Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088455.D
Acq On : 1 Nov 2014 17:35
Operator : TP/JJ
Sample : F4379-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SS35-1014

Manual Integrations APPROVED
mohammad
11/4/2014 9:07:29 AM

Quant Time: Nov 02 04:38:38 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 01 00:42:07 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.08	152	31084	5.00	ng		0.00
3) Naphthalene-d8	8.64	136	111883	5.00	ng		0.00
7) Acenaphthene-d10	10.79	164	51880	5.00	ng		0.00
12) Phenanthrene-d10	12.89	188	99397	5.00	ng		0.00
16) Chrysene-d12	18.30	240	61947	5.00	ng		-0.01
22) Perylene-d12	21.36	264	60030	5.00	ng		-0.01
System Monitoring Compounds							
4) Nitrobenzene-d5	7.78	82	408520	49.79	ng		0.00
8) 2-Fluorobiphenyl	9.98	172	513578	35.12	ng		0.00
18) Terphenyl-d14	16.08	244	400916	35.23	ng		0.00
Target Compounds							Qvalue
13) Phenanthrene	12.93	178	4222	0.05	ng	#	60
15) Fluoranthene	15.16	202	925	0.06	ng		98
17) Pyrene	15.62	202	893m	0.04	ng		
19) Benzo(a)anthracene	18.28	228	2600	0.04	ng	#	81
20) Chrysene	18.35	228	3399	0.06	ng	#	85
21) Indeno(1,2,3-cd)pyrene	23.52	276	2673m	0.05	ng		
23) Benzo(b)fluoranthene	20.60	252	1197	0.09	ng	#	71
25) Benzo(a)pyrene	21.24	252	639	0.05	ng	#	65
27) Benzo(g,h,i)perylene	24.15	276	3216	0.06	ng	#	70

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

Quantitation Report (QT Reviewed)

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BNA_E
ClientSampleId :
YS19-SS35-1014

Manual Integrations APPROVED
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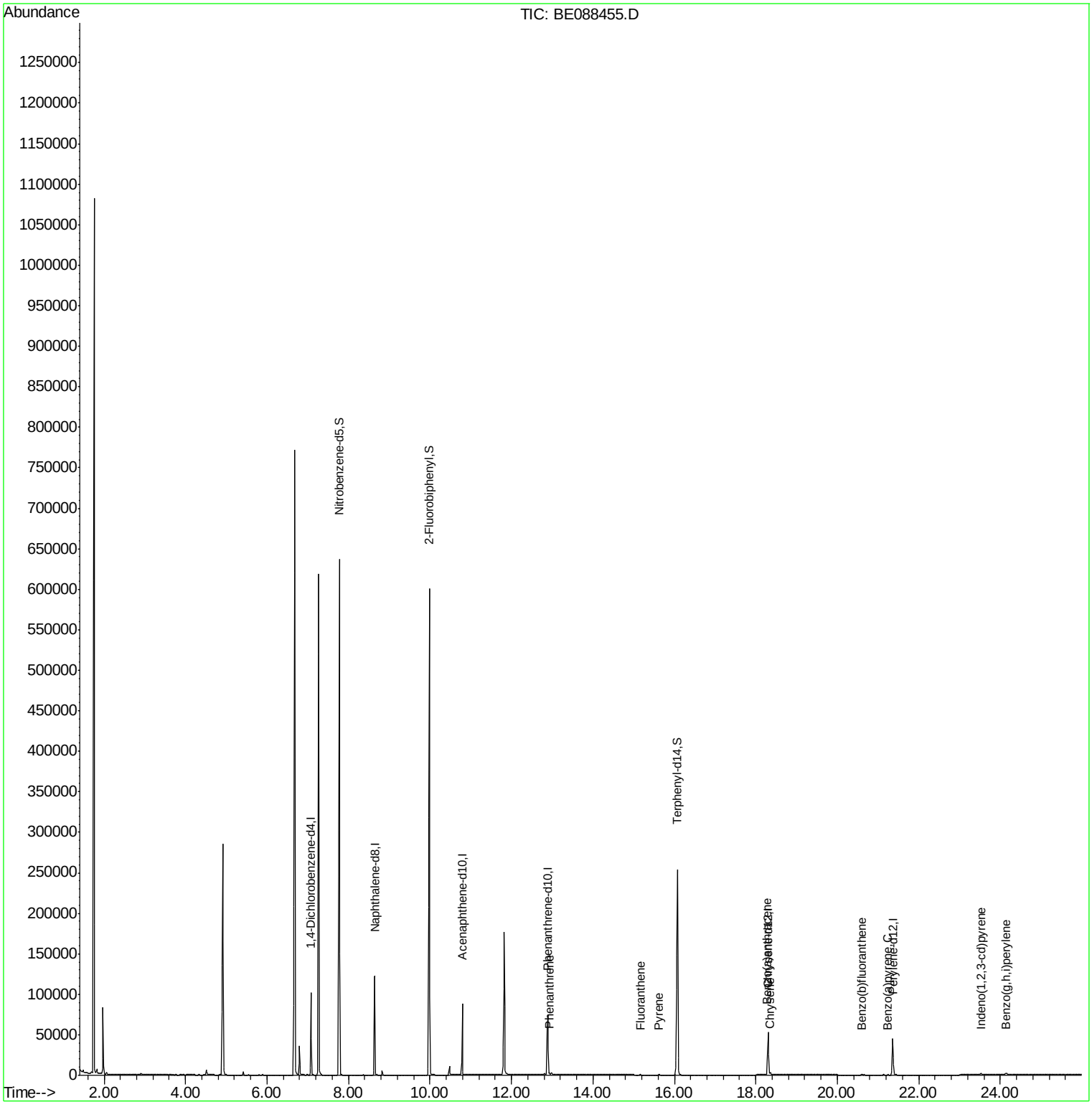
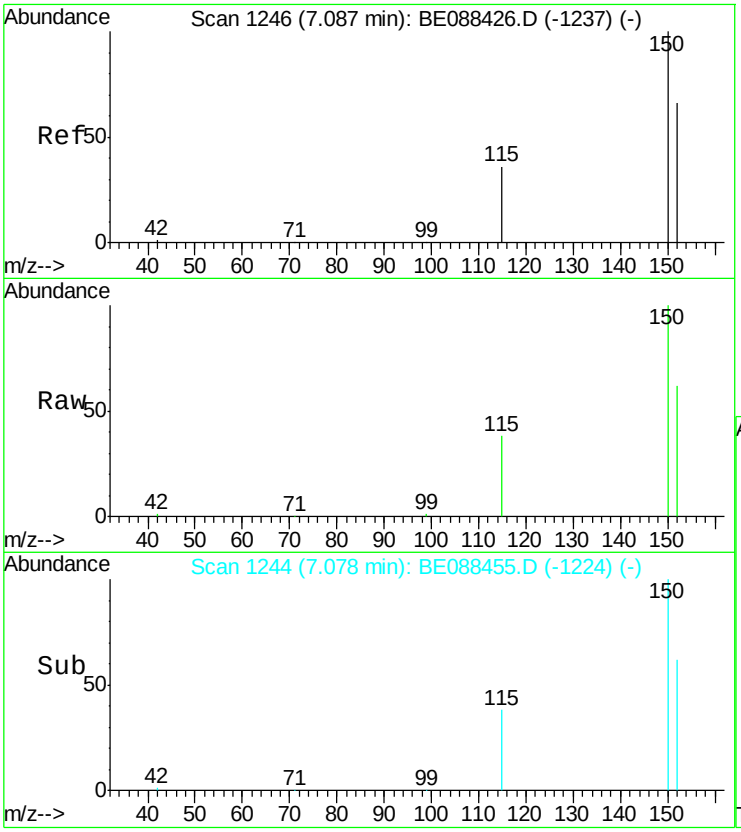
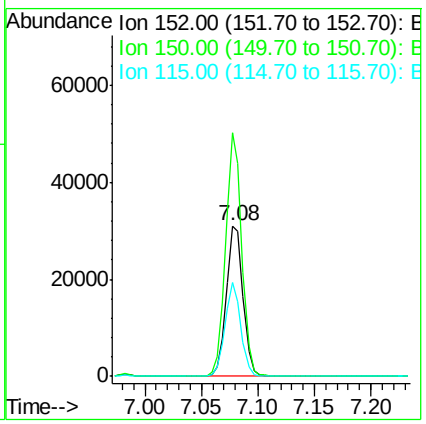




