Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\Data\BE031916\
Data File : BE091489.D
Acq On : 18 Mar 2016 19:03
Operator : UM/SJ
Sample : PB88982BL
Misc :
ALS Vial : 11 Sample Multiplier: 2

Instrument :
BNA_E
ClientSampleId :
PB88982BL

Manual Integrations APPROVED
Sohil
3/29/2016 3:27:25 PM

Quant Time: Mar 30 01:53:06 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 14:14:30 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	104185	10.00	ng	0.00
6) Naphthalene-d8	10.61	136	451290	10.00	ng	0.00
10) Acenaphthene-d10	14.45	164	258751	10.00	ng	0.00
16) Phenanthrene-d10	17.17	188	646558	10.00	ng	-0.01
22) Chrysene-d12	21.34	240	842324	10.00	ng	0.00
28) Perylene-d12	23.80	264	759918	10.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	74609	6.23	ng	0.00
5) Phenol-d6	6.99	99	95007	6.08	ng	0.00
7) Nitrobenzene-d5	8.98	82	33011	2.99	ng	0.00
11) 2,4,6-Tribromophenol	15.92	330	17983m	4.15	ng	-0.01
12) 2-Fluorobiphenyl	13.07	172	117918	3.62	ng	0.00
24) Terphenyl-d14	19.78	244	183462	3.62	ng	-0.02
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

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Misc :
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Manual Integrations APPROVED
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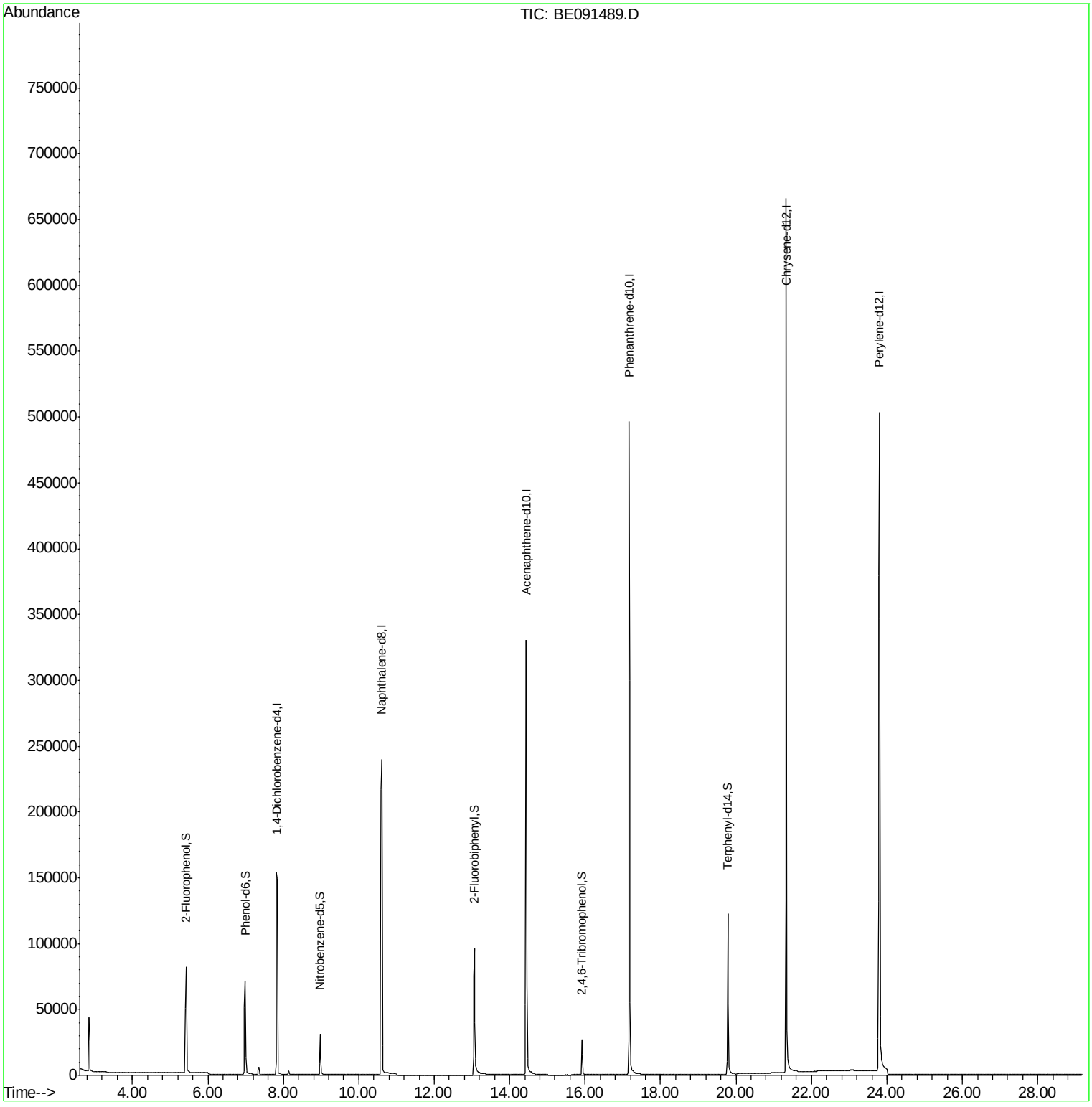
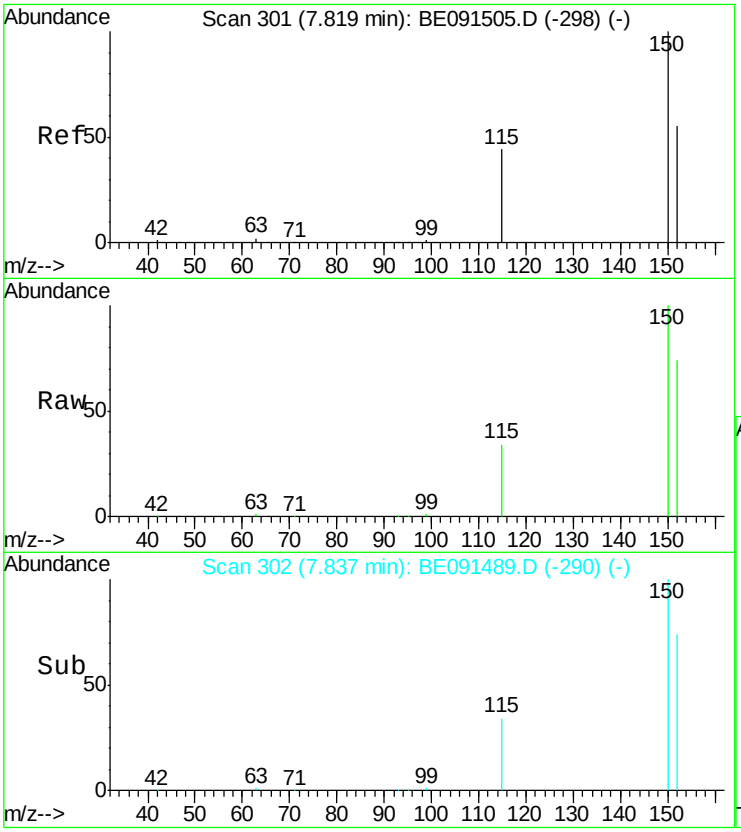
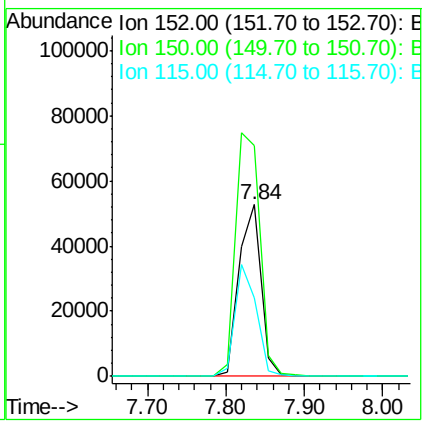




