Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093235.D
Acq On : 28 Feb 2017 5:22
Operator : SJ/MA
Sample : I1972-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

Manual Integrations APPROVED
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2/28/2017 2:35:56 PM

Quant Time: Feb 28 05:47:54 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 28 00:51:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	158773	20.00	ng		0.00
21) Naphthalene-d8	8.11	136	587225	20.00	ng		0.00
38) Acenaphthene-d10	9.86	164	252553	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	405151	20.00	ng		0.00
75) Chrysene-d12	13.99	240	309017	20.00	ng		0.00
86) Perylene-d12	15.43	264	225632	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	72595	7.84	ng		0.00
7) Phenol-d6	6.48	99	86799	7.29	ng		0.00
23) Nitrobenzene-d5	7.39	82	50475	4.79	ng		0.00
41) 2,4,6-Tribromophenol	10.65	330	11397	6.24	ng		-0.01
44) 2-Fluorobiphenyl	9.18	172	92057	6.60	ng		0.00
78) Terphenyl-d14	12.92	244	69668	5.30	ng		-0.01
Target Compounds							Qvalue
70) Phenanthrene	11.37	178	63079	2.72	ng		96
74) Fluoranthene	12.56	202	69833	2.92	ng		99
77) Pyrene	12.79	202	122023	5.28	ng		99
80) Benzo(a)anthracene	13.97	228	51611	2.73	ng	#	81
82) Chrysene	14.01	228	37516m	2.12	ng		
87) Benzo(b)fluoranthene	15.01	252	48557m	3.27	ng		
89) Benzo(a)pyrene	15.36	252	48342	3.76	ng	#	73
91) Benzo(g,h,i)perylene	17.25	276	42513	4.05	ng	#	87

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

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Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

Manual Integrations APPROVED
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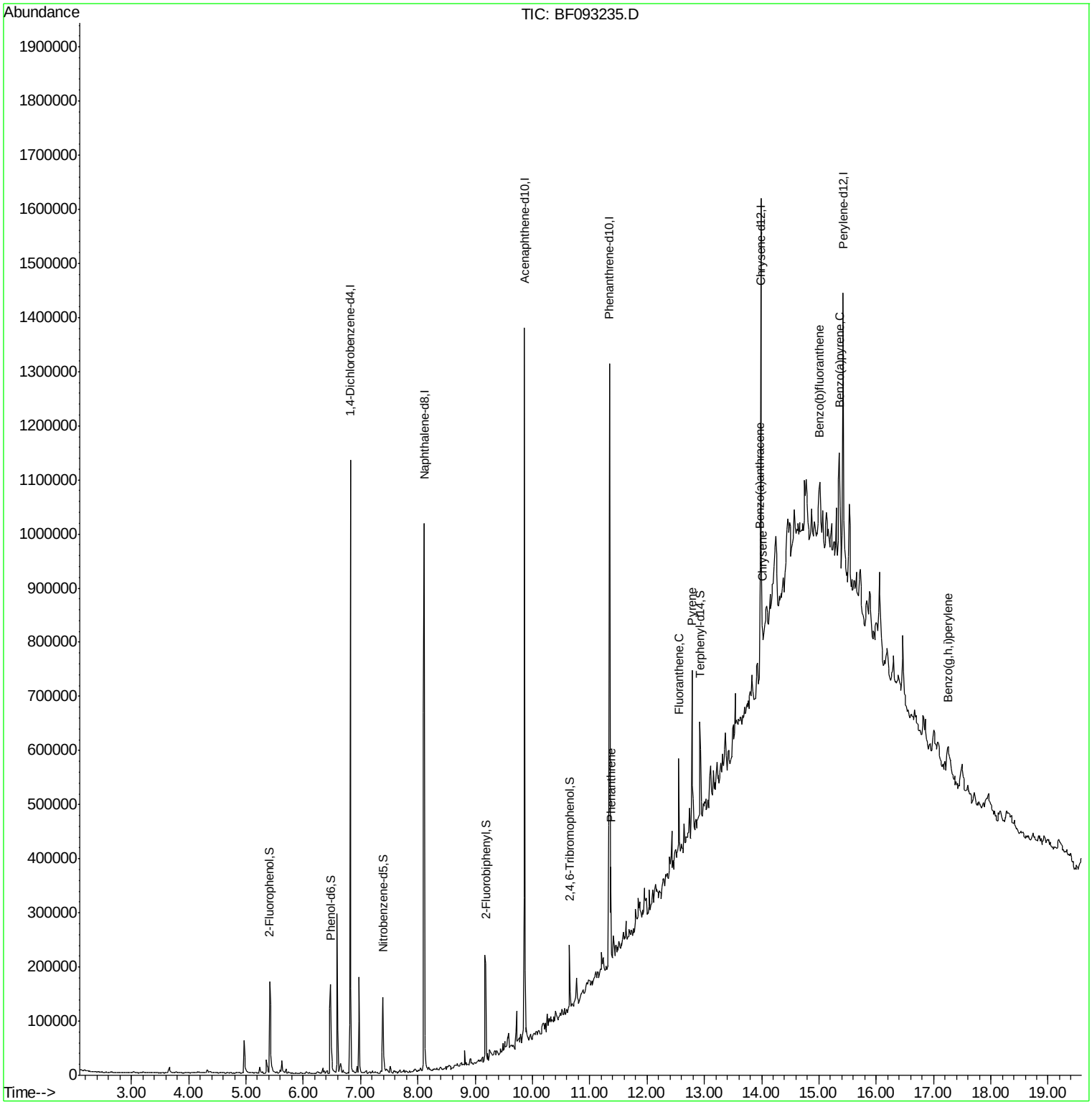
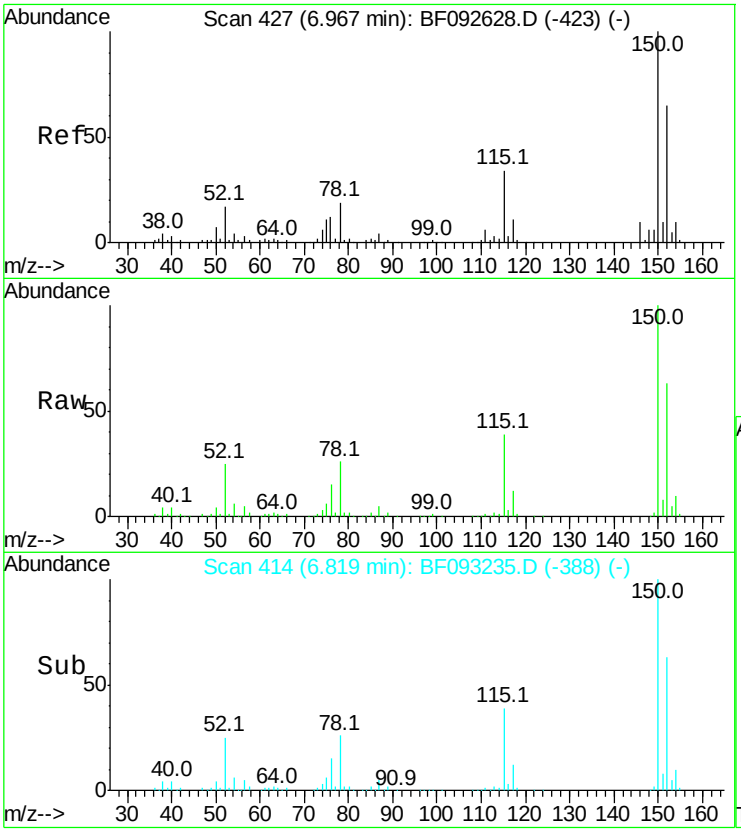
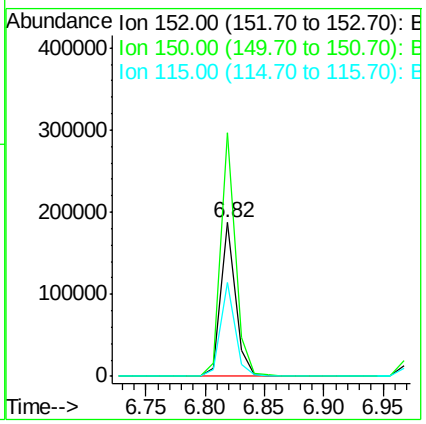