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.08 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:152 Resp: 31084

Ion	Ratio	Lower	Upper
152	100		
150	161.5	121.8	182.8
115	62.1	43.9	65.9



Instrument :
BNA_E
ClientSampleId :
YS19-SS35-1014

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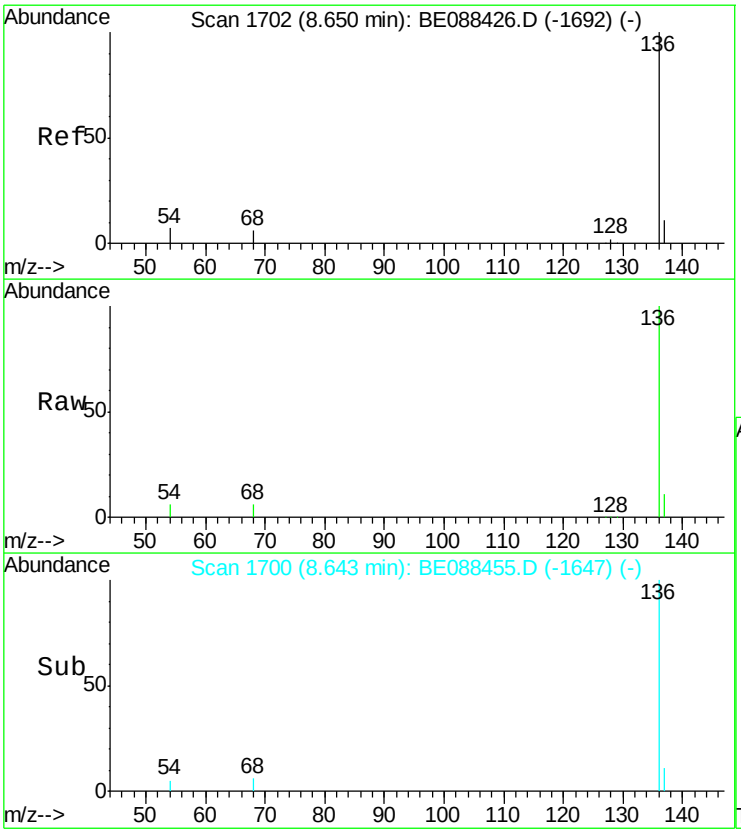
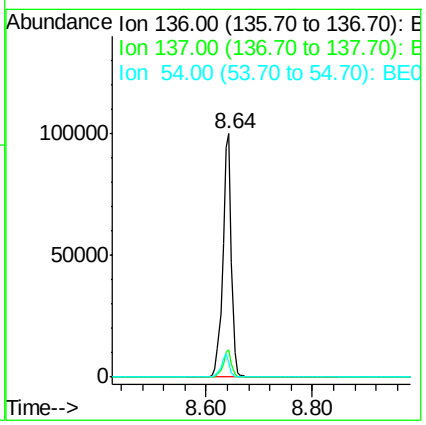
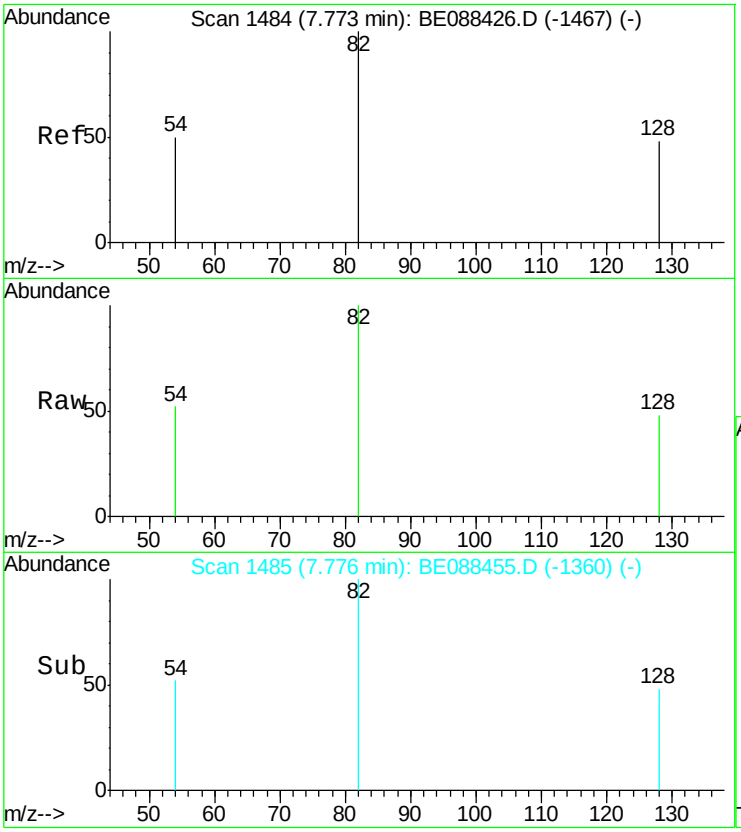


#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.64 min Scan# 1700
Delta R.T. -0.01 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:136 Resp: 111883

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	5.7	5.3	7.9

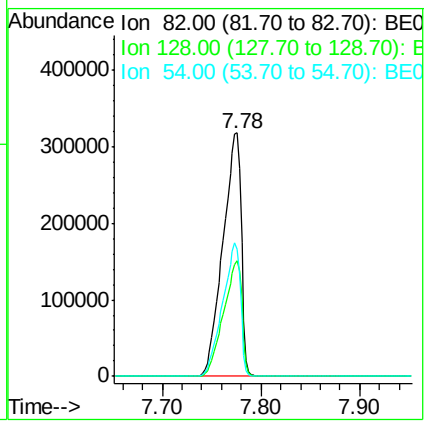




#4
Nitrobenzene-d5
Concen: 49.79 ng
RT: 7.78 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion: 82 Resp: 408520