#1
1,4-Dichlorobenzene-d4
Concen: 10.00 ng
RT: 7.84 min Scan# 302
Delta R.T. -0.00 min
Lab File: BE091489.D
Acq: 18 Mar 2016 19:03

Tgt Ion:152 Resp: 104185

Ion	Ratio	Lower	Upper
152	100		
150	134.8	122.2	183.2
115	45.6	45.9	68.9#



Instrument :
BNA_E
ClientSampleId :
PB88982BL

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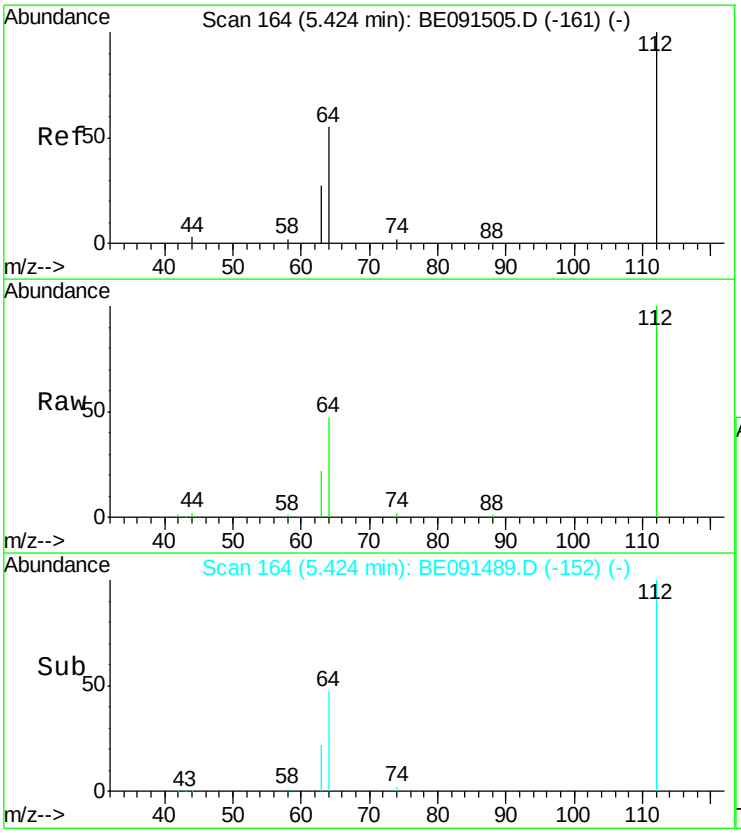
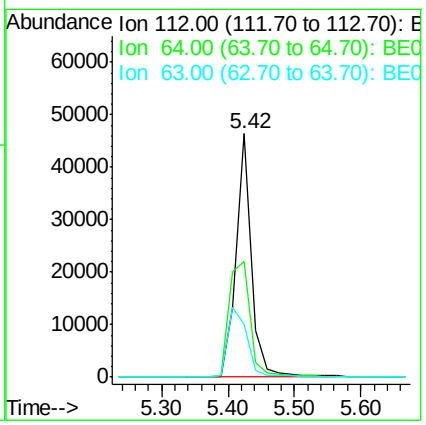
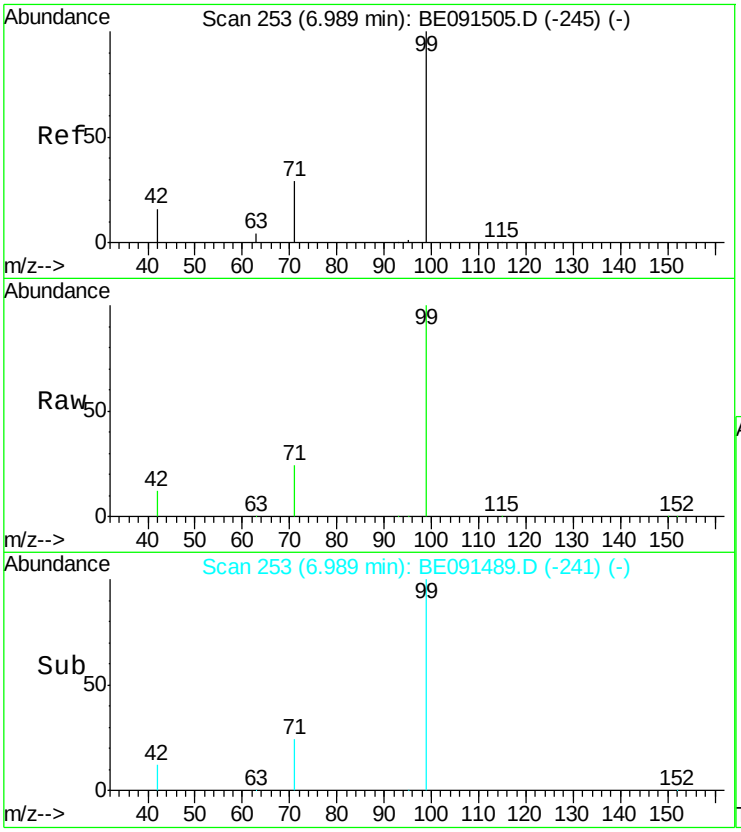


#4
2-Fluorophenol
Concen: 6.23 ng
RT: 5.42 min Scan# 164
Delta R.T. -0.00 min
Lab File: BE091489.D
Acq: 18 Mar 2016 19:03

Tgt Ion:112 Resp: 74609

Ion	Ratio	Lower	Upper
112	100		
64	65.4	53.3	79.9
63	35.7	29.8	44.8

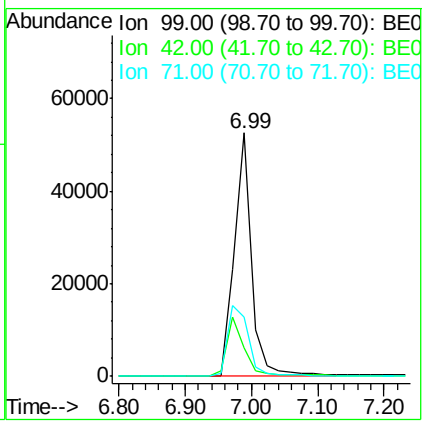




#5
Phenol-d6
Concen: 6.08 ng
RT: 6.99 min Scan# 253
Delta R.T. -0.00 min
Lab File: BE091489.D
Acq: 18 Mar 2016 19:03

Tgt Ion: 99 Resp: 95007

Ion	Ratio	Lower	Upper
99	100		
42	24.2	20.6	30.8
71	35.1	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
PB88982BL

