Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089813.D
Acq On : 19 Aug 2016 23:06
Operator : UM/SJ
Sample : H4518-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
A-2(0-8)

Manual Integrations APPROVED
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8/22/2016 3:48:30 PM

Quant Time: Aug 22 02:24:53 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	582944	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	1997355	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	897792	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	1408358	20.00	ng	0.00
75) Chrysene-d12	13.85	240	1009373	20.00	ng	-0.02
86) Perylene-d12	15.34	264	1153229	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	3431012	100.93	ng	0.01
7) Phenol-d6	6.33	99	4822103	115.56	ng	0.01
23) Nitrobenzene-d5	7.24	82	2703796	84.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.50	330	778571	91.25	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	4188627	82.00	ng	0.00
78) Terphenyl-d14	12.78	244	2710184	60.74	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	1115916	17.65	ng	99
70) Phenanthrene	11.21	178	238154	3.35	ng	99
74) Fluoranthene	12.40	202	310340	4.59	ng	94
77) Pyrene	12.62	202	290954	3.54	ng	96
80) Benzo(a)anthracene	13.84	228	166304	2.88	ng	98
82) Chrysene	13.87	228	118880	2.40	ng	96
87) Benzo(b)fluoranthene	14.95	252	194728m	3.07	ng	

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

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ClientSampleId :
A-2(0-8)

Manual Integrations APPROVED
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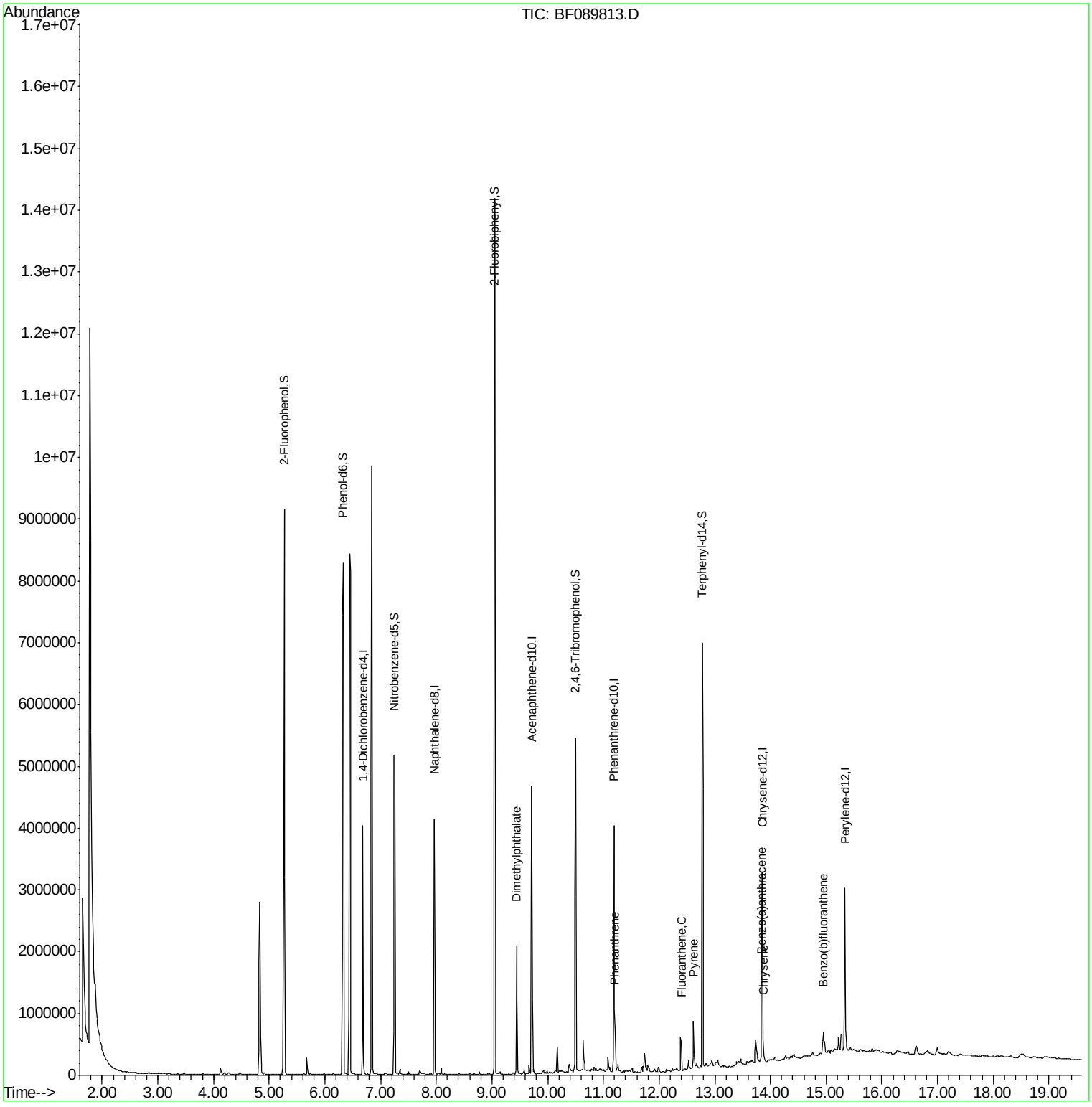
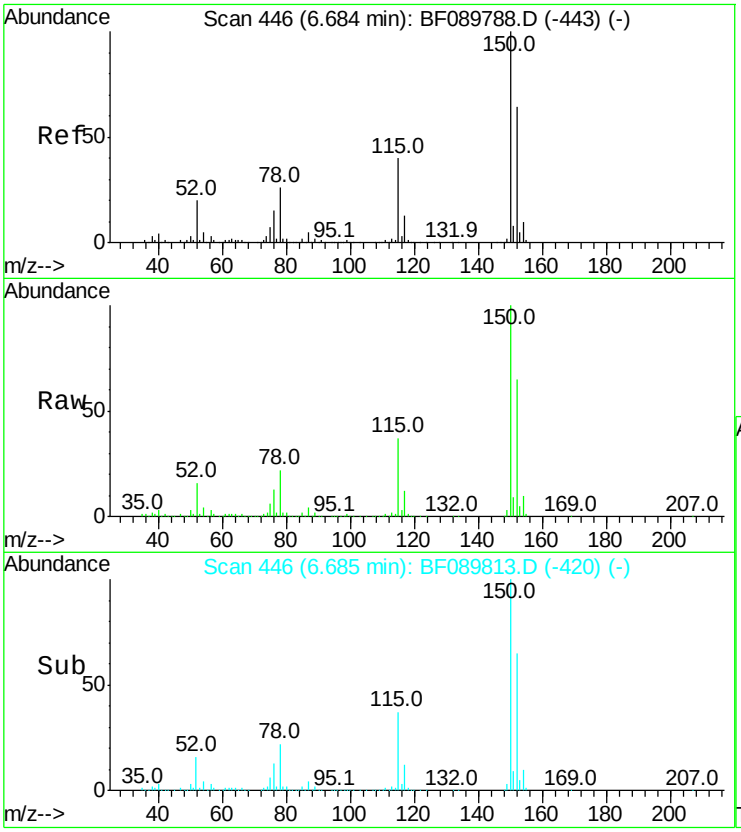
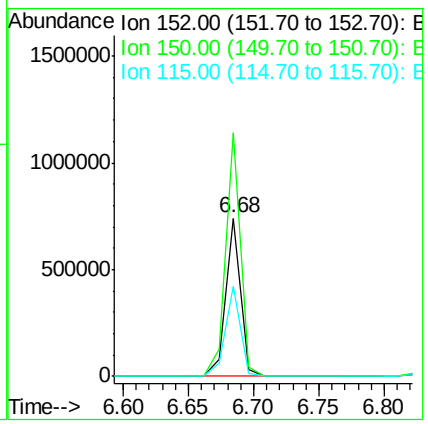