Ion	Ratio	Lower	Upper
82	100		
128	47.6	38.4	57.6
54	52.4	40.2	60.2



Instrument :
BNA_E
ClientSampleId :
YS19-SS35-1014

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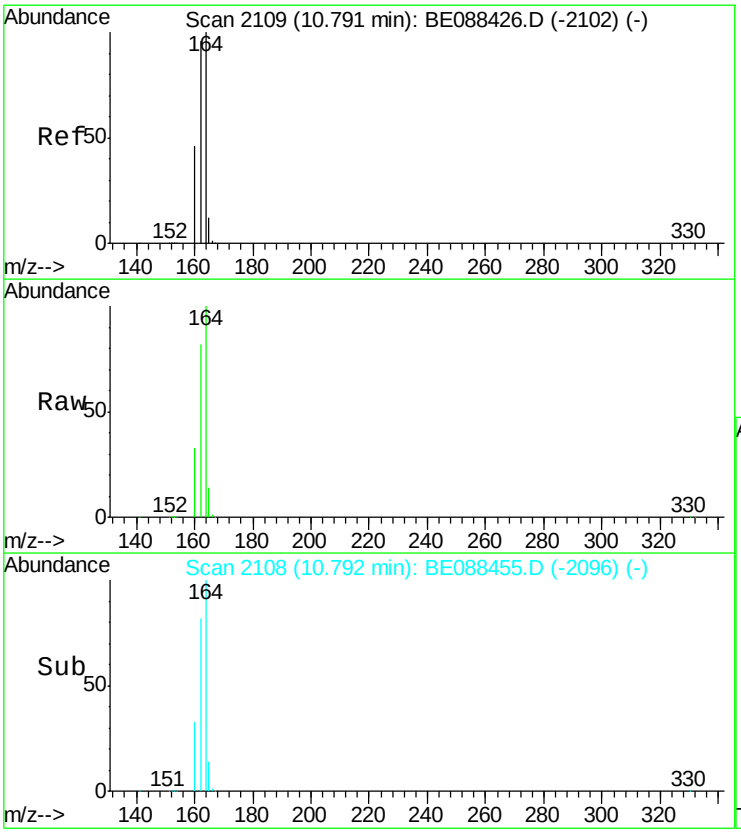
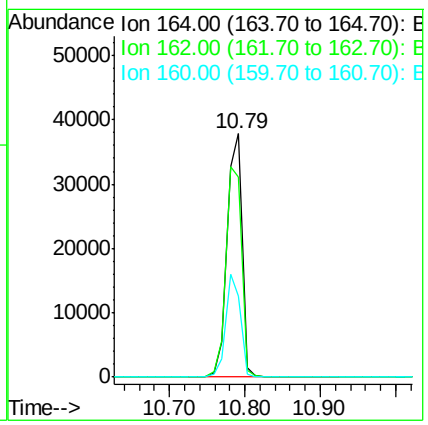
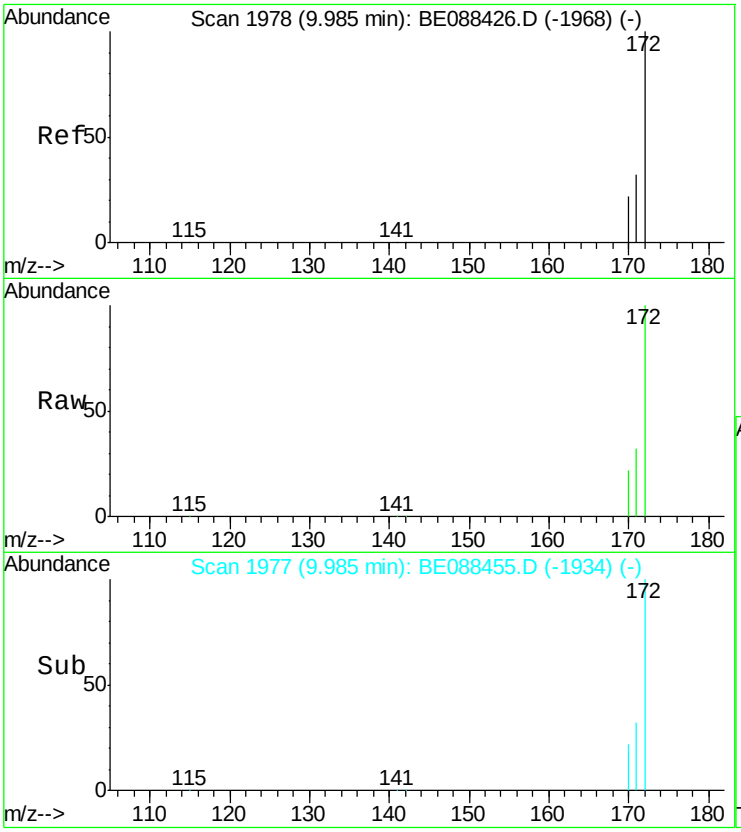


#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.79 min Scan# 2108
Delta R.T. 0.00 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:164 Resp: 51880

Ion	Ratio	Lower	Upper
164	100		
162	82.0	77.0	115.4
160	33.3	36.8	55.2#

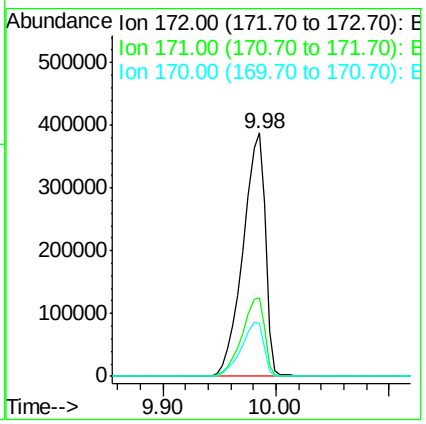




#8
2-Fluorobiphenyl
Concen: 35.12 ng
RT: 9.98 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:172 Resp: 513578

