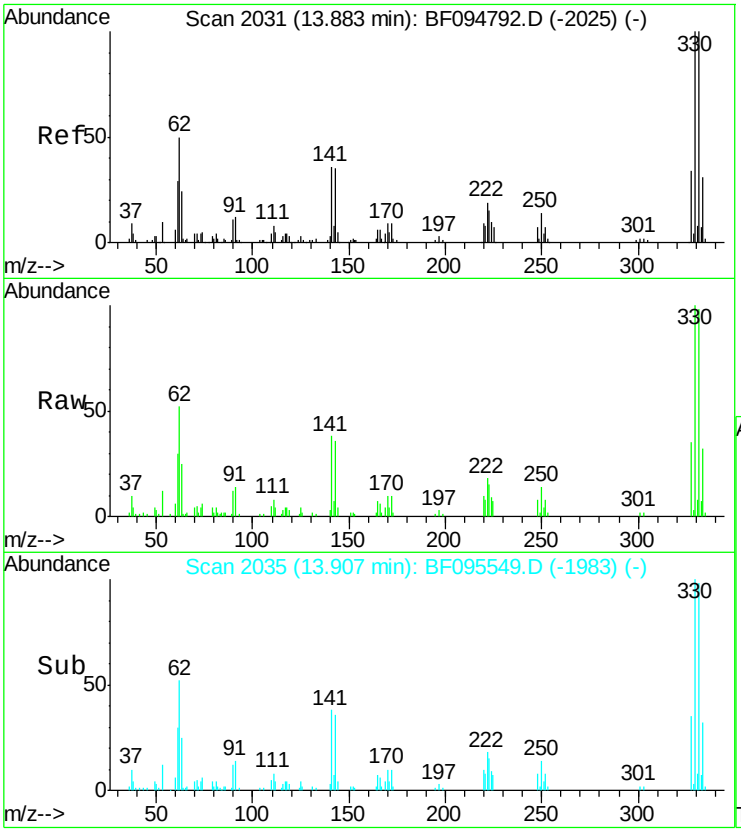


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1813
Delta R.T. 0.01 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:164 Resp: 135225

Ion	Ratio	Lower	Upper
164	100		
162	100.3	82.6	123.8
160	45.3	36.2	54.2

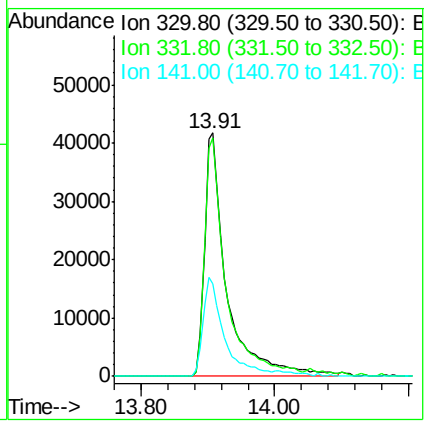




#41
2,4,6-Tribromophenol
Concen: 86.30 ng
RT: 13.91 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:330 Resp: 95576

Ion	Ratio	Lower	Upper
330	100		
332	93.1	76.6	115.0
141	39.9	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
NM12-COMP-0-6