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. 0.00 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:152 Resp: 582944

Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.3	187.9
115	57.4	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
A-2(0-8)

Manual Integrations APPROVED
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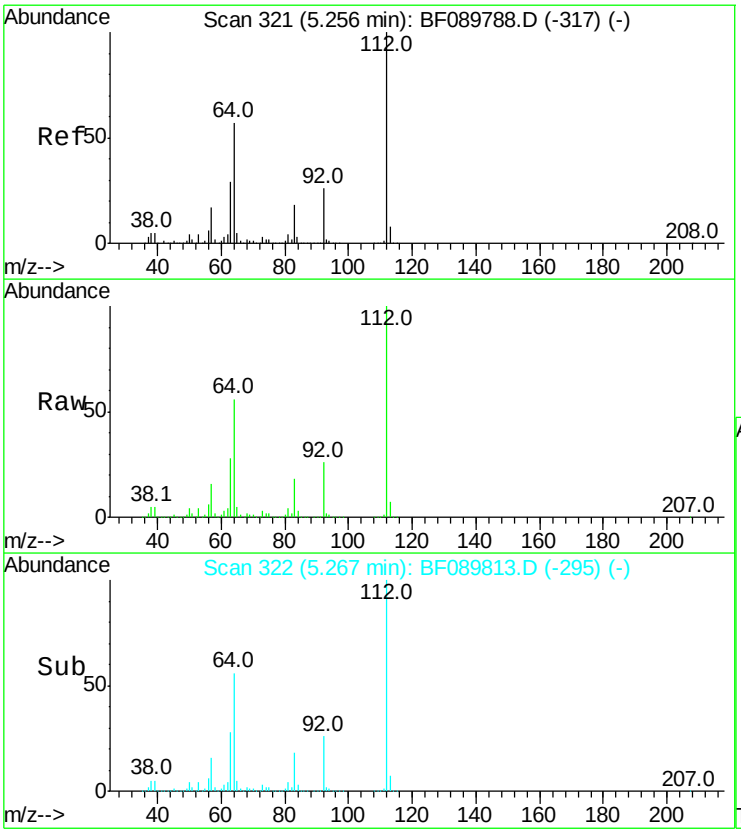
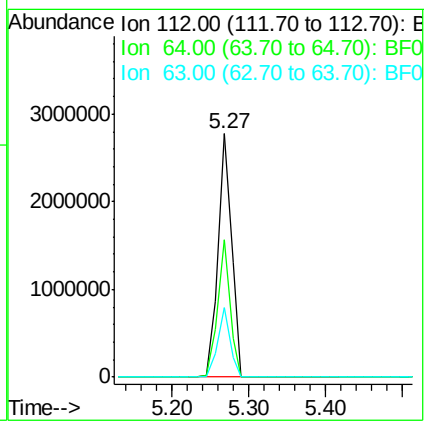
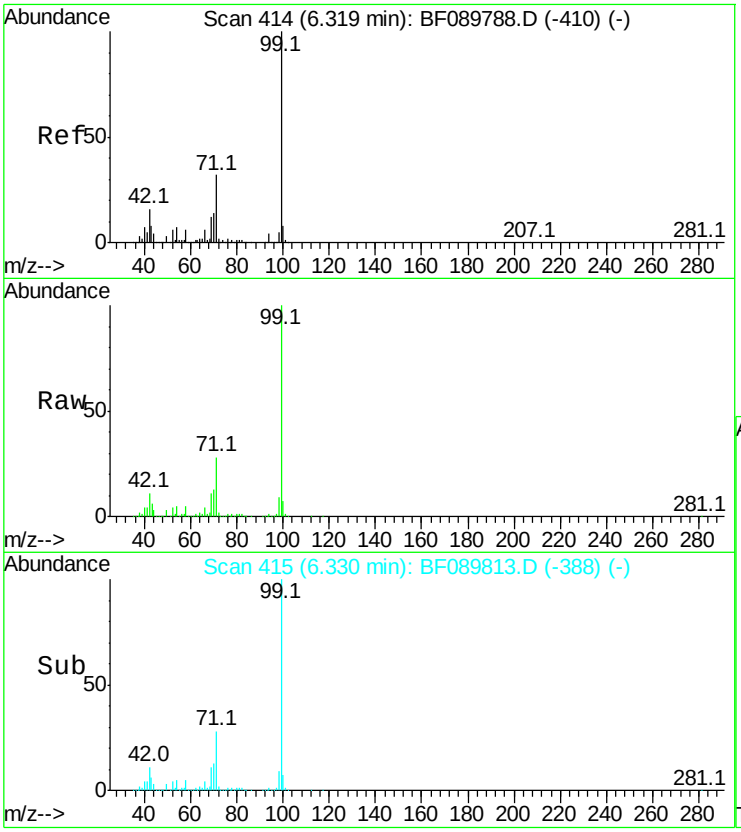


#5
2-Fluorophenol
Concen: 100.93 ng
RT: 5.27 min Scan# 322
Delta R.T. 0.01 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:112 Resp: 3431012

Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.0	67.4
63	28.5	23.1	34.7

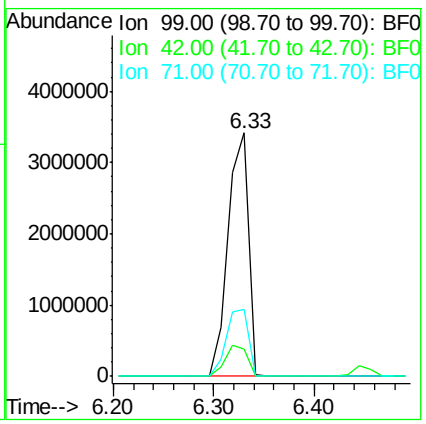




#7
Phenol-d6
Concen: 115.56 ng
RT: 6.33 min Scan# 415
Delta R.T. 0.01 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion: 99 Resp: 4822103

Ion	Ratio	Lower	Upper
99	100		
42	11.3	12.2	18.4#
71	27.8	23.8	35.8



Instrument :
BNA_F
ClientSampleId :
A-2(0-8)