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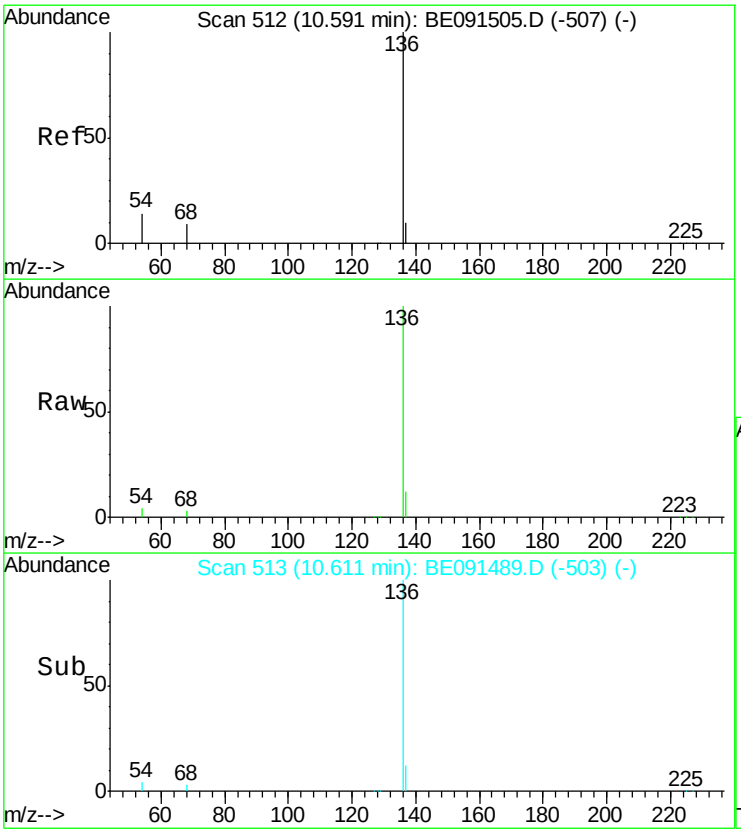
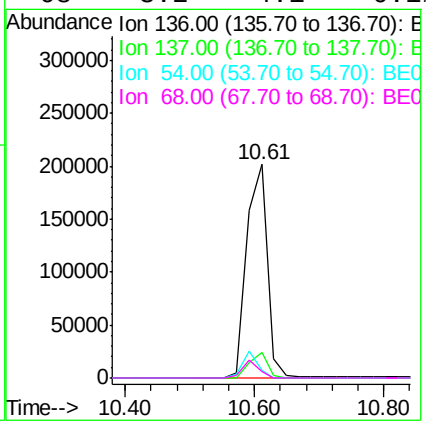
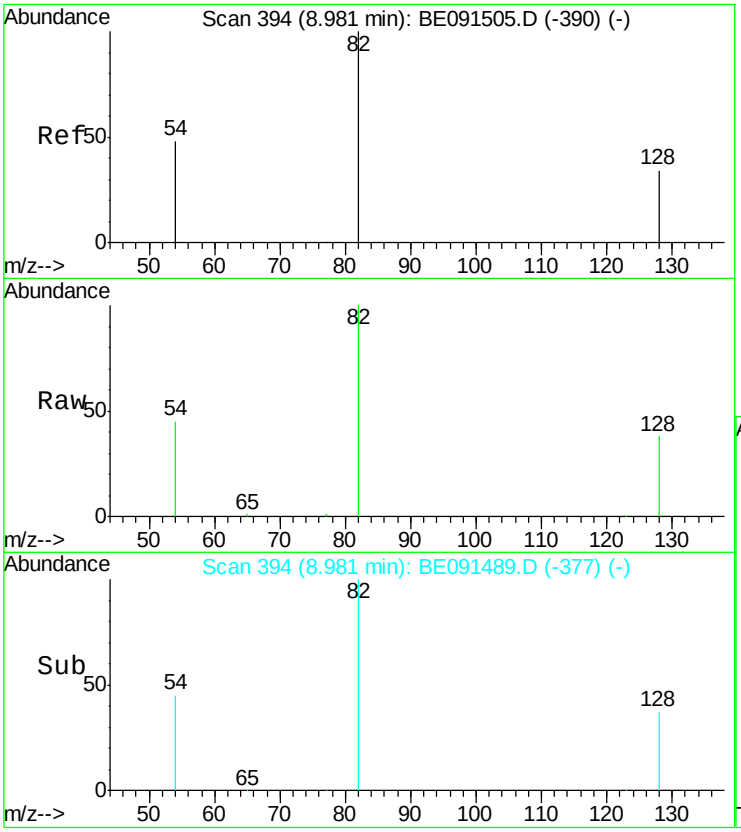


#6
Naphthalene-d8
Concen: 10.00 ng
RT: 10.61 min Scan# 513
Delta R.T. -0.00 min
Lab File: BE091489.D
Acq: 18 Mar 2016 19:03

Tgt Ion:136 Resp: 451290

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.8	13.2
54	3.8	5.2	7.8#
68	3.2	4.1	6.1#





#7
Nitrobenzene-d5
Concen: 2.99 ng
RT: 8.98 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE091489.D
Acq: 18 Mar 2016 19:03