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:152 Resp: 158773

Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.9	187.3
115	61.3	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

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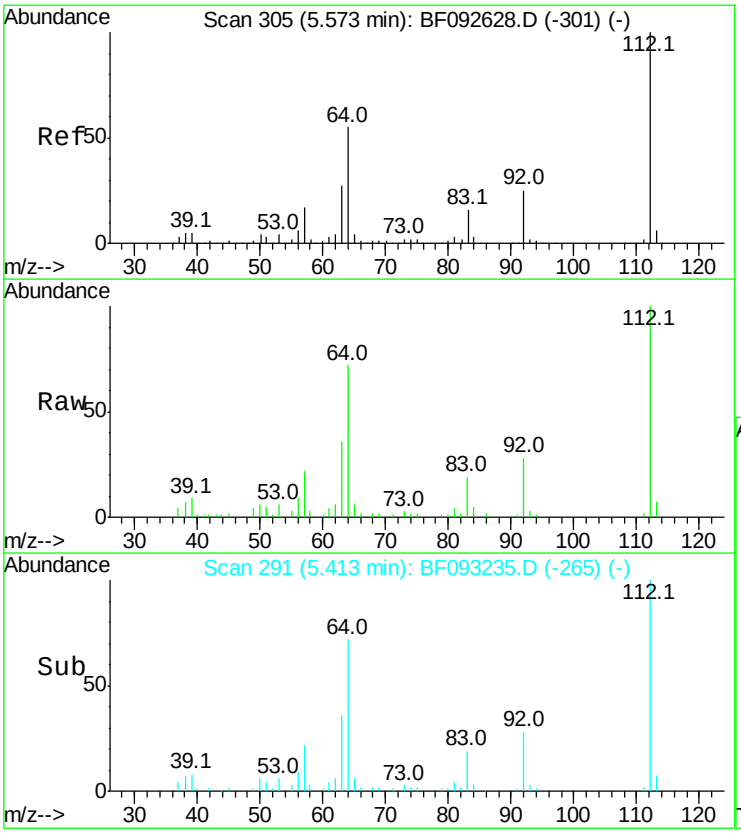
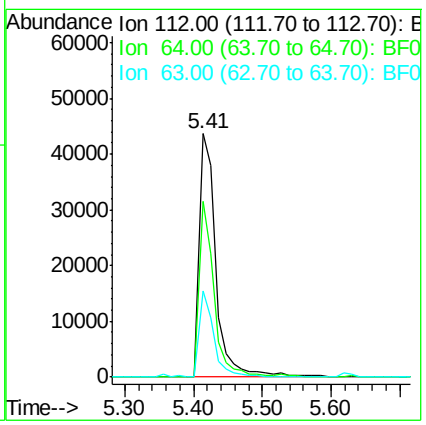
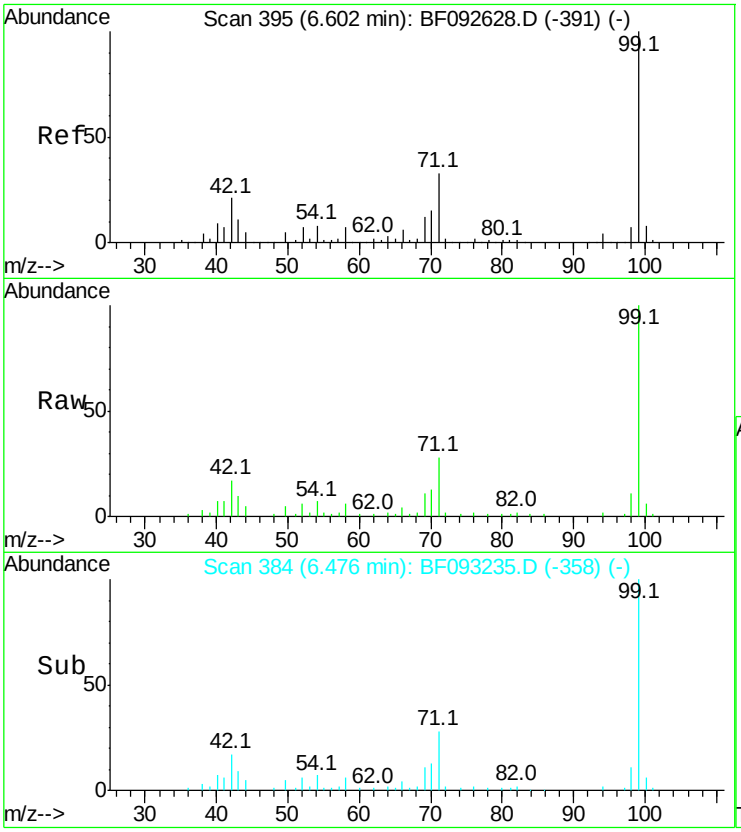


#5
2-Fluorophenol
Concen: 7.84 ng
RT: 5.41 min Scan# 291
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:112 Resp: 72595

Ion	Ratio	Lower	Upper
112	100		
64	72.2	46.1	69.1#
63	35.6	23.8	35.6

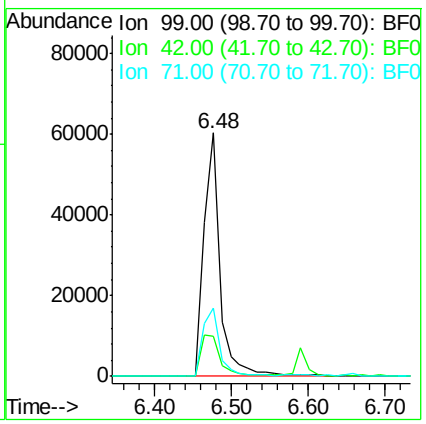




#7
Phenol-d6
Concen: 7.29 ng
RT: 6.48 min Scan# 384
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion: 99 Resp: 86799