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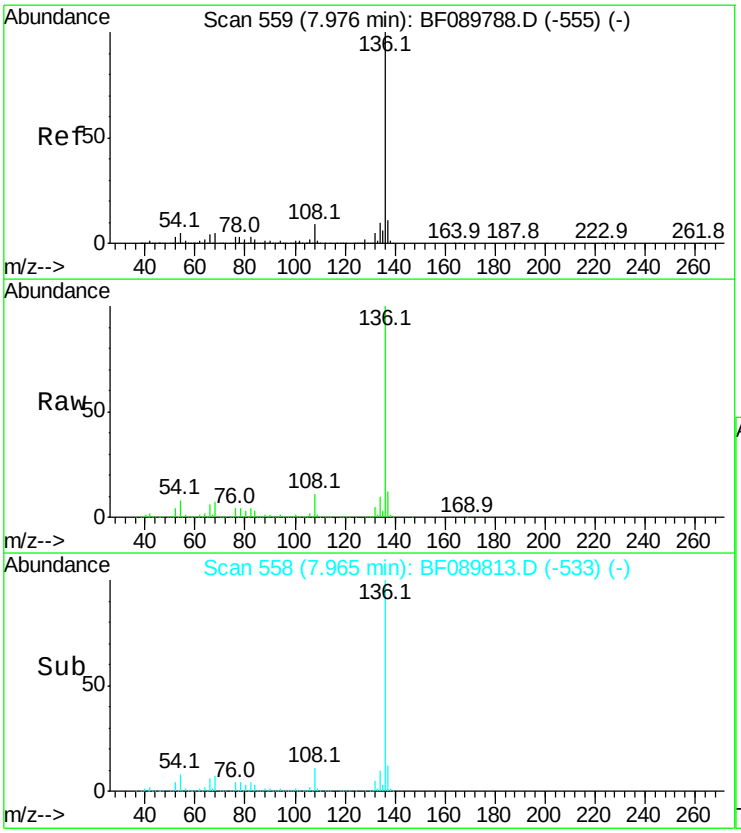
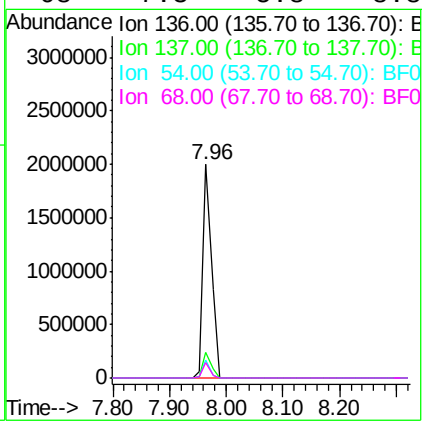
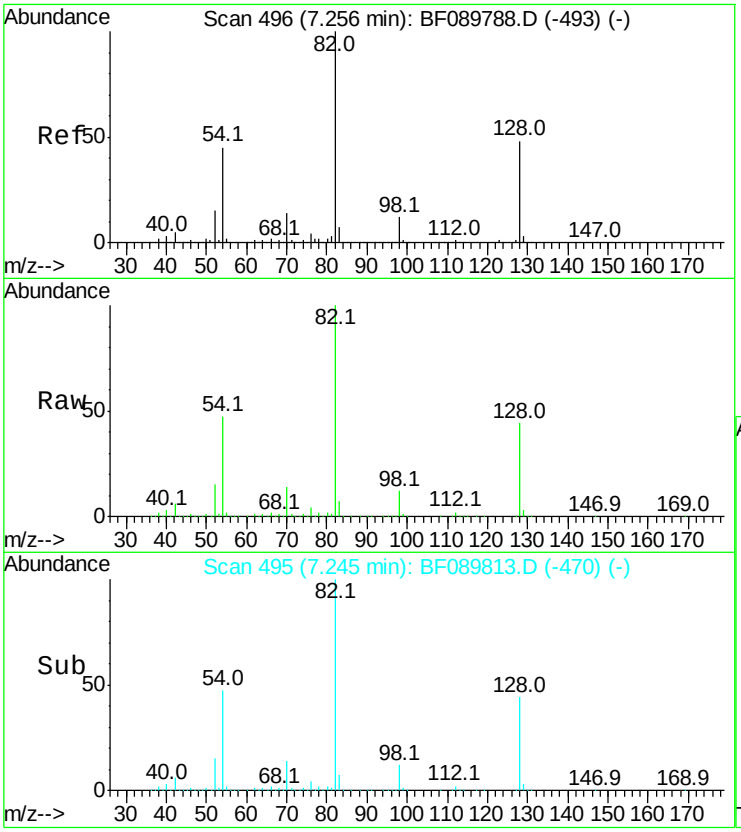


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:136 Resp: 1997355

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.2	13.8
54	8.4	7.2	10.8
68	7.3	5.8	8.8

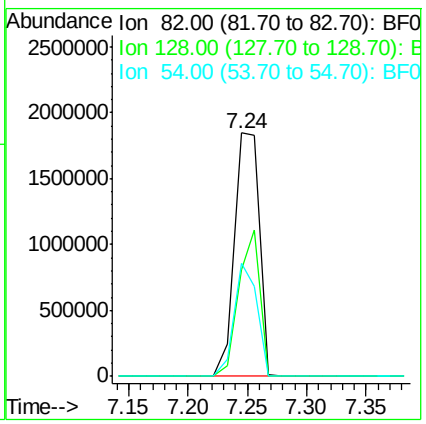




#23
Nitrobenzene-d5
Concen: 84.10 ng
RT: 7.24 min Scan# 495
Delta R.T. -0.01 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion: 82 Resp: 2703796

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.4	51.6
54	46.6	40.3	60.5



Instrument :
BNA_F
ClientSampleId :
A-2(0-8)

Manual Integrations APPROVED
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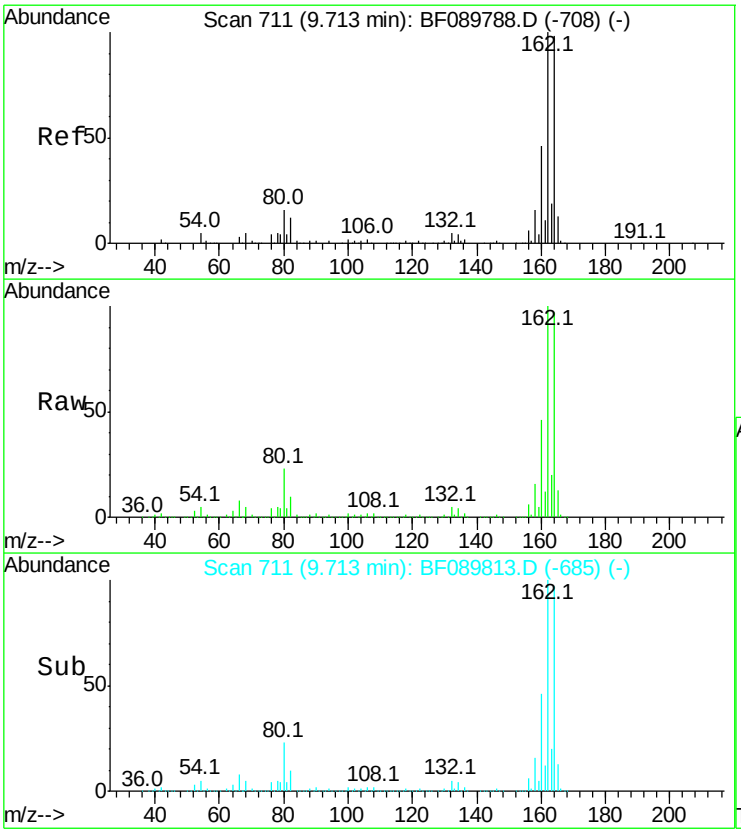
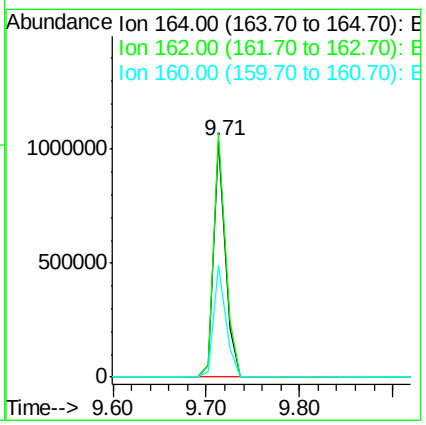
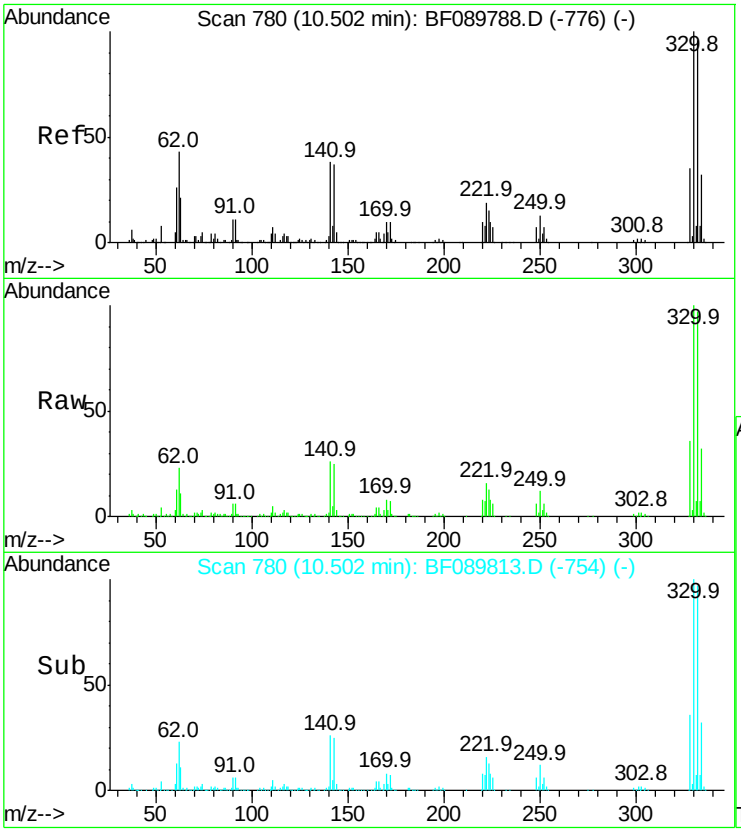