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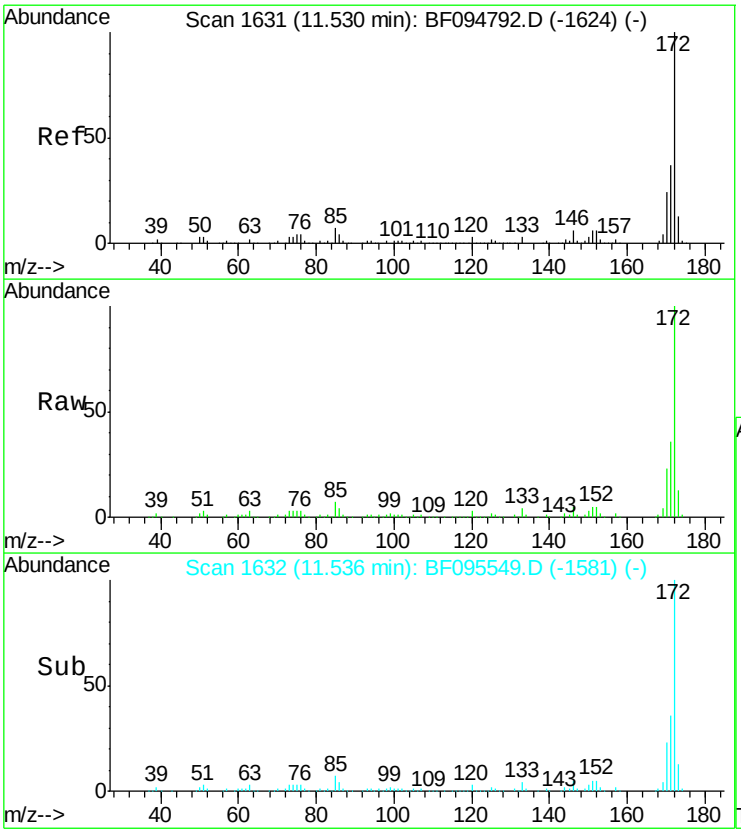
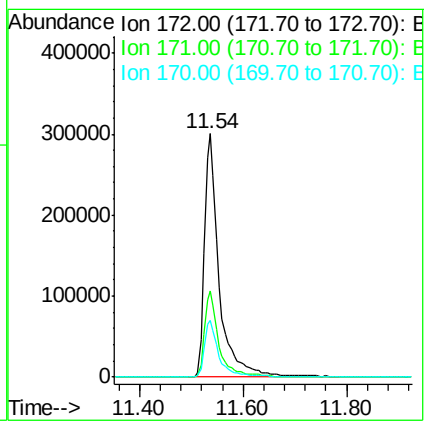
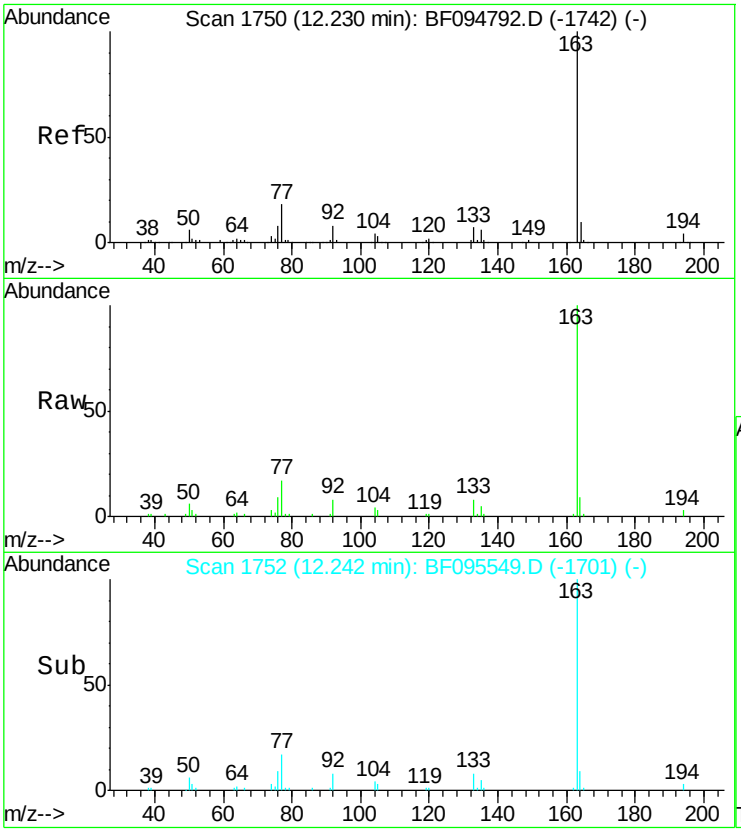


#44
2-Fluorobiphenyl
Concen: 63.91 ng
RT: 11.54 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:172 Resp: 600433

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.5	19.8	29.8

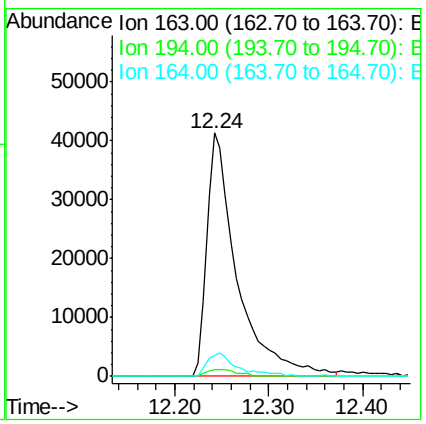




#49
Dimethylphthalate
Concen: 8.40 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:163 Resp: 93216

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	8.6	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
NM12-COMP-0-6

