Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088228.D
Acq On : 25 Oct 2014 2:48
Operator : TP/JJ
Sample : F4407-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : S32-0460

Manual Integrations APPROVED
mohammad
10/28/2014 12:22:48 PM

Quant Time: Oct 27 13:54:48 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 27 13:04:40 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	20560	5.00	ng		0.00
3) Naphthalene-d8	8.67	136	80771	5.00	ng		0.00
7) Acenaphthene-d10	10.82	164	45808	5.00	ng		0.00
12) Phenanthrene-d10	12.93	188	97612	5.00	ng		0.00
16) Chrysene-d12	18.34	240	54208	5.00	ng		0.00
22) Perylene-d12	21.40	264	39985	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.80	82	38136	6.36	ng		0.00
8) 2-Fluorobiphenyl	10.01	172	75164	5.88	ng		0.00
18) Terphenyl-d14	16.11	244	76438	8.61	ng		0.00
Target Compounds							Qvalue
5) Naphthalene	8.70	128	701	0.04	ng	#	88
6) 2-Methylnaphthalene	9.55	142	863	0.09	ng		95
9) Acenaphthylene	10.64	152	11120	0.16	ng		95
10) Acenaphthene	10.86	154	1860	0.17	ng		91
11) Fluorene	11.52	166	2042	0.18	ng		99
13) Phenanthrene	12.97	178	13888m	0.15	ng		
14) Anthracene	13.06	178	12753	0.18	ng		98
15) Fluoranthene	15.21	202	2642	0.19	ng		99
17) Pyrene	15.66	202	2887	0.19	ng		100
19) Benzo(a)anthracene	18.32	228	10103	0.24	ng		95
20) Chrysene	18.39	228	11968	0.25	ng		95
21) Indeno(1,2,3-cd)pyrene	23.57	276	5745m	0.35	ng		
23) Benzo(b)fluoranthene	20.64	252	1527	0.34	ng	#	88
24) Benzo(k)fluoranthene	20.69	252	2626	0.25	ng	#	90
25) Benzo(a)pyrene	21.28	252	1425	0.33	ng	#	86
26) Dibenzo(a,h)anthracene	23.66	278	993	0.33	ng	#	69
27) Benzo(g,h,i)perylene	24.20	276	6795	0.21	ng	#	84

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

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Misc :
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Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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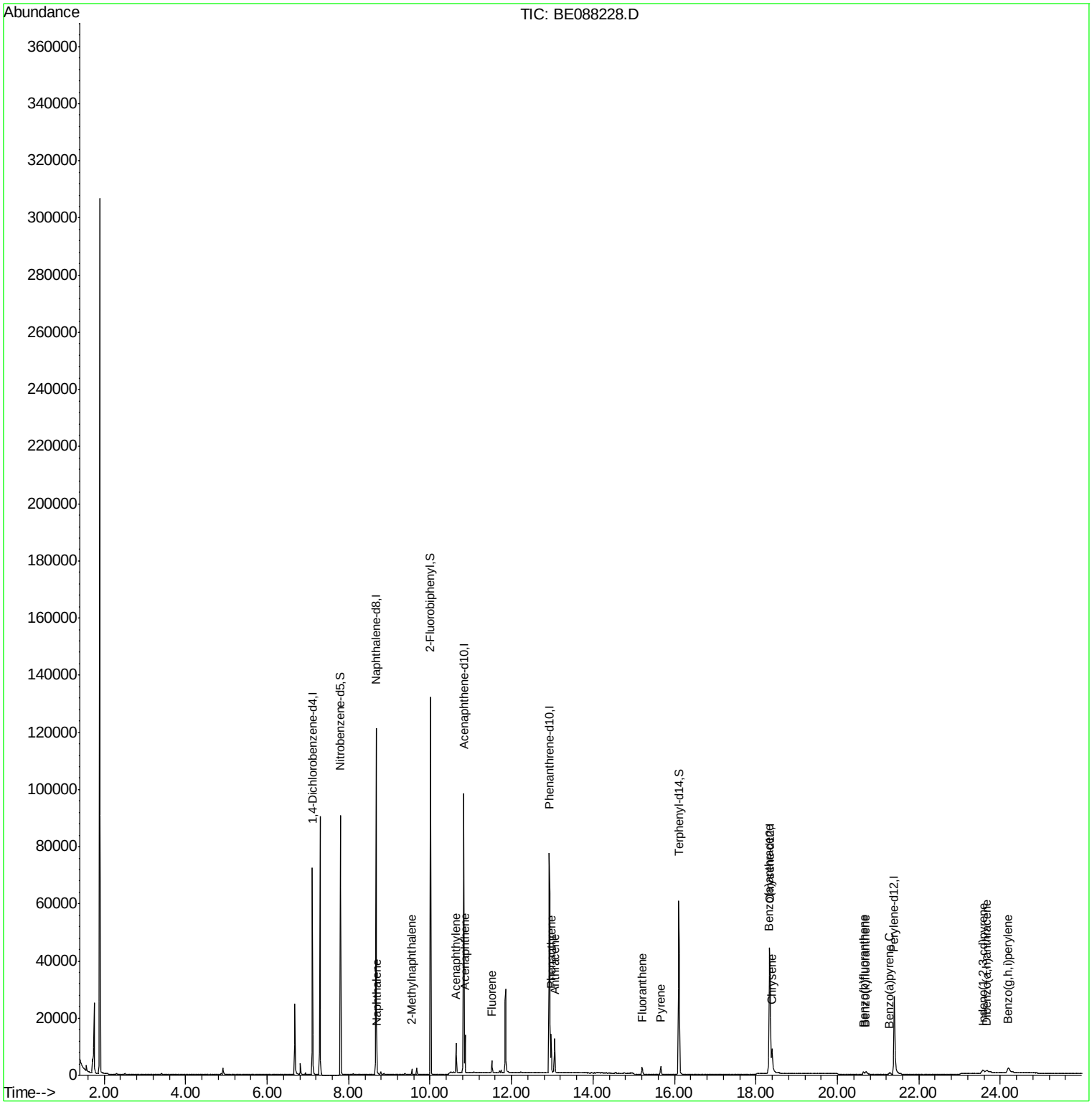
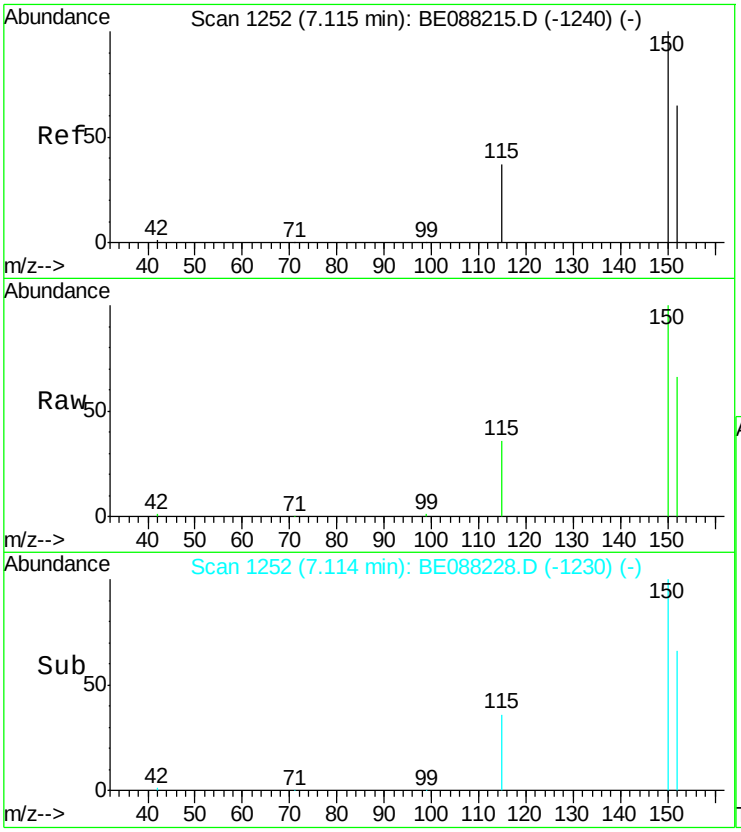
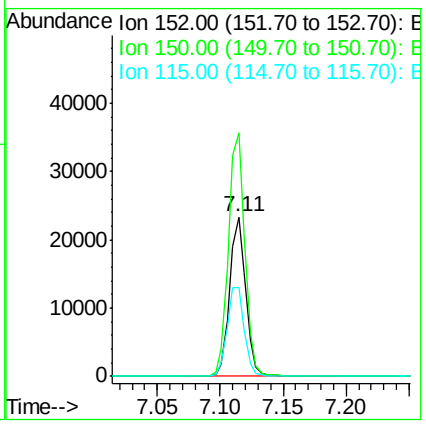




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.11 min Scan# 1252
Delta R.T. -0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:152 Resp: 20560