Ion	Ratio	Lower	Upper
172	100		
171	32.5	26.0	39.0
170	21.8	17.6	26.4



Instrument :
BNA_E
ClientSampleId :
YS19-SS35-1014

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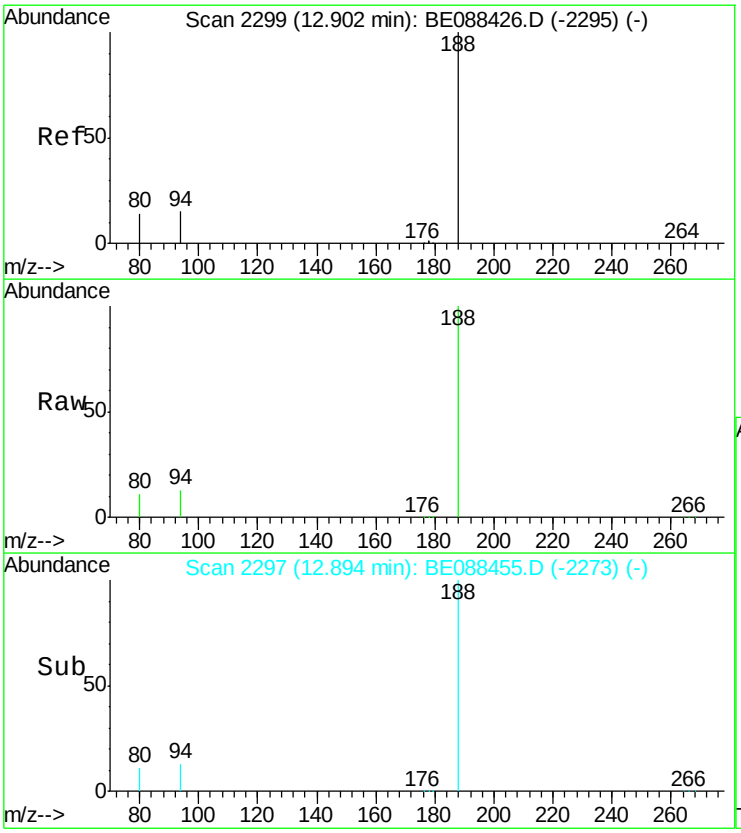
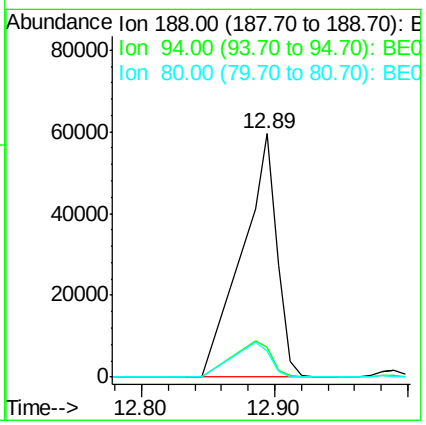
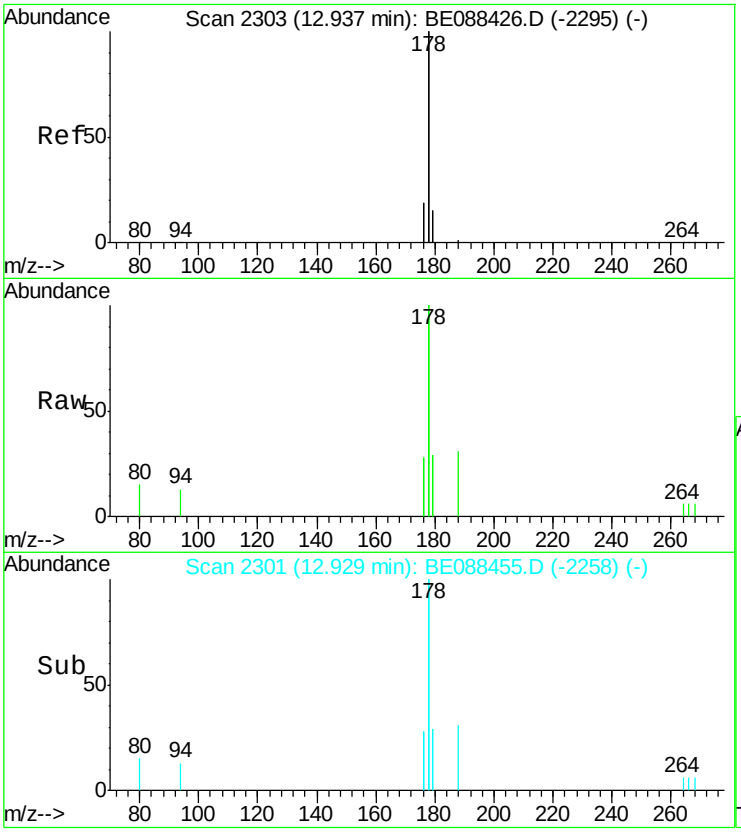


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.89 min Scan# 2297
Delta R.T. -0.01 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:188 Resp: 99397

Ion	Ratio	Lower	Upper
188	100		
94	12.5	11.8	17.8
80	10.9	10.9	16.3

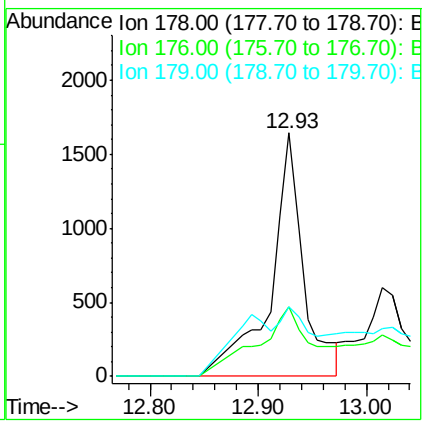




#13
Phenanthrene
Concen: 0.05 ng
RT: 12.93 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:178 Resp: 4222

Ion	Ratio	Lower	Upper
178	100		
176	46.9	15.4	23.2#
179	9.7	12.8	19.2#



Instrument :
BNA_E
ClientSampleId :
YS19-SS35-1014

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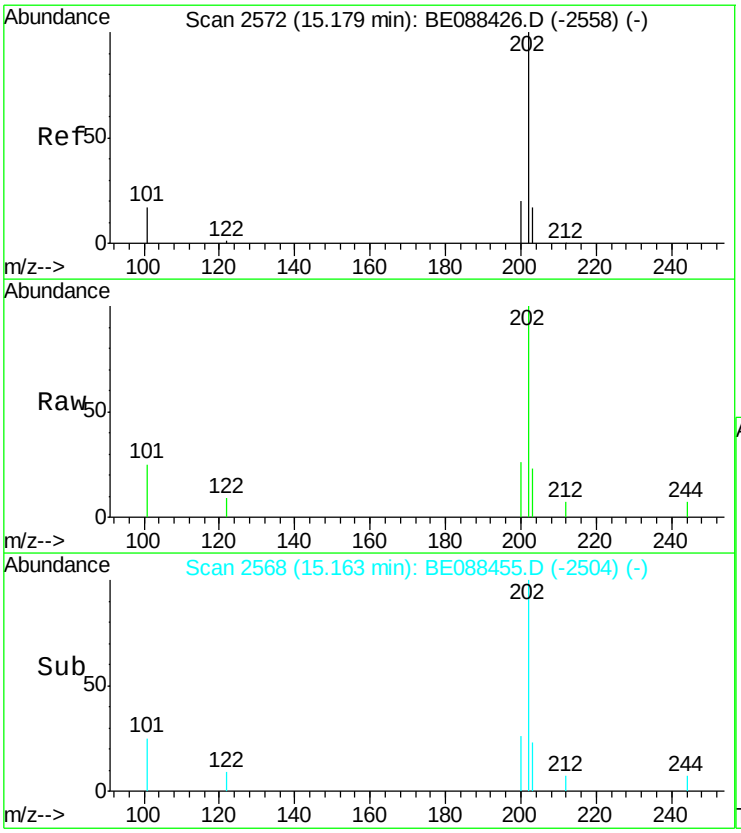
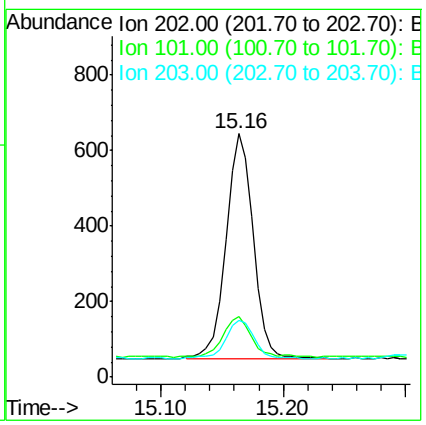
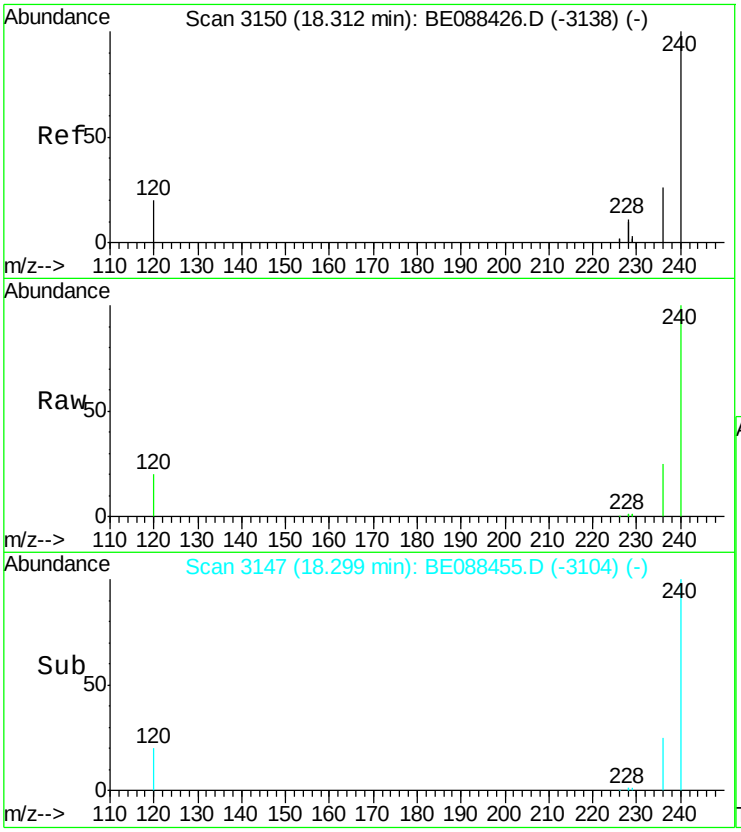