Tgt Ion: 82 Resp: 33011

Ion	Ratio	Lower	Upper
82	100		
128	37.6	23.5	35.3#
54	44.8	52.4	78.6#

Instrument :
BNA_E
ClientSampleId :
PB88982BL

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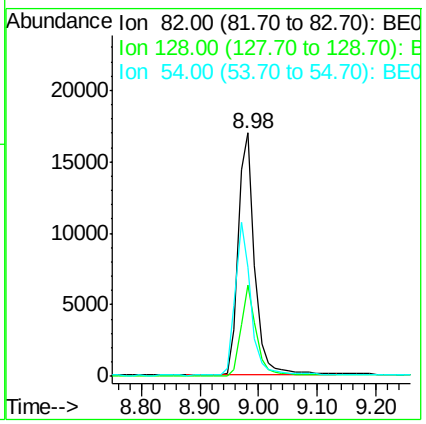
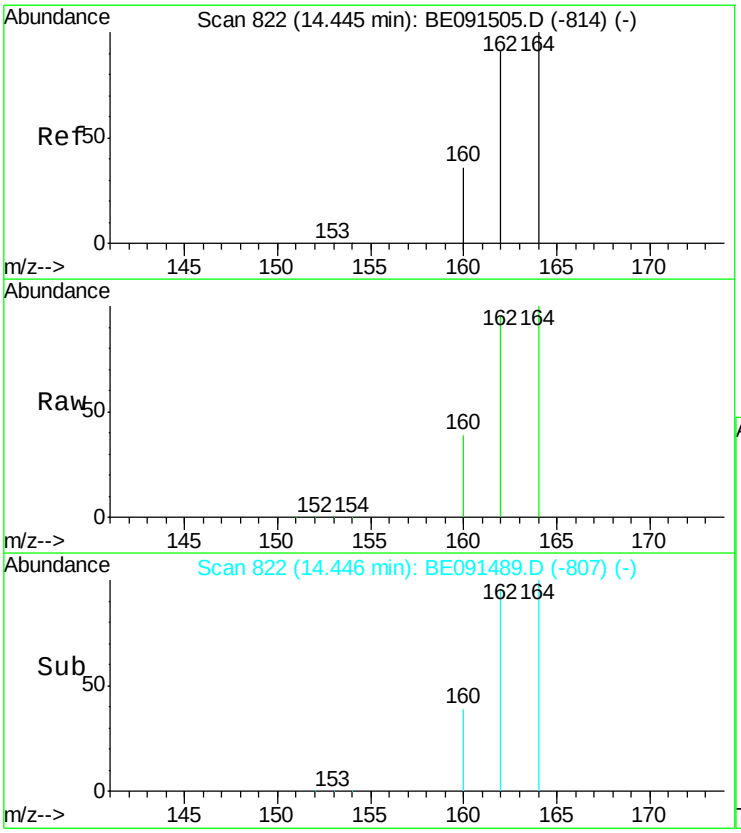
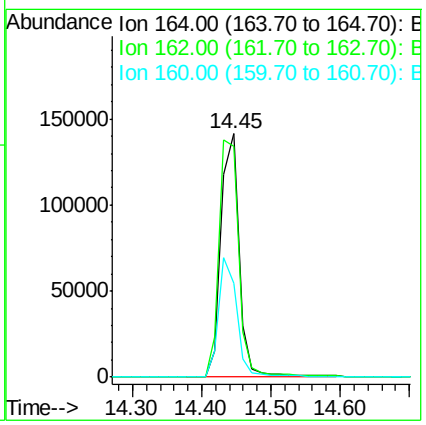


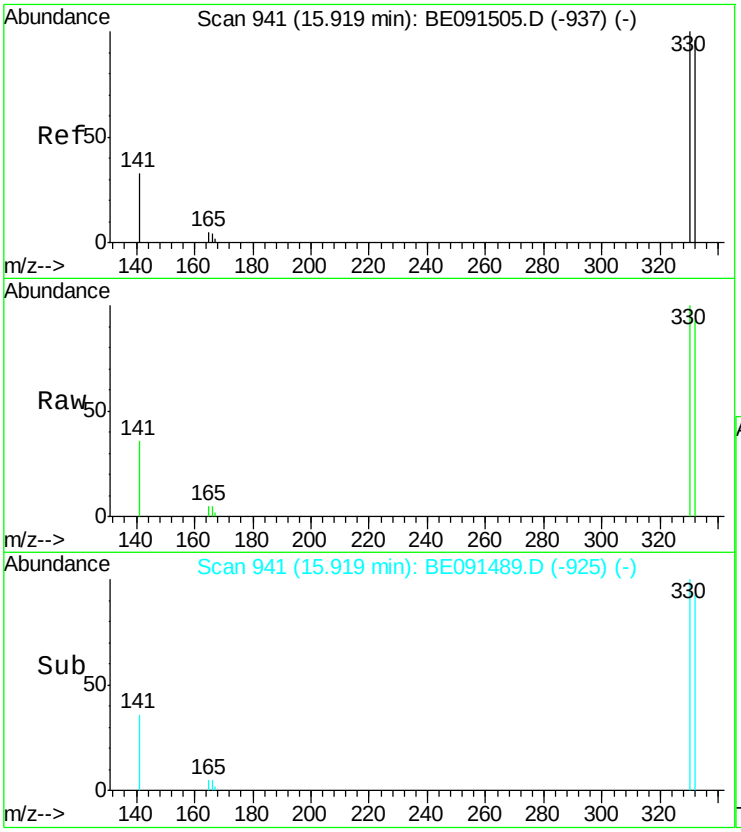


#10
Acenaphthene-d10
Concen: 10.00 ng
RT: 14.45 min Scan# 822
Delta R.T. 0.00 min
Lab File: BE091489.D
Acq: 18 Mar 2016 19:03