Ion	Ratio	Lower	Upper
99	100		
42	16.7	15.6	23.4
71	28.3	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
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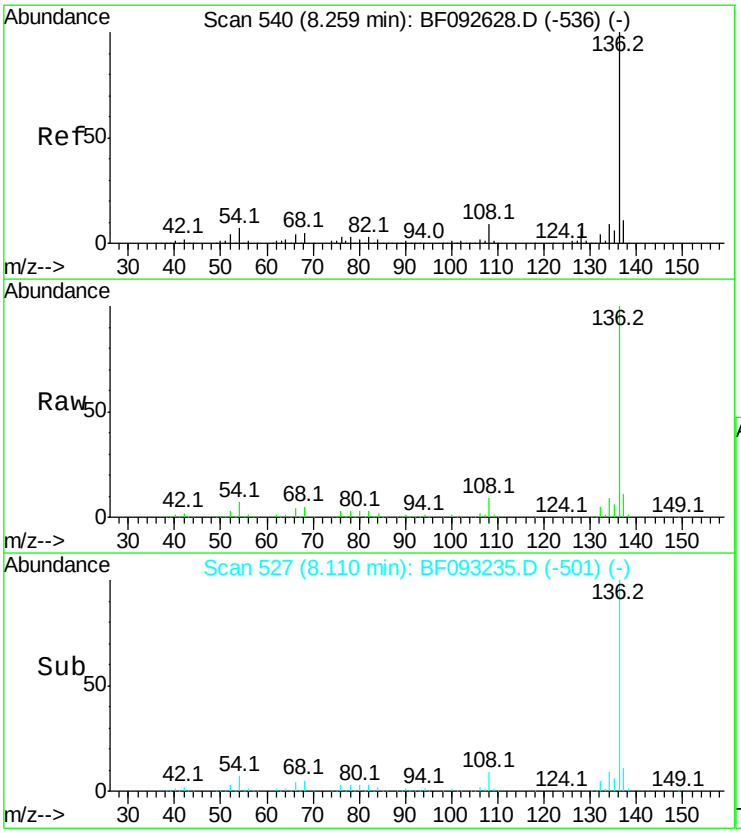
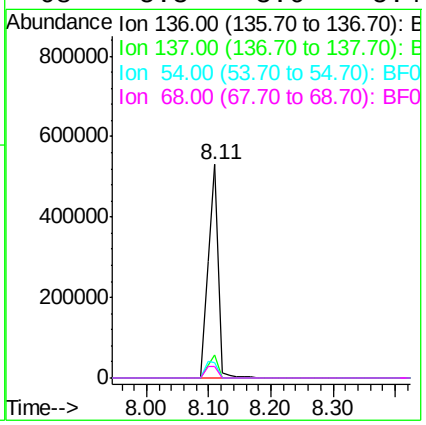
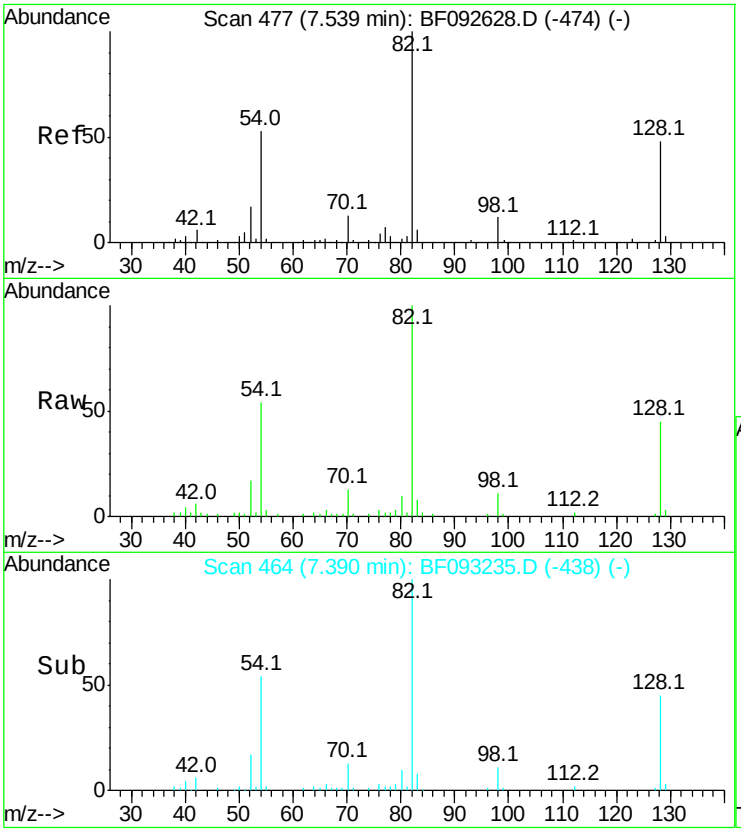


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:136 Resp: 587225

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.3	4.5	6.7#
68	5.3	3.6	5.4

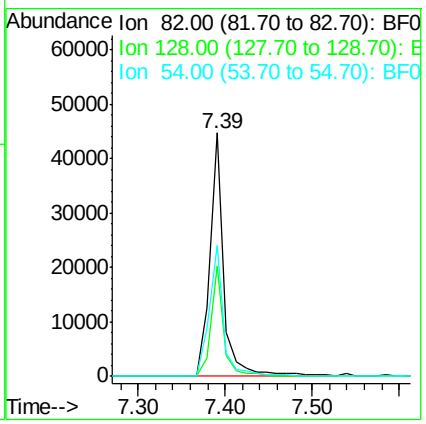




#23
Nitrobenzene-d5
Concen: 4.79 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion: 82 Resp: 50475

Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.6	52.0
54	54.0	39.5	59.3



Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

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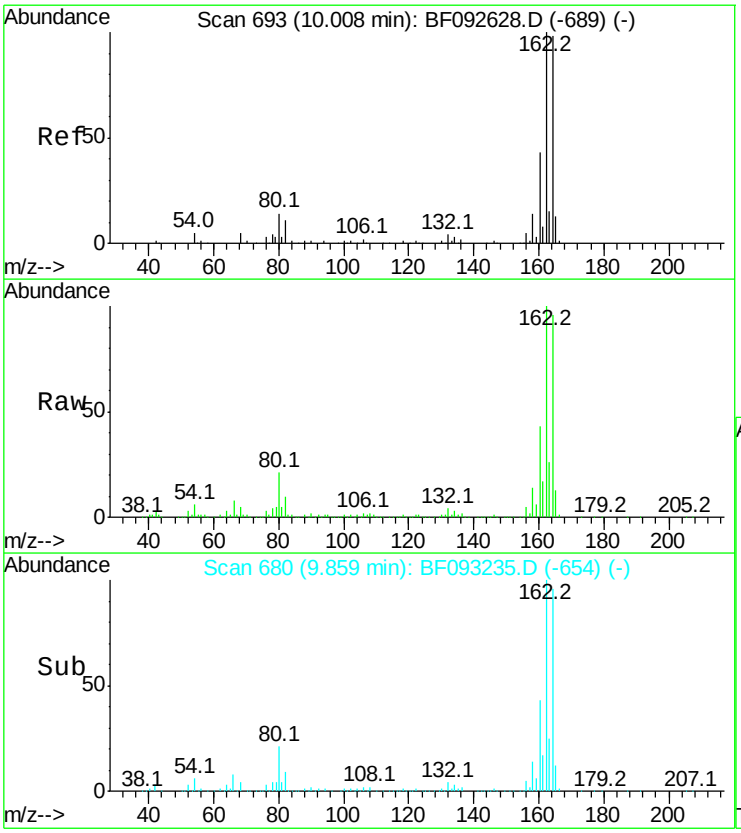
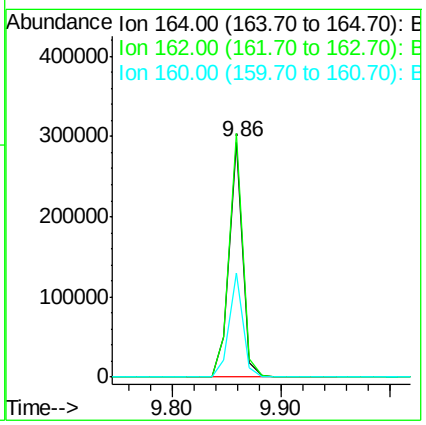
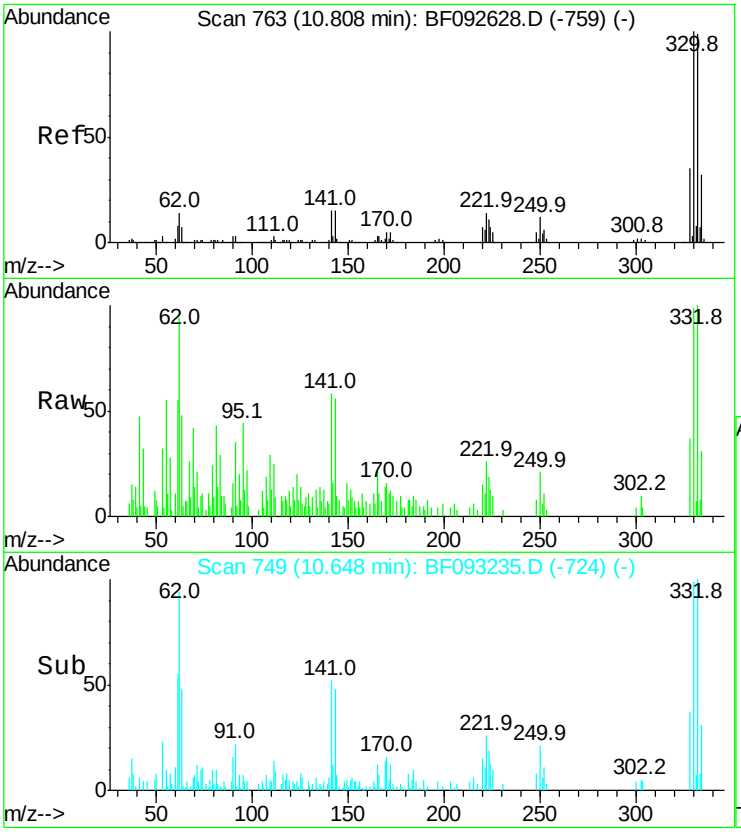