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 711
Delta R.T. 0.00 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:164 Resp: 897792

Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.4	122.2
160	47.6	37.8	56.6

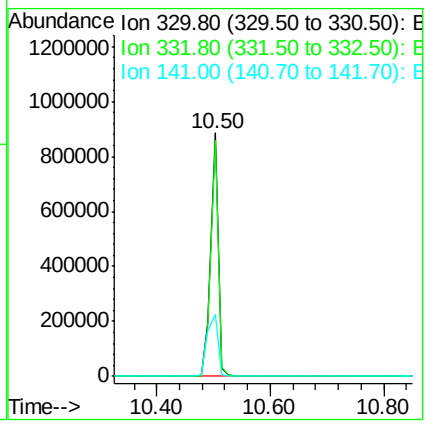




#41
2,4,6-Tribromophenol
Concen: 91.25 ng
RT: 10.50 min Scan# 780
Delta R.T. 0.00 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:330 Resp: 778571

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.7	115.1
141	35.9	30.2	45.2



Instrument :
BNA_F
ClientSampleId :
A-2(0-8)

Manual Integrations APPROVED
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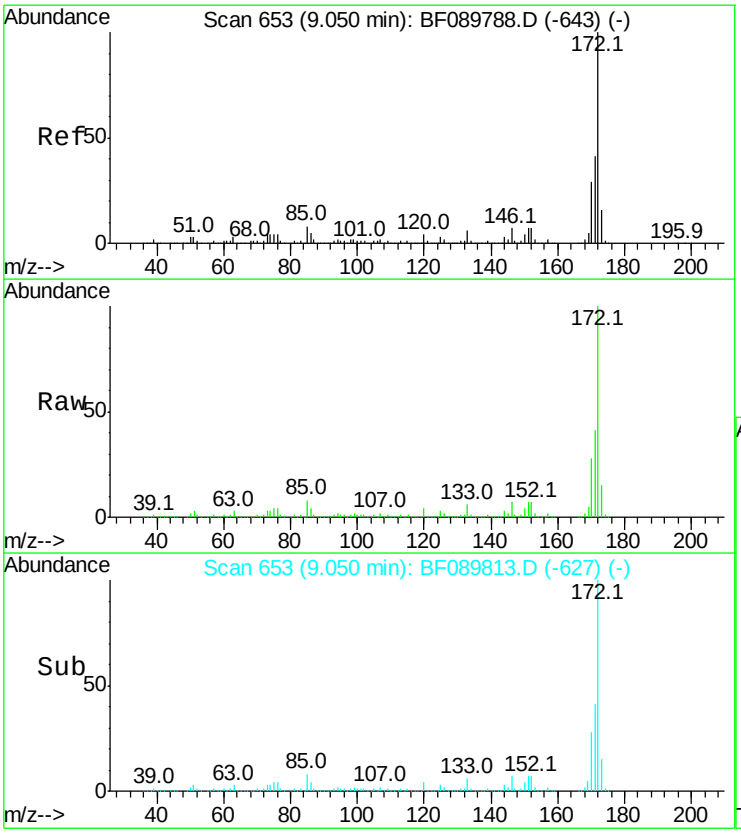
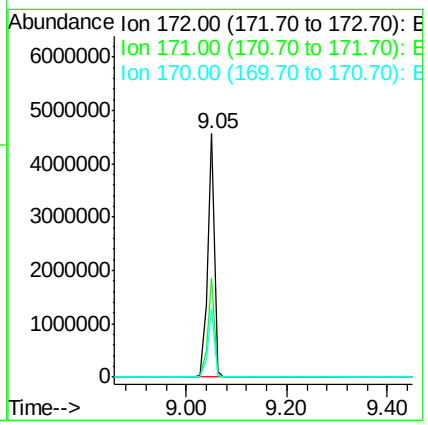
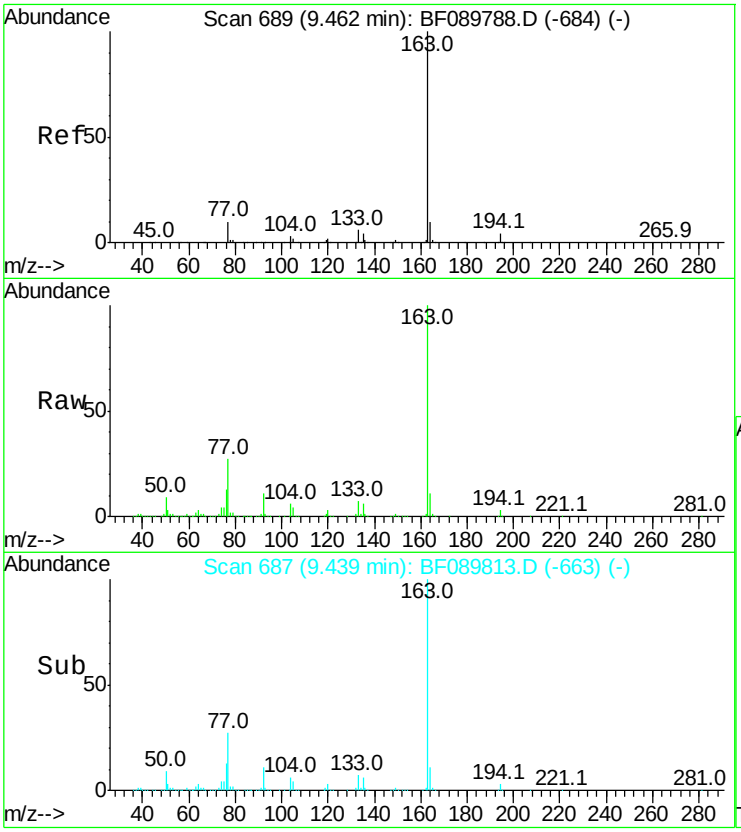