Ion	Ratio	Lower	Upper
152	100		
150	152.4	123.2	184.8
115	55.6	45.3	67.9



Instrument :
BNA_E
ClientSampleId :
S32-0460

Manual Integrations APPROVED
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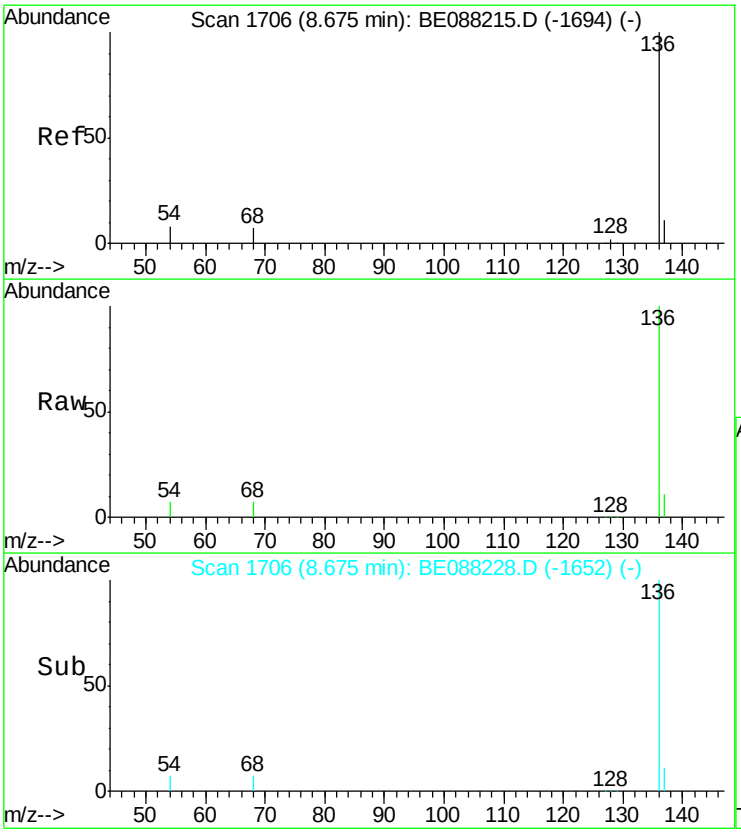
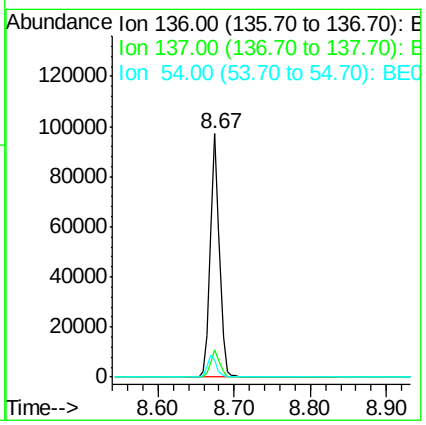
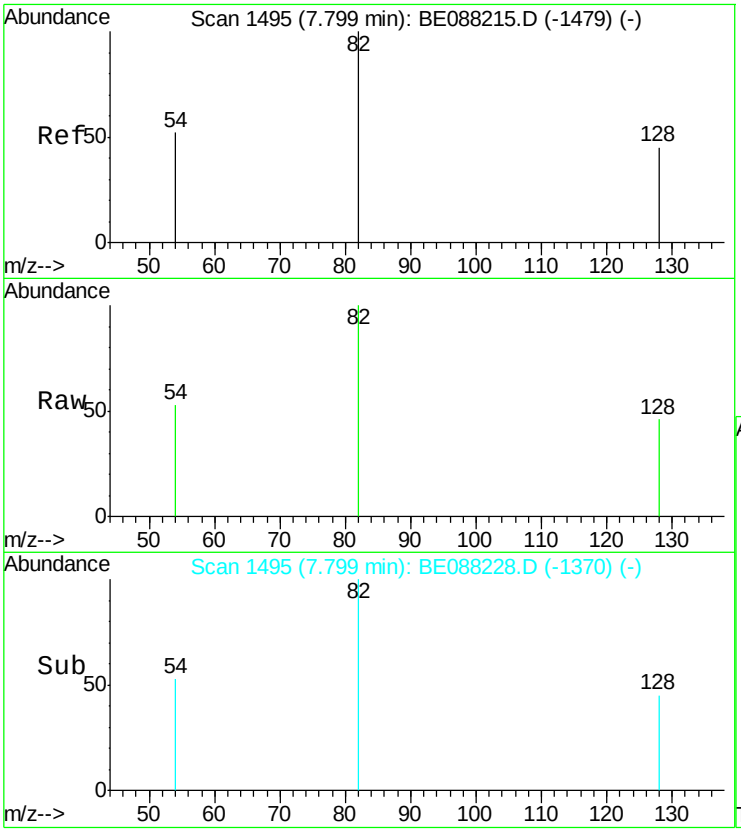


#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.67 min Scan# 1706
Delta R.T. -0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:136 Resp: 80771

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.1	6.1	9.1

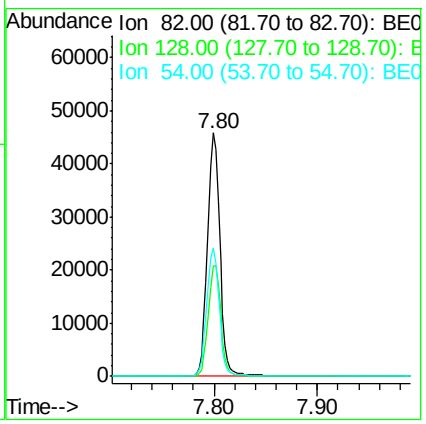




#4
Nitrobenzene-d5
Concen: 6.36 ng
RT: 7.80 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion: 82 Resp: 38136

Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.2	54.2
54	53.0	41.8	62.8



Instrument :
BNA_E
ClientSampleId :
S32-0460

Manual Integrations APPROVED
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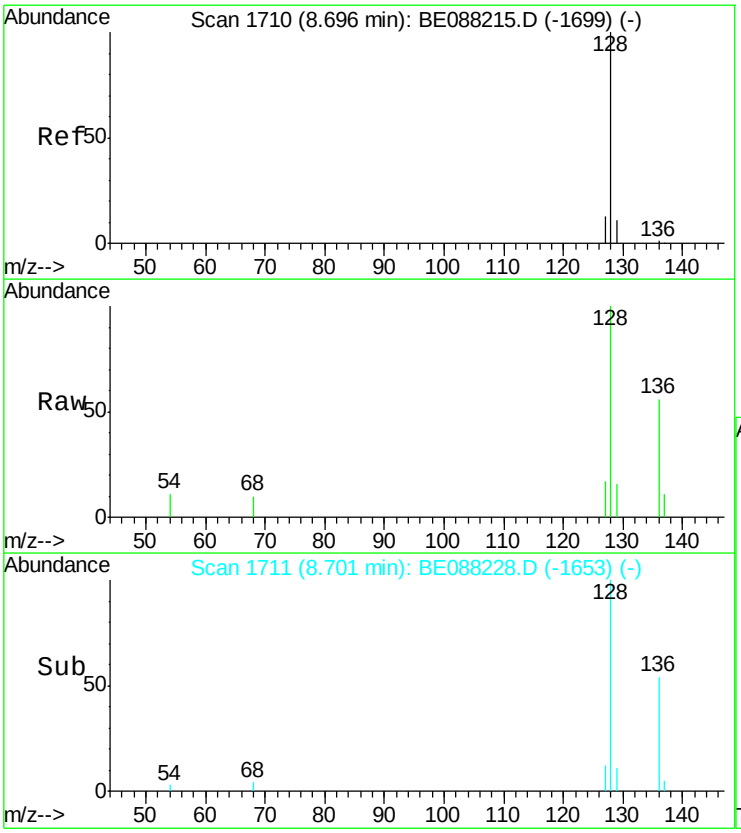
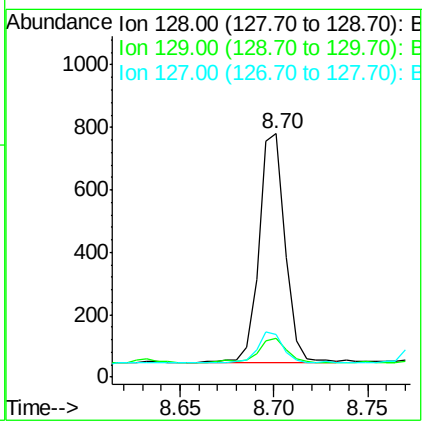
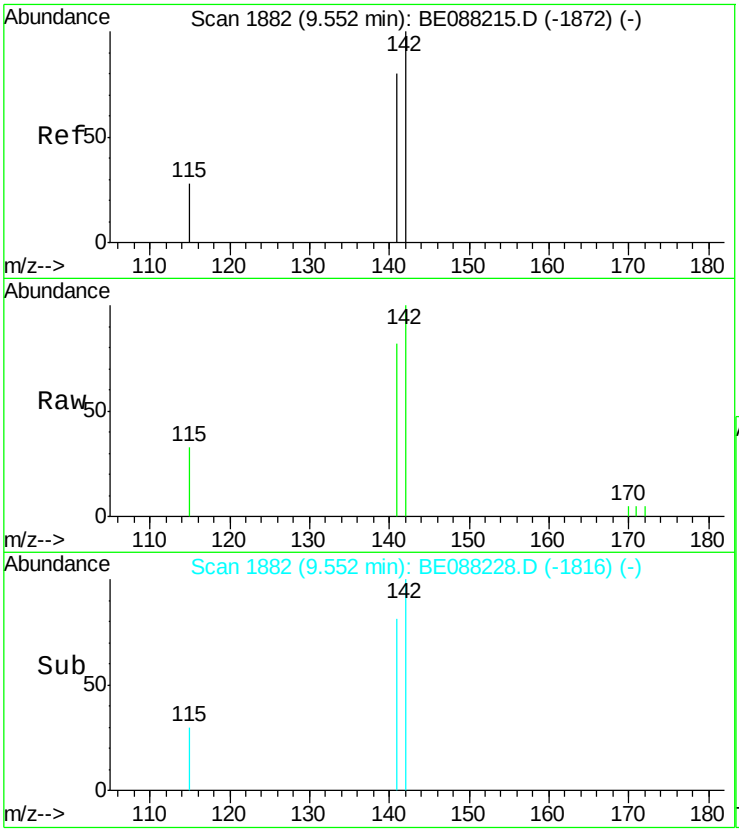


#5
Naphthalene
Concen: 0.04 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.01 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:128 Resp: 701

Ion	Ratio	Lower	Upper
128	100		
129	16.0	8.6	12.8#
127	17.3	10.4	15.6#

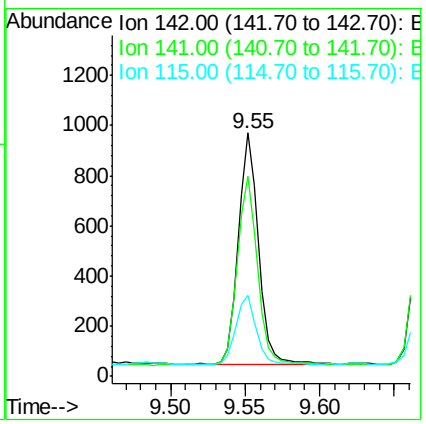




#6
2-Methylnaphthalene
Concen: 0.09 ng
RT: 9.55 min Scan# 1882
Delta R.T. -0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:142 Resp: 863