Manual Integrations APPROVED
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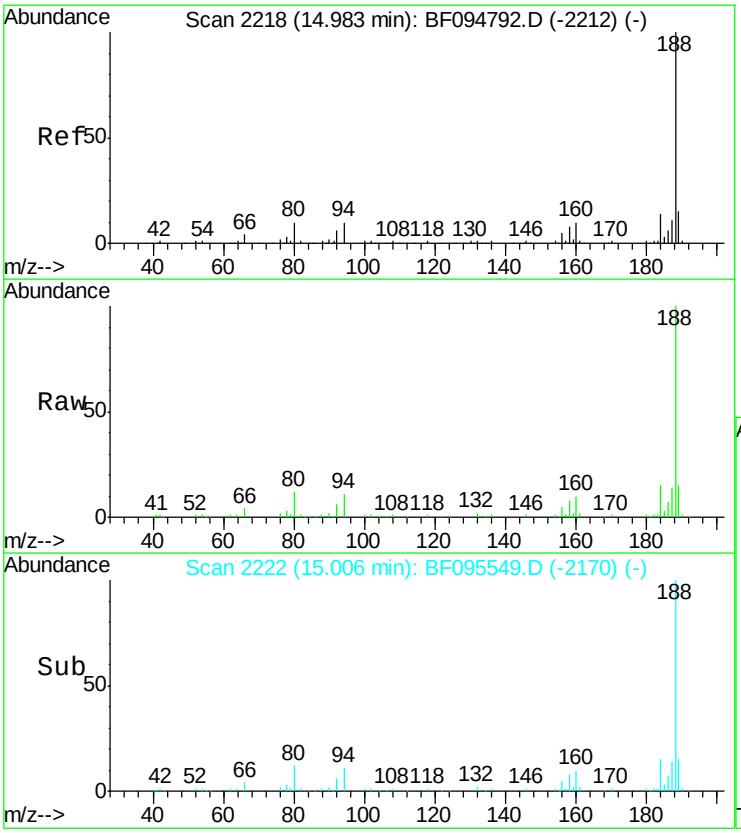
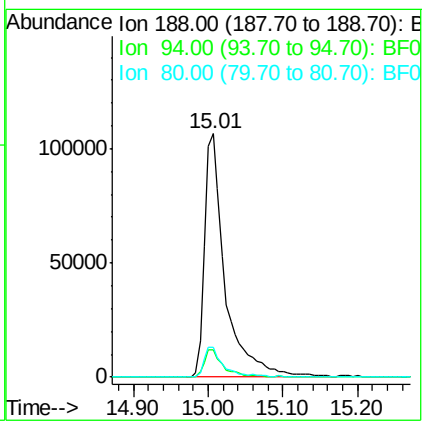
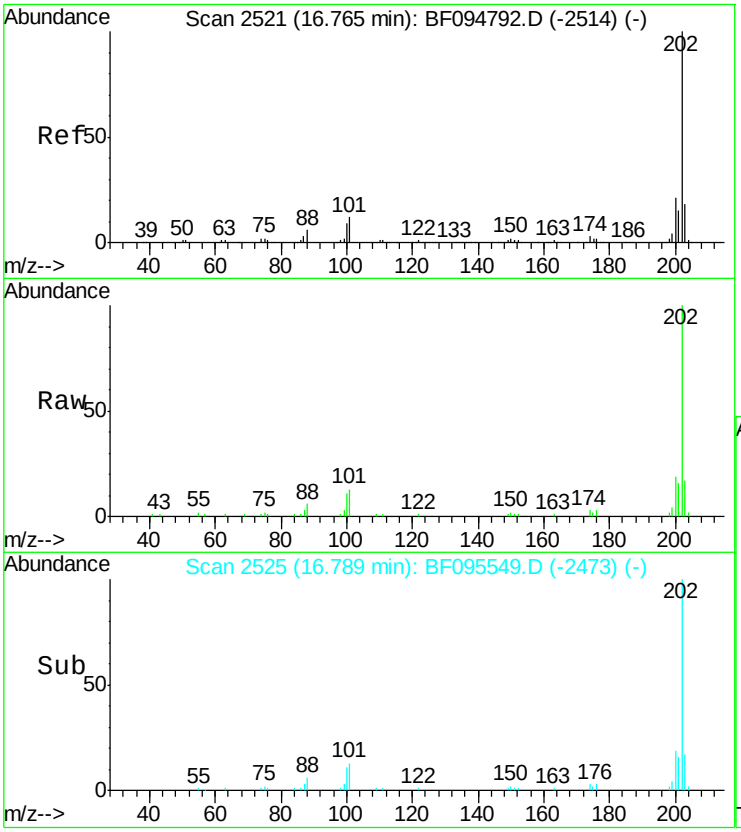


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.01 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:188 Resp: 204517

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	12.3	10.2	15.2

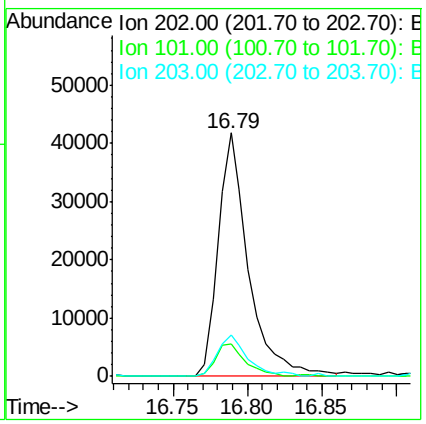




#74
Fluoranthene
Concen: 4.92 ng
RT: 16.79 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:202 Resp: 59317

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	17.3	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
NM12-COMP-0-6