Tgt Ion:164 Resp: 258751

Ion	Ratio	Lower	Upper
164	100		
162	94.8	84.4	126.6
160	38.7	37.7	56.5

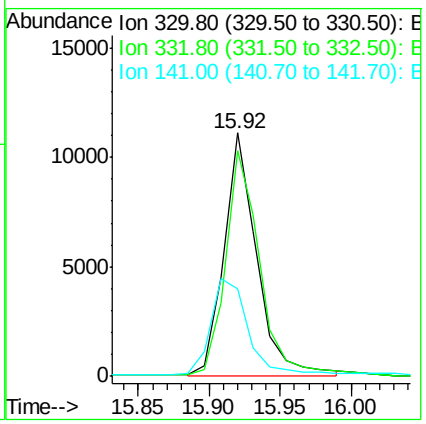




#11
2,4,6-Tribromophenol
Concen: 4.15 ng m
RT: 15.92 min Scan# 941
Delta R.T. -0.01 min
Lab File: BE091489.D
Acq: 18 Mar 2016 19:03

Tgt Ion:330 Resp: 17983

Ion	Ratio	Lower	Upper
330	100		
332	115.0	79.2	118.8
141	53.5	28.1	42.1#



Instrument :
BNA_E
ClientSampleId :
PB88982BL

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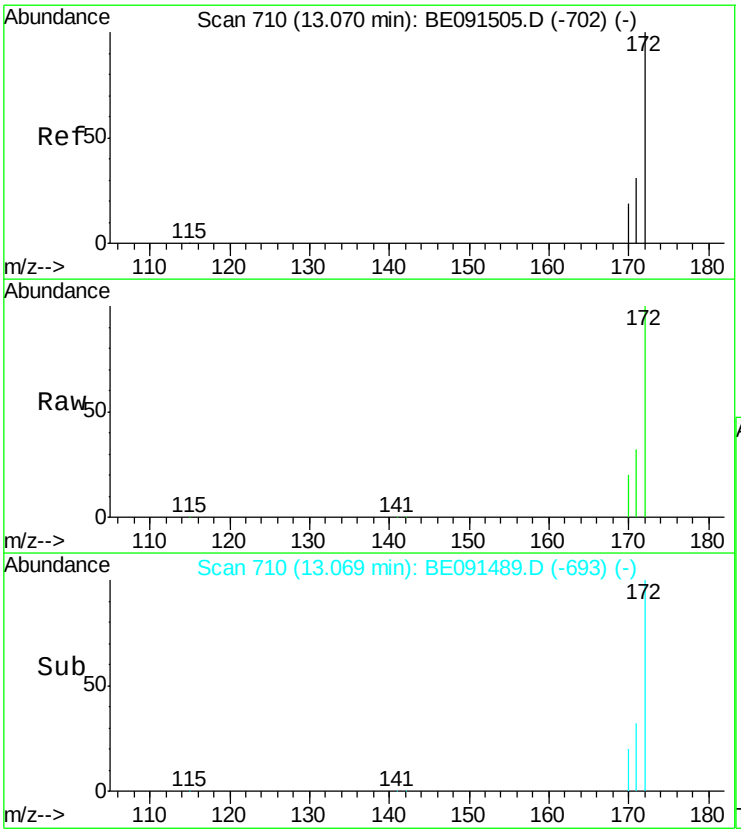
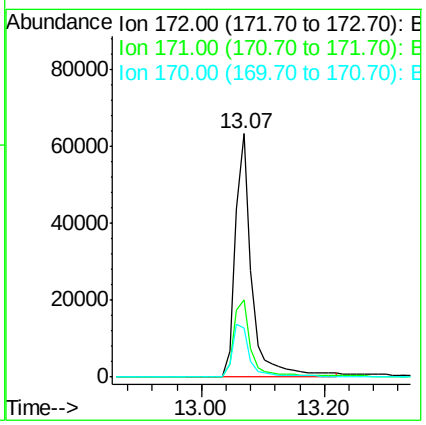
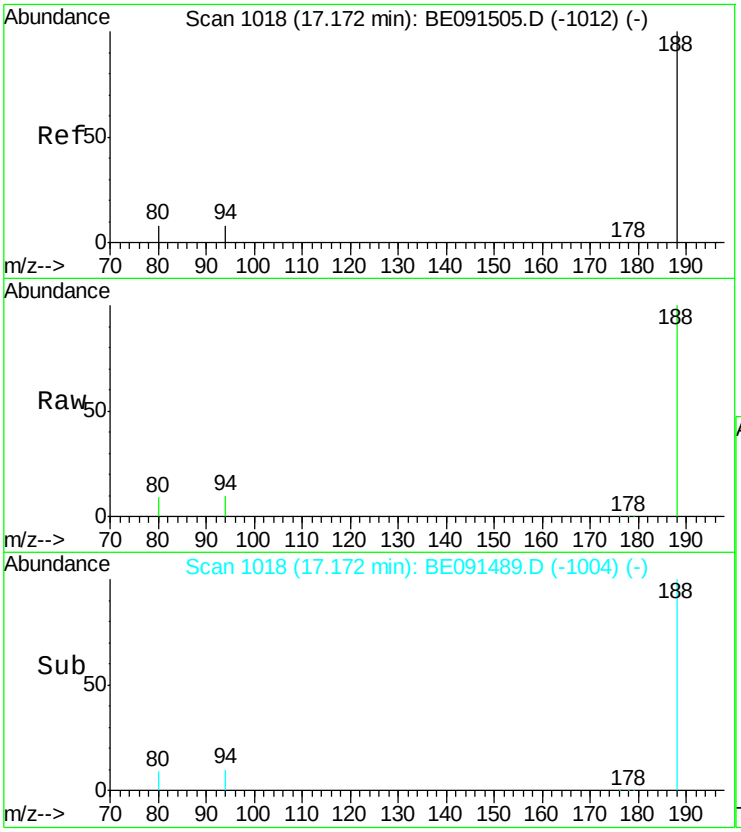