Ion	Ratio	Lower	Upper
142	100		
141	82.0	63.7	95.5
115	33.5	22.6	34.0



Instrument :
BNA_E
ClientSampleId :
S32-0460

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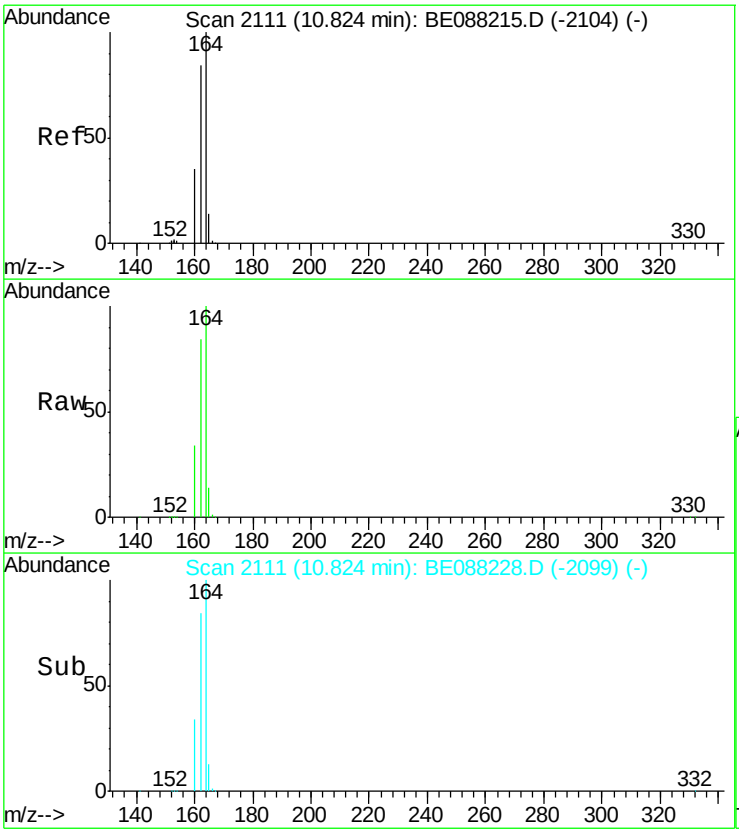
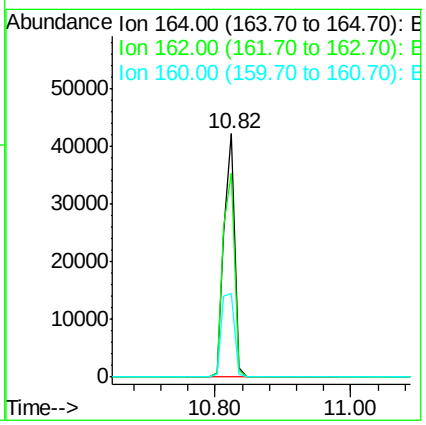
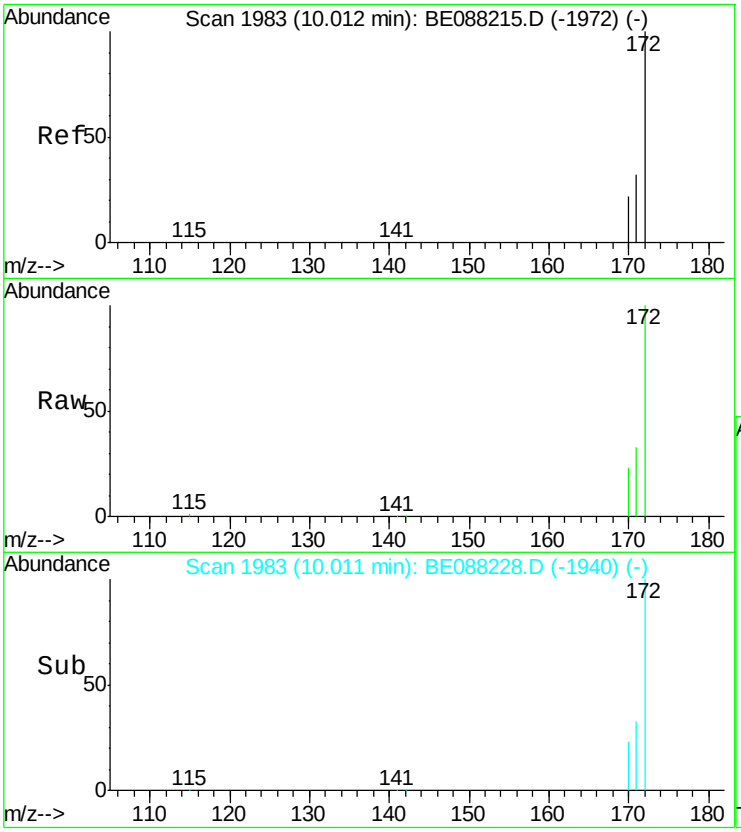


#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.82 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:164 Resp: 45808

Ion	Ratio	Lower	Upper
164	100		
162	83.6	67.4	101.0
160	34.2	27.7	41.5





#8
2-Fluorobiphenyl
Concen: 5.88 ng
RT: 10.01 min Scan# 1983
Delta R.T. -0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:172 Resp: 75164

Ion	Ratio	Lower	Upper
172	100		
171	33.0	25.8	38.6
170	22.8	17.4	26.0

Instrument :
BNA_E
ClientSampleId :
S32-0460

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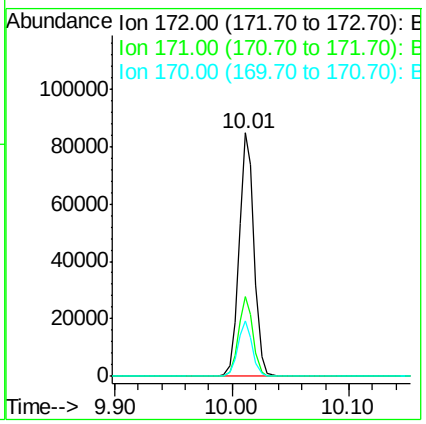
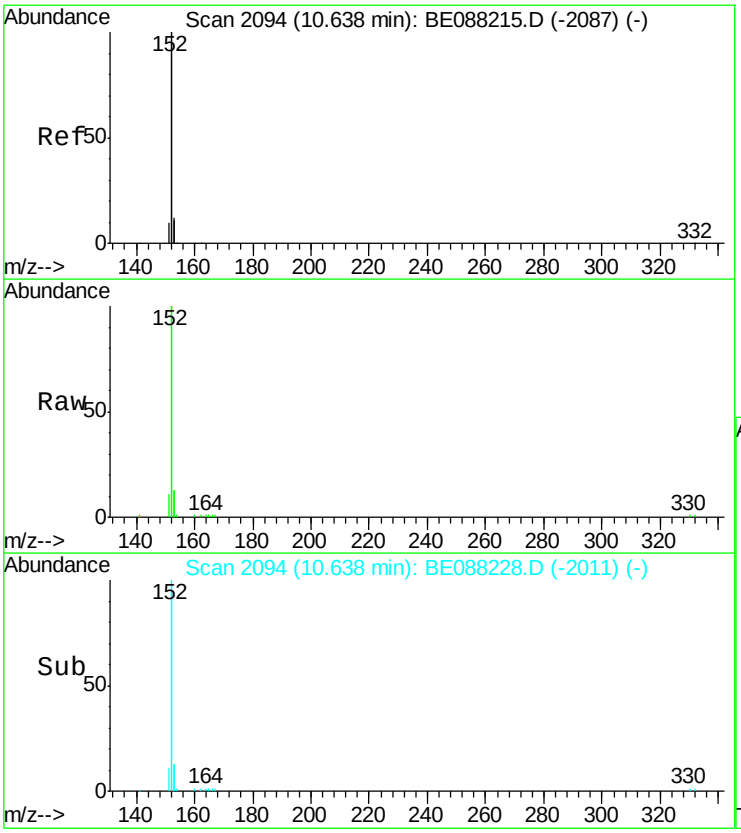
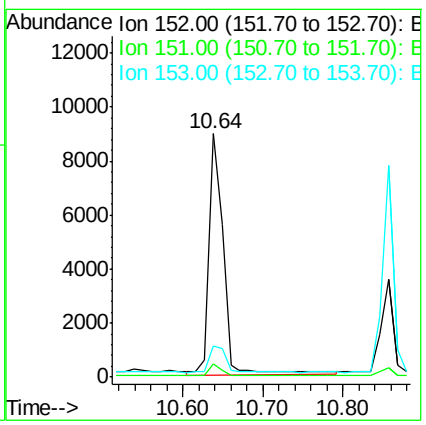


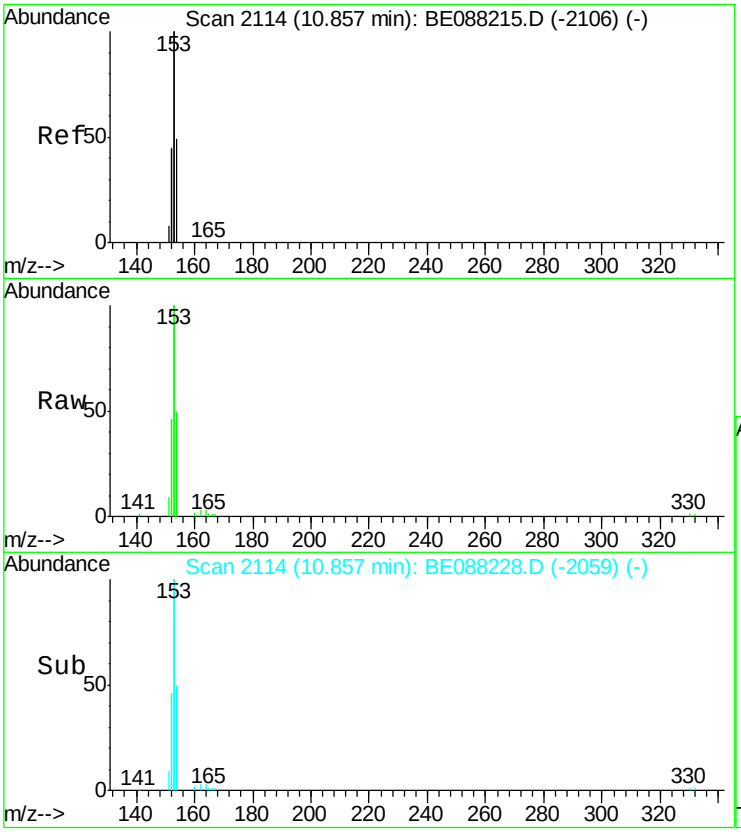


#9
Acenaphthylene
Concen: 0.16 ng
RT: 10.64 min Scan# 2094
Delta R.T. 0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:152 Resp: 11120