Manual Integrations APPROVED
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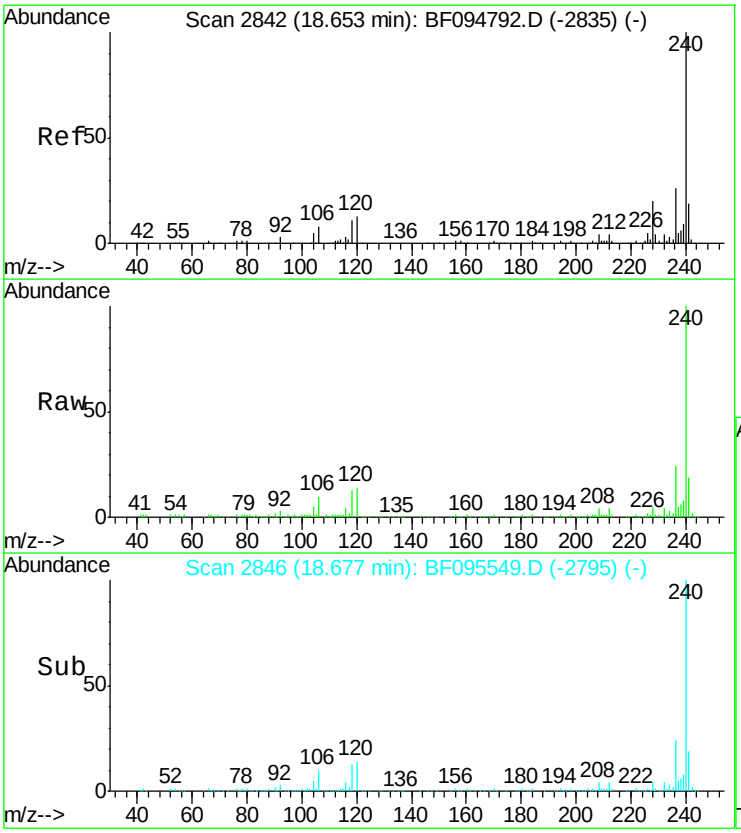
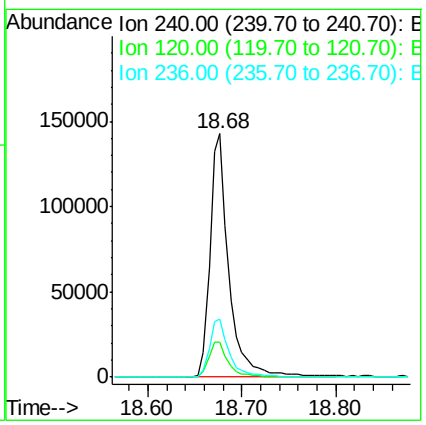
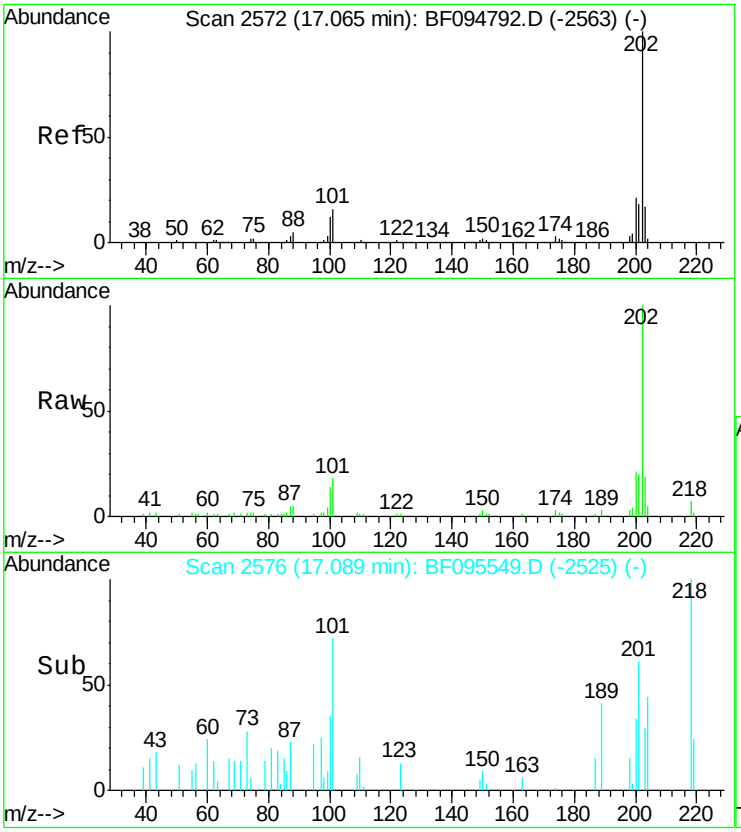


#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.00 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:240 Resp: 201458

Ion	Ratio	Lower	Upper
240	100		
120	14.4	5.8	8.8#
236	23.9	20.5	30.7

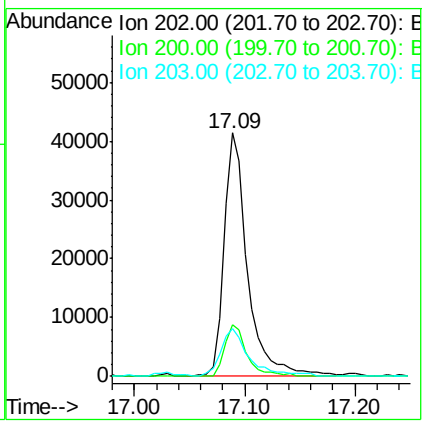




#77
Pyrene
Concen: 4.10 ng
RT: 17.09 min Scan# 2576
Delta R.T. -0.00 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:202 Resp: 61782