#44
2-Fluorobiphenyl
Concen: 82.00 ng
RT: 9.05 min Scan# 653
Delta R.T. 0.00 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:172 Resp: 4188627

Ion	Ratio	Lower	Upper
172	100		
171	40.6	30.5	45.7
170	28.1	20.6	31.0

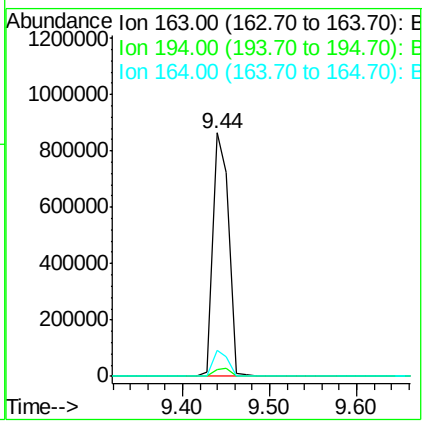




#49
Dimethylphthalate
Concen: 17.65 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:163 Resp: 1115916

Ion	Ratio	Lower	Upper
163	100		
194	2.7	2.6	3.8
164	10.8	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
A-2(0-8)

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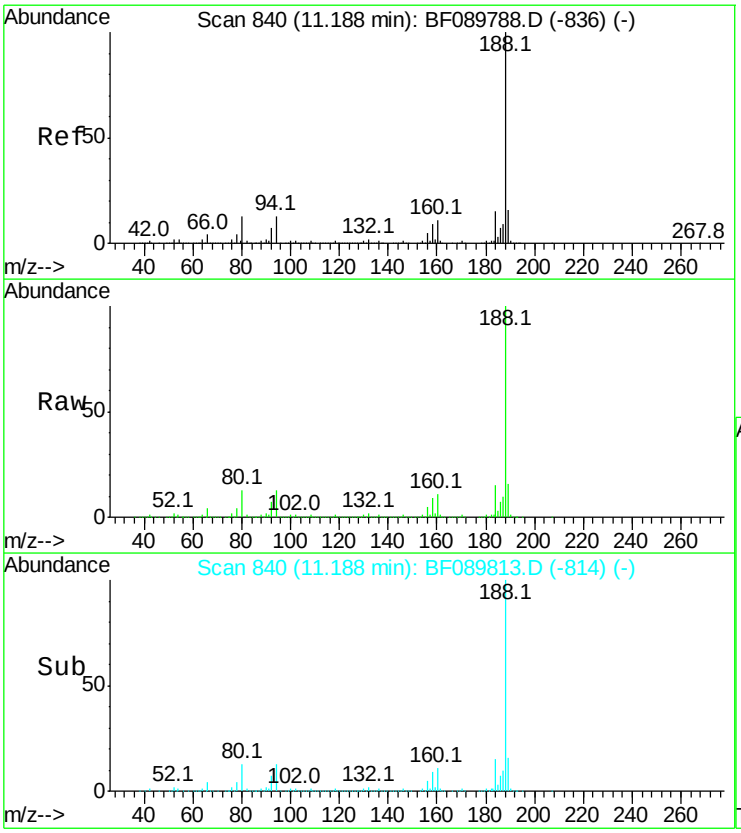
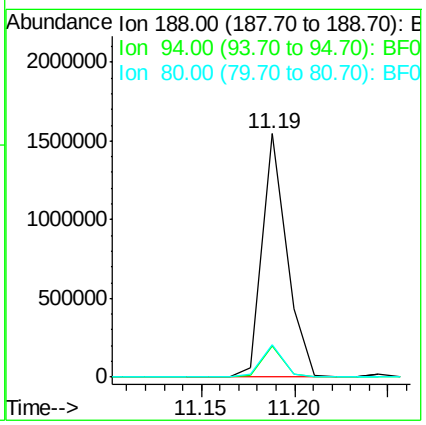
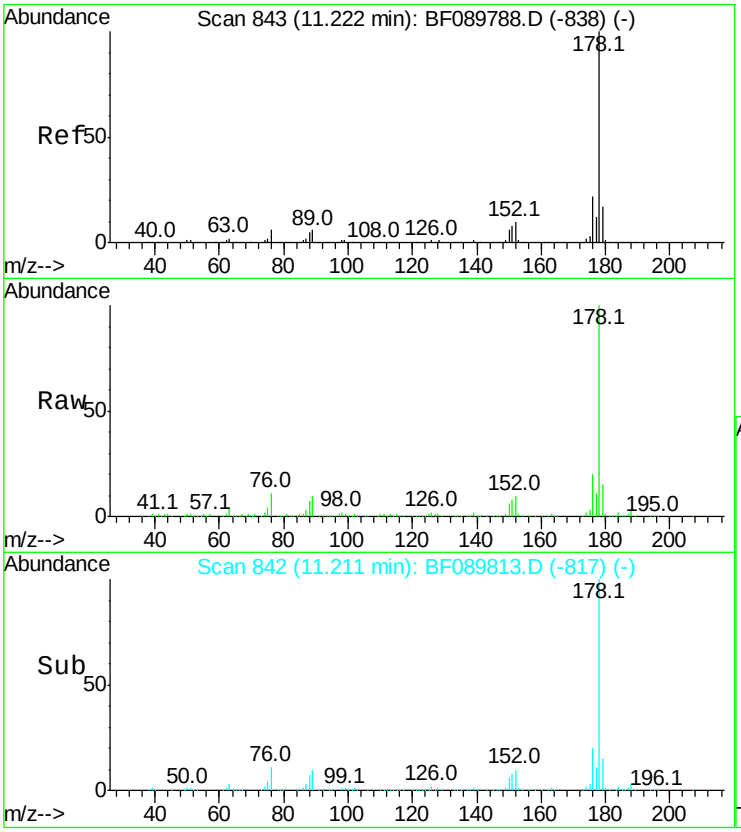


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:188 Resp: 1408358

Ion	Ratio	Lower	Upper
188	100		
94	12.6	10.2	15.2
80	13.1	10.9	16.3

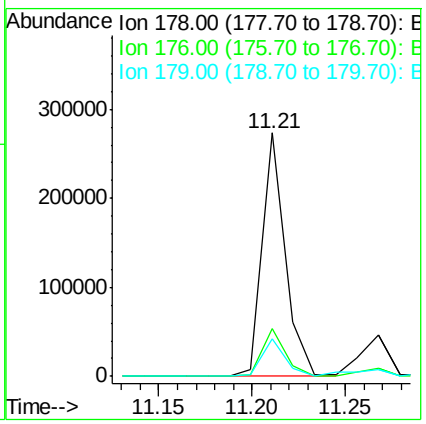




#70
Phenanthrene
Concen: 3.35 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:178 Resp: 238154

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.4	24.6
179	15.4	12.5	18.7



Instrument :
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ClientSampleId :
A-2(0-8)