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:164 Resp: 252553

Ion	Ratio	Lower	Upper
164	100		
162	103.7	80.2	120.2
160	44.5	36.9	55.3

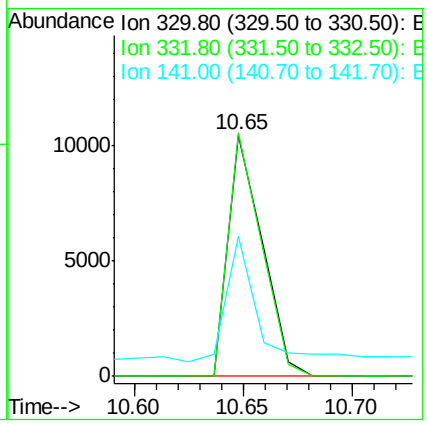




#41
2,4,6-Tribromophenol
Concen: 6.24 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:330 Resp: 11397

Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.4	116.2
141	57.8	34.1	51.1#



Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

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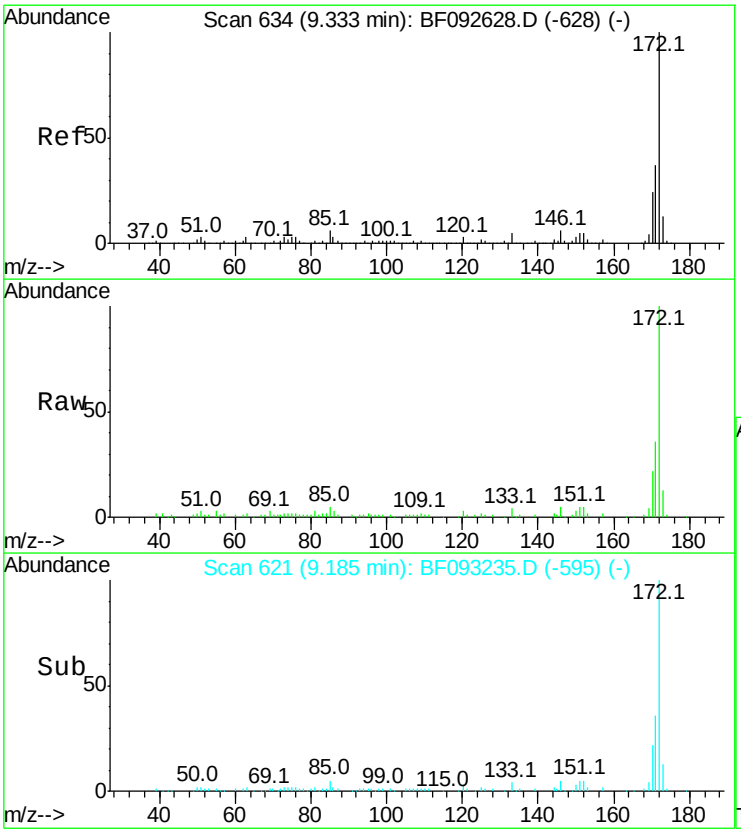
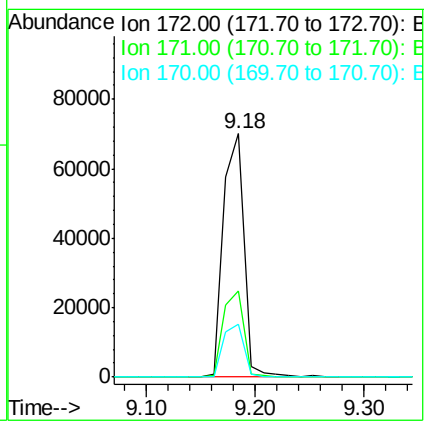
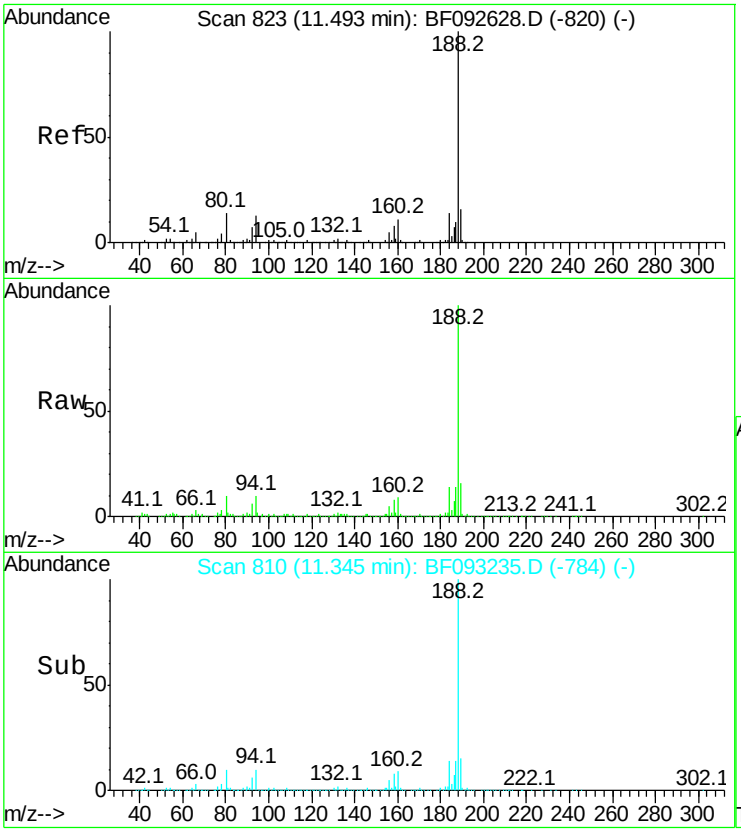


#44
2-Fluorobiphenyl
Concen: 6.60 ng
RT: 9.18 min Scan# 621
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:172 Resp: 92057