#15
Fluoranthene
Concen: 0.06 ng
RT: 15.16 min Scan# 2568
Delta R.T. -0.02 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:202 Resp: 925

Ion	Ratio	Lower	Upper
202	100		
101	19.0	14.3	21.5
203	17.5	13.6	20.4





#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.30 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:240 Resp: 61947

Ion	Ratio	Lower	Upper
240	100		
120	19.7	16.4	24.6
236	25.2	20.5	30.7

Instrument :
BNA_E
ClientSampleId :
YS19-SS35-1014

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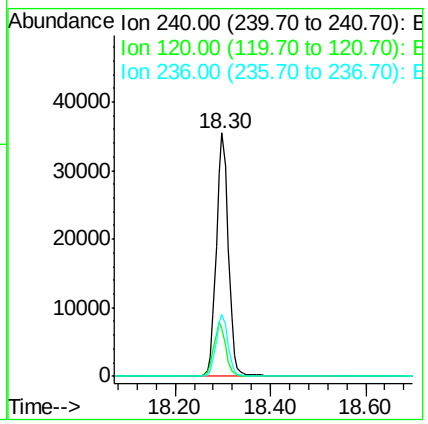
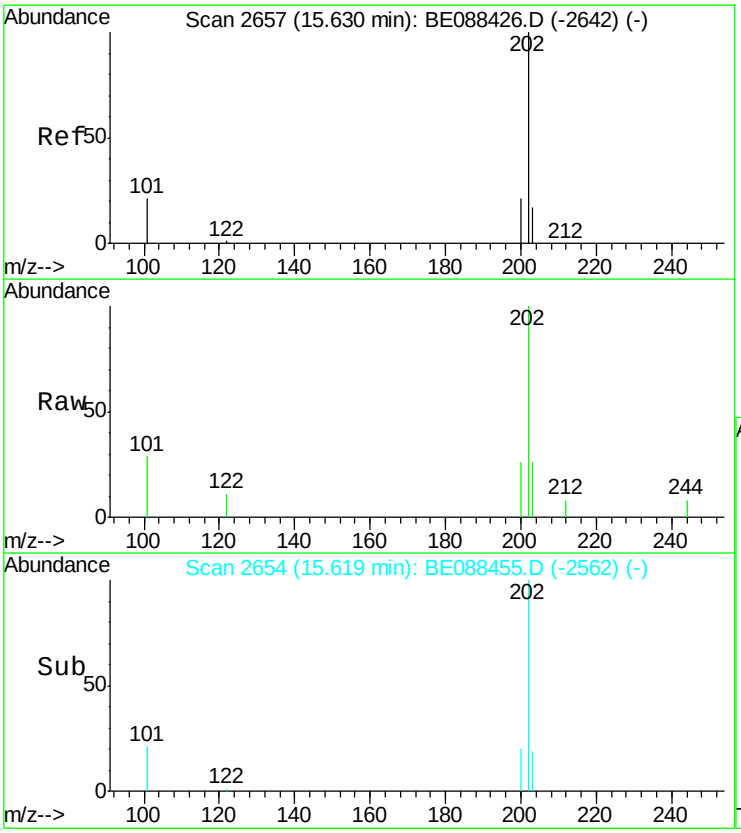
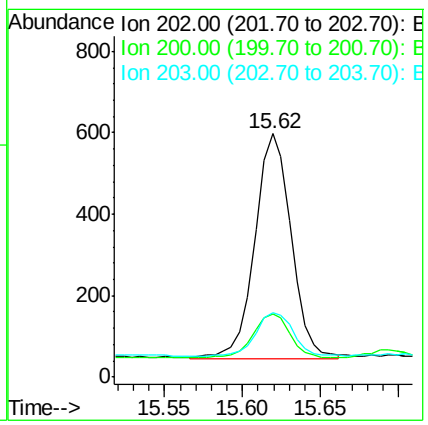


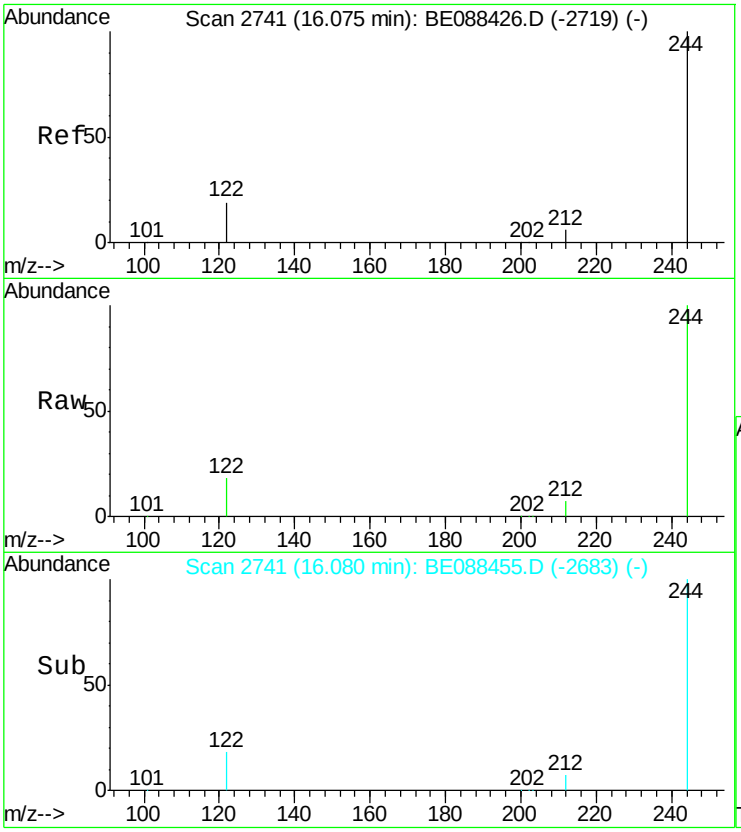


#17
Pyrene
Concen: 0.04 ng m
RT: 15.62 min Scan# 2654
Delta R.T. -0.01 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:202 Resp: 893

Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.1	24.1
203	18.4	13.8	20.8





#18
Terphenyl-d14
Concen: 35.23 ng
RT: 16.08 min Scan# 2741
Delta R.T. 0.01 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:244 Resp: 400916

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	18.3	15.6	23.4

Instrument :
BNA_E
ClientSampleId :
YS19-SS35-1014

Manual Integrations APPROVED
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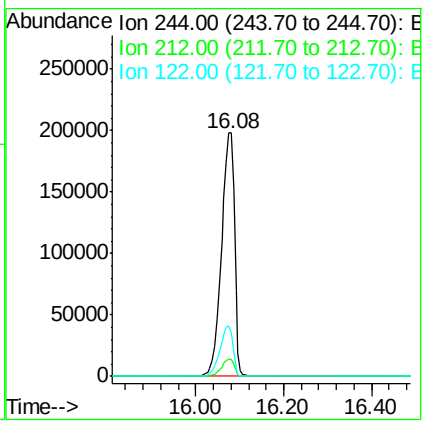
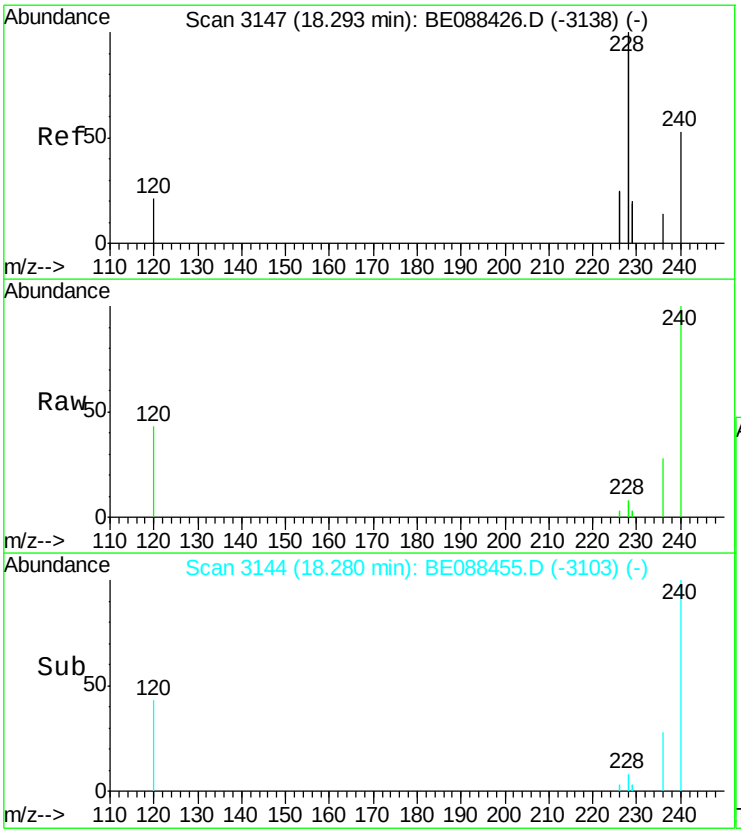
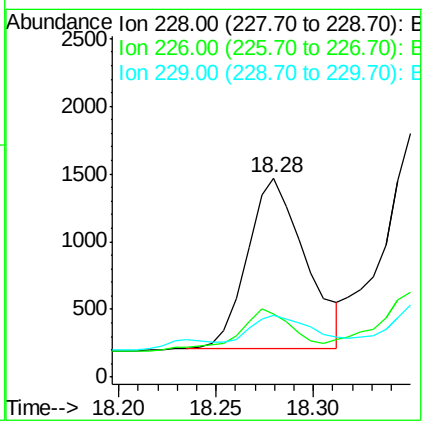


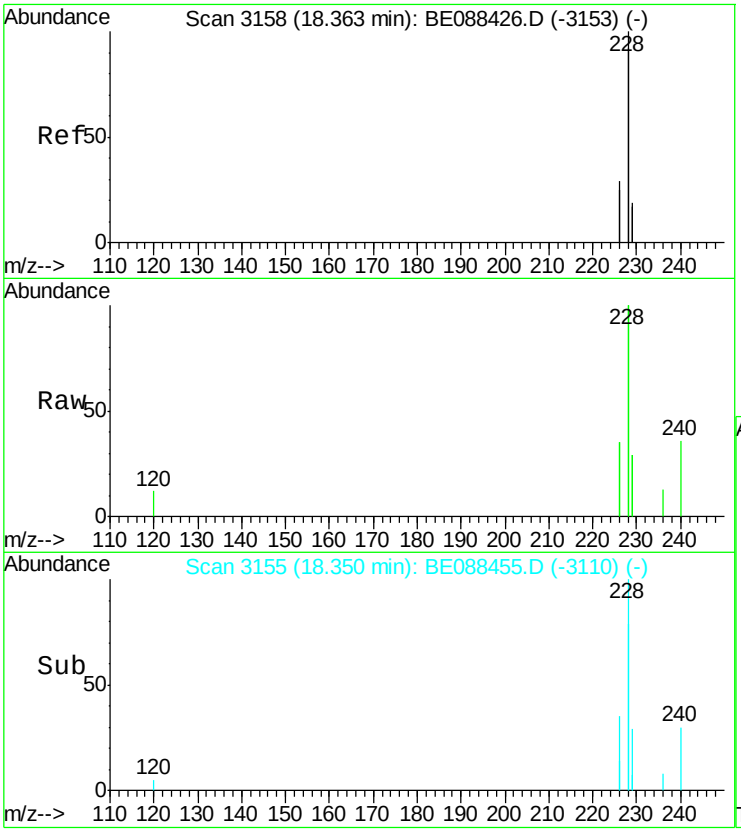


#19
Benzo(a)anthracene
Concen: 0.04 ng
RT: 18.28 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:228 Resp: 2600

Ion	Ratio	Lower	Upper
228	100		
226	32.0	19.8	29.6#
229	31.2	16.0	24.0#





#20
Chrysene
Concen: 0.06 ng
RT: 18.35 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:228 Resp: 3399