#12
2-Fluorobiphenyl
Concen: 3.62 ng
RT: 13.07 min Scan# 710
Delta R.T. -0.00 min
Lab File: BE091489.D
Acq: 18 Mar 2016 19:03

Tgt Ion:172 Resp: 117918

Ion	Ratio	Lower	Upper
172	100		
171	31.9	29.8	44.8
170	20.0	21.4	32.2#





#16
Phenanthrene-d10
Concen: 10.00 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091489.D
Acq: 18 Mar 2016 19:03

Tgt Ion:188 Resp: 646558

Ion	Ratio	Lower	Upper
188	100		
94	9.6	5.4	8.2#
80	9.3	5.0	7.4#

Instrument :
BNA_E
ClientSampleId :
PB88982BL

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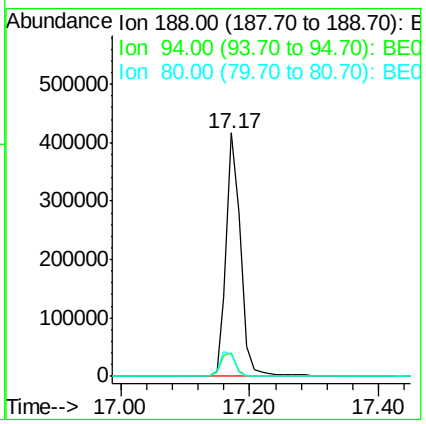
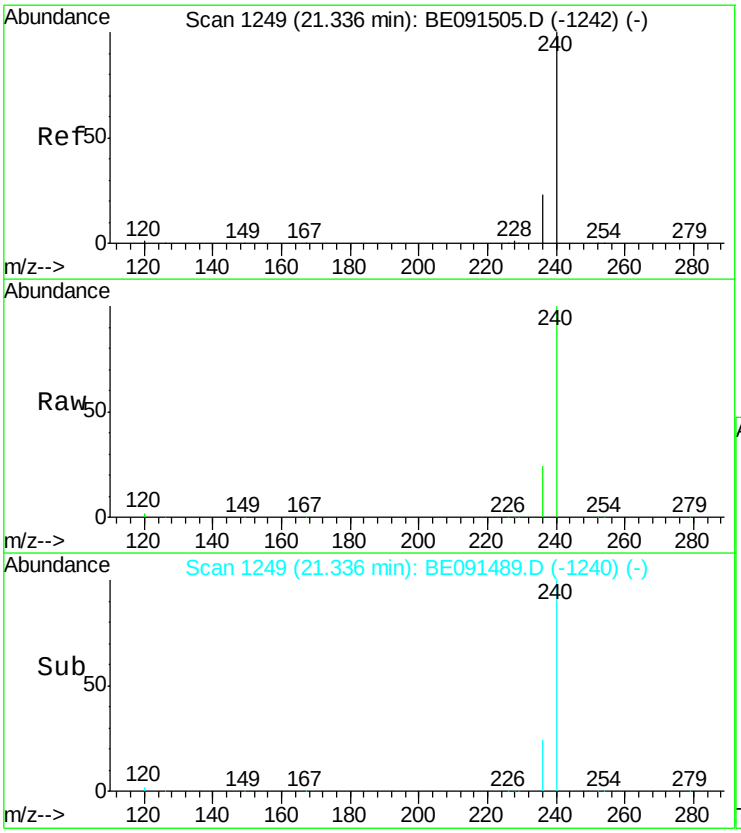
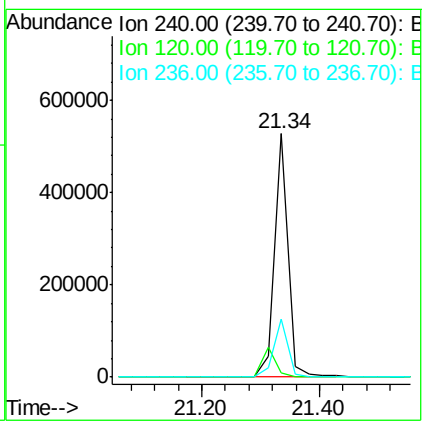