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	19.4	14.4	21.6



Instrument :
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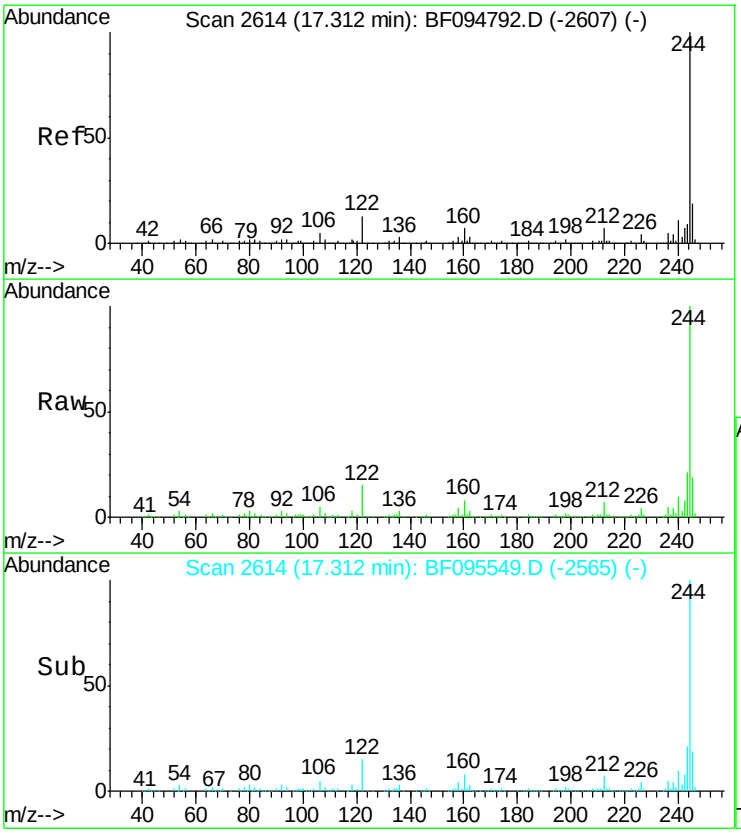
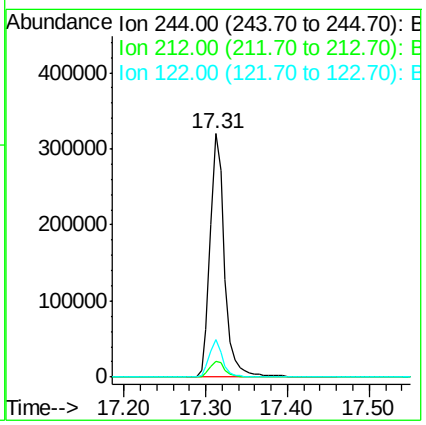
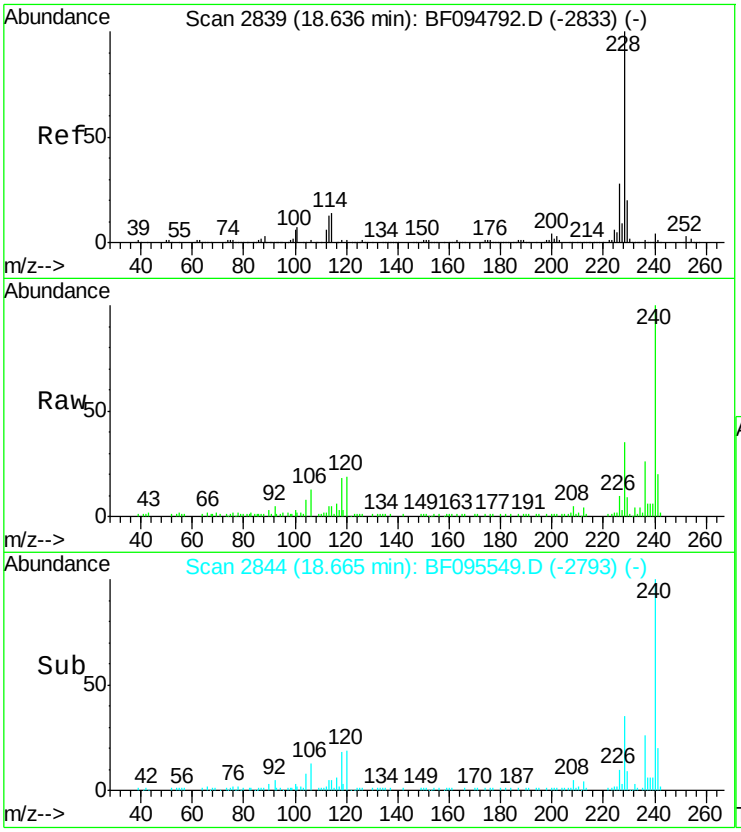