Ion	Ratio	Lower	Upper
228	100		
226	35.0	23.6	35.4
229	29.5	15.4	23.2#

Instrument :
BNA_E
ClientSampleId :
YS19-SS35-1014

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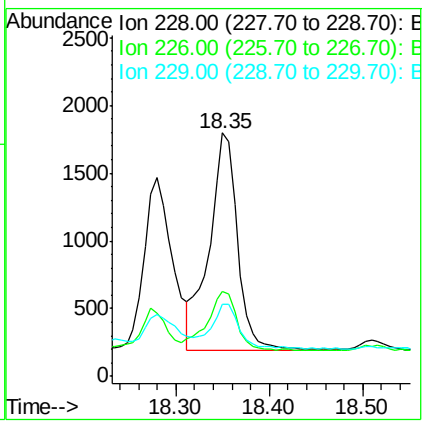
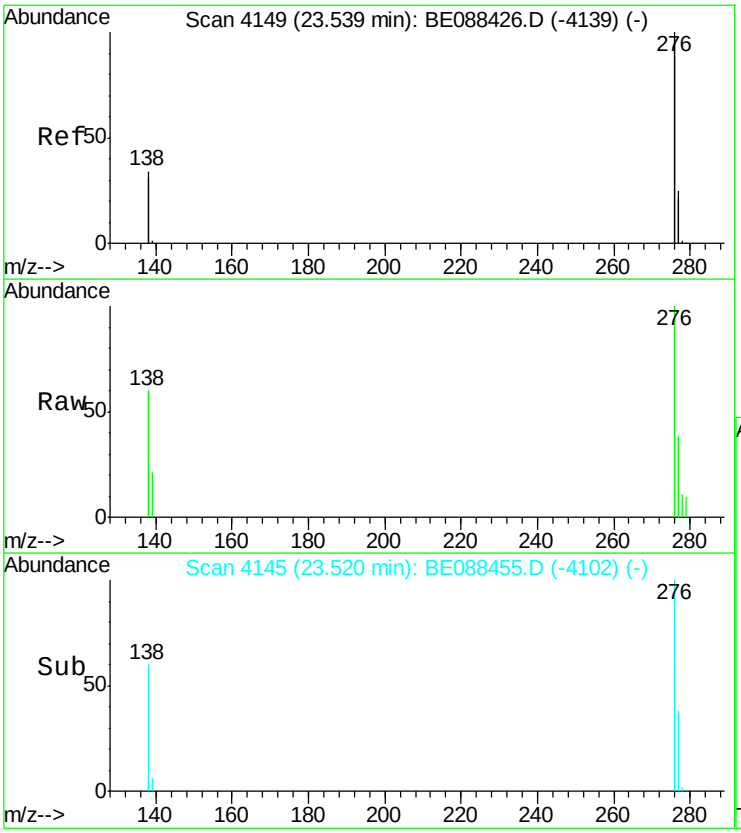
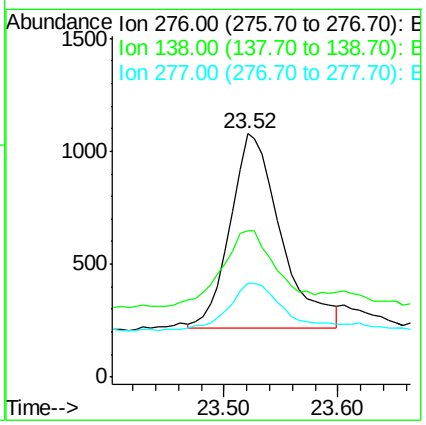


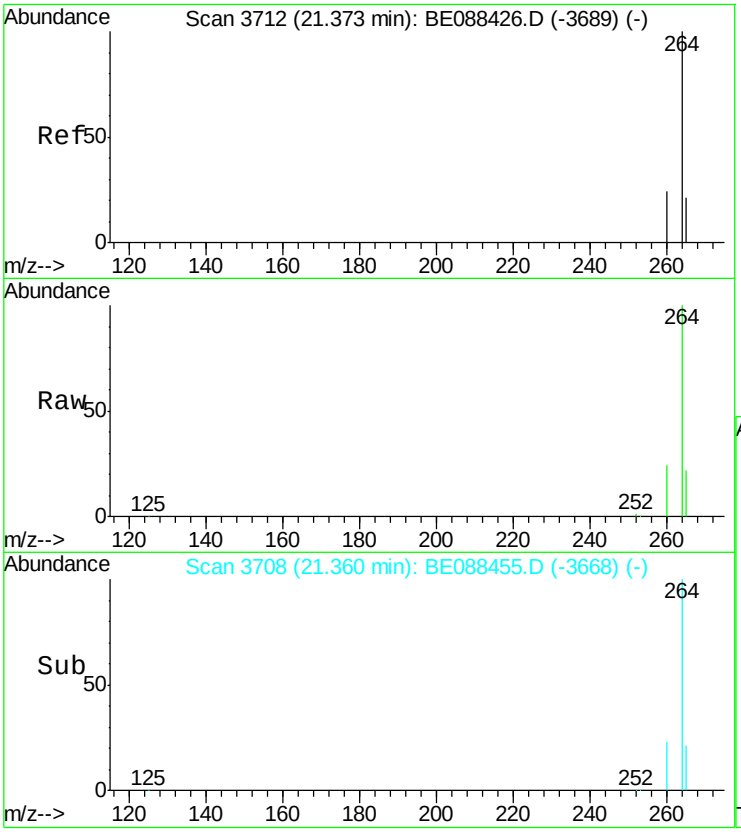


#21
Indeno(1,2,3-cd)pyrene
Concen: 0.05 ng m
RT: 23.52 min Scan# 4145
Delta R.T. -0.02 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:276 Resp: 2673

Ion	Ratio	Lower	Upper
276	100		
138	4.3	20.2	30.2#
277	4.5	14.8	22.2#

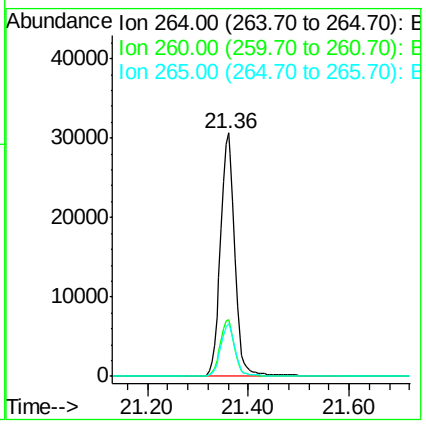




#22
Perylene-d12
Concen: 5.00 ng
RT: 21.36 min Scan# 3708
Delta R.T. -0.01 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:264 Resp: 60030