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	22.0	20.2	30.4

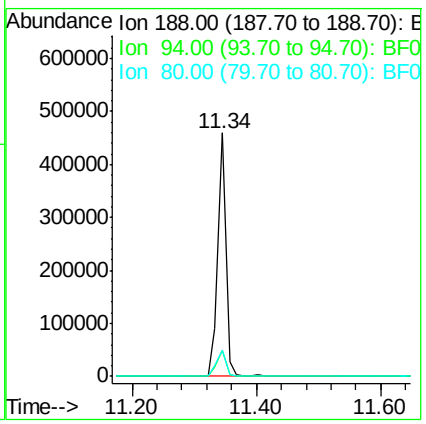




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:188 Resp: 405151

Ion	Ratio	Lower	Upper
188	100		
94	10.5	10.0	15.0
80	10.5	11.2	16.8#



Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

Manual Integrations APPROVED
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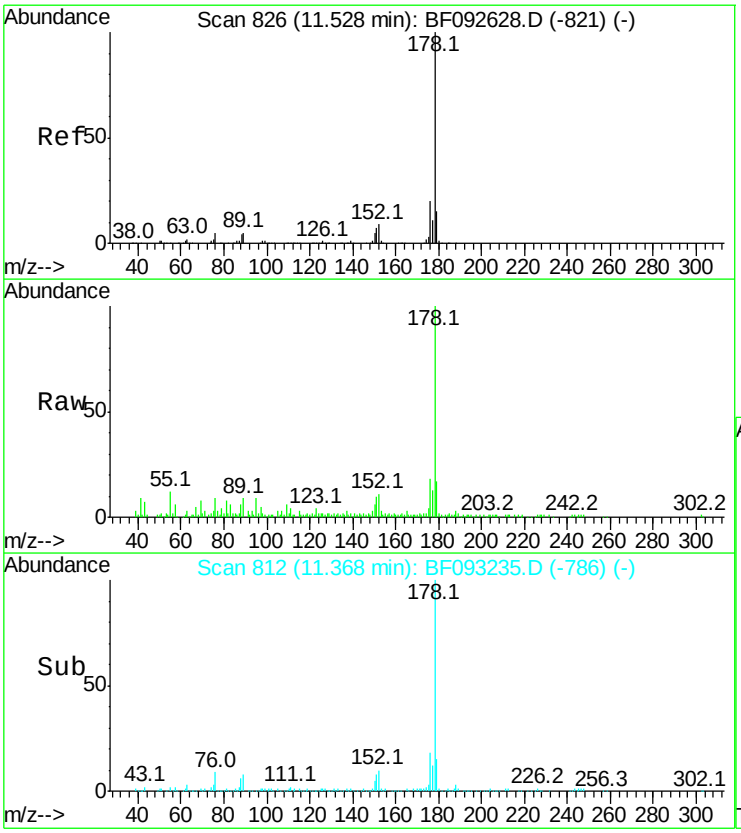
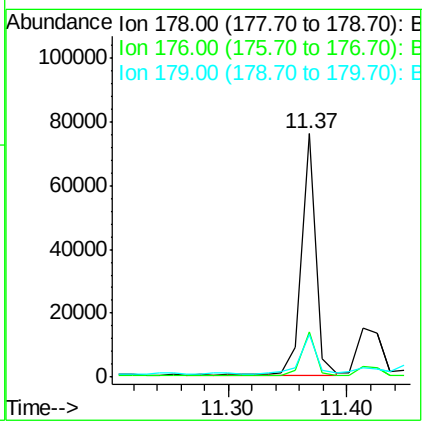
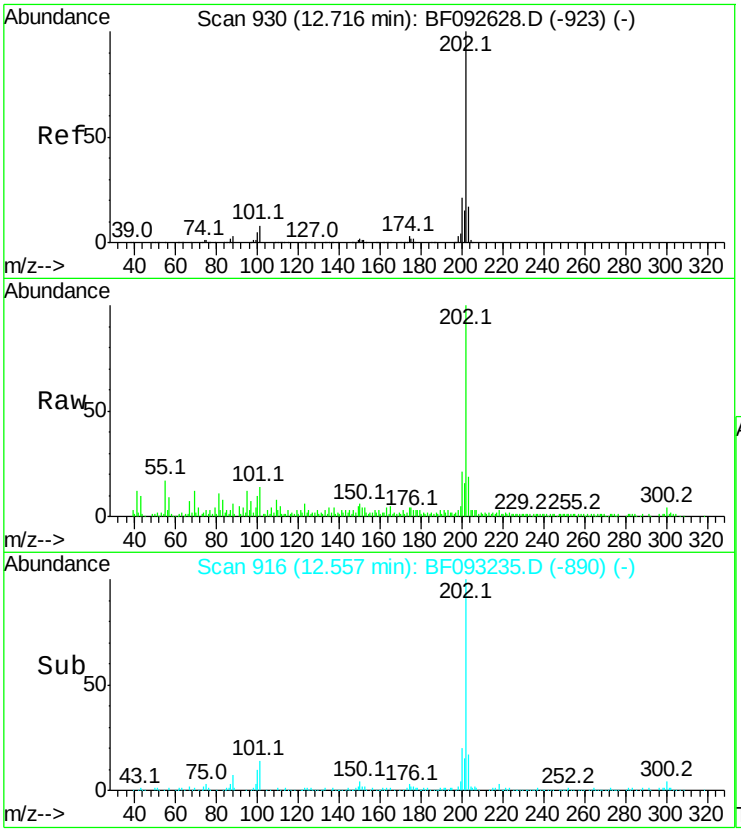


#70
Phenanthrene
Concen: 2.72 ng
RT: 11.37 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:178 Resp: 63079

Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.6	25.0
179	17.3	12.8	19.2

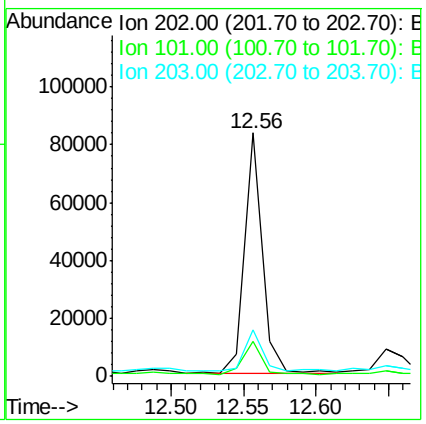




#74
Fluoranthene
Concen: 2.92 ng
RT: 12.56 min Scan# 916
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:202 Resp: 69833

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.6
203	19.3	0.0	38.7



Instrument :
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ClientSampleId :
E2B21-BASE-2