#78
Terphenyl-d14
Concen: 43.05 ng
RT: 17.31 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:244 Resp: 393781

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	15.4	10.3	15.5





#80
Benzo(a)anthracene
Concen: 2.40 ng m
RT: 18.67 min Scan# 2844
Delta R.T. -0.00 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:228 Resp: 28152

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	25.8	16.3	24.5#

Instrument :
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ClientSampleId :
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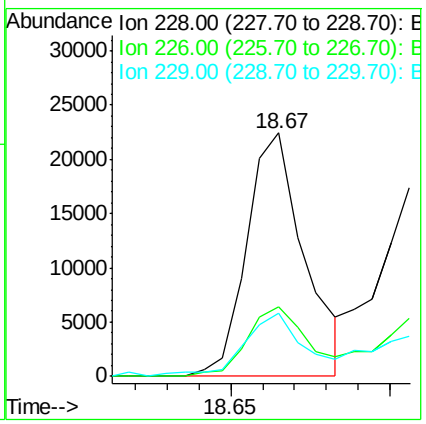
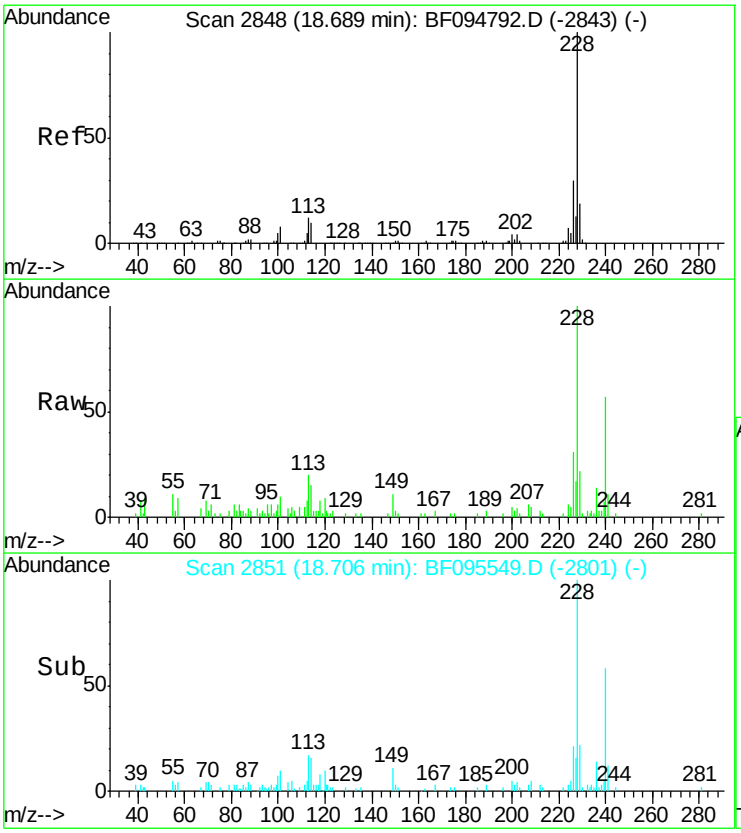
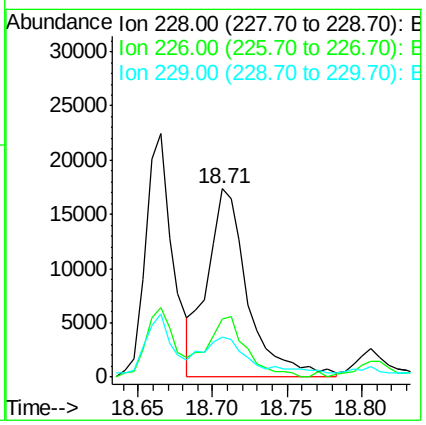