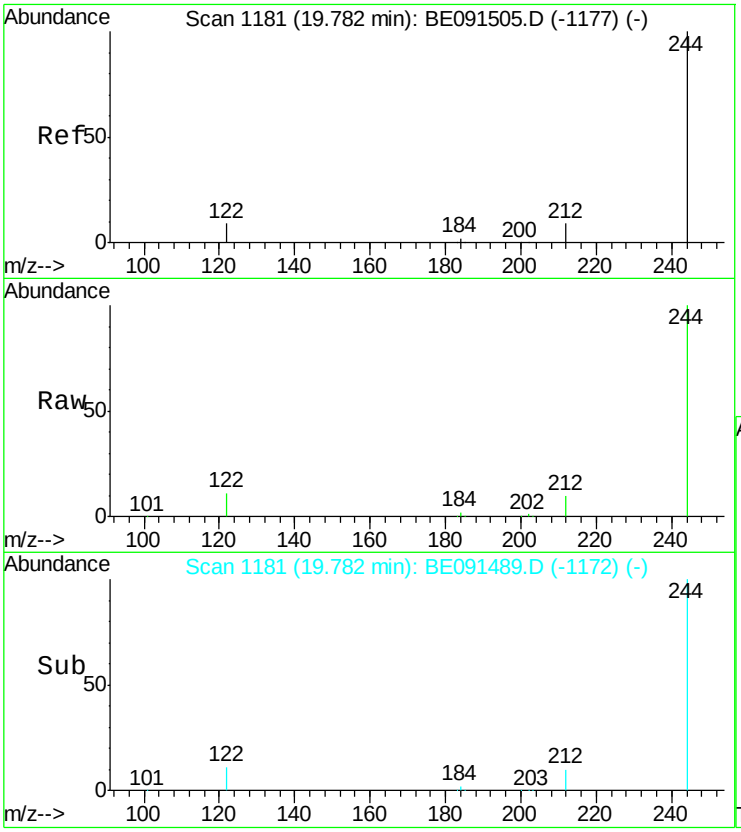


#22
Chrysene-d12
Concen: 10.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091489.D
Acq: 18 Mar 2016 19:03

Tgt Ion:240 Resp: 842324

Ion	Ratio	Lower	Upper
240	100		
120	1.6	4.0	6.0#
236	23.9	23.0	34.4





#24
Terphenyl-d14
Concen: 3.62 ng
RT: 19.78 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BE091489.D
Acq: 18 Mar 2016 19:03

Tgt Ion:244 Resp: 183462

Ion	Ratio	Lower	Upper
244	100		
212	9.6	5.8	8.8#
122	11.0	1.8	2.8#

Instrument :
BNA_E
ClientSampleId :
PB88982BL

Manual Integrations APPROVED
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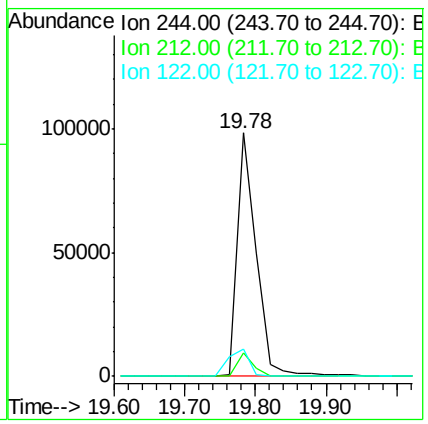

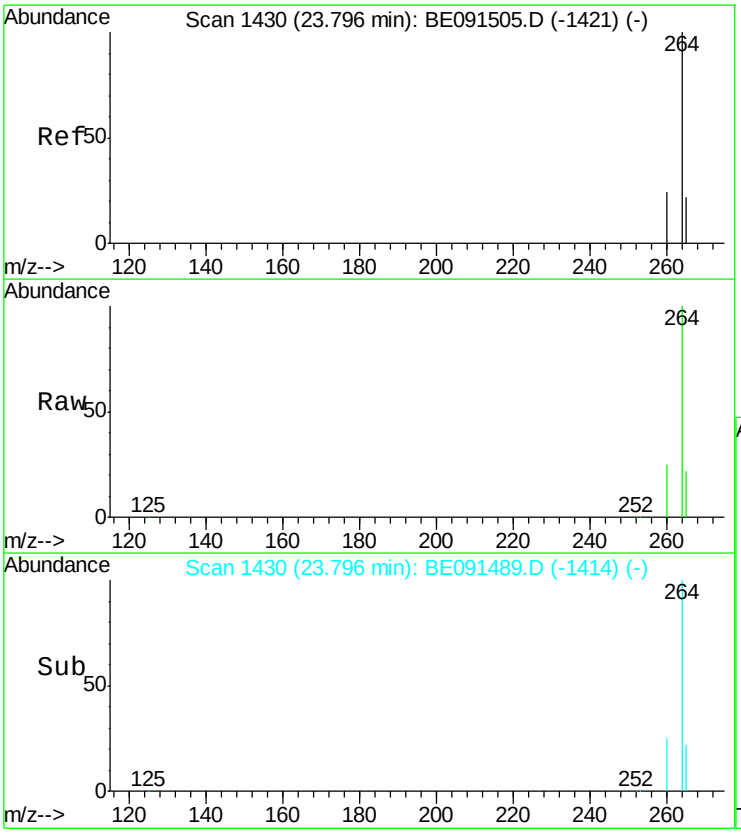

#28
Perylene-d12
Concen: 10.00 ng
RT: 23.80 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE091489.D
Acq: 18 Mar 2016 19:03

Tgt Ion:264 Resp: 759918

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.1	30.1
265	22.3	18.3	27.5