Manual Integrations APPROVED
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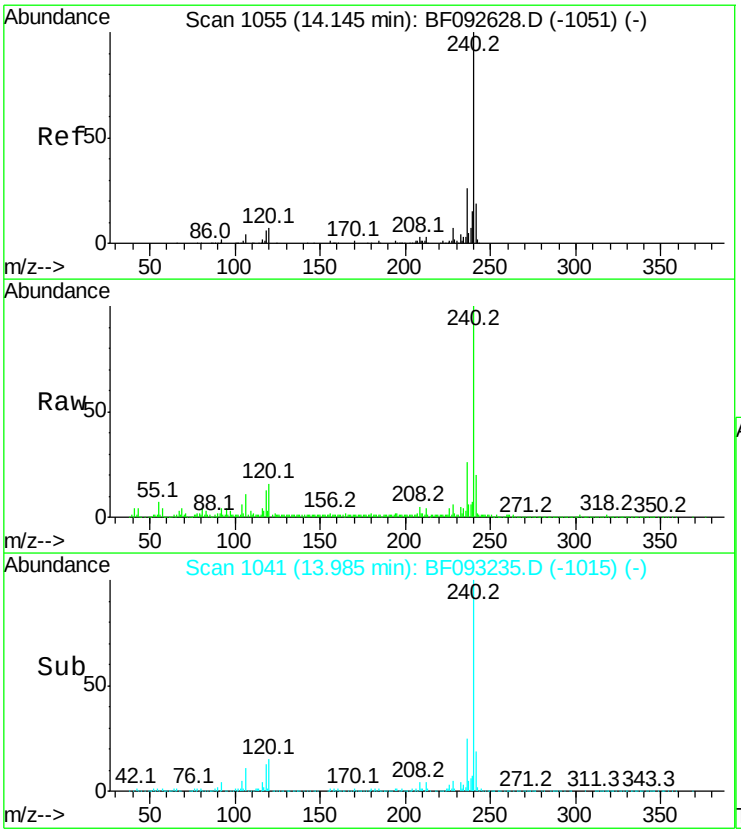
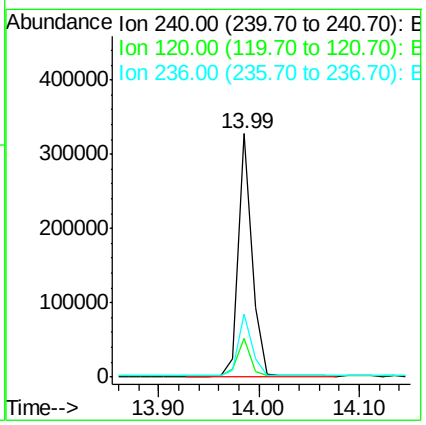
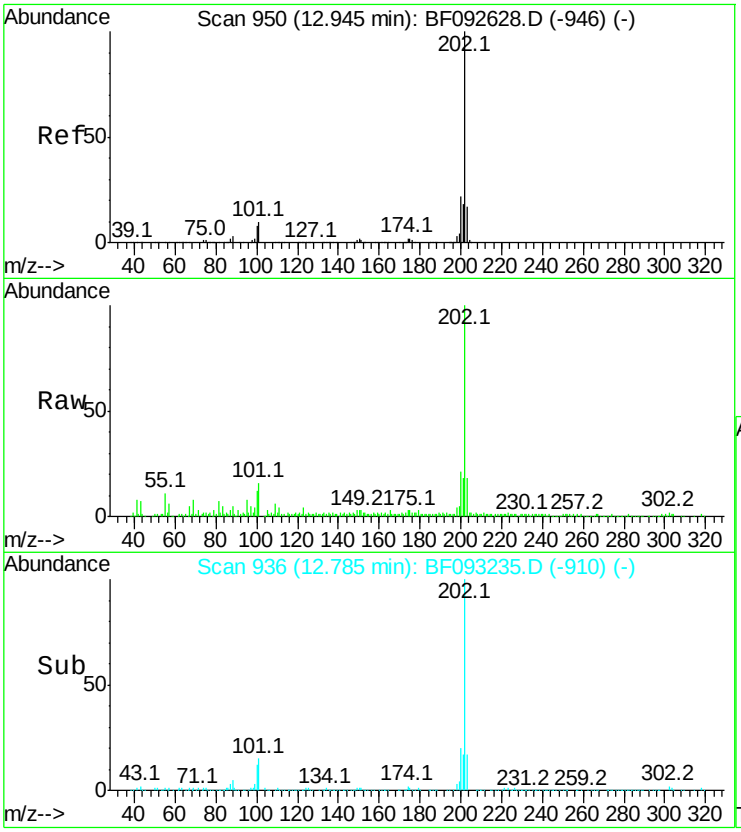


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:240 Resp: 309017

Ion	Ratio	Lower	Upper
240	100		
120	15.7	12.9	19.3
236	25.9	20.9	31.3

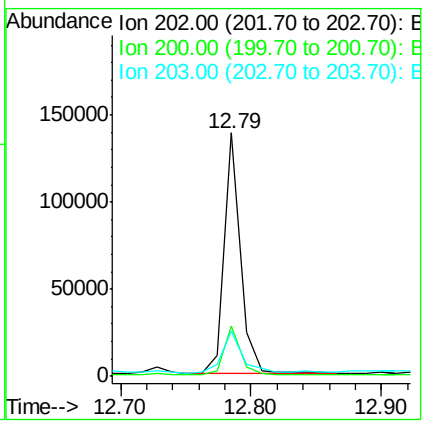




#77
Pyrene
Concen: 5.28 ng
RT: 12.79 min Scan# 936
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:202 Resp: 122023

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.7	26.5
203	18.5	14.7	22.1



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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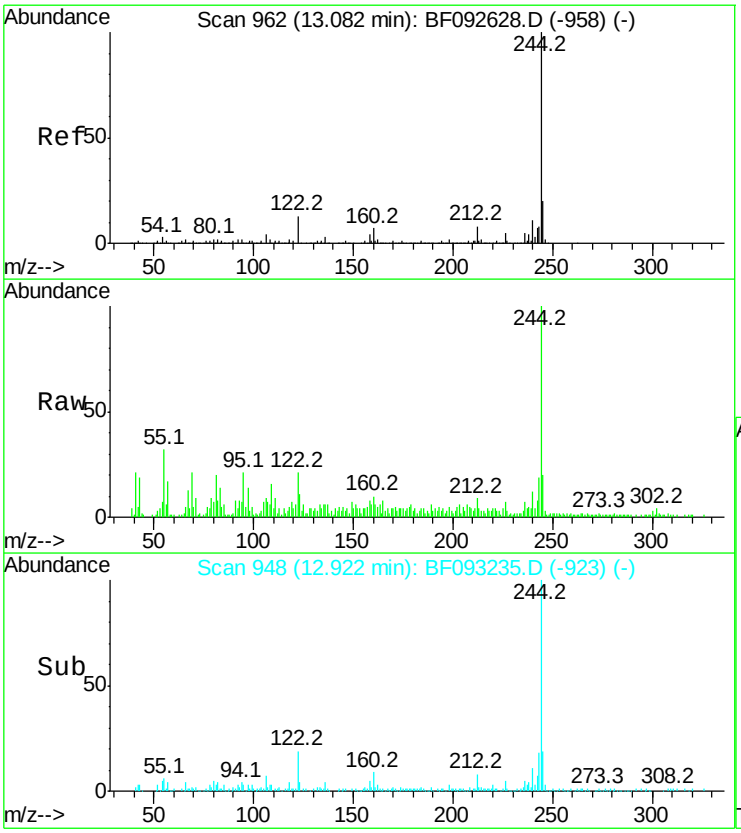
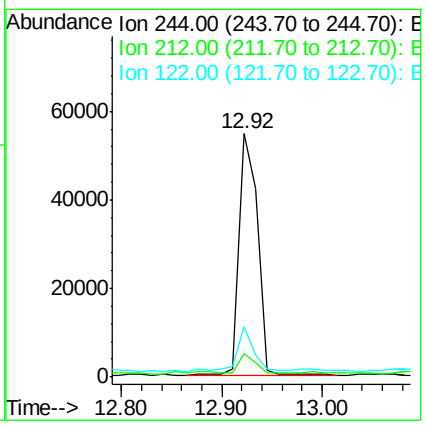
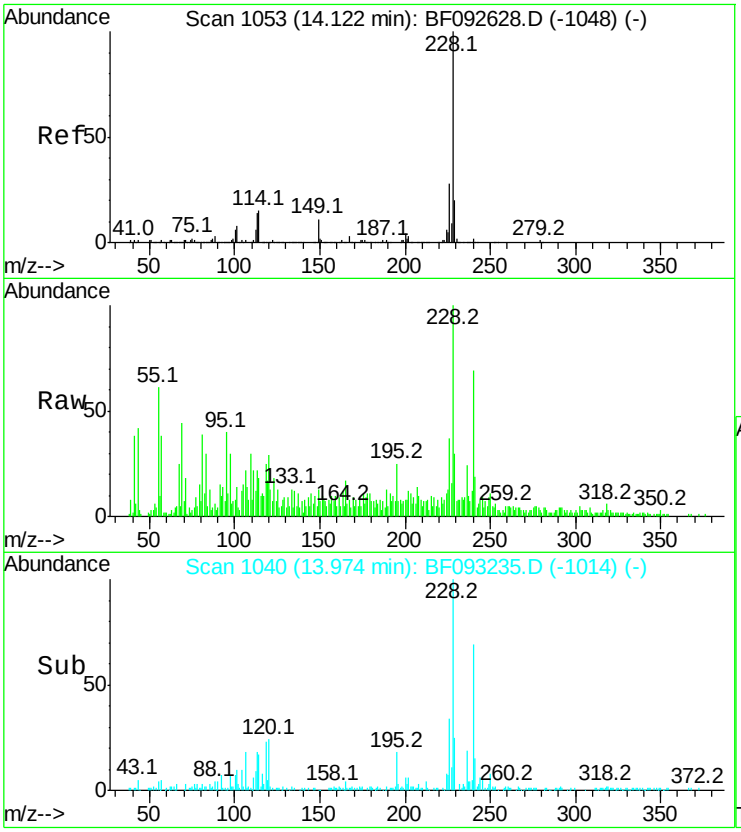