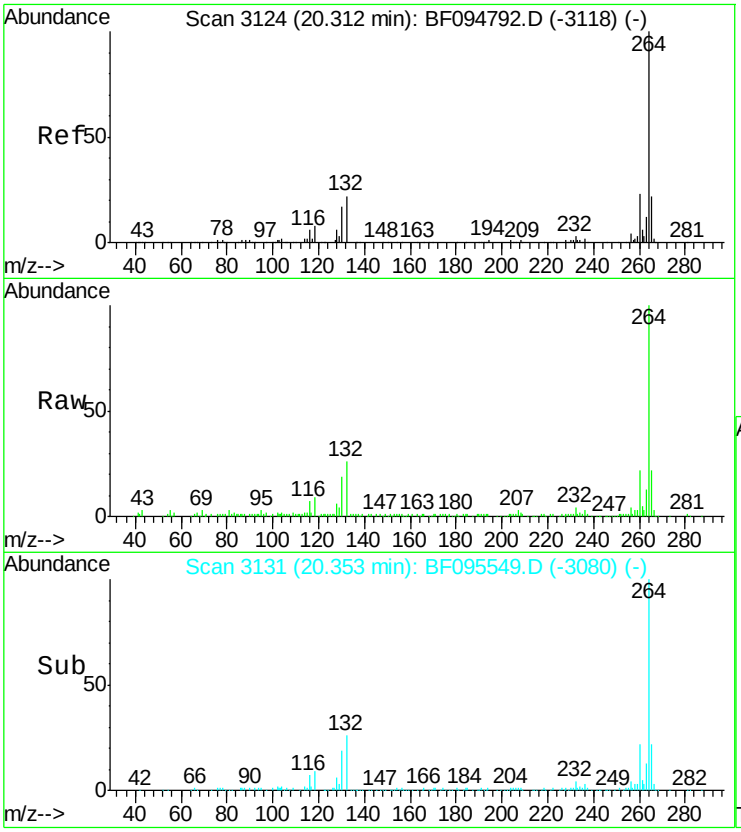


#82
Chrysene
Concen: 2.92 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:228 Resp: 33080

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	21.5	15.8	23.6

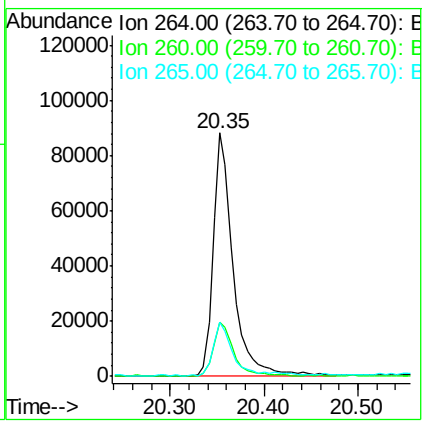




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

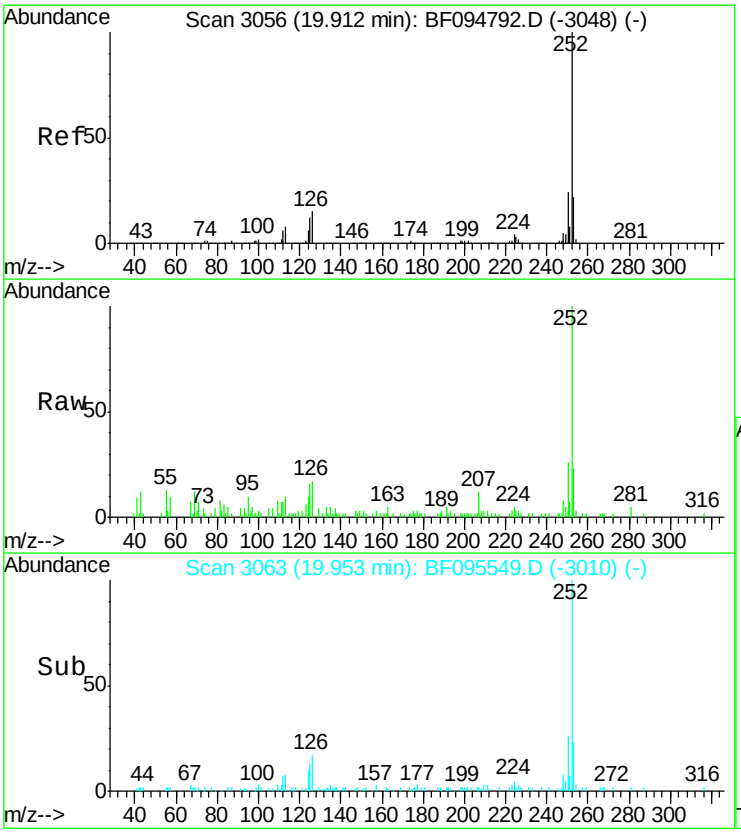
Tgt Ion:264 Resp: 131610

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	22.1	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
NM12-COMP-0-6

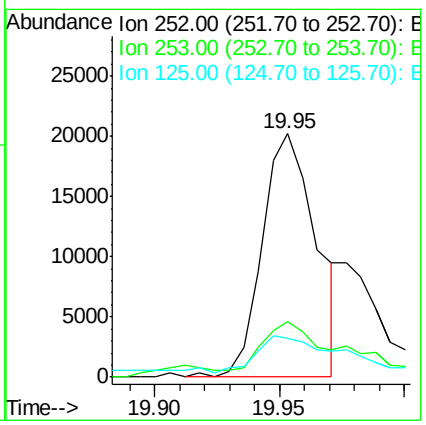
Manual Integrations APPROVED
mohammad
5/31/2017 5:02:59 PM