Ion	Ratio	Lower	Upper
152	100		
151	4.2	3.7	5.5
153	15.3	10.3	15.5

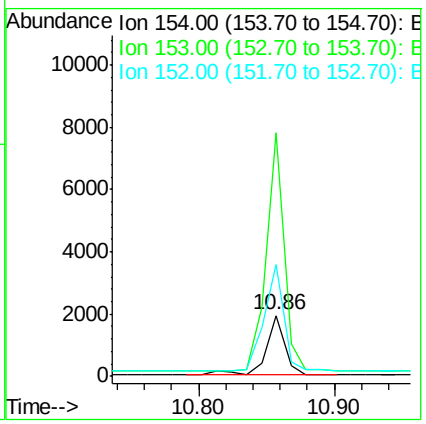




#10
Acenaphthene
Concen: 0.17 ng
RT: 10.86 min Scan# 2114
Delta R.T. 0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:154 Resp: 1860

Ion	Ratio	Lower	Upper
154	100		
153	377.1	326.0	489.0
152	191.0	155.6	233.4



Instrument :
BNA_E
ClientSampleId :
S32-0460

Manual Integrations APPROVED
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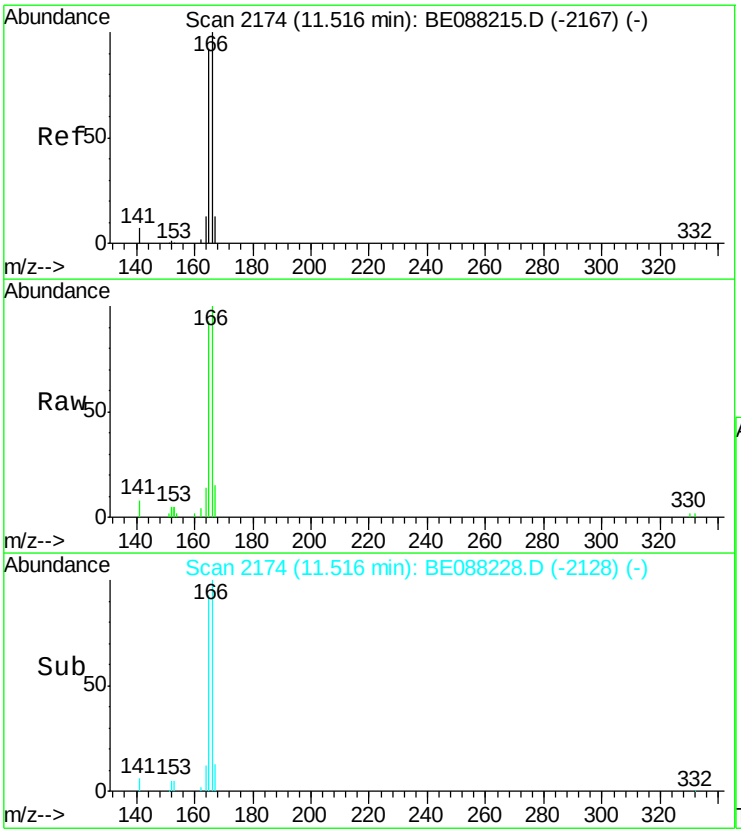
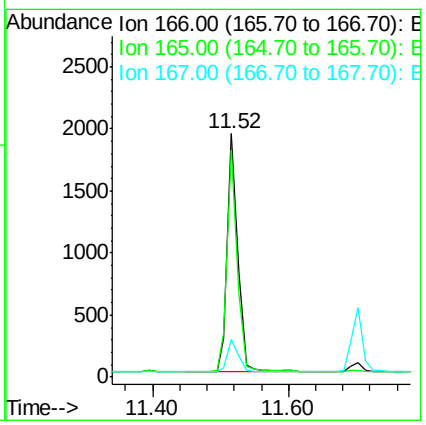
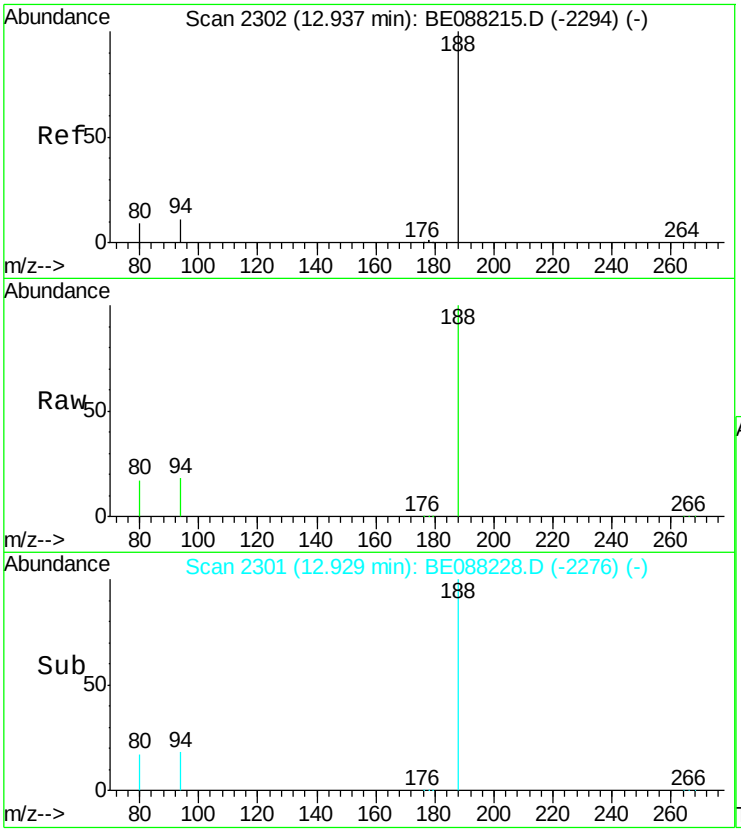


#11
Fluorene
Concen: 0.18 ng
RT: 11.52 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:166 Resp: 2042

Ion	Ratio	Lower	Upper
166	100		
165	91.1	71.8	107.6
167	13.9	10.7	16.1





#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.93 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:188 Resp: 97612

Ion	Ratio	Lower	Upper
188	100		
94	18.3	8.5	12.7#
80	17.5	7.4	11.0#

Instrument :
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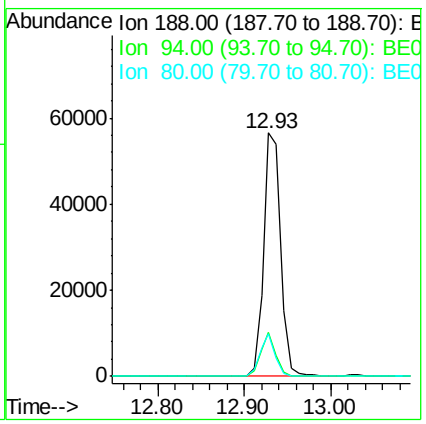
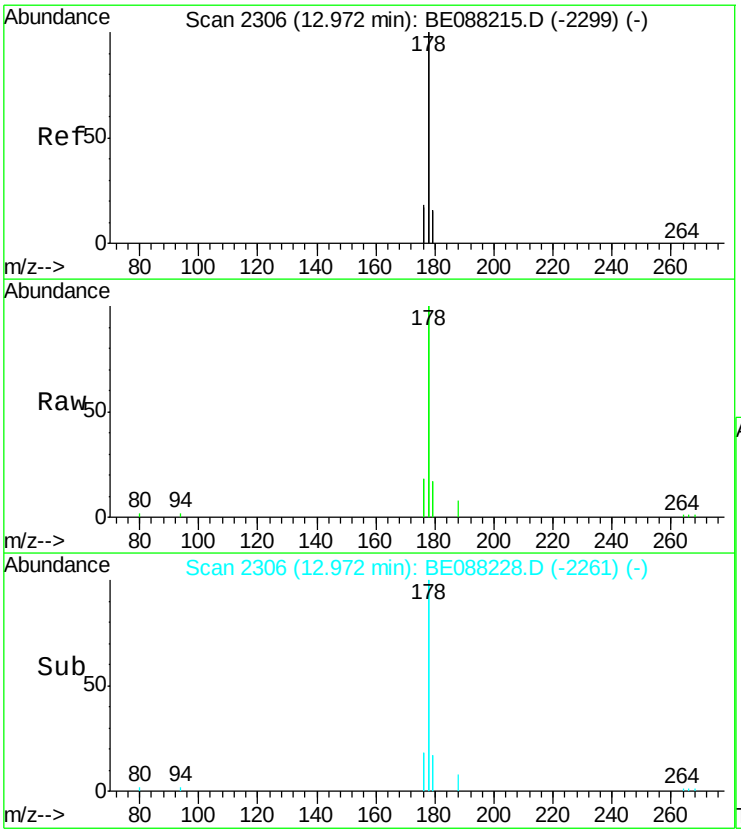
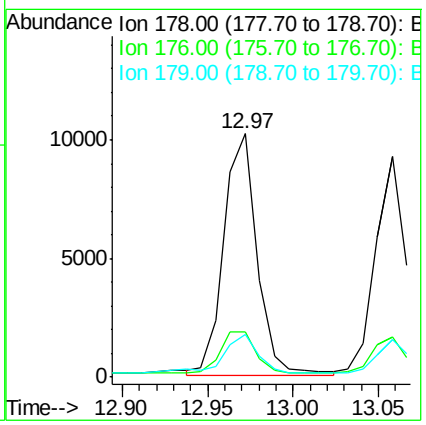