#78
Terphenyl-d14
Concen: 5.30 ng
RT: 12.92 min Scan# 948
Delta R.T. -0.01 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:244 Resp: 69668

Ion	Ratio	Lower	Upper
244	100		
212	9.4	6.2	9.2#
122	20.8	11.4	17.2#

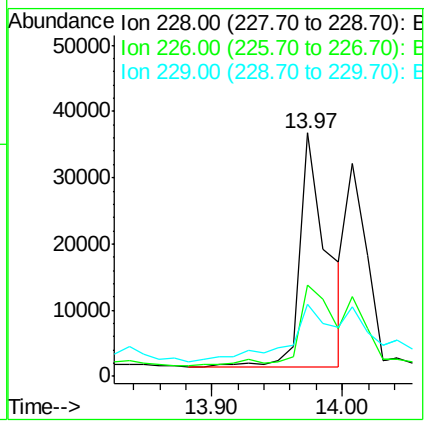




#80
Benzo(a)anthracene
Concen: 2.73 ng
RT: 13.97 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:228 Resp: 51611

Ion	Ratio	Lower	Upper
228	100		
226	37.3	22.4	33.6#
229	29.7	16.2	24.4#



Instrument :
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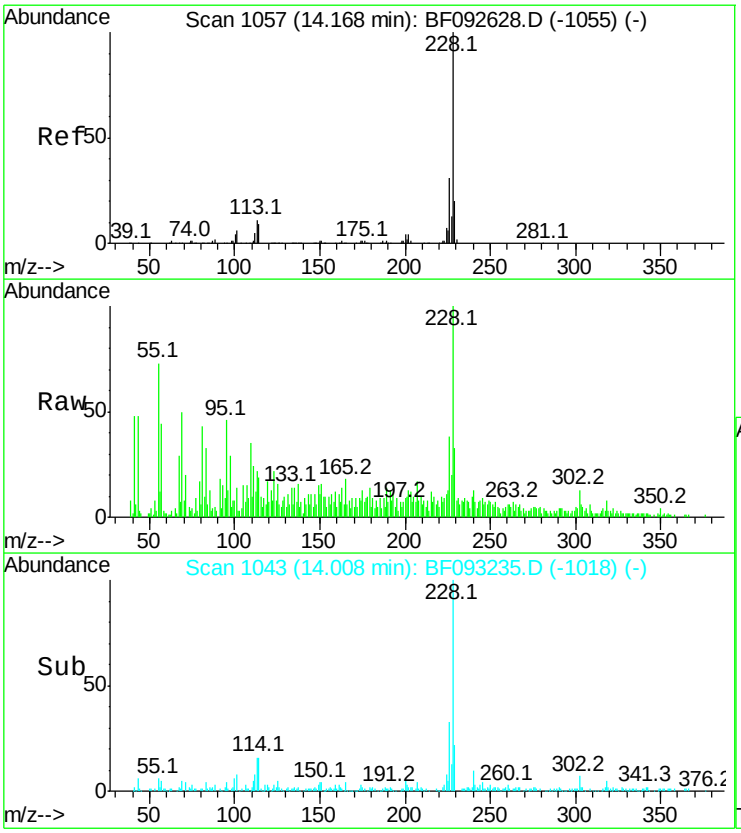
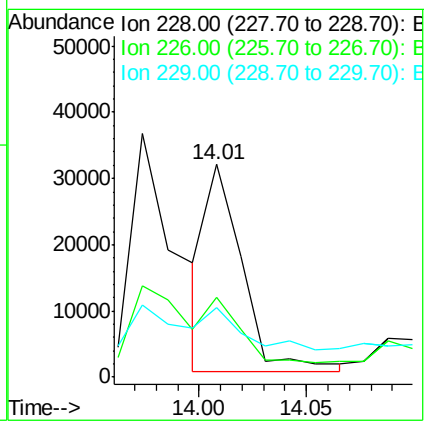
2/28/2017 2:35:56 PM

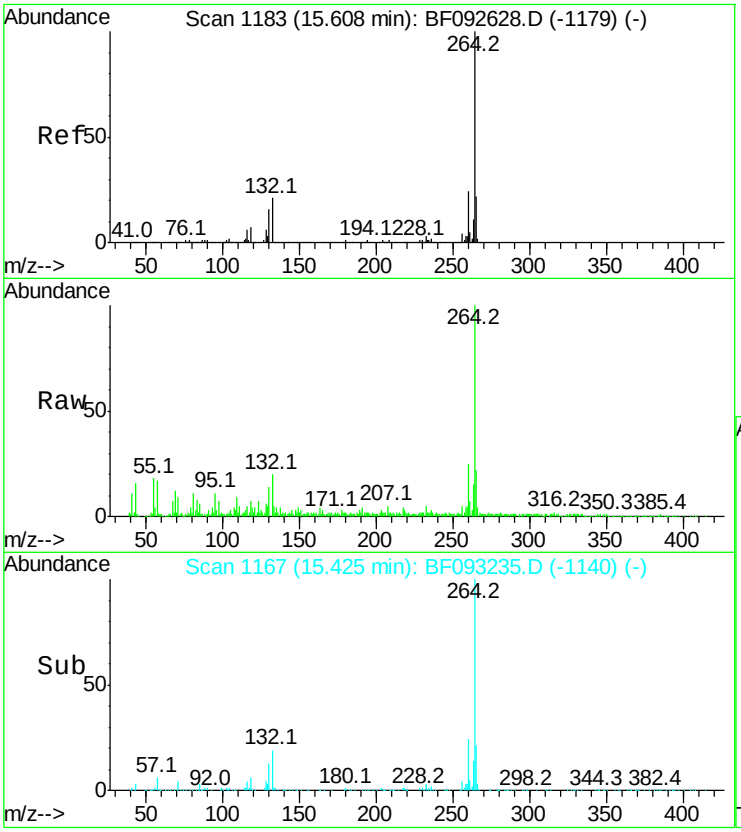


#82
Chrysene
Concen: 2.12 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:228 Resp: 37516

Ion	Ratio	Lower	Upper
228	100		
226	37.6	25.4	38.0
229	33.0	16.2	24.2#





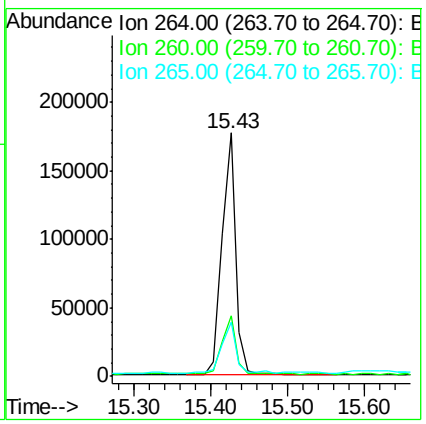
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