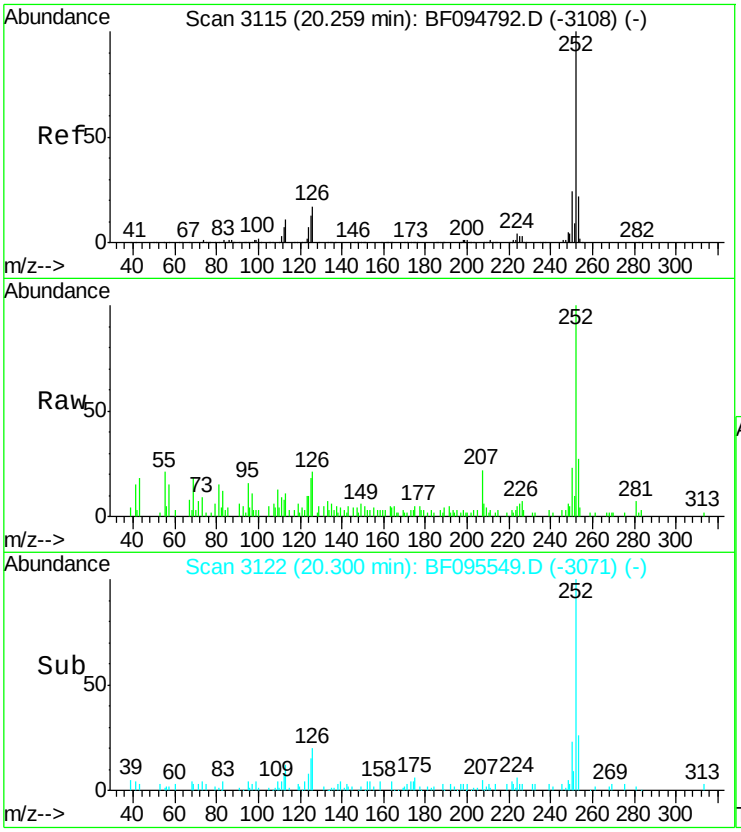


#87
Benzo(b)fluoranthene
Concen: 3.77 ng m
RT: 19.95 min Scan# 3063
Delta R.T. 0.01 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:252 Resp: 30634

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	16.1	9.8	14.8#





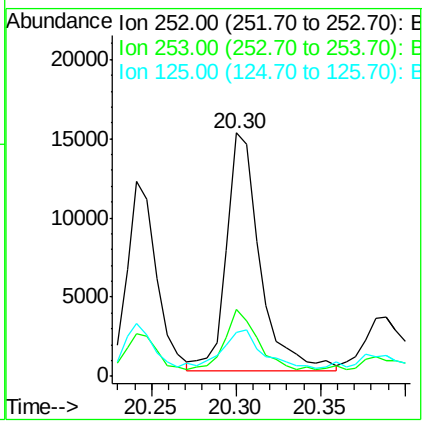
#89
Benzo(a)pyrene
Concen: 2.77 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

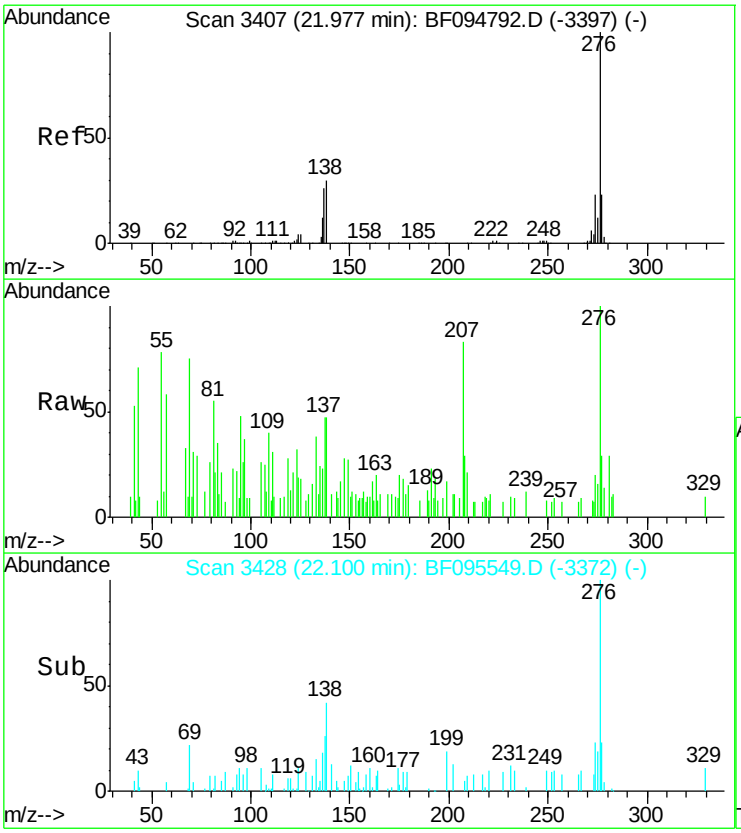
Tgt Ion:252 Resp: 20774

Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.5	26.3#
125	17.8	11.0	16.4#

Instrument :
BNA_F
ClientSampleId :
NM12-COMP-0-6

Manual Integrations APPROVED
mohammad
5/31/2017 5:02:59 PM





#91
Benzo(g,h,i)perylene
Concen: 2.01 ng
RT: 22.10 min Scan# 3428
Delta R.T. 0.03 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:276 Resp: 12240

Ion	Ratio	Lower	Upper
276	100		
277	29.4	18.6	28.0#
138	47.0	25.4	38.0#