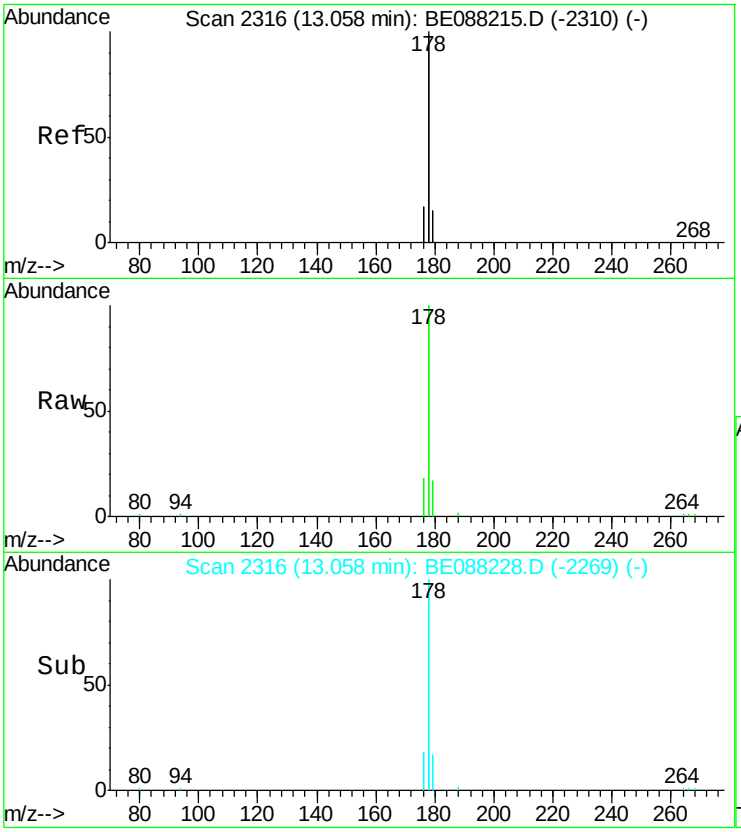


#13
Phenanthrene
Concen: 0.15 ng m
RT: 12.97 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:178 Resp: 13888

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.0	21.0
179	13.2	11.8	17.6

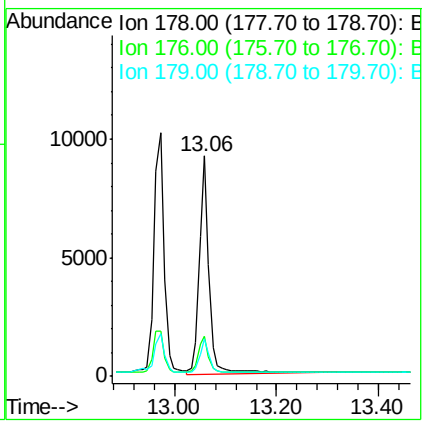




#14
Anthracene
Concen: 0.18 ng
RT: 13.06 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:178 Resp: 12753

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.7	22.1
179	14.4	12.3	18.5



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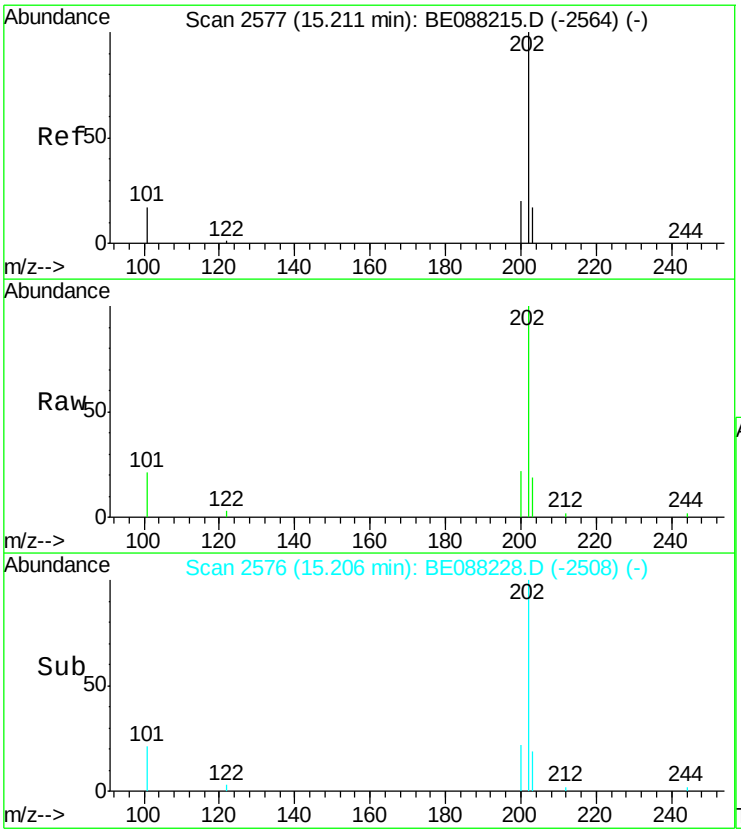
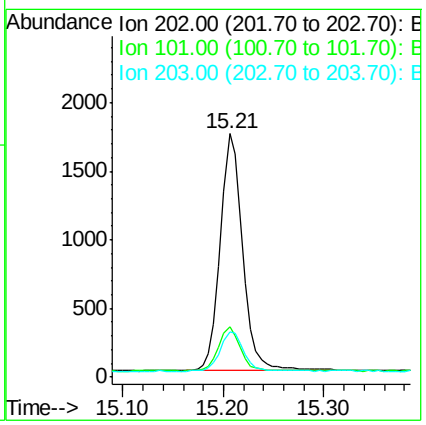
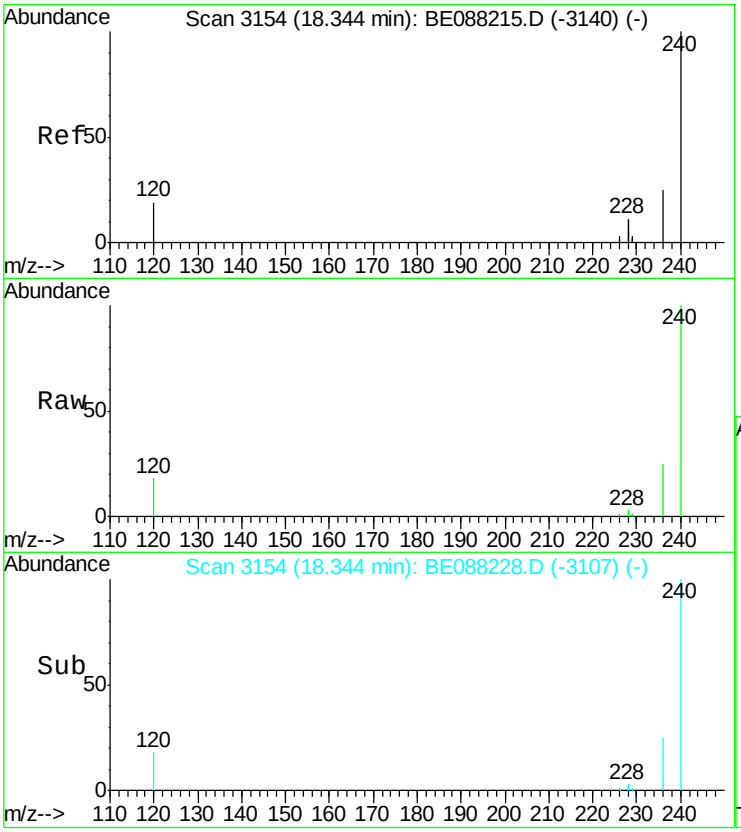


#15
Fluoranthene
Concen: 0.19 ng
RT: 15.21 min Scan# 2576
Delta R.T. -0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:202 Resp: 2642

Ion	Ratio	Lower	Upper
202	100		
101	17.9	14.4	21.6
203	17.4	13.4	20.2





#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.34 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:240 Resp: 54208

Ion	Ratio	Lower	Upper
240	100		
120	17.7	15.1	22.7
236	25.3	20.1	30.1

Instrument :
BNA_E
ClientSampleId :
S32-0460

Manual Integrations APPROVED
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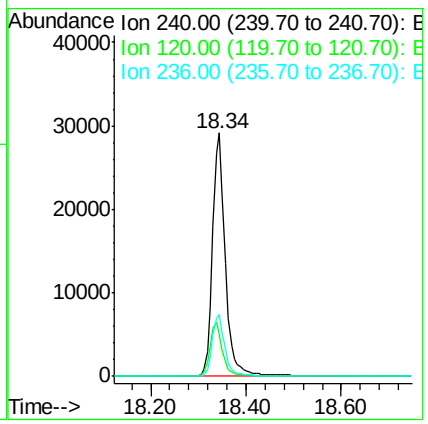
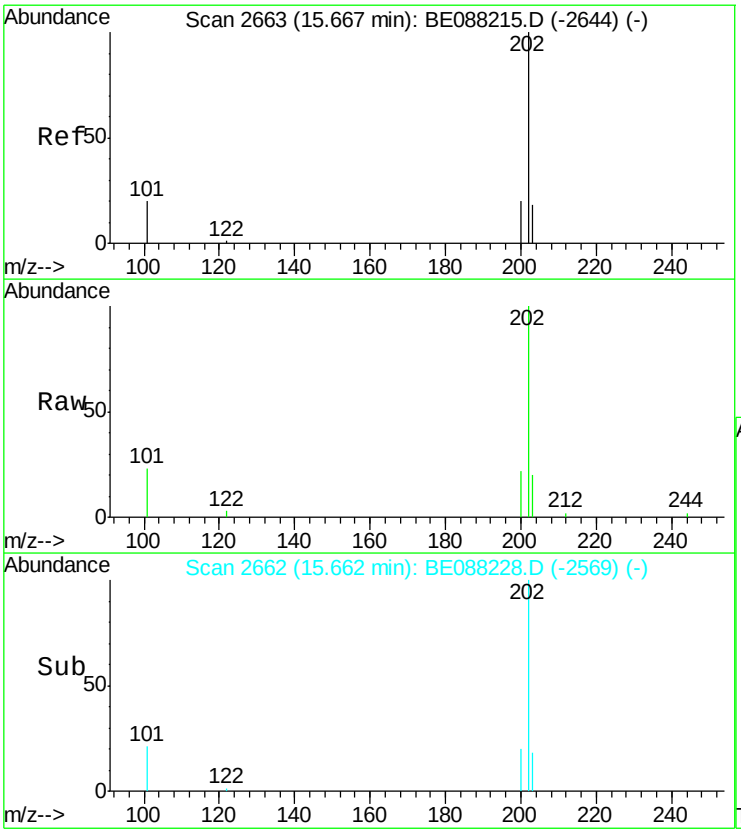
10/28/2014 12:22:48 PM