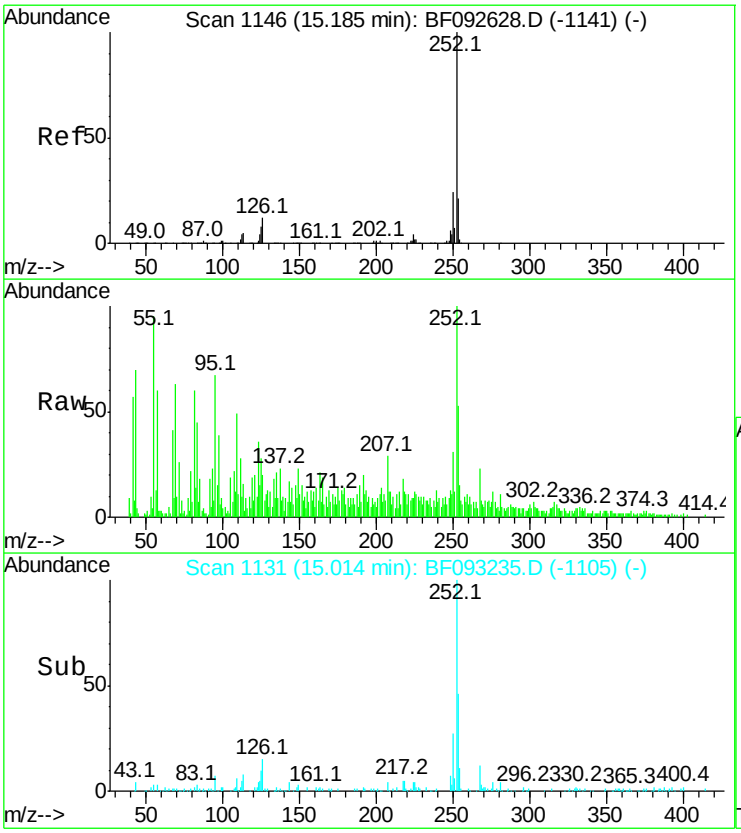
Tgt Ion:264 Resp: 225632

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.4	17.4	26.0

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

Manual Integrations APPROVED
mohammad
2/28/2017 2:35:56 PM

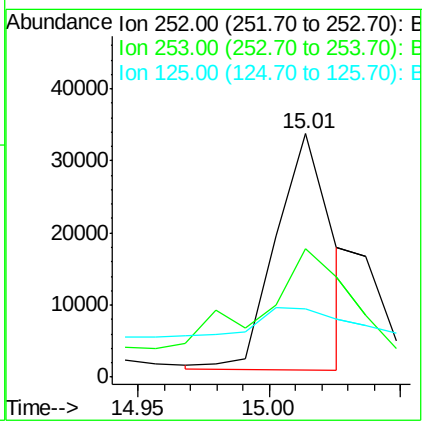


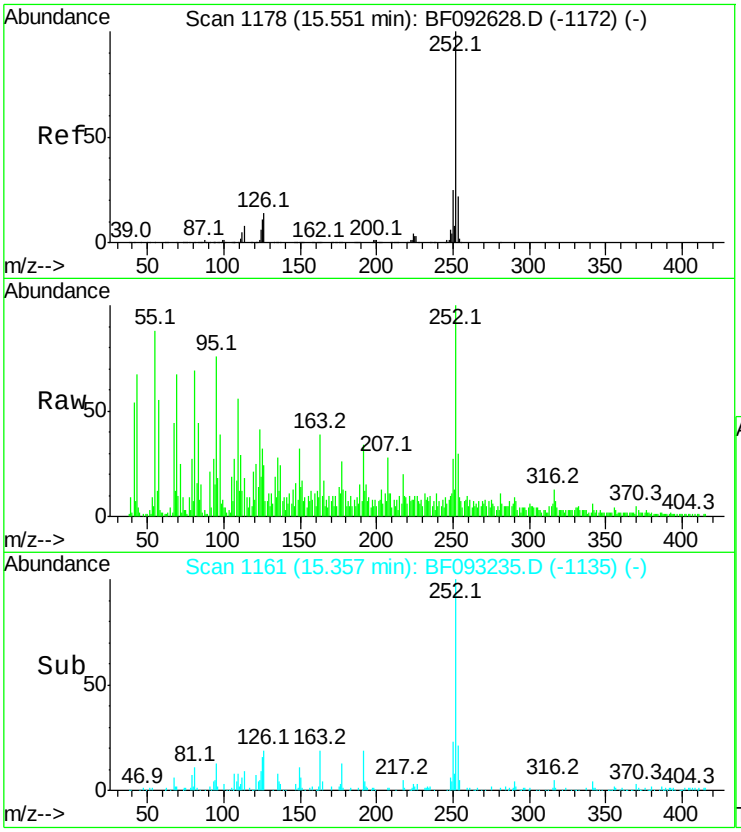


#87
Benzo(b)fluoranthene
Concen: 3.27 ng m
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:252 Resp: 48557

Ion	Ratio	Lower	Upper
252	100		
253	52.5	18.2	27.4#
125	27.9	9.8	14.6#





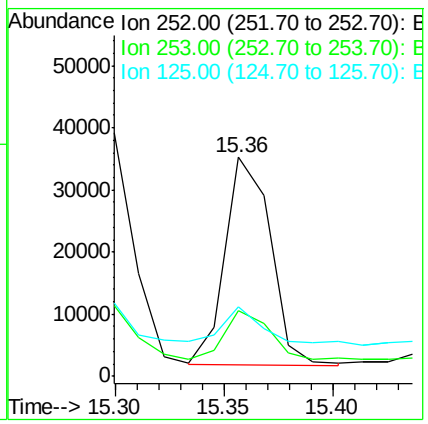
#89
Benzo(a)pyrene
Concen: 3.76 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

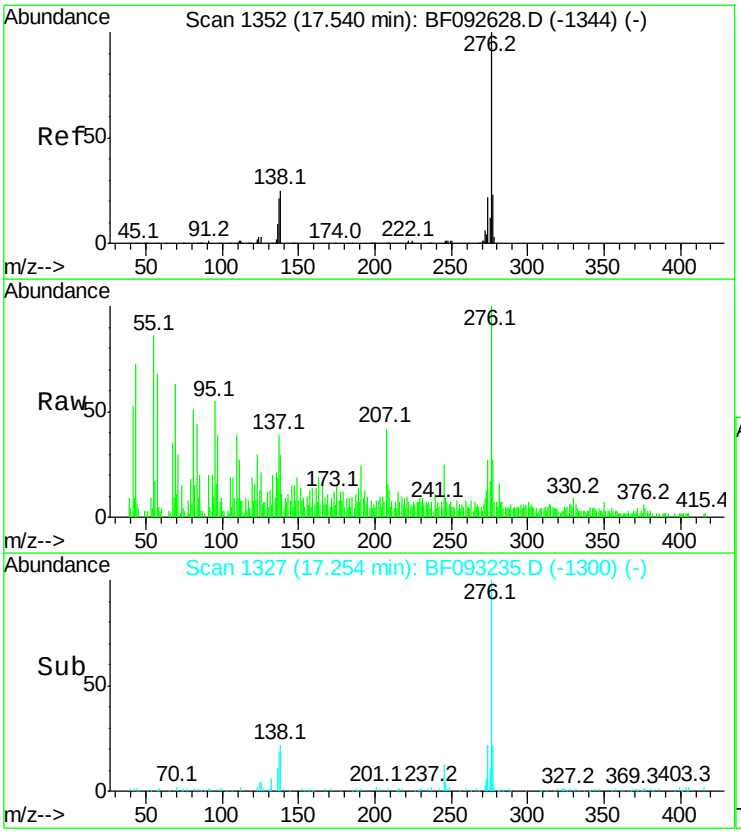
Tgt Ion:252 Resp: 48342

Ion	Ratio	Lower	Upper
252	100		
253	30.2	18.2	27.2#
125	31.6	10.0	15.0#

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

Manual Integrations APPROVED
mohammad
2/28/2017 2:35:56 PM





#91
Benzo(g,h,i)perylene
Concen: 4.05 ng
RT: 17.25 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:276 Resp: 42513

Ion	Ratio	Lower	Upper
276	100		
277	27.4	19.2	28.8
138	29.6	16.0	24.0#