Manual Integrations APPROVED
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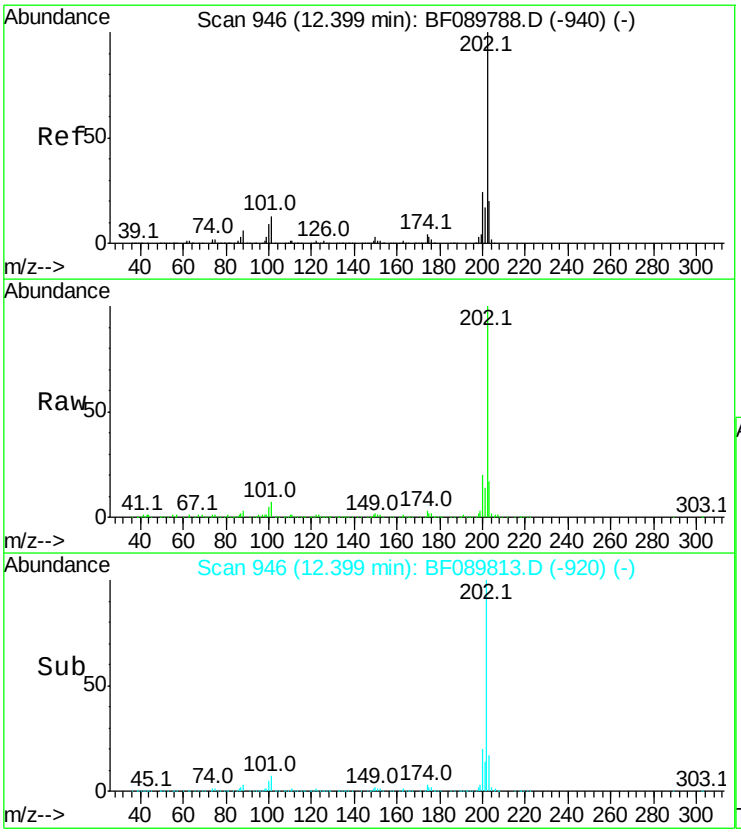
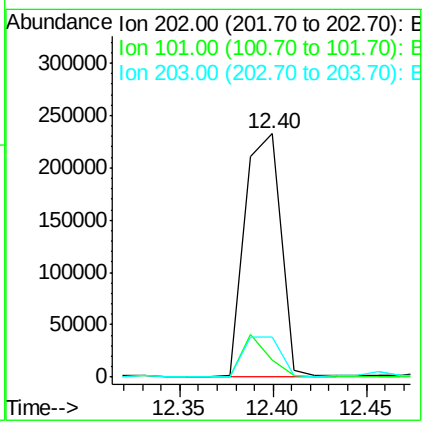
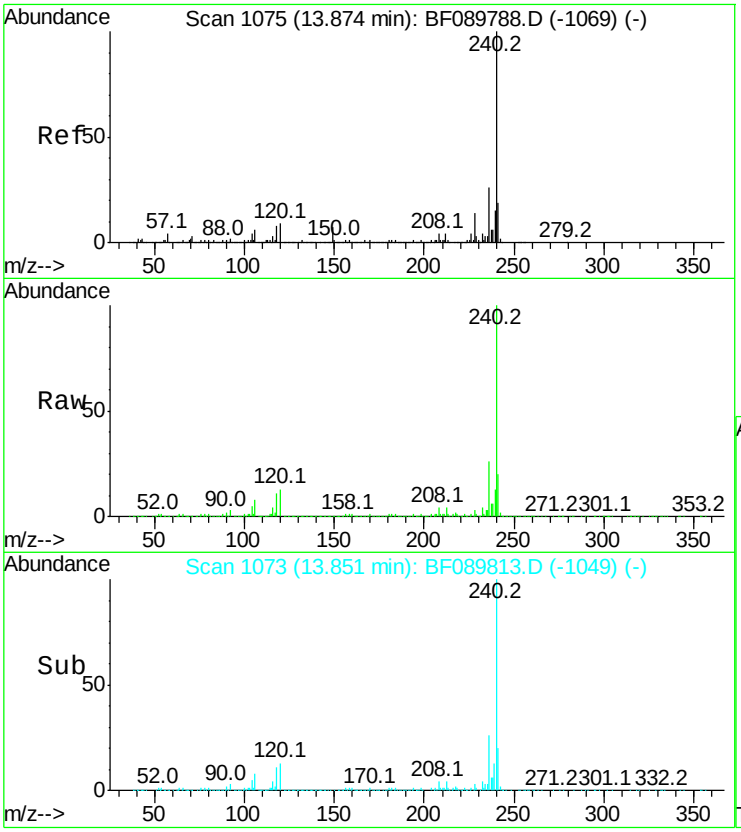


#74
Fluoranthene
Concen: 4.59 ng
RT: 12.40 min Scan# 946
Delta R.T. 0.00 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:202 Resp: 310340

Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	31.2
203	16.6	0.0	38.1

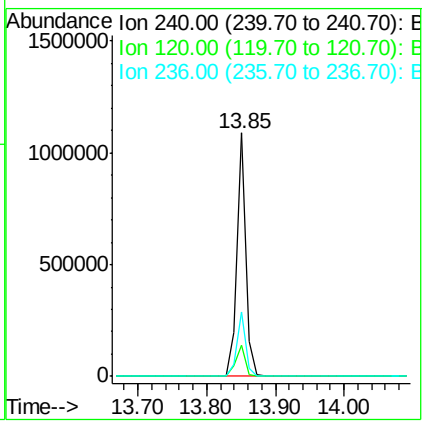




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.85 min Scan# 1073
Delta R.T. -0.02 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:240 Resp: 1009373

Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.3	12.5#
236	26.2	21.3	31.9



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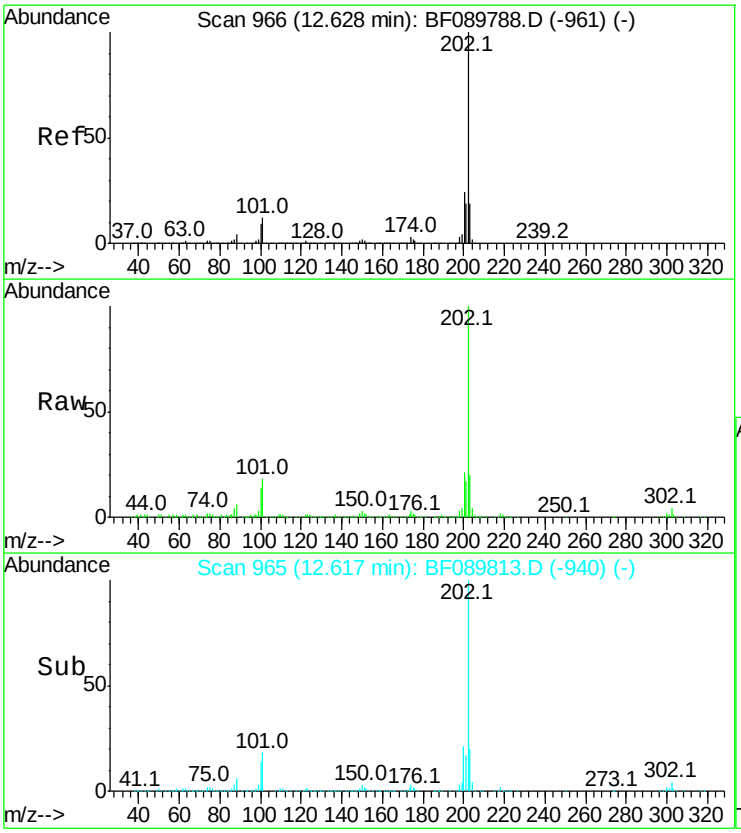
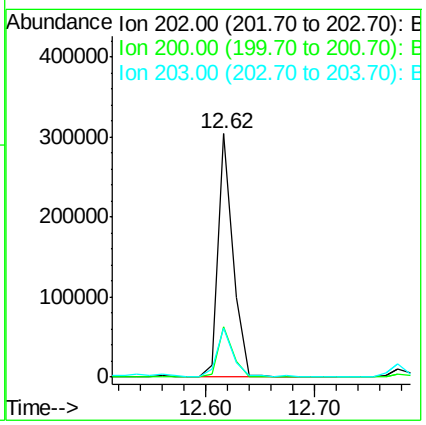
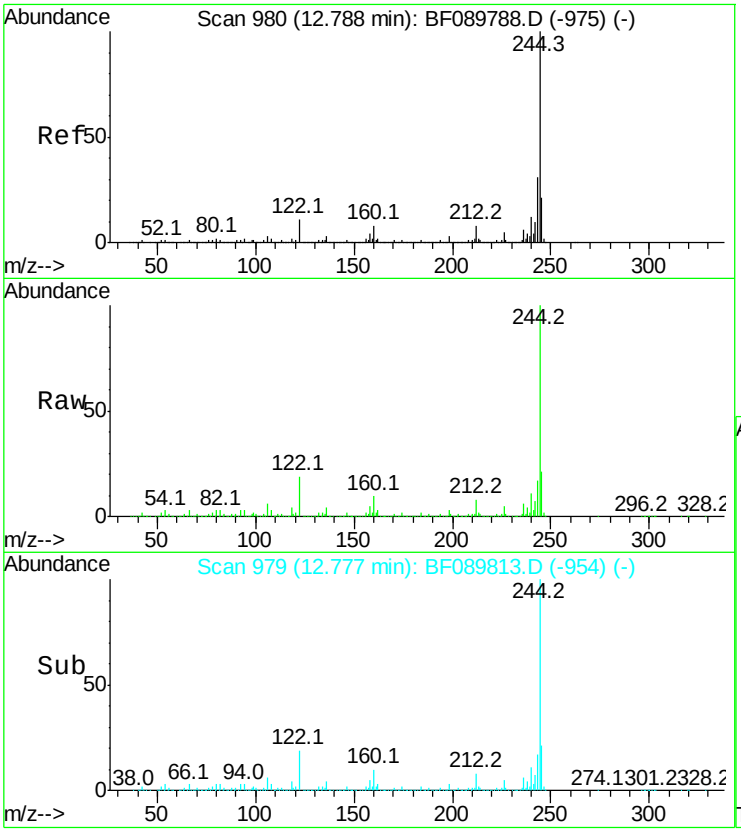


#77
Pyrene
Concen: 3.54 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:202 Resp: 290954

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.8	26.6
203	20.0	14.2	21.4

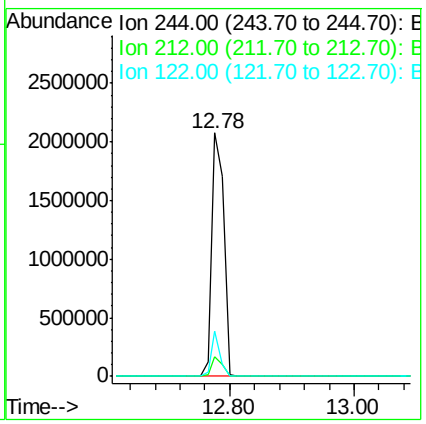




#78
Terphenyl-d14
Concen: 60.74 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:244 Resp: 2710184

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.3	9.5
122	18.6	12.0	18.0#



Instrument :
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ClientSampleId :
A-2(0-8)

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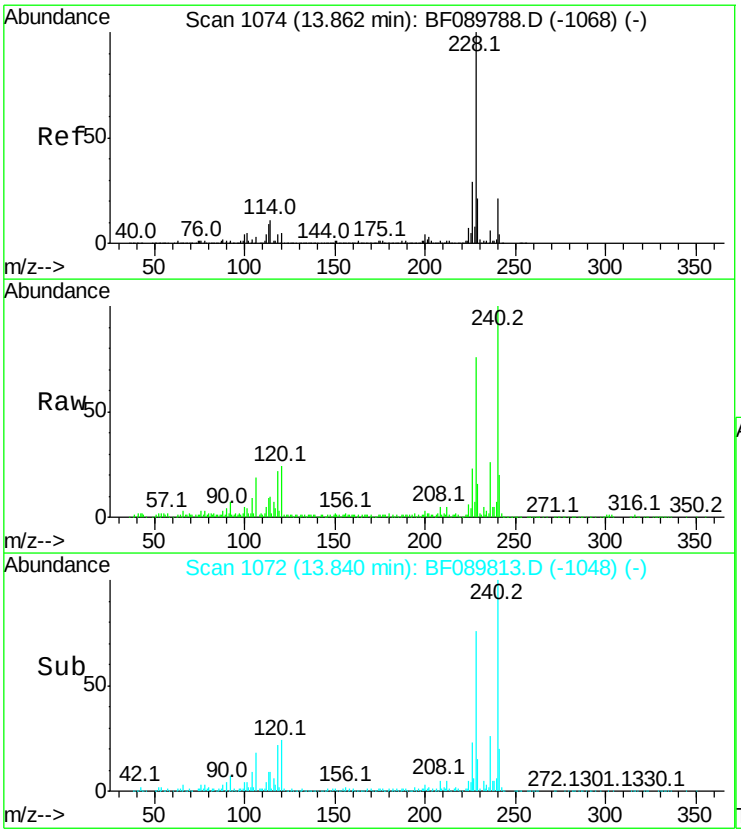
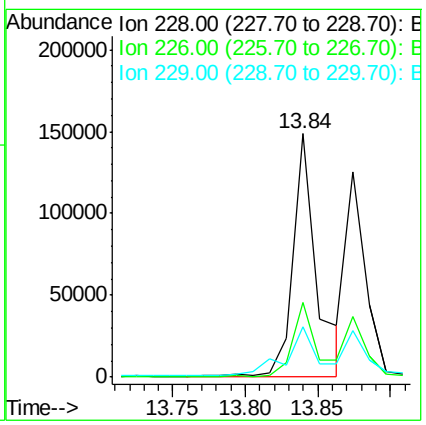
8/22/2016 3:48:30 PM

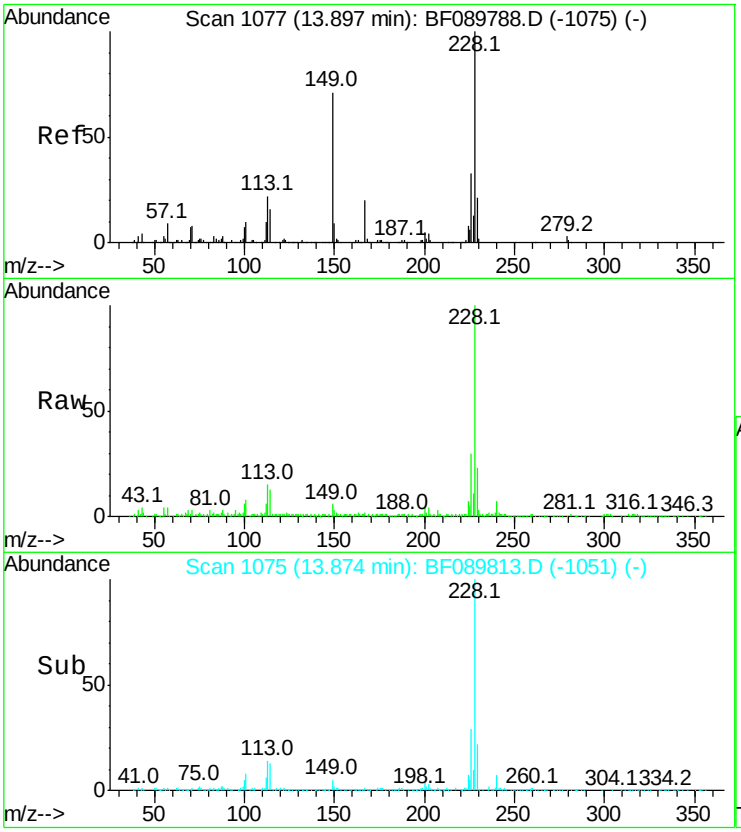


#80
Benzo(a)anthracene
Concen: 2.88 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.02 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:228 Resp: 166304