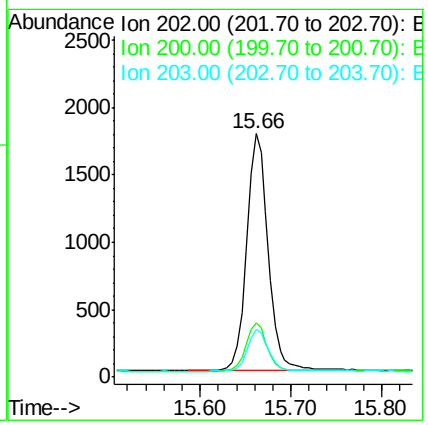


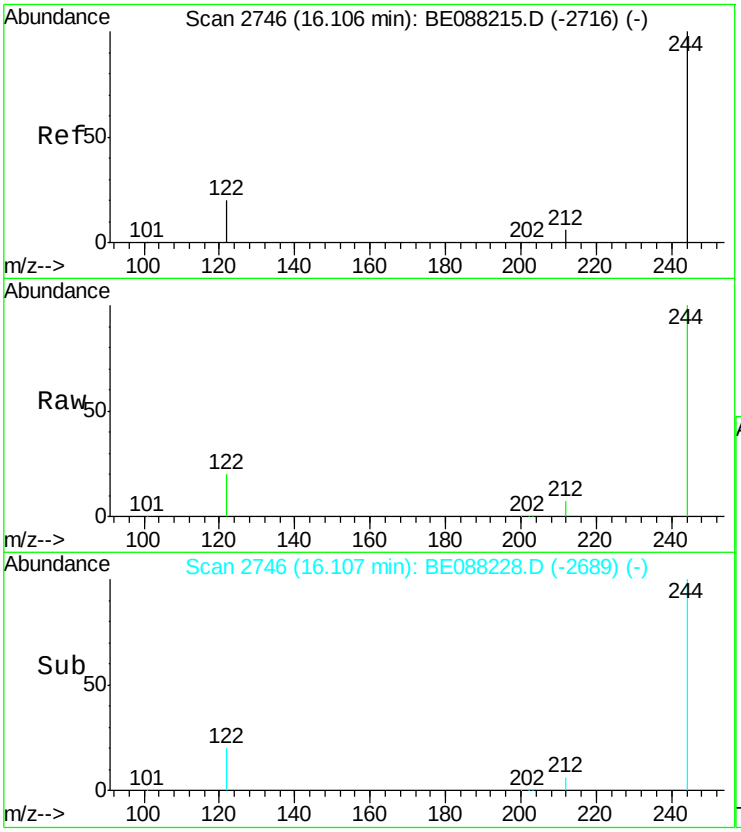


#17
Pyrene
Concen: 0.19 ng
RT: 15.66 min Scan# 2662
Delta R.T. -0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:202 Resp: 2887

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.2	24.2
203	17.1	13.8	20.8

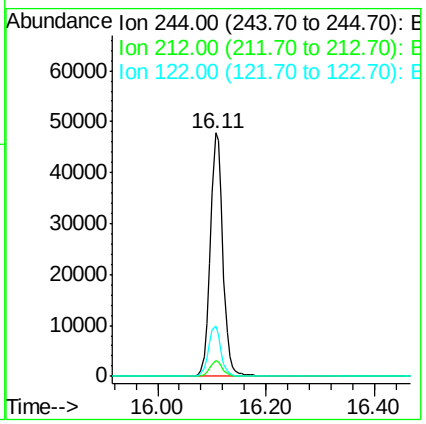




#18
Terphenyl-d14
Concen: 8.61 ng
RT: 16.11 min Scan# 2746
Delta R.T. 0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:244 Resp: 76438

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	20.5	16.7	25.1



Instrument :
BNA_E
ClientSampleId :
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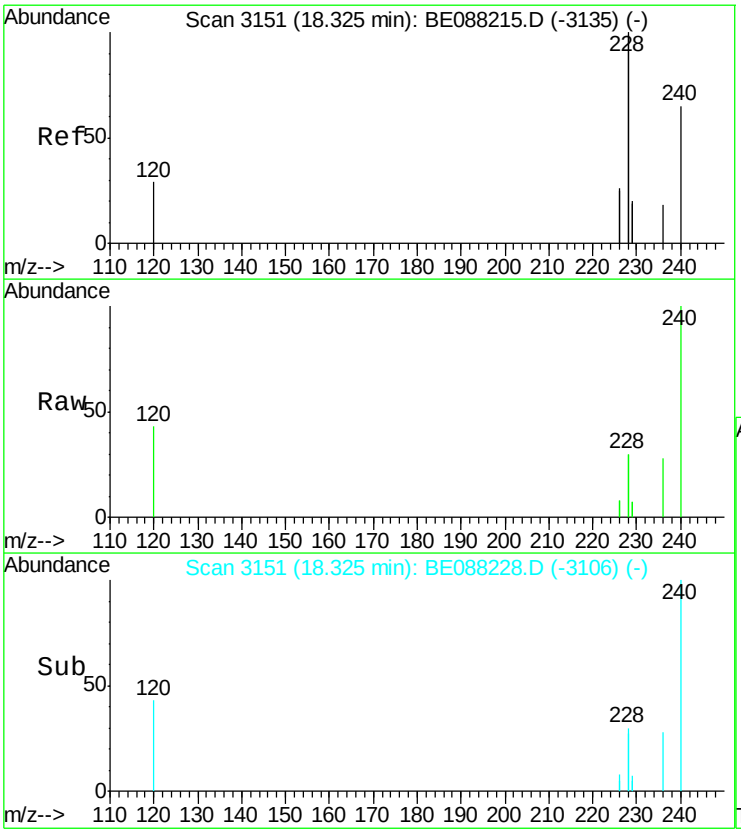
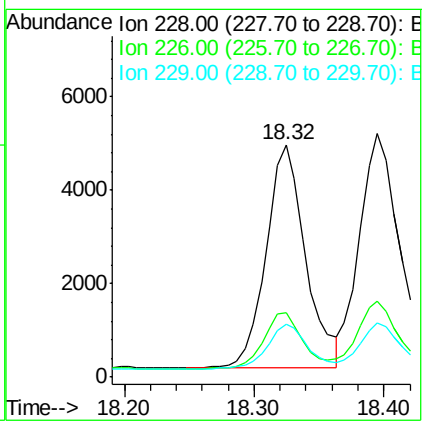
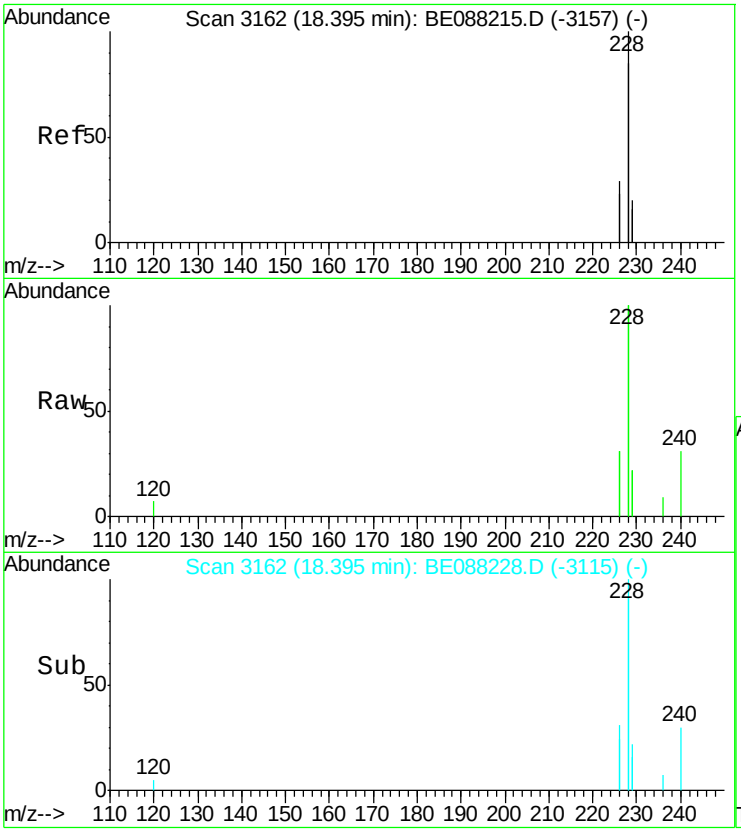


#19
Benzo(a)anthracene
Concen: 0.24 ng
RT: 18.32 min Scan# 3151
Delta R.T. -0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:228 Resp: 10103

Ion	Ratio	Lower	Upper
228	100		
226	27.7	20.5	30.7
229	22.6	16.1	24.1





#20
Chrysene
Concen: 0.25 ng
RT: 18.39 min Scan# 3162
Delta R.T. -0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Instrument :
BNA_E
ClientSampleId :
S32-0460