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	21.6	17.2	25.8



Instrument :
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ClientSampleId :
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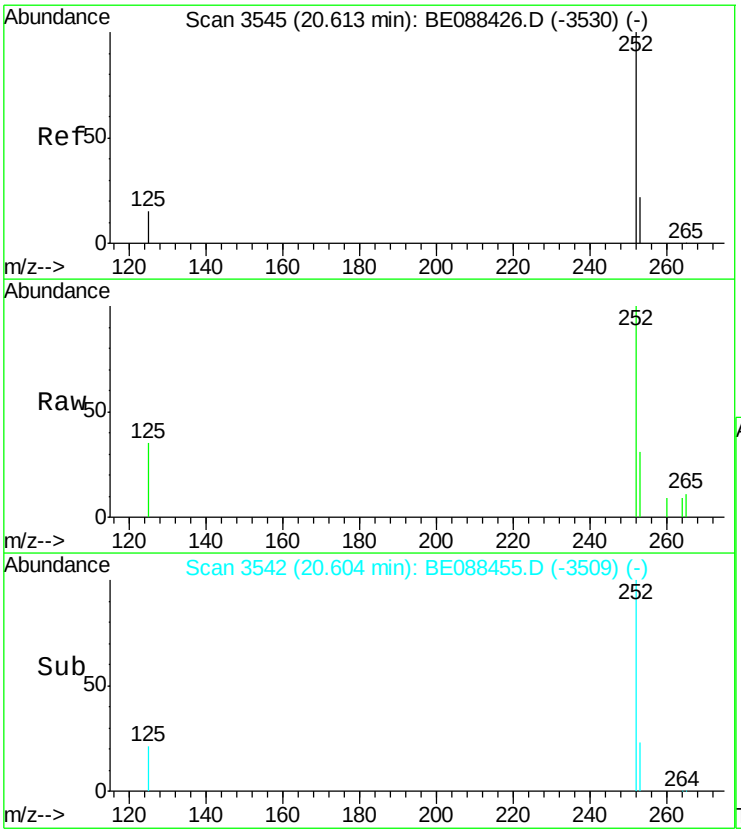
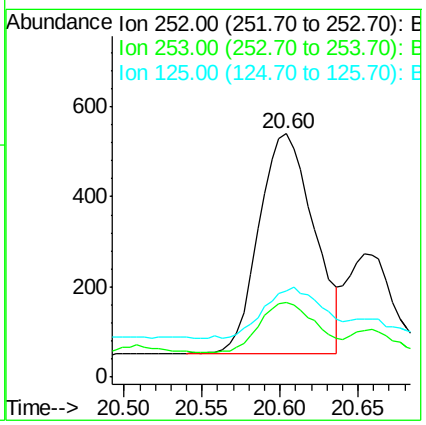
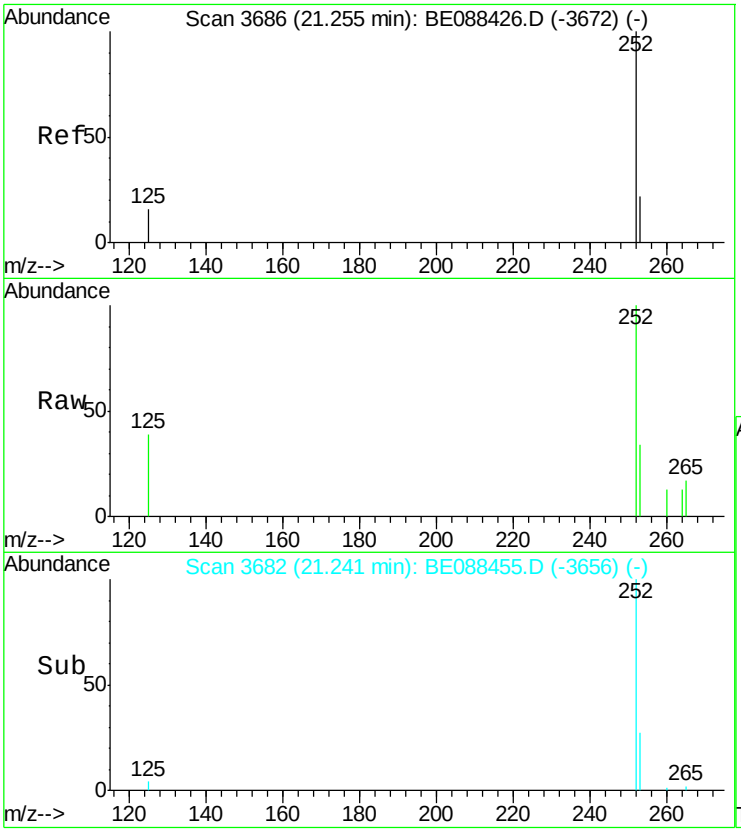


#23
Benzo(b)fluoranthene
Concen: 0.09 ng
RT: 20.60 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:252 Resp: 1197

Ion	Ratio	Lower	Upper
252	100		
253	30.6	17.8	26.8#
125	35.2	12.3	18.5#

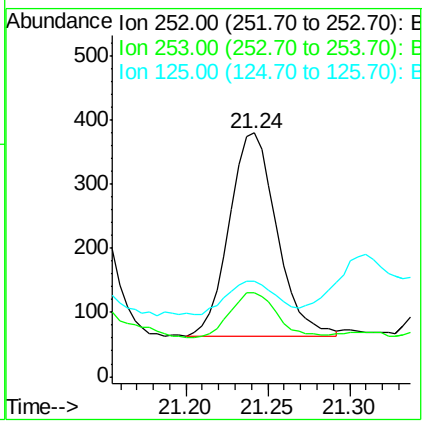




#25
Benzo(a)pyrene
Concen: 0.05 ng
RT: 21.24 min Scan# 3682
Delta R.T. -0.01 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

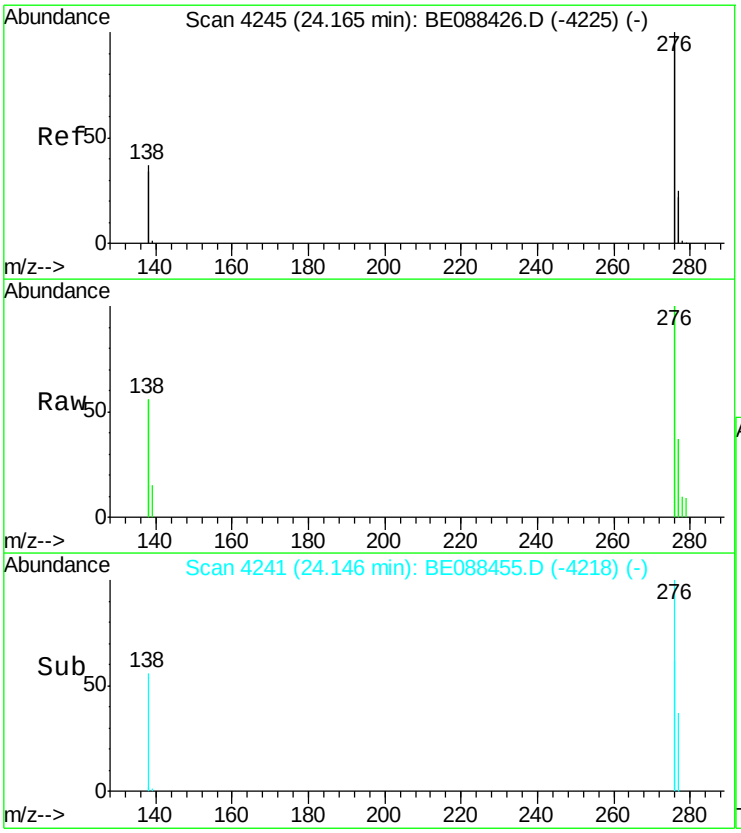
Tgt Ion:252 Resp: 639

Ion	Ratio	Lower	Upper
252	100		
253	34.5	18.2	27.4#
125	38.9	13.7	20.5#



Instrument :
BNA_E
ClientSampleId :
YS19-SS35-1014

Manual Integrations APPROVED
mohammad
11/4/2014 9:07:29 AM



#27
Benzo(g,h,i)perylene
Concen: 0.06 ng
RT: 24.15 min Scan# 4241
Delta R.T. -0.02 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion:276 Resp: 3216

Ion	Ratio	Lower	Upper
276	100		
277	37.3	19.8	29.6#
138	55.8	29.3	43.9#