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.2	34.8
229	20.5	16.2	24.4

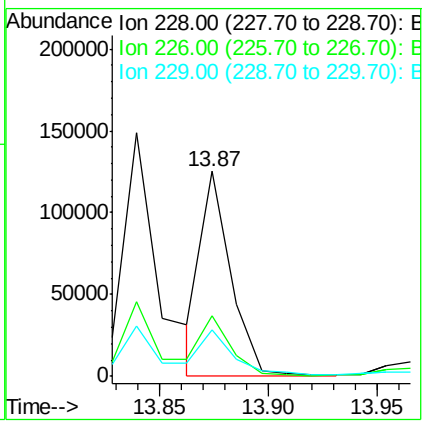




#82
Chrysene
Concen: 2.40 ng
RT: 13.87 min Scan# 1075
Delta R.T. -0.02 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:228 Resp: 118880

Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.0
229	22.8	16.5	24.7



Instrument :
BNA_F
ClientSampleId :
A-2(0-8)

Manual Integrations APPROVED
sohil
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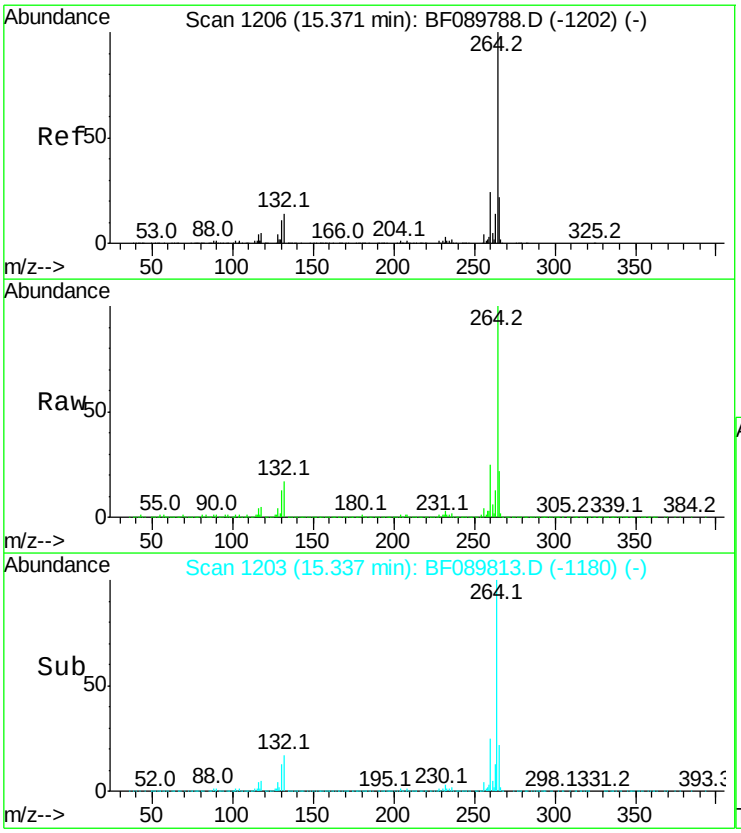
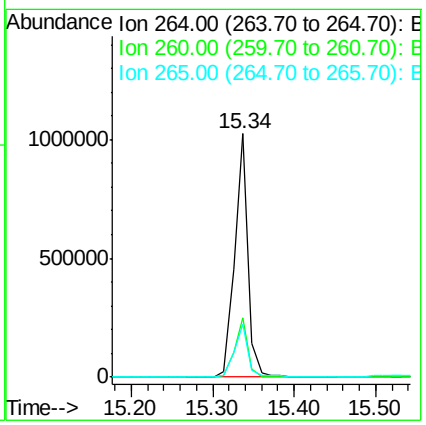
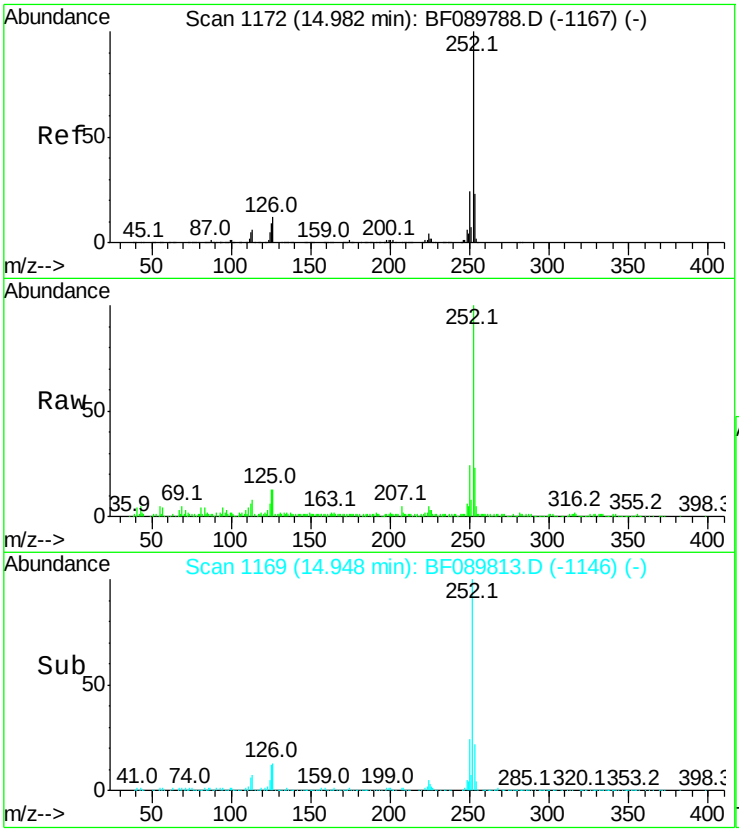


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 1203
Delta R.T. -0.03 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:264 Resp: 1153229

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.2	30.2
265	21.9	17.4	26.2

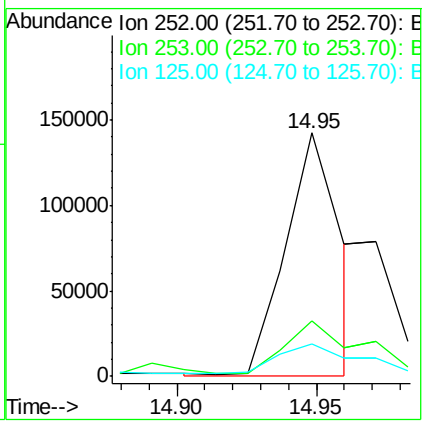




#87
Benzo(b)fluoranthene
Concen: 3.07 ng m
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF089813.D
Acq: 19 Aug 2016 23:06

Tgt Ion:252 Resp: 194728

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	13.4	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
A-2(0-8)

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sohil
8/22/2016 3:48:30 PM