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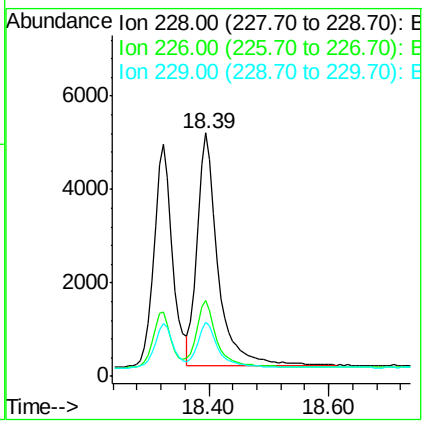
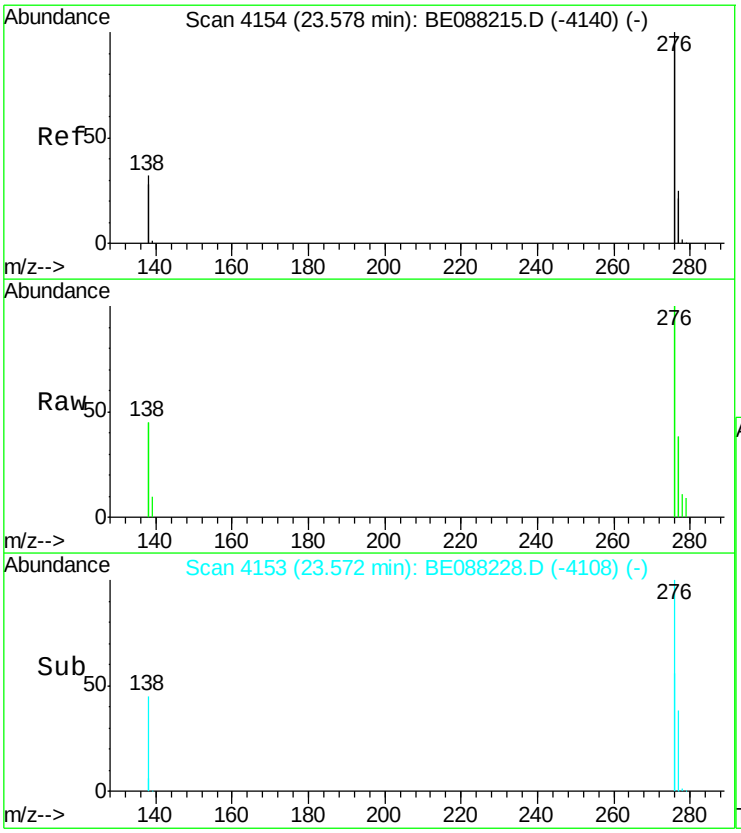
Tgt Ion:228 Resp: 11968

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.3	34.9
229	22.4	15.6	23.4

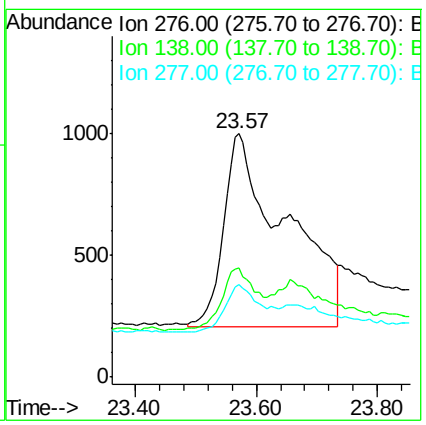


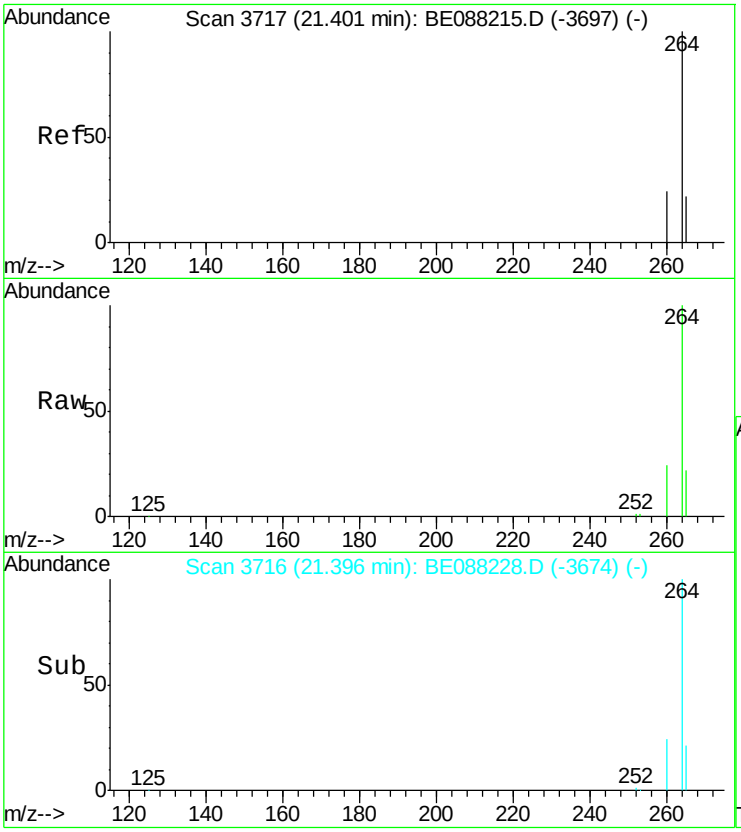


#21
Indeno(1,2,3-cd)pyrene
Concen: 0.35 ng m
RT: 23.57 min Scan# 4153
Delta R.T. -0.01 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:276 Resp: 5745

Ion	Ratio	Lower	Upper
276	100		
138	17.5	13.9	20.9
277	14.4	10.7	16.1

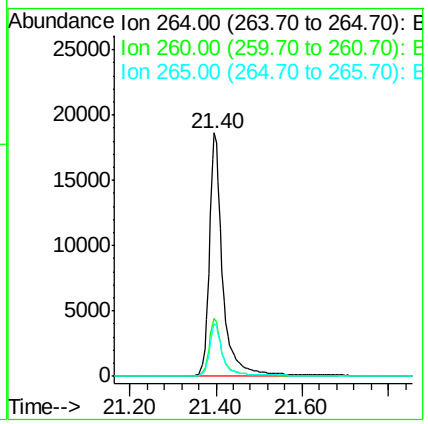




#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3716
Delta R.T. -0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:264 Resp: 39985

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	21.6	17.4	26.2



Instrument :
BNA_E
ClientSampleId :
S32-0460

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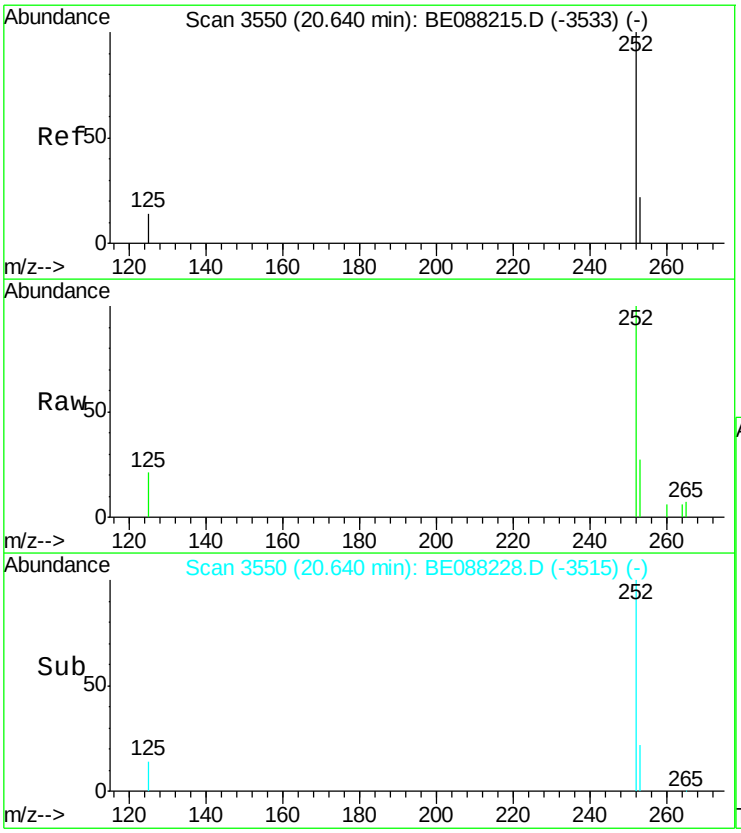
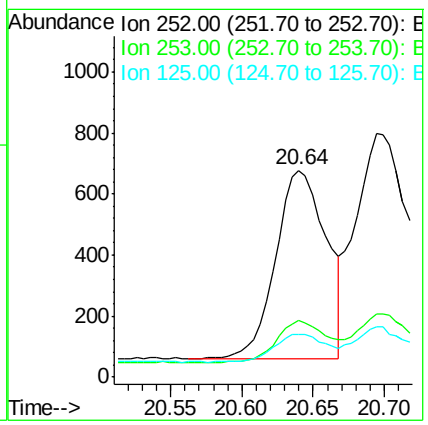
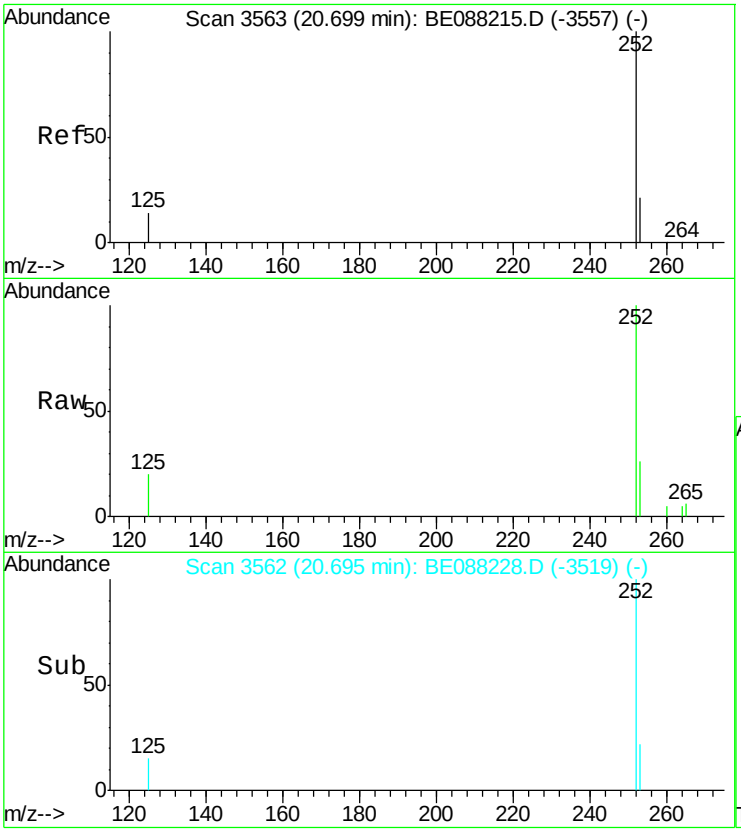


#23
Benzo(b)fluoranthene
Concen: 0.34 ng
RT: 20.64 min Scan# 3550
Delta R.T. 0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:252 Resp: 1527

Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.9	26.9#
125	20.6	12.2	18.2#





#24
Benzo(k)fluoranthene
Concen: 0.25 ng
RT: 20.69 min Scan# 3562
Delta R.T. -0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:252 Resp: 2626

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.6	26.4
125	20.4	12.1	18.1#

Instrument :
BNA_E
ClientSampleId :
S32-0460

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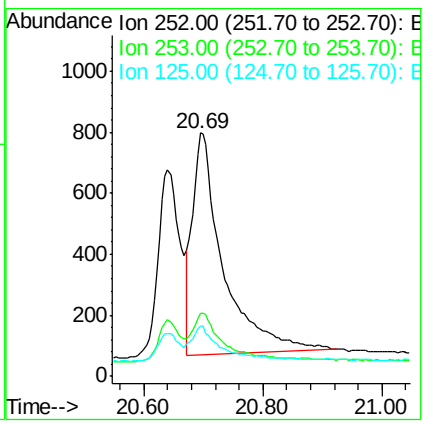
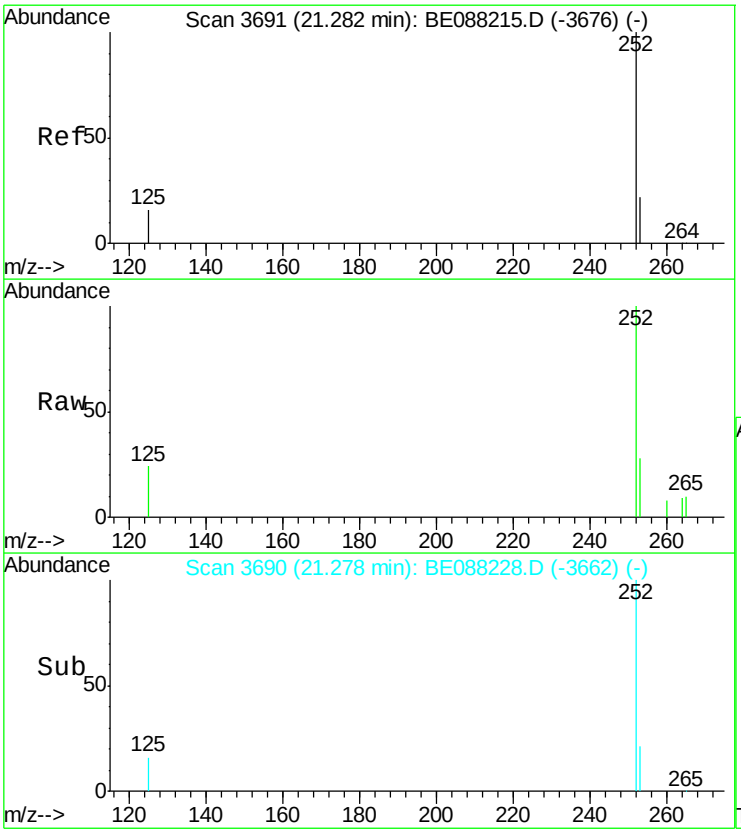
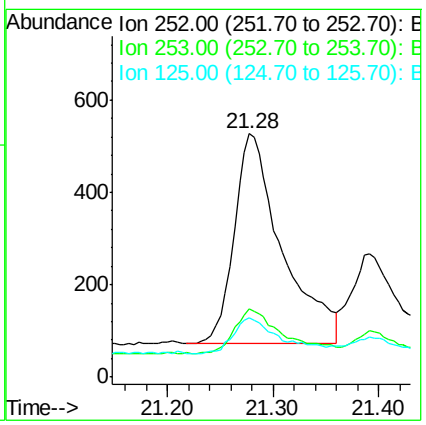


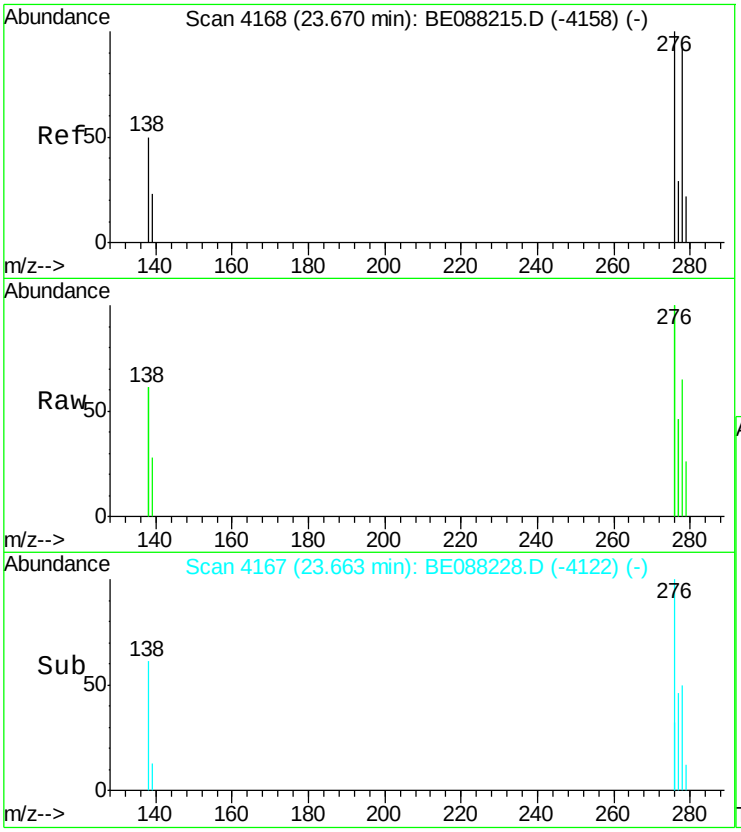


#25
Benzo(a)pyrene
Concen: 0.33 ng
RT: 21.28 min Scan# 3690
Delta R.T. -0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:252 Resp: 1425

Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.8	26.8#
125	24.1	13.5	20.3#





#26
Dibenzo(a,h)anthracene
Concen: 0.33 ng
RT: 23.66 min Scan# 4167
Delta R.T. -0.01 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:278 Resp: 993

Ion	Ratio	Lower	Upper
278	100		
139	43.3	22.1	33.1#
279	40.9	20.2	30.2#

Instrument :
BNA_E
ClientSampleId :
S32-0460

Manual Integrations APPROVED
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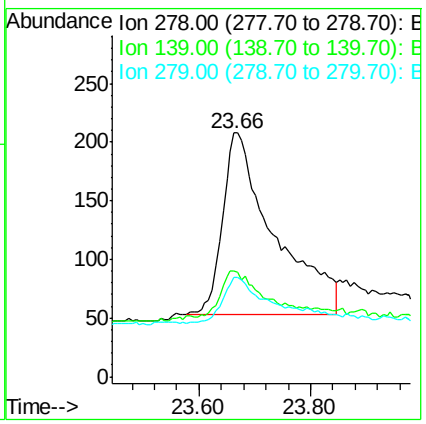

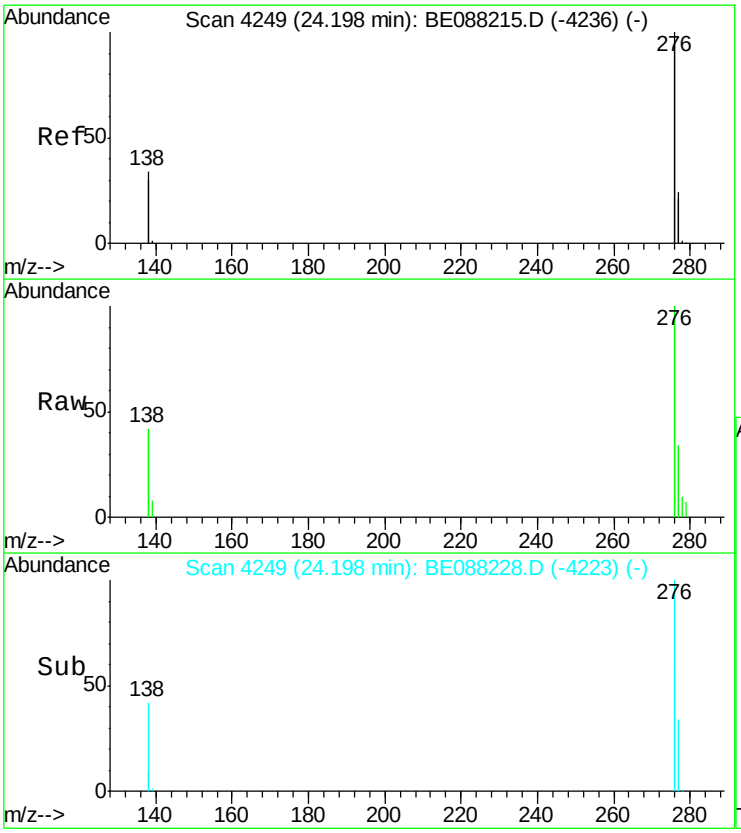

#27
Benzo(g,h,i)perylene
Concen: 0.21 ng
RT: 24.20 min Scan# 4249
Delta R.T. -0.00 min
Lab File: BE088228.D
Acq: 25 Oct 2014 2:48

Tgt Ion:276 Resp: 6795

Ion	Ratio	Lower	Upper
276	100		
277	34.1	19.4	29.2#
138	42.0	27.3	40.9#